2200 S. Main Street, Ste. A
Blacksburg, VA 24060

T 540.552.0444
TRCcompanies.com

Data Validation Summary

Third Quarter 2025 Groundwater Monitoring Event - Annual Monitoring under 40 CFR 264 Appendix IX For HWMU-16

Post Closure Care Permit Hazardous Waste Management Unit 5 & 16
Radford Army Ammunition Plant, Radford, Virginia
EPA ID# VA1210020730

TRC Engineers, Inc. (TRC) performed data validation of the analytical results for the Third Quarter 2025 semiannual groundwater monitoring event at Hazardous Waste Management Units (HWMUs) 5 and 16 located at the Radford Army Ammunition Plant (RFAAP), in Radford, Virginia.

During Third Quarter 2025, on behalf of BAE Systems, Ordnance Systems Inc. (BAE), TRC completed groundwater monitoring for HWMUs 5 and 16 in accordance with the Final Hazardous Waste Post-Closure Care Permit for HWMUs 5 and 16 (reissued August 16, 2014) and subsequent permit modifications. The Third Quarter 2025 event served as the semiannual Corrective Action (CA) groundwater monitoring event for HWMU-5 and the semiannual compliance monitoring event for HWMU-16. The Third Quarter 2025 groundwater monitoring event also served as the annual monitoring event under 40 CFR 264 Appendix IX for HWMU-16.

The Third Quarter 2025 groundwater monitoring event was conducted using revised detection limits (DLs) and quantitation limits (QLs), where applicable, as specified in the Class 1 Permit Modification approved by the Virginia Department of Environmental Quality (VDEQ) in electronic correspondence dated May 5, 2021. As well as, total silver, was added to the HWMU-16 Compliance Monitoring List Third Quarter 2023 as directed by VDEQ in correspondence dated May 8, 2024. Additionally, HWMU-16 total cobalt data were evaluated using the revised alternate source demonstration (ASD) for total cobalt in groundwater at HWMU-16 approved by the VDEQ in electronic correspondence dated September 13, 2021.

The following information summarizes the findings of the Third Quarter 2024 semiannual event for HWMU-16 only. Information for HWMU-5 is provided under a separate document.

Sample Collection/Analytical Services

TRC Engineers, of Blacksburg, Virginia, collected groundwater samples July 29-30, 2025.

Samples were submitted for laboratory analysis to Eurofins Cleveland, (ETAC) of Barberton, Ohio; Eurofins Lancaster Laboratories Environmental Testing, LLC (ELLE) of Lancaster, Pennsylvania, Enthalpy Analytical, LLC (Enthalpy), of Richmond, Virginia, and to GEL Laboratories (GEL), of Charleston, South Carolina.

Receipt of Monitoring Event Data

On behalf of BAE SYSTEMS, Ordnance Systems, Inc., each laboratory submitted results to TRC in a final certificate of analysis which included analytical results as well as relevant documentation to verify and validate the results. The final certificate of analysis for this event was received on September 21, 2025. *Note: The above four laboratories were utilized to complete the Annual Appendix IX groundwater monitoring event.*

Verification and Resampling Events:

No verification or resampling events were required.

Summary of Monitoring Event Data by Analytical Method

Certificates of analysis were received from each laboratory in the following sample delivery groups (SDGs):

Summary of Required Analytical Methods and SDGs

Analytical Method	Hazardous Waste Management Unit 16		
	Laboratory	SDG (Date Received)	Additional Notes
Volatiles			
8260D	ELLE	410-234898-1 Rev 1 (9/19/2025)	Compliance wells - select volatiles
8260D	ELLE	410-234898-2 Rev 1 (8/21/2025)	Plume wells – select volatiles
8260D	ETAC	240-229857-1 Rev 1 (9/17/2025)	Compliance wells – acrolein and trans-1,4-dichlorobutene
Semivolatiles			
8270E	ELLE	410-234898-1 Rev 1 (9/19/2025)	Compliance wells – select semivolatiles
8270E	ELLE	410-234898-2 Rev 1 (8/21/2025)	Plume wells – select semivolatiles
8270E	ETAC	240-229857-1 Rev 1 (9/17/2025)	Compliance wells – select semivolatiles (acid analytes -16WC1A & 16WDUP)
8270E	Enthalpy	25H0034 (8/25/2025)	Compliance wells – pentachloronitrobenzene
8270E	GEL	735995 (8/12/2025)	Compliance wells – dimethyl phthalate, di-n-octyl phthalate, a,a-dimethylphenethylamine, hexachlorophene, (pentachlorophenol -16WC1A & 16WDUP)
Inorganics			
6020B/9012B/7470A	ELLE	410-234898-1 Rev 1 (9/19/2025)	Compliance wells – total metals, cyanide, total mercury
6020B/7470A	ELLE	410-234898-2 Rev 1 (8/21/2025)	Plume wells – total metals, total mercury

Each final certificate of analysis was complete in its presentation and the data were of acceptable quality. Chains of custody and permit required target analytes are provided in each SDG.

Data Analysis and Validation

Samples were analyzed by *SW-846 Method requirements (Test Methods for Evaluating Solid Wastes - Physical and Chemical Methods, USEPA SW-846, 3rd edition - Final Update I, II/IIA, III and subsequent updates).* Data were evaluated in general accordance with:

- *Test Methods for Evaluating Solid Wastes - Physical and Chemical Methods*, USEPA SW-846, 3rd edition - Final Update I, II/IIA, III and subsequent updates.
- *USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review*, November 2020, where applicable.
- *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review*, November 2020, where applicable.

Where QA/QC criteria differed, the analytical method acceptance criteria were used. Additionally, laboratory specific acceptance criteria and/or historical program acceptance criteria were used when no other acceptance criteria were available. Validation of this data set is limited to the items detailed in this report. TRC of Blacksburg, Virginia, performed a comprehensive data validation, including recalculation of 10% of the quality control data, except where noted. Data validation reports and a summary table of data validation results are provided as an attachment (App C).

Reporting of Results

All compliance groundwater monitoring network wells were sampled for the constituents listed in Appendix E to Permit Attachment 3 (Unit 16 Groundwater Compliance Monitoring (Semiannual) Constituent List). This event also served as the annual monitoring event in which the upgradient and point of compliance wells at HWMU-16 were sampled for the 40 CFR Part 264 Appendix IX constituents listed in Appendix I of Permit Attachment 1 of the Final Post-Closure Care Permit. Results reported between the detection limit and quantitation limit should be considered estimated concentrations. Plume well results were reported to at or above the permit specified quantitation limit for the constituents listed in the semiannual compliance monitoring lists (Attachment 3 Appendix E). Compliance well results were reported to the permit detection limit (Attachment 2, Appendix I).

QLs were at or below the applicable groundwater protection standard (GPS). The laboratory QLs and DLs met the permit specified method detection limit (MDL) and QL.

Additionally, a footnote presented in Appendix G of Permit Attachment 3 (Groundwater Protection Standards: Unit 16) indicates that verification is required for constituents detected at concentrations less than the QL if their associated GPS are equal to the QL and are greater than the applicable risk-based concentrations (i.e., ACL or RSL). In these instances, verification must be conducted using an alternate low-level analytical method in order to confirm or refute the observed initial detections if the QL achievable by that method is less than, or equal to, the ACL or RSL for the subject constituent. If a concentration greater than the low-level analytical method QL is observed, then the GPS for that constituent will be updated, if warranted. During Third Quarter 2025, no constituents with GPS equal to their respective QLs and greater than the applicable risk-based concentrations were detected at concentrations less than their respective QLs; therefore, no further action was warranted. This applied to 2,4-dinitrotoluene and 2,6-dinitrotoluene.

This Report has been prepared by:

_____ _____ 9-22-2025____
Kathy Olsen, Project Environmental Scientist III Date:
2200 South Main Street, Suite A, Blacksburg, Virginia 24060
540-552-0444
koslen@trccompanies.com

This Report has been subjected to technical and quality review by:

_____JCF_____ _____1.26.26_____
Janet C. Frazier, Program Manager II Date:
2200 South Main Street, Suite A, Blacksburg, Virginia 24060
540-552-0444
jfrazier@trccompanies.com

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **6020B**							
Laboratory: ***ELLE, Lancaster, PA***							
Antimony	16C1	0.6	U	U		2	Analyte not detected at or above the QL or DL.
	16MW8	0.6	U	U		2	Analyte not detected at or above the QL or DL.
	16MW9	0.6	U	U		2	Analyte not detected at or above the QL or DL.
	16WC1A	0.6	U	U		2	Analyte not detected at or above the QL or DL.
	16WC1B	0.6	U	U		2	Analyte not detected at or above the QL or DL.
	16WDUP	0.6	U	U		2	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Arsenic	16C1	2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	2.46	J	2.46	J	10	Result < QL.
	16WC1A	4.8	J	4.8	J	10	Result < QL.
	16WC1B	2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC2B	10	U	U		10	Analyte not detected at or above the QL.
	16-2	10	U	U		10	Analyte not detected at or above the QL.
	16-3	10	U	U		10	Analyte not detected at or above the QL.
	16-5	10	U	U		10	Analyte not detected at or above the QL.
	16SPRING	10	U	U		10	Analyte not detected at or above the QL.
	16WDUP	4.94	J	4.94	J	10	Result < QL. Blind field duplicate of 16WC1A.
Barium	16C1	189		189		10	No action taken.
	16MW8	126		126		10	No action taken.
	16MW9	587		587		10	No action taken.
	16WC1A	366		366		10	No action taken.
	16WC1B	99.1		99.1		10	No action taken.
	16WC2B	110		110		10	No action taken.
	16-2	240		240		10	No action taken.
	16-3	730		730		10	No action taken.
	16-5	170		170		10	No action taken.
	16SPRING	220		220		10	No action taken.
	16WDUP	383		383		10	No action taken. Blind field duplicate of 16WC1A. RPD 4.5.
Beryllium	16C1	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **6020B**							
Laboratory: ***ELLE, Lancaster, PA***							
Beryllium	16WC1B	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC2B	1	U	U		1	Analyte not detected at or above the QL.
	16-2	1	U	U		1	Analyte not detected at or above the QL.
	16-3	1	U	U		1	Analyte not detected at or above the QL.
	16-5	1	U	U		1	Analyte not detected at or above the QL.
	16SPRING	1	U	U		1	Analyte not detected at or above the QL.
	16WDUP	0.3	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Cadmium	16C1	0.2	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.378	J	0.378	J	1	Result < QL.
	16MW9	0.2	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.2	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.2	U	U		1	Analyte not detected at or above the QL or DL.
	16WC2B	1	U	U		1	Analyte not detected at or above the QL.
	16-2	1	U	U		1	Analyte not detected at or above the QL.
	16-3	1	U	U		1	Analyte not detected at or above the QL.
	16-5	1	U	U		1	Analyte not detected at or above the QL.
	16SPRING	1	U	U		1	Analyte not detected at or above the QL.
	16WDUP	0.2	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Chromium	16C1	1	U	U		5	Analyte not detected at or above the QL or DL.
	16MW8	1	U	U		5	Analyte not detected at or above the QL or DL.
	16MW9	1	U	U		5	Analyte not detected at or above the QL or DL.
	16WC1A	1	U	U		5	Analyte not detected at or above the QL or DL.
	16WC1B	1.36	J	1.36	J	5	Result < QL.
	16WC2B	5	U	U		5	Analyte not detected at or above the QL.
	16-2	5	U	U		5	Analyte not detected at or above the QL.
	16-3	5	U	U		5	Analyte not detected at or above the QL.
	16-5	5	U	U		5	Analyte not detected at or above the QL.
	16SPRING	5	U	U		5	Analyte not detected at or above the QL.
	16WDUP	1	U	U		5	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Cobalt	16C1	1	U	U		5	Analyte not detected at or above the QL or DL.
	16MW8	1	U	U		5	Analyte not detected at or above the QL or DL.
	16MW9	4.55	J	4.55	J	5	Result < QL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **6020B**							
Laboratory: ***ELLE, Lancaster, PA***							
Cobalt	16WC1A	11		11		5	No action taken.
	16WC1B	1	U	U		5	Analyte not detected at or above the QL or DL.
	16WC2B	5	U	U		5	Analyte not detected at or above the QL.
	16-2	5	U	U		5	Analyte not detected at or above the QL.
	16-3	5	U	U		5	Analyte not detected at or above the QL.
	16-5	5	U	U		5	Analyte not detected at or above the QL.
	16SPRING	5	U	U		5	Analyte not detected at or above the QL.
	16WDUP	11.7		11.7		5	No action taken. Blind field duplicate of 16WC1A. RPD 6.2.
Copper	16C1	1.7	U	U		5	Analyte not detected at or above the QL or DL.
	16MW8	15.9		15.9		5	No action taken.
	16MW9	1.7	U	U		5	Analyte not detected at or above the QL or DL.
	16WC1A	1.7	U	U		5	Analyte not detected at or above the QL or DL.
	16WC1B	1.7	U	U		5	Analyte not detected at or above the QL or DL.
	16WC2B	5	U	U		5	Analyte not detected at or above the QL.
	16-2	5	U	U		5	Analyte not detected at or above the QL.
	16-3	5	U	U		5	Analyte not detected at or above the QL.
	16-5	5	U	U		5	Analyte not detected at or above the QL.
	16SPRING	5	U	U		5	Analyte not detected at or above the QL.
	16WDUP	1.7	U	U		5	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Lead	16C1	1	U	U		3	Analyte not detected at or above the QL or DL.
	16MW8	1	U	U		3	Analyte not detected at or above the QL or DL.
	16MW9	1	U	U		3	Analyte not detected at or above the QL or DL.
	16WC1A	1	U	U		3	Analyte not detected at or above the QL or DL.
	16WC1B	1	U	U		3	Analyte not detected at or above the QL or DL.
	16WC2B	3	U	U		3	Analyte not detected at or above the QL.
	16-2	3	U	U		3	Analyte not detected at or above the QL.
	16-3	3	U	U		3	Analyte not detected at or above the QL.
	16-5	3	U	U		3	Analyte not detected at or above the QL.
	16SPRING	3	U	U		3	Analyte not detected at or above the QL.
	16WDUP	1	U	U		3	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Nickel	16C1	3.64	J	3.64	J	10	Result < QL.
	16MW8	2.85	J	2.85	J	10	Result < QL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **6020B**							
Laboratory: ***ELLE, Lancaster, PA***							
Nickel	16MW9	11.5		11.5		10	No action taken.
	16WC1A	10		10		10	No action taken.
	16WC1B	2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC2B	10	U	U		10	Analyte not detected at or above the QL.
	16-2	10	U	U		10	Analyte not detected at or above the QL.
	16-3	10	U	U		10	Analyte not detected at or above the QL.
	16-5	10	U	U		10	Analyte not detected at or above the QL.
	16SPRING	10	U	U		10	Analyte not detected at or above the QL.
	16WDUP	10.4		10.4		10	No action taken. Blind field duplicate of 16WC1A. RPD 3.9.
Selenium	16C1	3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	3	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	3	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	3	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	3	U	U		10	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Silver	16C1	0.3	U	U		2	Analyte not detected at or above the QL or DL.
	16MW8	0.3	U	U		2	Analyte not detected at or above the QL or DL.
	16MW9	0.3	U	U		2	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		2	Analyte not detected at or above the QL or DL.
	16WC1B	0.3	U	U		2	Analyte not detected at or above the QL or DL.
	16WC2B	2	U	U		2	Analyte not detected at or above the QL.
	16-2	2	U	U		2	Analyte not detected at or above the QL.
	16-3	2	U	U		2	Analyte not detected at or above the QL.
	16-5	2	U	U		2	Analyte not detected at or above the QL.
	16SPRING	2	U	U		2	Analyte not detected at or above the QL.
	16WDUP	0.3	U	U		2	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Thallium	16C1	0.2	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.2	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.2	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.2	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.2	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.2	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **6020B**							
Laboratory: ***ELLE, Lancaster, PA***							
Vanadium	16C1	2.5	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	2.5	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	2.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	2.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	2.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC2B	10	U	U		10	Analyte not detected at or above the QL.
	16-2	10	U	U		10	Analyte not detected at or above the QL.
	16-3	10	U	U		10	Analyte not detected at or above the QL.
	16-5	10	U	U		10	Analyte not detected at or above the QL.
	16SPRING	10	U	U		10	Analyte not detected at or above the QL.
	16WDUP	2.5	U	U		10	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Zinc	16C1	7.3	U	U		30	Analyte not detected at or above the QL or DL.
	16MW8	32.1		32.1		30	No action taken.
	16MW9	7.3	U	U		30	Analyte not detected at or above the QL or DL.
	16WC1A	7.3	U	U		30	Analyte not detected at or above the QL or DL.
	16WC1B	7.3	U	U		30	Analyte not detected at or above the QL or DL.
	16WC2B	30	U	U		30	Analyte not detected at or above the QL.
	16-2	30	U	U		30	Analyte not detected at or above the QL.
	16-3	30	U	U		30	Analyte not detected at or above the QL.
	16-5	30	U	U		30	Analyte not detected at or above the QL.
	16SPRING	30	U	U		30	Analyte not detected at or above the QL.
	16WDUP	7.3	U	U		30	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Method: **7470A**							
Laboratory: ***ELLE, Lancaster, PA***							
Mercury	16C1	0.2	U	U		2	Analyte not detected at or above the QL or DL.
	16MW8	0.2	U	U		2	Analyte not detected at or above the QL or DL.
	16MW9	0.2	U	U		2	Analyte not detected at or above the QL or DL.
	16WC1A	0.2	U	U		2	Analyte not detected at or above the QL or DL.
	16WC1B	1.32	J	1.32	J	2	Result < QL.
	16WC2B	2	U	U		2	Analyte not detected at or above the QL.
	16-2	2	U	U		2	Analyte not detected at or above the QL.
	16-3	2	U	U		2	Analyte not detected at or above the QL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **7470A**							
Laboratory: ***ELLE, Lancaster, PA***							
Mercury	16-5	2	U	U		2	Analyte not detected at or above the QL.
	16SPRING	2	U	U		2	Analyte not detected at or above the QL.
	16WDUP	0.2	U	U		2	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Method: **8260D**							
Laboratory: ***ELLE, Lancaster, PA***							
Acetone	16C1	2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	2	U	U		20	Analyte not detected at or above the QL or DL. Result reported by 5 ml purge analysis. Original 25 ml purge result 2.53 J ug/l with blank contamination in the trip blanks (3.65-7.5 J ug/l). Blind field duplicate of 16WC1A.
Acetonitrile	16C1	31.6	U	U		100	Analyte not detected at or above the QL or DL.
	16MW8	31.6	U	U		100	Analyte not detected at or above the QL or DL.
	16MW9	31.6	U	U		100	Analyte not detected at or above the QL or DL.
	16WC1A	31.6	U	U		100	Analyte not detected at or above the QL or DL.
	16WC1B	31.6	U	U		100	Analyte not detected at or above the QL or DL.
	16WDUP	31.6	U	U		100	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Acrylonitrile	16C1	1.1	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	1.1	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	1.1	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	1.1	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	1.1	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	1.1	U	U		10	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Allyl chloride	16C1	1	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	1	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	1	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	1	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	1	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	1	U	U		10	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Benzene	16C1	0.329	J	0.329	J	1	Result < QL.
	16MW8	0.3	U	U		1	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8260D**							
Laboratory: ***ELLE, Lancaster, PA***							
Benzene	16MW9	0.34	J	0.34	J	1	Result < QL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC2B	1	U	U		1	Analyte not detected at or above the QL.
	16-2	1	U	U		1	Analyte not detected at or above the QL.
	16-3	1	U	U		1	Analyte not detected at or above the QL.
	16-5	1	U	U		1	Analyte not detected at or above the QL.
	16SPRING	1	U	U		1	Analyte not detected at or above the QL.
	16WDUP	0.3	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Bromodichloromethane	16C1	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.3	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Bromoform	16C1	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.4	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
2-Butanone	16C1	1.7	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	1.7	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	1.7	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	1.7	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	1.7	U	U		10	Analyte not detected at or above the QL or DL.
	16WC2B	10	U	U		10	Analyte not detected at or above the QL.
	16-2	10	U	U		10	Analyte not detected at or above the QL.
	16-3	10	U	U		10	Analyte not detected at or above the QL.
	16-5	10	U	U		10	Analyte not detected at or above the QL.
	16SPRING	10	U	U		10	Analyte not detected at or above the QL.
	16WDUP	1.7	U	U		10	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8260D**							
Laboratory: ***ELLE, Lancaster, PA***							
Carbon disulfide	16C1	0.4	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.4	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.4	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.4	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.4	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.4	U	U		10	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Carbon tetrachloride	16C1	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC2B	1	U	U		1	Analyte not detected at or above the QL.
	16-2	1	U	U		1	Analyte not detected at or above the QL.
	16-3	1	U	U		1	Analyte not detected at or above the QL.
	16-5	1	U	U		1	Analyte not detected at or above the QL.
	16SPRING	1	U	U		1	Analyte not detected at or above the QL.
	16WDUP	0.3	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Chloroethane	16C1	2.74		2.74		1	No action taken.
	16MW8	0.1	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	1.85		1.85		1	No action taken.
	16WC1A	1.53		1.53		1	No action taken.
	16WC1B	0.1	U	U		1	Analyte not detected at or above the QL or DL.
	16WC2B	1	U	U		1	Analyte not detected at or above the QL.
	16-2	1	U	U		1	Analyte not detected at or above the QL.
	16-3	1	U	U		1	Analyte not detected at or above the QL.
	16-5	1	U	U		1	Analyte not detected at or above the QL.
	16SPRING	1	U	U		1	Analyte not detected at or above the QL.
	16WDUP	1.51		1.51		1	No action taken. Blind field duplicate of 16WC1A. RPD 1.32
Chloroform	16C1	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8260D**							
Laboratory: ***ELLE, Lancaster, PA***							
Chloroform	16WC1B	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.3	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Chloroprene	16C1	0.46	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.46	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.46	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.46	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.46	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.46	U	U		10	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Dibromochloromethane	16C1	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.4	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
1,2-Dibromo-3-chloropropane	16C1	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.4	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
1,2-Dibromoethane	16C1	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.3	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
1,2-Dichlorobenzene	16C1	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.4	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8260D**							
Laboratory: ***ELLE, Lancaster, PA***							
1,3-Dichlorobenzene	16C1	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.4	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
1,4-Dichlorobenzene	16C1	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.4	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Dichlorodifluoromethane	16C1	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC2B	1	U	U		1	Analyte not detected at or above the QL.
	16-2	1	U	U		1	Analyte not detected at or above the QL.
	16-3	1	U	U		1	Analyte not detected at or above the QL.
	16-5	1	U	U		1	Analyte not detected at or above the QL.
	16SPRING	1	U	U		1	Analyte not detected at or above the QL.
	16WDUP	0.4	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
1,1-Dichloroethane	16C1	5.16		5.16		1	No action taken.
	16MW8	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	4.91		4.91		1	No action taken.
	16WC1A	2.44		2.44		1	No action taken.
	16WC1B	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC2B	1	U	U		1	Analyte not detected at or above the QL.
	16-2	1	U	U		1	Analyte not detected at or above the QL.
	16-3	1	U	U		1	Analyte not detected at or above the QL.
	16-5	1	U	U		1	Analyte not detected at or above the QL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8260D**							
Laboratory: ***ELLE, Lancaster, PA***							
1,1-Dichloroethane	16SPRING	1	U	U		1	Analyte not detected at or above the QL.
	16WDUP	2.38		2.38		1	No action taken. Blind field duplicate of 16WC1A. RPD 2.49
1,2-Dichloroethane	16C1	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.3	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
1,1-Dichloroethene	16C1	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC2B	1	U	U		1	Analyte not detected at or above the QL.
	16-2	1	U	U		1	Analyte not detected at or above the QL.
	16-3	1	U	U		1	Analyte not detected at or above the QL.
	16-5	1	U	U		1	Analyte not detected at or above the QL.
	16SPRING	1	U	U		1	Analyte not detected at or above the QL.
	16WDUP	0.3	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
trans-1,2-Dichloroethene	16C1	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.3	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
1,2-Dichloropropane	16C1	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.4	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
1,3-Dichloropropane	16C1	0.4	U	U		1	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8260D**							
Laboratory: ***ELLE, Lancaster, PA***							
1,3-Dichloropropane	16MW8	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.4	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
trans-1,3-Dichloropropene	16C1	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.4	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Diethyl ether	16C1	31.2	J	31.2	J	10	Result < adjusted QL. Sample diluted 1:10. Adusted QL 100 ug/l. Actual DL 11.1 ug/l. Undiluted sample 32.7 ug/l.
	16MW8	6.41	J	6.41	J	10	Result < QL.
	16MW9	60.4	J	60.4	J	10	Result < adjusted QL. Sample diluted 1:10. Adusted QL 100 ug/l. Actual DL 11.1 ug/l. Undiluted 67.8 ug/l.
	16WC1A	21.8		21.8		10	No action taken.
	16WC1B	1.11	U	U		10	Analyte not detected at or above the QL or DL.
	16WC2B	10	U	U		10	Analyte not detected at or above the QL.
	16-2	10	U	U		10	Analyte not detected at or above the QL.
	16-3	10	U	U		10	Analyte not detected at or above the QL.
	16-5	10	U	U		10	Analyte not detected at or above the QL.
	16SPRING	10	U	U		10	Analyte not detected at or above the QL.
	16WDUP	19.4		19.4		10	No action taken. Blind field duplicate of 16WC1A. RPD 11.6
Dimethyl ether	16C1	6.43		6.43	J	10	Result < permit QL (10 ug/L). Result reported by lab above actual lab QL of 0.5 ug/l.
	16MW8	0.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	1.16		1.16	J	10	Result < permit QL (10 ug/L). Result reported by lab above actual lab QL of 0.5 ug/l.
	16WC1A	0.765	J	0.765	J	10	Result < permit QL (10 ug/L). Result reported by lab above actual lab QL of 0.5 ug/l.
	16WC1B	0.3	U	U		10	Analyte not detected at or above the QL or DL.
	16WC2B	10	U	U		10	Analyte not detected at or above the QL.
	16-2	10	U	U		10	Analyte not detected at or above the QL.
	16-3	10	U	U		10	Analyte not detected at or above the QL.
	16-5	10	U	U		10	Analyte not detected at or above the QL.
	16SPRING	10	U	U		10	Analyte not detected at or above the QL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8260D**							
Laboratory: ***ELLE, Lancaster, PA***							
Dimethyl ether	16WDUP	0.764	J	0.764	J	10	Result < permit QL (10 ug/l). Result reported by lab above actual lab QL of 0.5 ug/l. Blind field duplicate of 16WC1A. RPD 0.13
1,4-Dioxane	16C1	45.5	U	U		200	Analyte not detected at or above the QL or DL.
	16MW8	45.5	U	U		200	Analyte not detected at or above the QL or DL.
	16MW9	45.5	U	U		200	Analyte not detected at or above the QL or DL.
	16WC1A	45.5	U	U		200	Analyte not detected at or above the QL or DL.
	16WC1B	45.5	U	U		200	Analyte not detected at or above the QL or DL.
	16WDUP	45.5	U	U		200	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Ethylbenzene	16C1	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC2B	1	U	U		1	Analyte not detected at or above the QL.
	16-2	1	U	U		1	Analyte not detected at or above the QL.
	16-3	1	U	U		1	Analyte not detected at or above the QL.
	16-5	1	U	U		1	Analyte not detected at or above the QL.
	16SPRING	1	U	U		1	Analyte not detected at or above the QL.
	16WDUP	0.3	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Ethyl methacrylate	16C1	0.81	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.81	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.81	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.81	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.81	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.81	U	U		10	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Hexachlorobutadiene	16C1	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.4	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
2-Hexanone	16C1	2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	2	U	U		10	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8260D**							
Laboratory: ***ELLE, Lancaster, PA***							
2-Hexanone	16MW9	2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	2	U	U		10	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Isobutyl alcohol	16C1	11.6	U	U		200	Analyte not detected at or above the QL or DL.
	16MW8	11.6	U	U		200	Analyte not detected at or above the QL or DL.
	16MW9	11.6	U	U		200	Analyte not detected at or above the QL or DL.
	16WC1A	11.6	U	U		200	Analyte not detected at or above the QL or DL.
	16WC1B	11.6	U	U		200	Analyte not detected at or above the QL or DL.
	16WDUP	11.6	U	U		200	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Methacrylonitrile	16C1	9.75	U	U		100	Analyte not detected at or above the QL or DL.
	16MW8	9.75	U	U		100	Analyte not detected at or above the QL or DL.
	16MW9	9.75	U	U		100	Analyte not detected at or above the QL or DL.
	16WC1A	9.75	U	U		100	Analyte not detected at or above the QL or DL.
	16WC1B	9.75	U	U		100	Analyte not detected at or above the QL or DL.
	16WDUP	9.75	U	U		100	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Bromomethane	16C1	0.542	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.542	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.542	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.542	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.542	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.542	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Chloromethane	16C1	0.189	J	0.189	J	1	Result < QL.
	16MW8	0.1	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.1	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.1	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.1	U	U		1	Analyte not detected at or above the QL or DL.
	16WC2B	1	U	U		1	Analyte not detected at or above the QL.
	16-2	1	U	U		1	Analyte not detected at or above the QL.
	16-3	1	U	U		1	Analyte not detected at or above the QL.
	16-5	1	U	U		1	Analyte not detected at or above the QL.
	16SPRING	1	U	U		1	Analyte not detected at or above the QL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8260D**							
Laboratory: ***ELLE, Lancaster, PA***							
Chloromethane	16WDUP	0.143	J	0.143	J	1	Result < QL. Blind field duplicate of 16WC1A (ND).
Iodomethane	16C1	0.58	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.58	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.58	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.58	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.58	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.58	U	U		10	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Methyl methacrylate	16C1	3.58	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	3.58	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	3.58	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	3.58	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	3.58	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	3.58	U	U		10	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
4-Methyl-2-pentanone	16C1	2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	2	U	U		10	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Dibromomethane	16C1	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.3	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Methylene chloride	16C1	0.7	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.7	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.7	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.7	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.7	U	U		1	Analyte not detected at or above the QL or DL.
	16WC2B	1	U	U		1	Analyte not detected at or above the QL.
	16-2	1	U	U		1	Analyte not detected at or above the QL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8260D**							
Laboratory: ***ELLE, Lancaster, PA***							
Methylene chloride	16-3	1	U	U		1	Analyte not detected at or above the QL.
	16-5	1	U	U		1	Analyte not detected at or above the QL.
	16SPRING	1	U	U		1	Analyte not detected at or above the QL.
	16WDUP	0.7	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Naphthalene	16C1	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.4	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Pentachloroethane	16C1	1.7	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	1.7	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	1.7	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	1.7	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	1.7	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	1.7	U	U		10	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
2-Propanol	16C1	50	U	U		100	Analyte not detected at or above the QL or DL.
	16MW8	50	U	U		100	Analyte not detected at or above the QL or DL.
	16MW9	50	U	U		100	Analyte not detected at or above the QL or DL.
	16WC1A	50	U	U		100	Analyte not detected at or above the QL or DL.
	16WC1B	50	U	U		100	Analyte not detected at or above the QL or DL.
	16WDUP	50	U	U		100	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Propionitrile	16C1	10.2	U	U		100	Analyte not detected at or above the QL or DL.
	16MW8	10.2	U	U		100	Analyte not detected at or above the QL or DL.
	16MW9	10.2	U	U		100	Analyte not detected at or above the QL or DL.
	16WC1A	10.2	U	U		100	Analyte not detected at or above the QL or DL.
	16WC1B	10.2	U	U		100	Analyte not detected at or above the QL or DL.
	16WDUP	10.2	U	U		100	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Styrene	16C1	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8260D**							
Laboratory: ***ELLE, Lancaster, PA***							
Styrene	16WC1B	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.3	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
1,1,1,2-Tetrachloroethane	16C1	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.3	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
1,1,2,2-Tetrachloroethane	16C1	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.3	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Tetrachloroethene	16C1	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC2B	1	U	U		1	Analyte not detected at or above the QL.
	16-2	1	U	U		1	Analyte not detected at or above the QL.
	16-3	1	U	U		1	Analyte not detected at or above the QL.
	16-5	1	U	U		1	Analyte not detected at or above the QL.
	16SPRING	1	U	U		1	Analyte not detected at or above the QL.
	16WDUP	0.3	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Tetrahydrofuran	16C1	27.4		27.4		25	No action taken.
	16MW8	2	U	U		25	Analyte not detected at or above the QL or DL.
	16MW9	2	U	U		25	Analyte not detected at or above the QL or DL.
	16WC1A	2	U	U		25	Analyte not detected at or above the QL or DL.
	16WC1B	2	U	U		25	Analyte not detected at or above the QL or DL.
	16WC2B	25	U	U		25	Analyte not detected at or above the QL.
	16-2	25	U	U		25	Analyte not detected at or above the QL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8260D**							
Laboratory: ***ELLE, Lancaster, PA***							
Tetrahydrofuran	16-3	25	U	U		25	Analyte not detected at or above the QL.
	16-5	25	U	U		25	Analyte not detected at or above the QL.
	16SPRING	25	U	U		25	Analyte not detected at or above the QL.
	16WDUP	2	U	U		25	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Toluene	16C1	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC2B	1	U	U		1	Analyte not detected at or above the QL.
	16-2	1	U	U		1	Analyte not detected at or above the QL.
	16-3	1	U	U		1	Analyte not detected at or above the QL.
	16-5	1	U	U		1	Analyte not detected at or above the QL.
	16SPRING	1	U	U		1	Analyte not detected at or above the QL.
	16WDUP	0.3	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
1,2,4-Trichlorobenzene	16C1	0.6	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.6	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.6	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.6	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.6	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.6	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
1,1,1-Trichloroethane	16C1	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC2B	1	U	U		1	Analyte not detected at or above the QL.
	16-2	1	U	U		1	Analyte not detected at or above the QL.
	16-3	1	U	U		1	Analyte not detected at or above the QL.
	16-5	1	U	U		1	Analyte not detected at or above the QL.
	16SPRING	1	U	U		1	Analyte not detected at or above the QL.
	16WDUP	0.3	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8260D**							
Laboratory: ***ELLE, Lancaster, PA***							
1,1,2-Trichloroethane	16C1	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.3	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Trichloroethene	16C1	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC2B	1	U	U		1	Analyte not detected at or above the QL.
	16-2	1	U	U		1	Analyte not detected at or above the QL.
	16-3	1	U	U		1	Analyte not detected at or above the QL.
	16-5	1	U	U		1	Analyte not detected at or above the QL.
	16SPRING	1	U	U		1	Analyte not detected at or above the QL.
	16WDUP	0.3	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Trichlorofluoromethane	16C1	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC2B	1	U	U		1	Analyte not detected at or above the QL.
	16-2	1	U	U		1	Analyte not detected at or above the QL.
	16-3	1	U	U		1	Analyte not detected at or above the QL.
	16-5	1	U	U		1	Analyte not detected at or above the QL.
	16SPRING	1	U	U		1	Analyte not detected at or above the QL.
	16WDUP	0.4	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
1,2,3-Trichloropropane	16C1	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8260D**							
Laboratory: ***ELLE, Lancaster, PA***							
1,2,3-Trichloropropane	16WC1B	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.3	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
1,1,2-Trichloro-1,2,2-Trifluoroethane	16C1	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC2B	1	U	U		1	Analyte not detected at or above the QL.
	16-2	1	U	U		1	Analyte not detected at or above the QL.
	16-3	1	U	U		1	Analyte not detected at or above the QL.
	16-5	1	U	U		1	Analyte not detected at or above the QL.
	16SPRING	1	U	U		1	Analyte not detected at or above the QL.
	16WDUP	0.4	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Vinyl acetate	16C1	3.29	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	3.29	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	3.29	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	3.29	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	3.29	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	3.29	U	U		10	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Vinyl chloride	16C1	0.2	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.2	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.2	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.2	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.2	U	U		1	Analyte not detected at or above the QL or DL.
	16WC2B	1	U	U		1	Analyte not detected at or above the QL.
	16-2	1	U	U		1	Analyte not detected at or above the QL.
	16-3	1	U	U		1	Analyte not detected at or above the QL.
	16-5	1	U	U		1	Analyte not detected at or above the QL.
	16SPRING	1	U	U		1	Analyte not detected at or above the QL.
	16WDUP	0.2	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Xylenes (Total)	16C1	0.4	U	U		3	Analyte not detected at or above the QL or DL.
	16MW8	0.4	U	U		3	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8260D**							
Laboratory: ***ELLE, Lancaster, PA***							
Xylenes (Total)	16MW9	0.4	U	U		3	Analyte not detected at or above the QL or DL.
	16WC1A	0.4	U	U		3	Analyte not detected at or above the QL or DL.
	16WC1B	0.4	U	U		3	Analyte not detected at or above the QL or DL.
	16WC2B	3	U	U		3	Analyte not detected at or above the QL.
	16-2	3	U	U		3	Analyte not detected at or above the QL.
	16-3	3	U	U		3	Analyte not detected at or above the QL.
	16-5	3	U	U		3	Analyte not detected at or above the QL.
	16SPRING	3	U	U		3	Analyte not detected at or above the QL.
	16WDUP	0.4	U	U		3	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
m,p-Xylene	16C1	0.4	U	U		2	Analyte not detected at or above the QL or DL.
	16MW8	0.4	U	U		2	Analyte not detected at or above the QL or DL.
	16MW9	0.4	U	U		2	Analyte not detected at or above the QL or DL.
	16WC1A	0.4	U	U		2	Analyte not detected at or above the QL or DL.
	16WC1B	0.4	U	U		2	Analyte not detected at or above the QL or DL.
	16WDUP	0.4	U	U		2	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
o-Xylene	16C1	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.4	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.4	U	U		1	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Method: **8260D**							
Laboratory: ***ETAC, Barberton, OH***							
Acrolein	16C1	10	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	10	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	10	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	10	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	10	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	10	U	U		10	Analyte not detected at or above the QL or DL.
trans-1,4-Dichloro-2-butene	16C1	10	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-26.0%).
	16MW8	10	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-26.0%).
	16MW9	10	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-26.0%).

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8260D**							
Laboratory: ***ETAC, Barberton, OH***							
trans-1,4-Dichloro-2-butene	16WC1A	10	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	10	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	10	U	U		10	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.
Method: **8270E**							
Laboratory: ***ELLE, Lancaster, PA***							
Acenaphthene	16C1	0.35	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.351	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.351	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.352	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.351	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.37	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
Acenaphthylene	16C1	0.481	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.482	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.481	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.483	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.482	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.507	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
Anthracene	16C1	0.521	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.522	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.521	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.523	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.522	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.549	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Sample QL and DL adjusted due to final sample volume. Blind field duplicate of 16WC1A.
Benzo[a]anthracene	16C1	0.451	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.452	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.451	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.453	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.452	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.475	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Sample QL and DL adjusted due to final sample volume. Blind field duplicate of 16WC1A.
Benzo[b]fluoranthene	16C1	1.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	1.2	U	U		10	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***ELLE, Lancaster, PA***							
Benzo[b]fluoranthene	16MW9	1.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	1.21	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	1.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	1.27	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Sample QL and DL adjusted due to final sample volume. Blind field duplicate of 16WC1A.
Benzo[k]fluoranthene	16C1	1.6	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	1.61	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	1.6	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	1.61	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	1.61	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	1.69	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Sample QL and DL adjusted due to final sample volume. Blind field duplicate of 16WC1A.
Benzo[ghi]perylene	16C1	0.421	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.422	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.421	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.423	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.422	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.443	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Sample QL and DL adjusted due to final sample volume. Blind field duplicate of 16WC1A.
Benzo(a)pyrene	16C1	1.5	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	1.51	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	1.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	1.51	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	1.51	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	1.58	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Sample QL and DL adjusted due to final sample volume. Blind field duplicate of 16WC1A.
bis(2-Chloro-1-methylethyl)ether	16C1	0.601	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-28.3%).
	16MW8	0.602	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-28.3%).
	16MW9	0.602	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-28.3%).
	16WC1A	0.604	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-28.3%).
	16WC1B	0.602	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-28.3%).
	16WDUP	0.633	U	U	J	10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Sample QL and DL adjusted due to final sample volume. CV %D > +/- 20 (-28.3%). Blind field duplicate of 16WC1A.
bis(2-Ethylhexyl)phthalate	16C1	2	U	U		10	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***ELLE, Lancaster, PA***							
bis(2-Ethylhexyl)phthalate	16MW8	2.01	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	2.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	2.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	2.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	2.11	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Sample QL and DL adjusted due to final sample volume. Blind field duplicate of 16WC1A.
4-Bromophenyl phenyl ether	16C1	0.561	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.562	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.562	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.563	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.562	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.591	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Sample QL and DL adjusted due to final sample volume. Blind field duplicate of 16WC1A.
p-Chloro-m-cresol	16C1	1	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	1	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	1	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	1	U	U		10	Analyte not detected at or above the QL or DL.
2-Chloronaphthalene	16C1	0.501	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.502	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.501	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.503	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.502	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.528	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Sample QL and DL adjusted due to final sample volume. Blind field duplicate of 16WC1A.
2-Chlorophenol	16C1	1	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	1	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	1	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	1	U	U		10	Analyte not detected at or above the QL or DL.
4-Chlorophenyl phenyl ether	16C1	0.601	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.602	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.602	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.604	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.602	U	U		10	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***ELLE, Lancaster, PA***							
4-Chlorophenyl phenyl ether	16WDUP	0.633	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Sample QL and DL adjusted due to final sample volume. Blind field duplicate of 16WC1A.
Chrysene	16C1	0.31	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.311	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.311	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.312	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.311	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.327	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Sample QL and DL adjusted due to final sample volume. Blind field duplicate of 16WC1A.
Diallate	16C1	3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	3.01	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	3.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	3.02	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	3.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	3.17	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Sample QL and DL adjusted due to final sample volume. Blind field duplicate of 16WC1A.
Dibenz(a,h)anthracene	16C1	0.38	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.382	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.381	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.382	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.381	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.401	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Sample QL and DL adjusted due to final sample volume. Blind field duplicate of 16WC1A.
Dibenzofuran	16C1	0.601	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.602	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.602	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.604	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.602	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.633	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Sample QL and DL adjusted due to final sample volume. Blind field duplicate of 16WC1A.
2,4-Dichlorophenol	16C1	1.59	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	1.6	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	1.59	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	1.6	U	U		10	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***ELLE, Lancaster, PA***							
2,6-Dichlorophenol	16C1	1.4	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	1.41	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	1.4	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	1.41	U	U		10	Analyte not detected at or above the QL or DL.
Diethyl phthalate	16C1	2	U	U		5	Analyte not detected at or above the QL or DL.
	16MW8	2.01	U	U		5	Analyte not detected at or above the QL or DL.
	16MW9	2.01	U	U		5	Analyte not detected at or above the QL or DL.
	16WC1A	2.01	U	U		5	Analyte not detected at or above the QL or DL.
	16WC1B	2.01	U	U		5	Analyte not detected at or above the QL or DL.
	16WC2B	5.1	U	U		5	Analyte not detected at or above the QL.
	16-2	5	U	U		5	Analyte not detected at or above the QL.
	16-3	5.1	U	U		5	Analyte not detected at or above the QL.
	16-5	5.1	U	U		5	Analyte not detected at or above the QL.
	16SPRING	5.1	U	U		5	Analyte not detected at or above the QL.
	16WDUP	2.11	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
O,O-Diethyl O-2-pyrazinyl	16C1	2.4	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	2.41	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	2.41	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	2.41	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	2.41	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	2.53	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
Dimethoate	16C1	3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	3.01	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	3.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	3.02	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	3.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	3.17	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
m-Dinitrobenzene	16C1	2.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	2.31	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	2.31	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	2.31	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	2.31	U	U		10	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***ELLE, Lancaster, PA***							
m-Dinitrobenzene	16WDUP	2.43	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
2,4-Dinitrotoluene	16C1	2.1	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	2.11	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	2.11	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	2.11	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	2.11	U	U		10	Analyte not detected at or above the QL or DL.
	16WC2B	10	U	U		10	Analyte not detected at or above the QL.
	16-2	10	U	U		10	Analyte not detected at or above the QL.
	16-3	10	U	U		10	Analyte not detected at or above the QL.
	16-5	10	U	U		10	Analyte not detected at or above the QL.
	16SPRING	10	U	U		10	Analyte not detected at or above the QL.
	16WDUP	2.22	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
2,6-Dinitrotoluene	16C1	2.1	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	2.11	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	2.11	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	2.11	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	2.11	U	U		10	Analyte not detected at or above the QL or DL.
	16WC2B	10	U	U		10	Analyte not detected at or above the QL.
	16-2	10	U	U		10	Analyte not detected at or above the QL.
	16-3	10	U	U		10	Analyte not detected at or above the QL.
	16-5	10	U	U		10	Analyte not detected at or above the QL.
	16SPRING	10	U	U		10	Analyte not detected at or above the QL.
	16WDUP	2.22	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
Diphenylamine	16C1	0.581	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.582	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.582	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.584	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.582	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.612	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
Ethyl methanesulfonate	16C1	1.1	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	1.1	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	1.1	U	U		10	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***ELLE, Lancaster, PA***							
Ethyl methanesulfonate	16WC1A	1.11	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	1.1	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	1.16	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
Fluoranthene	16C1	0.421	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.422	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.421	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.423	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.422	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.443	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
Fluorene	16C1	0.38	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.382	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.381	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.382	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.381	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.401	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
Hexachlorobenzene	16C1	0.871	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.873	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.872	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.875	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.873	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.918	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
Hexachloropropene	16C1	2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	2.01	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	2.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	2.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	2.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	2.11	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
Indeno[1,2,3-cd]pyrene	16C1	0.15	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.151	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.15	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.151	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.151	U	U		10	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***ELLE, Lancaster, PA***							
Indeno[1,2,3-cd]pyrene	16WDUP	0.158	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
Isodrin	16C1	1.1	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	1.1	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	1.1	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	1.11	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	1.1	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	1.16	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
Kepone	16C1	25	U	U		50	Analyte not detected at or above the QL or DL.
	16MW8	25.1	U	U		50	Analyte not detected at or above the QL or DL.
	16MW9	25.1	U	U		50	Analyte not detected at or above the QL or DL.
	16WC1A	25.2	U	U		50	Analyte not detected at or above the QL or DL.
	16WC1B	25.1	U	U		50	Analyte not detected at or above the QL or DL.
	16WDUP	26.4	U	U		52.8	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
2-Methylnaphthalene	16C1	0.29	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.291	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.291	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.292	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.291	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.306	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Sample QL and DL adjusted due to final sample volume. Blind field duplicate of 16WC1A.
2-Methylphenol	16C1	0.961	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.964	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.963	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.963	U	U		10	Analyte not detected at or above the QL or DL.
3 & 4-Methylphenol	16C1	2.47	U	U		20	Analyte not detected at or above the QL or DL.
	16MW8	2.48	U	U		20	Analyte not detected at or above the QL or DL.
	16MW9	2.48	U	U		20	Analyte not detected at or above the QL or DL.
	16WC1B	2.48	U	U		20	Analyte not detected at or above the QL or DL.
o-Nitroaniline	16C1	1	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	1	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	1	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	1.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	1	U	U		10	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***ELLE, Lancaster, PA***							
o-Nitroaniline	16WDUP	1.06	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
Nitrobenzene	16C1	0.601	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.602	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.602	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.604	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.602	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.633	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
o-Nitrophenol	16C1	1.27	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	1.28	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	1.27	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	1.27	U	U		10	Analyte not detected at or above the QL or DL.
N-Nitrosodiethylamine	16C1	3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	3.01	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	3.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	3.02	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	3.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	3.17	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
N-Nitrosodimethylamine	16C1	2	U	U	J	10	Analyte not detected at or above the QL or DL.
	16MW8	2.01	U	U	J	10	Analyte not detected at or above the QL or DL.
	16MW9	2.01	U	U	J	10	Analyte not detected at or above the QL or DL.
	16WC1A	2.01	U	U	J	10	Analyte not detected at or above the QL or DL.
	16WC1B	2.01	U	U	J	10	Analyte not detected at or above the QL or DL.
	16WDUP	2.11	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Sample QL and DL adjusted due to final sample volume. Blind field duplicate of 16WC1A.
N-Nitrosodiphenylamine	16C1	0.581	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.582	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.582	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.584	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.582	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.612	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
N-Nitrosomorpholine	16C1	3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	3.01	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	3.01	U	U		10	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***ELLE, Lancaster, PA***							
N-Nitrosomorpholine	16WC1A	3.02	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	3.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	3.17	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
N-Nitrosopiperidine	16C1	1.1	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	1.1	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	1.1	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	1.11	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	1.1	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	1.16	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
5-Nitroso-o-toluidine	16C1	2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	2.01	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	2.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	2.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	2.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	2.11	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
Pentachlorobenzene	16C1	1.6	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	1.61	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	1.6	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	1.61	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	1.61	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	1.69	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
Pentachlorophenol	16C1	3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	3.01	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	3.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	3.01	U	U		10	Analyte not detected at or above the QL or DL.
Phenacetin	16C1	1.4	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	1.41	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	1.4	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	1.41	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	1.41	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	1.48	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
Phenanthrene	16C1	0.521	U	U		10	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***ELLE, Lancaster, PA***							
Phenanthrene	16MW8	0.522	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.521	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.523	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.522	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.549	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
Phenol	16C1	0.771	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.773	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.772	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.773	U	U		10	Analyte not detected at or above the QL or DL.
Phorate	16C1	2.5	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	2.51	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	2.51	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	2.52	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	2.51	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	2.64	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
Pyrene	16C1	0.41	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.412	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.411	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.412	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	0.411	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.433	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Sample QL and DL adjusted due to final sample volume. Blind field duplicate of 16WC1A.
Safrole	16C1	2.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	2.21	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	2.21	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	2.21	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	2.21	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	2.32	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
Sulfotep	16C1	2.4	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	2.41	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	2.41	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	2.41	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	2.41	U	U		10	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***ELLE, Lancaster, PA***							
Sulfotep	16WDUP	2.53	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
1,2,4,5-Tetrachlorobenzene	16C1	2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	2.01	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	2.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	2.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	2.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	2.11	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
2,3,4,6-Tetrachlorophenol	16C1	1.8	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	1.81	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	1.81	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	1.81	U	U		10	Analyte not detected at or above the QL or DL.
2,4,5-Trichlorophenol	16C1	2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	2.01	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	2.01	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	2.01	U	U		10	Analyte not detected at or above the QL or DL.
2,4,6-Trichlorophenol	16C1	1.8	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	1.81	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	1.81	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	1.81	U	U		10	Analyte not detected at or above the QL or DL.
O,O,O-Triethyl phosphorothioate	16C1	2.6	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	2.61	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	2.61	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	2.62	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	2.61	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	2.74	U	U		10.6	Analyte not detected at or above the adjusted QL or adjusted DL. Blind field duplicate of 16WC1A.
Method: **8270E**							
Laboratory: ***Enthalpy, Richmond, VA***							
Pentachloronitrobenzene	16C1	0.95	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	0.93	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	0.93	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	0.95	U	U		10	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***Enthalpy, Richmond, VA***							
Pentachloronitrobenzene	16WC1B	0.98	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	0.95	U	U		10	Analyte not detected at or above the QL or DL.
Method: **8270E**							
Laboratory: ***ETAC, Barberton, OH***							
Acetophenone	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
2-Acetylaminofluorene	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
4-Aminobiphenyl	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
Aniline	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
Aramite	16C1	3.4	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	3.4	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	3.4	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	3.5	U	U		10	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***ETAC, Barberton, OH***							
Aramite	16WC1B	3.4	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	3.4	U	U		10	Analyte not detected at or above the QL or DL.
1,4-Benzenediamine	16C1	24	U	U	J	140	Analyte not detected at or above the QL or DL. LCS did not recover.
	16MW8	25	U	U	J	140	Analyte not detected at or above the QL or DL. LCS did not recover.
	16MW9	24	U	U	J	140	Analyte not detected at or above the QL or DL. LCS did not recover.
	16WC1A	25	U	U	J	140	Analyte not detected at or above the QL or DL. LCS did not recover.
	16WC1B	24	U	U	J	140	Analyte not detected at or above the QL or DL. LCS did not recover.
	16WDUP	24	U	U	J	140	Analyte not detected at or above the QL or DL. LCS did not recover. Blind field duplicate of 16WC1A.
Benzyl alcohol	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
bis(2-Chloroethoxy)methane	16C1	0.92	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.93	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.92	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.95	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.92	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.91	U	U		1	Analyte not detected at or above the QL or DL.
bis(2-Chloroethyl)ether	16C1	0.92	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.93	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.92	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.95	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.92	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.91	U	U		1	Analyte not detected at or above the QL or DL.
Butyl benzyl phthalate	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***ETAC, Barberton, OH***							
p-Chloroaniline	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
Chlorobenzilate	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
p-Chloro-m-cresol	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
2-Chlorophenol	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
Di-n-butyl phthalate	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
3,3'-Dichlorobenzidine	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
2,4-Dichlorophenol	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
2,6-Dichlorophenol	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***ETAC, Barberton, OH***							
p-(Dimethylamino)azobenzene	16C1	9.2	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-30.2%).
	16MW8	9.3	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-30.2%).
	16MW9	9.2	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-30.2%).
	16WC1A	9.5	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-30.2%).
	16WC1B	9.2	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-30.2%).
	16WDUP	9.1	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-30.2%).
7,12-Dimethylbenz[a]anthracene	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
3,3'-Dimethylbenzidine	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
2,4-Dimethylphenol	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
4,6-Dinitro-o-cresol	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
2,4-Dinitrophenol	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***ETAC, Barberton, OH***							
2,4-Dinitrophenol	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
Disulfoton	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
Famphur	16C1	9.2	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-48.4%).
	16MW8	9.3	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-48.4%).
	16MW9	9.2	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-48.4%).
	16WC1A	9.5	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-48.4%).
	16WC1B	9.2	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-48.4%).
	16WDUP	9.1	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-48.4%).
Hexachlorocyclopentadiene	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
Hexachloroethane	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
Isophorone	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***ETAC, Barberton, OH***							
Isophorone	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
Isosafrole	16C1	4.6	U	U		5	Analyte not detected at or above the QL or DL.
	16MW8	4.7	U	U		5	Analyte not detected at or above the QL or DL.
	16MW9	4.6	U	U		5	Analyte not detected at or above the QL or DL.
	16WC1A	4.7	U	U		5	Analyte not detected at or above the QL or DL.
	16WC1B	4.6	U	U		5	Analyte not detected at or above the QL or DL.
	16WDUP	4.6	U	U		5	Analyte not detected at or above the QL or DL.
Methapyrilene	16C1	9.2	U	U	J	10	Analyte not detected at or above the QL or DL. LCS recovered low (5%).
	16MW8	9.3	U	U	J	10	Analyte not detected at or above the QL or DL. LCS recovered low (5%).
	16MW9	9.2	U	U	J	10	Analyte not detected at or above the QL or DL. LCS recovered low (5%).
	16WC1A	9.5	U	U	J	10	Analyte not detected at or above the QL or DL. LCS recovered low (5%).
	16WC1B	9.2	U	U	J	10	Analyte not detected at or above the QL or DL. LCS recovered low (5%).
	16WDUP	9.1	U	U	J	10	Analyte not detected at or above the QL or DL. LCS recovered low (5%).
3-Methylcholanthrene	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
Methyl methane sulfonate	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
Methyl parathion	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***ETAC, Barberton, OH***							
2-Methylphenol	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
3 & 4-Methylphenol	16WC1A	19	U	U		20	Analyte not detected at or above the QL or DL.
	16WDUP	18	U	U		20	Analyte not detected at or above the QL or DL.
1,4-Naphthoquinone	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
1-Naphthylamine	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
2-Naphthylamine	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
m-Nitroaniline	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
p-Nitroaniline	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***ETAC, Barberton, OH***							
p-Nitroaniline	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
o-Nitrophenol	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
p-Nitrophenol	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
4-Nitroquinoline-1-oxide	16C1	46	U	U	J	50	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-45.8%).
	16MW8	47	U	U	J	50	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-45.8%).
	16MW9	46	U	U	J	50	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-45.8%).
	16WC1A	47	U	U	J	50	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-45.8%).
	16WC1B	46	U	U	J	50	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-45.8%).
	16WDUP	46	U	U	J	50	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-45.8%).
N-Nitrosodi-n-butylamine	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
N-Nitrosodipropylamine	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
N-Nitrosomethylethylamine	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***ETAC, Barberton, OH***							
N-Nitrosomethylethylamine	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
N-Nitrosopyrrolidine	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
Parathion	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
Phenol	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
2-Picoline	16C1	9.2	U	U	J	10	Analyte not detected at or above the QL or DL. LCS recovered low (26%).
	16MW8	9.3	U	U	J	10	Analyte not detected at or above the QL or DL. LCS recovered low (26%).
	16MW9	9.2	U	U	J	10	Analyte not detected at or above the QL or DL. LCS recovered low (26%).
	16WC1A	9.5	U	U	J	10	Analyte not detected at or above the QL or DL. LCS recovered low (26%).
	16WC1B	9.2	U	U	J	10	Analyte not detected at or above the QL or DL. LCS recovered low (26%).
	16WDUP	9.1	U	U	J	10	Analyte not detected at or above the QL or DL. LCS recovered low (26%).
Pronamide	16C1	4.6	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	4.7	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	4.6	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	4.7	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	4.6	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	4.6	U	U		10	Analyte not detected at or above the QL or DL.
Pyridine	16C1	9.2	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-24.5%).
	16MW8	9.3	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-24.5%).
	16MW9	9.2	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-24.5%).
	16WC1A	9.5	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-24.5%).

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***ETAC, Barberton, OH***							
Pyridine	16WC1B	9.2	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-24.5%).
	16WDUP	9.1	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-24.5%).
2,3,4,6-Tetrachlorophenol	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
o-Toluidine	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
2,4,5-Trichlorophenol	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
2,4,6-Trichlorophenol	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
sym-Trinitrobenzene	16C1	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16MW8	9.3	U	U		10	Analyte not detected at or above the QL or DL.
	16MW9	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1A	9.5	U	U		10	Analyte not detected at or above the QL or DL.
	16WC1B	9.2	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	9.1	U	U		10	Analyte not detected at or above the QL or DL.
Method: **8270E**							
Laboratory: ***Gel Laboratories, Charleston, SC***							
a,a-Dimethylphenethylamine	16C1	2.94	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-22). LCS/MS/MSD spike concentration insufficient; LCS/MS/MSD did not recover.
	16MW8	2.99	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-22). LCS/MS/MSD spike concentration insufficient; LCS/MS/MSD did not recover.
	16MW9	2.94	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-22). LCS/MS/MSD spike concentration insufficient; LCS/MS/MSD did not recover.
	16WC1A	3	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-22). LCS/MS/MSD spike concentration insufficient; LCS/MS/MSD did not recover.
	16WC1B	2.93	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-22). LCS/MS/MSD spike concentration insufficient; LCS/MS/MSD did not recover.
	16WDUP	2.81	U	U	J	10	Analyte not detected at or above the QL or DL. CV %D > +/- 20 (-22). LCS/MS/MSD spike concentration insufficient; LCS/MS/MSD did not recover.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **8270E**							
Laboratory: ***Gel Laboratories, Charleston, SC***							
Dimethyl phthalate	16C1	0.294	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.299	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.294	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.293	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.281	U	U		1	Analyte not detected at or above the QL or DL.
Di-n-octyl phthalate	16C1	0.294	U	U		1	Analyte not detected at or above the QL or DL.
	16MW8	0.299	U	U		1	Analyte not detected at or above the QL or DL.
	16MW9	0.294	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1A	0.3	U	U		1	Analyte not detected at or above the QL or DL.
	16WC1B	0.293	U	U		1	Analyte not detected at or above the QL or DL.
	16WDUP	0.281	U	U		1	Analyte not detected at or above the QL or DL.
Hexachlorophene	16C1	164	U	U		500	Analyte not detected at or above the QL or DL.
	16MW8	166	U	U		500	Analyte not detected at or above the QL or DL.
	16MW9	164	U	U		500	Analyte not detected at or above the QL or DL.
	16WC1A	167	U	U		500	Analyte not detected at or above the QL or DL.
	16WC1B	163	U	U		500	Analyte not detected at or above the QL or DL.
	16WDUP	156	U	U		500	Analyte not detected at or above the QL or DL.
Pentachlorophenol	16WC1A	3	U	U		10	Analyte not detected at or above the QL or DL.
	16WDUP	2.93	U	U		10	Analyte not detected at or above the QL or DL.
Method: **9012B**							
Laboratory: ***ELLE, Lancaster, PA***							
Cyanide	16C1	5	U	U		20	Analyte not detected at or above the QL or DL.
	16MW8	5	U	U		20	Analyte not detected at or above the QL or DL.
	16MW9	5	U	U		20	Analyte not detected at or above the QL or DL.
	16WC1A	5	U	U	J	20	Analyte not detected. MS/MSD recovered low (71/70%)
	16WC1B	5	U	U		20	Analyte not detected at or above the QL or DL.
	16WDUP	5	U	U		20	Analyte not detected at or above the QL or DL. Blind field duplicate of 16WC1A.

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes

Definitions:

Appendix IX monitoring events and compliance monitoring wells:
For Appendix IX monitoring events, all compliance well results evaluated to the project detection limit.
See separate table for Appendix IX monitoring event detection limits.
QLDenotes permit quantitation limit**.**
Q Denotes data qualifier.
U Denotes analyte not detected at or above laboratory detection limit (DL) or QL.
J Denotes analyte reported at or above laboratory detection limit and associated result is estimated. When used with "U" (i.e., "UJ"), denotes analyte not detected at or above laboratory detection limit and project required quantitation limit/detection limit is estimated.
UA Denotes analyte not detected at or above adjusted sample detection limit /QL.
UN Denotes analyte concentration is less than the quantitation limit and five times the blank concentration. Analyte was not reliably detected due to blank contamination.
R Denotes result rejected.
Laboratory Data Qualifiers,
"U" and "<", denote not detected at or above the detection limit or QL.
B or J denote result detected between DL and QL, associated value should be considered an estimated concentration.

Appendix IX monitoring events:
Third Quarter 2003, Second Quarter 2004, Second Quarter 2005, Third Quarter 2006, Second Quarter 2007, Second Quarter 2008, Second Quarter 2009, Second Quarter 2010, 2Q 2011, 2Q 2012, 2Q 2013. 2Q 2014, 2Q 2015, 2Q 2016, 2Q 2017, 2Q2018, 2Q2019, 2Q2020, 4Q2021, 4Q2022

Definitions for Non-Appendix IX Monitoring Events and plume monitoring wells:
QL Denotes permit quantitation limit**.**
Q Denotes data qualifier.
U Denotes analyte not detected at or above QL.
UA Denotes analyte not detected at or above adjusted sample QL. See data validation report for further explanation.
UN Denotes analyte concentration is less than five times the blank concentration. Analyte was not reliably detected due to blank contamination.

J Denotes analyte reported at or above QL and associated result is estimated. When used with "U" (i.e., "UJ"), denotes analyte not detected at or above QL and QL is estimated. When used with "UA"(i.e., "**UAJ**"), denotes analyte not detected at or above adjusted QL and adjusted QL is estimated.
R Denotes result rejected. See data validation report for further explanation.
Laboratory Data Qualifiers, "U" and "<", denote not detected at or above the QL.

2200 S. Main Street, Ste. A
Blacksburg, VA 24060

T 540.552.0444
TRCcompanies.com

Data Validation Report

SW-846 METHODS 6020B and 7470A INORGANIC DATA REVIEW SUMMARY

TRC Engineers, Inc. (TRC) performed a comprehensive manual review of the analytical results for the July 29-30, 2025 groundwater monitoring event at Hazardous Waste Management Unit 16 (HWMU 16) located at the Radford Army Ammunition Plant (RFAAP), in Radford, Virginia. TRC collected groundwater samples from monitoring wells 16C1, 16MW8, 16MW9, 16WC1A, 16WC1B, 16-2, 16-3, 16-5, 16WC2B, and 16SPRING. Sample 16WDUP was submitted to the laboratory as a blind sample duplicate for sample 16WC1A. Validation of other required methods are presented on separate reports.

Samples 16C1 (upgradient/background well) and 16MW8, 16MW9, 16WC1A and 16WC1B (compliance wells) were analyzed for fifteen (15) metals by SW-846 Method 6020B and mercury by SW-846 Method 7470A. Samples 16-2, 16-3, 16-5, 16WC2B and 16SPRING (plume wells) were analyzed for twelve (12) metals by SW-846 Method 6020B and mercury by SW-846 Method 7470A. The following information and attached table summarize the inorganic data validation results.

Techniques used for metals analysis include inductively coupled plasma Mass Spectrometry (ICP-MS) and cold vapor atomic absorption (CVAA). Samples 16C1, 16MW8, 16MW9, 16WC1A, 16WC1B were analyzed for antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, thallium, vanadium, and zinc by ICP-MS Method 6020B and mercury by CVAA Method 7470A. The remaining plume monitoring well samples were analyzed for arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, silver, vanadium, and zinc by ICP-MS Method 6020B and mercury by CVAA Method 7470A. Total (T) concentrations were determined for the inorganic (metal) analytes.

TRC, of Blacksburg, Virginia, sent samples to Eurofins Lancaster Laboratories Environmental Testing, LLC, (ELLE), of Lancaster, Pennsylvania. ELLE performed the Method 6020B and 7470A analyses. On behalf of RFAAP, ELLE submitted results to TRC in a final certificate of analysis, which included sample analytical results, as well as relevant documentation to validate and verify the results. ELLE is accredited under the Virginia Environmental Laboratory Accreditation Program (VELAP) for the above analytes, methods, and matrix.

The evaluation of ELLE's compliance with the method and validation of results presented here are based upon a comprehensive review of QA/QC information including holding times, preservation procedures, instrument tuning, calibration and calibration verification data, QL standards, blank samples (method, calibration, and others), interference check sample, pre-digestion matrix spike and matrix spike duplicate (MS/MSD), laboratory control sample (LCS), internal standard, and serial dilution results, where applicable. A review of transcriptions from instrument data to sample summary sheets was performed. Calculation verifications were performed on all reported sample detections and on ten percent of the QA data, where applicable. The following information is intended to summarize data review results and any observed significant deviations from method and/or contractual requirements.

ELLE received the samples on ice and in good condition, with custody seals intact. Applicable holding time and preservation criteria were met. The chain of custody was appropriately signed and dated by field and laboratory personnel.

Method 6020B (ICP-MS)/3005A

The revised certificate of analysis (COAs) appeared complete in their presentation and the data were of acceptable quality. The final COA (revised) was received on September 19, 2025. The data set demonstrated the laboratory's ability to achieve the reported permit quantitation limit (QL) and detection limit (DL), where applicable. See case narrative for revision information.

QC documentation criteria were met. Applicable instrument tune, calibration and calibration verification requirements were met unless noted below. Blank, interference check samples, pre-digestion MS/MSD, LCS, internal standard and serial dilution results were within control limits. Deviations from QA/QC control limits that were identified during the data review process are summarized below.

The QC deviations for the compliance samples:

Cobalt was detected above the DL in the initial calibration blank (ICB) and one calibration blank (CCB); however, detected sample concentrations for total cobalt were five times greater than the ICB/CCB concentrations and no data qualification was required. Antimony was detected above the DL in one CCB; however, total antimony was not detected at or above the DL or QL in the associated sample and no data qualification was required.

Field duplicate/sample results exhibited acceptable precision, where applicable.

The QC deviations for the plume samples:

Cobalt was detected below the DL in the ICB and several CCBs; however, total cobalt was not detected at or above the QL and no data qualification was required.

General Information:

Target analytes detected at or above the permit QL and/or analytical data that required a data validation qualifier due to quality control deviations noted above are summarized on the attached table. As previously indicated, plume well results are reported to at or above the permit QL.

For this Appendix IX groundwater monitoring event, results for samples 16C1, 16MW8, 16MW9, 16WC1A, 16WC1B, and 16WDUP were reported to at or above the laboratory detection limit. Sample results unaffected by the data validation process, and not detected at or above the detection limit or QL, were validated and reported as "U." The reported concentration for

target analytes detected less than the QL were validated and qualified "J" to note that the reported concentration should be considered estimated.

Sample results for 16-2, 16-3, 16-5, 16WC2B, and 16SPRING (i.e., plume wells) were reported to at or above the permit required QL. Sample results unaffected by the data validation process, and not detected at or above the permit QL, were validated and reported as "U." No results were rejected based on the data validation criteria.

QLs were at or below the applicable groundwater protection standard (GPS). The laboratory DLs and QLs met the permit specified method detection limits (MDL) and QLs, where applicable.

Method 7470A (CVAA)

The revised and original certificates of analysis appeared complete in their presentation and the data were of acceptable quality. The final COA (revised) was received on September 19, 2025. The data set demonstrated the laboratory's ability to achieve the reported permit quantitation limit (QL) and detection limit (DL) for mercury, where applicable.

QC documentation criteria were met. Instrument calibration and calibration verification criteria were met. QL standards, blank samples, MS/MSD, and LCS were analyzed as required and applicable criteria were met unless noted below. No deviations from QA/QC control limits were identified during the data review process.

Field duplicate/sample results exhibited acceptable precision, where applicable.

Target analytes detected at or above the permit detection limit or QL and/or analytical data that required a data validation qualifier due to quality control deviations noted above are summarized on the attached table.

For samples 16-2, 16-3, 16-5, 16WC2B and 16SPRING, total mercury results were reported to at or above the permit required QL. Sample results unaffected by the data validation process, and not detected at or above the permit QL, were validated and reported as "U." For this Appendix IX groundwater monitoring event, sample results for 16C1, 16MW8, 16MW9, 16WC1A, 16WC1B were reported to at or above the permit detection limit. Sample results unaffected by the data validation process, and not detected at or above the permit detection limit or permit QL, were validated and reported as "U." No results were rejected based on the data validation criteria.

The laboratory QL and DL met the permit specified QL and MDL.

INORGANIC DATA EVALUATION BY SW-846 ICP-MS METHOD 6020B

Eurofins Lancaster Laboratories Environmental, Lancaster, PA; Job IDs: 410-234898-1 Rev 1 (compliance), 410-234898-2 Rev 1 (plume)
☑ - denotes items reviewed. See Data Validation Summary for additional comments.

A. DOCUMENTION COMPLETENESS CRITERIA:
Data Quality Objective: Representativeness
- ☑ Chain of custody – Custody transfers must be signed and dated
- ☑ Chain of custody properly and completely filled out including sampler signatures, date and time of sampling, sample ID, analysis requested

B. DETECTION LIMIT AND QUANTITATION LIMIT CRITERIA:
Data Quality Objective: Analytical Sensitivity
- ☑ Specific detection limit reported
- ☑ Specific quantitation limit reported
- ☑ Instrument detection limit (IDL) less than QL
- ☑ VELAP accredited

C. INITIAL DEMONSTRATION OF CAPABILITY (IDOC) CRITERIA:
Data Quality Objective: Laboratory Method Sensitivity
- ☑ IDOC for analysts T8CQ andF7JF are kept on file at the laboratory

D. SAMPLE AND STANDARD PREPARATION CRITERIA:
Data Quality Objective: Accuracy and Representativeness
- ☑ Digestion method: 3005A

E. TECHNICAL HOLDING TIME / PRESERVATION REQUIREMENTS:
Data Quality Objective: Representativeness
- ☑ 6 month holding time, pH<2 with Nitric Acid (HNO_3)

F. INSTRUMENT TUNE CRITERIA:
Data Quality Objective: Verify Operating Conditions
- ☑ Prior to calibration
- ☑ Relative Standard Deviation (RSD) </=5%
- ☑ Resolution < 0.9 amu full width at 10% peak height (or lower)
- ☑ Mass calibration </=0.1 amu difference from true value

G. INITIAL CALIBRATION CRITERIA:
Data Quality Objective: Laboratory Accuracy
- ☑ A single point calibration or a multi-point calibration with a calibration blank and at least 3 standards (low standard at or below the QL)
- ☑ Linear curve fit with correlation coefficient r≥0.995
- ☑ Daily calibration following tuning and prior to sample analysis

H. INITIAL CALIBRATION VERIFICATION (ICV) CRITERIA:
Data Quality Objective: Laboratory Accuracy
- ☑ Daily following initial calibration - Independent/second source used for standard
- ☑ ICV recovery 90-110% - concentration near mid-point of calibration curve
- ☑ Low level ICV (LLICV) – prior to sample analysis, at QL concentration, 80-120% recovery

I. INITIAL CALIBRATION BLANK CRITERIA:

Data Quality Objective: Laboratory Analytical Sensitivity/Instrument Drift/Contamination Evaluation

- ☑ Daily following ICV
- ☑ Interference free (<±1/2 the QL concentration)

J. QL/LOQ CHECK STANDARD CRITERIA:

Data Quality Objective: Laboratory Analytical Sensitivity

- ☑ Standard analyzed at or below the QL (LLQC), digested, mean of 7 replicates with RSD <5%, analyzed after MDL determination and analyzed at least quarterly
- ☑ QL standard recovery 80-120%

K. CONTINUING CALIBRATION VERIFICATION (CCV) CRITERIA:

Data Quality Objective: Laboratory Analytical Accuracy

- ☑ CCV, prior to analysis, after every 10 samples, at end of analysis
- ☑ CCV recovery within 90-110%, mid-point of curve concentration

L. CONTINUING CALIBRATION BLANK CRITERIA:

Data Quality Objective: Laboratory Analytical Sensitivity/Instrument Drift/Contamination Evaluation

- ☑ Immediately after the CCV and after each group of 10 samples
- ☑ Interference free (<QL)

M. BLANK CRITERIA:

Data Quality Objective: Sensitivity/Instrument Drift/Contamination Evaluation

- N/A Trip Blank (check only if analyzed)
- ☑ Method/Other Lab Blanks (check only if analyzed), one per digestion batch
- ☑ Interference free (<1/2 LLOQ), where applicable

N. INTERFERENCE CHECK SAMPLE (ICS) CRITERIA:

Data Quality Objective: Analytical Accuracy/Verification of Isobaric Interference Corrections

- ☑ At beginning of analytical run or once every 12 hours of continuing sample analysis Results for elements not spiked in solution should be < 2 times the LLOQ. (Ti and Mo are spiked in addition to alkali metals)

O. MATRIX SPIKE DUPLICATE (MSD) CRITERIA:

Data Quality Objective: Method Precision in Sample Matrix

- ☑ All analytes, one MSD or sample duplicate per batch of 20 samples
- ☑ Spiked prior to sample preparation
- ☑ RPD ≤ 20 between MS & MSD results or sample & duplicate results, where applicable

P. MATRIX SPIKE (MS) CRITERIA:

Data Quality Objective: Method Accuracy in Sample Matrix

- ☑ All analytes, one MS per digestion batch of 20 samples
- ☑ Spiked prior to sample preparation
- ☑ Recovery: 75-125%, post-digestion spike analyzed for failed analytes, recovery 75-125%

Q. LABORATORY CONTROL SAMPLE (LCS) CRITERIA:

Data Quality Objective: Laboratory Method Accuracy, Laboratory Performance

- ☑ 1 LCS per 20 samples, all analytes, Recovery: 80-120%
- ☑ LCS solution same concentration as MS/MSD solution

R. INTERNAL STANDARDS (IS) CRITERIA:

Data Quality Objective: Analytical Accuracy in Sample Matrix

- ☑ IS added to each sample and QC sample

- ☑ Relative intensity (RI) should be within 70-125%
- ☑ If RI of CCB is <30%, terminate run and recalibrate

S. SERIAL DILUTION TEST CRITERIA:

Data Quality Objective: Accuracy in Sample Matrix

- ☑ <20% Difference (applicable when concentration >25X (LLOQ)

T. SAMPLE QUANTITATION AND GENERAL REPORTING CRITERIA:

Data Quality Objective: n/a

- ☑ Sample results reported within instrument calibration range
- ☑ Sample results reported to the permit detection limit (compliance wells) and permit QL (plume wells).

REFERENCES:

TRC conducted a limited data validation of the above noted data set using the data package provided by the analyzing laboratory. Data evaluation was conducted using SW-846 (Test Methods for Evaluating Solid Waste-Physical/Chemical Methods, USEPA, SW-846, 3rd Edition-Final Update I, II/IIA, III, and subsequent updates) method requirements and CLP data validation guidelines (USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020, where applicable). Validation of this data set is limited to review of items detailed in this data review report. Additionally, laboratory specific acceptance criteria and/or historical program acceptance criteria were used when no other acceptance criteria were available. Validation of this data set is limited to the items detailed in this report.

INORGANIC DATA EVALUATION FOR MERCURY BY COLD VAPOR AA SW-846 METHOD 7470A

Eurofins Lancaster Laboratories Environmental, Lancaster, PA; Job IDs: 410-234898-1 Rev 1 (compliance), 410-234898-2 Rev 1 (plume)
☑ - denotes items reviewed. See Data Validation Summary for additional comments.

A. QC DOCUMENTATION CRITERIA:
- ☑ Specific detection limits/quantitation limit (QLs) for target analyte
- ☑ Standard analyzed at the QL (70-130% Recovery)
- ☑ VELAP accredited
- ☑ IDOC for analyst is kept on file at the laboratory.

B. METHOD INFORMATION DOCUMENTATION:
- ☑ Mercury analyzed by requested method

C. TECHNICAL HOLDING TIME / PRESERVATION REQUIREMENTS:
- ☑ 28 day holding time
- ☑ Adjust pH <2 w/ HNO_3

D. INSTRUMENT CALIBRATION CRITERIA:
- ☑ 1 calibration blank and at least 3 standards, correlation coefficient >0.995
- ☑ Instrument calibrated for every analytical sequence for every method

E. INITIAL / CONTINUING CALIBRATION VERIFICATION CRITERIA:
- ☑ 10 sample frequency for CCV
- ☑ Recovery within 80-120%

F. BLANK SAMPLE CRITERIA:
- N/A Trip Blank (check only if analyzed)
- N/A Equipment Blank (check only if analyzed)
- ☑ Method/other laboratory blanks (check only if analyzed)
- ☑ Interference free

G. MATRIX SPIKE DUPLICATE (MSD) SAMPLE CRITERIA:
- ☑ One MSD or sample duplicate per batch of 20 samples
- ☑ RPD ≤20 between MS and MSD or sample and duplicate results
- ☑ Recovery 75-125% for MSD

H. MATRIX SPIKE (MS) SAMPLE CRITERIA:
- ☑ Recovery within 75-125% range
- ☑ One MS per batch of 20 samples
- ☑ MS added prior to digestion

I. LABORATORY CONTROL SAMPLE (LCS) CRITERIA:
- ☑ LCS for mercury
- ☑ Recovery within 80-120%
- ☑ Independent source for LCS

J. SAMPLE RESULTS CRITERIA:
- ☑ Results reported within instrument calibration range
- ☑ Results reported to permit detection limit (compliance wells)

☑ Results reported to permit quantitation limit (plume wells)

TRC conducted a limited data validation of the above noted data set using the data package provided by the analyzing laboratory. Data evaluation was conducted using SW-846 (Test Methods for Evaluating Solid Waste-Physical/Chemical Methods, USEPA, SW-846, 3rd Edition-Final Update I, II/IIA, III, and subsequent updates) method requirements and CLP data validation guidelines (USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020, where applicable). Validation of this data set is limited to review of items detailed in this data review report. Additionally, laboratory specific acceptance criteria and/or historical program acceptance criteria were used when no other acceptance criteria were available. Validation of this data set is limited to the items detailed in this report.

LIMITATIONS:

TRC prepared this document (which may include drawings, specifications, reports, studies, and attachments) in accordance with the agreement between TRC and BAE Systems, Ordinance Systems, Inc.

The standard of care for all professional engineering, environmental and surveying and related services performed or furnished by TRC under this Agreement are the care and skill ordinarily used by members of these professions practicing under similar circumstances at the same time and in the same locality. TRC makes no warranties, express or implied, under this Agreement in connection with TRC' services.

Conclusions presented are based upon a review of available information, the results of our field studies, and/or professional judgment. To the best of our knowledge, information provided by others is true and accurate, unless otherwise noted. TRC Engineer's liability, hereunder, shall be limited to amounts due TRC for services actually rendered, or reimbursable expenses actually incurred.

Any reuse or modification of any of the aforementioned documents (whether hard copies or electronic transmittals) prepared by TRC without written verification or adaptation by TRC will be at the sole risk of the individual or entity utilizing said documents and such use is without the authorization of TRC. TRC shall have no legal liability resulting from any and all claims, damages, losses, and expenses, including attorney's fees arising out of the unauthorized reuse or modification of these documents. Client shall indemnify TRC from any claims arising out of unauthorized use or modification of the documents whether hard copy or electronic.

♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦

This Report has been prepared by:

_____ 09/26/2025
Kathy Olsen, Project Environmental Scientist III Date:
2200 South Main Street, Suite A, Blacksburg, Virginia 24060
540-552-0444; kolsen@trccompanies.com, www.trccompanies.com

This Report has been subjected to technical and quality review by:

_____ 10/29/2025
Kim Altizer, Project Environmental Scientist III Date:
2206 South Main Street, Suite A, Blacksburg, Virginia 24060
540-552-0444; kaltizer@trccompanies.com, www.trccompanies.com

SW-846 METHOD 8260D VOLATILE ORGANICS DATA REVIEW SUMMARY

TRC Engineers, Inc. (TRC) performed a comprehensive manual review of the analytical results for the July 29-30, 2025 monitoring event at Hazardous Waste Management Unit 16 (HWMU 16) located at the Radford Army Ammunition Plant (RFAAP), Radford, Virginia. TRC collected groundwater samples from monitoring wells 16C1, 16MW8, 16MW9, 16WC1A, 16WC1B, 16-2, 16-3, 16-5, 16WC2B, and 16Spring. Groundwater sample 16WDUP was collected and submitted to the laboratory as a blind field duplicate for 16WC1A.

Samples 16C1, 16MW8, 16MW9, 16WC1A, and 16WC1B (compliance monitoring wells) were analyzed for 66 volatile organic target analytes and samples 16-2, 16-3, 16-5, 16WC2B, and 16Spring (plume wells) were analyzed for 21 volatile organic target analytes per USEPA SW-846 Method 8260D, as requested. The following information and attached table summarize the Method 8260D data validation results.

TRC, of Blacksburg, Virginia, sent samples to Eurofins Lancaster Laboratories Environmental Testing, LLC (ELLE), of Lancaster, Pennsylvania and to Eurofins Cleveland (ETAC) of Barberton, Ohio. ELLE performed SW-846 Methods 8260D volatile analyses. ETAC performed the acrolein and trans-1,4-dichloro-2-butene 8260D analyses. Each laboratory is VELAP accredited for the analytes, methods and matrix as reported on the certificate of analysis. Each laboratory submitted results to TRC in a final certificate of analysis, which included sample analytical results as well as relevant documentation to validate and verify the results. Job IDs: ELLE: 410-234898-1 Rev 1, (Compliance), 410-234898-2 Rev 1 (Plume), ETAC: 240-229857-1 Rev 1 (Compliance).

The evaluation of each laboratory's compliance with Methods 8260D and validation of the results were based on a review of the following items: QC deliverables package, QC history documentation, technical holding times and preservation requirements, instrument performance (tune) check, instrument calibration and calibration verification data, blank, surrogate spike, matrix spike and matrix spike duplicate (MS/MSD), laboratory control sample (LCS), internal standards recovery, and/or target analyte identification and quantitation. A review of transcriptions from instrument data to sample summary sheets was performed. Calculation verifications were performed on all reported sample detections and on ten percent of the QA data, where applicable. The following information is intended to summarize data review results and any observed significant deviations from method and/or contractual requirements.

Each laboratory received the samples on ice and in good condition, with custody seals intact. The chains of custody (COCs) were appropriately signed and dated by field and laboratory personnel. Technical holding time and preservation criteria were met, except as noted below. For Trip Blank 3, the date was not listed on the COC; the laboratory entered the date as received date. Trip Blank 3 was not needed as the samples were collected over a two-day period. The laboratory analyzed and reported. No additional action was required.

The certificates of analysis (COAs) appeared complete in their presentation and the data were of acceptable quality. The final COA (revised) was received on September 19, 2025. The data set demonstrated the laboratory's ability to achieve the reported permit quantitation limit (QL) and detection limit (DL), where applicable. See case narrative for revision information.

QC deliverables package requirements were met. QC history documentation and instrument performance check criteria were met. Tuning, initial calibration, calibration verification, blanks, surrogates, MS/MSD, LCS, internal standards, identification and quantitation criteria were met, except as noted below. No transcription errors were observed. It is noted that for Point of Compliance (POC) wells, all sample detections at or above the DL were verified through calculations from instrument data. For Plume wells, all sample detections at or above the QL were verified through calculations from instrument data.

The QC deviations for the compliance samples (ELLE):

2-Butanone, 2-hexanone, methacrylonitrile, 4-methyl-2-pentatnone, propionitrile, and tetrahydrofuran exceeded (recovered high) the CV standard percent difference/drift requirement (±20%). These analytes were not detected at or above the DL or QL in any sample and no data qualification was required. The remaining CV standard criteria were met.

The MS and/or MSD (16WC1A) recovered high for bromomethane, chloroethane, 1,1-dichloroethene, methylene chloride, and trichlorofluoromethane, and 1,1,2-trichloro-1,2,2-trifluoroethane. These analytes were not detected at or above the DL or QL in any sample and no data qualification was required.

For acetonitrile, the project detection limit (31.67 ug/l) (i.e., permit specified detection limit) was greater than the spike added concentration (18.8 ug/l) for the LCS/MS/MSD. The laboratory reported the LCS/MS/MSD concentrations as not detected at or above the project detection limit; however, examination of the instrument data showed the actual concentrations to be 20.1/16.1/17.5 ug/l which were above the actual laboratory method detection limit of 2 ug/l. As such LCS/MS/MSD recoveries for acetonitrile (107%/86%/93%) were within criteria and no data qualification was required.

For samples 16C1 and 16MW9, the initial results for diethyl ether exceeded the upper standard calibration range. These samples were analyzed in dilution: 16C1 (1:10) and 16MW9 (1:10) and diethyl ether results from the diluted analysis were reported. QL and DLs were adjusted accordingly.

Acetone was detected less than the QL in the blind field duplicate, 16WDUP (25 ml purge analysis), but not 16WC1A. Acetone was also detected below the QL in the trip blanks at similar concentrations, indicating acetone detection in 16WDUP was attributed to likely laboratory contamination. Acetone was not detected in the remaining samples. ELLE also analyzed sample 16WDUP for acetone using a 5 ml purge volume. The 5 ml purge analysis also met the permit

method detection limit requirement for acetone, 2 ug/l. Acetone was not detected at or above the QL or DL (2 ug/l) (5 ml purge analysis). Although both acetone results are reported by ELLE, the final 16WDUP acetone result was reported by ELLE using the 5 ml purge analysis. It should be noted that ETAC was also requested to report acetone in 16C1A and 16WDUP to confirm or refute the acetone reported in 16WDUP. Acetone was not detected at or above the QL or DL (5 ug/l) by ETAC; however, ETAC did not meet the permit required DL and this data was not used. For the 5 ml purge volume analysis, a LCS and LCS duplicate were analyzed for acetone meeting, batch method MS/MSD requirements.

The QC deviations for the compliance samples (ETAC):

Acrolein and trans-1,4-dichloro-2-butene were the volatile target analytes that were analyzed at ETAC. Acetone was reported for 16WC1A and 16WDUP; however, acetone results were reported by ELLE and ETAC acetone results were not used.

Acrolein did not meet (recovered high) one calibration verification (CV) percent difference/drift requirement (±20). Acrolein was not detected at or above the QL or DL and no data qualifications were needed.

Trans-1,4-dichloro-2-butene did not meet (recovered low) one CV standard percent difference/drift required (±20) . Trans-1,4-dichloro-2-butene and was not detected at or above the DL or QL in any applicable sample and the QL and DL for this analyte was qualified "UJ" to note the QL and DL were estimated. This applied to 16C1, 16MW8 and 16MW9 only.

The QC deviations for the plume samples (ELLE):

2-Butanone and tetrahydrofuran exceeded (recovered high) the CV standard percent difference/drift requirement (±20%). These analytes were not detected at or above the DL or QL in any sample and no data qualification was required. The remaining CV standard criteria were met.

General Information:

Laboratory analysis was performed using a 25 ml purge volume for all analytes except 2-propanol and acetone (16WC1A and 16WDUP) (ELLE), trans-1,4-dichloro-2-butene (ETAC), acrolein (ETAC) and acetone (ETAC - 16WC1A and 16WDUP). Analysis for these analytes was performed using a 5 ml purge volume.

Field duplicate/sample results for 16WC1A exhibited acceptable precision, where applicable. A trip blank was submitted and analyzed for each day of sampling.

For the compliance well samples 16C1, 16MW8, 16MW9, 16WC1A, 16WDUP, and 16WC1B, results were reported to at or above the permit specified detection limit for this Appendix IX

monitoring event. For the remaining samples (plume wells), target analytes were reported to at or above the permit specified QL.

Target analytes detected at or above the detection limit or QL and/or analytical data that required a data validation qualifier due to quality control deviations noted above are summarized on the attached table. The reported concentration for target analytes detected less than the QL or adjusted QL should be considered estimated.

Results for samples unaffected by the data validation process, and not detected at or above the detection limit and/or QL, were validated and reported as "U." No results were rejected based on the data validation criteria.

QLs were at or below the applicable groundwater protection standard (GPS). The laboratory QLs and DL met the permit specified method detection limit (MDL), where applicable, and QL.

SW-846 METHOD 8260C/D (GC/MS) VOLATILE ORGANICS DATA VALIDATION

Comments: *Volatile organic analysis uses a purge and trap system to remove volatile organic target analytes from a 5ml or 25ml water sample (SW-846 5030C). Target analytes are separated and quantified using a capillary column gas chromatograph (GC)/mass spectrometer (MS).*

A. QC DELIVERABLES PACKAGE:

1.	Was the case narrative present/signed by a lab representative?	☑ YES ☐ NO
2.	Was the Chain of Custody present/signed by a lab representative?	☑ YES ☐ NO
3.	Were the sample results included for the sample locations?	☑ YES ☐ NO
4.	Did the results correspond to the project specific analyte list?	☑ YES ☐ NO
5.	Were the analyte QLs reported on sample summary sheets in agreement with the MDL study?	☑ YES ☐ NO
6.	Were sample locations, analytes and QLs in agreement with the electronic deliverable (EDD)?	☑ YES ☐ NO
7.	VELAP accredited?	☑ YES ☐ NO

Comments: QC deliverables package requirements were met.

B. QC HISTORY DOCUMENTATION CRITERIA:

1.	Was an instrument specific MDL study provided which included DL and QL values for the target analytes?	☑ YES ☐ NO
2.	Was the instrument calibration range provided?	☑ YES ☐ NO
3.	Were the instrument specific check sample data provided for the target analytes?	☑ YES ☐ NO

Comments: Except as noted above, QC history documentation was provided and met criteria. The laboratory analyzed the MDL check sample at 1 µg/l (5 ml purge) and at 0.1 µg/l (25 ml purge) for most target analytes.

C. TECHNICAL HOLDING TIME AND PRESERVATION CRITERIA:

1.	Was the 14-day sample collection to analysis holding time met?	☑ YES ☐ NO
2.	Were the samples received at ≤6ºC, zero headspace?	☑ YES ☐ NO
3.	Was each sample pH adjusted to <2 with HCl?	☑ YES ☐ NO
4.	Was each sample pH adjusted to 4-5 (acrolein/acrylonitrile)?	See comments
5.	Were samples analyzed unpreserved (2-chloroethyl vinyl only)?	☑ NA ☐ YES ☐ NO

Comments: Technical holding time and sample preservation criteria were met. The laboratory demonstrated the ability to analyze for these two analytes (acrolein and acrylonitrile) through successful recovery in the LCS/MS/MSD at pH<2.

D. GC/MS INSTRUMENT PERFORMANCE (TUNING) CHECK CRITERIA:

1. Was the instrument performance check solution analyzed prior to ICAL analysis? ☑ YES ☐ NO
2. Was there documentation of the injection of 5-50 ng bromofluorobenzene (BFB)? ☑ YES ☐ NO
3. Were the ion abundance criteria met? ☑ YES ☐ NO

Comments: Instrument performance check criteria were met.

E. IINITIAL GC/MS CALIBRATION CRITERIA:

SW-846 Criteria*:*

1. Was the initial calibration (ICAL) analyzed immediately following
3. Were calibration standards dropped to meet calibration criteria? ☐ YES ☑ NO
4. Did the ICALs consist of a minimum of 5 calibration levels? ☑ YES ☐ NO
5. Was the lowest concentration calibration standard at or below the associated MCL? ☑ YES ☐ NO
6. Was the calibration curve developed using the same purge volume as that used for sample analysis? ☑ YES ☐ NO
7 Were 8260D Relative Response Factor (RRF) criteria in agreement with those listed in Table 4 (guidance only)? ☑ YES ☐ NO
8. Was each target analyte %RSD ≤ 20%? ☑ YES ☐ NO
9. Was the correlation coefficient >0.99 for target analytes with ≥20% RSD? (*System recalibrated if >10% analytes fail above condition)* ☑ NA ☐ YES ☐ NO
10. Was an initial calibration verification (ICV) standard analyzed immediately following the ICAL? ☑ YES ☐ NO
11. Was the recovery within 70-130%? ☑ YES ☐ NO
12. Was the ICV standard prepared from a different source from the ICAL? ☑ YES ☐ NO

Method Validation Performance Criteria:

1. Did target analytes and surrogates that have RSDs >20% have ≥0.99 correlation coefficient or coefficient of determination? ☑ NA ☐ YES ☐ NO
2. For linear regression curves, was the recalculated concentration of the low calibration point within ±50%? (30 % for all other levels). ☑ NA ☐ YES ☐ NO
3. For quadratic curves, was a minimum of six standards used? ☑ NA ☐ YES ☐ NO

Comments: Initial calibration criteria were met.

F. CALIBRATION VERIFICATION CRITERIA:

SW-846 Criteria:

1. Was a calibration verification analyzed at the beginning of each 12-hour period and prior to analysis of the method blank and samples? ☑ YES ☐ NO
2. Did the target analytes and system monitoring analytes (surrogates) have the % D within ± 20%? ☐ YES ☑ NO

If more than 20% fail the %D criteria, corrective action must be taken

3. If analyte failed low, was QL standard analyzed and detected? ☑ YES ☐ NO
   Report non-detects with qualification. Qualify any detects as estimated. If analyte failed high, qualify any detects as estimated. Non-detects will not need to be qualified.

TRC Engineers, Inc. Contractual Requirements:

1. Did the target analytes and system monitoring analytes (surrogates) have % Ds within ± 20%? ☐ YES ☑ NO

Comments: Calibration verification criteria were met, except as noted above.

G. BLANK CRITERIA:

1. Was a method blank analyzed after the calibration standards, prior to sample analysis, and once for every 12-hour period beginning with the injection of BFB? ☑ YES ☐ NO
2. Was a trip blank analyzed with this sample batch? ☑ YES ☐ NO
3. Were the trip blanks and method blanks interference free? See comment
4. Was the level of blank contamination less than 5% of the regulatory limit associated with an analyte or less than 5% of the sample result for the same analyte, whichever is greater? ☑ NA ☐ YES ☐ NO
5. List target analytes detected in the blanks: *see comment below*
6. Did any result exceed the calibration range? ☑ YES ☐ NO
7. Was the sample analyzed immediately after the sample that exceeded the upper calibration range evaluated for carry and no carryover observed? ☑ YES ☐ NO

Comments: Acetone was reported in the associated Trip Blanks (ELLE). See narrative above. Remaining blank criteria were met.

H. SURROGATE CRITERIA:

SW-846 Criteria:

1. Were the following surrogates used? ☑ YES ☐ NO
   - dibromofluoromethane (80-120%)
   - 4-bromofluorobenzene (80-120%)
   - toluene-d8 (80-120%)
   - 1,2-dichloroethane-d4 (80-120%)
2. Were recoveries within specified ranges? ☑ YES ☐ NO
   If "NO", corrective action is required. Flagging the data as estimated is not acceptable until corrective action has been attempted
3. Were samples with surrogates outside the QC window reanalyzed as required? ☑ NA ☐ YES ☐ NO

Comments: Surrogate criteria were met.

I. MATRIX SPIKE, MATRIX SPIKE DUPLICATE (MS/MSD) CRITERIA:

(MS/MSD Requirements - CLP Guidelines)

Analyte	*% R Water*	*% RPD Water*
1,1-dichloroethene	61-145	14

trichloroethene	71-120	14
benzene	76-127	11
toluene	76-125	13
chlorobenzene	75-130	13

1. Was a matrix spike and matrix spike duplicate (MS/MSD) analyzed per sample batch or every 20 samples, whichever may occur first? ☑ YES ☐ NO
2. Did the MS/MSD spike contain additional target analytes? ☑ YES ☐ NO
3. Was the MS/MSD analyzed on the specific project matrix? ☑ YES ☐ NO
4. MS/MSD acceptance range: 70-130%; lab limits-poor purge analytes; RPD ≤30
5. Were analytes qualified as estimated due to MS/MSD criteria? ☐ YES ☑ NO
    - If yes, and the LCS for the analyte(s) recovered within control limits, matrix interference is suspected.

Comments: MS/MSD criteria were met or no data qualification was needed.

J. LABORATORY CONTROL SAMPLE (LCS) CRITERIA:

1. Was a LCS included in the sample batch analysis? ☑ YES ☐ NO
2. Did the LCS contain the required target analytes? (No TICs) ☑ YES ☐ NO
3. List the LCS acceptance criteria: 75-125%; lab limits-poor purge analytes; RPD ≤30
4. Were any analytes qualified as estimated? ☐ YES ☑ NO

Comments: LCS criteria were met.

K. INTERNAL STANDARDS (IS) CRITERIA:

1. Were the following internal standards (IS) used? ☑ YES ☐ NO
   t-butyl alcohol-d_{10}, fluorobenzene, chlorobenzene-d_5, 1,4-dichlorobenzene-d_4
2. Were the IS areas within - 50% to + 100% of the last CV? ☑ YES ☐ NO
3. Were the IS RTs within ± 30 seconds of the last CV? ☑ YES ☐ NO
4. Were samples failing Items 2 and/or 3 above reanalyzed as required by the method? ☑ NA ☐ YES ☐ NO

Comments: Internal standards criteria were met.

L. TARGET ANALYTE IDENTIFICATION:

1. Were the RRTs of the reported analytes within ± 0.06 RRT units of the standard RRT? ☑ YES ☐ NO
2. Check the sample spectra against the laboratory standard spectra to see that the following criteria were met:
   * Characteristic ions maximize in the same scan or within one scan of each other
   * Characteristic ions present in the standard spectra present in the sample spectra for analytes detected above the QL
   * Relative intensities of the ions between the standard and sample spectra within ± 30%
3. Were the reported analytes confirmed? ☑ YES ☐ NO

Comments: Target analyte identification criteria were met. See attached table for detected analytes. Identification criteria were met.

M. TARGET ANALYTE QUANTITATION:

* If the %RSD of an analyte was 20% or less, then the average relative response factor should have been used for quantitation.
* If the %RSD of an analyte was greater than 20%, then the quantitation should have been based on a calibration curve using the first or higher order regression fit of the five calibration points. (6 calibration points for 2nd order).

1. List the detected analytes whose %RSD was > 20%: *None*
   - Was quantitation based on a linear regression fit? ☑ NA ☐ YES ☐ NO
2. Did the initial analysis of any sample have a concentration of an analyte which exceeded the initial calibration range? ☑ YES ☐ NO
   -If so, was the sample reanalyzed at a higher dilution? ☑ YES ☐ NO
3. Were the analyte concentrations that were recorded on the raw sample quantitation reports accurately transferred to the sample summary sheets? ☑ YES ☐ NO
4. Were field sample duplicate RPDs <20 where applicable? ☑ YES ☐ NO

Comments: Target analyte quantitation criteria were met, where applicable.

N. LIBRARY SEARCHES: Library searches were not requested with this data set.

O. CORRECTIVE ACTION TAKEN AND GENERAL COMMENTS:

The initial demonstration of capability (IDOCs) for analysts N7YK, TQ4J, (ELLE) and R5XG (ETAC) are maintained and kept on file at the laboratory. No corrective action was taken.

REFERENCES:

TRC conducted data validation of the above noted data set using summary tables and instrument data provided by the analyzing laboratory. Data were evaluated in general accordance with SW-846 Method requirements (Test Methods for Evaluating Solid Wastes - Physical and Chemical Methods, USEPA SW-846, 3rd edition - Final Update I, II/IIA, III and subsequent updates) and CLP data validation guidelines (USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review, November 2020, where applicable). Where QA/QC criteria differed, the analytical method acceptance criteria were used. Additionally, laboratory specific acceptance criteria and/or historical program acceptance criteria were used when no other acceptance criteria were available. Validation of this data set is limited to the items detailed in this report.

LIMITATIONS:

TRC Engineers, Inc., (TRC) prepared this document (which may include drawings, specifications, reports, studies, and attachments) in accordance with the agreement between TRC and BAE Systems, Ordnance Systems, Inc. The standard of care for all professional engineering, environmental and surveying and related services performed or furnished by TRC under this Agreement are the care and skill ordinarily used by members of these professions practicing under similar circumstances at the same time and in the same locality. TRC makes no warranties, express or implied, under this Agreement in connection with TRC services. Conclusions presented are based upon a review of available information, the results of our field studies, and/or professional judgment. To the best of our knowledge, information provided by others is true and accurate, unless otherwise noted. TRC liability, hereunder, shall be limited to amounts due TRC for services actually rendered, or reimbursable expenses actually incurred. Any reuse or modification of any of the aforementioned documents (whether hard copies or electronic transmittals) prepared by TRC without written verification or adaptation by TRC will be at the sole risk of the individual or entity utilizing said documents and such use is without the authorization of TRC. TRC shall have no legal liability resulting from any and all claims, damages, losses, and expenses, including attorney's fees arising out of the unauthorized reuse or modification of these documents. Client shall indemnify TRC from any claims arising out of unauthorized use or modification of the documents whether hard copy or electronic.

♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦

This Report has been prepared by:

_____ _____9/30/2025_____
Kathy Olsen, Project Environmental Scientist III Date:
2206 South Main Street, Suite A, Blacksburg, Virginia 24060
540-552-0444, kolsen@trccompanies.com, www.trccompanies.com

This Report has been subjected to technical and quality review by:

_____ _____10/29/2025_____
Kim Altizer, Project Environmental Scientist III Date:
2200 South Main Street, Suite A, Blacksburg, Virginia 24060
540-552-0444, kaltizer@trccompanies.com, www.trccompanies.com

SW-846 METHOD 8270E SEMIVOLATILE DATA REVIEW SUMMARY

TRC Engineers, Inc. (TRC) performed a comprehensive manual review of the analytical results for the July 29-30, 2025 groundwater monitoring event at Hazardous Waste Management Unit 16 (HWMU 16) located at the Radford Army Ammunition Plant (RFAAP), Radford, Virginia. TRC collected groundwater samples from monitoring wells 16C1, 16MW8, 16MW9, 16WC1A, 16WC1B, 16-2, 16-3, 16-5, 16WC2B, and 16Spring. Groundwater sample 16WDUP was submitted to the laboratory as a blind sample duplicate for 16WC1A.

Samples 16C1, 16MW8, 16MW9, 16WC1A, and 16WC1B (compliance monitoring wells) were analyzed for 114 semivolatile target analytes. Samples 16-2, 16-3, 16-5, 16WC2B, and 16Spring (plume wells) were analyzed for three semivolatile target analytes. Semivolatile analysis was performed using USEPA SW-846 Method 8270E, as specified below. The following information and attached table summarize the Method 8270E data validation results. Validation of other required methods is presented on separate reports.

TRC, of Blacksburg, Virginia, sent samples to Eurofins Lancaster Laboratories Environmental Testing, LLC (ELLE), of Lancaster, Pennsylvania; Eurofins Cleveland (ETAC), of Barberton, Ohio; GEL Laboratories, LLC, (GEL), of Charleston, South Carolina; and to Enthalpy Analytical of Richmond, Virginia. Each laboratory is a VELAP accredited laboratory for the analytes, method and matrix as reported on the certificates of analysis. Each laboratory submitted results to TRC in a final certificate of analysis that included sample analytical results as well as relevant QA/QC and method performance criteria documentation to verify and validate the results. Job IDs: ELLE: 410-234898-1 Rev 1 (compliance) and 410-234898-2 Rev 1 (plume); ETAC: 240-229857-1 Rev 1; GEL: 735995; Enthalpy: 25H0034 (Rev0).

The evaluation of each laboratory's compliance with Methods 8270E and validation of the results was based on a review of the following items: QC deliverables package, QC history documentation, case narrative, technical holding time and preservation requirements, instrument performance (tune) check, instrument calibrations, blank analysis, surrogate spike recoveries, matrix spike and matrix spike duplicate (MS/MSD) analyses, laboratory control sample (LCS) data, and internal standard requirements. A review of the transcriptions from instrument data to sample summary sheets was performed. Calculation verifications were performed on all reported sample detections and on ten percent of the QC data, where applicable. The following information is intended to summarize data review results and any observed significant deviations from method and/or contractual requirements.

Each laboratory received the samples on ice and in good condition, with custody seals intact, except where noted below. The chain of custody was appropriately signed and dated by field and laboratory personnel. Technical holding time and sample preservation were met.

ELLE noted in the case narrative for 16C1, 16MW9, Trip Blank 1 and Trip Blank 2 samples, the number of containers listed on the COC did not match what the laboratory received;

however, the number of containers received was sufficient for the required analyses and no additional action was required.

The certificates of analysis (COAs) appeared complete in their presentation and the data were of acceptable quality. The final COA (revised) was received on September 19, 2025. The data set demonstrated the laboratory's ability to achieve the reported permit quantitation limit (QL) and detection limit (DL), where applicable. See case narrative for revision information.

QC history documentation, instrument performance check (tuning) criteria, calibration, blank, surrogate, MS/MSD, LCS and internal standard requirements were met, except where noted below.

No transcription errors were observed. It is noted that for Point of Compliance (POC) wells, all sample detections at or above the DL were verified through calculations from instrument data. For Plume wells, all sample detections at or above the QL were verified through calculations from instrument data. Deviations from specific QA/QC criteria that were identified during the data review process are summarized below.

Although the laboratory was requested to report to the permit QLs and DLs, laboratory reported QLs and DLs were adjusted due to the volume used for extraction. For reporting purposes, laboratory QLs that are at or below the permit QL were expressed on the attached tables as the permit QL.

Four laboratories were contracted for semivolatile analysis in order to meet permit detection limits. Each laboratory provided required sample containers for semivolatile analysis. Sample aliquot was collected from all compliance wells and submitted to all laboratories.

For samples analyzed at ELLE (8270E/3510C):

Bis(2-Chloro-1-methylethyl)ether (a.k.a., bis (2-chloroisopropyl) ether) did not meet (recovered low) the CV standard criteria (±20%). This analyte was not detected at or above the DL or QL in any sample and associated sample results for this analyte was validated and qualified "UJ" to note this QC deficiency. N-Nitrosodimethylamine and n-nitrosomorpholine did not meet (recovered high) the continuous verification (CV) standard percent difference/drift requirement (±20%). These analytes were not detected at or above the DL or QL in any sample and no data qualification was required. The remaining CV standard criteria were met. This data validation applied to compliance wells only.

The acid fraction surrogates recovered low (≤10%) in 16WC1A and one acid fraction surrogate recovered low (<10%) in 16WDUP. The laboratory re-extracted 16WC1A and 16WDUP outside the holding time criteria, but within re-analysis holding time criteria and acid fraction surrogate recovery criteria was met. Due to holding time issues, the ELLE data was not used for these two samples. TRC requested ETAC and GEL report the acid fraction analytes for

16WC1A and 16WDUP from additional sample aliquot submitted for 8270E analysis as part of this groundwater monitoring event. The surrogates recovered within criteria and the final results for the acid fraction analytes for 16WC1A and 16WDUP were reported by ETAC and GEL (pentachlorophenol only) as discussed below.

The acid fraction surrogates recovered low in the 16WC1A and 16WC1AMS/MSD. Due to the low acid fraction surrogates in 16WC1A; these acid fraction analytes for 16WC1A, 16WC1A MS/MSD and 16WDUP were reported by ETAC and GEL (pentachlorophenol only). No data qualification was given for remaining samples analyzed and reported by ELLE. No historical matrix interference has been noted and no matrix interference was observed with the ETAC and GEL analyses.

Kepone recovered low in the LCS/LCSD associated with the re-extracted samples. The re-extracted samples were not reported, and no data qualification was required.

Dimethoate exceeded the associated relative percent difference (RPD) limit (<30) in the LCS/LCSD; however, both the LCS and LCSD recovered within acceptance criteria. Dimethoate was not reported in any sample, and no data qualification was required.

For samples analyzed at ETAC (8270E/3510C):

4-Nitroquinoline-1-oxide, p-(dimethylamino)azobenzene, famphur, and pyridine did not meet (recovered low) the CV standard criteria (±20%). These analytes were not detected at or above the DL or QL in any sample and associated sample results for these analytes were validated and qualified "UJ" to note this QC deficiency. The remaining ICV/CV standard criteria were met.

Methapyrilene and 2-picoline recovered low in the LCS and 1,4-benzenediamine (p-diaminobenzene; p-phenylene diamine) did not recover in the LCS. These analytes were not detected at or above the detection limit or QL in any sample and sample results for these analytes were validated and qualified "UJ" to note this QC deficiency. The LCS result for famphur was above the upper calibration range and the LCS recovered high. Famphur was not detected at or above the DL or QL and no data qualification was required. This applied to compliance wells only.

Pyridine exceeded the associated relative percent difference (RPD) (>35) limit in the MS/MSD; however, both the MS and MSD recovered within acceptance criteria. Pyridine was not reported in any sample, and no data qualification was required.

For samples analyzed by Enthalpy (8270E/3510C):

The reported target analyte analyzed by Enthalpy was pentachloronitrobenzene. The laboratory QA/QC criteria were met for pentachloronitrobenzene were met.

For samples analyzed at GEL (8270E/3510C):

Reported target analytes analyzed by GEL were a,a-dimethyphenethylamine, hexachlorophene, dimethyl phthalate, and di-n-octylphthalate for all the compliance samples and pentachlorophenol for samples 16WC1A and 16WDUP.

One CV for a,a-dimethyphenethylamine did not meet (recovered low) the CV standard criteria (±20%). This analyte was not detected at or above the DL or QL in any sample and associated sample results for this analyte was validated and qualified "UJ" to note this QC deficiency. The remaining

One base/neutral (B/N) surrogate recovered slightly low in 16WC1B. The remaining B/N surrogates recovered within acceptable criteria, and no data qualification was needed. Acid fraction surrogates recovered low in 16WC1B, however, no acid fraction analytes were associated with 16WC1B and no data qualification was required. It should be noted 16WC1B was re-extracted and reanalyzed outside the holding time criteria with similar results and acceptable B/N surrogate recoveries. Final results were reported from the initial analysis.

The laboratory included a,a-dimethylphenethylamine in the LCS/MS/MSD spiking mix; however, the spike added concentration was insufficient and the LCS/MS/MSD did not recover. This analyte was not detected at or above the detection limit or QL in any sample and sample results for this analyte were validated and qualified "UJ" to note the results were estimated due to the absence of precision and accuracy data. It should be noted that a,a-dimethylphenethylamine is a poor performer.

General Information:

Due to analytical limitations, 3-methylphenol and 4-methylphenol cannot be analyzed separately. 3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The results reported for 3-methylphenol and 4-methylphenol represent the combined total for both compounds.

N-Nitrosodiphenylamine decomposes during analysis to form diphenylamine. The results reported for diphenylamine represent the combined total for both compounds.

For this Appendix IX monitoring event, results for compliance wells (16C1, 16MW8, 16MW9, 16WC1A and 16WC1B) were reported to at or above the permit specified detection limit and quantitation limit, adjusted for final extraction sample volume, if applicable. The sample results unaffected by the data validation process, and not detected at or above the detection limit and/or QL, were validated and reported as "U."

For plume wells (16-2, 16-3, 16-5, 16WC2B, and 16Spring), results were reported to at or above the permit specified QL, unless noted above. The sample results unaffected by the data validation process, and not detected at or above the QL, were validated and reported as "U." For this sampling event, no target analytes were detected. No results were rejected based on the data validation criteria.

QLs were at or below the applicable groundwater protection standard (GPS). The laboratory QLs and DLs met the permit specified method detection limit (MDL) and QL unless noted.

SW-846 METHOD 8270E (GC/MS) SEMIVOLATILE ORGANIC DATA VALIDATION

Comments: *Semivolatile (a.k.a, base/neutral and acid extractables) analysis involves sample preparation using SW-846 Method 3510C or 3520C. The semivolatile extracts are concentrated through evaporation. Target analytes are separated and quantified using a capillary column gas chromatograph (GC)/mass spectrometer (MS).*

A. QC DELIVERABLES PACKAGE:

1.	Was the case narrative present/signed by a lab representative?	☑ YES ☐ NO
2.	Was the Chain of Custody present/signed by a lab representative?	☑ YES ☐ NO
3.	Were the sample results included for the sample locations?	☑ YES ☐ NO
4.	Did the data correspond to the project specific analyte list?	☑ YES ☐ NO
5.	Were target analyte QLs reported on sample summary sheets in agreement with the instrument specific MDL study?	☑ YES ☐ NO
6.	VELAP accredited?	☑ YES ☐ NO

Comments: QC deliverables package criteria were met.

B. QC HISTORY DOCUMENTATION CRITERIA:

1.	Were instrument specific detection limits provided for the analytes?	☑ YES ☐ NO
2.	Were instrument specific QLs for target analytes provided?	☑ YES ☐ NO
3.	Was calibration range specified for the target analytes?	☑ YES ☐ NO

Comments: QC history documentation criteria were met.

C. TECHNICAL HOLDING TIME AND PRESERVATION CRITERIA:

1.	Was the 7-day sample collection to extraction holding time met?	☑ YES ☐ NO
2.	Was the 40-day extraction to analysis holding time met?	☑ YES ☐ NO
3.	Were the samples received at ≤6°C?	☑ YES ☐ NO

Comments: The sample collection to extraction/analysis holding times and preservation criteria were met.

D. GC/MS INSTRUMENT PERFORMANCE CHECK CRITERIA:
(Tuning, Injection Port and Column Performance)

1.	Was analysis of the instrument performance check solution performed at the beginning of each 12-hour period of standard analysis?	☑ YES ☐ NO
2.	Was there documentation of the injection of 5-50 ng of DFTPP?	☑ YES ☐ NO
3.	Were ion abundance criteria met?	☑ YES ☐ NO
4.	Was the injection port inertness verified by analysis of 4,4'-DDT?	☑ YES ☐ NO
5.	Was the degradation of DDT to DDE and DDD <20%?	☑ YES ☐ NO
	• If no, does associated data require qualification?	☑ NA ☐ YES ☐ NO

- Was the injection port inertness check acceptable? ☑ YES ☐ NO

6. Was column performance checked through the analysis of peak tailing (<2 tailing factor) of pentachlorophenol and benzidine? ☑ YES ☐ NO
   - If no, does associated data require qualification? ☑ NA ☐ YES ☐ NO
   - Was column performance check acceptable? ☑ YES ☐ NO

Comments: Instrument performance check criteria were met.

E. INITIAL GC/MS CALIBRATION CRITERIA:

SW-846 Criteria:

1. Were the initial calibrations (ICAL) and any directly associated blanks and samples analyzed within 12-hours of the associated instrument performance (tune) check? ☑ YES ☐ NO
2. Were quantitation ions, used and listed on data, randomly checked against primary quantitation ions as required by Method and the RFP? ☑ YES ☐ NO
3. Were target analytes included in the ICAL? ☑ YES ☐ NO
4. Did the ICAL consist of a minimum of 5 calibration levels? ☑ YES ☐ NO
5. Was the lowest concentration calibration standard at or below the associated MCL, regulatory compliance, or action limit? ☑ YES ☐ NO
6. Were calibration standards dropped to meet calibration criteria? ☐ YES ☑ NO
7. Was each target analyte %RSD ≤ 20%? ☑ YES ☐ NO
8. Was the correlation coefficient or coefficient of determination >0.99 for target analytes with > 20% RSD? ☑ YES ☐ NO
   **System recalibrated if >10% analytes fail above condition*
9. Was an initial calibration verification (ICV) standard analyzed immediately following the ICAL? ☑ YES ☐ NO
10. Was the recovery within 70-130%? ☑ YES ☐ NO
11. Was the ICV standard prepared from a different source from the ICAL? ☑ YES ☐ NO

Method Validation Performance Criteria:

1. Did target analytes and surrogates that have RSDs > 20% have ≥0.99 correlation coefficient or coefficient of determination? ☑ YES ☐ NO
2. For linear regression curves, was the recalculated concentration of the low calibration point within ±30/50%? ☑ YES ☐ NO
3. For quadratic curves, was a minimum six standards used? ☐ YES ☐ NO

Comments: Initial calibration criteria were met.

F. CALIBRATION VERIFICATION CRITERIA:

SW-846 Criteria:

1. Was a calibration verification analyzed at the beginning of each 12-hour period following the analysis of the instrument performance check and prior to analysis of the method blank and samples? The calibration verification may be part of the ICAL or analyzed independently during another 12-hour analysis period. ☑ YES ☐ NO

2. Were Method minimum Relative Response Factor (RRF) criteria met? ☑ YES ☐ NO
3. Did the target analytes and system monitoring analytes (surrogates) have the % D within ± 20%? ☐ YES ☑ NO

If criteria not met for more than 20% of analytes in the initial calibration, then corrective action must be taken prior to the analysis of samples.

Report non-detects with qualification. Qualify any detects as estimated. If analyte failed high, qualify any detects as estimated. Non-detects will not need to be qualified.

TRC Engineers Contractual Requirements:

1. Did the target analytes and system monitoring analytes (surrogates) have % Ds within ± 20%? ☐ YES ☑ NO

Comments: The CV standard criteria were met except as noted above.

G. BLANK CRITERIA:

1. Was a method/extraction blank analyzed on each GC/MS system used for sample analysis? ☑ YES ☐ NO
2. Was a trip blank analyzed with this sample batch? ☑ NA ☐ YES ☐ NO
3. Were the blank samples interference free? ☑ YES ☐ NO
4. Was the level of blank contamination > 5% of the MCL? ☑ NA ☐ YES ☐ NO
5. List target analytes detected in the blanks: *None*

Comments: Blank criteria were met.

H. SURROGATE CRITERIA:

1. Were the following surrogates used? ☑ YES ☐ NO
   - phenol – d_5 (10%-120%)
   - 2-fluorophenol (10%-120%)
   - 2,4,6-tribromophenol (10%-150%)
   - nitrobenzene – d_5 (43%-108%)
   - 2-fluorobiphenyl (43%-116%)
   - p-terphenyl - d_{14} (33%-141%)
2. Were recoveries within the specified ranges? *See comment*
3. Were any two base/neutral or acid surrogates out of specification or did any one base/neutral or acid extractable surrogates have a recovery of less than 10%? ☑ YES ☐ NO
   If yes, was a re-extraction and reanalysis performed to confirm that the non-compliance was due to sample matrix effects rather than laboratory deficiencies? *See comment*

Comments: Surrogate recovery criteria were met except where noted above. Laboratory control limits were used for acceptance criteria.

I. MATRIX SPIKE/ MATRIX SPIKE DUPLICATE (MS/MSD) CRITERIA:

(MS/MSD Requirements - CLP Guidelines)

Analyte	% R Water	% RPD Water
Phenol	12-110	42
2-Chlorophenol	27-123	40
N-Nitroso-di-n-propylamine	41-116	38
4-Chloro-3-methylphenol	23-97	42
Acenaphthene	46-118	31
4-Nitrophenol	10-80	50
2,4-Dinitrotoluene	24-96	38
Pyrene	26-127	31

1. Was a MS/MSD analyzed per sample batch or every 20 samples, whichever may occur first? ☑ YES ☐ NO
2. Did the MS/MSD spike contain additional target analytes? ☑ YES ☐ NO
3. Was the MS/MSD analyzed on the specific project matrix? ☑ YES ☐ NO
4. List MS/MSD target analytes not within laboratory recovery ranges:
   See semivolatile certificate of analysis
5. Was an LCS analyzed to address failed MS spike criteria? ☑ YES ☐ NO
6. Did the LCS for the failed MS analyte(s) fall within the recovery ranges and was the problem identified as matrix interference? See comment
7. Were analytes qualified as estimated due to MS/MSD criteria? ☑ YES ☐ NO
   - If yes, and the LCS for the analyte(s) recovered within control limits, matrix interference is suspected.

Comments: MS/MSD criteria were met, except where noted above.

J. LABORATORY CONTROL SAMPLE (LCS) CRITERIA:

1. Was a LCS included in the sample analysis? ☑ YES ☐ NO
2. Did the LCS contain the required target analytes? See comment
3. List the LCS target analytes and laboratory recovery range.
   See semivolatile certificate of analysis.
4. Were any analytes qualified as estimated due to LCS criteria? ☑ YES ☐ NO

Comments: LCS criteria were met, except where noted above.

K. INTERNAL STANDARDS CRITERIA:

1. Were the following internal standards (IS) used? ☑ YES ☐ NO
   - 1,4-Dichlorobenzene-d_4
   - Naphthalene-d_8
   - Acenapththene-d_{10}
   - Phenanthrene-d_{10}
   - Pyrene-d_{10} (Chrysene-d_{12}-TestAmerica)
   - Perylene-d_{12}

2. Were the IS areas within ± 50% of last CV? ☑ YES ☐ NO
3. Were the IS RTs within ± 30 seconds of last CV? ☑ YES ☐ NO

Comments: Internal standard criteria were met.

L. TARGET ANALYTE IDENTIFICATION:

1. Were the RRTs of the reported analytes within ± 0.06 RRT units of the standard RRT? ☑ NA ☐ YES ☐ NO
2. Check the sample spectra against the laboratory standard spectra to see that the following criteria were met: ☑ NA ☐ YES ☐ NO
   * Did characteristic ions maximize in the same scan or within one scan of each other?
   * Were the characteristic ions present in the standard spectra present in the sample spectra for analytes detected above the QL?
   * Were the relative ion intensities between the standard and sample spectra within ± 30%?
3. Were the reported analytes confirmed? ☑ NA ☐ YES ☐ NO

Comments: Target analyte identification criteria were met. No target analytes were detected at or above the detection limit or permit QL (compliance samples) or the permit QL (plume samples).

M. TARGET ANALYTE QUANTITATION:

* If the %RSD of an analyte was 20% or less, then the average relative response factor should have been used for quantitation.
* If the %RSD of an analyte was greater than 20%, then the quantitation should be based on a calibration curve using the first or higher order regression fit of the five calibration points (6 calibration points for 2nd order).

1. List the analytes detected above the QL whose %RSD was >20%: *None*
   a. Was quantitation based on a linear regression fit? ☑ NA ☐ YES ☐ NO
   b. Was the curve forced through the origin? ☑ NA ☐ YES ☐ NO
2. Did the initial analysis of any sample have a concentration of a target analyte that exceeded the initial calibration range? ☐ YES ☑ NO
   -If so, was the sample reanalyzed at a higher dilution? ☑ NA ☐ YES ☐ NO
3. Were the analyte concentrations that were recorded on the raw sample quantitation reports accurately transferred to the sample summary sheets? ☑ YES ☐ NO

Comments: Target analyte quantitation criteria were met. No target analytes were detected at or above the detection limit or permit QL (compliance samples) or the permit QL (plume samples).

N. CORRECTIVE ACTION TAKEN AND GENERAL COMMENTS:

Comments: The initial demonstration of capability (IDOCs) for analysts RN6U, W6ZA, MRU, and BMS are maintained and kept on file at the respective laboratories. No corrective action was taken.

REFERENCES:

TRC Engineers, Inc. (TRC) conducted data validation of the above noted data set using summary tables and instrument data provided by the analyzing laboratory. Data were evaluated in general accordance with SW-846 Method requirements (Test Methods for Evaluating Solid Wastes - Physical and Chemical Methods, USEPA SW-846, 3rd edition - Final Update I, II/IIA, III and subsequent updates) and CLP data validation guidelines (USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review, November 2020, where applicable). Where QA/QC criteria differed, the analytical method acceptance criteria were used. Additionally, laboratory specific acceptance criteria and/or historical program acceptance criteria were used when no other acceptance criteria were available. Validation of this data set is limited to the items detailed in this report.

LIMITATIONS:

TRC Engineers Inc. (TRC) prepared this document (which may include drawings, specifications, reports, studies, and attachments) in accordance with the agreement between TRC and BAE SYSTEMS, Ordnance Systems, Inc. The standard of care for all professional engineering, environmental and surveying and related services performed or furnished by TRC under this Agreement are the care and skill ordinarily used by members of these professions practicing under similar circumstances at the same time and in the same locality. TRC makes no warranties, express or implied, under this Agreement in connection with TRC's services. Conclusions presented are based upon a review of available information, the results of our field studies, and/or professional judgment. To the best of our knowledge, information provided by others is true and accurate, unless otherwise noted. TRC's liability, hereunder, shall be limited to amounts due TRC for services actually rendered, or reimbursable expenses actually incurred. Any reuse or modification of any of the aforementioned documents (whether hard copies or electronic transmittals) prepared by TRC without written verification or adaptation by TRC will be at the sole risk of the individual or entity utilizing said documents and such use is without the authorization of TRC. TRC shall have no legal liability resulting from any and all claims, damages, losses, and expenses, including attorney's fees arising out of the unauthorized reuse or modification of these documents. Client shall indemnify TRC from any claims arising out of unauthorized use or modification of the documents whether hard copy or electronic.

♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦

This Report has been prepared by:

_____ 9/25/2025
Kathy Olsen, Project Environmental Scientist III Date:
2200 South Main Street, Suite A, Blacksburg, Virginia 24060
540-552-0444; kolsen@trccompanies.com, www.trccompanies.com

This Report has been subjected to technical and quality review by:

_____ 10/29/2025
Kim Altizer, Project Environmental Scientist III Date:
2200 South Main Street, Suite A, Blacksburg, Virginia 24060
540-552-0444; kaltizer@trccompanies.com, www.trccompanies.com

SW-846 METHOD 9012B DATA REVIEW SUMMARY

TRC Engineers, Inc. (TRC) performed a comprehensive manual review of the analytical results for the July 29-30, 2025 groundwater monitoring event at Hazardous Waste Management Unit 16 (HWMU 16) located at the Radford Army Ammunition Plant (RFAAP), Radford, Virginia. TRC collected groundwater samples from monitoring wells 16C1, 16MW8, 16MW9, 16WC1A, and 16WC1B. Sample 16WDUP was submitted to the laboratory as a blind field sample duplicate for 16WC1A.

The samples were analyzed for cyanide by SW-846 Method 9012B. The following information and attached table summarize the cyanide data validation results. Validation of other required methods is presented on separate reports.

TRC, of Blacksburg, Virginia, sent samples to Eurofins Lancaster Laboratories Environmental, (ELLE), of Lancaster Pennsylvania. On behalf of RFAAP, ELLE submitted results to TRC in a final certificate of analysis, which included sample analytical results, as well as relevant documentation to validate and verify the results. ELLE is accredited under the Virginia Environmental Laboratory Accreditation Program (VELAP) for the above analyte, method, and matrix.

The evaluation of ELLE's compliance with the method and validation of results presented here are based upon a review of quality assurance/quality control (QA/QC) information including chain-of-custody, case narrative, holding time, preservation procedures, instrument calibration, blank (method, calibration, and other blanks), matrix spike/matrix spike duplicate (MS/MSD), laboratory control sample (LCS), internal standard, and serial dilution data. A review of transcriptions from instrument data to sample summary sheets was performed. Calculation verifications were performed on all reported sample detections and on ten percent of the QA data, where applicable. The following information is intended to summarize data review results and any observed significant deviations from method and/or contractual requirements.

ELLE received the samples in good condition with custody seals intact. Technical holding time and preservation criteria were met. The chain of custody was appropriately signed and dated by field and laboratory personnel. For sample 16C1 and 16MW9, the number of containers listed on the COC did not match what the laboratory received; however, the number of containers received was sufficient for the required analysis and no additional action was required.

The certificates of analysis (COAs) appeared complete in its presentation and the data were of acceptable quality. The final COA (revised) was received on September 19, 2025. The data set demonstrated the laboratory's ability to achieve the reported permit quantitation limit (QL) and detection limit (DL), where applicable. See case narrative for revision information.

QC history documentation, holding time, sample preservation, instrument calibration and calibration verification criteria were met. Blank, MS/MSD, and LCS samples were analyzed as required and results were within control limits, unless noted below. The blanks were interference free. Deviations from QA/QC control limits that were identified during the data review process are summarized below.

The laboratory noted sample 16WC1A and additional aliquot collected from 16WC1A for project specific MS/MSD (i.e., 16WC1A MS/MSD) contained residual chlorine, which was treated and removed prior to preparation and analysis.

Cyanide recovered low in the MS/MSD for sample 16WC1A. Sample 16WC1A was validated and qualified as estimated, "J" to note this QC deficiency. MS/MSD was also performed on samples 16C1 and 16MW8 and the MS/MSD criteria were met. No data qualification was required for the remaining samples.

Field duplicate/sample results exhibited acceptable precision, where applicable.

The laboratory QLs and DL met the permit specified method detection limit (MDL) and QL unless specified.

Cyanide was not detected at or above the permit detection limit or permit QL in any sample and cyanide sample results were validated and reported as "U", unless qualified as noted above. No results were rejected for this sampling event based on data validation criteria.

INORGANIC DATA EVALUATION FOR CYANIDE BY SW-846 METHOD 9012B

Eurofins Lancaster Laboratories Environmental, Lancaster, PA; Job ID: 410-234898-1 Rev 1
Preparation Method: 9012B

☑ - denotes items reviewed. See Data Validation Summary for additional comments.

A. QC DOCUMENTATION CRITERIA:
- ☑ Specific detection limit for target analyte
- ☑ Specific QLs for target analyte
- ☑ VELAP accredited
- ☑ IDOC for analysts kept on file at the laboratory

B. METHOD INFORMATION DOCUMENTATION:
- ☑ Cyanide analyzed by requested method

C. TECHNICAL HOLDING TIME / PRESERVATION REQUIREMENTS:
- ☑ 14 day holding time
- ☑ Cool ≤6° C
- ☑ Adjust pH >12 w/ NaOH

D. INSTRUMENT CALIBRATION CRITERIA:
- ☑ 1 calibration blank and at least 3 standards; correlation coefficient ≥ 0.995

E. INITIAL / CONTINUING CALIBRATION VALIDATION CRITERIA:
- ☑ ICV, recovery 85-115%
- ☑ 10 sample frequency for CCV, recovery 85-115%

F. BLANK SAMPLE CRITERIA:
- ☑ Interference free
- ☑ ICB, then 10 sample frequency for CCB
- ☑ One preparation blank per sample batch

G. MATRIX SPIKE DUPLICATE (MSD) SAMPLE CRITERIA:
- ☑ One MSD or sample duplicate for every 20 samples
- ☑ RPD ≤20 between MS and MSD or sample and duplicate results
- ☑ Recovery 75-125% for MSD

H. MATRIX SPIKE (MS) SAMPLE CRITERIA:
- ☑ One MS sample for every 20 samples
- ☑ MS recovered within 75-125%
- ☑ Spike added prior to distillation

I. LABORATORY CONTROL SAMPLE (LCS) SAMPLE CRITERIA:

- ☑ One LCS sample for every 20 samples
- ☑ LCS recovered within 80-120%
- ☑ Spike added prior to distillation

J. SAMPLE RESULTS CRITERIA:

- ☑ Sample results reported within calibration range
- ☑ Sample results reported to the permit detection limit

REFERENCES:

TRC Engineers, Inc. (TRC) conducted data validation of the above noted data set using the data package provided by the analyzing laboratory. Data evaluation was conducted using SW-846 (Test Methods for Evaluating Solid Waste-Physical/Chemical Methods, USEPA, SW-846, 3rd Edition-Final Update I, II/IIA, III, and subsequent updates) method requirements and CLP data validation guidelines (USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020, where applicable). Validation of this data set is limited to review of items detailed in this data review report. Additionally, laboratory specific acceptance criteria and/or historical program acceptance criteria were used when no other acceptance criteria were available. Validation of this data set is limited to the items detailed in this report.

LIMITATIONS:

TRC prepared this document (which may include drawings, specifications, reports, studies, and attachments) in accordance with the agreement between TRC and BAE Systems, Ordnance Systems, Inc.

The standard of care for all professional engineering, environmental and surveying and related services performed or furnished by TRC under this Agreement are the care and skill ordinarily used by members of these professions practicing under similar circumstances at the same time and in the same locality. TRC makes no warranties, express or implied, under this Agreement in connection with TRC services.

Conclusions presented are based upon a review of available information, the results of our field studies, and/or professional judgment. To the best of our knowledge, information provided by others is true and accurate, unless otherwise noted. TRC liability, hereunder, shall be limited to amounts due TRC for services actually rendered, or reimbursable expenses actually incurred. Any reuse or modification of any of the aforementioned documents (whether hard copies or electronic transmittals) prepared by TRC without written verification or adaptation by TRC will be at the sole risk of the individual or entity utilizing said documents and such use is without the authorization of TRC. TRC shall have no legal liability resulting from any and all claims, damages, losses, and expenses, including attorney's fees arising out of the unauthorized reuse or modification of these documents. Client shall indemnify TRC from any claims arising out of unauthorized use or modification of the documents whether hard copy or electronic.

♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦

This Report has been prepared by:

_____ _____9/25/2025_____
Kathy Olsen, Project Environmental Scientist III Date:
2206 South Main Street, Suite A, Blacksburg, Virginia 24060
540-552-0444; kolsen@trccompanies.com, www.trccompanies.com

This Report has been subjected to technical and quality review by:

_____ ____10/29/2025_____
Kim Altizer, Project Environmental Scientist III Date:
2200 South Main Street, Suite A, Blacksburg, Virginia 24060
540-552-0444, kaltizer@trccompanies.com, www.trccompanies.com

Comprehensive Data Validation Report

Radford Army Ammunition Plant (RFAAP), Radford, Virginia

Sample/Blind Field Duplicate Results Greater Than the Quantitation Limit

Facility: **HWMU-16** Monitoring Event: **Third Quarter 2025**

Analyte	Sample ID	Laboratory Result (ug/L)	Q	Validated Result (ug/L)	Q	QL (ug/L)	Validation Notes
Method: **6020B**							
Laboratory: ***ELLE, Lancaster, PA***							
Barium	16WC1A	366		366		10	No action taken.
	16WDUP	383		383		10	No action taken. Blind field duplicate of 16WC1A. RPD 4.5.
Cobalt	16WC1A	11		11		5	No action taken.
	16WDUP	11.7		11.7		5	No action taken. Blind field duplicate of 16WC1A. RPD 6.2.
Nickel	16WC1A	10		10		10	No action taken.
	16WDUP	10.4		10.4		10	No action taken. Blind field duplicate of 16WC1A. RPD 3.9.
Method: **8260D**							
Laboratory: ***ELLE, Lancaster, PA***							
Chloroethane	16WC1A	1.53		1.53		1	No action taken.
	16WDUP	1.51		1.51		1	No action taken. Blind field duplicate of 16WC1A. RPD 1.32
1,1-Dichloroethane	16WC1A	2.44		2.44		1	No action taken.
	16WDUP	2.38		2.38		1	No action taken. Blind field duplicate of 16WC1A. RPD 2.49
Diethyl ether	16WC1A	21.8		21.8		10	No action taken.
	16WDUP	19.4		19.4		10	No action taken. Blind field duplicate of 16WC1A. RPD 11.6

Definitions:

Data Validation Qualifiers:

QL Denotes permit quantitation limit. **Q** Denotes data qualifier.

J Denotes analyte reported at or above quantitation limit and associated result is estimated.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF GENERAL SERVICES
DIVISION OF CONSOLIDATED LABORATORY SERVICES

Certifies that

VA Laboratory ID#: 460182
Eurofins Lancaster Laboratories Environment Testing, LLC

2425 New Holland Pike
Lancaster, PA 17601

Owner: EUROFINS LANCASTER LABORATORIES ENVIRONMENT TESTING, LLC
Responsible Official: RICHARD KARAM

Having met the requirements of 1 VAC 30-46 and
having been found compliant with the 2016 TNI Standard approved by The NELAC Institute
is hereby approved as an

Accredited Environmental Laboratory

As more fully described in the attached Scope of Accreditation

Effective Date: **July 21, 2025**
Expiration Date: **June 14, 2026**
Certificate # 13605

Denise M. Toney, Ph.D., HCLD
DGS Deputy Director for Laboratories

Continued accreditation status depends on successful ongoing participation in the program.
Certificate to be conspicuously displayed at the laboratory.
Not valid unless accompanied by a valid Virginia Environmental Laboratory Accreditation Program (VELAP) Scope of Accreditation.
Customers are urged to verify the laboratory's current accreditation status.

Certificate Not Transferable

Surrender Upon Revocation

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

AIR

METHOD	ANALYTE	PRIMARY
EPA 18	TOTAL GASEOUS ORGANIC COMPOUNDS	LA DEQ
EPA TO-15 2nd Ed.	1,1,1-TRICHLOROETHANE	LA DEQ
EPA TO-15 2nd Ed.	1,1,2-TRICHLORO-1,2,2-TRIFLUORO ETHANE (FREON 113)	LA DEQ
EPA TO-15 2nd Ed.	1,1-DICHLOROETHANE	LA DEQ
EPA TO-15 2nd Ed.	1,2,4-TRICHLOROBENZENE	LA DEQ
EPA TO-15 2nd Ed.	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	LA DEQ
EPA TO-15 2nd Ed.	1,2-DICHLORO-1,1,2,2-TETRAFLUOR OETHANE (FREON-114)	LA DEQ
EPA TO-15 2nd Ed.	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	LA DEQ
EPA TO-15 2nd Ed.	1,3,5-TRIMETHYLBENZENE	LA DEQ
EPA TO-15 2nd Ed.	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	LA DEQ
EPA TO-15 2nd Ed.	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	LA DEQ
EPA TO-15 2nd Ed.	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	LA DEQ
EPA TO-15 2nd Ed.	ACROLEIN (PROPENAL)	LA DEQ
EPA TO-15 2nd Ed.	ALLYL CHLORIDE (3-CHLOROPROPENE)	LA DEQ
EPA TO-15 2nd Ed.	BENZYL CHLORIDE	LA DEQ
EPA TO-15 2nd Ed.	BROMOFORM	LA DEQ
EPA TO-15 2nd Ed.	CARBON TETRACHLORIDE	LA DEQ
EPA TO-15 2nd Ed.	CHLORODIBROMOMETHANE	LA DEQ
EPA TO-15 2nd Ed.	CHLOROFORM	LA DEQ
EPA TO-15 2nd Ed.	CIS-1,3-DICHLOROPROPENE	LA DEQ
EPA TO-15 2nd Ed.	DICHLORODIFLUOROMETHANE (FREON-12)	LA DEQ
EPA TO-15 2nd Ed.	ETHYL ACRYLATE	LA DEQ
EPA TO-15 2nd Ed.	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	LA DEQ
EPA TO-15 2nd Ed.	IODOMETHANE (METHYL IODIDE)	LA DEQ
EPA TO-15 2nd Ed.	M+P-XYLENE	LA DEQ
EPA TO-15 2nd Ed.	METHYL CHLORIDE (CHLOROMETHANE)	LA DEQ
EPA TO-15 2nd Ed.	METHYL TERT-BUTYL ETHER (MTBE)	LA DEQ
EPA TO-15 2nd Ed.	N-HEPTANE	LA DEQ
EPA TO-15 2nd Ed.	O-XYLENE	LA DEQ
EPA TO-15 2nd Ed.	STYRENE	LA DEQ

METHOD	ANALYTE	PRIMARY
EPA 25	TOTAL GASEOUS NONMETHANE ORGANIC COMPOUNDS (TGNMO)	LA DEQ
EPA TO-15 2nd Ed.	1,1,2,2-TETRACHLOROETHANE	LA DEQ
EPA TO-15 2nd Ed.	1,1,2-TRICHLOROETHANE	LA DEQ
EPA TO-15 2nd Ed.	1,1-DICHLOROETHYLENE	LA DEQ
EPA TO-15 2nd Ed.	1,2,4-TRIMETHYLBENZENE	LA DEQ
EPA TO-15 2nd Ed.	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	LA DEQ
EPA TO-15 2nd Ed.	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	LA DEQ
EPA TO-15 2nd Ed.	1,2-DICHLOROPROPANE	LA DEQ
EPA TO-15 2nd Ed.	1,3-BUTADIENE	LA DEQ
EPA TO-15 2nd Ed.	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	LA DEQ
EPA TO-15 2nd Ed.	2-BUTANONE (METHYL ETHYL KETONE, MEK)	LA DEQ
EPA TO-15 2nd Ed.	ACETONITRILE	LA DEQ
EPA TO-15 2nd Ed.	ACRYLONITRILE	LA DEQ
EPA TO-15 2nd Ed.	BENZENE	LA DEQ
EPA TO-15 2nd Ed.	BROMODICHLOROMETHANE	LA DEQ
EPA TO-15 2nd Ed.	CARBON DISULFIDE	LA DEQ
EPA TO-15 2nd Ed.	CHLOROBENZENE	LA DEQ
EPA TO-15 2nd Ed.	CHLOROETHANE (ETHYL CHLORIDE)	LA DEQ
EPA TO-15 2nd Ed.	CIS-1,2-DICHLOROETHYLENE	LA DEQ
EPA TO-15 2nd Ed.	CYCLOHEXANE	LA DEQ
EPA TO-15 2nd Ed.	ETHYL ACETATE	LA DEQ
EPA TO-15 2nd Ed.	ETHYLBENZENE	LA DEQ
EPA TO-15 2nd Ed.	HEXACHLOROETHANE	LA DEQ
EPA TO-15 2nd Ed.	ISOPROPYLBENZENE	LA DEQ
EPA TO-15 2nd Ed.	METHYL BROMIDE (BROMOMETHANE)	LA DEQ
EPA TO-15 2nd Ed.	METHYL METHACRYLATE	LA DEQ
EPA TO-15 2nd Ed.	METHYLENE CHLORIDE (DICHLOROMETHANE)	LA DEQ
EPA TO-15 2nd Ed.	N-HEXANE	LA DEQ
EPA TO-15 2nd Ed.	PROPYLENE (PROPENE)	LA DEQ

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

AIR

METHOD	ANALYTE	PRIMARY
EPA TO-15 2nd Ed.	TETRACHLOROETHENE (PERCHLOROETHENE)	LA DEQ
EPA TO-15 2nd Ed.	TOLUENE	LA DEQ
EPA TO-15 2nd Ed.	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	LA DEQ
EPA TO-15 2nd Ed.	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	LA DEQ
EPA TO-15 2nd Ed.	VINYL BROMIDE (BROMOETHENE)	LA DEQ
EPA TO-15 2nd Ed.	XYLENE (TOTAL)	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	2-CHLOROTOLUENE	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	4-ETHYLTOLUENE	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	ACETONE	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	DI-ISOPROPYLETHER (DIPE, ISOPROPYL ETHER)	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	ETHANOL	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	ISOOCTANE (2,2,4-TRIMETHYLPENTANE)	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	N-BUTYLBENZENE	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	N-PENTANE	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	NAPHTHALENE	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	TERT-AMYL METHYL ETHER (TAME)	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	TERT-BUTYLBENZENE	LA DEQ
EPA TO-15 2nd Ed.	TETRAHYDROFURAN (THF)	LA DEQ
EPA TO-15 2nd Ed.	TRANS-1,2-DICHLOROETHENE	LA DEQ
EPA TO-15 2nd Ed.	TRICHLOROETHENE (TRICHLOROETHYLENE)	LA DEQ
EPA TO-15 2nd Ed.	VINYL ACETATE	LA DEQ
EPA TO-15 2nd Ed.	VINYL CHLORIDE (CHLOROETHENE)	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	1,1,1,2-TETRACHLOROETHANE	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	2-HEXANONE	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	4-ISOPROPYLTOLUENE (P-CYMENE, P-ISOPROPYLTOLUENE)	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	CHLORODIFLUOROMETHANE (FREON-22)	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	DICHLOROFLUOROMETHANE (FREON 21)	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	ETHYL-T-BUTYLETHER (2-ETHOXY-2-METHYLPROPANE, ETBE)	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	ISOPROPYL ALCOHOL (2-PROPANOL, ISOPROPANOL)	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	N-OCTANE	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	N-PROPYLBENZENE	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	SEC-BUTYLBENZENE	LA DEQ
EPA TO-15 2nd Ed. - EXTENDED	TERT-BUTYL ALCOHOL (2-METHYL-2-PROPANOL)	LA DEQ

DRINKING WATER

METHOD	ANALYTE	PRIMARY
EPA 1613 B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (2,3,7,8-TCDD)	PA
EPA 200.7 REV 4.4	BARIUM	PA
EPA 200.7 REV 4.4	CHROMIUM	PA
EPA 200.7 REV 4.4	IRON	PA
EPA 200.7 REV 4.4	MANGANESE	PA
EPA 200.7 REV 4.4	SILVER	PA
EPA 200.7 REV 4.4	ZINC	PA
EPA 200.8 REV 5.4	ANTIMONY	PA
EPA 180.1 REV 2	TURBIDITY	PA
EPA 200.7 REV 4.4	CALCIUM	PA
EPA 200.7 REV 4.4	COPPER	PA
EPA 200.7 REV 4.4	MAGNESIUM	PA
EPA 200.7 REV 4.4	NICKEL	PA
EPA 200.7 REV 4.4	SODIUM	PA
EPA 200.8 REV 5.4	ALUMINUM	PA
EPA 200.8 REV 5.4	ARSENIC	PA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

DRINKING WATER

METHOD	ANALYTE	PRIMARY
EPA 200.8 REV 5.4	BARIUM	PA
EPA 200.8 REV 5.4	CADMIUM	PA
EPA 200.8 REV 5.4	COPPER	PA
EPA 200.8 REV 5.4	LEAD	PA
EPA 200.8 REV 5.4	NICKEL	PA
EPA 200.8 REV 5.4	SODIUM	PA
EPA 200.8 REV 5.4	ZINC	PA
EPA 300.0 REV 2.1	CHLORIDE	PA
EPA 300.0 REV 2.1	NITRATE AS N	PA
EPA 300.0 REV 2.1	SULFATE	PA
EPA 353.2 REV 2	NITRATE AS N	PA
EPA 353.2 REV 2	NITRITE AS N	PA
EPA 524.2 REV 4.1	1,1,2-TRICHLOROETHANE	PA
EPA 524.2 REV 4.1	1,2,4-TRICHLOROBENZENE	PA
EPA 524.2 REV 4.1	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	PA
EPA 524.2 REV 4.1	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	PA
EPA 524.2 REV 4.1	BROMODICHLOROMETHANE	PA
EPA 524.2 REV 4.1	CARBON TETRACHLORIDE	PA
EPA 524.2 REV 4.1	CHLORODIBROMOMETHANE	PA
EPA 524.2 REV 4.1	CIS-1,2-DICHLOROETHYLENE	PA
EPA 524.2 REV 4.1	METHYLENE CHLORIDE (DICHLOROMETHANE)	PA
EPA 524.2 REV 4.1	TETRACHLOROETHENE (PERCHLOROETHENE)	PA
EPA 524.2 REV 4.1	TOTAL TRIHALOMETHANES (TTHMS)	PA
EPA 524.2 REV 4.1	TRICHLOROETHENE (TRICHLOROETHYLENE)	PA
EPA 524.2 REV 4.1	XYLENE (TOTAL)	PA
EPA 531.1 REV 3.1	OXAMYL	PA
EPA 533	PERFLUORO-1-BUTANESULFONIC ACID (PFBS)	PA
EPA 533	PERFLUORO-1-OCTANESULFONIC ACID (PFOS)	PA
EPA 533	PERFLUOROOCTANOIC ACID (PFOA)	PA
EPA 537.1 REV 2	PERFLUORO-1-BUTANESULFONIC ACID (PFBS)	PA
EPA 537.1 REV 2	PERFLUORO-1-OCTANESULFONIC ACID (PFOS)	PA

METHOD	ANALYTE	PRIMARY
EPA 200.8 REV 5.4	BERYLLIUM	PA
EPA 200.8 REV 5.4	CHROMIUM	PA
EPA 200.8 REV 5.4	IRON	PA
EPA 200.8 REV 5.4	MANGANESE	PA
EPA 200.8 REV 5.4	SELENIUM	PA
EPA 200.8 REV 5.4	THALLIUM	PA
EPA 245.1 REV 3	MERCURY	PA
EPA 300.0 REV 2.1	FLUORIDE	PA
EPA 300.0 REV 2.1	NITRITE AS N	PA
EPA 335.4 REV 1.0	CYANIDE	PA
EPA 353.2 REV 2	NITRATE-NITRITE AS N	PA
EPA 524.2 REV 4.1	1,1,1-TRICHLOROETHANE	PA
EPA 524.2 REV 4.1	1,1-DICHLOROETHYLENE	PA
EPA 524.2 REV 4.1	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	PA
EPA 524.2 REV 4.1	1,2-DICHLOROPROPANE	PA
EPA 524.2 REV 4.1	BENZENE	PA
EPA 524.2 REV 4.1	BROMOFORM	PA
EPA 524.2 REV 4.1	CHLOROBENZENE	PA
EPA 524.2 REV 4.1	CHLOROFORM	PA
EPA 524.2 REV 4.1	ETHYLBENZENE	PA
EPA 524.2 REV 4.1	STYRENE	PA
EPA 524.2 REV 4.1	TOLUENE	PA
EPA 524.2 REV 4.1	TRANS-1,2-DICHLOROETHENE	PA
EPA 524.2 REV 4.1	VINYL CHLORIDE (CHLOROETHENE)	PA
EPA 531.1 REV 3.1	CARBOFURAN (FURADEN)	PA
EPA 533	HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA, GENX)	PA
EPA 533	PERFLUORO-1-HEXANESULFONIC ACID (PFHXS)	PA
EPA 533	PERFLUORONONANOIC ACID (PFNA)	PA
EPA 537.1 REV 2	HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA, GENX)	PA
EPA 537.1 REV 2	PERFLUORO-1-HEXANESULFONIC ACID (PFHXS)	PA
EPA 537.1 REV 2	PERFLUORONONANOIC ACID (PFNA)	PA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

DRINKING WATER

METHOD	ANALYTE	PRIMARY
EPA 537.1 REV 2	PERFLUOROOCTANOIC ACID (PFOA)	PA
SM 2120 B-2021	COLOR	PA
SM 2320 B-2021	ALKALINITY AS CACO3	PA
SM 2540 C-2020	RESIDUE-FILTERABLE (TDS)	PA
SM 4500-H+ B-2021	PH	PA
SM 4500-SIO2 C-2021	SILICA AS SIO2	PA
SM 5310 C-2014	TOTAL ORGANIC CARBON (TOC)	PA
OIA-1677, DW	CYANIDE	PA
SM 2130 B-2020	TURBIDITY	PA
SM 2510 B-2021	CONDUCTIVITY	PA
SM 4500-F⁻ C-2021	FLUORIDE	PA
SM 4500-P E-2021	ORTHOPHOSPHATE AS P	PA
SM 5310 C-2014	DISSOLVED ORGANIC CARBON (DOC)	PA
SM 5540 C-2021	SURFACTANTS - MBAS	PA

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 1010 A	FLASHPOINT	PA
EPA 1311	PREP: TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)	PA
EPA 1613 B	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN (OCDD)	PA
EPA 1613 B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN (1,2,3,4,6,7,8-HPCDD)	PA
EPA 1613 B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN (1,2,3,4,7,8,9-HPCDF)	PA
EPA 1613 B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN (1,2,3,4,7,8-HXCDF)	PA
EPA 1613 B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN (1,2,3,6,7,8-HXCDF)	PA
EPA 1613 B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN (1,2,3,7,8,9-HXCDF)	PA
EPA 1613 B	1,2,3,7,8-PENTACHLORODIBENZOFURAN (1,2,3,7,8-PECDF)	PA
EPA 1613 B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	PA
EPA 1613 B	2,3,7,8-TETRACHLORODIBENZOFURAN (2,3,7,8-TCDF)	PA
EPA 1613 B	TOTAL HEPTACHLORODIBENZOFURAN (HPCDF, TOTAL)	PA
EPA 1613 B	TOTAL HEXACHLORODIBENZOFURAN (HXCDF, TOTAL)	PA
EPA 1613 B	TOTAL PENTACHLORODIBENZOFURAN (PECDF, TOTAL)	PA
EPA 1613 B	TOTAL TETRACHLORODIBENZOFURAN (TCDF, TOTAL)	PA
EPA 1010 B	FLASHPOINT	PA
EPA 1312	PREP: SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP)	PA
EPA 1613 B	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN (OCDF)	PA
EPA 1613 B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN (1,2,3,4,6,7,8-HPCDF)	PA
EPA 1613 B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN (1,2,3,4,7,8-HXCDD)	PA
EPA 1613 B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN(1,2,3,6,7,8-HXCDD)	PA
EPA 1613 B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN (1,2,3,7,8,9-HXCDD)	PA
EPA 1613 B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN (1,2,3,7,8-PECDD)	PA
EPA 1613 B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN (2,3,4,6,7,8-HXCDF)	PA
EPA 1613 B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (2,3,7,8-TCDD)	PA
EPA 1613 B	TOTAL HEPTACHLORODIBENZO-P-DIOXIN (HPCDD, TOTAL)	PA
EPA 1613 B	TOTAL HEXACHLORODIBENZO-P-DIOXIN (HXCDD, TOTAL)	PA
EPA 1613 B	TOTAL PENTACHLORODIBENZO-P-DIOXIN (PECDD, TOTAL)	PA
EPA 1613 B	TOTAL TETRACHLORODIBENZO-P-DIOXIN (TCDD, TOTAL)	PA
EPA 1621	ADSORBABLE ORGANOFLUORINE (AOF) AS FLUORIDE	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 1633A	11-CHLOROEICOSAFLUORO-3-OXA UNDECANE-1-SULFONIC ACID (11CL-PF3OUDS)	PA
EPA 1633A	1H, 1H, 2H, 2H-PERFLUOROHEXANE SULFONIC ACID (4:2 FTS)	PA
EPA 1633A	2H,2H,3H,3H-PERFLUOROOCTANOI C ACID (5:3 FTCA)	PA
EPA 1633A	3-PERFLUOROPROPYL PROPANOIC ACID (3:3 FTCA)	PA
EPA 1633A	9-CHLOROHEXADECAFLUORO-3-OX ANONANE-1-SULFONIC ACID (9CL-PF3ONS)	PA
EPA 1633A	N-ETHYL PERFLUOROOCTANESULFONAMID E (NETFOSA, ETFOSAM)	PA
EPA 1633A	N-ETHYLPERFLUORO-1-OCTANESU LFONAMIDOACETIC ACID (N-ETFOSAA)	PA
EPA 1633A	N-METHYL PERFLUOROOCTANESULFONAMID OETHANOL (NMEFOSE, MEFOSE)	PA
EPA 1633A	NONAFLUORO-3,6-DIOXAHEPTANOI C ACID (NFDHA)	PA
EPA 1633A	PERFLUORO-1-BUTANESULFONIC ACID (PFBS)	PA
EPA 1633A	PERFLUORO-1-HEPTANESULFONIC ACID (PFHPS)	PA
EPA 1633A	PERFLUORO-1-NONANESULFONIC ACID (PFNS)	PA
EPA 1633A	PERFLUORO-1-OCTANESULFONIC ACID (PFOS)	PA
EPA 1633A	PERFLUORO-3-METHOXYPROPANO IC ACID (PFMPA)	PA
EPA 1633A	PERFLUOROBUTANOIC ACID (PFBA)	PA
EPA 1633A	PERFLUORODODECANESULFONIC ACID (PFDOS)	PA
EPA 1633A	PERFLUOROHEPTANOIC ACID (PFHPA)	PA
EPA 1633A	PERFLUORONONANOIC ACID (PFNA)	PA
EPA 1633A	PERFLUOROPENTANOIC ACID (PFPEA)	PA
EPA 1633A	PERFLUOROTRIDECANOIC ACID (PFTRDA)	PA
EPA 1664 B	OIL AND GREASE (AS N-HEXANE EXTRACTABLE MATERIAL (HEM))	PA
EPA 1666 A	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	PA
EPA 1633A	1H, 1H, 2H, 2H-PERFLUORODECANE SULFONIC ACID (8:2 FTS)	PA
EPA 1633A	1H, 1H, 2H, 2H-PERFLUOROOCTANE SULFONIC ACID (6:2 FTS)	PA
EPA 1633A	3-PERFLUOROHEPTYL PROPANOIC ACID (7:3 FTCA)	PA
EPA 1633A	4,8-DIOXA-3H-PERFLUORONONANO IC ACID (ADONA, DONA)	PA
EPA 1633A	HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA, GENX)	PA
EPA 1633A	N-ETHYL PERFLUOROOCTANESULFONAMID OETHANOL (NETFOSE, ETFOSE)	PA
EPA 1633A	N-METHYL PERFLUOROOCTANESULFONAMID E (NMEFOSA, MEFOSA)	PA
EPA 1633A	N-METHYLPERFLUORO-1-OCTANES ULFONAMIDOACETIC ACID (N-MEFOSAA)	PA
EPA 1633A	PERFLUORO(2-ETHOXYETHANE)SU LFONIC ACID (PFEESA)	PA
EPA 1633A	PERFLUORO-1-DECANESULFONIC ACID (PFDS)	PA
EPA 1633A	PERFLUORO-1-HEXANESULFONIC ACID (PFHXS)	PA
EPA 1633A	PERFLUORO-1-OCTANESULFONAMI DE (PFOSA, PFOSAM)	PA
EPA 1633A	PERFLUORO-1-PENTANESULFONIC ACID (PFPES)	PA
EPA 1633A	PERFLUORO-4-METHOXYBUTANOIC ACID (PFMBA)	PA
EPA 1633A	PERFLUORODECANOIC ACID (PFDA)	PA
EPA 1633A	PERFLUORODODECANOIC ACID (PFDOA, PFDODA)	PA
EPA 1633A	PERFLUOROHEXANOIC ACID (PFHXA)	PA
EPA 1633A	PERFLUOROOCTANOIC ACID (PFOA)	PA
EPA 1633A	PERFLUOROTETRADECANOIC ACID (PFTA, PFTDA, PFTEDA)	PA
EPA 1633A	PERFLUOROUNDECANOIC ACID (PFUNA, PFUNDA)	PA
EPA 1664 B	TOTAL PETROLEUM HYDROCARBONS (TPH) (AS NONPOLAR MATERIAL, SGT-HEM)	PA
EPA 1666 A	DI-ISOPROPYLETHER (DIPE, ISOPROPYL ETHER)	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 1666 A	ETHYL ACETATE	PA
EPA 1666 A	ISOPROPYL ACETATE	PA
EPA 1666 A	M+P-XYLENE	PA
EPA 1666 A	N-AMYL ACETATE	PA
EPA 1666 A	N-BUTYL-ACETATE	PA
EPA 1666 A	N-HEXANE	PA
EPA 1666 A	TETRAHYDROFURAN (THF)	PA
EPA 1668 A	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL (BZ-206)	PA
EPA 1668 A	2,2',3,3',4,4',5,6'-OCTACHLOROBIPHENYL (BZ-196)	PA
EPA 1668 A	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL BZ-195)	PA
EPA 1668 A	2,2',3,3',4,4',6,6'-OCTACHLOROBIPHENYL (BZ-197)	PA
EPA 1668 A	2,2',3,3',4,4'-HEXACHLOROBIPHENYL (BZ-128)	PA
EPA 1668 A	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (BZ-201)	PA
EPA 1668 A	2,2',3,3',4,5'-HEXACHLOROBIPHENYL (BZ-130)	PA
EPA 1668 A	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (BZ-208)	PA
EPA 1668 A	2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL (BZ-172)	PA
EPA 1668 A	2,2',3,3',4,5,6,6'-OCTACHLOROBIPHENYL (BZ-200)	PA
EPA 1668 A	2,2',3,3',4,5-HEXACHLOROBIPHENYL (BZ-129)	PA
EPA 1668 A	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (BZ-176)	PA
EPA 1668 A	2,2',3,3',4-PENTACHLOROBIPHENYL (BZ-82)	PA
EPA 1668 A	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (BZ-178)	PA
EPA 1668 A	2,2',3,3',5,6'-HEXACHLOROBIPHENYL (BZ-135)	PA
EPA 1668 A	2,2',3,3',5,6-HEXACHLOROBIPHENYL (BZ-134)	PA
EPA 1668 A	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (BZ-136)	PA
EPA 1668 A	2,2',3,3'-TETRACHLOROBIPHENYL (BZ-40)	PA
EPA 1668 A	2,2',3,4',5'-PENTACHLOROBIPHENYL (BZ-97)	PA
EPA 1668 A	2,2',3,4',5,5'-HEXACHLOROBIPHENYL (BZ-146)	PA
EPA 1666 A	ISOBUTYRALDEHYDE	PA
EPA 1666 A	ISOPROPYL ALCOHOL (2-PROPANOL, ISOPROPANOL)	PA
EPA 1666 A	METHYL FORMATE	PA
EPA 1666 A	N-AMYL ALCOHOL	PA
EPA 1666 A	N-HEPTANE	PA
EPA 1666 A	TERT-BUTYL ALCOHOL (2-METHYL-2-PROPANOL)	PA
EPA 1666 A	XYLENE (TOTAL)	PA
EPA 1668 A	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (BZ-194)	PA
EPA 1668 A	2,2',3,3',4,4',5,6,6'-NONACHLOROBIPHENYL (BZ-207)	PA
EPA 1668 A	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (BZ-170)	PA
EPA 1668 A	2,2',3,3',4,4',6-HEPTACHLOROBIPHENYL (BZ-171)	PA
EPA 1668 A	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL (BZ-177)	PA
EPA 1668 A	2,2',3,3',4,5',6-HEPTACHLOROBIPHENYL (BZ-175)	PA
EPA 1668 A	2,2',3,3',4,5,5',6'-OCTACHLOROBIPHENYL (BZ-199)	PA
EPA 1668 A	2,2',3,3',4,5,5',6-OCTACHLOROBIPHENYL (BZ-198)	PA
EPA 1668 A	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (BZ-174)	PA
EPA 1668 A	2,2',3,3',4,5,6-HEPTACHLOROBIPHENYL (BZ-173)	PA
EPA 1668 A	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (BZ-132)	PA
EPA 1668 A	2,2',3,3',4,6-HEXACHLOROBIPHENYL (BZ-131)	PA
EPA 1668 A	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (BZ-202)	PA
EPA 1668 A	2,2',3,3',5,5'-HEXACHLOROBIPHENYL (BZ-133)	PA
EPA 1668 A	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (BZ-179)	PA
EPA 1668 A	2,2',3,3',5-PENTACHLOROBIPHENYL (BZ-83)	PA
EPA 1668 A	2,2',3,3',6-PENTACHLOROBIPHENYL (BZ-84)	PA
EPA 1668 A	2,2',3,4',5',6-HEXACHLOROBIPHENYL (BZ-149)	PA
EPA 1668 A	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (BZ-187)	PA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 1668 A	2,2',3,4',5,6'-HEXACHLOROBIPHENYL (BZ-148)	PA
EPA 1668 A	2,2',3,4',5,6-HEXACHLOROBIPHENYL (BZ-147)	PA
EPA 1668 A	2,2',3,4',6'-PENTACHLOROBIPHENYL (BZ-98)	PA
EPA 1668 A	2,2',3,4',6-PENTACHLOROBIPHENYL (BZ-91)	PA
EPA 1668 A	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL (BZ-183)	PA
EPA 1668 A	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (BZ-203)	PA
EPA 1668 A	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (BZ-182)	PA
EPA 1668 A	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (BZ-181)	PA
EPA 1668 A	2,2',3,4,4',6'-HEXACHLOROBIPHENYL (BZ-140)	PA
EPA 1668 A	2,2',3,4,4',6-HEXACHLOROBIPHENYL (BZ-139)	PA
EPA 1668 A	2,2',3,4,5',6-HEXACHLOROBIPHENYL (BZ-144)	PA
EPA 1668 A	2,2',3,4,5,5',6-HEPTACHLOROBIPHENYL (BZ-185)	PA
EPA 1668 A	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (BZ-143)	PA
EPA 1668 A	2,2',3,4,5,6-HEXACHLOROBIPHENYL (BZ-142)	PA
EPA 1668 A	2,2',3,4,6'-PENTACHLOROBIPHENYL (BZ-89)	PA
EPA 1668 A	2,2',3,4,6-PENTACHLOROBIPHENYL (BZ-88)	PA
EPA 1668 A	2,2',3,5',6-PENTACHLOROBIPHENYL (BZ-95)	PA
EPA 1668 A	2,2',3,5,5',6-HEXACHLOROBIPHENYL (BZ-151)	PA
EPA 1668 A	2,2',3,5,6'-PENTACHLOROBIPHENYL (BZ-94)	PA
EPA 1668 A	2,2',3,5,6-PENTACHLOROBIPHENYL (BZ-93)	PA
EPA 1668 A	2,2',3,6'-TETRACHLOROBIPHENYL (BZ-46)	PA
EPA 1668 A	2,2',3,6-TETRACHLOROBIPHENYL (BZ-45)	PA
EPA 1668 A	2,2',4,4',5,5'-HEXACHLOROBIPHENYL (BZ-153)	PA
EPA 1668 A	2,2',4,4',5-PENTACHLOROBIPHENYL (BZ-99)	PA
EPA 1668 A	2,2',4,4',6-PENTACHLOROBIPHENYL (BZ-100)	PA
EPA 1668 A	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL (BZ-188)	PA
EPA 1668 A	2,2',3,4',5-PENTACHLOROBIPHENYL (BZ-90)	PA
EPA 1668 A	2,2',3,4',6,6'-HEXACHLOROBIPHENYL (BZ-150)	PA
EPA 1668 A	2,2',3,4'-TETRACHLOROBIPHENYL (BZ-42)	PA
EPA 1668 A	2,2',3,4,4',5'-HEXACHLOROBIPHENYL (BZ-138)	PA
EPA 1668 A	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL (BZ-180)	PA
EPA 1668 A	2,2',3,4,4',5,6,6'-OCTACHLOROBIPHENYL (BZ-204)	PA
EPA 1668 A	2,2',3,4,4',5-HEXACHLOROBIPHENYL (BZ-137)	PA
EPA 1668 A	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (BZ-184)	PA
EPA 1668 A	2,2',3,4,4'-PENTACHLOROBIPHENYL (BZ-85)	PA
EPA 1668 A	2,2',3,4,5'-PENTACHLOROBIPHENYL (BZ-87)	PA
EPA 1668 A	2,2',3,4,5,5'-HEXACHLOROBIPHENYL (BZ-141)	PA
EPA 1668 A	2,2',3,4,5,6,6'-HEPTACHLOROBIPHENYL (BZ-186)	PA
EPA 1668 A	2,2',3,4,5-PENTACHLOROBIPHENYL (BZ-86)	PA
EPA 1668 A	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (BZ-145)	PA
EPA 1668 A	2,2',3,4-TETRACHLOROBIPHENYL (BZ-41)	PA
EPA 1668 A	2,2',3,5'-TETRACHLOROBIPHENYL (BZ-44)	PA
EPA 1668 A	2,2',3,5,5'-PENTACHLOROBIPHENYL (BZ-92)	PA
EPA 1668 A	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (BZ-152)	PA
EPA 1668 A	2,2',3,5-TETRACHLOROBIPHENYL (BZ-43)	PA
EPA 1668 A	2,2',3,6,6'-PENTACHLOROBIPHENYL (BZ-96)	PA
EPA 1668 A	2,2',3-TRICHLOROBIPHENYL (BZ-16)	PA
EPA 1668 A	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (BZ-154)	PA
EPA 1668 A	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (BZ-155)	PA
EPA 1668 A	2,2',4,4'-TETRACHLOROBIPHENYL (BZ-47)	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 1668 A	2,2',4,5',6-PENTACHLOROBIPHENYL (BZ-103)	PA
EPA 1668 A	2,2',4,5,5'-PENTACHLOROBIPHENYL (BZ-101)	PA
EPA 1668 A	2,2',4,5-TETRACHLOROBIPHENYL (BZ-48)	PA
EPA 1668 A	2,2',4,6,6'-PENTACHLOROBIPHENYL (BZ-104)	PA
EPA 1668 A	2,2',4-TRICHLOROBIPHENYL (BZ-17)	PA
EPA 1668 A	2,2',5,6'-TETRACHLOROBIPHENYL (BZ-53)	PA
EPA 1668 A	2,2',6,6'-TETRACHLOROBIPHENYL (BZ-54)	PA
EPA 1668 A	2,2'-DICHLOROBIPHENYL (BZ-4)	PA
EPA 1668 A	2,3',4',5'-TETRACHLOROBIPHENYL (BZ-76)	PA
EPA 1668 A	2,3',4',5-TETRACHLOROBIPHENYL (BZ-70)	PA
EPA 1668 A	2,3',4'-TRICHLOROBIPHENYL (BZ-33)	PA
EPA 1668 A	2,3',4,4',5'-PENTACHLOROBIPHENYL (BZ-123)	PA
EPA 1668 A	2,3',4,4',5-PENTACHLOROBIPHENYL (BZ-118)	PA
EPA 1668 A	2,3',4,4'-TETRACHLOROBIPHENYL (BZ-66)	PA
EPA 1668 A	2,3',4,5'-TETRACHLOROBIPHENYL (BZ-68)	PA
EPA 1668 A	2,3',4,5-TETRACHLOROBIPHENYL (BZ-67)	PA
EPA 1668 A	2,3',4-TRICHLOROBIPHENYL (BZ-25)	PA
EPA 1668 A	2,3',5'-TRICHLOROBIPHENYL (BZ-34)	PA
EPA 1668 A	2,3',5-TRICHLOROBIPHENYL (BZ-26)	PA
EPA 1668 A	2,3'-DICHLOROBIPHENYL (BZ-6)	PA
EPA 1668 A	2,3,3',4',5'-PENTACHLOROBIPHENYL (BZ-122)	PA
EPA 1668 A	2,3,3',4',5,5'-HEXACHLOROBIPHENYL (BZ-162)	PA
EPA 1668 A	2,3,3',4',5-PENTACHLOROBIPHENYL (BZ-107)	PA
EPA 1668 A	2,3,3',4'-TETRACHLOROBIPHENYL (BZ-56)	PA
EPA 1668 A	2,3,3',4,4',5'-HEXACHLOROBIPHENYL (BZ-157)	PA
EPA 1668 A	2,2',4,5'-TETRACHLOROBIPHENYL (BZ-49)	PA
EPA 1668 A	2,2',4,5,6'-PENTACHLOROBIPHENYL (BZ-102)	PA
EPA 1668 A	2,2',4,6'-TETRACHLOROBIPHENYL (BZ-51)	PA
EPA 1668 A	2,2',4,6-TETRACHLOROBIPHENYL (BZ-50)	PA
EPA 1668 A	2,2',5,5'-TETRACHLOROBIPHENYL (BZ-52)	PA
EPA 1668 A	2,2',5-TRICHLOROBIPHENYL (BZ-18)	PA
EPA 1668 A	2,2',6-TRICHLOROBIPHENYL (BZ-19)	PA
EPA 1668 A	2,3',4',5,6-PENTACHLOROBIPHENYL (BZ-125)	PA
EPA 1668 A	2,3',4',5,5'-PENTACHLOROBIPHENYL (BZ-124)	PA
EPA 1668 A	2,3',4',6-TETRACHLOROBIPHENYL (BZ-71)	PA
EPA 1668 A	2,3',4,4',5',6-HEXACHLOROBIPHENYL (BZ-168)	PA
EPA 1668 A	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (BZ-167)	PA
EPA 1668 A	2,3',4,4',6-PENTACHLOROBIPHENYL (BZ-119)	PA
EPA 1668 A	2,3',4,5',6-PENTACHLOROBIPHENYL (BZ-121)	PA
EPA 1668 A	2,3',4,5,5'-PENTACHLOROBIPHENYL (BZ-120)	PA
EPA 1668 A	2,3',4,6-TETRACHLOROBIPHENYL (BZ-69)	PA
EPA 1668 A	2,3',5',6-TETRACHLOROBIPHENYL (BZ-73)	PA
EPA 1668 A	2,3',5,5'-TETRACHLOROBIPHENYL (BZ-72)	PA
EPA 1668 A	2,3',6-TRICHLOROBIPHENYL (BZ-27)	PA
EPA 1668 A	2,3,3',4',5',6-HEXACHLOROBIPHENYL (BZ-164)	PA
EPA 1668 A	2,3,3',4',5,5',6-HEPTACHLOROBIPHENYL (BZ-193)	PA
EPA 1668 A	2,3,3',4',5,6-HEXACHLOROBIPHENYL (BZ-163)	PA
EPA 1668 A	2,3,3',4',6-PENTACHLOROBIPHENYL (BZ-110)	PA
EPA 1668 A	2,3,3',4,4',5',6-HEPTACHLOROBIPHENYL (BZ-191)	PA
EPA 1668 A	2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL (BZ-205)	PA

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 1668 A	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (BZ-189)	PA
EPA 1668 A	2,3,3',4,4',5-HEXACHLOROBIPHENYL (BZ-156)	PA
EPA 1668 A	2,3,3',4,4'-PENTACHLOROBIPHENYL (BZ-105)	PA
EPA 1668 A	2,3,3',4,5'-PENTACHLOROBIPHENYL (BZ-108)	PA
EPA 1668 A	2,3,3',4,5,5'-HEXACHLOROBIPHENYL (BZ-159)	PA
EPA 1668 A	2,3,3',4,5-PENTACHLOROBIPHENYL (BZ-106)	PA
EPA 1668 A	2,3,3',4-TETRACHLOROBIPHENYL (BZ-55)	PA
EPA 1668 A	2,3,3',5'-TETRACHLOROBIPHENYL (BZ-58)	PA
EPA 1668 A	2,3,3',5,5'-PENTACHLOROBIPHENYL (BZ-111)	PA
EPA 1668 A	2,3,3',5-TETRACHLOROBIPHENYL (BZ-57)	PA
EPA 1668 A	2,3,3'-TRICHLOROBIPHENYL (BZ-20)	PA
EPA 1668 A	2,3,4',5-TETRACHLOROBIPHENYL (BZ-63)	PA
EPA 1668 A	2,3,4'-TRICHLOROBIPHENYL (BZ-22)	PA
EPA 1668 A	2,3,4,4',5-PENTACHLOROBIPHENYL (BZ-114)	PA
EPA 1668 A	2,3,4,4'-TETRACHLOROBIPHENYL (BZ-60)	PA
EPA 1668 A	2,3,4,5-TETRACHLOROBIPHENYL (BZ-61)	PA
EPA 1668 A	2,3,4-TRICHLOROBIPHENYL (BZ-21)	PA
EPA 1668 A	2,3,5-TRICHLOROBIPHENYL (BZ-23)	PA
EPA 1668 A	2,3-DICHLOROBIPHENYL (BZ-5)	PA
EPA 1668 A	2,4',6-TRICHLOROBIPHENYL (BZ-32)	PA
EPA 1668 A	2,4,4',5-TETRACHLOROBIPHENYL (BZ-74)	PA
EPA 1668 A	2,4,4'-TRICHLOROBIPHENYL (BZ-28)	PA
EPA 1668 A	2,4,6-TRICHLOROBIPHENYL (BZ-30)	PA
EPA 1668 A	2,5-DICHLOROBIPHENYL (BZ-9)	PA
EPA 1668 A	2-CHLOROBIPHENYL (BZ-1)	PA
EPA 1668 A	3,3',4,4',5-PENTACHLOROBIPHENYL (BZ-126)	PA
EPA 1668 A	3,3',4,5'-TETRACHLOROBIPHENYL (BZ-79)	PA
EPA 1668 A	2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL (BZ-190)	PA
EPA 1668 A	2,3,3',4,4',6-HEXACHLOROBIPHENYL (BZ-158)	PA
EPA 1668 A	2,3,3',4,5',6-HEXACHLOROBIPHENYL (BZ-161)	PA
EPA 1668 A	2,3,3',4,5,5',6-HEPTACHLOROBIPHENYL (BZ-192)	PA
EPA 1668 A	2,3,3',4,5,6-HEXACHLOROBIPHENYL (BZ-160)	PA
EPA 1668 A	2,3,3',4,6-PENTACHLOROBIPHENYL (BZ-109)	PA
EPA 1668 A	2,3,3',5',6-PENTACHLOROBIPHENYL (BZ-113)	PA
EPA 1668 A	2,3,3',5,5',6-HEXACHLOROBIPHENYL (BZ-165)	PA
EPA 1668 A	2,3,3',5,6-PENTACHLOROBIPHENYL (BZ-112)	PA
EPA 1668 A	2,3,3',6-TETRACHLOROBIPHENYL (BZ-59)	PA
EPA 1668 A	2,3,4',5,6-PENTACHLOROBIPHENYL (BZ-117)	PA
EPA 1668 A	2,3,4',6-TETRACHLOROBIPHENYL (BZ-64)	PA
EPA 1668 A	2,3,4,4',5,6-HEXACHLOROBIPHENYL (BZ-166)	PA
EPA 1668 A	2,3,4,4',6-PENTACHLOROBIPHENYL (BZ-115)	PA
EPA 1668 A	2,3,4,5,6-PENTACHLOROBIPHENYL (BZ-116)	PA
EPA 1668 A	2,3,4,6-TETRACHLOROBIPHENYL (BZ-62)	PA
EPA 1668 A	2,3,5,6-TETRACHLOROBIPHENYL (BZ-65)	PA
EPA 1668 A	2,3,6-TRICHLOROBIPHENYL (BZ-24)	PA
EPA 1668 A	2,4',5-TRICHLOROBIPHENYL (BZ-31)	PA
EPA 1668 A	2,4'-DICHLOROBIPHENYL (BZ-8)	PA
EPA 1668 A	2,4,4',6-TETRACHLOROBIPHENYL (BZ-75)	PA
EPA 1668 A	2,4,5-TRICHLOROBIPHENYL (BZ-29)	PA
EPA 1668 A	2,4-DICHLOROBIPHENYL (BZ-7)	PA
EPA 1668 A	2,6-DICHLOROBIPHENYL (BZ-10)	PA
EPA 1668 A	3,3',4,4',5,5'-HEXACHLOROBIPHENYL (BZ-169)	PA
EPA 1668 A	3,3',4,4'-TETRACHLOROBIPHENYL (BZ-77)	PA
EPA 1668 A	3,3',4,5,5'-PENTACHLOROBIPHENYL (BZ-127)	PA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 1668 A	3,3',4,5-TETRACHLOROBIPHENYL (BZ-78)	PA
EPA 1668 A	3,3',5,5'-TETRACHLOROBIPHENYL (BZ-80)	PA
EPA 1668 A	3,3'-DICHLOROBIPHENYL (BZ-11)	PA
EPA 1668 A	3,4'-DICHLOROBIPHENYL (BZ-13)	PA
EPA 1668 A	3,4,4'-TRICHLOROBIPHENYL (BZ-37)	PA
EPA 1668 A	3,4-DICHLOROBIPHENYL (BZ-12)	PA
EPA 1668 A	3-CHLOROBIPHENYL (BZ-2)	PA
EPA 1668 A	4-CHLOROBIPHENYL (BZ-3)	PA
EPA 1671 A	2-METHOXYETHANOL (METHYL CELLOSOLVE)	PA
EPA 1671 A	DIETHYLAMINE	PA
EPA 1671 A	ETHANOL	PA
EPA 1671 A	N-PROPANOL (1-PROPANOL)	PA
EPA 180.1 REV 2	TURBIDITY	PA
EPA 200.7 REV 4.4	ANTIMONY	PA
EPA 200.7 REV 4.4	BARIUM	PA
EPA 200.7 REV 4.4	BORON	PA
EPA 200.7 REV 4.4	CALCIUM	PA
EPA 200.7 REV 4.4	COBALT	PA
EPA 200.7 REV 4.4	IRON	PA
EPA 200.7 REV 4.4	MAGNESIUM	PA
EPA 200.7 REV 4.4	MOLYBDENUM	PA
EPA 200.7 REV 4.4	POTASSIUM	PA
EPA 200.7 REV 4.4	SILVER	PA
EPA 200.7 REV 4.4	THALLIUM	PA
EPA 200.7 REV 4.4	TITANIUM	PA
EPA 200.7 REV 4.4	ZINC	PA
EPA 200.8 REV 5.4	ANTIMONY	PA
EPA 200.8 REV 5.4	BARIUM	PA
EPA 200.8 REV 5.4	CADMIUM	PA
EPA 200.8 REV 5.4	COBALT	PA
EPA 200.8 REV 5.4	LEAD	PA
EPA 200.8 REV 5.4	MOLYBDENUM	PA
EPA 200.8 REV 5.4	SELENIUM	PA
EPA 200.8 REV 5.4	THALLIUM	PA
EPA 200.8 REV 5.4	ZINC	PA

METHOD	ANALYTE	PRIMARY
EPA 1668 A	3,3',4-TRICHLOROBIPHENYL (BZ-35)	PA
EPA 1668 A	3,3',5-TRICHLOROBIPHENYL (BZ-36)	PA
EPA 1668 A	3,4',5-TRICHLOROBIPHENYL (BZ-39)	PA
EPA 1668 A	3,4,4',5-TETRACHLOROBIPHENYL (BZ-81)	PA
EPA 1668 A	3,4,5-TRICHLOROBIPHENYL (BZ-38)	PA
EPA 1668 A	3,5-DICHLOROBIPHENYL (BZ-14)	PA
EPA 1668 A	4,4'-DICHLOROBIPHENYL (BZ-15)	PA
EPA 1668 A	DECACHLOROBIPHENYL (BZ-209)	PA
EPA 1671 A	ACETONITRILE	PA
EPA 1671 A	DIMETHYL SULFOXIDE	PA
EPA 1671 A	METHANOL	PA
EPA 1671 A	TRIETHYLAMINE	PA
EPA 200.7 REV 4.4	ALUMINUM	PA
EPA 200.7 REV 4.4	ARSENIC	PA
EPA 200.7 REV 4.4	BERYLLIUM	PA
EPA 200.7 REV 4.4	CADMIUM	PA
EPA 200.7 REV 4.4	CHROMIUM	PA
EPA 200.7 REV 4.4	COPPER	PA
EPA 200.7 REV 4.4	LEAD	PA
EPA 200.7 REV 4.4	MANGANESE	PA
EPA 200.7 REV 4.4	NICKEL	PA
EPA 200.7 REV 4.4	SELENIUM	PA
EPA 200.7 REV 4.4	SODIUM	PA
EPA 200.7 REV 4.4	TIN	PA
EPA 200.7 REV 4.4	VANADIUM	PA
EPA 200.8 REV 5.4	ALUMINUM	PA
EPA 200.8 REV 5.4	ARSENIC	PA
EPA 200.8 REV 5.4	BERYLLIUM	PA
EPA 200.8 REV 5.4	CHROMIUM	PA
EPA 200.8 REV 5.4	COPPER	PA
EPA 200.8 REV 5.4	MANGANESE	PA
EPA 200.8 REV 5.4	NICKEL	PA
EPA 200.8 REV 5.4	SILVER	PA
EPA 200.8 REV 5.4	VANADIUM	PA
EPA 200.8 REV 5.4 - EXTENDED	CALCIUM	PA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 200.8 REV 5.4 - EXTENDED	IRON	PA
EPA 200.8 REV 5.4 - EXTENDED	POTASSIUM	PA
EPA 200.8 REV 5.4 - EXTENDED	TIN	PA
EPA 218.6 REV 3.3	CHROMIUM VI	PA
EPA 300.0 REV 2.1	BROMIDE	PA
EPA 300.0 REV 2.1	FLUORIDE	PA
EPA 300.0 REV 2.1	NITRITE AS N	PA
EPA 3005 A	PREP: ACID DIGESTION OF WATERS FOR TOTAL RECOVERABLE OR DISSOLVED METALS	PA
EPA 3060 A	PREP: HEXAVALENT CHROMIUM	PA
EPA 350.1 REV 2	AMMONIA AS N	PA
EPA 3510 C	PREP: LIQUID-LIQUID EXTRACTION	PA
EPA 353.2 REV 2	NITRATE AS N	PA
EPA 353.2 REV 2	NITRITE AS N	PA
EPA 3630 C	PREP: SILICA GEL CLEANUP	PA
EPA 365.1 REV 2	PHOSPHORUS, TOTAL	PA
EPA 3660 B	PREP: SULFUR CLEANUP	PA
EPA 420.4 REV 1	TOTAL PHENOLICS	PA
EPA 6010 D	ALUMINUM	PA
EPA 6010 D	ARSENIC	PA
EPA 6010 D	BERYLLIUM	PA
EPA 6010 D	CADMIUM	PA
EPA 6010 D	CHROMIUM	PA
EPA 6010 D	COPPER	PA
EPA 6010 D	LEAD	PA
EPA 6010 D	MAGNESIUM	PA
EPA 6010 D	MOLYBDENUM	PA
EPA 6010 D	POTASSIUM	PA
EPA 6010 D	SILVER	PA
EPA 6010 D	STRONTIUM	PA
EPA 6010 D	TIN	PA
EPA 6010 D	VANADIUM	PA
EPA 6010 D - EXTENDED	SULFUR	PA
EPA 6010 D - EXTENDED	ZIRCONIUM	PA

METHOD	ANALYTE	PRIMARY
EPA 200.8 REV 5.4 - EXTENDED	MAGNESIUM	PA
EPA 200.8 REV 5.4 - EXTENDED	SODIUM	PA
EPA 200.8 REV 5.4 - EXTENDED	TITANIUM	PA
EPA 245.1 REV 3	MERCURY	PA
EPA 300.0 REV 2.1	CHLORIDE	PA
EPA 300.0 REV 2.1	NITRATE AS N	PA
EPA 300.0 REV 2.1	SULFATE	PA
EPA 3010 A	PREP: ACID DIGESTION OF AQUEOUS SAMPLES AND EXTRACTS FOR TOTAL METALS	PA
EPA 335.4 REV 1.0	CYANIDE	PA
EPA 351.2 REV 2	KJELDAHL NITROGEN - TOTAL (TKN)	PA
EPA 3511	PREP: ORGANIC EXTRACTION AND SAMPLE PREPARATION	PA
EPA 353.2 REV 2	NITRATE-NITRITE AS N	PA
EPA 3620 C	PREP: FLORISIL CLEANUP	PA
EPA 3640 A	PREP: GEL PERMEATION CLEANUP	PA
EPA 365.3	ORTHOPHOSPHATE AS P	PA
EPA 410.4 REV 2	CHEMICAL OXYGEN DEMAND (COD)	PA
EPA 5030 C	PREP: PURGE AND TRAP FOR AQUEOUS SAMPLES	PA
EPA 6010 D	ANTIMONY	PA
EPA 6010 D	BARIUM	PA
EPA 6010 D	BORON	PA
EPA 6010 D	CALCIUM	PA
EPA 6010 D	COBALT	PA
EPA 6010 D	IRON	PA
EPA 6010 D	LITHIUM	PA
EPA 6010 D	MANGANESE	PA
EPA 6010 D	NICKEL	PA
EPA 6010 D	SELENIUM	PA
EPA 6010 D	SODIUM	PA
EPA 6010 D	THALLIUM	PA
EPA 6010 D	TITANIUM	PA
EPA 6010 D	ZINC	PA
EPA 6010 D - EXTENDED	THORIUM	PA
EPA 6020 B	ALUMINUM	PA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 6020 B	ANTIMONY	PA
EPA 6020 B	BARIUM	PA
EPA 6020 B	CADMIUM	PA
EPA 6020 B	CHROMIUM	PA
EPA 6020 B	COPPER	PA
EPA 6020 B	LEAD	PA
EPA 6020 B	MANGANESE	PA
EPA 6020 B	NICKEL	PA
EPA 6020 B	SELENIUM	PA
EPA 6020 B	SODIUM	PA
EPA 6020 B	TIN	PA
EPA 6020 B	ZINC	PA
EPA 6020 B - EXTENDED	TITANIUM	PA
EPA 608.3	4,4'-DDD	PA
EPA 608.3	4,4'-DDT	PA
EPA 608.3	ALPHA-BHC (ALPHA-HEXACHLOROCYCLOHEXANE)	PA
EPA 608.3	AROCLOR-1016 (PCB-1016)	PA
EPA 608.3	AROCLOR-1232 (PCB-1232)	PA
EPA 608.3	AROCLOR-1248 (PCB-1248)	PA
EPA 608.3	AROCLOR-1260 (PCB-1260)	PA
EPA 608.3	CHLORDANE, TOTAL	PA
EPA 608.3	DIELDRIN	PA
EPA 608.3	ENDOSULFAN II	PA
EPA 608.3	ENDRIN	PA
EPA 608.3	ENDRIN KETONE	PA
EPA 608.3	GAMMA-CHLORDANE (TRANS-CHLORDANE)	PA
EPA 608.3	HEPTACHLOR EPOXIDE	PA
EPA 608.3	MIREX	PA
EPA 624.1	1,1,1,2-TETRACHLOROETHANE	PA
EPA 624.1	1,1,2,2-TETRACHLOROETHANE	PA
EPA 624.1	1,1,2-TRICHLOROETHANE	PA
EPA 624.1	1,1-DICHLOROETHYLENE	PA
EPA 624.1	1,2,3-TRICHLOROBENZENE	PA

METHOD	ANALYTE	PRIMARY
EPA 6020 B	ARSENIC	PA
EPA 6020 B	BERYLLIUM	PA
EPA 6020 B	CALCIUM	PA
EPA 6020 B	COBALT	PA
EPA 6020 B	IRON	PA
EPA 6020 B	MAGNESIUM	PA
EPA 6020 B	MOLYBDENUM	PA
EPA 6020 B	POTASSIUM	PA
EPA 6020 B	SILVER	PA
EPA 6020 B	THALLIUM	PA
EPA 6020 B	VANADIUM	PA
EPA 6020 B - EXTENDED	STRONTIUM	PA
EPA 6020 B - EXTENDED	URANIUM (MASS)	PA
EPA 608.3	4,4'-DDE	PA
EPA 608.3	ALDRIN	PA
EPA 608.3	ALPHA-CHLORDANE (CIS-CHLORDANE)	PA
EPA 608.3	AROCLOR-1221 (PCB-1221)	PA
EPA 608.3	AROCLOR-1242 (PCB-1242)	PA
EPA 608.3	AROCLOR-1254 (PCB-1254)	PA
EPA 608.3	BETA-BHC (BETA-HEXACHLOROCYCLOHEXANE)	PA
EPA 608.3	DELTA-BHC	PA
EPA 608.3	ENDOSULFAN I	PA
EPA 608.3	ENDOSULFAN SULFATE	PA
EPA 608.3	ENDRIN ALDEHYDE	PA
EPA 608.3	GAMMA-BHC (LINDANE, GAMMA-HEXACHLOROCYCLOHEXANE)	PA
EPA 608.3	HEPTACHLOR	PA
EPA 608.3	METHOXYCHLOR	PA
EPA 608.3	TOXAPHENE (CHLORINATED CAMPHENE)	PA
EPA 624.1	1,1,1-TRICHLOROETHANE	PA
EPA 624.1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113)	PA
EPA 624.1	1,1-DICHLOROETHANE	PA
EPA 624.1	1,1-DICHLOROPROPENE	PA
EPA 624.1	1,2,3-TRICHLOROPROPANE	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 624.1	1,2,4-TRIMETHYLBENZENE	PA
EPA 624.1	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	PA
EPA 624.1	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	PA
EPA 624.1	1,3,5-TRIMETHYLBENZENE	PA
EPA 624.1	1,3-DICHLOROPROPANE	PA
EPA 624.1	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	PA
EPA 624.1	2-BUTANONE (METHYL ETHYL KETONE, MEK)	PA
EPA 624.1	2-CHLOROTOLUENE	PA
EPA 624.1	4-CHLOROTOLUENE	PA
EPA 624.1	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	PA
EPA 624.1	ACETONITRILE	PA
EPA 624.1	ACRYLONITRILE	PA
EPA 624.1	BENZYL CHLORIDE	PA
EPA 624.1	BROMOCHLOROMETHANE	PA
EPA 624.1	BROMOFORM	PA
EPA 624.1	CARBON TETRACHLORIDE	PA
EPA 624.1	CHLORODIBROMOMETHANE	PA
EPA 624.1	CHLOROETHANE (ETHYL CHLORIDE)	PA
EPA 624.1	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	PA
EPA 624.1	CIS-1,3-DICHLOROPROPENE	PA
EPA 624.1	CYCLOHEXANE	PA
EPA 624.1	DIBROMOMETHANE (METHYLENE BROMIDE)	PA
EPA 624.1	ETHYL ACETATE	PA
EPA 624.1	ETHYL-T-BUTYLETHER (2-ETHOXY-2-METHYLPROPANE, ETBE)	PA
EPA 624.1	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	PA
EPA 624.1	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	PA
EPA 624.1	ISOPROPYLBENZENE	PA
EPA 624.1	METHACRYLONITRILE	PA
EPA 624.1	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	PA
EPA 624.1	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	PA
EPA 624.1	1,2-DICHLOROPROPANE	PA
EPA 624.1	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	PA
EPA 624.1	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	PA
EPA 624.1	2,2-DICHLOROPROPANE	PA
EPA 624.1	2-CHLOROETHYL VINYL ETHER	PA
EPA 624.1	2-HEXANONE	PA
EPA 624.1	4-ISOPROPYLTOLUENE (P-CYMENE, P-ISOPROPYLTOLUENE)	PA
EPA 624.1	ACETONE	PA
EPA 624.1	ACROLEIN (PROPENAL)	PA
EPA 624.1	BENZENE	PA
EPA 624.1	BROMOBENZENE	PA
EPA 624.1	BROMODICHLOROMETHANE	PA
EPA 624.1	CARBON DISULFIDE	PA
EPA 624.1	CHLOROBENZENE	PA
EPA 624.1	CHLORODIFLUOROMETHANE (FREON-22)	PA
EPA 624.1	CHLOROFORM	PA
EPA 624.1	CIS-1,2-DICHLOROETHYLENE	PA
EPA 624.1	CIS-1,4-DICHLORO-2-BUTENE	PA
EPA 624.1	DI-ISOPROPYLETHER (DIPE, ISOPROPYL ETHER)	PA
EPA 624.1	DICHLORODIFLUOROMETHANE (FREON-12)	PA
EPA 624.1	ETHYL METHACRYLATE	PA
EPA 624.1	ETHYLBENZENE	PA
EPA 624.1	IODOMETHANE (METHYL IODIDE)	PA
EPA 624.1	ISOPROPYL ALCOHOL (2-PROPANOL, ISOPROPANOL)	PA
EPA 624.1	M+P-XYLENE	PA
EPA 624.1	METHYL BROMIDE (BROMOMETHANE)	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 624.1	METHYL CHLORIDE (CHLOROMETHANE)	PA
EPA 624.1	METHYL TERT-BUTYL ETHER (MTBE)	PA
EPA 624.1	N-BUTYLBENZENE	PA
EPA 624.1	NAPHTHALENE	PA
EPA 624.1	PROPIONITRILE (ETHYL CYANIDE)	PA
EPA 624.1	STYRENE	PA
EPA 624.1	TERT-AMYL METHYL ETHER (TAME)	PA
EPA 624.1	TERT-BUTYLBENZENE	PA
EPA 624.1	TETRAHYDROFURAN (THF)	PA
EPA 624.1	TRANS-1,2-DICHLOROETHENE	PA
EPA 624.1	TRANS-1,4-DICHLORO-2-BUTENE	PA
EPA 624.1	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	PA
EPA 624.1	VINYL CHLORIDE (CHLOROETHENE)	PA
EPA 624.1 EXTENDED	1,2,4-TRICHLOROBENZENE	PA
EPA 624.1 EXTENDED	N-HEXANE	PA
EPA 625.1	1,2,4,5-TETRACHLOROBENZENE	PA
EPA 625.1	1,2-DIPHENYLHYDRAZINE	PA
EPA 625.1	2,3,4,6-TETRACHLOROPHENOL	PA
EPA 625.1	2,4,5-TRICHLOROPHENOL	PA
EPA 625.1	2,4-DICHLOROPHENOL	PA
EPA 625.1	2,4-DINITROPHENOL	PA
EPA 625.1	2,6-DICHLOROPHENOL	PA
EPA 625.1	2-CHLORONAPHTHALENE	PA
EPA 625.1	2-METHYL-4,6-DINITROPHENOL (4,6-DINITRO-2-METHYLPHENOL)	PA
EPA 625.1	2-METHYLPHENOL (O-CRESOL)	PA
EPA 625.1	2-NITROPHENOL	PA
EPA 625.1	3,3'-DICHLOROBENZIDINE	PA
EPA 625.1	4-BROMOPHENYL PHENYL ETHER (BDE-3)	PA
EPA 625.1	4-CHLOROANILINE	PA
EPA 625.1	4-NITROANILINE	PA
EPA 625.1	ACENAPHTHENE	PA
EPA 625.1	ACETOPHENONE	PA

METHOD	ANALYTE	PRIMARY
EPA 624.1	METHYL METHACRYLATE	PA
EPA 624.1	METHYLENE CHLORIDE (DICHLOROMETHANE)	PA
EPA 624.1	N-PROPYLBENZENE	PA
EPA 624.1	O-XYLENE	PA
EPA 624.1	SEC-BUTYLBENZENE	PA
EPA 624.1	TERT-AMYL ETHYL ETHER (TAEE)	PA
EPA 624.1	TERT-BUTYL ALCOHOL (2-METHYL-2-PROPANOL)	PA
EPA 624.1	TETRACHLOROETHENE (PERCHLOROETHENE)	PA
EPA 624.1	TOLUENE	PA
EPA 624.1	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	PA
EPA 624.1	TRICHLOROETHENE (TRICHLOROETHYLENE)	PA
EPA 624.1	VINYL ACETATE	PA
EPA 624.1	XYLENE (TOTAL)	PA
EPA 624.1 EXTENDED	ISOPROPYL ACETATE	PA
EPA 625.1	1,1'-BIPHENYL (BZ-0)	PA
EPA 625.1	1,2,4-TRICHLOROBENZENE	PA
EPA 625.1	2,2'-OXYBIS(1-CHLOROPROPANE)	PA
EPA 625.1	2,3-DICHLOROANILINE	PA
EPA 625.1	2,4,6-TRICHLOROPHENOL	PA
EPA 625.1	2,4-DIMETHYLPHENOL	PA
EPA 625.1	2,4-DINITROTOLUENE (2,4-DNT)	PA
EPA 625.1	2,6-DINITROTOLUENE (2,6-DNT)	PA
EPA 625.1	2-CHLOROPHENOL	PA
EPA 625.1	2-METHYLNAPHTHALENE	PA
EPA 625.1	2-NITROANILINE	PA
EPA 625.1	3+4-METHYLPHENOL (M+P CRESOL)	PA
EPA 625.1	3-NITROANILINE	PA
EPA 625.1	4-CHLORO-3-METHYLPHENOL	PA
EPA 625.1	4-CHLOROPHENYL PHENYLETHER	PA
EPA 625.1	4-NITROPHENOL	PA
EPA 625.1	ACENAPHTHYLENE	PA
EPA 625.1	ALPHA-TERPINEOL	PA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 625.1	ANILINE	PA
EPA 625.1	BENZIDINE	PA
EPA 625.1	BENZO(A)PYRENE	PA
EPA 625.1	BENZO(G,H,I)PERYLENE	PA
EPA 625.1	BENZOIC ACID	PA
EPA 625.1	BIS(2-CHLOROETHOXY)METHANE	PA
EPA 625.1	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	PA
EPA 625.1	CARBAZOLE	PA
EPA 625.1	DI-N-BUTYL PHTHALATE	PA
EPA 625.1	DIBENZO(A,H) ANTHRACENE	PA
EPA 625.1	DIETHYL PHTHALATE	PA
EPA 625.1	DIPHENYL ETHER (DIPHENYL OXIDE)	PA
EPA 625.1	FLUORENE	PA
EPA 625.1	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	PA
EPA 625.1	HEXACHLOROETHANE	PA
EPA 625.1	ISOPHORONE	PA
EPA 625.1	N-DOCOSANE	PA
EPA 625.1	N-NITROSO-DI-N-BUTYLAMINE	PA
EPA 625.1	N-NITROSODIETHYLAMINE	PA
EPA 625.1	N-NITROSODIPHENYLAMINE	PA
EPA 625.1	N-OCTADECANE	PA
EPA 625.1	NITROBENZENE	PA
EPA 625.1	PENTACHLOROBENZENE	PA
EPA 625.1	PHENANTHRENE	PA
EPA 625.1	PYRENE	PA
EPA 625.1 EXTENDED	1-METHYLNAPHTHALENE	PA
EPA 7196 A	CHROMIUM VI	PA
EPA 7470 A	MERCURY	PA
EPA 8011	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	PA
EPA 8015 C	ETHANOL	PA
EPA 8015 C	GASOLINE RANGE ORGANICS (GRO)	PA
EPA 8015 C	METHANOL	PA
EPA 8015 C - EXTENDED	TRIETHYLENE GLYCOL	PA
EPA 8015 D	ETHANOL	PA
EPA 625.1	ANTHRACENE	PA
EPA 625.1	BENZO(A)ANTHRACENE	PA
EPA 625.1	BENZO(B)FLUORANTHENE	PA
EPA 625.1	BENZO(K)FLUORANTHENE	PA
EPA 625.1	BENZYL ALCOHOL	PA
EPA 625.1	BIS(2-CHLOROETHYL) ETHER	PA
EPA 625.1	BUTYL BENZYL PHTHALATE	PA
EPA 625.1	CHRYSENE	PA
EPA 625.1	DI-N-OCTYL PHTHALATE	PA
EPA 625.1	DIBENZOFURAN	PA
EPA 625.1	DIMETHYL PHTHALATE	PA
EPA 625.1	FLUORANTHENE	PA
EPA 625.1	HEXACHLOROBENZENE	PA
EPA 625.1	HEXACHLOROCYCLOPENTADIENE	PA
EPA 625.1	INDENO(1,2,3-CD) PYRENE	PA
EPA 625.1	N-DECANE	PA
EPA 625.1	N-HEXADECANE	PA
EPA 625.1	N-NITROSODI-N-PROPYLAMINE	PA
EPA 625.1	N-NITROSODIMETHYLAMINE	PA
EPA 625.1	N-NITROSOPYRROLIDINE	PA
EPA 625.1	NAPHTHALENE	PA
EPA 625.1	O-TOLUIDINE (2-METHYLANILINE)	PA
EPA 625.1	PENTACHLOROPHENOL	PA
EPA 625.1	PHENOL	PA
EPA 625.1	PYRIDINE	PA
EPA 6850	PERCHLORATE	PA
EPA 7199	CHROMIUM VI	PA
EPA 8011	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	PA
EPA 8015 C	DIESEL RANGE ORGANICS (DRO)	PA
EPA 8015 C	ETHYLENE GLYCOL	PA
EPA 8015 C	ISOPROPYL ALCOHOL (2-PROPANOL, ISOPROPANOL)	PA
EPA 8015 C - EXTENDED	PROPYLENE GLYCOL	PA
EPA 8015 D	DIESEL RANGE ORGANICS (DRO)	PA
EPA 8015 D	GASOLINE RANGE ORGANICS (GRO)	PA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8015 D	ISOPROPYL ALCOHOL (2-PROPANOL, ISOPROPANOL)	PA
EPA 8015 D	N-PROPANOL (1-PROPANOL)	PA
EPA 8015 D - EXTENDED	ETHYLENE GLYCOL	PA
EPA 8015 D - EXTENDED	PROPYLENE GLYCOL	PA
EPA 8081 B	4,4'-DDD	PA
EPA 8081 B	4,4'-DDT	PA
EPA 8081 B	ALPHA-BHC (ALPHA-HEXACHLOROCYCLOHEXANE)	PA
EPA 8081 B	BETA-BHC (BETA-HEXACHLOROCYCLOHEXANE)	PA
EPA 8081 B	DELTA-BHC	PA
EPA 8081 B	ENDOSULFAN I	PA
EPA 8081 B	ENDOSULFAN SULFATE	PA
EPA 8081 B	ENDRIN ALDEHYDE	PA
EPA 8081 B	GAMMA-BHC (LINDANE, GAMMA-HEXACHLOROCYCLOHEXANE)	PA
EPA 8081 B	HEPTACHLOR	PA
EPA 8081 B	METHOXYCHLOR	PA
EPA 8081 B - EXTENDED	2,4'-DDD	PA
EPA 8081 B - EXTENDED	2,4'-DDT	PA
EPA 8081 B - EXTENDED	MIREX	PA
EPA 8082 A	AROCLOR-1221 (PCB-1221)	PA
EPA 8082 A	AROCLOR-1242 (PCB-1242)	PA
EPA 8082 A	AROCLOR-1254 (PCB-1254)	PA
EPA 8082 A - EXTENDED	AROCLOR-1262 (PCB-1262)	PA
EPA 8151 A	2,4,5-T	PA
EPA 8151 A	2,4-DB	PA
EPA 8151 A	DICAMBA	PA
EPA 8151 A	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	PA
EPA 8151 A	MCPP	PA
EPA 8151 A	PICLORAM	PA
EPA 8260 C	1,1,1,2-TETRACHLOROETHANE	PA
EPA 8260 C	1,1,2,2-TETRACHLOROETHANE	PA
EPA 8260 C	1,1-DICHLOROETHANE	PA

METHOD	ANALYTE	PRIMARY
EPA 8015 D	METHANOL	PA
EPA 8015 D - EXTENDED	1-BUTANOL (N-BUTANOL, N-BUTYL ALCOHOL)	PA
EPA 8015 D - EXTENDED	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	PA
EPA 8015 D - EXTENDED	TRIETHYLENE GLYCOL	PA
EPA 8081 B	4,4'-DDE	PA
EPA 8081 B	ALDRIN	PA
EPA 8081 B	ALPHA-CHLORDANE (CIS-CHLORDANE)	PA
EPA 8081 B	CHLORDANE, TOTAL	PA
EPA 8081 B	DIELDRIN	PA
EPA 8081 B	ENDOSULFAN II	PA
EPA 8081 B	ENDRIN	PA
EPA 8081 B	ENDRIN KETONE	PA
EPA 8081 B	GAMMA-CHLORDANE (TRANS-CHLORDANE)	PA
EPA 8081 B	HEPTACHLOR EPOXIDE	PA
EPA 8081 B	TOXAPHENE (CHLORINATED CAMPHENE)	PA
EPA 8081 B - EXTENDED	2,4'-DDE	PA
EPA 8081 B - EXTENDED	KEPONE	PA
EPA 8082 A	AROCLOR-1016 (PCB-1016)	PA
EPA 8082 A	AROCLOR-1232 (PCB-1232)	PA
EPA 8082 A	AROCLOR-1248 (PCB-1248)	PA
EPA 8082 A	AROCLOR-1260 (PCB-1260)	PA
EPA 8082 A - EXTENDED	AROCLOR-1268 (PCB-1268)	PA
EPA 8151 A	2,4-D	PA
EPA 8151 A	DALAPON	PA
EPA 8151 A	DICHLOROPROP (DICHLORPROP)	PA
EPA 8151 A	MCPA	PA
EPA 8151 A	PENTACHLOROPHENOL	PA
EPA 8151 A	SILVEX (2,4,5-TP)	PA
EPA 8260 C	1,1,1-TRICHLOROETHANE	PA
EPA 8260 C	1,1,2-TRICHLOROETHANE	PA
EPA 8260 C	1,1-DICHLOROETHYLENE	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8260 C	1,1-DICHLOROPROPENE	PA
EPA 8260 C	1,2,3-TRICHLOROPROPANE	PA
EPA 8260 C	1,2,4-TRIMETHYLBENZENE	PA
EPA 8260 C	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	PA
EPA 8260 C	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	PA
EPA 8260 C	1,3,5-TRIMETHYLBENZENE	PA
EPA 8260 C	1,3-DICHLOROPROPANE	PA
EPA 8260 C	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	PA
EPA 8260 C	2,2-DICHLOROPROPANE	PA
EPA 8260 C	2-CHLOROETHYL VINYL ETHER	PA
EPA 8260 C	2-HEXANONE	PA
EPA 8260 C	4-CHLOROTOLUENE	PA
EPA 8260 C	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	PA
EPA 8260 C	ACETONITRILE	PA
EPA 8260 C	ACRYLONITRILE	PA
EPA 8260 C	BENZENE	PA
EPA 8260 C	BROMOBENZENE	PA
EPA 8260 C	BROMODICHLOROMETHANE	PA
EPA 8260 C	CARBON DISULFIDE	PA
EPA 8260 C	CHLOROBENZENE	PA
EPA 8260 C	CHLOROETHANE (ETHYL CHLORIDE)	PA
EPA 8260 C	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	PA
EPA 8260 C	CIS-1,3-DICHLOROPROPENE	PA
EPA 8260 C	DIBROMOMETHANE (METHYLENE BROMIDE)	PA
EPA 8260 C	DIETHYL ETHER	PA
EPA 8260 C	ETHYL ACETATE	PA
EPA 8260 C	ETHYL-T-BUTYLETHER (2-ETHOXY-2-METHYLPROPANE, ETBE)	PA
EPA 8260 C	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	PA
EPA 8260 C	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	PA
EPA 8260 C	1,2,3-TRICHLOROBENZENE	PA
EPA 8260 C	1,2,4-TRICHLOROBENZENE	PA
EPA 8260 C	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	PA
EPA 8260 C	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	PA
EPA 8260 C	1,2-DICHLOROPROPANE	PA
EPA 8260 C	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	PA
EPA 8260 C	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	PA
EPA 8260 C	1-BUTANOL (N-BUTANOL, N-BUTYL ALCOHOL)	PA
EPA 8260 C	2-BUTANONE (METHYL ETHYL KETONE, MEK)	PA
EPA 8260 C	2-CHLOROTOLUENE	PA
EPA 8260 C	2-NITROPROPANE	PA
EPA 8260 C	4-ISOPROPYLTOLUENE (P-CYMENE, P-ISOPROPYLTOLUENE)	PA
EPA 8260 C	ACETONE	PA
EPA 8260 C	ACROLEIN (PROPENAL)	PA
EPA 8260 C	ALLYL CHLORIDE (3-CHLOROPROPENE)	PA
EPA 8260 C	BENZYL CHLORIDE	PA
EPA 8260 C	BROMOCHLOROMETHANE	PA
EPA 8260 C	BROMOFORM	PA
EPA 8260 C	CARBON TETRACHLORIDE	PA
EPA 8260 C	CHLORODIBROMOMETHANE	PA
EPA 8260 C	CHLOROFORM	PA
EPA 8260 C	CIS-1,2-DICHLOROETHYLENE	PA
EPA 8260 C	CYCLOHEXANE	PA
EPA 8260 C	DICHLORODIFLUOROMETHANE (FREON-12)	PA
EPA 8260 C	ETHANOL	PA
EPA 8260 C	ETHYL METHACRYLATE	PA
EPA 8260 C	ETHYLBENZENE	PA
EPA 8260 C	IODOMETHANE (METHYL IODIDE)	PA
EPA 8260 C	ISOPROPYL ALCOHOL (2-PROPANOL, ISOPROPANOL)	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8260 C	ISOPROPYLBENZENE	PA
EPA 8260 C	METHACRYLONITRILE	PA
EPA 8260 C	METHYL CHLORIDE (CHLOROMETHANE)	PA
EPA 8260 C	METHYL TERT-BUTYL ETHER (MTBE)	PA
EPA 8260 C	METHYLENE CHLORIDE (DICHLOROMETHANE)	PA
EPA 8260 C	N-PROPYLBENZENE	PA
EPA 8260 C	O-XYLENE	PA
EPA 8260 C	PROPIONITRILE (ETHYL CYANIDE)	PA
EPA 8260 C	STYRENE	PA
EPA 8260 C	TERT-BUTYL ALCOHOL (2-METHYL-2-PROPANOL)	PA
EPA 8260 C	TETRACHLOROETHENE (PERCHLOROETHENE)	PA
EPA 8260 C	TRANS-1,2-DICHLOROETHENE	PA
EPA 8260 C	TRANS-1,4-DICHLORO-2-BUTENE	PA
EPA 8260 C	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	PA
EPA 8260 C	VINYL CHLORIDE (CHLOROETHENE)	PA
EPA 8260 C - EXTENDED	1,1,2-TRICHLORO-1,2,2-TRIFLUORO ETHANE (FREON 113)	PA
EPA 8260 C - EXTENDED	1,2-DICHLORO-1,1,2-TRIFLUOROET HANE (FREON 123A)	PA
EPA 8260 C - EXTENDED	1,3-BUTADIENE	PA
EPA 8260 C - EXTENDED	CYCLOHEXANONE	PA
EPA 8260 C - EXTENDED	DIMETHYL ETHER	PA
EPA 8260 C - EXTENDED	METHYL ACETATE	PA
EPA 8260 C - EXTENDED	N-HEPTANE	PA
EPA 8260 C - EXTENDED	TERT-AMYL ALCOHOL (TAA)	PA
EPA 8260 C - EXTENDED	TETRAHYDROFURAN (THF)	PA
EPA 8260 D	1,1,1,2-TETRACHLOROETHANE	PA
EPA 8260 D	1,1,2,2-TETRACHLOROETHANE	PA
EPA 8260 D	1,1,2-TRICHLOROETHANE	PA
EPA 8260 D	1,1-DICHLOROETHYLENE	PA
EPA 8260 D	1,2,3-TRICHLOROBENZENE	PA
EPA 8260 C	M+P-XYLENE	PA
EPA 8260 C	METHYL BROMIDE (BROMOMETHANE)	PA
EPA 8260 C	METHYL METHACRYLATE	PA
EPA 8260 C	METHYLCYCLOHEXANE	PA
EPA 8260 C	N-BUTYLBENZENE	PA
EPA 8260 C	NAPHTHALENE	PA
EPA 8260 C	PENTACHLOROETHANE	PA
EPA 8260 C	SEC-BUTYLBENZENE	PA
EPA 8260 C	TERT-AMYL METHYL ETHER (TAME)	PA
EPA 8260 C	TERT-BUTYLBENZENE	PA
EPA 8260 C	TOLUENE	PA
EPA 8260 C	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	PA
EPA 8260 C	TRICHLOROETHENE (TRICHLOROETHYLENE)	PA
EPA 8260 C	VINYL ACETATE	PA
EPA 8260 C	XYLENE (TOTAL)	PA
EPA 8260 C - EXTENDED	1,2,3-TRIMETHYLBENZENE	PA
EPA 8260 C - EXTENDED	1,3,5-TRICHLOROBENZENE	PA
EPA 8260 C - EXTENDED	3,3-DIMETHYL-1-BUTANOL	PA
EPA 8260 C - EXTENDED	DI-ISOPROPYLETHER (DIPE, ISOPROPYL ETHER)	PA
EPA 8260 C - EXTENDED	GASOLINE RANGE ORGANICS (GRO)	PA
EPA 8260 C - EXTENDED	N-BUTYL-ACETATE	PA
EPA 8260 C - EXTENDED	N-HEXANE	PA
EPA 8260 C - EXTENDED	TERT-BUTYL FORMATE	PA
EPA 8260 C SIM	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	PA
EPA 8260 D	1,1,1-TRICHLOROETHANE	PA
EPA 8260 D	1,1,2-TRICHLORO-1,2,2-TRIFLUORO ETHANE (FREON 113)	PA
EPA 8260 D	1,1-DICHLOROETHANE	PA
EPA 8260 D	1,1-DICHLOROPROPENE	PA
EPA 8260 D	1,2,3-TRICHLOROPROPANE	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8260 D	1,2,3-TRIMETHYLBENZENE	PA
EPA 8260 D	1,2,4-TRIMETHYLBENZENE	PA
EPA 8260 D	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	PA
EPA 8260 D	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	PA
EPA 8260 D	1,3,5-TRIMETHYLBENZENE	PA
EPA 8260 D	1,3-DICHLOROPROPANE	PA
EPA 8260 D	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	PA
EPA 8260 D	1-CHLOROHEXANE	PA
EPA 8260 D	2-BUTANONE (METHYL ETHYL KETONE, MEK)	PA
EPA 8260 D	2-CHLOROTOLUENE	PA
EPA 8260 D	2-NITROPROPANE	PA
EPA 8260 D	4-ISOPROPYLTOLUENE (P-CYMENE, P-ISOPROPYLTOLUENE)	PA
EPA 8260 D	ACETONE	PA
EPA 8260 D	ACROLEIN (PROPENAL)	PA
EPA 8260 D	ALLYL CHLORIDE (3-CHLOROPROPENE)	PA
EPA 8260 D	BENZYL CHLORIDE	PA
EPA 8260 D	BROMOCHLOROMETHANE	PA
EPA 8260 D	BROMOFORM	PA
EPA 8260 D	CARBON TETRACHLORIDE	PA
EPA 8260 D	CHLORODIBROMOMETHANE	PA
EPA 8260 D	CHLOROFORM	PA
EPA 8260 D	CIS-1,2-DICHLOROETHYLENE	PA
EPA 8260 D	CYCLOHEXANE	PA
EPA 8260 D	DIBROMOMETHANE (METHYLENE BROMIDE)	PA
EPA 8260 D	DIETHYL ETHER	PA
EPA 8260 D	ETHYL ACETATE	PA
EPA 8260 D	ETHYL-T-BUTYLETHER (2-ETHOXY-2-METHYLPROPANE, ETBE)	PA
EPA 8260 D	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	PA
EPA 8260 D	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	PA
EPA 8260 D	1,2,4-TRICHLOROBENZENE	PA
EPA 8260 D	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	PA
EPA 8260 D	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	PA
EPA 8260 D	1,2-DICHLOROPROPANE	PA
EPA 8260 D	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	PA
EPA 8260 D	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	PA
EPA 8260 D	1-BUTANOL (N-BUTANOL, N-BUTYL ALCOHOL)	PA
EPA 8260 D	2,2-DICHLOROPROPANE	PA
EPA 8260 D	2-CHLOROETHYL VINYL ETHER	PA
EPA 8260 D	2-HEXANONE	PA
EPA 8260 D	4-CHLOROTOLUENE	PA
EPA 8260 D	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	PA
EPA 8260 D	ACETONITRILE	PA
EPA 8260 D	ACRYLONITRILE	PA
EPA 8260 D	BENZENE	PA
EPA 8260 D	BROMOBENZENE	PA
EPA 8260 D	BROMODICHLOROMETHANE	PA
EPA 8260 D	CARBON DISULFIDE	PA
EPA 8260 D	CHLOROBENZENE	PA
EPA 8260 D	CHLOROETHANE (ETHYL CHLORIDE)	PA
EPA 8260 D	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	PA
EPA 8260 D	CIS-1,3-DICHLOROPROPENE	PA
EPA 8260 D	DI-ISOPROPYLETHER (DIPE, ISOPROPYL ETHER)	PA
EPA 8260 D	DICHLORODIFLUOROMETHANE (FREON-12)	PA
EPA 8260 D	ETHANOL	PA
EPA 8260 D	ETHYL METHACRYLATE	PA
EPA 8260 D	ETHYLBENZENE	PA
EPA 8260 D	IODOMETHANE (METHYL IODIDE)	PA
EPA 8260 D	ISOPROPYL ALCOHOL (2-PROPANOL, ISOPROPANOL)	PA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8260 D	ISOPROPYLBENZENE	PA
EPA 8260 D	METHACRYLONITRILE	PA
EPA 8260 D	METHYL ACRYLATE	PA
EPA 8260 D	METHYL CHLORIDE (CHLOROMETHANE)	PA
EPA 8260 D	METHYL TERT-BUTYL ETHER (MTBE)	PA
EPA 8260 D	METHYLENE CHLORIDE (DICHLOROMETHANE)	PA
EPA 8260 D	N-PROPYLBENZENE	PA
EPA 8260 D	O-XYLENE	PA
EPA 8260 D	PROPIONITRILE (ETHYL CYANIDE)	PA
EPA 8260 D	STYRENE	PA
EPA 8260 D	TERT-BUTYL ALCOHOL (2-METHYL-2-PROPANOL)	PA
EPA 8260 D	TETRACHLOROETHENE (PERCHLOROETHENE)	PA
EPA 8260 D	TRANS-1,2-DICHLOROETHENE	PA
EPA 8260 D	TRANS-1,4-DICHLORO-2-BUTENE	PA
EPA 8260 D	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	PA
EPA 8260 D	VINYL CHLORIDE (CHLOROETHENE)	PA
EPA 8260 D - EXTENDED	1,2-DICHLORO-1,1,2-TRIFLUOROETHANE (FREON 123A)	PA
EPA 8260 D - EXTENDED	1,3-BUTADIENE	PA
EPA 8260 D - EXTENDED	CYCLOHEXANONE	PA
EPA 8260 D - EXTENDED	DIMETHYL ETHER	PA
EPA 8260 D - EXTENDED	N-BUTYL-ACETATE	PA
EPA 8260 D - EXTENDED	N-HEXANE	PA
EPA 8260 D - EXTENDED	TERT-BUTYL FORMATE	PA
EPA 8260 D SIM	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	PA
EPA 8270 D	1,2,4,5-TETRACHLOROBENZENE	PA
EPA 8270 D	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	PA
EPA 8270 D	1,3,5-TRINITROBENZENE (1,3,5-TNB)	PA
EPA 8270 D	1,3-DINITROBENZENE (1,3-DNB)	PA
EPA 8270 D	1,4-DINITROBENZENE (1,4-DNB)	PA
EPA 8260 D	M+P-XYLENE	PA
EPA 8260 D	METHYL ACETATE	PA
EPA 8260 D	METHYL BROMIDE (BROMOMETHANE)	PA
EPA 8260 D	METHYL METHACRYLATE	PA
EPA 8260 D	METHYLCYCLOHEXANE	PA
EPA 8260 D	N-BUTYLBENZENE	PA
EPA 8260 D	NAPHTHALENE	PA
EPA 8260 D	PENTACHLOROETHANE	PA
EPA 8260 D	SEC-BUTYLBENZENE	PA
EPA 8260 D	TERT-AMYL METHYL ETHER (TAME)	PA
EPA 8260 D	TERT-BUTYLBENZENE	PA
EPA 8260 D	TOLUENE	PA
EPA 8260 D	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	PA
EPA 8260 D	TRICHLOROETHENE (TRICHLOROETHYLENE)	PA
EPA 8260 D	VINYL ACETATE	PA
EPA 8260 D	XYLENE (TOTAL)	PA
EPA 8260 D - EXTENDED	1,3,5-TRICHLOROBENZENE	PA
EPA 8260 D - EXTENDED	1,3-DIETHYLBENZENE	PA
EPA 8260 D - EXTENDED	DICHLOROFLUOROMETHANE (FREON 21)	PA
EPA 8260 D - EXTENDED	ETHYL ACRYLATE	PA
EPA 8260 D - EXTENDED	N-HEPTANE	PA
EPA 8260 D - EXTENDED	TERT-AMYL ALCOHOL (TAA)	PA
EPA 8260 D - EXTENDED	TETRAHYDROFURAN (THF)	PA
EPA 8260 D SIM	VINYL CHLORIDE (CHLOROETHENE)	PA
EPA 8270 D	1,2,4-TRICHLOROBENZENE	PA
EPA 8270 D	1,2-DIPHENYLHYDRAZINE	PA
EPA 8270 D	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	PA
EPA 8270 D	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	PA
EPA 8270 D	1,4-NAPHTHOQUINONE	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8270 D	1,4-PHENYLENEDIAMINE	PA
EPA 8270 D	1-NAPHTHYLAMINE	PA
EPA 8270 D	2,3,4,6-TETRACHLOROPHENOL	PA
EPA 8270 D	2,4,6-TRICHLOROPHENOL	PA
EPA 8270 D	2,4-DIMETHYLPHENOL	PA
EPA 8270 D	2,4-DINITROTOLUENE (2,4-DNT)	PA
EPA 8270 D	2,6-DINITROTOLUENE (2,6-DNT)	PA
EPA 8270 D	2-CHLORONAPHTHALENE	PA
EPA 8270 D	2-METHYL-4,6-DINITROPHENOL (4,6-DINITRO-2-METHYLPHENOL)	PA
EPA 8270 D	2-METHYLPHENOL (O-CRESOL)	PA
EPA 8270 D	2-NITROANILINE	PA
EPA 8270 D	2-PICOLINE (2-METHYLPYRIDINE)	PA
EPA 8270 D	3,3'-DIMETHYLBENZIDINE	PA
EPA 8270 D	3-NITROANILINE	PA
EPA 8270 D	4-AMINOBIPHENYL	PA
EPA 8270 D	4-CHLORO-3-METHYLPHENOL	PA
EPA 8270 D	4-CHLOROPHENYL PHENYLETHER	PA
EPA 8270 D	4-NITROANILINE	PA
EPA 8270 D	4-NITROQUINOLINE-1-OXIDE	PA
EPA 8270 D	7,12-DIMETHYLBENZ(A) ANTHRACENE	PA
EPA 8270 D	ACENAPHTHENE	PA
EPA 8270 D	ACETOPHENONE	PA
EPA 8270 D	ANTHRACENE	PA
EPA 8270 D	BENZIDINE	PA
EPA 8270 D	BENZO(A)PYRENE	PA
EPA 8270 D	BENZO(G,H,I)PERYLENE	PA
EPA 8270 D	BENZOIC ACID	PA
EPA 8270 D	BIS(2-CHLOROETHOXY)METHANE	PA
EPA 8270 D	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	PA
EPA 8270 D	CHLOROBENZILATE	PA
EPA 8270 D	DI-N-BUTYL PHTHALATE	PA
EPA 8270 D	DIALLATE	PA
EPA 8270 D	DIBENZO(A,H) ANTHRACENE	PA
EPA 8270 D	DIETHYL PHTHALATE	PA
EPA 8270 D	DIMETHYL PHTHALATE	PA

METHOD	ANALYTE	PRIMARY
EPA 8270 D	1-CHLORONAPHTHALENE	PA
EPA 8270 D	2,2'-OXYBIS(1-CHLOROPROPANE)	PA
EPA 8270 D	2,4,5-TRICHLOROPHENOL	PA
EPA 8270 D	2,4-DICHLOROPHENOL	PA
EPA 8270 D	2,4-DINITROPHENOL	PA
EPA 8270 D	2,6-DICHLOROPHENOL	PA
EPA 8270 D	2-ACETYLAMINOFLUORENE	PA
EPA 8270 D	2-CHLOROPHENOL	PA
EPA 8270 D	2-METHYLNAPHTHALENE	PA
EPA 8270 D	2-NAPHTHYLAMINE	PA
EPA 8270 D	2-NITROPHENOL	PA
EPA 8270 D	3,3'-DICHLOROBENZIDINE	PA
EPA 8270 D	3-METHYLCHOLANTHRENE	PA
EPA 8270 D	4,4'-METHYLENEBIS-2-CHLOROANILINE	PA
EPA 8270 D	4-BROMOPHENYL PHENYL ETHER (BDE-3)	PA
EPA 8270 D	4-CHLOROANILINE	PA
EPA 8270 D	4-DIMETHYL AMINOAZOBENZENE	PA
EPA 8270 D	4-NITROPHENOL	PA
EPA 8270 D	5-NITRO-O-TOLUIDINE	PA
EPA 8270 D	A-A-DIMETHYLPHENETHYLAMINE	PA
EPA 8270 D	ACENAPHTHYLENE	PA
EPA 8270 D	ANILINE	PA
EPA 8270 D	ARAMITE	PA
EPA 8270 D	BENZO(A)ANTHRACENE	PA
EPA 8270 D	BENZO(B)FLUORANTHENE	PA
EPA 8270 D	BENZO(K)FLUORANTHENE	PA
EPA 8270 D	BENZYL ALCOHOL	PA
EPA 8270 D	BIS(2-CHLOROETHYL) ETHER	PA
EPA 8270 D	BUTYL BENZYL PHTHALATE	PA
EPA 8270 D	CHRYSENE	PA
EPA 8270 D	DI-N-OCTYL PHTHALATE	PA
EPA 8270 D	DIBENZ(A, J) ACRIDINE	PA
EPA 8270 D	DIBENZOFURAN	PA
EPA 8270 D	DIMETHOATE	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8270 D	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	PA
EPA 8270 D	DISULFOTON	PA
EPA 8270 D	FAMPHUR	PA
EPA 8270 D	FLUORENE	PA
EPA 8270 D	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	PA
EPA 8270 D	HEXACHLOROETHANE	PA
EPA 8270 D	INDENO(1,2,3-CD) PYRENE	PA
EPA 8270 D	ISOPHORONE	PA
EPA 8270 D	KEPONE	PA
EPA 8270 D	METHYL METHANESULFONATE	PA
EPA 8270 D	N-NITROSO-DI-N-BUTYLAMINE	PA
EPA 8270 D	N-NITROSODIETHYLAMINE	PA
EPA 8270 D	N-NITROSODIPHENYLAMINE	PA
EPA 8270 D	N-NITROSOMORPHOLINE	PA
EPA 8270 D	N-NITROSOPYRROLIDINE	PA
EPA 8270 D	NITROBENZENE	PA
EPA 8270 D	O-TOLUIDINE (2-METHYLANILINE)	PA
EPA 8270 D	PENTACHLOROBENZENE	PA
EPA 8270 D	PENTACHLOROPHENOL	PA
EPA 8270 D	PHENANTHRENE	PA
EPA 8270 D	PHORATE	PA
EPA 8270 D	PRONAMIDE (KERB)	PA
EPA 8270 D	SAFROLE	PA
EPA 8270 D	THIONAZIN (ZINOPHOS, DIETHYL-O-2-PYRAZINYL PHOSPHOROTHIONATE)	PA
EPA 8270 D - EXTENDED	1,2,3,4-TETRACHLOROBENZENE	PA
EPA 8270 D - EXTENDED	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	PA
EPA 8270 D - EXTENDED	3+4-METHYLPHENOL (M+P CRESOL)	PA
EPA 8270 D - EXTENDED	ATRAZINE	PA
EPA 8270 D - EXTENDED	CAPROLACTAM	PA
EPA 8270 D - EXTENDED	DIBENZ(A,H) ACRIDINE	PA
EPA 8270 D - EXTENDED	N,N-DIMETHYLFORMAMIDE	PA
EPA 8270 D - EXTENDED	QUINOLINE	PA
EPA 8270 D SIM	ACENAPHTHENE	PA
EPA 8270 D	DIPHENYLAMINE	PA
EPA 8270 D	ETHYL METHANESULFONATE	PA
EPA 8270 D	FLUORANTHENE	PA
EPA 8270 D	HEXACHLOROBENZENE	PA
EPA 8270 D	HEXACHLOROCYCLOPENTADIENE	PA
EPA 8270 D	HEXACHLOROPROPENE	PA
EPA 8270 D	ISODRIN	PA
EPA 8270 D	ISOSAFROLE	PA
EPA 8270 D	METHAPYRILENE	PA
EPA 8270 D	METHYL PARATHION (PARATHION, METHYL)	PA
EPA 8270 D	N-NITROSODI-N-PROPYLAMINE	PA
EPA 8270 D	N-NITROSODIMETHYLAMINE	PA
EPA 8270 D	N-NITROSOMETHYLETHYLAMINE	PA
EPA 8270 D	N-NITROSOPIPERIDINE	PA
EPA 8270 D	NAPHTHALENE	PA
EPA 8270 D	O,O,O-TRIETHYL PHOSPHOROTHIOATE	PA
EPA 8270 D	PARATHION (PARATHION - ETHYL)	PA
EPA 8270 D	PENTACHLORONITROBENZENE	PA
EPA 8270 D	PHENACETIN	PA
EPA 8270 D	PHENOL	PA
EPA 8270 D	PHTHALIC ANHYDRIDE	PA
EPA 8270 D	PYRENE	PA
EPA 8270 D	SULFOTEP (TETRAETHYL DITHIOPYROPHOSPHATE, TEDP)	PA
EPA 8270 D - EXTENDED	1,1'-BIPHENYL (BZ-0)	PA
EPA 8270 D - EXTENDED	1,2,3,5-TETRACHLOROBENZENE	PA
EPA 8270 D - EXTENDED	1-METHYLNAPHTHALENE	PA
EPA 8270 D - EXTENDED	6-METHYLCHRYSENE	PA
EPA 8270 D - EXTENDED	BENZALDEHYDE	PA
EPA 8270 D - EXTENDED	CARBAZOLE	PA
EPA 8270 D - EXTENDED	INDENE	PA
EPA 8270 D - EXTENDED	PYRIDINE	PA
EPA 8270 D SIM	2-METHYLNAPHTHALENE	PA
EPA 8270 D SIM	ACENAPHTHYLENE	PA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8270 D SIM	ANTHRACENE	PA
EPA 8270 D SIM	BENZO(A)PYRENE	PA
EPA 8270 D SIM	BENZO(G,H,I)PERYLENE	PA
EPA 8270 D SIM	CHRYSENE	PA
EPA 8270 D SIM	FLUORANTHENE	PA
EPA 8270 D SIM	INDENO(1,2,3-CD) PYRENE	PA
EPA 8270 D SIM	PHENANTHRENE	PA
EPA 8270 D SIM - EXTENDED	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	PA
EPA 8270 E	1,1'-BIPHENYL (BZ-0)	PA
EPA 8270 E	1,2,4-TRICHLOROBENZENE	PA
EPA 8270 E	1,2-DIPHENYLHYDRAZINE	PA
EPA 8270 E	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	PA
EPA 8270 E	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	PA
EPA 8270 E	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	PA
EPA 8270 E	1-CHLORONAPHTHALENE	PA
EPA 8270 E	1-NAPHTHYLAMINE	PA
EPA 8270 E	2,4,5-TRICHLOROPHENOL	PA
EPA 8270 E	2,4-DICHLOROPHENOL	PA
EPA 8270 E	2,4-DINITROPHENOL	PA
EPA 8270 E	2,6-DICHLOROPHENOL	PA
EPA 8270 E	2-ACETYLAMINOFLUORENE	PA
EPA 8270 E	2-CHLOROPHENOL	PA
EPA 8270 E	2-METHYLNAPHTHALENE	PA
EPA 8270 E	2-NAPHTHYLAMINE	PA
EPA 8270 E	2-NITROPHENOL	PA
EPA 8270 E	3+4-METHYLPHENOL (M+P CRESOL)	PA
EPA 8270 E	3,3'-DIMETHYLBENZIDINE	PA
EPA 8270 E	3-NITROANILINE	PA
EPA 8270 E	4-AMINOBIPHENYL	PA
EPA 8270 E	4-CHLORO-3-METHYLPHENOL	PA
EPA 8270 E	4-CHLOROPHENYL PHENYLETHER	PA
EPA 8270 E	4-NITROPHENOL	PA
EPA 8270 E	5-NITRO-O-TOLUIDINE	PA
EPA 8270 D SIM	BENZO(A)ANTHRACENE	PA
EPA 8270 D SIM	BENZO(B)FLUORANTHENE	PA
EPA 8270 D SIM	BENZO(K)FLUORANTHENE	PA
EPA 8270 D SIM	DIBENZO(A,H) ANTHRACENE	PA
EPA 8270 D SIM	FLUORENE	PA
EPA 8270 D SIM	NAPHTHALENE	PA
EPA 8270 D SIM	PYRENE	PA
EPA 8270 D SIM - EXTENDED	1-METHYLNAPHTHALENE	PA
EPA 8270 E	1,2,4,5-TETRACHLOROBENZENE	PA
EPA 8270 E	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	PA
EPA 8270 E	1,3,5-TRINITROBENZENE (1,3,5-TNB)	PA
EPA 8270 E	1,3-DINITROBENZENE (1,3-DNB)	PA
EPA 8270 E	1,4-DINITROBENZENE (1,4-DNB)	PA
EPA 8270 E	1,4-NAPHTHOQUINONE	PA
EPA 8270 E	1-METHYLNAPHTHALENE	PA
EPA 8270 E	2,3,4,6-TETRACHLOROPHENOL	PA
EPA 8270 E	2,4,6-TRICHLOROPHENOL	PA
EPA 8270 E	2,4-DIMETHYLPHENOL	PA
EPA 8270 E	2,4-DINITROTOLUENE (2,4-DNT)	PA
EPA 8270 E	2,6-DINITROTOLUENE (2,6-DNT)	PA
EPA 8270 E	2-CHLORONAPHTHALENE	PA
EPA 8270 E	2-METHYL-4,6-DINITROPHENOL (4,6-DINITRO-2-METHYLPHENOL)	PA
EPA 8270 E	2-METHYLPHENOL (O-CRESOL)	PA
EPA 8270 E	2-NITROANILINE	PA
EPA 8270 E	2-PICOLINE (2-METHYLPYRIDINE)	PA
EPA 8270 E	3,3'-DICHLOROBENZIDINE	PA
EPA 8270 E	3-METHYLCHOLANTHRENE	PA
EPA 8270 E	4,4'-METHYLENEBIS-2-CHLOROANILINE	PA
EPA 8270 E	4-BROMOPHENYL PHENYL ETHER (BDE-3)	PA
EPA 8270 E	4-CHLOROANILINE	PA
EPA 8270 E	4-NITROANILINE	PA
EPA 8270 E	4-NITROQUINOLINE-1-OXIDE	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8270 E	7,12-DIMETHYLBENZ(A) ANTHRACENE	PA
EPA 8270 E	ACENAPHTHENE	PA
EPA 8270 E	ACENAPHTHYLENE	PA
EPA 8270 E	ACETOPHENONE	PA
EPA 8270 E	ANILINE	PA
EPA 8270 E	ANTHRACENE	PA
EPA 8270 E	ARAMITE	PA
EPA 8270 E	ATRAZINE	PA
EPA 8270 E	BENZALDEHYDE	PA
EPA 8270 E	BENZIDINE	PA
EPA 8270 E	BENZO(A)ANTHRACENE	PA
EPA 8270 E	BENZO(A)PYRENE	PA
EPA 8270 E	BENZO(B)FLUORANTHENE	PA
EPA 8270 E	BENZO(G,H,I)PERYLENE	PA
EPA 8270 E	BENZO(K)FLUORANTHENE	PA
EPA 8270 E	BENZOIC ACID	PA
EPA 8270 E	BENZYL ALCOHOL	PA
EPA 8270 E	BIS(2-CHLOROETHOXY)METHANE	PA
EPA 8270 E	BIS(2-CHLOROETHYL) ETHER	PA
EPA 8270 E	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	PA
EPA 8270 E	BUTYL BENZYL PHTHALATE	PA
EPA 8270 E	CAPROLACTAM	PA
EPA 8270 E	CARBAZOLE	PA
EPA 8270 E	CHLOROBENZILATE	PA
EPA 8270 E	CHRYSENE	PA
EPA 8270 E	DI-N-BUTYL PHTHALATE	PA
EPA 8270 E	DI-N-OCTYL PHTHALATE	PA
EPA 8270 E	DIALLATE	PA
EPA 8270 E	DIBENZ(A, J) ACRIDINE	PA
EPA 8270 E	DIBENZO(A,H) ANTHRACENE	PA
EPA 8270 E	DIBENZOFURAN	PA
EPA 8270 E	DIETHYL PHTHALATE	PA
EPA 8270 E	DIMETHOATE	PA
EPA 8270 E	DIMETHYL PHTHALATE	PA
EPA 8270 E	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	PA
EPA 8270 E	DIPHENYLAMINE	PA
EPA 8270 E	DISULFOTON	PA
EPA 8270 E	ETHYL METHANESULFONATE	PA
EPA 8270 E	FAMPHUR	PA
EPA 8270 E	FLUORANTHENE	PA
EPA 8270 E	FLUORENE	PA
EPA 8270 E	HEXACHLOROBENZENE	PA
EPA 8270 E	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	PA
EPA 8270 E	HEXACHLOROCYCLOPENTADIENE	PA
EPA 8270 E	HEXACHLOROETHANE	PA
EPA 8270 E	HEXACHLOROPROPENE	PA
EPA 8270 E	INDENO(1,2,3-CD) PYRENE	PA
EPA 8270 E	ISODRIN	PA
EPA 8270 E	ISOPHORONE	PA
EPA 8270 E	ISOSAFROLE	PA
EPA 8270 E	KEPONE	PA
EPA 8270 E	METHYL METHANESULFONATE	PA
EPA 8270 E	METHYL PARATHION (PARATHION, METHYL)	PA
EPA 8270 E	N-NITROSO-DI-N-BUTYLAMINE	PA
EPA 8270 E	N-NITROSODI-N-PROPYLAMINE	PA
EPA 8270 E	N-NITROSODIETHYLAMINE	PA
EPA 8270 E	N-NITROSODIMETHYLAMINE	PA
EPA 8270 E	N-NITROSODIPHENYLAMINE	PA
EPA 8270 E	N-NITROSOMETHYLETHYLAMINE	PA
EPA 8270 E	N-NITROSOMORPHOLINE	PA
EPA 8270 E	N-NITROSOPIPERIDINE	PA
EPA 8270 E	N-NITROSOPYRROLIDINE	PA
EPA 8270 E	NAPHTHALENE	PA
EPA 8270 E	NITROBENZENE	PA
EPA 8270 E	O,O,O-TRIETHYL PHOSPHOROTHIOATE	PA
EPA 8270 E	O-TOLUIDINE (2-METHYLANILINE)	PA
EPA 8270 E	PARATHION (PARATHION - ETHYL)	PA
EPA 8270 E	PENTACHLOROBENZENE	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8270 E	PENTACHLORONITROBENZENE	PA
EPA 8270 E	PHENACETIN	PA
EPA 8270 E	PHENOL	PA
EPA 8270 E	PRONAMIDE (KERB)	PA
EPA 8270 E	PYRIDINE	PA
EPA 8270 E	SULFOTEP (TETRAETHYL DITHIOPYROPHOSPHATE, TEDP)	PA
EPA 8270 E - EXTENDED	2,2'-OXYBIS(1-CHLOROPROPANE)	PA
EPA 8270 E - EXTENDED	6-METHYLCHRYSENE	PA
EPA 8270 E - EXTENDED	DIBENZ(A,H) ACRIDINE	PA
EPA 8270 E - EXTENDED	QUINOLINE	PA
EPA 8270 E - GC/MS-MS	1,1'-BIPHENYL (BZ-0)	PA
EPA 8270 E - GC/MS-MS	1,2,4-TRICHLOROBENZENE	PA
EPA 8270 E - GC/MS-MS	1,2-DIPHENYLHYDRAZINE	PA
EPA 8270 E - GC/MS-MS	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	PA
EPA 8270 E - GC/MS-MS	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	PA
EPA 8270 E - GC/MS-MS	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	PA
EPA 8270 E - GC/MS-MS	1-CHLORONAPHTHALENE	PA
EPA 8270 E - GC/MS-MS	1-NAPHTHYLAMINE	PA
EPA 8270 E - GC/MS-MS	2,4,5-TRICHLOROPHENOL	PA
EPA 8270 E - GC/MS-MS	2,4-DICHLOROPHENOL	PA
EPA 8270 E - GC/MS-MS	2,4-DINITROPHENOL	PA
EPA 8270 E - GC/MS-MS	2,6-DICHLOROPHENOL	PA
EPA 8270 E - GC/MS-MS	2-ACETYLAMINOFLUORENE	PA
EPA 8270 E - GC/MS-MS	2-CHLOROPHENOL	PA
EPA 8270 E - GC/MS-MS	2-METHYLNAPHTHALENE	PA
EPA 8270 E - GC/MS-MS	2-NAPHTHYLAMINE	PA
EPA 8270 E - GC/MS-MS	2-NITROPHENOL	PA
EPA 8270 E - GC/MS-MS	3,3'-DICHLOROBENZIDINE	PA
EPA 8270 E - GC/MS-MS	3-METHYLCHOLANTHRENE	PA
EPA 8270 E - GC/MS-MS	4,4'-DDD	PA
EPA 8270 E - GC/MS-MS	4,4'-DDT	PA
EPA 8270 E - GC/MS-MS	4-AMINOBIPHENYL	PA
EPA 8270 E - GC/MS-MS	4-CHLORO-3-METHYLPHENOL	PA
EPA 8270 E	PENTACHLOROPHENOL	PA
EPA 8270 E	PHENANTHRENE	PA
EPA 8270 E	PHORATE	PA
EPA 8270 E	PYRENE	PA
EPA 8270 E	SAFROLE	PA
EPA 8270 E	THIONAZIN (ZINOPHOS, DIETHYL-O-2-PYRAZINYL PHOSPHOROTHIONATE)	PA
EPA 8270 E - EXTENDED	4-DIMETHYL AMINOAZOBENZENE	PA
EPA 8270 E - EXTENDED	ALPHA-TERPINEOL	PA
EPA 8270 E - EXTENDED	INDENE	PA
EPA 8270 E - EXTENDED	TRIETHYLAMINE	PA
EPA 8270 E - GC/MS-MS	1,2,4,5-TETRACHLOROBENZENE	PA
EPA 8270 E - GC/MS-MS	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	PA
EPA 8270 E - GC/MS-MS	1,3,5-TRINITROBENZENE (1,3,5-TNB)	PA
EPA 8270 E - GC/MS-MS	1,3-DINITROBENZENE (1,3-DNB)	PA
EPA 8270 E - GC/MS-MS	1,4-DINITROBENZENE (1,4-DNB)	PA
EPA 8270 E - GC/MS-MS	1,4-NAPHTHOQUINONE	PA
EPA 8270 E - GC/MS-MS	1-METHYLNAPHTHALENE	PA
EPA 8270 E - GC/MS-MS	2,3,4,6-TETRACHLOROPHENOL	PA
EPA 8270 E - GC/MS-MS	2,4,6-TRICHLOROPHENOL	PA
EPA 8270 E - GC/MS-MS	2,4-DIMETHYLPHENOL	PA
EPA 8270 E - GC/MS-MS	2,4-DINITROTOLUENE (2,4-DNT)	PA
EPA 8270 E - GC/MS-MS	2,6-DINITROTOLUENE (2,6-DNT)	PA
EPA 8270 E - GC/MS-MS	2-CHLORONAPHTHALENE	PA
EPA 8270 E - GC/MS-MS	2-METHYL-4,6-DINITROPHENOL (4,6-DINITRO-2-METHYLPHENOL)	PA
EPA 8270 E - GC/MS-MS	2-METHYLPHENOL (O-CRESOL)	PA
EPA 8270 E - GC/MS-MS	2-NITROANILINE	PA
EPA 8270 E - GC/MS-MS	2-PICOLINE (2-METHYLPYRIDINE)	PA
EPA 8270 E - GC/MS-MS	3,3'-DIMETHYLBENZIDINE	PA
EPA 8270 E - GC/MS-MS	3-NITROANILINE	PA
EPA 8270 E - GC/MS-MS	4,4'-DDE	PA
EPA 8270 E - GC/MS-MS	4,4'-METHYLENEBIS-2-CHLOROANILINE	PA
EPA 8270 E - GC/MS-MS	4-BROMOPHENYL PHENYL ETHER (BDE-3)	PA
EPA 8270 E - GC/MS-MS	4-CHLOROANILINE	PA

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8270 E - GC/MS-MS	4-CHLOROPHENYL PHENYLETHER	PA
EPA 8270 E - GC/MS-MS	4-NITROANILINE	PA
EPA 8270 E - GC/MS-MS	4-NITROQUINOLINE-1-OXIDE	PA
EPA 8270 E - GC/MS-MS	7,12-DIMETHYLBENZ(A) ANTHRACENE	PA
EPA 8270 E - GC/MS-MS	ACENAPHTHYLENE	PA
EPA 8270 E - GC/MS-MS	ALDRIN	PA
EPA 8270 E - GC/MS-MS	ANILINE	PA
EPA 8270 E - GC/MS-MS	ATRAZINE	PA
EPA 8270 E - GC/MS-MS	BENZIDINE	PA
EPA 8270 E - GC/MS-MS	BENZO(A)PYRENE	PA
EPA 8270 E - GC/MS-MS	BENZO(G,H,I)PERYLENE	PA
EPA 8270 E - GC/MS-MS	BENZOIC ACID	PA
EPA 8270 E - GC/MS-MS	BETA-BHC (BETA-HEXACHLOROCYCLOHEXANE)	PA
EPA 8270 E - GC/MS-MS	BIS(2-CHLOROETHYL) ETHER	PA
EPA 8270 E - GC/MS-MS	BUTYL BENZYL PHTHALATE	PA
EPA 8270 E - GC/MS-MS	CARBAZOLE	PA
EPA 8270 E - GC/MS-MS	CHRYSENE	PA
EPA 8270 E - GC/MS-MS	DI-N-BUTYL PHTHALATE	PA
EPA 8270 E - GC/MS-MS	DIALLATE	PA
EPA 8270 E - GC/MS-MS	DIBENZO(A,H) ANTHRACENE	PA
EPA 8270 E - GC/MS-MS	DIELDRIN	PA
EPA 8270 E - GC/MS-MS	DIMETHOATE	PA
EPA 8270 E - GC/MS-MS	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	PA
EPA 8270 E - GC/MS-MS	ENDOSULFAN II	PA
EPA 8270 E - GC/MS-MS	ENDRIN	PA
EPA 8270 E - GC/MS-MS	ENDRIN KETONE	PA
EPA 8270 E - GC/MS-MS	FLUORANTHENE	PA
EPA 8270 E - GC/MS-MS	GAMMA-BHC (LINDANE, GAMMA-HEXACHLOROCYCLOHEXANE)	PA
EPA 8270 E - GC/MS-MS	HEPTACHLOR EPOXIDE	PA
EPA 8270 E - GC/MS-MS	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	PA
EPA 8270 E - GC/MS-MS	HEXACHLOROETHANE	PA
EPA 8270 E - GC/MS-MS	4-METHYLPHENOL (P-CRESOL)	PA
EPA 8270 E - GC/MS-MS	4-NITROPHENOL	PA
EPA 8270 E - GC/MS-MS	5-NITRO-O-TOLUIDINE	PA
EPA 8270 E - GC/MS-MS	ACENAPHTHENE	PA
EPA 8270 E - GC/MS-MS	ACETOPHENONE	PA
EPA 8270 E - GC/MS-MS	ALPHA-BHC (ALPHA-HEXACHLOROCYCLOHEXANE)	PA
EPA 8270 E - GC/MS-MS	ANTHRACENE	PA
EPA 8270 E - GC/MS-MS	BENZALDEHYDE	PA
EPA 8270 E - GC/MS-MS	BENZO(A)ANTHRACENE	PA
EPA 8270 E - GC/MS-MS	BENZO(B)FLUORANTHENE	PA
EPA 8270 E - GC/MS-MS	BENZO(K)FLUORANTHENE	PA
EPA 8270 E - GC/MS-MS	BENZYL ALCOHOL	PA
EPA 8270 E - GC/MS-MS	BIS(2-CHLOROETHOXY)METHANE	PA
EPA 8270 E - GC/MS-MS	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	PA
EPA 8270 E - GC/MS-MS	CAPROLACTAM	PA
EPA 8270 E - GC/MS-MS	CHLOROBENZILATE	PA
EPA 8270 E - GC/MS-MS	DELTA-BHC	PA
EPA 8270 E - GC/MS-MS	DI-N-OCTYL PHTHALATE	PA
EPA 8270 E - GC/MS-MS	DIBENZ(A, J) ACRIDINE	PA
EPA 8270 E - GC/MS-MS	DIBENZOFURAN	PA
EPA 8270 E - GC/MS-MS	DIETHYL PHTHALATE	PA
EPA 8270 E - GC/MS-MS	DIMETHYL PHTHALATE	PA
EPA 8270 E - GC/MS-MS	ENDOSULFAN I	PA
EPA 8270 E - GC/MS-MS	ENDOSULFAN SULFATE	PA
EPA 8270 E - GC/MS-MS	ENDRIN ALDEHYDE	PA
EPA 8270 E - GC/MS-MS	ETHYL METHANESULFONATE	PA
EPA 8270 E - GC/MS-MS	FLUORENE	PA
EPA 8270 E - GC/MS-MS	HEPTACHLOR	PA
EPA 8270 E - GC/MS-MS	HEXACHLOROBENZENE	PA
EPA 8270 E - GC/MS-MS	HEXACHLOROCYCLOPENTADIENE	PA
EPA 8270 E - GC/MS-MS	HEXACHLOROPROPENE	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8270 E - GC/MS-MS	INDENO(1,2,3-CD) PYRENE	PA
EPA 8270 E - GC/MS-MS	ISOPHORONE	PA
EPA 8270 E - GC/MS-MS	METHOXYCHLOR	PA
EPA 8270 E - GC/MS-MS	METHYL PARATHION (PARATHION, METHYL)	PA
EPA 8270 E - GC/MS-MS	N-NITROSODI-N-PROPYLAMINE	PA
EPA 8270 E - GC/MS-MS	N-NITROSODIMETHYLAMINE	PA
EPA 8270 E - GC/MS-MS	N-NITROSOMETHYLETHYLAMINE	PA
EPA 8270 E - GC/MS-MS	N-NITROSOPIPERIDINE	PA
EPA 8270 E - GC/MS-MS	NAPHTHALENE	PA
EPA 8270 E - GC/MS-MS	O,O,O-TRIETHYL PHOSPHOROTHIOATE	PA
EPA 8270 E - GC/MS-MS	PARATHION (PARATHION - ETHYL)	PA
EPA 8270 E - GC/MS-MS	PENTACHLORONITROBENZENE	PA
EPA 8270 E - GC/MS-MS	PHENACETIN	PA
EPA 8270 E - GC/MS-MS	PHENOL	PA
EPA 8270 E - GC/MS-MS	PRONAMIDE (KERB)	PA
EPA 8270 E - GC/MS-MS	PYRIDINE	PA
EPA 8270 E - GC/MS-MS	SULFOTEP (TETRAETHYL DITHIOPYROPHOSPHATE, TEDP)	PA
EPA 8270 E - GC/MS-MS - EXTENDED	2,2'-OXYBIS(1-CHLOROPROPANE)	PA
EPA 8270 E - GC/MS-MS - EXTENDED	6-METHYLCHRYSENE	PA
EPA 8270 E - GC/MS-MS - EXTENDED	ALPHA-TERPINEOL	PA
EPA 8270 E - GC/MS-MS - EXTENDED	DIPHENYL ETHER (DIPHENYL OXIDE)	PA
EPA 8270 E - GC/MS-MS - EXTENDED	INDENE	PA
EPA 8270 E - GC/MS-MS - EXTENDED	QUINOLINE	PA
EPA 8270 E SIM	1-METHYLNAPHTHALENE	PA
EPA 8270 E SIM	ACENAPHTHENE	PA
EPA 8270 E SIM	ANTHRACENE	PA
EPA 8270 E SIM	BENZO(A)PYRENE	PA
EPA 8270 E SIM	BENZO(G,H,I)PERYLENE	PA
EPA 8270 E SIM	CHRYSENE	PA
EPA 8270 E SIM	DIBENZOFURAN	PA
EPA 8270 E SIM	FLUORENE	PA
EPA 8270 E SIM	INDENO(1,2,3-CD) PYRENE	PA
EPA 8270 E SIM	PHENANTHRENE	PA

METHOD	ANALYTE	PRIMARY
EPA 8270 E - GC/MS-MS	ISODRIN	PA
EPA 8270 E - GC/MS-MS	ISOSAFROLE	PA
EPA 8270 E - GC/MS-MS	METHYL METHANESULFONATE	PA
EPA 8270 E - GC/MS-MS	N-NITROSO-DI-N-BUTYLAMINE	PA
EPA 8270 E - GC/MS-MS	N-NITROSODIETHYLAMINE	PA
EPA 8270 E - GC/MS-MS	N-NITROSODIPHENYLAMINE	PA
EPA 8270 E - GC/MS-MS	N-NITROSOMORPHOLINE	PA
EPA 8270 E - GC/MS-MS	N-NITROSOPYRROLIDINE	PA
EPA 8270 E - GC/MS-MS	NITROBENZENE	PA
EPA 8270 E - GC/MS-MS	O-TOLUIDINE (2-METHYLANILINE)	PA
EPA 8270 E - GC/MS-MS	PENTACHLOROBENZENE	PA
EPA 8270 E - GC/MS-MS	PENTACHLOROPHENOL	PA
EPA 8270 E - GC/MS-MS	PHENANTHRENE	PA
EPA 8270 E - GC/MS-MS	PHORATE	PA
EPA 8270 E - GC/MS-MS	PYRENE	PA
EPA 8270 E - GC/MS-MS	SAFROLE	PA
EPA 8270 E - GC/MS-MS	THIONAZIN (ZINOPHOS, DIETHYL-O-2-PYRAZINYL PHOSPHOROTHIONATE)	PA
EPA 8270 E - GC/MS-MS - EXTENDED	4-DIMETHYL AMINOAZOBENZENE	PA
EPA 8270 E - GC/MS-MS - EXTENDED	ALPHA-CHLORDANE (CIS-CHLORDANE)	PA
EPA 8270 E - GC/MS-MS - EXTENDED	DIBENZ(A,H) ACRIDINE	PA
EPA 8270 E - GC/MS-MS - EXTENDED	GAMMA-CHLORDANE (TRANS-CHLORDANE)	PA
EPA 8270 E - GC/MS-MS - EXTENDED	OCTACHLOROSTYRENE	PA
EPA 8270 E SIM	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	PA
EPA 8270 E SIM	2-METHYLNAPHTHALENE	PA
EPA 8270 E SIM	ACENAPHTHYLENE	PA
EPA 8270 E SIM	BENZO(A)ANTHRACENE	PA
EPA 8270 E SIM	BENZO(B)FLUORANTHENE	PA
EPA 8270 E SIM	BENZO(K)FLUORANTHENE	PA
EPA 8270 E SIM	DIBENZO(A,H) ANTHRACENE	PA
EPA 8270 E SIM	FLUORANTHENE	PA
EPA 8270 E SIM	HEXACHLOROBENZENE	PA
EPA 8270 E SIM	NAPHTHALENE	PA
EPA 8270 E SIM	PYRENE	PA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8290 A	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN (OCDD)	PA
EPA 8290 A	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN (1,2,3,4,6,7,8-HPCDD)	PA
EPA 8290 A	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN (1,2,3,4,7,8,9-HPCDF)	PA
EPA 8290 A	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN (1,2,3,4,7,8-HXCDF)	PA
EPA 8290 A	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN (1,2,3,6,7,8-HXCDF)	PA
EPA 8290 A	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN (1,2,3,7,8,9-HXCDF)	PA
EPA 8290 A	1,2,3,7,8-PENTACHLORODIBENZOFURAN (1,2,3,7,8-PECDF)	PA
EPA 8290 A	2,3,4,7,8-PENTACHLORODIBENZOFURAN	PA
EPA 8290 A	2,3,7,8-TETRACHLORODIBENZOFURAN (2,3,7,8-TCDF)	PA
EPA 8290 A - EXTENDED	TOTAL HEPTACHLORODIBENZOFURAN (HPCDF, TOTAL)	PA
EPA 8290 A - EXTENDED	TOTAL HEXACHLORODIBENZOFURAN (HXCDF, TOTAL)	PA
EPA 8290 A - EXTENDED	TOTAL PENTACHLORODIBENZOFURAN (PECDF, TOTAL)	PA
EPA 8290 A - EXTENDED	TOTAL TETRACHLORODIBENZOFURAN (TCDF, TOTAL)	PA
EPA 8315 A	FORMALDEHYDE	PA
EPA 8330 B	1,3-DINITROBENZENE (1,3-DNB)	PA
EPA 8330 B	2,4-DINITROTOLUENE (2,4-DNT)	PA
EPA 8330 B	2-AMINO-4,6-DINITROTOLUENE (2-AM-DNT)	PA
EPA 8330 B	3,5-DINITROANILINE	PA
EPA 8330 B	4-AMINO-2,6-DINITROTOLUENE (4-AM-DNT)	PA
EPA 8330 B	METHYL-2,4,6-TRINITROPHENYLNITRAMINE (TETRYL)	PA
EPA 8330 B	NITROGLYCERIN	PA
EPA 8330 B	PENTAERYTHRITOLTETRANITRATE (PETN)	PA
EPA 8330 B - EXTENDED	2,4-DIAMINO-6-NITROTOLUENE	PA
EPA 9012 B	CYANIDE, TOTAL	PA
EPA 8290 A	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN (OCDF)	PA
EPA 8290 A	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN (1,2,3,4,6,7,8-HPCDF)	PA
EPA 8290 A	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN (1,2,3,4,7,8-HXCDD)	PA
EPA 8290 A	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN(1,2,3,6,7,8-HXCDD)	PA
EPA 8290 A	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN (1,2,3,7,8,9-HXCDD)	PA
EPA 8290 A	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN (1,2,3,7,8-PECDD)	PA
EPA 8290 A	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN (2,3,4,6,7,8-HXCDF)	PA
EPA 8290 A	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (2,3,7,8-TCDD)	PA
EPA 8290 A - EXTENDED	TOTAL HEPTACHLORODIBENZO-P-DIOXIN (HPCDD, TOTAL)	PA
EPA 8290 A - EXTENDED	TOTAL HEXACHLORODIBENZO-P-DIOXIN (HXCDD, TOTAL)	PA
EPA 8290 A - EXTENDED	TOTAL PENTACHLORODIBENZO-P-DIOXIN (PECDD, TOTAL)	PA
EPA 8290 A - EXTENDED	TOTAL TETRACHLORODIBENZO-P-DIOXIN (TCDD, TOTAL)	PA
EPA 8315 A	ACETALDEHYDE	PA
EPA 8330 B	1,3,5-TRINITROBENZENE (1,3,5-TNB)	PA
EPA 8330 B	2,4,6-TRINITROTOLUENE (2,4,6-TNT)	PA
EPA 8330 B	2,6-DINITROTOLUENE (2,6-DNT)	PA
EPA 8330 B	2-NITROTOLUENE	PA
EPA 8330 B	3-NITROTOLUENE	PA
EPA 8330 B	4-NITROTOLUENE	PA
EPA 8330 B	NITROBENZENE	PA
EPA 8330 B	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	PA
EPA 8330 B	RDX (HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE)	PA
EPA 8330 B - EXTENDED	2,6-DIAMINO-4-NITROTOLUENE	PA
EPA 9040 C	PH	PA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 9050 A	CONDUCTIVITY	PA
EPA 9056 A	CHLORIDE	PA
EPA 9056 A	NITRATE AS N	PA
EPA 9056 A	SULFATE	PA
EPA 9066	TOTAL PHENOLICS	PA
OIA-1677-09	CYANIDE, AVAILABLE	PA
RSK-175	ETHANE	PA
RSK-175	METHANE	PA
SM 2130 B-2020	TURBIDITY	PA
SM 2320 B-2021	ALKALINITY AS CACO3	PA
SM 2510 B-2021	CONDUCTIVITY	PA
SM 2540 C-2020	RESIDUE-FILTERABLE (TDS)	PA
SM 2540 F-2020	RESIDUE-SETTLEABLE	PA
SM 4500-CL$^-$ C-2021	CHLORIDE	PA
SM 4500-F$^-$ C-2021	FLUORIDE	PA
SM 4500-NH3 C-2021	AMMONIA AS N	PA
SM 4500-P B 5-2021	PREP: TOTAL PHOSPHORUS	PA
SM 4500-P F-2021	PHOSPHORUS, TOTAL	PA
SM 4500-S2$^-$ F-2021	SULFIDE	PA
SM 5210 B-2016	BIOCHEMICAL OXYGEN DEMAND (BOD)	PA
SM 5310 C-2014	TOTAL ORGANIC CARBON (TOC)	PA

METHOD	ANALYTE	PRIMARY
EPA 9056 A	BROMIDE	PA
EPA 9056 A	FLUORIDE	PA
EPA 9056 A	NITRITE AS N	PA
EPA 9060 A	TOTAL ORGANIC CARBON (TOC)	PA
EPA 9095 B	FREE LIQUID	PA
OIA-1677-09	CYANIDE, FREE	PA
RSK-175	ETHENE (ETHYLENE)	PA
SM 2120 B-2021	COLOR	PA
SM 2310 B-2020	ACIDITY, AS CACO3	PA
SM 2340 C-2021	TOTAL HARDNESS AS CACO3	PA
SM 2540 B-2020	RESIDUE-TOTAL (TS)	PA
SM 2540 D-2020	RESIDUE-NONFILTERABLE (TSS)	PA
SM 3500-CR B-2020	CHROMIUM VI	PA
SM 4500-F$^-$ B-2021	FLUORIDE	PA
SM 4500-NH3 B-2021	AMMONIA AS N	PA
SM 4500-NH3 D-2021	AMMONIA AS N	PA
SM 4500-P E-2021	ORTHOPHOSPHATE AS P	PA
SM 4500-S2$^-$ D-2021	SULFIDE	PA
SM 4500-SIO2 C-2021	SILICA AS SIO2	PA
SM 5210 B-2016	CARBONACEOUS BOD (CBOD)	PA
SM 5540 C-2021	SURFACTANTS - MBAS	PA

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 1010 B	FLASHPOINT	PA
EPA 1312	PREP: SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP)	PA
EPA 1613 B	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN (OCDF)	PA
EPA 1613 B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN (1,2,3,4,6,7,8-HPCDF)	PA
EPA 1613 B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN (1,2,3,4,7,8-HXCDD)	PA
EPA 1613 B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN(1,2,3,6,7,8-HXCDD)	PA
EPA 1613 B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN (1,2,3,7,8,9-HXCDD)	PA
EPA 1613 B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN (1,2,3,7,8-PECDD)	PA
EPA 1613 B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN (2,3,4,6,7,8-HXCDF)	PA

METHOD	ANALYTE	PRIMARY
EPA 1311	PREP: TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)	PA
EPA 1613 B	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN (OCDD)	PA
EPA 1613 B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN (1,2,3,4,6,7,8-HPCDD)	PA
EPA 1613 B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN (1,2,3,4,7,8,9-HPCDF)	PA
EPA 1613 B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN (1,2,3,4,7,8-HXCDF)	PA
EPA 1613 B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN (1,2,3,6,7,8-HXCDF)	PA
EPA 1613 B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN (1,2,3,7,8,9-HXCDF)	PA
EPA 1613 B	1,2,3,7,8-PENTACHLORODIBENZOFURAN (1,2,3,7,8-PECDF)	PA
EPA 1613 B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 1613 B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (2,3,7,8-TCDD)	PA
EPA 1633A	11-CHLOROEICOSAFLUORO-3-OXA UNDECANE-1-SULFONIC ACID (11CL-PF3OUDS)	PA
EPA 1633A	1H, 1H, 2H, 2H-PERFLUOROHEXANE SULFONIC ACID (4:2 FTS)	PA
EPA 1633A	2H,2H,3H,3H-PERFLUOROOCTANOIC ACID (5:3 FTCA)	PA
EPA 1633A	3-PERFLUOROPROPYL PROPANOIC ACID (3:3 FTCA)	PA
EPA 1633A	9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC ACID (9CL-PF3ONS)	PA
EPA 1633A	N-ETHYL PERFLUOROOCTANESULFONAMIDE (NETFOSA, ETFOSAM)	PA
EPA 1633A	N-ETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (N-ETFOSAA)	PA
EPA 1633A	N-METHYL PERFLUOROOCTANESULFONAMIDOETHANOL (NMEFOSE, MEFOSE)	PA
EPA 1633A	NONAFLUORO-3,6-DIOXAHEPTANOIC ACID (NFDHA)	PA
EPA 1633A	PERFLUORO-1-BUTANESULFONIC ACID (PFBS)	PA
EPA 1633A	PERFLUORO-1-HEPTANESULFONIC ACID (PFHPS)	PA
EPA 1633A	PERFLUORO-1-NONANESULFONIC ACID (PFNS)	PA
EPA 1633A	PERFLUORO-1-OCTANESULFONIC ACID (PFOS)	PA
EPA 1633A	PERFLUORO-3-METHOXYPROPANOIC ACID (PFMPA)	PA
EPA 1633A	PERFLUOROBUTANOIC ACID (PFBA)	PA
EPA 1633A	PERFLUORODODECANESULFONIC ACID (PFDOS)	PA
EPA 1633A	PERFLUOROHEPTANOIC ACID (PFHPA)	PA
EPA 1633A	PERFLUORONONANOIC ACID (PFNA)	PA
EPA 1633A	PERFLUOROPENTANOIC ACID (PFPEA)	PA
EPA 1633A	PERFLUOROTRIDECANOIC ACID (PFTRDA)	PA
EPA 1668 A	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL (BZ-206)	PA
EPA 1668 A	2,2',3,3',4,4',5,6'-OCTACHLOROBIPHENYL (BZ-196)	PA
EPA 1613 B	2,3,7,8-TETRACHLORODIBENZOFURAN (2,3,7,8-TCDF)	PA
EPA 1633A	1H, 1H, 2H, 2H-PERFLUORODECANE SULFONIC ACID (8:2 FTS)	PA
EPA 1633A	1H, 1H, 2H, 2H-PERFLUOROOCTANE SULFONIC ACID (6:2 FTS)	PA
EPA 1633A	3-PERFLUOROHEPTYL PROPANOIC ACID (7:3 FTCA)	PA
EPA 1633A	4,8-DIOXA-3H-PERFLUORONONANOIC ACID (ADONA, DONA)	PA
EPA 1633A	HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA, GENX)	PA
EPA 1633A	N-ETHYL PERFLUOROOCTANESULFONAMIDOETHANOL (NETFOSE, ETFOSE)	PA
EPA 1633A	N-METHYL PERFLUOROOCTANESULFONAMIDE (NMEFOSA, MEFOSA)	PA
EPA 1633A	N-METHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (N-MEFOSAA)	PA
EPA 1633A	PERFLUORO(2-ETHOXYETHANE)SULFONIC ACID (PFEESA)	PA
EPA 1633A	PERFLUORO-1-DECANESULFONIC ACID (PFDS)	PA
EPA 1633A	PERFLUORO-1-HEXANESULFONIC ACID (PFHXS)	PA
EPA 1633A	PERFLUORO-1-OCTANESULFONAMIDE (PFOSA, PFOSAM)	PA
EPA 1633A	PERFLUORO-1-PENTANESULFONIC ACID (PFPES)	PA
EPA 1633A	PERFLUORO-4-METHOXYBUTANOIC ACID (PFMBA)	PA
EPA 1633A	PERFLUORODECANOIC ACID (PFDA)	PA
EPA 1633A	PERFLUORODODECANOIC ACID (PFDOA, PFDODA)	PA
EPA 1633A	PERFLUOROHEXANOIC ACID (PFHXA)	PA
EPA 1633A	PERFLUOROOCTANOIC ACID (PFOA)	PA
EPA 1633A	PERFLUOROTETRADECANOIC ACID (PFTA, PFTDA, PFTEDA)	PA
EPA 1633A	PERFLUOROUNDECANOIC ACID (PFUNA, PFUNDA)	PA
EPA 1668 A	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL (BZ-194)	PA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 1668 A	2,2',3,3',4,4',5,6,6'-NONACHLOROBIPHENYL (BZ-207)	PA
EPA 1668 A	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL (BZ-170)	PA
EPA 1668 A	2,2',3,3',4,4',6-HEPTACHLOROBIPHENYL (BZ-171)	PA
EPA 1668 A	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL (BZ-177)	PA
EPA 1668 A	2,2',3,3',4,5',6-HEPTACHLOROBIPHENYL (BZ-175)	PA
EPA 1668 A	2,2',3,3',4,5,5',6'-OCTACHLOROBIPHENYL (BZ-199)	PA
EPA 1668 A	2,2',3,3',4,5,5',6-OCTACHLOROBIPHENYL (BZ-198)	PA
EPA 1668 A	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL (BZ-174)	PA
EPA 1668 A	2,2',3,3',4,5,6-HEPTACHLOROBIPHENYL (BZ-173)	PA
EPA 1668 A	2,2',3,3',4,6'-HEXACHLOROBIPHENYL (BZ-132)	PA
EPA 1668 A	2,2',3,3',4,6-HEXACHLOROBIPHENYL (BZ-131)	PA
EPA 1668 A	2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL (BZ-202)	PA
EPA 1668 A	2,2',3,3',5,5'-HEXACHLOROBIPHENYL (BZ-133)	PA
EPA 1668 A	2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL (BZ-179)	PA
EPA 1668 A	2,2',3,3',5-PENTACHLOROBIPHENYL (BZ-83)	PA
EPA 1668 A	2,2',3,3',6-PENTACHLOROBIPHENYL (BZ-84)	PA
EPA 1668 A	2,2',3,4',5',6-HEXACHLOROBIPHENYL (BZ-149)	PA
EPA 1668 A	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL (BZ-187)	PA
EPA 1668 A	2,2',3,4',5,6'-HEXACHLOROBIPHENYL (BZ-148)	PA
EPA 1668 A	2,2',3,4',5,6-HEXACHLOROBIPHENYL (BZ-147)	PA
EPA 1668 A	2,2',3,4',6'-PENTACHLOROBIPHENYL (BZ-98)	PA
EPA 1668 A	2,2',3,4',6-PENTACHLOROBIPHENYL (BZ-91)	PA
EPA 1668 A	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL (BZ-183)	PA
EPA 1668 A	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL (BZ-203)	PA
EPA 1668 A	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL (BZ-182)	PA
EPA 1668 A	2,2',3,4,4',5,6-OCTACHLOROBIPHENYL BZ-195)	PA
EPA 1668 A	2,2',3,3',4,4',6,6'-OCTACHLOROBIPHENYL (BZ-197)	PA
EPA 1668 A	2,2',3,3',4,4'-HEXACHLOROBIPHENYL (BZ-128)	PA
EPA 1668 A	2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL (BZ-201)	PA
EPA 1668 A	2,2',3,3',4,5'-HEXACHLOROBIPHENYL (BZ-130)	PA
EPA 1668 A	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL (BZ-208)	PA
EPA 1668 A	2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL (BZ-172)	PA
EPA 1668 A	2,2',3,3',4,5,6,6'-OCTACHLOROBIPHENYL (BZ-200)	PA
EPA 1668 A	2,2',3,3',4,5-HEXACHLOROBIPHENYL (BZ-129)	PA
EPA 1668 A	2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL (BZ-176)	PA
EPA 1668 A	2,2',3,3',4-PENTACHLOROBIPHENYL (BZ-82)	PA
EPA 1668 A	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL (BZ-178)	PA
EPA 1668 A	2,2',3,3',5,6'-HEXACHLOROBIPHENYL (BZ-135)	PA
EPA 1668 A	2,2',3,3',5,6-HEXACHLOROBIPHENYL (BZ-134)	PA
EPA 1668 A	2,2',3,3',6,6'-HEXACHLOROBIPHENYL (BZ-136)	PA
EPA 1668 A	2,2',3,3'-TETRACHLOROBIPHENYL (BZ-40)	PA
EPA 1668 A	2,2',3,4',5'-PENTACHLOROBIPHENYL (BZ-97)	PA
EPA 1668 A	2,2',3,4',5,5'-HEXACHLOROBIPHENYL (BZ-146)	PA
EPA 1668 A	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL (BZ-188)	PA
EPA 1668 A	2,2',3,4',5-PENTACHLOROBIPHENYL (BZ-90)	PA
EPA 1668 A	2,2',3,4',6,6'-HEXACHLOROBIPHENYL (BZ-150)	PA
EPA 1668 A	2,2',3,4'-TETRACHLOROBIPHENYL (BZ-42)	PA
EPA 1668 A	2,2',3,4,4',5'-HEXACHLOROBIPHENYL (BZ-138)	PA
EPA 1668 A	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL (BZ-180)	PA
EPA 1668 A	2,2',3,4,4',5,6,6'-OCTACHLOROBIPHENYL (BZ-204)	PA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 1668 A	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL (BZ-181)	PA
EPA 1668 A	2,2',3,4,4',6'-HEXACHLOROBIPHENYL (BZ-140)	PA
EPA 1668 A	2,2',3,4,4',6-HEXACHLOROBIPHENYL (BZ-139)	PA
EPA 1668 A	2,2',3,4,5',6-HEXACHLOROBIPHENYL (BZ-144)	PA
EPA 1668 A	2,2',3,4,5,5',6-HEPTACHLOROBIPHENYL (BZ-185)	PA
EPA 1668 A	2,2',3,4,5,6'-HEXACHLOROBIPHENYL (BZ-143)	PA
EPA 1668 A	2,2',3,4,5,6-HEXACHLOROBIPHENYL (BZ-142)	PA
EPA 1668 A	2,2',3,4,6'-PENTACHLOROBIPHENYL (BZ-89)	PA
EPA 1668 A	2,2',3,4,6-PENTACHLOROBIPHENYL (BZ-88)	PA
EPA 1668 A	2,2',3,5',6-PENTACHLOROBIPHENYL (BZ-95)	PA
EPA 1668 A	2,2',3,5,5',6-HEXACHLOROBIPHENYL (BZ-151)	PA
EPA 1668 A	2,2',3,5,6'-PENTACHLOROBIPHENYL (BZ-94)	PA
EPA 1668 A	2,2',3,5,6-PENTACHLOROBIPHENYL (BZ-93)	PA
EPA 1668 A	2,2',3,6'-TETRACHLOROBIPHENYL (BZ-46)	PA
EPA 1668 A	2,2',3,6-TETRACHLOROBIPHENYL (BZ-45)	PA
EPA 1668 A	2,2',4,4',5,5'-HEXACHLOROBIPHENYL (BZ-153)	PA
EPA 1668 A	2,2',4,4',5-PENTACHLOROBIPHENYL (BZ-99)	PA
EPA 1668 A	2,2',4,4',6-PENTACHLOROBIPHENYL (BZ-100)	PA
EPA 1668 A	2,2',4,5',6-PENTACHLOROBIPHENYL (BZ-103)	PA
EPA 1668 A	2,2',4,5,5'-PENTACHLOROBIPHENYL (BZ-101)	PA
EPA 1668 A	2,2',4,5-TETRACHLOROBIPHENYL (BZ-48)	PA
EPA 1668 A	2,2',4,6,6'-PENTACHLOROBIPHENYL (BZ-104)	PA
EPA 1668 A	2,2',4-TRICHLOROBIPHENYL (BZ-17)	PA
EPA 1668 A	2,2',5,6'-TETRACHLOROBIPHENYL (BZ-53)	PA
EPA 1668 A	2,2',6,6'-TETRACHLOROBIPHENYL (BZ-54)	PA
EPA 1668 A	2,2',3,4,4',5-HEXACHLOROBIPHENYL (BZ-137)	PA
EPA 1668 A	2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL (BZ-184)	PA
EPA 1668 A	2,2',3,4,4'-PENTACHLOROBIPHENYL (BZ-85)	PA
EPA 1668 A	2,2',3,4,5'-PENTACHLOROBIPHENYL (BZ-87)	PA
EPA 1668 A	2,2',3,4,5,5'-HEXACHLOROBIPHENYL (BZ-141)	PA
EPA 1668 A	2,2',3,4,5,6,6'-HEPTACHLOROBIPHENYL (BZ-186)	PA
EPA 1668 A	2,2',3,4,5-PENTACHLOROBIPHENYL (BZ-86)	PA
EPA 1668 A	2,2',3,4,6,6'-HEXACHLOROBIPHENYL (BZ-145)	PA
EPA 1668 A	2,2',3,4-TETRACHLOROBIPHENYL (BZ-41)	PA
EPA 1668 A	2,2',3,5'-TETRACHLOROBIPHENYL (BZ-44)	PA
EPA 1668 A	2,2',3,5,5'-PENTACHLOROBIPHENYL (BZ-92)	PA
EPA 1668 A	2,2',3,5,6,6'-HEXACHLOROBIPHENYL (BZ-152)	PA
EPA 1668 A	2,2',3,5-TETRACHLOROBIPHENYL (BZ-43)	PA
EPA 1668 A	2,2',3,6,6'-PENTACHLOROBIPHENYL (BZ-96)	PA
EPA 1668 A	2,2',3-TRICHLOROBIPHENYL (BZ-16)	PA
EPA 1668 A	2,2',4,4',5,6'-HEXACHLOROBIPHENYL (BZ-154)	PA
EPA 1668 A	2,2',4,4',6,6'-HEXACHLOROBIPHENYL (BZ-155)	PA
EPA 1668 A	2,2',4,4'-TETRACHLOROBIPHENYL (BZ-47)	PA
EPA 1668 A	2,2',4,5'-TETRACHLOROBIPHENYL (BZ-49)	PA
EPA 1668 A	2,2',4,5,6'-PENTACHLOROBIPHENYL (BZ-102)	PA
EPA 1668 A	2,2',4,6'-TETRACHLOROBIPHENYL (BZ-51)	PA
EPA 1668 A	2,2',4,6-TETRACHLOROBIPHENYL (BZ-50)	PA
EPA 1668 A	2,2',5,5'-TETRACHLOROBIPHENYL (BZ-52)	PA
EPA 1668 A	2,2',5-TRICHLOROBIPHENYL (BZ-18)	PA
EPA 1668 A	2,2',6-TRICHLOROBIPHENYL (BZ-19)	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 1668 A	2,2'-DICHLOROBIPHENYL (BZ-4)	PA
EPA 1668 A	2,3',4',5'-TETRACHLOROBIPHENYL (BZ-76)	PA
EPA 1668 A	2,3',4',5-TETRACHLOROBIPHENYL (BZ-70)	PA
EPA 1668 A	2,3',4'-TRICHLOROBIPHENYL (BZ-33)	PA
EPA 1668 A	2,3',4,4',5'-PENTACHLOROBIPHENYL (BZ-123)	PA
EPA 1668 A	2,3',4,4',5-PENTACHLOROBIPHENYL (BZ-118)	PA
EPA 1668 A	2,3',4,4'-TETRACHLOROBIPHENYL (BZ-66)	PA
EPA 1668 A	2,3',4,5'-TETRACHLOROBIPHENYL (BZ-68)	PA
EPA 1668 A	2,3',4,5-TETRACHLOROBIPHENYL (BZ-67)	PA
EPA 1668 A	2,3',4-TRICHLOROBIPHENYL (BZ-25)	PA
EPA 1668 A	2,3',5'-TRICHLOROBIPHENYL (BZ-34)	PA
EPA 1668 A	2,3',5-TRICHLOROBIPHENYL (BZ-26)	PA
EPA 1668 A	2,3'-DICHLOROBIPHENYL (BZ-6)	PA
EPA 1668 A	2,3,3',4',5'-PENTACHLOROBIPHENYL (BZ-122)	PA
EPA 1668 A	2,3,3',4',5,5'-HEXACHLOROBIPHENYL (BZ-162)	PA
EPA 1668 A	2,3,3',4',5-PENTACHLOROBIPHENYL (BZ-107)	PA
EPA 1668 A	2,3,3',4'-TETRACHLOROBIPHENYL (BZ-56)	PA
EPA 1668 A	2,3,3',4,4',5'-HEXACHLOROBIPHENYL (BZ-157)	PA
EPA 1668 A	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (BZ-189)	PA
EPA 1668 A	2,3,3',4,4',5-HEXACHLOROBIPHENYL (BZ-156)	PA
EPA 1668 A	2,3,3',4,4'-PENTACHLOROBIPHENYL (BZ-105)	PA
EPA 1668 A	2,3,3',4,5'-PENTACHLOROBIPHENYL (BZ-108)	PA
EPA 1668 A	2,3,3',4,5,5'-HEXACHLOROBIPHENYL (BZ-159)	PA
EPA 1668 A	2,3,3',4,5-PENTACHLOROBIPHENYL (BZ-106)	PA
EPA 1668 A	2,3,3',4-TETRACHLOROBIPHENYL (BZ-55)	PA
EPA 1668 A	2,3,4',5',6-PENTACHLOROBIPHENYL (BZ-125)	PA
EPA 1668 A	2,3,4',5,5'-PENTACHLOROBIPHENYL (BZ-124)	PA
EPA 1668 A	2,3,4',6-TETRACHLOROBIPHENYL (BZ-71)	PA
EPA 1668 A	2,3',4,4',5',6-HEXACHLOROBIPHENYL (BZ-168)	PA
EPA 1668 A	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (BZ-167)	PA
EPA 1668 A	2,3',4,4',6-PENTACHLOROBIPHENYL (BZ-119)	PA
EPA 1668 A	2,3',4,5',6-PENTACHLOROBIPHENYL (BZ-121)	PA
EPA 1668 A	2,3',4,5,5'-PENTACHLOROBIPHENYL (BZ-120)	PA
EPA 1668 A	2,3',4,6-TETRACHLOROBIPHENYL (BZ-69)	PA
EPA 1668 A	2,3',5',6-TETRACHLOROBIPHENYL (BZ-73)	PA
EPA 1668 A	2,3',5,5'-TETRACHLOROBIPHENYL (BZ-72)	PA
EPA 1668 A	2,3',6-TRICHLOROBIPHENYL (BZ-27)	PA
EPA 1668 A	2,3,3',4',5',6-HEXACHLOROBIPHENYL (BZ-164)	PA
EPA 1668 A	2,3,3',4',5,5',6-HEPTACHLOROBIPHENYL (BZ-193)	PA
EPA 1668 A	2,3,3',4',5,6-HEXACHLOROBIPHENYL (BZ-163)	PA
EPA 1668 A	2,3,3',4',6-PENTACHLOROBIPHENYL (BZ-110)	PA
EPA 1668 A	2,3,3',4,4',5',6-HEPTACHLOROBIPHENYL (BZ-191)	PA
EPA 1668 A	2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL (BZ-205)	PA
EPA 1668 A	2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL (BZ-190)	PA
EPA 1668 A	2,3,3',4,4',6-HEXACHLOROBIPHENYL (BZ-158)	PA
EPA 1668 A	2,3,3',4,5',6-HEXACHLOROBIPHENYL (BZ-161)	PA
EPA 1668 A	2,3,3',4,5,5',6-HEPTACHLOROBIPHENYL (BZ-192)	PA
EPA 1668 A	2,3,3',4,5,6-HEXACHLOROBIPHENYL (BZ-160)	PA
EPA 1668 A	2,3,3',4,6-PENTACHLOROBIPHENYL (BZ-109)	PA
EPA 1668 A	2,3,3',5',6-PENTACHLOROBIPHENYL (BZ-113)	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 1668 A	2,3,3',5'-TETRACHLOROBIPHENYL (BZ-58)	PA
EPA 1668 A	2,3,3',5,5'-PENTACHLOROBIPHENYL (BZ-111)	PA
EPA 1668 A	2,3,3',5-TETRACHLOROBIPHENYL (BZ-57)	PA
EPA 1668 A	2,3,3'-TRICHLOROBIPHENYL (BZ-20)	PA
EPA 1668 A	2,3,4',5-TETRACHLOROBIPHENYL (BZ-63)	PA
EPA 1668 A	2,3,4'-TRICHLOROBIPHENYL (BZ-22)	PA
EPA 1668 A	2,3,4,4',5-PENTACHLOROBIPHENYL (BZ-114)	PA
EPA 1668 A	2,3,4,4'-TETRACHLOROBIPHENYL (BZ-60)	PA
EPA 1668 A	2,3,4,5-TETRACHLOROBIPHENYL (BZ-61)	PA
EPA 1668 A	2,3,4-TRICHLOROBIPHENYL (BZ-21)	PA
EPA 1668 A	2,3,5-TRICHLOROBIPHENYL (BZ-23)	PA
EPA 1668 A	2,3-DICHLOROBIPHENYL (BZ-5)	PA
EPA 1668 A	2,4',6-TRICHLOROBIPHENYL (BZ-32)	PA
EPA 1668 A	2,4,4',5-TETRACHLOROBIPHENYL (BZ-74)	PA
EPA 1668 A	2,4,4'-TRICHLOROBIPHENYL (BZ-28)	PA
EPA 1668 A	2,4,6-TRICHLOROBIPHENYL (BZ-30)	PA
EPA 1668 A	2,5-DICHLOROBIPHENYL (BZ-9)	PA
EPA 1668 A	2-CHLOROBIPHENYL (BZ-1)	PA
EPA 1668 A	3,3',4,4',5-PENTACHLOROBIPHENYL (BZ-126)	PA
EPA 1668 A	3,3',4,5'-TETRACHLOROBIPHENYL (BZ-79)	PA
EPA 1668 A	3,3',4,5-TETRACHLOROBIPHENYL (BZ-78)	PA
EPA 1668 A	3,3',5,5'-TETRACHLOROBIPHENYL (BZ-80)	PA
EPA 1668 A	3,3'-DICHLOROBIPHENYL (BZ-11)	PA
EPA 1668 A	3,4'-DICHLOROBIPHENYL (BZ-13)	PA
EPA 1668 A	3,4,4'-TRICHLOROBIPHENYL (BZ-37)	PA
EPA 1668 A	3,4-DICHLOROBIPHENYL (BZ-12)	PA
EPA 1668 A	3-CHLOROBIPHENYL (BZ-2)	PA
EPA 1668 A	4-CHLOROBIPHENYL (BZ-3)	PA
EPA 300.0 REV 2.1	CHLORIDE	PA
EPA 1668 A	2,3,3',5,5',6-HEXACHLOROBIPHENYL (BZ-165)	PA
EPA 1668 A	2,3,3',5,6-PENTACHLOROBIPHENYL (BZ-112)	PA
EPA 1668 A	2,3,3',6-TETRACHLOROBIPHENYL (BZ-59)	PA
EPA 1668 A	2,3,4',5,6-PENTACHLOROBIPHENYL (BZ-117)	PA
EPA 1668 A	2,3,4',6-TETRACHLOROBIPHENYL (BZ-64)	PA
EPA 1668 A	2,3,4,4',5,6-HEXACHLOROBIPHENYL (BZ-166)	PA
EPA 1668 A	2,3,4,4',6-PENTACHLOROBIPHENYL (BZ-115)	PA
EPA 1668 A	2,3,4,5,6-PENTACHLOROBIPHENYL (BZ-116)	PA
EPA 1668 A	2,3,4,6-TETRACHLOROBIPHENYL (BZ-62)	PA
EPA 1668 A	2,3,5,6-TETRACHLOROBIPHENYL (BZ-65)	PA
EPA 1668 A	2,3,6-TRICHLOROBIPHENYL (BZ-24)	PA
EPA 1668 A	2,4',5-TRICHLOROBIPHENYL (BZ-31)	PA
EPA 1668 A	2,4'-DICHLOROBIPHENYL (BZ-8)	PA
EPA 1668 A	2,4,4',6-TETRACHLOROBIPHENYL (BZ-75)	PA
EPA 1668 A	2,4,5-TRICHLOROBIPHENYL (BZ-29)	PA
EPA 1668 A	2,4-DICHLOROBIPHENYL (BZ-7)	PA
EPA 1668 A	2,6-DICHLOROBIPHENYL (BZ-10)	PA
EPA 1668 A	3,3',4,4',5,5'-HEXACHLOROBIPHENYL (BZ-169)	PA
EPA 1668 A	3,3',4,4'-TETRACHLOROBIPHENYL (BZ-77)	PA
EPA 1668 A	3,3',4,5,5'-PENTACHLOROBIPHENYL (BZ-127)	PA
EPA 1668 A	3,3',4-TRICHLOROBIPHENYL (BZ-35)	PA
EPA 1668 A	3,3',5-TRICHLOROBIPHENYL (BZ-36)	PA
EPA 1668 A	3,4',5-TRICHLOROBIPHENYL (BZ-39)	PA
EPA 1668 A	3,4,4',5-TETRACHLOROBIPHENYL (BZ-81)	PA
EPA 1668 A	3,4,5-TRICHLOROBIPHENYL (BZ-38)	PA
EPA 1668 A	3,5-DICHLOROBIPHENYL (BZ-14)	PA
EPA 1668 A	4,4'-DICHLOROBIPHENYL (BZ-15)	PA
EPA 1668 A	DECACHLOROBIPHENYL (BZ-209)	PA
EPA 300.0 REV 2.1	FLUORIDE	PA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 300.0 REV 2.1	NITRATE AS N	PA
EPA 300.0 REV 2.1	SULFATE	PA
EPA 351.2 REV 2	KJELDAHL NITROGEN - TOTAL (TKN)	PA
EPA 3550 C	PREP: ULTRASONIC EXTRACTION	PA
EPA 3620 C	PREP: FLORISIL CLEANUP	PA
EPA 3640 A	PREP: GEL PERMEATION CLEANUP	PA
EPA 3660 B	PREP: SULFUR CLEANUP	PA
EPA 5030	PREP: PURGE AND TRAP FOR AQUEOUS SAMPLES	PA
EPA 6010 D	ALUMINUM	PA
EPA 6010 D	ARSENIC	PA
EPA 6010 D	BERYLLIUM	PA
EPA 6010 D	CADMIUM	PA
EPA 6010 D	CHROMIUM	PA
EPA 6010 D	COPPER	PA
EPA 6010 D	LEAD	PA
EPA 6010 D	MAGNESIUM	PA
EPA 6010 D	MOLYBDENUM	PA
EPA 6010 D	POTASSIUM	PA
EPA 6010 D	SILICA AS SIO2	PA
EPA 6010 D	SODIUM	PA
EPA 6010 D	THALLIUM	PA
EPA 6010 D	TITANIUM	PA
EPA 6010 D	ZINC	PA
EPA 6010 D - EXTENDED	THORIUM	PA
EPA 6020 B	ALUMINUM	PA
EPA 6020 B	ARSENIC	PA
EPA 6020 B	BERYLLIUM	PA
EPA 6020 B	CALCIUM	PA
EPA 6020 B	COBALT	PA
EPA 6020 B	IRON	PA
EPA 6020 B	MAGNESIUM	PA
EPA 6020 B	MOLYBDENUM	PA
EPA 6020 B	POTASSIUM	PA
EPA 6020 B	SILVER	PA
EPA 6020 B	THALLIUM	PA
EPA 6020 B	VANADIUM	PA
EPA 300.0 REV 2.1	NITRITE AS N	PA
EPA 3050 B	PREP: ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS	PA
EPA 3546	PREP: MICROWAVE EXTRACTION	PA
EPA 3580 A	PREP: WASTE DILUTION	PA
EPA 3630 C	PREP: SILICA GEL CLEANUP	PA
EPA 365.1 REV 2	PHOSPHORUS, TOTAL	PA
EPA 3665 A	SULFURIC ACID/PERMANGANATE CLEAN-UP	PA
EPA 5035 A	PREP: CLOSED-SYSTEM PURGE AND TRAP AND EXTRACTION	PA
EPA 6010 D	ANTIMONY	PA
EPA 6010 D	BARIUM	PA
EPA 6010 D	BORON	PA
EPA 6010 D	CALCIUM	PA
EPA 6010 D	COBALT	PA
EPA 6010 D	IRON	PA
EPA 6010 D	LITHIUM	PA
EPA 6010 D	MANGANESE	PA
EPA 6010 D	NICKEL	PA
EPA 6010 D	SELENIUM	PA
EPA 6010 D	SILVER	PA
EPA 6010 D	STRONTIUM	PA
EPA 6010 D	TIN	PA
EPA 6010 D	VANADIUM	PA
EPA 6010 D - EXTENDED	SULFUR	PA
EPA 6010 D - EXTENDED	ZIRCONIUM	PA
EPA 6020 B	ANTIMONY	PA
EPA 6020 B	BARIUM	PA
EPA 6020 B	CADMIUM	PA
EPA 6020 B	CHROMIUM	PA
EPA 6020 B	COPPER	PA
EPA 6020 B	LEAD	PA
EPA 6020 B	MANGANESE	PA
EPA 6020 B	NICKEL	PA
EPA 6020 B	SELENIUM	PA
EPA 6020 B	SODIUM	PA
EPA 6020 B	TIN	PA
EPA 6020 B	ZINC	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 6020 B - EXTENDED	STRONTIUM	PA
EPA 6020 B - EXTENDED	URANIUM (MASS)	PA
EPA 7196 A	CHROMIUM VI	PA
EPA 7471 B	MERCURY	PA
EPA 8011	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	PA
EPA 8015 C	ETHANOL	PA
EPA 8015 C	GASOLINE RANGE ORGANICS (GRO)	PA
EPA 8015 C	METHANOL	PA
EPA 8015 D	DIESEL RANGE ORGANICS (DRO)	PA
EPA 8015 D	GASOLINE RANGE ORGANICS (GRO)	PA
EPA 8015 D	METHANOL	PA
EPA 8015 D - EXTENDED	1-BUTANOL (N-BUTANOL, N-BUTYL ALCOHOL)	PA
EPA 8015 D - EXTENDED	PROPYLENE GLYCOL	PA
EPA 8081 B	4,4'-DDD	PA
EPA 8081 B	4,4'-DDT	PA
EPA 8081 B	ALPHA-BHC (ALPHA-HEXACHLOROCYCLOHEXANE)	PA
EPA 8081 B	BETA-BHC (BETA-HEXACHLOROCYCLOHEXANE)	PA
EPA 8081 B	DELTA-BHC	PA
EPA 8081 B	ENDOSULFAN I	PA
EPA 8081 B	ENDOSULFAN SULFATE	PA
EPA 8081 B	ENDRIN ALDEHYDE	PA
EPA 8081 B	GAMMA-BHC (LINDANE, GAMMA-HEXACHLOROCYCLOHEXANE)	PA
EPA 8081 B	HEPTACHLOR	PA
EPA 8081 B	METHOXYCHLOR	PA
EPA 8081 B - EXTENDED	2,4'-DDD	PA
EPA 8081 B - EXTENDED	2,4'-DDT	PA
EPA 8081 B - EXTENDED	MIREX	PA
EPA 8082 A	AROCLOR-1221 (PCB-1221)	PA
EPA 8082 A	AROCLOR-1242 (PCB-1242)	PA
EPA 8082 A	AROCLOR-1254 (PCB-1254)	PA
EPA 8082 A - EXTENDED	AROCLOR-1262 (PCB-1262)	PA
EPA 6020 B - EXTENDED	TITANIUM	PA
EPA 6850	PERCHLORATE	PA
EPA 7199	CHROMIUM VI	PA
EPA 8011	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	PA
EPA 8015 C	DIESEL RANGE ORGANICS (DRO)	PA
EPA 8015 C	ETHYLENE GLYCOL	PA
EPA 8015 C	ISOPROPYL ALCOHOL (2-PROPANOL, ISOPROPANOL)	PA
EPA 8015 C - EXTENDED	TRIETHYLENE GLYCOL	PA
EPA 8015 D	ETHANOL	PA
EPA 8015 D	ISOPROPYL ALCOHOL (2-PROPANOL, ISOPROPANOL)	PA
EPA 8015 D	N-PROPANOL (1-PROPANOL)	PA
EPA 8015 D - EXTENDED	ETHYLENE GLYCOL	PA
EPA 8015 D - EXTENDED	TRIETHYLENE GLYCOL	PA
EPA 8081 B	4,4'-DDE	PA
EPA 8081 B	ALDRIN	PA
EPA 8081 B	ALPHA-CHLORDANE (CIS-CHLORDANE)	PA
EPA 8081 B	CHLORDANE, TOTAL	PA
EPA 8081 B	DIELDRIN	PA
EPA 8081 B	ENDOSULFAN II	PA
EPA 8081 B	ENDRIN	PA
EPA 8081 B	ENDRIN KETONE	PA
EPA 8081 B	GAMMA-CHLORDANE (TRANS-CHLORDANE)	PA
EPA 8081 B	HEPTACHLOR EPOXIDE	PA
EPA 8081 B	TOXAPHENE (CHLORINATED CAMPHENE)	PA
EPA 8081 B - EXTENDED	2,4'-DDE	PA
EPA 8081 B - EXTENDED	KEPONE	PA
EPA 8082 A	AROCLOR-1016 (PCB-1016)	PA
EPA 8082 A	AROCLOR-1232 (PCB-1232)	PA
EPA 8082 A	AROCLOR-1248 (PCB-1248)	PA
EPA 8082 A	AROCLOR-1260 (PCB-1260)	PA
EPA 8082 A - EXTENDED	AROCLOR-1268 (PCB-1268)	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8151 A	2,4,5-T	PA
EPA 8151 A	2,4-DB	PA
EPA 8151 A	DICAMBA	PA
EPA 8151 A	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	PA
EPA 8151 A	MCPP	PA
EPA 8151 A	PICLORAM	PA
EPA 8260 C	1,1,1,2-TETRACHLOROETHANE	PA
EPA 8260 C	1,1,2,2-TETRACHLOROETHANE	PA
EPA 8260 C	1,1-DICHLOROETHANE	PA
EPA 8260 C	1,1-DICHLOROPROPENE	PA
EPA 8260 C	1,2,3-TRICHLOROPROPANE	PA
EPA 8260 C	1,2,4-TRIMETHYLBENZENE	PA
EPA 8260 C	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	PA
EPA 8260 C	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	PA
EPA 8260 C	1,3,5-TRIMETHYLBENZENE	PA
EPA 8260 C	1,3-DICHLOROPROPANE	PA
EPA 8260 C	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	PA
EPA 8260 C	2,2-DICHLOROPROPANE	PA
EPA 8260 C	2-CHLOROETHYL VINYL ETHER	PA
EPA 8260 C	2-HEXANONE	PA
EPA 8260 C	4-CHLOROTOLUENE	PA
EPA 8260 C	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	PA
EPA 8260 C	ACETONITRILE	PA
EPA 8260 C	ACRYLONITRILE	PA
EPA 8260 C	BENZENE	PA
EPA 8260 C	BROMOBENZENE	PA
EPA 8260 C	BROMODICHLOROMETHANE	PA
EPA 8260 C	CARBON DISULFIDE	PA
EPA 8260 C	CHLOROBENZENE	PA
EPA 8260 C	CHLOROETHANE (ETHYL CHLORIDE)	PA
EPA 8260 C	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	PA
EPA 8151 A	2,4-D	PA
EPA 8151 A	DALAPON	PA
EPA 8151 A	DICHLOROPROP (DICHLORPROP)	PA
EPA 8151 A	MCPA	PA
EPA 8151 A	PENTACHLOROPHENOL	PA
EPA 8151 A	SILVEX (2,4,5-TP)	PA
EPA 8260 C	1,1,1-TRICHLOROETHANE	PA
EPA 8260 C	1,1,2-TRICHLOROETHANE	PA
EPA 8260 C	1,1-DICHLOROETHYLENE	PA
EPA 8260 C	1,2,3-TRICHLOROBENZENE	PA
EPA 8260 C	1,2,4-TRICHLOROBENZENE	PA
EPA 8260 C	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	PA
EPA 8260 C	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	PA
EPA 8260 C	1,2-DICHLOROPROPANE	PA
EPA 8260 C	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	PA
EPA 8260 C	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	PA
EPA 8260 C	1-BUTANOL (N-BUTANOL, N-BUTYL ALCOHOL)	PA
EPA 8260 C	2-BUTANONE (METHYL ETHYL KETONE, MEK)	PA
EPA 8260 C	2-CHLOROTOLUENE	PA
EPA 8260 C	2-NITROPROPANE	PA
EPA 8260 C	4-ISOPROPYLTOLUENE (P-CYMENE, P-ISOPROPYLTOLUENE)	PA
EPA 8260 C	ACETONE	PA
EPA 8260 C	ACROLEIN (PROPENAL)	PA
EPA 8260 C	ALLYL CHLORIDE (3-CHLOROPROPENE)	PA
EPA 8260 C	BENZYL CHLORIDE	PA
EPA 8260 C	BROMOCHLOROMETHANE	PA
EPA 8260 C	BROMOFORM	PA
EPA 8260 C	CARBON TETRACHLORIDE	PA
EPA 8260 C	CHLORODIBROMOMETHANE	PA
EPA 8260 C	CHLOROFORM	PA
EPA 8260 C	CIS-1,2-DICHLOROETHYLENE	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8260 C	CIS-1,3-DICHLOROPROPENE	PA
EPA 8260 C	DIBROMOMETHANE (METHYLENE BROMIDE)	PA
EPA 8260 C	ETHANOL	PA
EPA 8260 C	ETHYL METHACRYLATE	PA
EPA 8260 C	ETHYLBENZENE	PA
EPA 8260 C	IODOMETHANE (METHYL IODIDE)	PA
EPA 8260 C	ISOPROPYL ALCOHOL (2-PROPANOL, ISOPROPANOL)	PA
EPA 8260 C	M+P-XYLENE	PA
EPA 8260 C	METHYL BROMIDE (BROMOMETHANE)	PA
EPA 8260 C	METHYL METHACRYLATE	PA
EPA 8260 C	METHYLCYCLOHEXANE	PA
EPA 8260 C	N-BUTYLBENZENE	PA
EPA 8260 C	NAPHTHALENE	PA
EPA 8260 C	PENTACHLOROETHANE	PA
EPA 8260 C	SEC-BUTYLBENZENE	PA
EPA 8260 C	TERT-AMYL METHYL ETHER (TAME)	PA
EPA 8260 C	TERT-BUTYLBENZENE	PA
EPA 8260 C	TOLUENE	PA
EPA 8260 C	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	PA
EPA 8260 C	TRICHLOROETHENE (TRICHLOROETHYLENE)	PA
EPA 8260 C	VINYL ACETATE	PA
EPA 8260 C	XYLENE (TOTAL)	PA
EPA 8260 C - EXTENDED	1,2,3-TRIMETHYLBENZENE	PA
EPA 8260 C - EXTENDED	DI-ISOPROPYLETHER (DIPE, ISOPROPYL ETHER)	PA
EPA 8260 C - EXTENDED	METHYL ACETATE	PA
EPA 8260 C - EXTENDED	N-HEXANE	PA
EPA 8260 C - EXTENDED	TERT-BUTYL FORMATE	PA
EPA 8260 C SIM	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	PA
EPA 8260 C	CYCLOHEXANE	PA
EPA 8260 C	DICHLORODIFLUOROMETHANE (FREON-12)	PA
EPA 8260 C	ETHYL ACETATE	PA
EPA 8260 C	ETHYL-T-BUTYLETHER (2-ETHOXY-2-METHYLPROPANE, ETBE)	PA
EPA 8260 C	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	PA
EPA 8260 C	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	PA
EPA 8260 C	ISOPROPYLBENZENE	PA
EPA 8260 C	METHACRYLONITRILE	PA
EPA 8260 C	METHYL CHLORIDE (CHLOROMETHANE)	PA
EPA 8260 C	METHYL TERT-BUTYL ETHER (MTBE)	PA
EPA 8260 C	METHYLENE CHLORIDE (DICHLOROMETHANE)	PA
EPA 8260 C	N-PROPYLBENZENE	PA
EPA 8260 C	O-XYLENE	PA
EPA 8260 C	PROPIONITRILE (ETHYL CYANIDE)	PA
EPA 8260 C	STYRENE	PA
EPA 8260 C	TERT-BUTYL ALCOHOL (2-METHYL-2-PROPANOL)	PA
EPA 8260 C	TETRACHLOROETHENE (PERCHLOROETHENE)	PA
EPA 8260 C	TRANS-1,2-DICHLOROETHENE	PA
EPA 8260 C	TRANS-1,4-DICHLORO-2-BUTENE	PA
EPA 8260 C	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	PA
EPA 8260 C	VINYL CHLORIDE (CHLOROETHENE)	PA
EPA 8260 C - EXTENDED	1,1,2-TRICHLORO-1,2,2-TRIFLUORO ETHANE (FREON 113)	PA
EPA 8260 C - EXTENDED	CYCLOHEXANONE	PA
EPA 8260 C - EXTENDED	GASOLINE RANGE ORGANICS (GRO)	PA
EPA 8260 C - EXTENDED	N-BUTYL-ACETATE	PA
EPA 8260 C - EXTENDED	TERT-AMYL ALCOHOL (TAA)	PA
EPA 8260 C - EXTENDED	TETRAHYDROFURAN (THF)	PA
EPA 8260 D	1,1,1,2-TETRACHLOROETHANE	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8260 D	1,1,1-TRICHLOROETHANE	PA
EPA 8260 D	1,1,2-TRICHLORO-1,2,2-TRIFLUORO ETHANE (FREON 113)	PA
EPA 8260 D	1,1-DICHLOROETHANE	PA
EPA 8260 D	1,1-DICHLOROPROPENE	PA
EPA 8260 D	1,2,3-TRICHLOROPROPANE	PA
EPA 8260 D	1,2,4-TRICHLOROBENZENE	PA
EPA 8260 D	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	PA
EPA 8260 D	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	PA
EPA 8260 D	1,2-DICHLOROPROPANE	PA
EPA 8260 D	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	PA
EPA 8260 D	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	PA
EPA 8260 D	1-BUTANOL (N-BUTANOL, N-BUTYL ALCOHOL)	PA
EPA 8260 D	2,2-DICHLOROPROPANE	PA
EPA 8260 D	2-CHLOROETHYL VINYL ETHER	PA
EPA 8260 D	2-HEXANONE	PA
EPA 8260 D	4-CHLOROTOLUENE	PA
EPA 8260 D	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	PA
EPA 8260 D	ACETONITRILE	PA
EPA 8260 D	ACRYLONITRILE	PA
EPA 8260 D	BENZENE	PA
EPA 8260 D	BROMOBENZENE	PA
EPA 8260 D	BROMODICHLOROMETHANE	PA
EPA 8260 D	CARBON DISULFIDE	PA
EPA 8260 D	CHLOROBENZENE	PA
EPA 8260 D	CHLOROETHANE (ETHYL CHLORIDE)	PA
EPA 8260 D	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	PA
EPA 8260 D	CIS-1,3-DICHLOROPROPENE	PA
EPA 8260 D	DI-ISOPROPYLETHER (DIPE, ISOPROPYL ETHER)	PA
EPA 8260 D	DICHLORODIFLUOROMETHANE (FREON-12)	PA
EPA 8260 D	ETHYL ACETATE	PA
EPA 8260 D	1,1,2,2-TETRACHLOROETHANE	PA
EPA 8260 D	1,1,2-TRICHLOROETHANE	PA
EPA 8260 D	1,1-DICHLOROETHYLENE	PA
EPA 8260 D	1,2,3-TRICHLOROBENZENE	PA
EPA 8260 D	1,2,3-TRIMETHYLBENZENE	PA
EPA 8260 D	1,2,4-TRIMETHYLBENZENE	PA
EPA 8260 D	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	PA
EPA 8260 D	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	PA
EPA 8260 D	1,3,5-TRIMETHYLBENZENE	PA
EPA 8260 D	1,3-DICHLOROPROPANE	PA
EPA 8260 D	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	PA
EPA 8260 D	1-CHLOROHEXANE	PA
EPA 8260 D	2-BUTANONE (METHYL ETHYL KETONE, MEK)	PA
EPA 8260 D	2-CHLOROTOLUENE	PA
EPA 8260 D	2-NITROPROPANE	PA
EPA 8260 D	4-ISOPROPYLTOLUENE (P-CYMENE, P-ISOPROPYLTOLUENE)	PA
EPA 8260 D	ACETONE	PA
EPA 8260 D	ACROLEIN (PROPENAL)	PA
EPA 8260 D	ALLYL CHLORIDE (3-CHLOROPROPENE)	PA
EPA 8260 D	BENZYL CHLORIDE	PA
EPA 8260 D	BROMOCHLOROMETHANE	PA
EPA 8260 D	BROMOFORM	PA
EPA 8260 D	CARBON TETRACHLORIDE	PA
EPA 8260 D	CHLORODIBROMOMETHANE	PA
EPA 8260 D	CHLOROFORM	PA
EPA 8260 D	CIS-1,2-DICHLOROETHYLENE	PA
EPA 8260 D	CYCLOHEXANE	PA
EPA 8260 D	DIBROMOMETHANE (METHYLENE BROMIDE)	PA
EPA 8260 D	ETHANOL	PA
EPA 8260 D	ETHYL METHACRYLATE	PA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8260 D	ETHYL-T-BUTYLETHER (2-ETHOXY-2-METHYLPROPANE, ETBE)	PA
EPA 8260 D	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	PA
EPA 8260 D	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	PA
EPA 8260 D	ISOPROPYLBENZENE	PA
EPA 8260 D	METHACRYLONITRILE	PA
EPA 8260 D	METHYL ACRYLATE	PA
EPA 8260 D	METHYL CHLORIDE (CHLOROMETHANE)	PA
EPA 8260 D	METHYL TERT-BUTYL ETHER (MTBE)	PA
EPA 8260 D	METHYLENE CHLORIDE (DICHLOROMETHANE)	PA
EPA 8260 D	N-PROPYLBENZENE	PA
EPA 8260 D	O-XYLENE	PA
EPA 8260 D	PROPIONITRILE (ETHYL CYANIDE)	PA
EPA 8260 D	STYRENE	PA
EPA 8260 D	TERT-BUTYL ALCOHOL (2-METHYL-2-PROPANOL)	PA
EPA 8260 D	TETRACHLOROETHENE (PERCHLOROETHENE)	PA
EPA 8260 D	TRANS-1,2-DICHLOROETHENE	PA
EPA 8260 D	TRANS-1,4-DICHLORO-2-BUTENE	PA
EPA 8260 D	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	PA
EPA 8260 D	VINYL CHLORIDE (CHLOROETHENE)	PA
EPA 8260 D - EXTENDED	1,3,5-TRICHLOROBENZENE	PA
EPA 8260 D - EXTENDED	CYCLOHEXANONE	PA
EPA 8260 D - EXTENDED	ISOPROPYL ACETATE	PA
EPA 8260 D - EXTENDED	N-HEXANE	PA
EPA 8260 D - EXTENDED	TETRAHYDROFURAN (THF)	PA
EPA 8270 D	1,2,4,5-TETRACHLOROBENZENE	PA
EPA 8270 D	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	PA
EPA 8270 D	1,3,5-TRINITROBENZENE (1,3,5-TNB)	PA
EPA 8270 D	1,3-DINITROBENZENE (1,3-DNB)	PA
EPA 8260 D	ETHYLBENZENE	PA
EPA 8260 D	IODOMETHANE (METHYL IODIDE)	PA
EPA 8260 D	ISOPROPYL ALCOHOL (2-PROPANOL, ISOPROPANOL)	PA
EPA 8260 D	M+P-XYLENE	PA
EPA 8260 D	METHYL ACETATE	PA
EPA 8260 D	METHYL BROMIDE (BROMOMETHANE)	PA
EPA 8260 D	METHYL METHACRYLATE	PA
EPA 8260 D	METHYLCYCLOHEXANE	PA
EPA 8260 D	N-BUTYLBENZENE	PA
EPA 8260 D	NAPHTHALENE	PA
EPA 8260 D	PENTACHLOROETHANE	PA
EPA 8260 D	SEC-BUTYLBENZENE	PA
EPA 8260 D	TERT-AMYL METHYL ETHER (TAME)	PA
EPA 8260 D	TERT-BUTYLBENZENE	PA
EPA 8260 D	TOLUENE	PA
EPA 8260 D	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	PA
EPA 8260 D	TRICHLOROETHENE (TRICHLOROETHYLENE)	PA
EPA 8260 D	VINYL ACETATE	PA
EPA 8260 D	XYLENE (TOTAL)	PA
EPA 8260 D - EXTENDED	1,4-DIETHYLBENZENE (P-DIETHYLBENZENE)	PA
EPA 8260 D - EXTENDED	ETHYL ACRYLATE	PA
EPA 8260 D - EXTENDED	N-BUTYL-ACETATE	PA
EPA 8260 D - EXTENDED	N-PENTANE	PA
EPA 8260 D SIM	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	PA
EPA 8270 D	1,2,4-TRICHLOROBENZENE	PA
EPA 8270 D	1,2-DIPHENYLHYDRAZINE	PA
EPA 8270 D	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8270 D	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	PA
EPA 8270 D	1,4-NAPHTHOQUINONE	PA
EPA 8270 D	1-CHLORONAPHTHALENE	PA
EPA 8270 D	2,2'-OXYBIS(1-CHLOROPROPANE)	PA
EPA 8270 D	2,4,5-TRICHLOROPHENOL	PA
EPA 8270 D	2,4-DICHLOROPHENOL	PA
EPA 8270 D	2,4-DINITROPHENOL	PA
EPA 8270 D	2,6-DICHLOROPHENOL	PA
EPA 8270 D	2-ACETYLAMINOFLUORENE	PA
EPA 8270 D	2-CHLOROPHENOL	PA
EPA 8270 D	2-METHYLNAPHTHALENE	PA
EPA 8270 D	2-NAPHTHYLAMINE	PA
EPA 8270 D	2-NITROPHENOL	PA
EPA 8270 D	3,3'-DICHLOROBENZIDINE	PA
EPA 8270 D	3-METHYLCHOLANTHRENE	PA
EPA 8270 D	4,4'-METHYLENEBIS-2-CHLOROANILINE	PA
EPA 8270 D	4-BROMOPHENYL PHENYL ETHER (BDE-3)	PA
EPA 8270 D	4-CHLOROANILINE	PA
EPA 8270 D	4-DIMETHYL AMINOAZOBENZENE	PA
EPA 8270 D	4-NITROPHENOL	PA
EPA 8270 D	5-NITRO-O-TOLUIDINE	PA
EPA 8270 D	A-A-DIMETHYLPHENETHYLAMINE	PA
EPA 8270 D	ACENAPHTHYLENE	PA
EPA 8270 D	ANILINE	PA
EPA 8270 D	ARAMITE	PA
EPA 8270 D	BENZO(A)ANTHRACENE	PA
EPA 8270 D	BENZO(B)FLUORANTHENE	PA
EPA 8270 D	BENZO(K)FLUORANTHENE	PA
EPA 8270 D	BENZYL ALCOHOL	PA
EPA 8270 D	BIS(2-CHLOROETHYL) ETHER	PA
EPA 8270 D	BUTYL BENZYL PHTHALATE	PA
EPA 8270 D	CHRYSENE	PA
EPA 8270 D	DI-N-OCTYL PHTHALATE	PA
EPA 8270 D	DIBENZ(A, J) ACRIDINE	PA
EPA 8270 D	1,4-DINITROBENZENE (1,4-DNB)	PA
EPA 8270 D	1,4-PHENYLENEDIAMINE	PA
EPA 8270 D	1-NAPHTHYLAMINE	PA
EPA 8270 D	2,3,4,6-TETRACHLOROPHENOL	PA
EPA 8270 D	2,4,6-TRICHLOROPHENOL	PA
EPA 8270 D	2,4-DIMETHYLPHENOL	PA
EPA 8270 D	2,4-DINITROTOLUENE (2,4-DNT)	PA
EPA 8270 D	2,6-DINITROTOLUENE (2,6-DNT)	PA
EPA 8270 D	2-CHLORONAPHTHALENE	PA
EPA 8270 D	2-METHYL-4,6-DINITROPHENOL (4,6-DINITRO-2-METHYLPHENOL)	PA
EPA 8270 D	2-METHYLPHENOL (O-CRESOL)	PA
EPA 8270 D	2-NITROANILINE	PA
EPA 8270 D	2-PICOLINE (2-METHYLPYRIDINE)	PA
EPA 8270 D	3,3'-DIMETHYLBENZIDINE	PA
EPA 8270 D	3-NITROANILINE	PA
EPA 8270 D	4-AMINOBIPHENYL	PA
EPA 8270 D	4-CHLORO-3-METHYLPHENOL	PA
EPA 8270 D	4-CHLOROPHENYL PHENYLETHER	PA
EPA 8270 D	4-NITROANILINE	PA
EPA 8270 D	4-NITROQUINOLINE-1-OXIDE	PA
EPA 8270 D	7,12-DIMETHYLBENZ(A) ANTHRACENE	PA
EPA 8270 D	ACENAPHTHENE	PA
EPA 8270 D	ACETOPHENONE	PA
EPA 8270 D	ANTHRACENE	PA
EPA 8270 D	BENZIDINE	PA
EPA 8270 D	BENZO(A)PYRENE	PA
EPA 8270 D	BENZO(G,H,I)PERYLENE	PA
EPA 8270 D	BENZOIC ACID	PA
EPA 8270 D	BIS(2-CHLOROETHOXY)METHANE	PA
EPA 8270 D	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	PA
EPA 8270 D	CHLOROBENZILATE	PA
EPA 8270 D	DI-N-BUTYL PHTHALATE	PA
EPA 8270 D	DIALLATE	PA
EPA 8270 D	DIBENZO(A,H) ANTHRACENE	PA

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8270 D	DIBENZOFURAN	PA
EPA 8270 D	DIMETHOATE	PA
EPA 8270 D	DIPHENYLAMINE	PA
EPA 8270 D	ETHYL METHANESULFONATE	PA
EPA 8270 D	FLUORANTHENE	PA
EPA 8270 D	HEXACHLOROBENZENE	PA
EPA 8270 D	HEXACHLOROCYCLOPENTADIENE	PA
EPA 8270 D	HEXACHLOROPROPENE	PA
EPA 8270 D	ISODRIN	PA
EPA 8270 D	ISOSAFROLE	PA
EPA 8270 D	METHAPYRILENE	PA
EPA 8270 D	METHYL PARATHION (PARATHION, METHYL)	PA
EPA 8270 D	N-NITROSODI-N-PROPYLAMINE	PA
EPA 8270 D	N-NITROSODIMETHYLAMINE	PA
EPA 8270 D	N-NITROSOMETHYLETHYLAMINE	PA
EPA 8270 D	N-NITROSOPIPERIDINE	PA
EPA 8270 D	NAPHTHALENE	PA
EPA 8270 D	O,O,O-TRIETHYL PHOSPHOROTHIOATE	PA
EPA 8270 D	PARATHION (PARATHION - ETHYL)	PA
EPA 8270 D	PENTACHLORONITROBENZENE	PA
EPA 8270 D	PHENACETIN	PA
EPA 8270 D	PHENOL	PA
EPA 8270 D	PHTHALIC ANHYDRIDE	PA
EPA 8270 D	PYRENE	PA
EPA 8270 D	SULFOTEP (TETRAETHYL DITHIOPYROPHOSPHATE, TEDP)	PA
EPA 8270 D - EXTENDED	1,1'-BIPHENYL (BZ-0)	PA
EPA 8270 D - EXTENDED	1,2,3,5-TETRACHLOROBENZENE	PA
EPA 8270 D - EXTENDED	1-METHYLNAPHTHALENE	PA
EPA 8270 D - EXTENDED	6-METHYLCHRYSENE	PA
EPA 8270 D - EXTENDED	BENZALDEHYDE	PA
EPA 8270 D - EXTENDED	CARBAZOLE	PA
EPA 8270 D - EXTENDED	INDENE	PA
EPA 8270 D - EXTENDED	PYRIDINE	PA
EPA 8270 D SIM	2-METHYLNAPHTHALENE	PA
EPA 8270 D	DIETHYL PHTHALATE	PA
EPA 8270 D	DIMETHYL PHTHALATE	PA
EPA 8270 D	DISULFOTON	PA
EPA 8270 D	FAMPHUR	PA
EPA 8270 D	FLUORENE	PA
EPA 8270 D	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	PA
EPA 8270 D	HEXACHLOROETHANE	PA
EPA 8270 D	INDENO(1,2,3-CD) PYRENE	PA
EPA 8270 D	ISOPHORONE	PA
EPA 8270 D	KEPONE	PA
EPA 8270 D	METHYL METHANESULFONATE	PA
EPA 8270 D	N-NITROSO-DI-N-BUTYLAMINE	PA
EPA 8270 D	N-NITROSODIETHYLAMINE	PA
EPA 8270 D	N-NITROSODIPHENYLAMINE	PA
EPA 8270 D	N-NITROSOMORPHOLINE	PA
EPA 8270 D	N-NITROSOPYRROLIDINE	PA
EPA 8270 D	NITROBENZENE	PA
EPA 8270 D	O-TOLUIDINE (2-METHYLANILINE)	PA
EPA 8270 D	PENTACHLOROBENZENE	PA
EPA 8270 D	PENTACHLOROPHENOL	PA
EPA 8270 D	PHENANTHRENE	PA
EPA 8270 D	PHORATE	PA
EPA 8270 D	PRONAMIDE (KERB)	PA
EPA 8270 D	SAFROLE	PA
EPA 8270 D	THIONAZIN (ZINOPHOS, DIETHYL-O-2-PYRAZINYL PHOSPHOROTHIONATE)	PA
EPA 8270 D - EXTENDED	1,2,3,4-TETRACHLOROBENZENE	PA
EPA 8270 D - EXTENDED	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	PA
EPA 8270 D - EXTENDED	3+4-METHYLPHENOL (M+P CRESOL)	PA
EPA 8270 D - EXTENDED	ATRAZINE	PA
EPA 8270 D - EXTENDED	CAPROLACTAM	PA
EPA 8270 D - EXTENDED	DIBENZ(A,H) ACRIDINE	PA
EPA 8270 D - EXTENDED	N,N-DIMETHYLFORMAMIDE	PA
EPA 8270 D - EXTENDED	QUINOLINE	PA
EPA 8270 D SIM	ACENAPHTHENE	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8270 D SIM	ACENAPHTHYLENE	PA
EPA 8270 D SIM	BENZO(A)ANTHRACENE	PA
EPA 8270 D SIM	BENZO(B)FLUORANTHENE	PA
EPA 8270 D SIM	BENZO(K)FLUORANTHENE	PA
EPA 8270 D SIM	DIBENZO(A,H) ANTHRACENE	PA
EPA 8270 D SIM	FLUORENE	PA
EPA 8270 D SIM	NAPHTHALENE	PA
EPA 8270 D SIM	PYRENE	PA
EPA 8270 D SIM - EXTENDED	1-METHYLNAPHTHALENE	PA
EPA 8270 E	1,2,4,5-TETRACHLOROBENZENE	PA
EPA 8270 E	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	PA
EPA 8270 E	1,3,5-TRINITROBENZENE (1,3,5-TNB)	PA
EPA 8270 E	1,3-DINITROBENZENE (1,3-DNB)	PA
EPA 8270 E	1,4-DINITROBENZENE (1,4-DNB)	PA
EPA 8270 E	1,4-NAPHTHOQUINONE	PA
EPA 8270 E	1-METHYLNAPHTHALENE	PA
EPA 8270 E	2,3,4,6-TETRACHLOROPHENOL	PA
EPA 8270 E	2,4,6-TRICHLOROPHENOL	PA
EPA 8270 E	2,4-DIMETHYLPHENOL	PA
EPA 8270 E	2,4-DINITROTOLUENE (2,4-DNT)	PA
EPA 8270 E	2,6-DINITROTOLUENE (2,6-DNT)	PA
EPA 8270 E	2-CHLORONAPHTHALENE	PA
EPA 8270 E	2-METHYL-4,6-DINITROPHENOL (4,6-DINITRO-2-METHYLPHENOL)	PA
EPA 8270 E	2-METHYLPHENOL (O-CRESOL)	PA
EPA 8270 E	2-NITROANILINE	PA
EPA 8270 E	2-PICOLINE (2-METHYLPYRIDINE)	PA
EPA 8270 E	3,3'-DICHLOROBENZIDINE	PA
EPA 8270 E	3-METHYLCHOLANTHRENE	PA
EPA 8270 E	4,4'-METHYLENEBIS-2-CHLOROANILINE	PA
EPA 8270 E	4-BROMOPHENYL PHENYL ETHER (BDE-3)	PA
EPA 8270 E	4-CHLOROANILINE	PA
EPA 8270 E	4-NITROANILINE	PA
EPA 8270 E	4-NITROQUINOLINE-1-OXIDE	PA
EPA 8270 D SIM	ANTHRACENE	PA
EPA 8270 D SIM	BENZO(A)PYRENE	PA
EPA 8270 D SIM	BENZO(G,H,I)PERYLENE	PA
EPA 8270 D SIM	CHRYSENE	PA
EPA 8270 D SIM	FLUORANTHENE	PA
EPA 8270 D SIM	INDENO(1,2,3-CD) PYRENE	PA
EPA 8270 D SIM	PHENANTHRENE	PA
EPA 8270 D SIM - EXTENDED	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	PA
EPA 8270 E	1,1'-BIPHENYL (BZ-0)	PA
EPA 8270 E	1,2,4-TRICHLOROBENZENE	PA
EPA 8270 E	1,2-DIPHENYLHYDRAZINE	PA
EPA 8270 E	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	PA
EPA 8270 E	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	PA
EPA 8270 E	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	PA
EPA 8270 E	1-CHLORONAPHTHALENE	PA
EPA 8270 E	1-NAPHTHYLAMINE	PA
EPA 8270 E	2,4,5-TRICHLOROPHENOL	PA
EPA 8270 E	2,4-DICHLOROPHENOL	PA
EPA 8270 E	2,4-DINITROPHENOL	PA
EPA 8270 E	2,6-DICHLOROPHENOL	PA
EPA 8270 E	2-ACETYLAMINOFLUORENE	PA
EPA 8270 E	2-CHLOROPHENOL	PA
EPA 8270 E	2-METHYLNAPHTHALENE	PA
EPA 8270 E	2-NAPHTHYLAMINE	PA
EPA 8270 E	2-NITROPHENOL	PA
EPA 8270 E	3+4-METHYLPHENOL (M+P CRESOL)	PA
EPA 8270 E	3,3'-DIMETHYLBENZIDINE	PA
EPA 8270 E	3-NITROANILINE	PA
EPA 8270 E	4-AMINOBIPHENYL	PA
EPA 8270 E	4-CHLORO-3-METHYLPHENOL	PA
EPA 8270 E	4-CHLOROPHENYL PHENYLETHER	PA
EPA 8270 E	4-NITROPHENOL	PA
EPA 8270 E	5-NITRO-O-TOLUIDINE	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8270 E	7,12-DIMETHYLBENZ(A) ANTHRACENE	PA
EPA 8270 E	ACENAPHTHENE	PA
EPA 8270 E	ACENAPHTHYLENE	PA
EPA 8270 E	ACETOPHENONE	PA
EPA 8270 E	ANILINE	PA
EPA 8270 E	ANTHRACENE	PA
EPA 8270 E	ATRAZINE	PA
EPA 8270 E	BENZALDEHYDE	PA
EPA 8270 E	BENZIDINE	PA
EPA 8270 E	BENZO(A)ANTHRACENE	PA
EPA 8270 E	BENZO(A)PYRENE	PA
EPA 8270 E	BENZO(B)FLUORANTHENE	PA
EPA 8270 E	BENZO(G,H,I)PERYLENE	PA
EPA 8270 E	BENZO(K)FLUORANTHENE	PA
EPA 8270 E	BENZOIC ACID	PA
EPA 8270 E	BENZYL ALCOHOL	PA
EPA 8270 E	BIS(2-CHLOROETHOXY)METHANE	PA
EPA 8270 E	BIS(2-CHLOROETHYL) ETHER	PA
EPA 8270 E	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	PA
EPA 8270 E	BUTYL BENZYL PHTHALATE	PA
EPA 8270 E	CAPROLACTAM	PA
EPA 8270 E	CARBAZOLE	PA
EPA 8270 E	CHLOROBENZILATE	PA
EPA 8270 E	CHRYSENE	PA
EPA 8270 E	DI-N-BUTYL PHTHALATE	PA
EPA 8270 E	DI-N-OCTYL PHTHALATE	PA
EPA 8270 E	DIALLATE	PA
EPA 8270 E	DIBENZ(A, J) ACRIDINE	PA
EPA 8270 E	DIBENZO(A,H) ANTHRACENE	PA
EPA 8270 E	DIBENZOFURAN	PA
EPA 8270 E	DIETHYL PHTHALATE	PA
EPA 8270 E	DIMETHOATE	PA
EPA 8270 E	DIMETHYL PHTHALATE	PA
EPA 8270 E	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	PA
EPA 8270 E	DIPHENYLAMINE	PA
EPA 8270 E	ETHYL METHANESULFONATE	PA
EPA 8270 E	FLUORANTHENE	PA
EPA 8270 E	FLUORENE	PA
EPA 8270 E	HEXACHLOROBENZENE	PA
EPA 8270 E	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	PA
EPA 8270 E	HEXACHLOROCYCLOPENTADIENE	PA
EPA 8270 E	HEXACHLOROETHANE	PA
EPA 8270 E	HEXACHLOROPROPENE	PA
EPA 8270 E	INDENO(1,2,3-CD) PYRENE	PA
EPA 8270 E	ISODRIN	PA
EPA 8270 E	ISOPHORONE	PA
EPA 8270 E	ISOSAFROLE	PA
EPA 8270 E	METHAPYRILENE	PA
EPA 8270 E	METHYL METHANESULFONATE	PA
EPA 8270 E	METHYL PARATHION (PARATHION, METHYL)	PA
EPA 8270 E	N-NITROSO-DI-N-BUTYLAMINE	PA
EPA 8270 E	N-NITROSODI-N-PROPYLAMINE	PA
EPA 8270 E	N-NITROSODIETHYLAMINE	PA
EPA 8270 E	N-NITROSODIMETHYLAMINE	PA
EPA 8270 E	N-NITROSODIPHENYLAMINE	PA
EPA 8270 E	N-NITROSOMETHYLETHYLAMINE	PA
EPA 8270 E	N-NITROSOMORPHOLINE	PA
EPA 8270 E	N-NITROSOPIPERIDINE	PA
EPA 8270 E	N-NITROSOPYRROLIDINE	PA
EPA 8270 E	NAPHTHALENE	PA
EPA 8270 E	NITROBENZENE	PA
EPA 8270 E	O,O,O-TRIETHYL PHOSPHOROTHIOATE	PA
EPA 8270 E	O-TOLUIDINE (2-METHYLANILINE)	PA
EPA 8270 E	PARATHION (PARATHION - ETHYL)	PA
EPA 8270 E	PENTACHLOROBENZENE	PA
EPA 8270 E	PENTACHLORONITROBENZENE	PA
EPA 8270 E	PENTACHLOROPHENOL	PA
EPA 8270 E	PHENACETIN	PA

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8270 E	PHENANTHRENE	PA
EPA 8270 E	PHORATE	PA
EPA 8270 E	PYRENE	PA
EPA 8270 E	SAFROLE	PA
EPA 8270 E	THIONAZIN (ZINOPHOS, DIETHYL-O-2-PYRAZINYL PHOSPHOROTHIONATE)	PA
EPA 8270 E - EXTENDED	2,2'-OXYBIS(1-CHLOROPROPANE)	PA
EPA 8270 E - EXTENDED	6-METHYLCHRYSENE	PA
EPA 8270 E - EXTENDED	DIPHENYL ETHER (DIPHENYL OXIDE)	PA
EPA 8270 E - EXTENDED	QUINOLINE	PA
EPA 8270 E SIM	1-METHYLNAPHTHALENE	PA
EPA 8270 E SIM	ACENAPHTHENE	PA
EPA 8270 E SIM	ANTHRACENE	PA
EPA 8270 E SIM	BENZO(A)PYRENE	PA
EPA 8270 E SIM	BENZO(G,H,I)PERYLENE	PA
EPA 8270 E SIM	CHRYSENE	PA
EPA 8270 E SIM	FLUORANTHENE	PA
EPA 8270 E SIM	INDENO(1,2,3-CD) PYRENE	PA
EPA 8270 E SIM	PHENANTHRENE	PA
EPA 8290 A	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN (OCDD)	PA
EPA 8290 A	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN (1,2,3,4,6,7,8-HPCDD)	PA
EPA 8290 A	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN (1,2,3,4,7,8,9-HPCDF)	PA
EPA 8290 A	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN (1,2,3,4,7,8-HXCDF)	PA
EPA 8290 A	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN (1,2,3,6,7,8-HXCDF)	PA
EPA 8290 A	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN (1,2,3,7,8,9-HXCDF)	PA
EPA 8290 A	1,2,3,7,8-PENTACHLORODIBENZOFURAN (1,2,3,7,8-PECDF)	PA
EPA 8290 A	2,3,4,7,8-PENTACHLORODIBENZOFURAN	PA
EPA 8290 A	2,3,7,8-TETRACHLORODIBENZOFURAN (2,3,7,8-TCDF)	PA
EPA 8290 A - EXTENDED	TOTAL HEPTACHLORODIBENZOFURAN (HPCDF, TOTAL)	PA
EPA 8270 E	PHENOL	PA
EPA 8270 E	PRONAMIDE (KERB)	PA
EPA 8270 E	PYRIDINE	PA
EPA 8270 E	SULFOTEP (TETRAETHYL DITHIOPYROPHOSPHATE, TEDP)	PA
EPA 8270 E	THIOPHENOL (BENZENETHIOL)	PA
EPA 8270 E - EXTENDED	4-DIMETHYL AMINOAZOBENZENE	PA
EPA 8270 E - EXTENDED	DIBENZ(A,H) ACRIDINE	PA
EPA 8270 E - EXTENDED	INDENE	PA
EPA 8270 E SIM	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	PA
EPA 8270 E SIM	2-METHYLNAPHTHALENE	PA
EPA 8270 E SIM	ACENAPHTHYLENE	PA
EPA 8270 E SIM	BENZO(A)ANTHRACENE	PA
EPA 8270 E SIM	BENZO(B)FLUORANTHENE	PA
EPA 8270 E SIM	BENZO(K)FLUORANTHENE	PA
EPA 8270 E SIM	DIBENZO(A,H) ANTHRACENE	PA
EPA 8270 E SIM	FLUORENE	PA
EPA 8270 E SIM	NAPHTHALENE	PA
EPA 8270 E SIM	PYRENE	PA
EPA 8290 A	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN (OCDF)	PA
EPA 8290 A	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN (1,2,3,4,6,7,8-HPCDF)	PA
EPA 8290 A	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN (1,2,3,4,7,8-HXCDD)	PA
EPA 8290 A	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN(1,2,3,6,7,8-HXCDD)	PA
EPA 8290 A	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN (1,2,3,7,8,9-HXCDD)	PA
EPA 8290 A	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN (1,2,3,7,8-PECDD)	PA
EPA 8290 A	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN (2,3,4,6,7,8-HXCDF)	PA
EPA 8290 A	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (2,3,7,8-TCDD)	PA
EPA 8290 A - EXTENDED	TOTAL HEPTACHLORODIBENZO-P-DIOXIN (HPCDD, TOTAL)	PA
EPA 8290 A - EXTENDED	TOTAL HEXACHLORODIBENZO-P-DIOXIN (HXCDD, TOTAL)	PA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13605

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster, PA 17601

Virginia Laboratory ID: 460182
Effective Date: July 21, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8290 A - EXTENDED	TOTAL HEXACHLORODIBENZOFURAN (HXCDF, TOTAL)	PA
EPA 8290 A - EXTENDED	TOTAL PENTACHLORODIBENZOFURAN (PECDF, TOTAL)	PA
EPA 8290 A - EXTENDED	TOTAL TETRACHLORODIBENZOFURAN (TCDF, TOTAL)	PA
EPA 8315 A	FORMALDEHYDE	PA
EPA 8330 B	1,3-DINITROBENZENE (1,3-DNB)	PA
EPA 8330 B	2,4-DINITROTOLUENE (2,4-DNT)	PA
EPA 8330 B	2-AMINO-4,6-DINITROTOLUENE (2-AM-DNT)	PA
EPA 8330 B	3,5-DINITROANILINE	PA
EPA 8330 B	4-AMINO-2,6-DINITROTOLUENE (4-AM-DNT)	PA
EPA 8330 B	METHYL-2,4,6-TRINITROPHENYLNITRAMINE (TETRYL)	PA
EPA 8330 B	NITROGLYCERIN	PA
EPA 8330 B	PENTAERYTHRITOLTETRANITRATE (PETN)	PA
EPA 8330 B - EXTENDED	2,4-DIAMINO-6-NITROTOLUENE	PA
EPA 9012 B	CYANIDE, TOTAL	PA
EPA 9050 A	CONDUCTIVITY	PA
EPA 9056 A	FLUORIDE	PA
EPA 9056 A	NITRITE AS N	PA
EPA 9071 B	OIL AND GREASE (AS N-HEXANE EXTRACTABLE MATERIAL (HEM))	PA
SM 2540 G-2015	RESIDUE-TOTAL (TS)	PA
SM 4500-NH3 B-2021	AMMONIA AS N	PA

METHOD	ANALYTE	PRIMARY
EPA 8290 A - EXTENDED	TOTAL PENTACHLORODIBENZO-P-DIOXIN (PECDD, TOTAL)	PA
EPA 8290 A - EXTENDED	TOTAL TETRACHLORODIBENZO-P-DIOXIN (TCDD, TOTAL)	PA
EPA 8315 A	ACETALDEHYDE	PA
EPA 8330 B	1,3,5-TRINITROBENZENE (1,3,5-TNB)	PA
EPA 8330 B	2,4,6-TRINITROTOLUENE (2,4,6-TNT)	PA
EPA 8330 B	2,6-DINITROTOLUENE (2,6-DNT)	PA
EPA 8330 B	2-NITROTOLUENE	PA
EPA 8330 B	3-NITROTOLUENE	PA
EPA 8330 B	4-NITROTOLUENE	PA
EPA 8330 B	NITROBENZENE	PA
EPA 8330 B	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	PA
EPA 8330 B	RDX (HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE)	PA
EPA 8330 B - EXTENDED	2,6-DIAMINO-4-NITROTOLUENE	PA
EPA 9045 D	PH	PA
EPA 9056 A	CHLORIDE	PA
EPA 9056 A	NITRATE AS N	PA
EPA 9056 A	SULFATE	PA
EPA 9095 B	FREE LIQUID	PA
SM 2540 G-2015	RESIDUE-VOLATILE	PA
SM 4500-NH3 C-2021	AMMONIA AS N	PA

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF GENERAL SERVICES
DIVISION OF CONSOLIDATED LABORATORY SERVICES

Certifies that

VA Laboratory ID#: 460021
Enthalpy Analytical LLC

1941 Reymet Road
Richmond, VA 23237

Owner: ENTHALPY ANALYTICAL, LLC
Responsible Official: TED SOYARS

Having met the requirements of 1 VAC 30-46 and
having been found compliant with the 2016 TNI Standard approved by The NELAC Institute
is hereby approved as an

Accredited Environmental Laboratory

As more fully described in the attached Scope of Accreditation

Effective Date: **June 15, 2025**
Expiration Date: **June 14, 2026**
Certificate # 13428

Denise M. Toney

Denise M. Toney, Ph.D., HCLD
DGS Deputy Director for Laboratories

Continued accreditation status depends on successful ongoing participation in the program.
Certificate to be conspicuously displayed at the laboratory.
Not valid unless accompanied by a valid Virginia Environmental Laboratory Accreditation Program (VELAP) Scope of Accreditation.
Customers are urged to verify the laboratory's current accreditation status.

Certificate Not Transferable

Surrender Upon Revocation

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13428

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: June 15, 2025
Expiration Date: June 14, 2026

AIR

METHOD	ANALYTE	PRIMARY
ASTM D1946-90 (11)	CARBON DIOXIDE	VA
ASTM D1946-90 (11)	METHANE	VA
ASTM D1946-90 (11)	OXYGEN	VA
EPA 25C	NONMETHANE ORGANIC COMPOUNDS (NMOC)	VA
EPA 3C	METHANE	VA
EPA 3C	OXYGEN	VA
EPA TO-15 2nd Ed.	1,1,1-TRICHLOROETHANE	VA
EPA TO-15 2nd Ed.	1,1,2-TRICHLORO-1,2,2-TRIFLUORO ETHANE (FREON 113)	VA
EPA TO-15 2nd Ed.	1,1-DICHLOROETHANE	VA
EPA TO-15 2nd Ed.	1,2,4-TRICHLOROBENZENE	VA
EPA TO-15 2nd Ed.	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	VA
EPA TO-15 2nd Ed.	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	VA
EPA TO-15 2nd Ed.	1,2-DICHLOROPROPANE	VA
EPA TO-15 2nd Ed.	1,3-BUTADIENE	VA
EPA TO-15 2nd Ed.	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	VA
EPA TO-15 2nd Ed.	2-BUTANONE (METHYL ETHYL KETONE, MEK)	VA
EPA TO-15 2nd Ed.	ACROLEIN (PROPENAL)	VA
EPA TO-15 2nd Ed.	BENZENE	VA
EPA TO-15 2nd Ed.	BROMODICHLOROMETHANE	VA
EPA TO-15 2nd Ed.	CARBON DISULFIDE	VA
EPA TO-15 2nd Ed.	CHLOROBENZENE	VA
EPA TO-15 2nd Ed.	CHLOROFORM	VA
EPA TO-15 2nd Ed.	CIS-1,3-DICHLOROPROPENE	VA
EPA TO-15 2nd Ed.	DICHLORODIFLUOROMETHANE (FREON-12)	VA
EPA TO-15 2nd Ed.	ETHYLBENZENE	VA
EPA TO-15 2nd Ed.	ISOPROPYLBENZENE	VA
EPA TO-15 2nd Ed.	METHYL BROMIDE (BROMOMETHANE)	VA
EPA TO-15 2nd Ed.	METHYL METHACRYLATE	VA
EPA TO-15 2nd Ed.	METHYLENE CHLORIDE (DICHLOROMETHANE)	VA
EPA TO-15 2nd Ed.	N-HEXANE	VA
EPA TO-15 2nd Ed.	PROPYLENE (PROPENE)	VA

METHOD	ANALYTE	PRIMARY
ASTM D1946-90 (11)	CARBON MONOXIDE	VA
ASTM D1946-90 (11)	NITROGEN (N2)	VA
EPA 18	TOTAL GASEOUS ORGANIC COMPOUNDS	VA
EPA 3C	CARBON DIOXIDE	VA
EPA 3C	NITROGEN (N2)	VA
EPA 3C-EXTENDED	CARBON MONOXIDE	VA
EPA TO-15 2nd Ed.	1,1,2,2-TETRACHLOROETHANE	VA
EPA TO-15 2nd Ed.	1,1,2-TRICHLOROETHANE	VA
EPA TO-15 2nd Ed.	1,1-DICHLOROETHYLENE	VA
EPA TO-15 2nd Ed.	1,2,4-TRIMETHYLBENZENE	VA
EPA TO-15 2nd Ed.	1,2-DICHLORO-1,1,2,2-TETRAFLUOR OETHANE (FREON-114)	VA
EPA TO-15 2nd Ed.	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	VA
EPA TO-15 2nd Ed.	1,3,5-TRIMETHYLBENZENE	VA
EPA TO-15 2nd Ed.	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	VA
EPA TO-15 2nd Ed.	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	VA
EPA TO-15 2nd Ed.	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	VA
EPA TO-15 2nd Ed.	ALLYL CHLORIDE (3-CHLOROPROPENE)	VA
EPA TO-15 2nd Ed.	BENZYL CHLORIDE	VA
EPA TO-15 2nd Ed.	BROMOFORM	VA
EPA TO-15 2nd Ed.	CARBON TETRACHLORIDE	VA
EPA TO-15 2nd Ed.	CHLOROETHANE (ETHYL CHLORIDE)	VA
EPA TO-15 2nd Ed.	CIS-1,2-DICHLOROETHYLENE	VA
EPA TO-15 2nd Ed.	CYCLOHEXANE	VA
EPA TO-15 2nd Ed.	ETHYL ACETATE	VA
EPA TO-15 2nd Ed.	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	VA
EPA TO-15 2nd Ed.	M+P-XYLENE	VA
EPA TO-15 2nd Ed.	METHYL CHLORIDE (CHLOROMETHANE)	VA
EPA TO-15 2nd Ed.	METHYL TERT-BUTYL ETHER (MTBE)	VA
EPA TO-15 2nd Ed.	N-HEPTANE	VA
EPA TO-15 2nd Ed.	O-XYLENE	VA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13428

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: June 15, 2025
Expiration Date: June 14, 2026

AIR

METHOD	ANALYTE	PRIMARY
EPA TO-15 2nd Ed.	STYRENE	VA
EPA TO-15 2nd Ed.	TETRAHYDROFURAN (THF)	VA
EPA TO-15 2nd Ed.	TRANS-1,2-DICHLOROETHENE	VA
EPA TO-15 2nd Ed.	TRICHLOROETHENE (TRICHLOROETHYLENE)	VA
EPA TO-15 2nd Ed.	VINYL ACETATE	VA
EPA TO-15 2nd Ed.	VINYL CHLORIDE (CHLOROETHENE)	VA
EPA TO-15 2nd Ed. - EXTENDED	1,1,1,2-TETRACHLOROETHANE	VA
EPA TO-15 2nd Ed. - EXTENDED	2-HEXANONE	VA
EPA TO-15 2nd Ed. - EXTENDED	ACETONE	VA
EPA TO-15 2nd Ed. - EXTENDED	ETHANOL	VA
EPA TO-15 2nd Ed. - EXTENDED	ISOOCTANE (2,2,4-TRIMETHYLPENTANE)	VA
EPA TO-15 2nd Ed. - EXTENDED	N-NONANE	VA
EPA TO-15 2nd Ed. - EXTENDED	N-PROPYLBENZENE	VA
EPA TO-15 2nd Ed. - EXTENDED	TERT-BUTYL ALCOHOL (2-METHYL-2-PROPANOL)	VA
EPA TO-15 2nd Ed.	TETRACHLOROETHENE (PERCHLOROETHENE)	VA
EPA TO-15 2nd Ed.	TOLUENE	VA
EPA TO-15 2nd Ed.	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	VA
EPA TO-15 2nd Ed.	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	VA
EPA TO-15 2nd Ed.	VINYL BROMIDE (BROMOETHENE)	VA
EPA TO-15 2nd Ed.	XYLENE (TOTAL)	VA
EPA TO-15 2nd Ed. - EXTENDED	2-CHLOROTOLUENE	VA
EPA TO-15 2nd Ed. - EXTENDED	4-ETHYLTOLUENE	VA
EPA TO-15 2nd Ed. - EXTENDED	CHLORODIBROMOMETHANE	VA
EPA TO-15 2nd Ed. - EXTENDED	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	VA
EPA TO-15 2nd Ed. - EXTENDED	N-BUTANE	VA
EPA TO-15 2nd Ed. - EXTENDED	N-PENTANE	VA
EPA TO-15 2nd Ed. - EXTENDED	NAPHTHALENE	VA

DRINKING WATER

METHOD	ANALYTE	PRIMARY
ENTEROLERT®	ENTEROCOCCI	VA
EPA 200.7 REV 4.4	BARIUM	VA
EPA 200.7 REV 4.4	CALCIUM	VA
EPA 200.7 REV 4.4	COPPER	VA
EPA 200.7 REV 4.4	MAGNESIUM	VA
EPA 200.7 REV 4.4	NICKEL	VA
EPA 200.7 REV 4.4	SILVER	VA
EPA 200.7 REV 4.4	ZINC	VA
EPA 200.8 REV 5.4	ARSENIC	VA
EPA 200.8 REV 5.4	BERYLLIUM	VA
EPA 200.8 REV 5.4	CHROMIUM	VA
EPA 200.8 REV 5.4	LEAD	VA
EPA 200.8 REV 5.4	NICKEL	VA
EPA 200.8 REV 5.4	SILVER	VA
EPA 200.8 REV 5.4	ZINC	VA
EPA 200.7 REV 4.4	ALUMINUM	VA
EPA 200.7 REV 4.4	CADMIUM	VA
EPA 200.7 REV 4.4	CHROMIUM	VA
EPA 200.7 REV 4.4	IRON	VA
EPA 200.7 REV 4.4	MANGANESE	VA
EPA 200.7 REV 4.4	SILICA AS SIO2	VA
EPA 200.7 REV 4.4	SODIUM	VA
EPA 200.8 REV 5.4	ANTIMONY	VA
EPA 200.8 REV 5.4	BARIUM	VA
EPA 200.8 REV 5.4	CADMIUM	VA
EPA 200.8 REV 5.4	COPPER	VA
EPA 200.8 REV 5.4	MANGANESE	VA
EPA 200.8 REV 5.4	SELENIUM	VA
EPA 200.8 REV 5.4	THALLIUM	VA
EPA 245.1 REV 3	MERCURY	VA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13428

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: June 15, 2025
Expiration Date: June 14, 2026

DRINKING WATER

METHOD	ANALYTE	PRIMARY
EPA 300.0 REV 2.1	CHLORIDE	VA
EPA 300.0 REV 2.1	FLUORIDE	VA
EPA 300.0 REV 2.1	NITRATE-NITRITE AS N	VA
EPA 300.0 REV 2.1	SULFATE	VA
EPA 504.1 REV 1.1	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	VA
EPA 508.1 REV 2	AROCLOR-1221 (PCB-1221)	VA
EPA 508.1 REV 2	AROCLOR-1242 (PCB-1242)	VA
EPA 508.1 REV 2	AROCLOR-1254 (PCB-1254)	VA
EPA 508.1 REV 2	CHLORDANE, TOTAL	VA
EPA 508.1 REV 2	GAMMA-BHC (LINDANE, GAMMA-HEXACHLOROCYCLOHEXANE)	VA
EPA 508.1 REV 2	HEPTACHLOR EPOXIDE	VA
EPA 508.1 REV 2	TOXAPHENE (CHLORINATED CAMPHENE)	VA
EPA 515.4 REV 1	DALAPON	VA
EPA 515.4 REV 1	PENTACHLOROPHENOL	VA
EPA 515.4 REV 1	SILVEX (2,4,5-TP)	VA
EPA 524.2 REV 4.1	1,1,2-TRICHLOROETHANE	VA
EPA 524.2 REV 4.1	1,2,4-TRICHLOROBENZENE	VA
EPA 524.2 REV 4.1	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	VA
EPA 524.2 REV 4.1	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	VA
EPA 524.2 REV 4.1	BROMODICHLOROMETHANE	VA
EPA 524.2 REV 4.1	CARBON TETRACHLORIDE	VA
EPA 524.2 REV 4.1	CHLORODIBROMOMETHANE	VA
EPA 524.2 REV 4.1	CIS-1,2-DICHLOROETHYLENE	VA
EPA 524.2 REV 4.1	METHYLENE CHLORIDE (DICHLOROMETHANE)	VA
EPA 524.2 REV 4.1	TETRACHLOROETHENE (PERCHLOROETHENE)	VA
EPA 524.2 REV 4.1	TOTAL TRIHALOMETHANES (TTHMS)	VA
EPA 524.2 REV 4.1	TRICHLOROETHENE (TRICHLOROETHYLENE)	VA
EPA 524.2 REV 4.1	XYLENE (TOTAL)	VA
EPA 525.2 REV 2	ATRAZINE	VA
EPA 525.2 REV 2	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	VA
EPA 300.0 REV 2.1	CHLORITE	VA
EPA 300.0 REV 2.1	NITRATE AS N	VA
EPA 300.0 REV 2.1	NITRITE AS N	VA
EPA 504.1 REV 1.1	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	VA
EPA 508.1 REV 2	AROCLOR-1016 (PCB-1016)	VA
EPA 508.1 REV 2	AROCLOR-1232 (PCB-1232)	VA
EPA 508.1 REV 2	AROCLOR-1248 (PCB-1248)	VA
EPA 508.1 REV 2	AROCLOR-1260 (PCB-1260)	VA
EPA 508.1 REV 2	ENDRIN	VA
EPA 508.1 REV 2	HEPTACHLOR	VA
EPA 508.1 REV 2	METHOXYCHLOR	VA
EPA 515.4 REV 1	2,4-D	VA
EPA 515.4 REV 1	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	VA
EPA 515.4 REV 1	PICLORAM	VA
EPA 524.2 REV 4.1	1,1,1-TRICHLOROETHANE	VA
EPA 524.2 REV 4.1	1,1-DICHLOROETHYLENE	VA
EPA 524.2 REV 4.1	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	VA
EPA 524.2 REV 4.1	1,2-DICHLOROPROPANE	VA
EPA 524.2 REV 4.1	BENZENE	VA
EPA 524.2 REV 4.1	BROMOFORM	VA
EPA 524.2 REV 4.1	CHLOROBENZENE	VA
EPA 524.2 REV 4.1	CHLOROFORM	VA
EPA 524.2 REV 4.1	ETHYLBENZENE	VA
EPA 524.2 REV 4.1	STYRENE	VA
EPA 524.2 REV 4.1	TOLUENE	VA
EPA 524.2 REV 4.1	TRANS-1,2-DICHLOROETHENE	VA
EPA 524.2 REV 4.1	VINYL CHLORIDE (CHLOROETHENE)	VA
EPA 525.2 REV 2	ALACHLOR	VA
EPA 525.2 REV 2	BENZO(A)PYRENE	VA
EPA 525.2 REV 2	BIS(2-ETHYLHEXYL)ADIPATE (DI(2-ETHYLHEXYL)ADIPATE)	VA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13428

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: June 15, 2025
Expiration Date: June 14, 2026

DRINKING WATER

METHOD	ANALYTE	PRIMARY
EPA 525.2 REV 2	HEXACHLOROBENZENE	VA
EPA 525.2 REV 2	SIMAZINE	VA
EPA 552.3 REV 1	CHLOROACETIC ACID	VA
EPA 552.3 REV 1	DICHLOROACETIC ACID	VA
EPA 552.3 REV 1	TRICHLOROACETIC ACID (TCAA)	VA
SM 2120 B-2021	COLOR	VA
SM 2320 B-2021	ALKALINITY AS CACO3	VA
SM 2540 C-2020	RESIDUE-FILTERABLE (TDS)	VA
SM 4500-CN^- E-2021	CYANIDE	VA
SM 4500-$NO2^-$ B-2021	NITRITE AS N	VA
SM 4500-P E-2021	ORTHOPHOSPHATE AS P	VA
SM 5310 C-2014	TOTAL ORGANIC CARBON (TOC)	VA
SM 5910 B-2021	UV 254	VA
SM 9223 B COLILERT-18 (P/A)	TOTAL COLIFORMS	VA
SM 9223 B COLILERT-18 QUANTI-TRAY (MPN)	TOTAL COLIFORMS	VA
SM 9223 B COLISURE®	TOTAL COLIFORMS	VA

METHOD	ANALYTE	PRIMARY
EPA 525.2 REV 2	HEXACHLOROCYCLOPENTADIENE	VA
EPA 552.3 REV 1	BROMOACETIC ACID	VA
EPA 552.3 REV 1	DIBROMOACETIC ACID	VA
EPA 552.3 REV 1	HALOACETIC ACIDS - FIVE (HAA5)	VA
SIMPLATE	HETEROTROPHIC PLATE COUNT	VA
SM 2130 B-2020	TURBIDITY	VA
SM 2510 B-2021	CONDUCTIVITY	VA
SM 4500-CN^- C-2021	PREP: CYANIDE DISTILLATION	VA
SM 4500-H+ B-2021	PH	VA
SM 4500-$NO3^-$ F-2019	NITRATE-NITRITE AS N	VA
SM 5310 C-2014	DISSOLVED ORGANIC CARBON (DOC)	VA
SM 5540 C-2021	SURFACTANTS - MBAS	VA
SM 9223 B COLILERT-18 (P/A)	ESCHERICHIA COLI (E COLI)	VA
SM 9223 B COLILERT-18 QUANTI-TRAY (MPN)	ESCHERICHIA COLI (E COLI)	VA
SM 9223 B COLISURE®	ESCHERICHIA COLI (E COLI)	VA

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
ASTM D7065-17	NONYLPHENOL	VA
COLILERT-18 QUANTI-TRAY (MPN)	FECAL COLIFORMS	VA
EPA 1010 B	FLASHPOINT	VA
EPA 1312	PREP: SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP)	VA
EPA 1664 B	OIL AND GREASE (AS N-HEXANE EXTRACTABLE MATERIAL (HEM))	VA
EPA 200.2 REV 2.8	PREP: SAMPLE PREPARATION PROCEDURE FOR SPECTROCHEMICAL DETERMINATION OF TOTAL RECOVERABLE ELEMENTS	VA
EPA 200.7 REV 4.4	ANTIMONY	VA
EPA 200.7 REV 4.4	BARIUM	VA
EPA 200.7 REV 4.4	BORON	VA
EPA 200.7 REV 4.4	CALCIUM	VA
EPA 200.7 REV 4.4	COBALT	VA
EPA 200.7 REV 4.4	IRON	VA

METHOD	ANALYTE	PRIMARY
COLILERT-18 QUANTI-TRAY (MPN)	ESCHERICHIA COLI (E COLI)	VA
ENTEROLERT®	ENTEROCOCCI	VA
EPA 1311	PREP: TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)	VA
EPA 160.4	RESIDUE-VOLATILE	VA
EPA 1664 B	TOTAL PETROLEUM HYDROCARBONS (TPH) (AS NONPOLAR MATERIAL, SGT-HEM)	VA
EPA 200.7 REV 4.4	ALUMINUM	VA
EPA 200.7 REV 4.4	ARSENIC	VA
EPA 200.7 REV 4.4	BERYLLIUM	VA
EPA 200.7 REV 4.4	CADMIUM	VA
EPA 200.7 REV 4.4	CHROMIUM	VA
EPA 200.7 REV 4.4	COPPER	VA
EPA 200.7 REV 4.4	LEAD	VA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13428

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: June 15, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 200.7 REV 4.4	MAGNESIUM	VA
EPA 200.7 REV 4.4	MOLYBDENUM	VA
EPA 200.7 REV 4.4	POTASSIUM	VA
EPA 200.7 REV 4.4	SILICA AS SIO2	VA
EPA 200.7 REV 4.4	SODIUM	VA
EPA 200.7 REV 4.4	TIN	VA
EPA 200.7 REV 4.4	VANADIUM	VA
EPA 200.8 REV 5.4	ALUMINUM	VA
EPA 200.8 REV 5.4	ARSENIC	VA
EPA 200.8 REV 5.4	BERYLLIUM	VA
EPA 200.8 REV 5.4	CHROMIUM	VA
EPA 200.8 REV 5.4	COPPER	VA
EPA 200.8 REV 5.4	MANGANESE	VA
EPA 200.8 REV 5.4	NICKEL	VA
EPA 200.8 REV 5.4	SILVER	VA
EPA 200.8 REV 5.4	VANADIUM	VA
EPA 200.8 REV 5.4 - EXTENDED	CALCIUM	VA
EPA 200.8 REV 5.4 - EXTENDED	MAGNESIUM	VA
EPA 200.8 REV 5.4 - EXTENDED	SODIUM	VA
EPA 218.6 REV 3.3	CHROMIUM VI	VA
EPA 300.0 REV 2.1	BROMIDE	VA
EPA 300.0 REV 2.1	FLUORIDE	VA
EPA 300.0 REV 2.1	NITRATE-NITRITE AS N	VA
EPA 300.0 REV 2.1	SULFATE	VA
EPA 3010 A	PREP: ACID DIGESTION OF AQUEOUS SAMPLES AND EXTRACTS FOR TOTAL METALS	VA
EPA 351.2 REV 2	KJELDAHL NITROGEN - TOTAL (TKN)	VA
EPA 3511	PREP: ORGANIC EXTRACTION AND SAMPLE PREPARATION	VA
EPA 420.1	TOTAL PHENOLICS	VA
EPA 6010 D	ALUMINUM	VA
EPA 6010 D	ARSENIC	VA
EPA 6010 D	BERYLLIUM	VA
EPA 6010 D	CADMIUM	VA
EPA 6010 D	CHROMIUM	VA

METHOD	ANALYTE	PRIMARY
EPA 200.7 REV 4.4	MANGANESE	VA
EPA 200.7 REV 4.4	NICKEL	VA
EPA 200.7 REV 4.4	SELENIUM	VA
EPA 200.7 REV 4.4	SILVER	VA
EPA 200.7 REV 4.4	THALLIUM	VA
EPA 200.7 REV 4.4	TITANIUM	VA
EPA 200.7 REV 4.4	ZINC	VA
EPA 200.8 REV 5.4	ANTIMONY	VA
EPA 200.8 REV 5.4	BARIUM	VA
EPA 200.8 REV 5.4	CADMIUM	VA
EPA 200.8 REV 5.4	COBALT	VA
EPA 200.8 REV 5.4	LEAD	VA
EPA 200.8 REV 5.4	MOLYBDENUM	VA
EPA 200.8 REV 5.4	SELENIUM	VA
EPA 200.8 REV 5.4	THALLIUM	VA
EPA 200.8 REV 5.4	ZINC	VA
EPA 200.8 REV 5.4 - EXTENDED	IRON	VA
EPA 200.8 REV 5.4 - EXTENDED	POTASSIUM	VA
EPA 200.8 REV 5.4 - EXTENDED	TIN	VA
EPA 245.1 REV 3	MERCURY	VA
EPA 300.0 REV 2.1	CHLORIDE	VA
EPA 300.0 REV 2.1	NITRATE AS N	VA
EPA 300.0 REV 2.1	NITRITE AS N	VA
EPA 3005 A	PREP: ACID DIGESTION OF WATERS FOR TOTAL RECOVERABLE OR DISSOLVED METALS	VA
EPA 350.1 REV 2	AMMONIA AS N	VA
EPA 3510 C	PREP: LIQUID-LIQUID EXTRACTION	VA
EPA 3665 A	SULFURIC ACID/PERMANGANATE CLEAN-UP	VA
EPA 5030	PREP: PURGE AND TRAP FOR AQUEOUS SAMPLES	VA
EPA 6010 D	ANTIMONY	VA
EPA 6010 D	BARIUM	VA
EPA 6010 D	BORON	VA
EPA 6010 D	CALCIUM	VA
EPA 6010 D	COBALT	VA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13428

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: June 15, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY	METHOD	ANALYTE	PRIMARY
EPA 6010 D	COPPER	VA	EPA 6010 D	IRON	VA
EPA 6010 D	LEAD	VA	EPA 6010 D	LITHIUM	VA
EPA 6010 D	MAGNESIUM	VA	EPA 6010 D	MANGANESE	VA
EPA 6010 D	MOLYBDENUM	VA	EPA 6010 D	NICKEL	VA
EPA 6010 D	POTASSIUM	VA	EPA 6010 D	SELENIUM	VA
EPA 6010 D	SILICA AS SIO2	VA	EPA 6010 D	SILVER	VA
EPA 6010 D	SODIUM	VA	EPA 6010 D	STRONTIUM	VA
EPA 6010 D	THALLIUM	VA	EPA 6010 D	TIN	VA
EPA 6010 D	TITANIUM	VA	EPA 6010 D	VANADIUM	VA
EPA 6010 D	ZINC	VA	EPA 6010 D - EXTENDED	SULFUR	VA
EPA 6020 B	ALUMINUM	VA	EPA 6020 B	ANTIMONY	VA
EPA 6020 B	ARSENIC	VA	EPA 6020 B	BARIUM	VA
EPA 6020 B	BERYLLIUM	VA	EPA 6020 B	CADMIUM	VA
EPA 6020 B	CALCIUM	VA	EPA 6020 B	CHROMIUM	VA
EPA 6020 B	COBALT	VA	EPA 6020 B	COPPER	VA
EPA 6020 B	IRON	VA	EPA 6020 B	LEAD	VA
EPA 6020 B	MAGNESIUM	VA	EPA 6020 B	MANGANESE	VA
EPA 6020 B	MERCURY	VA	EPA 6020 B	MOLYBDENUM	VA
EPA 6020 B	NICKEL	VA	EPA 6020 B	POTASSIUM	VA
EPA 6020 B	SELENIUM	VA	EPA 6020 B	SILVER	VA
EPA 6020 B	SODIUM	VA	EPA 6020 B	THALLIUM	VA
EPA 6020 B	TIN	VA	EPA 6020 B	VANADIUM	VA
EPA 6020 B	ZINC	VA	EPA 6020 B - EXTENDED	LITHIUM	VA
EPA 608.3	4,4'-DDD	VA	EPA 608.3	4,4'-DDE	VA
EPA 608.3	4,4'-DDT	VA	EPA 608.3	ALDRIN	VA
EPA 608.3	ALPHA-BHC (ALPHA-HEXACHLOROCYCLOHEXANE)	VA	EPA 608.3	AROCLOR-1016 (PCB-1016)	VA
EPA 608.3	AROCLOR-1221 (PCB-1221)	VA	EPA 608.3	AROCLOR-1232 (PCB-1232)	VA
EPA 608.3	AROCLOR-1242 (PCB-1242)	VA	EPA 608.3	AROCLOR-1248 (PCB-1248)	VA
EPA 608.3	AROCLOR-1254 (PCB-1254)	VA	EPA 608.3	AROCLOR-1260 (PCB-1260)	VA
EPA 608.3	BETA-BHC (BETA-HEXACHLOROCYCLOHEXANE)	VA	EPA 608.3	CHLORDANE, TOTAL	VA
EPA 608.3	DELTA-BHC	VA	EPA 608.3	DIELDRIN	VA
EPA 608.3	ENDOSULFAN I	VA	EPA 608.3	ENDOSULFAN II	VA
EPA 608.3	ENDOSULFAN SULFATE	VA	EPA 608.3	ENDRIN	VA
EPA 608.3	ENDRIN ALDEHYDE	VA	EPA 608.3	ENDRIN KETONE	VA
EPA 608.3	GAMMA-BHC (LINDANE, GAMMA-HEXACHLOROCYCLOHEXANE)	VA	EPA 608.3	HEPTACHLOR	VA
EPA 608.3	HEPTACHLOR EPOXIDE	VA			

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13428

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: June 15, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 608.3	METHOXYCHLOR	VA
EPA 608.3	TOXAPHENE (CHLORINATED CAMPHENE)	VA
EPA 614	DEMETON-O	VA
EPA 614	DIAZINON	VA
EPA 614	PARATHION (PARATHION - ETHYL)	VA
EPA 615	2,4-DB	VA
EPA 615	DICAMBA	VA
EPA 615	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	VA
EPA 615	MCPP	VA
EPA 622	AZINPHOS-METHYL (GUTHION)	VA
EPA 622	DEMETON-O	VA
EPA 622	DIAZINON	VA
EPA 622	METHYL PARATHION (PARATHION, METHYL)	VA
EPA 624.1	1,1,2,2-TETRACHLOROETHANE	VA
EPA 624.1	1,1-DICHLOROETHANE	VA
EPA 624.1	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	VA
EPA 624.1	1,2-DICHLOROPROPANE	VA
EPA 624.1	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	VA
EPA 624.1	2-CHLOROETHYL VINYL ETHER	VA
EPA 624.1	ACETONE	VA
EPA 624.1	ACRYLONITRILE	VA
EPA 624.1	BROMODICHLOROMETHANE	VA
EPA 624.1	CARBON TETRACHLORIDE	VA
EPA 624.1	CHLORODIBROMOMETHANE	VA
EPA 624.1	CHLOROFORM	VA
EPA 624.1	CIS-1,3-DICHLOROPROPENE	VA
EPA 624.1	ETHYLBENZENE	VA
EPA 624.1	M+P-XYLENE	VA
EPA 624.1	METHYL CHLORIDE (CHLOROMETHANE)	VA
EPA 624.1	METHYLENE CHLORIDE (DICHLOROMETHANE)	VA
EPA 624.1	O-XYLENE	VA
EPA 624.1	TETRAHYDROFURAN (THF)	VA

METHOD	ANALYTE	PRIMARY
EPA 608.3	MIREX	VA
EPA 614	AZINPHOS-METHYL (GUTHION)	VA
EPA 614	DEMETON-S	VA
EPA 614	MALATHION	VA
EPA 615	2,4-D	VA
EPA 615	DALAPON	VA
EPA 615	DICHLOROPROP (DICHLORPROP)	VA
EPA 615	MCPA	VA
EPA 615	SILVEX (2,4,5-TP)	VA
EPA 622	CHLORPYRIFOS	VA
EPA 622	DEMETON-S	VA
EPA 622	DISULFOTON	VA
EPA 624.1	1,1,1-TRICHLOROETHANE	VA
EPA 624.1	1,1,2-TRICHLOROETHANE	VA
EPA 624.1	1,1-DICHLOROETHYLENE	VA
EPA 624.1	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	VA
EPA 624.1	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	VA
EPA 624.1	2-BUTANONE (METHYL ETHYL KETONE, MEK)	VA
EPA 624.1	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	VA
EPA 624.1	ACROLEIN (PROPENAL)	VA
EPA 624.1	BENZENE	VA
EPA 624.1	BROMOFORM	VA
EPA 624.1	CHLOROBENZENE	VA
EPA 624.1	CHLOROETHANE (ETHYL CHLORIDE)	VA
EPA 624.1	CIS-1,2-DICHLOROETHYLENE	VA
EPA 624.1	ETHYL ACETATE	VA
EPA 624.1	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	VA
EPA 624.1	METHYL BROMIDE (BROMOMETHANE)	VA
EPA 624.1	METHYL TERT-BUTYL ETHER (MTBE)	VA
EPA 624.1	NAPHTHALENE	VA
EPA 624.1	TETRACHLOROETHENE (PERCHLOROETHENE)	VA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13428

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: June 15, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 624.1	TOLUENE	VA
EPA 624.1	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	VA
EPA 624.1	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	VA
EPA 624.1	XYLENE (TOTAL)	VA
EPA 624.1 EXTENDED	ISOPROPYL ACETATE	VA
EPA 625.1	1,2,4-TRICHLOROBENZENE	VA
EPA 625.1	2,2'-OXYBIS(1-CHLOROPROPANE)	VA
EPA 625.1	2,3-DICHLOROANILINE	VA
EPA 625.1	2,4,6-TRICHLOROPHENOL	VA
EPA 625.1	2,4-DIMETHYLPHENOL	VA
EPA 625.1	2,4-DINITROTOLUENE (2,4-DNT)	VA
EPA 625.1	2-CHLORONAPHTHALENE	VA
EPA 625.1	2-METHYL-4,6-DINITROPHENOL (4,6-DINITRO-2-METHYLPHENOL)	VA
EPA 625.1	2-NITROPHENOL	VA
EPA 625.1	4-BROMOPHENYL PHENYL ETHER (BDE-3)	VA
EPA 625.1	4-CHLOROPHENYL PHENYLETHER	VA
EPA 625.1	ACENAPHTHENE	VA
EPA 625.1	ALPHA-TERPINEOL	VA
EPA 625.1	BENZIDINE	VA
EPA 625.1	BENZO(A)PYRENE	VA
EPA 625.1	BENZO(G,H,I)PERYLENE	VA
EPA 625.1	BENZOIC ACID	VA
EPA 625.1	BIS(2-CHLOROETHYL) ETHER	VA
EPA 625.1	BUTYL BENZYL PHTHALATE	VA
EPA 625.1	CHRYSENE	VA
EPA 625.1	DI-N-OCTYL PHTHALATE	VA
EPA 625.1	DIETHYL PHTHALATE	VA
EPA 625.1	FLUORANTHENE	VA
EPA 625.1	HEXACHLOROBENZENE	VA
EPA 625.1	HEXACHLOROCYCLOPENTADIENE	VA
EPA 625.1	INDENO(1,2,3-CD) PYRENE	VA
EPA 625.1	N-DECANE	VA
EPA 625.1	N-NITROSODIMETHYLAMINE	VA
EPA 625.1	N-OCTADECANE	VA

METHOD	ANALYTE	PRIMARY
EPA 624.1	TRANS-1,2-DICHLOROETHENE	VA
EPA 624.1	TRICHLOROETHENE (TRICHLOROETHYLENE)	VA
EPA 624.1	VINYL CHLORIDE (CHLOROETHENE)	VA
EPA 624.1 EXTENDED	1,2,4-TRICHLOROBENZENE	VA
EPA 624.1 EXTENDED	N-AMYL ACETATE	VA
EPA 625.1	1,2-DIPHENYLHYDRAZINE	VA
EPA 625.1	2,3,7,8-TCDD (DIOXIN) - QUALITATIVE SCREEN BY SIM	VA
EPA 625.1	2,4,5-TRICHLOROPHENOL	VA
EPA 625.1	2,4-DICHLOROPHENOL	VA
EPA 625.1	2,4-DINITROPHENOL	VA
EPA 625.1	2,6-DINITROTOLUENE (2,6-DNT)	VA
EPA 625.1	2-CHLOROPHENOL	VA
EPA 625.1	2-METHYLPHENOL (O-CRESOL)	VA
EPA 625.1	3,3'-DICHLOROBENZIDINE	VA
EPA 625.1	4-CHLORO-3-METHYLPHENOL	VA
EPA 625.1	4-NITROPHENOL	VA
EPA 625.1	ACENAPHTHYLENE	VA
EPA 625.1	ANTHRACENE	VA
EPA 625.1	BENZO(A)ANTHRACENE	VA
EPA 625.1	BENZO(B)FLUORANTHENE	VA
EPA 625.1	BENZO(K)FLUORANTHENE	VA
EPA 625.1	BIS(2-CHLOROETHOXY)METHANE	VA
EPA 625.1	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	VA
EPA 625.1	CARBARYL (SEVIN)	VA
EPA 625.1	DI-N-BUTYL PHTHALATE	VA
EPA 625.1	DIBENZO(A,H) ANTHRACENE	VA
EPA 625.1	DIMETHYL PHTHALATE	VA
EPA 625.1	FLUORENE	VA
EPA 625.1	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	VA
EPA 625.1	HEXACHLOROETHANE	VA
EPA 625.1	ISOPHORONE	VA
EPA 625.1	N-NITROSODI-N-PROPYLAMINE	VA
EPA 625.1	N-NITROSODIPHENYLAMINE	VA
EPA 625.1	NAPHTHALENE	VA

VELAP Certificate No.: 13428

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: June 15, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 625.1	NITROBENZENE	VA
EPA 625.1	PHENANTHRENE	VA
EPA 625.1	PYRENE	VA
EPA 625.1 EXTENDED	DINONYL PHTHALATE	VA
EPA 7199	CHROMIUM VI	VA
EPA 8011	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	VA
EPA 8011 - EXTENDED	1,2,3-TRICHLOROPROPANE	VA
EPA 8015 C	GASOLINE RANGE ORGANICS (GRO)	VA
EPA 8021 B	BENZENE	VA
EPA 8021 B	M+P-XYLENE	VA
EPA 8021 B	O-XYLENE	VA
EPA 8021 B	XYLENE (TOTAL)	VA
EPA 8081 B	4,4'-DDD	VA
EPA 8081 B	4,4'-DDT	VA
EPA 8081 B	ALPHA-BHC (ALPHA-HEXACHLOROCYCLOHEXANE)	VA
EPA 8081 B	BETA-BHC (BETA-HEXACHLOROCYCLOHEXANE)	VA
EPA 8081 B	DELTA-BHC	VA
EPA 8081 B	ENDOSULFAN I	VA
EPA 8081 B	ENDOSULFAN SULFATE	VA
EPA 8081 B	ENDRIN ALDEHYDE	VA
EPA 8081 B	GAMMA-BHC (LINDANE, GAMMA-HEXACHLOROCYCLOHEXANE)	VA
EPA 8081 B	HEPTACHLOR	VA
EPA 8081 B	METHOXYCHLOR	VA
EPA 8081 B - EXTENDED	DACTHAL (DCPA)	VA
EPA 8082 A	AROCLOR-1016 (PCB-1016)	VA
EPA 8082 A	AROCLOR-1232 (PCB-1232)	VA
EPA 8082 A	AROCLOR-1248 (PCB-1248)	VA
EPA 8082 A	AROCLOR-1260 (PCB-1260)	VA
EPA 8082 A - EXTENDED	AROCLOR-1268 (PCB-1268)	VA
EPA 8141 B	CHLORPYRIFOS	VA
EPA 8141 B	DEMETON-S	VA
EPA 8141 B	DIMETHOATE	VA
EPA 8141 B	ETHION	VA

METHOD	ANALYTE	PRIMARY
EPA 625.1	PENTACHLOROPHENOL	VA
EPA 625.1	PHENOL	VA
EPA 625.1 EXTENDED	4-METHYLPHENOL (P-CRESOL)	VA
EPA 7196 A	CHROMIUM VI	VA
EPA 7470 A	MERCURY	VA
EPA 8011	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	VA
EPA 8015 C	DIESEL RANGE ORGANICS (DRO)	VA
EPA 8015 C - EXTENDED	OIL RANGE ORGANICS	VA
EPA 8021 B	ETHYLBENZENE	VA
EPA 8021 B	NAPHTHALENE	VA
EPA 8021 B	TOLUENE	VA
EPA 8021 B - EXTENDED	METHYL TERT-BUTYL ETHER (MTBE)	VA
EPA 8081 B	4,4'-DDE	VA
EPA 8081 B	ALDRIN	VA
EPA 8081 B	ALPHA-CHLORDANE (CIS-CHLORDANE)	VA
EPA 8081 B	CHLORDANE, TOTAL	VA
EPA 8081 B	DIELDRIN	VA
EPA 8081 B	ENDOSULFAN II	VA
EPA 8081 B	ENDRIN	VA
EPA 8081 B	ENDRIN KETONE	VA
EPA 8081 B	GAMMA-CHLORDANE (TRANS-CHLORDANE)	VA
EPA 8081 B	HEPTACHLOR EPOXIDE	VA
EPA 8081 B	TOXAPHENE (CHLORINATED CAMPHENE)	VA
EPA 8081 B - EXTENDED	MIREX	VA
EPA 8082 A	AROCLOR-1221 (PCB-1221)	VA
EPA 8082 A	AROCLOR-1242 (PCB-1242)	VA
EPA 8082 A	AROCLOR-1254 (PCB-1254)	VA
EPA 8082 A - EXTENDED	AROCLOR-1262 (PCB-1262)	VA
EPA 8141 B	AZINPHOS-METHYL (GUTHION)	VA
EPA 8141 B	DEMETON-O	VA
EPA 8141 B	DIAZINON	VA
EPA 8141 B	DISULFOTON	VA
EPA 8141 B	MALATHION	VA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13428

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: June 15, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8141 B	METHYL PARATHION (PARATHION, METHYL)	VA
EPA 8141 B	PHORATE	VA
EPA 8151 A	2,4,5-T	VA
EPA 8151 A	2,4-DB	VA
EPA 8151 A	4-NITROPHENOL	VA
EPA 8151 A	BENTAZON	VA
EPA 8151 A	DACTHAL (DCPA)	VA
EPA 8151 A	DICAMBA	VA
EPA 8151 A	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	VA
EPA 8151 A	MCPP	VA
EPA 8151 A	PICLORAM	VA
EPA 8260 D	1,1,1,2-TETRACHLOROETHANE	VA
EPA 8260 D	1,1,2,2-TETRACHLOROETHANE	VA
EPA 8260 D	1,1,2-TRICHLOROETHANE	VA
EPA 8260 D	1,1-DICHLOROETHYLENE	VA
EPA 8260 D	1,2,3-TRICHLOROBENZENE	VA
EPA 8260 D	1,2,4-TRICHLOROBENZENE	VA
EPA 8260 D	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	VA
EPA 8260 D	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	VA
EPA 8260 D	1,2-DICHLOROPROPANE	VA
EPA 8260 D	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	VA
EPA 8260 D	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	VA
EPA 8260 D	2,2-DICHLOROPROPANE	VA
EPA 8260 D	2-CHLOROETHYL VINYL ETHER	VA
EPA 8260 D	2-HEXANONE	VA
EPA 8260 D	4-CHLOROTOLUENE	VA
EPA 8260 D	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	VA
EPA 8260 D	ACETONITRILE	VA
EPA 8260 D	ACRYLONITRILE	VA
EPA 8260 D	BENZENE	VA
EPA 8260 D	BROMOBENZENE	VA
EPA 8260 D	BROMODICHLOROMETHANE	VA
EPA 8260 D	CARBON DISULFIDE	VA

METHOD	ANALYTE	PRIMARY
EPA 8141 B	PARATHION (PARATHION - ETHYL)	VA
EPA 8141 B - EXTENDED	DEMETON	VA
EPA 8151 A	2,4-D	VA
EPA 8151 A	3,5-DICHLOROBENZOIC ACID	VA
EPA 8151 A	ACIFLUORFEN	VA
EPA 8151 A	CHLORAMBEN	VA
EPA 8151 A	DALAPON	VA
EPA 8151 A	DICHLOROPROP (DICHLORPROP)	VA
EPA 8151 A	MCPA	VA
EPA 8151 A	PENTACHLOROPHENOL	VA
EPA 8151 A	SILVEX (2,4,5-TP)	VA
EPA 8260 D	1,1,1-TRICHLOROETHANE	VA
EPA 8260 D	1,1,2-TRICHLORO-1,2,2-TRIFLUORO ETHANE (FREON 113)	VA
EPA 8260 D	1,1-DICHLOROETHANE	VA
EPA 8260 D	1,1-DICHLOROPROPENE	VA
EPA 8260 D	1,2,3-TRICHLOROPROPANE	VA
EPA 8260 D	1,2,4-TRIMETHYLBENZENE	VA
EPA 8260 D	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	VA
EPA 8260 D	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	VA
EPA 8260 D	1,3,5-TRIMETHYLBENZENE	VA
EPA 8260 D	1,3-DICHLOROPROPANE	VA
EPA 8260 D	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	VA
EPA 8260 D	2-BUTANONE (METHYL ETHYL KETONE, MEK)	VA
EPA 8260 D	2-CHLOROTOLUENE	VA
EPA 8260 D	2-PICOLINE (2-METHYLPYRIDINE)	VA
EPA 8260 D	4-ISOPROPYLTOLUENE (P-CYMENE, P-ISOPROPYLTOLUENE)	VA
EPA 8260 D	ACETONE	VA
EPA 8260 D	ACROLEIN (PROPENAL)	VA
EPA 8260 D	ALLYL CHLORIDE (3-CHLOROPROPENE)	VA
EPA 8260 D	BENZYL CHLORIDE	VA
EPA 8260 D	BROMOCHLOROMETHANE	VA
EPA 8260 D	BROMOFORM	VA
EPA 8260 D	CARBON TETRACHLORIDE	VA

VELAP Certificate No.: 13428

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: June 15, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8260 D	CHLOROBENZENE	VA
EPA 8260 D	CHLOROETHANE (ETHYL CHLORIDE)	VA
EPA 8260 D	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	VA
EPA 8260 D	CIS-1,3-DICHLOROPROPENE	VA
EPA 8260 D	CYCLOHEXANE	VA
EPA 8260 D	DIBROMOMETHANE (METHYLENE BROMIDE)	VA
EPA 8260 D	DIETHYL ETHER	VA
EPA 8260 D	ETHYL ACETATE	VA
EPA 8260 D	ETHYL-T-BUTYLETHER (2-ETHOXY-2-METHYLPROPANE, ETBE)	VA
EPA 8260 D	ETHYLENE OXIDE	VA
EPA 8260 D	IODOMETHANE (METHYL IODIDE)	VA
EPA 8260 D	ISOPROPYL ALCOHOL (2-PROPANOL, ISOPROPANOL)	VA
EPA 8260 D	M+P-XYLENE	VA
EPA 8260 D	METHYL ACETATE	VA
EPA 8260 D	METHYL CHLORIDE (CHLOROMETHANE)	VA
EPA 8260 D	METHYL TERT-BUTYL ETHER (MTBE)	VA
EPA 8260 D	METHYLENE CHLORIDE (DICHLOROMETHANE)	VA
EPA 8260 D	N-PROPYLBENZENE	VA
EPA 8260 D	O-XYLENE	VA
EPA 8260 D	PENTAFLUOROBENZENE	VA
EPA 8260 D	SEC-BUTYLBENZENE	VA
EPA 8260 D	TERT-AMYL ETHYL ETHER (TAEE)	VA
EPA 8260 D	TERT-BUTYL ALCOHOL (2-METHYL-2-PROPANOL)	VA
EPA 8260 D	TETRACHLOROETHENE (PERCHLOROETHENE)	VA
EPA 8260 D	TRANS-1,2-DICHLOROETHENE	VA
EPA 8260 D	TRANS-1,4-DICHLORO-2-BUTENE	VA
EPA 8260 D	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	VA
EPA 8260 D	VINYL CHLORIDE (CHLOROETHENE)	VA
EPA 8260 D	CHLORODIBROMOMETHANE	VA
EPA 8260 D	CHLOROFORM	VA
EPA 8260 D	CIS-1,2-DICHLOROETHYLENE	VA
EPA 8260 D	CIS-1,4-DICHLORO-2-BUTENE	VA
EPA 8260 D	DI-ISOPROPYLETHER (DIPE, ISOPROPYL ETHER)	VA
EPA 8260 D	DICHLORODIFLUOROMETHANE (FREON-12)	VA
EPA 8260 D	ETHANOL	VA
EPA 8260 D	ETHYL METHACRYLATE	VA
EPA 8260 D	ETHYLBENZENE	VA
EPA 8260 D	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	VA
EPA 8260 D	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	VA
EPA 8260 D	ISOPROPYLBENZENE	VA
EPA 8260 D	METHACRYLONITRILE	VA
EPA 8260 D	METHYL BROMIDE (BROMOMETHANE)	VA
EPA 8260 D	METHYL METHACRYLATE	VA
EPA 8260 D	METHYLCYCLOHEXANE	VA
EPA 8260 D	N-BUTYLBENZENE	VA
EPA 8260 D	NAPHTHALENE	VA
EPA 8260 D	PENTACHLOROETHANE	VA
EPA 8260 D	PROPIONITRILE (ETHYL CYANIDE)	VA
EPA 8260 D	STYRENE	VA
EPA 8260 D	TERT-AMYL METHYL ETHER (TAME)	VA
EPA 8260 D	TERT-BUTYLBENZENE	VA
EPA 8260 D	TOLUENE	VA
EPA 8260 D	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	VA
EPA 8260 D	TRICHLOROETHENE (TRICHLOROETHYLENE)	VA
EPA 8260 D	VINYL ACETATE	VA
EPA 8260 D	XYLENE (TOTAL)	VA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13428

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: June 15, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8260 D - EXTENDED	1,3,5-TRICHLOROBENZENE	VA
EPA 8260 D - EXTENDED	DIBROMOFLUOROMETHANE	VA
EPA 8260 D - EXTENDED	N-HEXANE	VA
EPA 8260 D - EXTENDED	TETRAHYDROFURAN (THF)	VA
EPA 8270 E	1,1'-BIPHENYL (BZ-0)	VA
EPA 8270 E	1,2,4-TRICHLOROBENZENE	VA
EPA 8270 E	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	VA
EPA 8270 E	1,2-DIPHENYLHYDRAZINE	VA
EPA 8270 E	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	VA
EPA 8270 E	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	VA
EPA 8270 E	1,4-NAPHTHOQUINONE	VA
EPA 8270 E	1-CHLORONAPHTHALENE	VA
EPA 8270 E	1-NAPHTHYLAMINE	VA
EPA 8270 E	2,4,5-TRICHLOROPHENOL	VA
EPA 8270 E	2,4-DICHLOROPHENOL	VA
EPA 8270 E	2,4-DINITROPHENOL	VA
EPA 8270 E	2,6-DICHLOROPHENOL	VA
EPA 8270 E	2-ACETYLAMINOFLUORENE	VA
EPA 8270 E	2-CHLOROPHENOL	VA
EPA 8270 E	2-METHYLNAPHTHALENE	VA
EPA 8270 E	2-NAPHTHYLAMINE	VA
EPA 8270 E	2-NITROPHENOL	VA
EPA 8270 E	3,3'-DICHLOROBENZIDINE	VA
EPA 8270 E	3-METHYLCHOLANTHRENE	VA
EPA 8270 E	3-NITROANILINE	VA
EPA 8270 E	4,4'-METHYLENEBIS-N, N-DIMETHYLANILINE	VA
EPA 8270 E	4-BROMOPHENYL PHENYL ETHER (BDE-3)	VA
EPA 8270 E	4-CHLOROANILINE	VA
EPA 8270 E	4-METHYLPHENOL (P-CRESOL)	VA
EPA 8270 E	4-NITROPHENOL	VA
EPA 8270 E	5-NITRO-O-TOLUIDINE	VA
EPA 8270 E	A-A-DIMETHYLPHENETHYLAMINE	VA
EPA 8270 E	ACENAPHTHYLENE	VA
EPA 8260 D - EXTENDED	CYCLOHEXANONE	VA
EPA 8260 D - EXTENDED	ISOPROPYL ACETATE	VA
EPA 8260 D - EXTENDED	TERT-AMYL ALCOHOL (TAA)	VA
EPA 8260 D SIM	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	VA
EPA 8270 E	1,2,4,5-TETRACHLOROBENZENE	VA
EPA 8270 E	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	VA
EPA 8270 E	1,2-DINITROBENZENE (1,2-DNB)	VA
EPA 8270 E	1,3,5-TRINITROBENZENE (1,3,5-TNB)	VA
EPA 8270 E	1,3-DINITROBENZENE (1,3-DNB)	VA
EPA 8270 E	1,4-DINITROBENZENE (1,4-DNB)	VA
EPA 8270 E	1,4-PHENYLENEDIAMINE	VA
EPA 8270 E	1-METHYLNAPHTHALENE	VA
EPA 8270 E	2,3,4,6-TETRACHLOROPHENOL	VA
EPA 8270 E	2,4,6-TRICHLOROPHENOL	VA
EPA 8270 E	2,4-DIMETHYLPHENOL	VA
EPA 8270 E	2,4-DINITROTOLUENE (2,4-DNT)	VA
EPA 8270 E	2,6-DINITROTOLUENE (2,6-DNT)	VA
EPA 8270 E	2-CHLORONAPHTHALENE	VA
EPA 8270 E	2-METHYL-4,6-DINITROPHENOL (4,6-DINITRO-2-METHYLPHENOL)	VA
EPA 8270 E	2-METHYLPHENOL (O-CRESOL)	VA
EPA 8270 E	2-NITROANILINE	VA
EPA 8270 E	2-PICOLINE (2-METHYLPYRIDINE)	VA
EPA 8270 E	3,3'-DIMETHYLBENZIDINE	VA
EPA 8270 E	3-METHYLPHENOL (M-CRESOL)	VA
EPA 8270 E	4,4'-METHYLENEBIS-2-CHLOROANILINE	VA
EPA 8270 E	4-AMINOBIPHENYL	VA
EPA 8270 E	4-CHLORO-3-METHYLPHENOL	VA
EPA 8270 E	4-CHLOROPHENYL PHENYLETHER	VA
EPA 8270 E	4-NITROANILINE	VA
EPA 8270 E	4-NITROQUINOLINE-1-OXIDE	VA
EPA 8270 E	7,12-DIMETHYLBENZ(A) ANTHRACENE	VA
EPA 8270 E	ACENAPHTHENE	VA
EPA 8270 E	ACETOPHENONE	VA

VELAP Certificate No.: 13428

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: June 15, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY	METHOD	ANALYTE	PRIMARY
EPA 8270 E	ANILINE	VA	EPA 8270 E	ANTHRACENE	VA
EPA 8270 E	ARAMITE	VA	EPA 8270 E	ATRAZINE	VA
EPA 8270 E	AZINPHOS-METHYL (GUTHION)	VA	EPA 8270 E	AZOBENZENE	VA
EPA 8270 E	BENZALDEHYDE	VA	EPA 8270 E	BENZIDINE	VA
EPA 8270 E	BENZO(A)ANTHRACENE	VA	EPA 8270 E	BENZO(A)PYRENE	VA
EPA 8270 E	BENZO(B)FLUORANTHENE	VA	EPA 8270 E	BENZO(G,H,I)PERYLENE	VA
EPA 8270 E	BENZO(K)FLUORANTHENE	VA	EPA 8270 E	BENZOIC ACID	VA
EPA 8270 E	BENZYL ALCOHOL	VA	EPA 8270 E	BIS(2-CHLOROETHOXY)METHANE	VA
EPA 8270 E	BIS(2-CHLOROETHYL) ETHER	VA	EPA 8270 E	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	VA
EPA 8270 E	BUTYL BENZYL PHTHALATE	VA	EPA 8270 E	CAPROLACTAM	VA
EPA 8270 E	CARBAZOLE	VA	EPA 8270 E	CHLOROBENZILATE	VA
EPA 8270 E	CHRYSENE	VA	EPA 8270 E	DI-N-BUTYL PHTHALATE	VA
EPA 8270 E	DI-N-OCTYL PHTHALATE	VA	EPA 8270 E	DIALLATE	VA
EPA 8270 E	DIBENZ(A, J) ACRIDINE	VA	EPA 8270 E	DIBENZO(A,H) ANTHRACENE	VA
EPA 8270 E	DIBENZOFURAN	VA	EPA 8270 E	DIETHYL PHTHALATE	VA
EPA 8270 E	DIMETHOATE	VA	EPA 8270 E	DIMETHYL PHTHALATE	VA
EPA 8270 E	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	VA	EPA 8270 E	DIPHENYLAMINE	VA
EPA 8270 E	DISULFOTON	VA	EPA 8270 E	ETHYL METHANESULFONATE	VA
EPA 8270 E	FAMPHUR	VA	EPA 8270 E	FLUORANTHENE	VA
EPA 8270 E	FLUORENE	VA	EPA 8270 E	HEXACHLOROBENZENE	VA
EPA 8270 E	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	VA	EPA 8270 E	HEXACHLOROCYCLOPENTADIENE	VA
EPA 8270 E	HEXACHLOROETHANE	VA	EPA 8270 E	HEXACHLOROPHENE	VA
EPA 8270 E	HEXACHLOROPROPENE	VA	EPA 8270 E	INDENO(1,2,3-CD) PYRENE	VA
EPA 8270 E	ISODRIN	VA	EPA 8270 E	ISOPHORONE	VA
EPA 8270 E	ISOSAFROLE	VA	EPA 8270 E	KEPONE	VA
EPA 8270 E	MALATHION	VA	EPA 8270 E	METHAPYRILENE	VA
EPA 8270 E	METHYL METHANESULFONATE	VA	EPA 8270 E	METHYL PARATHION (PARATHION, METHYL)	VA
EPA 8270 E	N-NITROSO-DI-N-BUTYLAMINE	VA	EPA 8270 E	N-NITROSODI-N-PROPYLAMINE	VA
EPA 8270 E	N-NITROSODIETHYLAMINE	VA	EPA 8270 E	N-NITROSODIMETHYLAMINE	VA
EPA 8270 E	N-NITROSODIPHENYLAMINE	VA	EPA 8270 E	N-NITROSOMETHYLETHYLAMINE	VA
EPA 8270 E	N-NITROSOMORPHOLINE	VA	EPA 8270 E	N-NITROSOPIPERIDINE	VA
EPA 8270 E	N-NITROSOPYRROLIDINE	VA	EPA 8270 E	NAPHTHALENE	VA
EPA 8270 E	NICOTINE	VA	EPA 8270 E	NITROBENZENE	VA
EPA 8270 E	O,O,O-TRIETHYL PHOSPHOROTHIOATE	VA	EPA 8270 E	O-TOLUIDINE (2-METHYLANILINE)	VA
EPA 8270 E	PARATHION (PARATHION - ETHYL)	VA	EPA 8270 E	PENTACHLOROBENZENE	VA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13428

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: June 15, 2025
Expiration Date: June 14, 2026

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8270 E	PENTACHLORONITROBENZENE	VA
EPA 8270 E	PHENACETIN	VA
EPA 8270 E	PHENOL	VA
EPA 8270 E	PRONAMIDE (KERB)	VA
EPA 8270 E	PYRIDINE	VA
EPA 8270 E	THIONAZIN (ZINOPHOS, DIETHYL-O-2-PYRAZINYL PHOSPHOROTHIONATE)	VA
EPA 8270 E - EXTENDED	4-DIMETHYL AMINOAZOBENZENE	VA
EPA 9012 B	CYANIDE, TOTAL	VA
EPA 9030 B	PREP: SULFIDE	VA
EPA 9056 A	CHLORIDE	VA
EPA 9056 A	NITRATE AS N	VA
EPA 9056 A	SULFATE	VA
EPA 9065	TOTAL PHENOLICS	VA
NCASI METHOD COLOR 71.01	COLOR	VA
RSK-175	ETHENE (ETHYLENE)	VA
SM 2120 B-2021	COLOR	VA
SM 2310 B-2020	ACIDITY, AS CACO3	VA
SM 2340 B-2021	TOTAL HARDNESS AS CACO3	VA
SM 2540 B-2020	RESIDUE-TOTAL (TS)	VA
SM 2540 D-2020	RESIDUE-NONFILTERABLE (TSS)	VA
SM 3500-CR B-2020	CHROMIUM VI	VA
SM 4500-CN^- E-2021	CYANIDE	VA
SM 4500-$NO3^-$ F-2019	NITRATE-NITRITE AS N	VA
SM 4500-P B 5-2021	PREP: TOTAL PHOSPHORUS	VA
SM 4500-P E-2021	ORTHOPHOSPHATE AS P	VA
SM 4500-P E-2021 (AS HACH 8190)	PHOSPHORUS, TOTAL	VA
SM 4500-$S2^-$ D-2021	SULFIDE	VA
SM 5210 B-2016	BIOCHEMICAL OXYGEN DEMAND (BOD)	VA
SM 5220 D-2011	CHEMICAL OXYGEN DEMAND (COD)	VA
SM 5540 C-2021	SURFACTANTS - MBAS	VA

METHOD	ANALYTE	PRIMARY
EPA 8270 E	PENTACHLOROPHENOL	VA
EPA 8270 E	PHENANTHRENE	VA
EPA 8270 E	PHORATE	VA
EPA 8270 E	PYRENE	VA
EPA 8270 E	SAFROLE	VA
EPA 8270 E - EXTENDED	2,2'-OXYBIS(1-CHLOROPROPANE)	VA
EPA 8270 E - EXTENDED	DINONYL PHTHALATE	VA
EPA 9020 B	TOTAL ORGANIC HALIDES (TOX)	VA
EPA 9056 A	BROMIDE	VA
EPA 9056 A	FLUORIDE	VA
EPA 9056 A	NITRITE AS N	VA
EPA 9060 A	TOTAL ORGANIC CARBON (TOC)	VA
EPA 9215	SULFIDE	VA
RSK-175	ETHANE	VA
RSK-175	METHANE	VA
SM 2130 B-2020	TURBIDITY	VA
SM 2320 B-2021	ALKALINITY AS CACO3	VA
SM 2510 B-2021	CONDUCTIVITY	VA
SM 2540 C-2020	RESIDUE-FILTERABLE (TDS)	VA
SM 2540 F-2020	RESIDUE-SETTLEABLE	VA
SM 4500-CN^- C-2021	PREP: CYANIDE DISTILLATION	VA
SM 4500-$NO2^-$ B-2021	NITRITE AS N	VA
SM 4500-$NO3^-$ F-2019 MINUS SM 4500-$NO2^-$ B-2021 (CALC)	NITRATE AS N	VA
SM 4500-P B 5-2021 (AS HACH 8190)	PREP: TOTAL PHOSPHORUS	VA
SM 4500-P E-2021	PHOSPHORUS, TOTAL	VA
SM 4500-$S2^-$ C-2021	PREP: SULFIDE	VA
SM 4500-$S2^-$ F-2021	SULFIDE	VA
SM 5210 B-2016	CARBONACEOUS BOD (CBOD)	VA
SM 5310 C-2014	TOTAL ORGANIC CARBON (TOC)	VA

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 1010 B	FLASHPOINT	VA

METHOD	ANALYTE	PRIMARY
EPA 1311	PREP: TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)	VA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13428

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: June 15, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 1312	PREP: SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP)	VA
EPA 3060 A	PREP: HEXAVALENT CHROMIUM	VA
EPA 351.2 REV 2	KJELDAHL NITROGEN - TOTAL (TKN)	VA
EPA 3580 A	PREP: WASTE DILUTION	VA
EPA 3665 A	SULFURIC ACID/PERMANGANATE CLEAN-UP	VA
EPA 6010 D	ALUMINUM	VA
EPA 6010 D	ARSENIC	VA
EPA 6010 D	BERYLLIUM	VA
EPA 6010 D	CADMIUM	VA
EPA 6010 D	CHROMIUM	VA
EPA 6010 D	COPPER	VA
EPA 6010 D	LEAD	VA
EPA 6010 D	MANGANESE	VA
EPA 6010 D	NICKEL	VA
EPA 6010 D	SELENIUM	VA
EPA 6010 D	SILVER	VA
EPA 6010 D	STRONTIUM	VA
EPA 6010 D	TIN	VA
EPA 6010 D	VANADIUM	VA
EPA 6010 D - EXTENDED	SULFUR	VA
EPA 6020 B	ARSENIC	VA
EPA 6020 B	BERYLLIUM	VA
EPA 6020 B	CHROMIUM	VA
EPA 6020 B	COPPER	VA
EPA 6020 B	MANGANESE	VA
EPA 6020 B	NICKEL	VA
EPA 6020 B	SILVER	VA
EPA 6020 B	VANADIUM	VA
EPA 7196 A	CHROMIUM VI	VA
EPA 7471 B	MERCURY	VA
EPA 8015 C	GASOLINE RANGE ORGANICS (GRO)	VA
EPA 8021 B	BENZENE	VA
EPA 8021 B	M+P-XYLENE	VA
EPA 8021 B	O-XYLENE	VA
EPA 8021 B	XYLENE (TOTAL)	VA
EPA 8081 B	4,4'-DDD	VA

METHOD	ANALYTE	PRIMARY
EPA 3050 B	PREP: ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS	VA
EPA 350.1 REV 2	AMMONIA AS N	VA
EPA 3550 C	PREP: ULTRASONIC EXTRACTION	VA
EPA 3585	PREP: WASTE DILUTION FOR VOLATILE ORGANICS	VA
EPA 5035	PREP: CLOSED-SYSTEM PURGE AND TRAP AND EXTRACTION	VA
EPA 6010 D	ANTIMONY	VA
EPA 6010 D	BARIUM	VA
EPA 6010 D	BORON	VA
EPA 6010 D	CALCIUM	VA
EPA 6010 D	COBALT	VA
EPA 6010 D	IRON	VA
EPA 6010 D	MAGNESIUM	VA
EPA 6010 D	MOLYBDENUM	VA
EPA 6010 D	POTASSIUM	VA
EPA 6010 D	SILICA AS SIO2	VA
EPA 6010 D	SODIUM	VA
EPA 6010 D	THALLIUM	VA
EPA 6010 D	TITANIUM	VA
EPA 6010 D	ZINC	VA
EPA 6020 B	ANTIMONY	VA
EPA 6020 B	BARIUM	VA
EPA 6020 B	CADMIUM	VA
EPA 6020 B	COBALT	VA
EPA 6020 B	LEAD	VA
EPA 6020 B	MOLYBDENUM	VA
EPA 6020 B	SELENIUM	VA
EPA 6020 B	THALLIUM	VA
EPA 6020 B	ZINC	VA
EPA 7199	CHROMIUM VI	VA
EPA 8015 C	DIESEL RANGE ORGANICS (DRO)	VA
EPA 8015 C - EXTENDED	OIL RANGE ORGANICS	VA
EPA 8021 B	ETHYLBENZENE	VA
EPA 8021 B	NAPHTHALENE	VA
EPA 8021 B	TOLUENE	VA
EPA 8021 B - EXTENDED	METHYL TERT-BUTYL ETHER (MTBE)	VA
EPA 8081 B	4,4'-DDE	VA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13428

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: June 15, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8081 B	4,4'-DDT	VA
EPA 8081 B	ALPHA-BHC (ALPHA-HEXACHLOROCYCLOHEXANE)	VA
EPA 8081 B	BETA-BHC (BETA-HEXACHLOROCYCLOHEXANE)	VA
EPA 8081 B	DELTA-BHC	VA
EPA 8081 B	ENDOSULFAN I	VA
EPA 8081 B	ENDOSULFAN SULFATE	VA
EPA 8081 B	ENDRIN ALDEHYDE	VA
EPA 8081 B	GAMMA-BHC (LINDANE, GAMMA-HEXACHLOROCYCLOHEXANE)	VA
EPA 8081 B	HEPTACHLOR	VA
EPA 8081 B	METHOXYCHLOR	VA
EPA 8081 B - EXTENDED	DACTHAL (DCPA)	VA
EPA 8082 A	AROCLOR-1016 (PCB-1016)	VA
EPA 8082 A	AROCLOR-1232 (PCB-1232)	VA
EPA 8082 A	AROCLOR-1248 (PCB-1248)	VA
EPA 8082 A	AROCLOR-1260 (PCB-1260)	VA
EPA 8082 A - EXTENDED	AROCLOR-1268 (PCB-1268)	VA
EPA 8082 A - OIL	AROCLOR-1221 (PCB-1221)	VA
EPA 8082 A - OIL	AROCLOR-1242 (PCB-1242)	VA
EPA 8082 A - OIL	AROCLOR-1254 (PCB-1254)	VA
EPA 8082 A - OIL - EXTENDED	AROCLOR-1262 (PCB-1262)	VA
EPA 8141 B	AZINPHOS-METHYL (GUTHION)	VA
EPA 8141 B	DEMETON-O	VA
EPA 8141 B	DIAZINON	VA
EPA 8141 B	DISULFOTON	VA
EPA 8141 B	MALATHION	VA
EPA 8141 B	PARATHION (PARATHION - ETHYL)	VA
EPA 8141 B - EXTENDED	DEMETON	VA
EPA 8151 A	2,4-D	VA
EPA 8151 A	3,5-DICHLOROBENZOIC ACID	VA
EPA 8151 A	ACIFLUORFEN	VA
EPA 8151 A	CHLORAMBEN	VA
EPA 8151 A	DALAPON	VA
EPA 8151 A	DICHLOROPROP (DICHLORPROP)	VA

METHOD	ANALYTE	PRIMARY
EPA 8081 B	ALDRIN	VA
EPA 8081 B	ALPHA-CHLORDANE (CIS-CHLORDANE)	VA
EPA 8081 B	CHLORDANE, TOTAL	VA
EPA 8081 B	DIELDRIN	VA
EPA 8081 B	ENDOSULFAN II	VA
EPA 8081 B	ENDRIN	VA
EPA 8081 B	ENDRIN KETONE	VA
EPA 8081 B	GAMMA-CHLORDANE (TRANS-CHLORDANE)	VA
EPA 8081 B	HEPTACHLOR EPOXIDE	VA
EPA 8081 B	TOXAPHENE (CHLORINATED CAMPHENE)	VA
EPA 8081 B - EXTENDED	MIREX	VA
EPA 8082 A	AROCLOR-1221 (PCB-1221)	VA
EPA 8082 A	AROCLOR-1242 (PCB-1242)	VA
EPA 8082 A	AROCLOR-1254 (PCB-1254)	VA
EPA 8082 A - EXTENDED	AROCLOR-1262 (PCB-1262)	VA
EPA 8082 A - OIL	AROCLOR-1016 (PCB-1016)	VA
EPA 8082 A - OIL	AROCLOR-1232 (PCB-1232)	VA
EPA 8082 A - OIL	AROCLOR-1248 (PCB-1248)	VA
EPA 8082 A - OIL	AROCLOR-1260 (PCB-1260)	VA
EPA 8082 A - OIL - EXTENDED	AROCLOR-1268 (PCB-1268)	VA
EPA 8141 B	CHLORPYRIFOS	VA
EPA 8141 B	DEMETON-S	VA
EPA 8141 B	DIMETHOATE	VA
EPA 8141 B	ETHION	VA
EPA 8141 B	METHYL PARATHION (PARATHION, METHYL)	VA
EPA 8141 B	PHORATE	VA
EPA 8151 A	2,4,5-T	VA
EPA 8151 A	2,4-DB	VA
EPA 8151 A	4-NITROPHENOL	VA
EPA 8151 A	BENTAZON	VA
EPA 8151 A	DACTHAL (DCPA)	VA
EPA 8151 A	DICAMBA	VA
EPA 8151 A	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	VA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13428

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: June 15, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8151 A	MCPA	VA
EPA 8151 A	PENTACHLOROPHENOL	VA
EPA 8151 A	SILVEX (2,4,5-TP)	VA
EPA 8260 D	1,1,1-TRICHLOROETHANE	VA
EPA 8260 D	1,1,2-TRICHLORO-1,2,2-TRIFLUORO ETHANE (FREON 113)	VA
EPA 8260 D	1,1-DICHLOROETHANE	VA
EPA 8260 D	1,1-DICHLOROPROPENE	VA
EPA 8260 D	1,2,3-TRICHLOROPROPANE	VA
EPA 8260 D	1,2,4-TRIMETHYLBENZENE	VA
EPA 8260 D	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	VA
EPA 8260 D	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	VA
EPA 8260 D	1,3,5-TRIMETHYLBENZENE	VA
EPA 8260 D	1,3-DICHLOROPROPANE	VA
EPA 8260 D	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	VA
EPA 8260 D	2-BUTANONE (METHYL ETHYL KETONE, MEK)	VA
EPA 8260 D	2-HEXANONE	VA
EPA 8260 D	4-ISOPROPYLTOLUENE (P-CYMENE, P-ISOPROPYLTOLUENE)	VA
EPA 8260 D	ACETONE	VA
EPA 8260 D	ACROLEIN (PROPENAL)	VA
EPA 8260 D	ALLYL CHLORIDE (3-CHLOROPROPENE)	VA
EPA 8260 D	BROMOBENZENE	VA
EPA 8260 D	BROMODICHLOROMETHANE	VA
EPA 8260 D	CARBON DISULFIDE	VA
EPA 8260 D	CHLOROBENZENE	VA
EPA 8260 D	CHLOROETHANE (ETHYL CHLORIDE)	VA
EPA 8260 D	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	VA
EPA 8260 D	CIS-1,3-DICHLOROPROPENE	VA
EPA 8260 D	DI-ISOPROPYLETHER (DIPE, ISOPROPYL ETHER)	VA
EPA 8260 D	DICHLORODIFLUOROMETHANE (FREON-12)	VA
EPA 8260 D	ETHYL METHACRYLATE	VA
EPA 8260 D	ETHYLBENZENE	VA
EPA 8260 D	1,1,1,2-TETRACHLOROETHANE	VA
EPA 8260 D	1,1,2,2-TETRACHLOROETHANE	VA
EPA 8260 D	1,1,2-TRICHLOROETHANE	VA
EPA 8260 D	1,1-DICHLOROETHYLENE	VA
EPA 8260 D	1,2,3-TRICHLOROBENZENE	VA
EPA 8260 D	1,2,4-TRICHLOROBENZENE	VA
EPA 8260 D	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	VA
EPA 8260 D	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	VA
EPA 8260 D	1,2-DICHLOROPROPANE	VA
EPA 8260 D	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	VA
EPA 8260 D	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	VA
EPA 8260 D	2,2-DICHLOROPROPANE	VA
EPA 8260 D	2-CHLOROTOLUENE	VA
EPA 8260 D	4-CHLOROTOLUENE	VA
EPA 8260 D	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	VA
EPA 8260 D	ACETONITRILE	VA
EPA 8260 D	ACRYLONITRILE	VA
EPA 8260 D	BENZENE	VA
EPA 8260 D	BROMOCHLOROMETHANE	VA
EPA 8260 D	BROMOFORM	VA
EPA 8260 D	CARBON TETRACHLORIDE	VA
EPA 8260 D	CHLORODIBROMOMETHANE	VA
EPA 8260 D	CHLOROFORM	VA
EPA 8260 D	CIS-1,2-DICHLOROETHYLENE	VA
EPA 8260 D	CYCLOHEXANE	VA
EPA 8260 D	DIBROMOMETHANE (METHYLENE BROMIDE)	VA
EPA 8260 D	ETHANOL	VA
EPA 8260 D	ETHYL-T-BUTYLETHER (2-ETHOXY-2-METHYLPROPANE, ETBE)	VA
EPA 8260 D	MCPP	VA
EPA 8260 D	PICLORAM	VA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13428

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: June 15, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8260 D	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	VA
EPA 8260 D	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	VA
EPA 8260 D	M+P-XYLENE	VA
EPA 8260 D	METHYL ACETATE	VA
EPA 8260 D	METHYL CHLORIDE (CHLOROMETHANE)	VA
EPA 8260 D	METHYL TERT-BUTYL ETHER (MTBE)	VA
EPA 8260 D	METHYLENE CHLORIDE (DICHLOROMETHANE)	VA
EPA 8260 D	N-PROPYLBENZENE	VA
EPA 8260 D	O-XYLENE	VA
EPA 8260 D	PENTAFLUOROBENZENE	VA
EPA 8260 D	SEC-BUTYLBENZENE	VA
EPA 8260 D	TERT-AMYL ETHYL ETHER (TAEE)	VA
EPA 8260 D	TERT-BUTYL ALCOHOL (2-METHYL-2-PROPANOL)	VA
EPA 8260 D	TETRACHLOROETHENE (PERCHLOROETHENE)	VA
EPA 8260 D	TRANS-1,2-DICHLOROETHENE	VA
EPA 8260 D	TRANS-1,4-DICHLORO-2-BUTENE	VA
EPA 8260 D	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	VA
EPA 8260 D	VINYL CHLORIDE (CHLOROETHENE)	VA
EPA 8260 D - EXTENDED	1,3,5-TRICHLOROBENZENE	VA
EPA 8260 D - EXTENDED	DIBROMOFLUOROMETHANE	VA
EPA 8260 D - EXTENDED	N-HEXANE	VA
EPA 8260 D - EXTENDED	TETRAHYDROFURAN (THF)	VA
EPA 8270 E	1,2,4,5-TETRACHLOROBENZENE	VA
EPA 8270 E	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	VA
EPA 8270 E	1,2-DIPHENYLHYDRAZINE	VA
EPA 8270 E	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	VA
EPA 8270 E	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	VA
EPA 8270 E	1,4-NAPHTHOQUINONE	VA
EPA 8270 E	1-CHLORONAPHTHALENE	VA
EPA 8270 E	1-NAPHTHYLAMINE	VA

METHOD	ANALYTE	PRIMARY
EPA 8260 D	IODOMETHANE (METHYL IODIDE)	VA
EPA 8260 D	ISOPROPYLBENZENE	VA
EPA 8260 D	METHACRYLONITRILE	VA
EPA 8260 D	METHYL BROMIDE (BROMOMETHANE)	VA
EPA 8260 D	METHYL METHACRYLATE	VA
EPA 8260 D	METHYLCYCLOHEXANE	VA
EPA 8260 D	N-BUTYLBENZENE	VA
EPA 8260 D	NAPHTHALENE	VA
EPA 8260 D	PENTACHLOROETHANE	VA
EPA 8260 D	PROPIONITRILE (ETHYL CYANIDE)	VA
EPA 8260 D	STYRENE	VA
EPA 8260 D	TERT-AMYL METHYL ETHER (TAME)	VA
EPA 8260 D	TERT-BUTYLBENZENE	VA
EPA 8260 D	TOLUENE	VA
EPA 8260 D	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	VA
EPA 8260 D	TRICHLOROETHENE (TRICHLOROETHYLENE)	VA
EPA 8260 D	VINYL ACETATE	VA
EPA 8260 D	XYLENE (TOTAL)	VA
EPA 8260 D - EXTENDED	CYCLOHEXANONE	VA
EPA 8260 D - EXTENDED	ISOPROPYL ACETATE	VA
EPA 8260 D - EXTENDED	TERT-AMYL ALCOHOL (TAA)	VA
EPA 8270 E	1,1'-BIPHENYL (BZ-0)	VA
EPA 8270 E	1,2,4-TRICHLOROBENZENE	VA
EPA 8270 E	1,2-DINITROBENZENE (1,2-DNB)	VA
EPA 8270 E	1,3,5-TRINITROBENZENE (1,3,5-TNB)	VA
EPA 8270 E	1,3-DINITROBENZENE (1,3-DNB)	VA
EPA 8270 E	1,4-DINITROBENZENE (1,4-DNB)	VA
EPA 8270 E	1,4-PHENYLENEDIAMINE	VA
EPA 8270 E	1-METHYLNAPHTHALENE	VA
EPA 8270 E	2,3,4,6-TETRACHLOROPHENOL	VA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13428

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: June 15, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8270 E	2,4,5-TRICHLOROPHENOL	VA
EPA 8270 E	2,4,6-TRICHLOROPHENOL	VA
EPA 8270 E	2,4-DIMETHYLPHENOL	VA
EPA 8270 E	2,4-DINITROTOLUENE (2,4-DNT)	VA
EPA 8270 E	2,6-DINITROTOLUENE (2,6-DNT)	VA
EPA 8270 E	2-CHLORONAPHTHALENE	VA
EPA 8270 E	2-METHYL-4,6-DINITROPHENOL (4,6-DINITRO-2-METHYLPHENOL)	VA
EPA 8270 E	2-METHYLPHENOL (O-CRESOL)	VA
EPA 8270 E	2-NITROANILINE	VA
EPA 8270 E	2-PICOLINE (2-METHYLPYRIDINE)	VA
EPA 8270 E	3,3'-DIMETHYLBENZIDINE	VA
EPA 8270 E	3-METHYLPHENOL (M-CRESOL)	VA
EPA 8270 E	4,4'-METHYLENEBIS-2-CHLOROANILINE	VA
EPA 8270 E	4-BROMOPHENYL PHENYL ETHER (BDE-3)	VA
EPA 8270 E	4-CHLOROANILINE	VA
EPA 8270 E	4-METHYLPHENOL (P-CRESOL)	VA
EPA 8270 E	4-NITROPHENOL	VA
EPA 8270 E	5-NITRO-O-TOLUIDINE	VA
EPA 8270 E	ACENAPHTHENE	VA
EPA 8270 E	ACETOPHENONE	VA
EPA 8270 E	ANILINE	VA
EPA 8270 E	ARAMITE	VA
EPA 8270 E	AZINPHOS-METHYL (GUTHION)	VA
EPA 8270 E	BENZALDEHYDE	VA
EPA 8270 E	BENZO(A)ANTHRACENE	VA
EPA 8270 E	BENZO(B)FLUORANTHENE	VA
EPA 8270 E	BENZO(K)FLUORANTHENE	VA
EPA 8270 E	BENZYL ALCOHOL	VA
EPA 8270 E	BIS(2-CHLOROETHYL) ETHER	VA
EPA 8270 E	BUTYL BENZYL PHTHALATE	VA
EPA 8270 E	CARBAZOLE	VA
EPA 8270 E	CHLOROBENZILATE	VA
EPA 8270 E	DI-N-BUTYL PHTHALATE	VA
EPA 8270 E	DIALLATE	VA
EPA 8270 E	DIBENZO(A,H) ANTHRACENE	VA
EPA 8270 E	DIETHYL PHTHALATE	VA

METHOD	ANALYTE	PRIMARY
EPA 8270 E	2,4,5-TRIMETHYLANILINE	VA
EPA 8270 E	2,4-DICHLOROPHENOL	VA
EPA 8270 E	2,4-DINITROPHENOL	VA
EPA 8270 E	2,6-DICHLOROPHENOL	VA
EPA 8270 E	2-ACETYLAMINOFLUORENE	VA
EPA 8270 E	2-CHLOROPHENOL	VA
EPA 8270 E	2-METHYLNAPHTHALENE	VA
EPA 8270 E	2-NAPHTHYLAMINE	VA
EPA 8270 E	2-NITROPHENOL	VA
EPA 8270 E	3,3'-DICHLOROBENZIDINE	VA
EPA 8270 E	3-METHYLCHOLANTHRENE	VA
EPA 8270 E	3-NITROANILINE	VA
EPA 8270 E	4-AMINOBIPHENYL	VA
EPA 8270 E	4-CHLORO-3-METHYLPHENOL	VA
EPA 8270 E	4-CHLOROPHENYL PHENYLETHER	VA
EPA 8270 E	4-NITROANILINE	VA
EPA 8270 E	4-NITROQUINOLINE-1-OXIDE	VA
EPA 8270 E	7,12-DIMETHYLBENZ(A) ANTHRACENE	VA
EPA 8270 E	ACENAPHTHYLENE	VA
EPA 8270 E	AMINOAZOBENZENE	VA
EPA 8270 E	ANTHRACENE	VA
EPA 8270 E	ATRAZINE	VA
EPA 8270 E	AZOBENZENE	VA
EPA 8270 E	BENZIDINE	VA
EPA 8270 E	BENZO(A)PYRENE	VA
EPA 8270 E	BENZO(G,H,I)PERYLENE	VA
EPA 8270 E	BENZOIC ACID	VA
EPA 8270 E	BIS(2-CHLOROETHOXY)METHANE	VA
EPA 8270 E	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	VA
EPA 8270 E	CAPROLACTAM	VA
EPA 8270 E	CARBOFURAN (FURADEN)	VA
EPA 8270 E	CHRYSENE	VA
EPA 8270 E	DI-N-OCTYL PHTHALATE	VA
EPA 8270 E	DIBENZ(A, J) ACRIDINE	VA
EPA 8270 E	DIBENZOFURAN	VA
EPA 8270 E	DIMETHOATE	VA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13428

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: June 15, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8270 E	DIMETHYL PHTHALATE	VA
EPA 8270 E	DISULFOTON	VA
EPA 8270 E	FAMPHUR	VA
EPA 8270 E	FLUORENE	VA
EPA 8270 E	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	VA
EPA 8270 E	HEXACHLOROETHANE	VA
EPA 8270 E	HEXACHLOROPROPENE	VA
EPA 8270 E	ISODRIN	VA
EPA 8270 E	ISOSAFROLE	VA
EPA 8270 E	MALATHION	VA
EPA 8270 E	METHYL METHANESULFONATE	VA
EPA 8270 E	N-NITROSO-DI-N-BUTYLAMINE	VA
EPA 8270 E	N-NITROSODIETHYLAMINE	VA
EPA 8270 E	N-NITROSODIPHENYLAMINE	VA
EPA 8270 E	N-NITROSOMORPHOLINE	VA
EPA 8270 E	N-NITROSOPYRROLIDINE	VA
EPA 8270 E	NICOTINE	VA
EPA 8270 E	O,O,O-TRIETHYL PHOSPHOROTHIOATE	VA
EPA 8270 E	PARATHION (PARATHION - ETHYL)	VA
EPA 8270 E	PENTACHLOROPHENOL	VA
EPA 8270 E	PHENANTHRENE	VA
EPA 8270 E	PHORATE	VA
EPA 8270 E	PYRENE	VA
EPA 8270 E	SAFROLE	VA
EPA 8270 E - EXTENDED	2,2'-OXYBIS(1-CHLOROPROPANE)	VA
EPA 9012 B	CYANIDE, TOTAL	VA
EPA 9023	EXTRACTABLE ORGANIC HALIDES (EOX)	VA
EPA 9045 C	PH	VA
EPA 9056 A	CHLORIDE	VA
EPA 9056 A	NITRATE AS N	VA
EPA 9056 A	SULFATE	VA
EPA 9065	TOTAL PHENOLICS	VA
EPA 9215	SULFIDE	VA
SM 2540 G-2015	RESIDUE-TOTAL (TS)	VA
SM 4500-CN^- C-2021	PREP: CYANIDE DISTILLATION	VA
SM 4500-$NO3^-$ F-2019	NITRATE-NITRITE AS N	VA

METHOD	ANALYTE	PRIMARY
EPA 8270 E	DIPHENYLAMINE	VA
EPA 8270 E	ETHYL METHANESULFONATE	VA
EPA 8270 E	FLUORANTHENE	VA
EPA 8270 E	HEXACHLOROBENZENE	VA
EPA 8270 E	HEXACHLOROCYCLOPENTADIENE	VA
EPA 8270 E	HEXACHLOROPHENE	VA
EPA 8270 E	INDENO(1,2,3-CD) PYRENE	VA
EPA 8270 E	ISOPHORONE	VA
EPA 8270 E	KEPONE	VA
EPA 8270 E	METHAPYRILENE	VA
EPA 8270 E	METHYL PARATHION (PARATHION, METHYL)	VA
EPA 8270 E	N-NITROSODI-N-PROPYLAMINE	VA
EPA 8270 E	N-NITROSODIMETHYLAMINE	VA
EPA 8270 E	N-NITROSOMETHYLETHYLAMINE	VA
EPA 8270 E	N-NITROSOPIPERIDINE	VA
EPA 8270 E	NAPHTHALENE	VA
EPA 8270 E	NITROBENZENE	VA
EPA 8270 E	O-TOLUIDINE (2-METHYLANILINE)	VA
EPA 8270 E	PENTACHLOROBENZENE	VA
EPA 8270 E	PHENACETIN	VA
EPA 8270 E	PHENOL	VA
EPA 8270 E	PRONAMIDE (KERB)	VA
EPA 8270 E	PYRIDINE	VA
EPA 8270 E	THIONAZIN (ZINOPHOS, DIETHYL-O-2-PYRAZINYL PHOSPHOROTHIONATE)	VA
EPA 8270 E - EXTENDED	4-DIMETHYL AMINOAZOBENZENE	VA
EPA 9020 B	TOTAL ORGANIC HALIDES (TOX)	VA
EPA 9030 B	PREP: SULFIDE	VA
EPA 9056 A	BROMIDE	VA
EPA 9056 A	FLUORIDE	VA
EPA 9056 A	NITRITE AS N	VA
EPA 9060 A	TOTAL ORGANIC CARBON (TOC)	VA
EPA 9095 B	FREE LIQUID	VA
SM 2320 B-2021	ALKALINITY AS CACO3	VA
SM 2540 G-2015	RESIDUE-VOLATILE	VA
SM 4500-CN^- E-2021	CYANIDE	VA
SM 4500-P B 5-2021	PREP: TOTAL PHOSPHORUS	VA

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13428

Enthalpy Analytical LLC
1941 Reymet Road
Richmond, VA 23237

Virginia Laboratory ID: 460021
Effective Date: June 15, 2025
Expiration Date: June 14, 2026

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
SM 4500-P E-2021	PHOSPHORUS, TOTAL	VA

METHOD	ANALYTE	PRIMARY
SM 9221 E-2014	FECAL COLIFORMS	VA

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF GENERAL SERVICES
DIVISION OF CONSOLIDATED LABORATORY SERVICES

Certifies that

VA Laboratory ID#: 460175
Eurofins Cleveland

180 S. Van Buren Avenue
Barberton, OH 44203

Owner: EUROFINS ENVIRONMENT TESTING NORTH CENTRAL, LLC
Operator: PAUL WISE
Responsible Official: LUCAS GROSSMAN

Having met the requirements of 1 VAC 30-46 and
having been found compliant with the 2016 TNI Standard approved by The NELAC Institute
is hereby approved as an

Accredited Environmental Laboratory

As more fully described in the attached Scope of Accreditation

Effective Date: **June 16, 2025**
Expiration Date: **September 14, 2025**
Certificate # 13488

Denise M. Toney

Denise M. Toney, Ph.D., HCLD
DGS Deputy Director for Laboratories

Continued accreditation status depends on successful ongoing participation in the program.
Certificate to be conspicuously displayed at the laboratory.
Not valid unless accompanied by a valid Virginia Environmental Laboratory Accreditation Program (VELAP) Scope of Accreditation.
Customers are urged to verify the laboratory's current accreditation status.

Certificate Not Transferable

Surrender Upon Revocation

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13488

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: June 16, 2025
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
ASTM D3987-06	PREP: SHAKE EXTRACTION OF SOLID WASTE WITH WATER	OR
EPA 120.1	CONDUCTIVITY	OR
EPA 1312	PREP: SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP)	OR
EPA 1633A	11-CHLOROEICOSAFLUORO-3-OXA UNDECANE-1-SULFONIC ACID (11CL-PF3OUDS)	OR
EPA 1633A	1H, 1H, 2H, 2H-PERFLUOROHEXANE SULFONIC ACID (4:2 FTS)	OR
EPA 1633A	2H,2H,3H,3H-PERFLUOROOCTANOI C ACID (5:3 FTCA)	OR
EPA 1633A	3-PERFLUOROPROPYL PROPANOIC ACID (3:3 FTCA)	OR
EPA 1633A	9-CHLOROHEXADECAFLUORO-3-OX ANONANE-1-SULFONIC ACID (9CL-PF3ONS)	OR
EPA 1633A	N-ETHYL PERFLUOROOCTANESULFONAMID E (NETFOSA, ETFOSAM)	OR
EPA 1633A	N-ETHYLPERFLUORO-1-OCTANESU LFONAMIDOACETIC ACID (N-ETFOSAA)	OR
EPA 1633A	N-METHYL PERFLUOROOCTANESULFONAMID OETHANOL (NMEFOSE, MEFOSE)	OR
EPA 1633A	NONAFLUORO-3,6-DIOXAHEPTANOI C ACID (NFDHA)	OR
EPA 1633A	PERFLUORO-1-BUTANESULFONIC ACID (PFBS)	OR
EPA 1633A	PERFLUORO-1-HEPTANESULFONIC ACID (PFHPS)	OR
EPA 1633A	PERFLUORO-1-NONANESULFONIC ACID (PFNS)	OR
EPA 1633A	PERFLUORO-1-OCTANESULFONIC ACID (PFOS)	OR
EPA 1633A	PERFLUORO-3-METHOXYPROPANO IC ACID (PFMPA)	OR
EPA 1633A	PERFLUOROBUTANOIC ACID (PFBA)	OR
EPA 1633A	PERFLUORODODECANESULFONIC ACID (PFDOS)	OR
EPA 1633A	PERFLUOROHEPTANOIC ACID (PFHPA)	OR
EPA 1633A	PERFLUORONONANOIC ACID (PFNA)	OR
EPA 1633A	PERFLUOROPENTANOIC ACID (PFPEA)	OR
EPA 1633A	PERFLUOROTRIDECANOIC ACID (PFTRDA)	OR
EPA 1010 B	FLASHPOINT	OR
EPA 1311	PREP: TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)	OR
EPA 1631 E	MERCURY	OR
EPA 1633A	1H, 1H, 2H, 2H-PERFLUORODECANE SULFONIC ACID (8:2 FTS)	OR
EPA 1633A	1H, 1H, 2H, 2H-PERFLUOROOCTANE SULFONIC ACID (6:2 FTS)	OR
EPA 1633A	3-PERFLUOROHEPTYL PROPANOIC ACID (7:3 FTCA)	OR
EPA 1633A	4,8-DIOXA-3H-PERFLUORONONANO IC ACID (ADONA, DONA)	OR
EPA 1633A	HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA, GENX)	OR
EPA 1633A	N-ETHYL PERFLUOROOCTANESULFONAMID OETHANOL (NETFOSE, ETFOSE)	OR
EPA 1633A	N-METHYL PERFLUOROOCTANESULFONAMID E (NMEFOSA, MEFOSA)	OR
EPA 1633A	N-METHYLPERFLUORO-1-OCTANES ULFONAMIDOACETIC ACID (N-MEFOSAA)	OR
EPA 1633A	PERFLUORO(2-ETHOXYETHANE)SU LFONIC ACID (PFEESA)	OR
EPA 1633A	PERFLUORO-1-DECANESULFONIC ACID (PFDS)	OR
EPA 1633A	PERFLUORO-1-HEXANESULFONIC ACID (PFHXS)	OR
EPA 1633A	PERFLUORO-1-OCTANESULFONAMI DE (PFOSA, PFOSAM)	OR
EPA 1633A	PERFLUORO-1-PENTANESULFONIC ACID (PFPES)	OR
EPA 1633A	PERFLUORO-4-METHOXYBUTANOIC ACID (PFMBA)	OR
EPA 1633A	PERFLUORODECANOIC ACID (PFDA)	OR
EPA 1633A	PERFLUORODODECANOIC ACID (PFDOA, PFDODA)	OR
EPA 1633A	PERFLUOROHEXANOIC ACID (PFHXA)	OR
EPA 1633A	PERFLUOROOCTANOIC ACID (PFOA)	OR
EPA 1633A	PERFLUOROTETRADECANOIC ACID (PFTA, PFTDA, PFTEDA)	OR
EPA 1633A	PERFLUOROUNDECANOIC ACID (PFUNA, PFUNDA)	OR

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13488

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: June 16, 2025
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 1664 B	OIL AND GREASE (AS N-HEXANE EXTRACTABLE MATERIAL (HEM))	OR
EPA 180.1 REV 2 (AS HACH 8195)	TURBIDITY	OR
EPA 200.7 REV 4.4	ANTIMONY	OR
EPA 200.7 REV 4.4	BARIUM	OR
EPA 200.7 REV 4.4	BORON	OR
EPA 200.7 REV 4.4	CALCIUM	OR
EPA 200.7 REV 4.4	COBALT	OR
EPA 200.7 REV 4.4	IRON	OR
EPA 200.7 REV 4.4	MAGNESIUM	OR
EPA 200.7 REV 4.4	MOLYBDENUM	OR
EPA 200.7 REV 4.4	POTASSIUM	OR
EPA 200.7 REV 4.4	SILICA AS SIO2	OR
EPA 200.7 REV 4.4	SODIUM	OR
EPA 200.7 REV 4.4	TIN	OR
EPA 200.7 REV 4.4	VANADIUM	OR
EPA 200.8 REV 5.4	ALUMINUM	OR
EPA 200.8 REV 5.4	ARSENIC	OR
EPA 200.8 REV 5.4	BERYLLIUM	OR
EPA 200.8 REV 5.4	CHROMIUM	OR
EPA 200.8 REV 5.4	COPPER	OR
EPA 200.8 REV 5.4	MANGANESE	OR
EPA 200.8 REV 5.4	NICKEL	OR
EPA 200.8 REV 5.4	SILVER	OR
EPA 200.8 REV 5.4	VANADIUM	OR
EPA 200.8 REV 5.4 - EXTENDED	BORON	OR
EPA 200.8 REV 5.4 - EXTENDED	IRON	OR
EPA 200.8 REV 5.4 - EXTENDED	POTASSIUM	OR
EPA 200.8 REV 5.4 - EXTENDED	TIN	OR
EPA 245.1 REV 3	MERCURY	OR
EPA 300.0 REV 2.1	CHLORIDE	OR
EPA 300.0 REV 2.1	NITRATE AS N	OR
EPA 300.0 REV 2.1	NITRITE AS N	OR
EPA 3005 A	PREP: ACID DIGESTION OF WATERS FOR TOTAL RECOVERABLE OR DISSOLVED METALS	OR
EPA 350.1 REV 2	AMMONIA AS N	OR
EPA 1664 B	TOTAL PETROLEUM HYDROCARBONS (TPH) (AS NONPOLAR MATERIAL, SGT-HEM)	OR
EPA 200.7 REV 4.4	ALUMINUM	OR
EPA 200.7 REV 4.4	ARSENIC	OR
EPA 200.7 REV 4.4	BERYLLIUM	OR
EPA 200.7 REV 4.4	CADMIUM	OR
EPA 200.7 REV 4.4	CHROMIUM	OR
EPA 200.7 REV 4.4	COPPER	OR
EPA 200.7 REV 4.4	LEAD	OR
EPA 200.7 REV 4.4	MANGANESE	OR
EPA 200.7 REV 4.4	NICKEL	OR
EPA 200.7 REV 4.4	SELENIUM	OR
EPA 200.7 REV 4.4	SILVER	OR
EPA 200.7 REV 4.4	THALLIUM	OR
EPA 200.7 REV 4.4	TITANIUM	OR
EPA 200.7 REV 4.4	ZINC	OR
EPA 200.8 REV 5.4	ANTIMONY	OR
EPA 200.8 REV 5.4	BARIUM	OR
EPA 200.8 REV 5.4	CADMIUM	OR
EPA 200.8 REV 5.4	COBALT	OR
EPA 200.8 REV 5.4	LEAD	OR
EPA 200.8 REV 5.4	MOLYBDENUM	OR
EPA 200.8 REV 5.4	SELENIUM	OR
EPA 200.8 REV 5.4	THALLIUM	OR
EPA 200.8 REV 5.4	ZINC	OR
EPA 200.8 REV 5.4 - EXTENDED	CALCIUM	OR
EPA 200.8 REV 5.4 - EXTENDED	MAGNESIUM	OR
EPA 200.8 REV 5.4 - EXTENDED	SODIUM	OR
EPA 200.8 REV 5.4 - EXTENDED	TITANIUM	OR
EPA 300.0 REV 2.1	BROMIDE	OR
EPA 300.0 REV 2.1	FLUORIDE	OR
EPA 300.0 REV 2.1	NITRATE-NITRITE AS N	OR
EPA 300.0 REV 2.1	SULFATE	OR
EPA 3010 A	PREP: ACID DIGESTION OF AQUEOUS SAMPLES AND EXTRACTS FOR TOTAL METALS	OR

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13488

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: June 16, 2025
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 351.2 REV 2	KJELDAHL NITROGEN - TOTAL (TKN)	OR
EPA 3511	PREP: ORGANIC EXTRACTION AND SAMPLE PREPARATION	OR
EPA 3620 C	PREP: FLORISIL CLEANUP	OR
EPA 365.3	PHOSPHORUS, TOTAL	OR
EPA 3660 B	PREP: SULFUR CLEANUP	OR
EPA 410.4 REV 2	CHEMICAL OXYGEN DEMAND (COD)	OR
EPA 5030 C	PREP: PURGE AND TRAP FOR AQUEOUS SAMPLES	OR
EPA 6010 D	ANTIMONY	OR
EPA 6010 D	BARIUM	OR
EPA 6010 D	BORON	OR
EPA 6010 D	CALCIUM	OR
EPA 6010 D	COBALT	OR
EPA 6010 D	IRON	OR
EPA 6010 D	LITHIUM	OR
EPA 6010 D	MANGANESE	OR
EPA 6010 D	NICKEL	OR
EPA 6010 D	SELENIUM	OR
EPA 6010 D	SILVER	OR
EPA 6010 D	STRONTIUM	OR
EPA 6010 D	TIN	OR
EPA 6010 D	VANADIUM	OR
EPA 6010 D - EXTENDED	SILICON	OR
EPA 6020 B	ANTIMONY	OR
EPA 6020 B	BARIUM	OR
EPA 6020 B	CADMIUM	OR
EPA 6020 B	CHROMIUM	OR
EPA 6020 B	COPPER	OR
EPA 6020 B	LEAD	OR
EPA 6020 B	MANGANESE	OR
EPA 6020 B	NICKEL	OR
EPA 6020 B	SELENIUM	OR
EPA 6020 B	SODIUM	OR
EPA 6020 B	TIN	OR
EPA 6020 B	ZINC	OR
EPA 6020 B - EXTENDED	LITHIUM	OR
EPA 6020 B - EXTENDED	TITANIUM	OR
EPA 608.3	4,4'-DDE	OR
EPA 3510 C	PREP: LIQUID-LIQUID EXTRACTION	OR
EPA 353.2 REV 2	NITRATE-NITRITE AS N	OR
EPA 3630 C	PREP: SILICA GEL CLEANUP	OR
EPA 3650 B	PREP: ACID BASE PARTITION CLEANUP	OR
EPA 3665 A	SULFURIC ACID/PERMANGANATE CLEAN-UP	OR
EPA 420.4 REV 1	TOTAL PHENOLICS	OR
EPA 6010 D	ALUMINUM	OR
EPA 6010 D	ARSENIC	OR
EPA 6010 D	BERYLLIUM	OR
EPA 6010 D	CADMIUM	OR
EPA 6010 D	CHROMIUM	OR
EPA 6010 D	COPPER	OR
EPA 6010 D	LEAD	OR
EPA 6010 D	MAGNESIUM	OR
EPA 6010 D	MOLYBDENUM	OR
EPA 6010 D	POTASSIUM	OR
EPA 6010 D	SILICA AS SIO2	OR
EPA 6010 D	SODIUM	OR
EPA 6010 D	THALLIUM	OR
EPA 6010 D	TITANIUM	OR
EPA 6010 D	ZINC	OR
EPA 6020 B	ALUMINUM	OR
EPA 6020 B	ARSENIC	OR
EPA 6020 B	BERYLLIUM	OR
EPA 6020 B	CALCIUM	OR
EPA 6020 B	COBALT	OR
EPA 6020 B	IRON	OR
EPA 6020 B	MAGNESIUM	OR
EPA 6020 B	MOLYBDENUM	OR
EPA 6020 B	POTASSIUM	OR
EPA 6020 B	SILVER	OR
EPA 6020 B	THALLIUM	OR
EPA 6020 B	VANADIUM	OR
EPA 6020 B - EXTENDED	BORON	OR
EPA 6020 B - EXTENDED	STRONTIUM	OR
EPA 608.3	4,4'-DDD	OR
EPA 608.3	4,4'-DDT	OR

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13488

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: June 16, 2025
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 608.3	ALDRIN	OR
EPA 608.3	ALPHA-BHC (ALPHA-HEXACHLOROCYCLOHEXANE)	OR
EPA 608.3	ALPHA-CHLORDANE (CIS-CHLORDANE)	OR
EPA 608.3	AROCLOR-1016 (PCB-1016)	OR
EPA 608.3	AROCLOR-1221 (PCB-1221)	OR
EPA 608.3	AROCLOR-1232 (PCB-1232)	OR
EPA 608.3	AROCLOR-1242 (PCB-1242)	OR
EPA 608.3	AROCLOR-1248 (PCB-1248)	OR
EPA 608.3	AROCLOR-1254 (PCB-1254)	OR
EPA 608.3	AROCLOR-1260 (PCB-1260)	OR
EPA 608.3	BETA-BHC (BETA-HEXACHLOROCYCLOHEXANE)	OR
EPA 608.3	CHLORDANE, TOTAL	OR
EPA 608.3	DELTA-BHC	OR
EPA 608.3	DIELDRIN	OR
EPA 608.3	ENDOSULFAN I	OR
EPA 608.3	ENDOSULFAN II	OR
EPA 608.3	ENDOSULFAN SULFATE	OR
EPA 608.3	ENDRIN	OR
EPA 608.3	ENDRIN ALDEHYDE	OR
EPA 608.3	ENDRIN KETONE	OR
EPA 608.3	GAMMA-BHC (LINDANE, GAMMA-HEXACHLOROCYCLOHEXANE)	OR
EPA 608.3	GAMMA-CHLORDANE (TRANS-CHLORDANE)	OR
EPA 608.3	HEPTACHLOR	OR
EPA 608.3	HEPTACHLOR EPOXIDE	OR
EPA 608.3	METHOXYCHLOR	OR
EPA 608.3	MIREX	OR
EPA 608.3	TOXAPHENE (CHLORINATED CAMPHENE)	OR
EPA 624.1	1,1,1,2-TETRACHLOROETHANE	OR
EPA 624.1	1,1,1-TRICHLOROETHANE	OR
EPA 624.1	1,1,2,2-TETRACHLOROETHANE	OR
EPA 624.1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113)	OR
EPA 624.1	1,1,2-TRICHLOROETHANE	OR
EPA 624.1	1,1-DICHLOROETHANE	OR
EPA 624.1	1,1-DICHLOROETHYLENE	OR
EPA 624.1	1,1-DICHLOROPROPENE	OR
EPA 624.1	1,2,3-TRICHLOROBENZENE	OR
EPA 624.1	1,2,3-TRICHLOROPROPANE	OR
EPA 624.1	1,2,3-TRIMETHYLBENZENE	OR
EPA 624.1	1,2,4-TRIMETHYLBENZENE	OR
EPA 624.1	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	OR
EPA 624.1	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	OR
EPA 624.1	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	OR
EPA 624.1	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	OR
EPA 624.1	1,2-DICHLOROPROPANE	OR
EPA 624.1	1,3,5-TRIMETHYLBENZENE	OR
EPA 624.1	1,3-BUTADIENE	OR
EPA 624.1	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	OR
EPA 624.1	1,3-DICHLOROPROPANE	OR
EPA 624.1	1,3-DICHLOROPROPENE	OR
EPA 624.1	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	OR
EPA 624.1	1-BUTANOL (N-BUTANOL, N-BUTYL ALCOHOL)	OR
EPA 624.1	2,2-DICHLOROPROPANE	OR
EPA 624.1	2-BUTANONE (METHYL ETHYL KETONE, MEK)	OR
EPA 624.1	2-CHLOROETHYL VINYL ETHER	OR
EPA 624.1	2-CHLOROTOLUENE	OR
EPA 624.1	2-HEXANONE	OR
EPA 624.1	2-NITROPROPANE	OR
EPA 624.1	4-CHLOROTOLUENE	OR
EPA 624.1	4-ISOPROPYLTOLUENE (P-CYMENE, P-ISOPROPYLTOLUENE)	OR
EPA 624.1	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	OR

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13488

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: June 16, 2025
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 624.1	ACETONE	OR
EPA 624.1	ACROLEIN (PROPENAL)	OR
EPA 624.1	ALLYL CHLORIDE (3-CHLOROPROPENE)	OR
EPA 624.1	BENZYL CHLORIDE	OR
EPA 624.1	BROMOCHLOROMETHANE	OR
EPA 624.1	BROMOFORM	OR
EPA 624.1	CARBON TETRACHLORIDE	OR
EPA 624.1	CHLORODIBROMOMETHANE	OR
EPA 624.1	CHLOROFORM	OR
EPA 624.1	CIS-1,2-DICHLOROETHYLENE	OR
EPA 624.1	CYCLOHEXANE	OR
EPA 624.1	DI-ISOPROPYLETHER (DIPE, ISOPROPYL ETHER)	OR
EPA 624.1	DICHLORODIFLUOROMETHANE (FREON-12)	OR
EPA 624.1	ETHYL ACETATE	OR
EPA 624.1	ETHYL-T-BUTYLETHER (2-ETHOXY-2-METHYLPROPANE, ETBE)	OR
EPA 624.1	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	OR
EPA 624.1	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	OR
EPA 624.1	M+P-XYLENE	OR
EPA 624.1	METHYL ACETATE	OR
EPA 624.1	METHYL CHLORIDE (CHLOROMETHANE)	OR
EPA 624.1	METHYL TERT-BUTYL ETHER (MTBE)	OR
EPA 624.1	METHYLENE CHLORIDE (DICHLOROMETHANE)	OR
EPA 624.1	N-PROPYLBENZENE	OR
EPA 624.1	O-XYLENE	OR
EPA 624.1	SEC-BUTYLBENZENE	OR
EPA 624.1	TERT-AMYL METHYL ETHER (TAME)	OR
EPA 624.1	TERT-BUTYLBENZENE	OR
EPA 624.1	TETRAHYDROFURAN (THF)	OR
EPA 624.1	TRANS-1,2-DICHLOROETHENE	OR
EPA 624.1	TRANS-1,4-DICHLORO-2-BUTENE	OR

METHOD	ANALYTE	PRIMARY
EPA 624.1	ACETONITRILE	OR
EPA 624.1	ACRYLONITRILE	OR
EPA 624.1	BENZENE	OR
EPA 624.1	BROMOBENZENE	OR
EPA 624.1	BROMODICHLOROMETHANE	OR
EPA 624.1	CARBON DISULFIDE	OR
EPA 624.1	CHLOROBENZENE	OR
EPA 624.1	CHLOROETHANE (ETHYL CHLORIDE)	OR
EPA 624.1	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	OR
EPA 624.1	CIS-1,3-DICHLOROPROPENE	OR
EPA 624.1	CYCLOHEXANONE	OR
EPA 624.1	DIBROMOMETHANE (METHYLENE BROMIDE)	OR
EPA 624.1	DIETHYL ETHER	OR
EPA 624.1	ETHYL METHACRYLATE	OR
EPA 624.1	ETHYLBENZENE	OR
EPA 624.1	IODOMETHANE (METHYL IODIDE)	OR
EPA 624.1	ISOPROPYLBENZENE	OR
EPA 624.1	METHACRYLONITRILE	OR
EPA 624.1	METHYL BROMIDE (BROMOMETHANE)	OR
EPA 624.1	METHYL METHACRYLATE	OR
EPA 624.1	METHYLCYCLOHEXANE	OR
EPA 624.1	N-BUTYLBENZENE	OR
EPA 624.1	NAPHTHALENE	OR
EPA 624.1	PROPIONITRILE (ETHYL CYANIDE)	OR
EPA 624.1	STYRENE	OR
EPA 624.1	TERT-BUTYL ALCOHOL (2-METHYL-2-PROPANOL)	OR
EPA 624.1	TETRACHLOROETHENE (PERCHLOROETHENE)	OR
EPA 624.1	TOLUENE	OR
EPA 624.1	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	OR
EPA 624.1	TRICHLOROETHENE (TRICHLOROETHYLENE)	OR

VELAP Certificate No.: 13488

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: June 16, 2025
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 624.1	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	OR
EPA 624.1	VINYL CHLORIDE (CHLOROETHENE)	OR
EPA 624.1 EXTENDED	1,2,4-TRICHLOROBENZENE	OR
EPA 625.1	1,1'-BIPHENYL (BZ-0)	OR
EPA 625.1	1,2,4-TRICHLOROBENZENE	OR
EPA 625.1	2,2'-OXYBIS(1-CHLOROPROPANE)	OR
EPA 625.1	2,4,5-TRICHLOROPHENOL	OR
EPA 625.1	2,4-DICHLOROPHENOL	OR
EPA 625.1	2,4-DINITROPHENOL	OR
EPA 625.1	2,6-DICHLOROPHENOL	OR
EPA 625.1	2-CHLORONAPHTHALENE	OR
EPA 625.1	2-METHYL-4,6-DINITROPHENOL (4,6-DINITRO-2-METHYLPHENOL)	OR
EPA 625.1	2-METHYLPHENOL (O-CRESOL)	OR
EPA 625.1	2-NITROANILINE	OR
EPA 625.1	3+4-METHYLPHENOL (M+P CRESOL)	OR
EPA 625.1	3-NITROANILINE	OR
EPA 625.1	4-CHLORO-3-METHYLPHENOL	OR
EPA 625.1	4-CHLOROPHENYL PHENYLETHER	OR
EPA 625.1	4-NITROANILINE	OR
EPA 625.1	ACENAPHTHENE	OR
EPA 625.1	ACETOPHENONE	OR
EPA 625.1	ANTHRACENE	OR
EPA 625.1	BENZIDINE	OR
EPA 625.1	BENZO(A)PYRENE	OR
EPA 625.1	BENZO(G,H,I)PERYLENE	OR
EPA 625.1	BENZOIC ACID	OR
EPA 625.1	BIS(2-CHLOROETHOXY)METHANE	OR
EPA 625.1	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	OR
EPA 625.1	CARBAZOLE	OR
EPA 625.1	DI-N-BUTYL PHTHALATE	OR
EPA 625.1	DIBENZO(A,H) ANTHRACENE	OR
EPA 625.1	DIETHYL PHTHALATE	OR
EPA 625.1	DIMETHYL PHTHALATE	OR
EPA 625.1	FLUORANTHENE	OR
EPA 625.1	HEXACHLOROBENZENE	OR
EPA 624.1	VINYL ACETATE	OR
EPA 624.1	XYLENE (TOTAL)	OR
EPA 624.1 EXTENDED	N-HEXANE	OR
EPA 625.1	1,2,4,5-TETRACHLOROBENZENE	OR
EPA 625.1	1,2-DIPHENYLHYDRAZINE	OR
EPA 625.1	2,3,4,6-TETRACHLOROPHENOL	OR
EPA 625.1	2,4,6-TRICHLOROPHENOL	OR
EPA 625.1	2,4-DIMETHYLPHENOL	OR
EPA 625.1	2,4-DINITROTOLUENE (2,4-DNT)	OR
EPA 625.1	2,6-DINITROTOLUENE (2,6-DNT)	OR
EPA 625.1	2-CHLOROPHENOL	OR
EPA 625.1	2-METHYLNAPHTHALENE	OR
EPA 625.1	2-NAPHTHYLAMINE	OR
EPA 625.1	2-NITROPHENOL	OR
EPA 625.1	3,3'-DICHLOROBENZIDINE	OR
EPA 625.1	4-BROMOPHENYL PHENYL ETHER (BDE-3)	OR
EPA 625.1	4-CHLOROANILINE	OR
EPA 625.1	4-DIMETHYL AMINOAZOBENZENE	OR
EPA 625.1	4-NITROPHENOL	OR
EPA 625.1	ACENAPHTHYLENE	OR
EPA 625.1	ANILINE	OR
EPA 625.1	ATRAZINE	OR
EPA 625.1	BENZO(A)ANTHRACENE	OR
EPA 625.1	BENZO(B)FLUORANTHENE	OR
EPA 625.1	BENZO(K)FLUORANTHENE	OR
EPA 625.1	BENZYL ALCOHOL	OR
EPA 625.1	BIS(2-CHLOROETHYL) ETHER	OR
EPA 625.1	BUTYL BENZYL PHTHALATE	OR
EPA 625.1	CHRYSENE	OR
EPA 625.1	DI-N-OCTYL PHTHALATE	OR
EPA 625.1	DIBENZOFURAN	OR
EPA 625.1	DIMETHOATE	OR
EPA 625.1	DIPHENYLAMINE	OR
EPA 625.1	FLUORENE	OR

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13488

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: June 16, 2025
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 625.1	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	OR
EPA 625.1	HEXACHLOROETHANE	OR
EPA 625.1	ISOPHORONE	OR
EPA 625.1	N-NITROSODI-N-PROPYLAMINE	OR
EPA 625.1	N-NITROSODIMETHYLAMINE	OR
EPA 625.1	N-NITROSOPYRROLIDINE	OR
EPA 625.1	NITROBENZENE	OR
EPA 625.1	PENTACHLOROPHENOL	OR
EPA 625.1	PHENOL	OR
EPA 625.1	PYRIDINE	OR
EPA 7196 A	CHROMIUM VI	OR
EPA 8011	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	OR
EPA 8015 C	DIESEL RANGE ORGANICS (DRO)	OR
EPA 8015 D	DIESEL RANGE ORGANICS (DRO)	OR
EPA 8081 B	4,4'-DDD	OR
EPA 8081 B	4,4'-DDT	OR
EPA 8081 B	ALPHA-BHC (ALPHA-HEXACHLOROCYCLOHEXANE)	OR
EPA 8081 B	BETA-BHC (BETA-HEXACHLOROCYCLOHEXANE)	OR
EPA 8081 B	DELTA-BHC	OR
EPA 8081 B	ENDOSULFAN I	OR
EPA 8081 B	ENDOSULFAN SULFATE	OR
EPA 8081 B	ENDRIN ALDEHYDE	OR
EPA 8081 B	GAMMA-BHC (LINDANE, GAMMA-HEXACHLOROCYCLOHEXANE)	OR
EPA 8081 B	HEPTACHLOR	OR
EPA 8081 B	HEXACHLOROBENZENE	OR
EPA 8081 B	METHOXYCHLOR	OR
EPA 8081 B - EXTENDED	KEPONE	OR
EPA 8082 A	AROCLOR-1016 (PCB-1016)	OR
EPA 8082 A	AROCLOR-1232 (PCB-1232)	OR
EPA 8082 A	AROCLOR-1248 (PCB-1248)	OR
EPA 8082 A	AROCLOR-1260 (PCB-1260)	OR
EPA 8082 A - EXTENDED	AROCLOR-1268 (PCB-1268)	OR
EPA 8260 D	1,1,1-TRICHLOROETHANE	OR

METHOD	ANALYTE	PRIMARY
EPA 625.1	HEXACHLOROCYCLOPENTADIENE	OR
EPA 625.1	INDENO(1,2,3-CD) PYRENE	OR
EPA 625.1	N-NITROSO-DI-N-BUTYLAMINE	OR
EPA 625.1	N-NITROSODIETHYLAMINE	OR
EPA 625.1	N-NITROSODIPHENYLAMINE	OR
EPA 625.1	NAPHTHALENE	OR
EPA 625.1	PENTACHLORONITROBENZENE	OR
EPA 625.1	PHENANTHRENE	OR
EPA 625.1	PYRENE	OR
EPA 625.1 EXTENDED	4-NITROQUINOLINE-1-OXIDE	OR
EPA 7470 A	MERCURY	OR
EPA 8011	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	OR
EPA 8015 C	GASOLINE RANGE ORGANICS (GRO)	OR
EPA 8015 D	GASOLINE RANGE ORGANICS (GRO)	OR
EPA 8081 B	4,4'-DDE	OR
EPA 8081 B	ALDRIN	OR
EPA 8081 B	ALPHA-CHLORDANE (CIS-CHLORDANE)	OR
EPA 8081 B	CHLORDANE, TOTAL	OR
EPA 8081 B	DIELDRIN	OR
EPA 8081 B	ENDOSULFAN II	OR
EPA 8081 B	ENDRIN	OR
EPA 8081 B	ENDRIN KETONE	OR
EPA 8081 B	GAMMA-CHLORDANE (TRANS-CHLORDANE)	OR
EPA 8081 B	HEPTACHLOR EPOXIDE	OR
EPA 8081 B	ISODRIN	OR
EPA 8081 B	TOXAPHENE (CHLORINATED CAMPHENE)	OR
EPA 8081 B - EXTENDED	MIREX	OR
EPA 8082 A	AROCLOR-1221 (PCB-1221)	OR
EPA 8082 A	AROCLOR-1242 (PCB-1242)	OR
EPA 8082 A	AROCLOR-1254 (PCB-1254)	OR
EPA 8082 A - EXTENDED	AROCLOR-1262 (PCB-1262)	OR
EPA 8260 D	1,1,1,2-TETRACHLOROETHANE	OR
EPA 8260 D	1,1,2,2-TETRACHLOROETHANE	OR

VELAP Certificate No.: 13488

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: June 16, 2025
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8260 D	1,1,2-TRICHLORO-1,2,2-TRIFLUORO ETHANE (FREON 113)	OR
EPA 8260 D	1,1-DICHLOROETHANE	OR
EPA 8260 D	1,1-DICHLOROPROPENE	OR
EPA 8260 D	1,2,3-TRICHLOROPROPANE	OR
EPA 8260 D	1,2,4-TRICHLOROBENZENE	OR
EPA 8260 D	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	OR
EPA 8260 D	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	OR
EPA 8260 D	1,2-DICHLOROPROPANE	OR
EPA 8260 D	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	OR
EPA 8260 D	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	OR
EPA 8260 D	1-BUTANOL (N-BUTANOL, N-BUTYL ALCOHOL)	OR
EPA 8260 D	2,2-DICHLOROPROPANE	OR
EPA 8260 D	2-CHLOROETHYL VINYL ETHER	OR
EPA 8260 D	2-HEXANONE	OR
EPA 8260 D	4-CHLOROTOLUENE	OR
EPA 8260 D	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	OR
EPA 8260 D	ACETONITRILE	OR
EPA 8260 D	ACRYLONITRILE	OR
EPA 8260 D	BENZENE	OR
EPA 8260 D	BROMOBENZENE	OR
EPA 8260 D	BROMODICHLOROMETHANE	OR
EPA 8260 D	CARBON DISULFIDE	OR
EPA 8260 D	CHLOROBENZENE	OR
EPA 8260 D	CHLOROETHANE (ETHYL CHLORIDE)	OR
EPA 8260 D	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	OR
EPA 8260 D	CIS-1,3-DICHLOROPROPENE	OR
EPA 8260 D	DI-ISOPROPYLETHER (DIPE, ISOPROPYL ETHER)	OR
EPA 8260 D	DICHLORODIFLUOROMETHANE (FREON-12)	OR
EPA 8260 D	ETHYL ACETATE	OR
EPA 8260 D	ETHYL-T-BUTYLETHER (2-ETHOXY-2-METHYLPROPANE, ETBE)	OR
EPA 8260 D	1,1,2-TRICHLOROETHANE	OR
EPA 8260 D	1,1-DICHLOROETHYLENE	OR
EPA 8260 D	1,2,3-TRICHLOROBENZENE	OR
EPA 8260 D	1,2,3-TRIMETHYLBENZENE	OR
EPA 8260 D	1,2,4-TRIMETHYLBENZENE	OR
EPA 8260 D	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	OR
EPA 8260 D	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	OR
EPA 8260 D	1,3,5-TRIMETHYLBENZENE	OR
EPA 8260 D	1,3-DICHLOROPROPANE	OR
EPA 8260 D	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	OR
EPA 8260 D	1-CHLOROHEXANE	OR
EPA 8260 D	2-BUTANONE (METHYL ETHYL KETONE, MEK)	OR
EPA 8260 D	2-CHLOROTOLUENE	OR
EPA 8260 D	2-NITROPROPANE	OR
EPA 8260 D	4-ISOPROPYLTOLUENE (P-CYMENE, P-ISOPROPYLTOLUENE)	OR
EPA 8260 D	ACETONE	OR
EPA 8260 D	ACROLEIN (PROPENAL)	OR
EPA 8260 D	ALLYL CHLORIDE (3-CHLOROPROPENE)	OR
EPA 8260 D	BENZYL CHLORIDE	OR
EPA 8260 D	BROMOCHLOROMETHANE	OR
EPA 8260 D	BROMOFORM	OR
EPA 8260 D	CARBON TETRACHLORIDE	OR
EPA 8260 D	CHLORODIBROMOMETHANE	OR
EPA 8260 D	CHLOROFORM	OR
EPA 8260 D	CIS-1,2-DICHLOROETHYLENE	OR
EPA 8260 D	CYCLOHEXANE	OR
EPA 8260 D	DIBROMOMETHANE (METHYLENE BROMIDE)	OR
EPA 8260 D	DIETHYL ETHER	OR
EPA 8260 D	ETHYL METHACRYLATE	OR
EPA 8260 D	ETHYLBENZENE	OR

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13488

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: June 16, 2025
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8260 D	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	OR
EPA 8260 D	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	OR
EPA 8260 D	M+P-XYLENE	OR
EPA 8260 D	METHYL ACETATE	OR
EPA 8260 D	METHYL CHLORIDE (CHLOROMETHANE)	OR
EPA 8260 D	METHYL TERT-BUTYL ETHER (MTBE)	OR
EPA 8260 D	METHYLENE CHLORIDE (DICHLOROMETHANE)	OR
EPA 8260 D	N-PROPYLBENZENE	OR
EPA 8260 D	O-XYLENE	OR
EPA 8260 D	SEC-BUTYLBENZENE	OR
EPA 8260 D	TERT-AMYL METHYL ETHER (TAME)	OR
EPA 8260 D	TERT-BUTYLBENZENE	OR
EPA 8260 D	TOLUENE	OR
EPA 8260 D	TRANS-1,2-DICHLOROETHENE	OR
EPA 8260 D	TRANS-1,4-DICHLORO-2-BUTENE	OR
EPA 8260 D	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	OR
EPA 8260 D	VINYL CHLORIDE (CHLOROETHENE)	OR
EPA 8260 D - EXTENDED	1,3,5-TRICHLOROBENZENE	OR
EPA 8260 D - EXTENDED	2-METHYLNAPHTHALENE	OR
EPA 8260 D - EXTENDED	CYCLOHEXANONE	OR
EPA 8260 D - EXTENDED	N-BUTYL-ACETATE	OR
EPA 8260 D - EXTENDED	N-HEXANE	OR
EPA 8270 E	1,1'-BIPHENYL (BZ-0)	OR
EPA 8270 E	1,2,4-TRICHLOROBENZENE	OR
EPA 8270 E	1,2-DIPHENYLHYDRAZINE	OR
EPA 8270 E	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	OR
EPA 8270 E	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	OR
EPA 8270 E	1,4-NAPHTHOQUINONE	OR

METHOD	ANALYTE	PRIMARY
EPA 8260 D	IODOMETHANE (METHYL IODIDE)	OR
EPA 8260 D	ISOPROPYLBENZENE	OR
EPA 8260 D	METHACRYLONITRILE	OR
EPA 8260 D	METHYL BROMIDE (BROMOMETHANE)	OR
EPA 8260 D	METHYL METHACRYLATE	OR
EPA 8260 D	METHYLCYCLOHEXANE	OR
EPA 8260 D	N-BUTYLBENZENE	OR
EPA 8260 D	NAPHTHALENE	OR
EPA 8260 D	PROPIONITRILE (ETHYL CYANIDE)	OR
EPA 8260 D	STYRENE	OR
EPA 8260 D	TERT-BUTYL ALCOHOL (2-METHYL-2-PROPANOL)	OR
EPA 8260 D	TETRACHLOROETHENE (PERCHLOROETHENE)	OR
EPA 8260 D	TOTAL TRIHALOMETHANES (TTHMS)	OR
EPA 8260 D	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	OR
EPA 8260 D	TRICHLOROETHENE (TRICHLOROETHYLENE)	OR
EPA 8260 D	VINYL ACETATE	OR
EPA 8260 D	XYLENE (TOTAL)	OR
EPA 8260 D - EXTENDED	1,3-BUTADIENE	OR
EPA 8260 D - EXTENDED	CIS & TRANS-1,2-DICHLOROETHENE	OR
EPA 8260 D - EXTENDED	DICHLOROFLUOROMETHANE (FREON 21)	OR
EPA 8260 D - EXTENDED	N-HEPTANE	OR
EPA 8260 D - EXTENDED	TETRAHYDROFURAN (THF)	OR
EPA 8270 E	1,2,4,5-TETRACHLOROBENZENE	OR
EPA 8270 E	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	OR
EPA 8270 E	1,3,5-TRINITROBENZENE (1,3,5-TNB)	OR
EPA 8270 E	1,3-DINITROBENZENE (1,3-DNB)	OR
EPA 8270 E	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	OR
EPA 8270 E	1,4-PHENYLENEDIAMINE	OR

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13488

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: June 16, 2025
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8270 E	1-METHYLNAPHTHALENE	OR
EPA 8270 E	2,3,4,6-TETRACHLOROPHENOL	OR
EPA 8270 E	2,4,6-TRICHLOROPHENOL	OR
EPA 8270 E	2,4-DIMETHYLPHENOL	OR
EPA 8270 E	2,4-DINITROTOLUENE (2,4-DNT)	OR
EPA 8270 E	2,6-DINITROTOLUENE (2,6-DNT)	OR
EPA 8270 E	2-CHLORONAPHTHALENE	OR
EPA 8270 E	2-METHYL-4,6-DINITROPHENOL (4,6-DINITRO-2-METHYLPHENOL)	OR
EPA 8270 E	2-METHYLPHENOL (O-CRESOL)	OR
EPA 8270 E	2-NITROANILINE	OR
EPA 8270 E	2-PICOLINE (2-METHYLPYRIDINE)	OR
EPA 8270 E	3,3'-DICHLOROBENZIDINE	OR
EPA 8270 E	3-METHYLCHOLANTHRENE	OR
EPA 8270 E	3-NITROANILINE	OR
EPA 8270 E	4-BROMOPHENYL PHENYL ETHER (BDE-3)	OR
EPA 8270 E	4-CHLOROANILINE	OR
EPA 8270 E	4-METHYLPHENOL (P-CRESOL)	OR
EPA 8270 E	4-NITROPHENOL	OR
EPA 8270 E	5-NITRO-O-TOLUIDINE	OR
EPA 8270 E	A-A-DIMETHYLPHENETHYLAMINE	OR
EPA 8270 E	ACENAPHTHYLENE	OR
EPA 8270 E	ANILINE	OR
EPA 8270 E	ARAMITE	OR
EPA 8270 E	BENZALDEHYDE	OR
EPA 8270 E	BENZO(A)ANTHRACENE	OR
EPA 8270 E	BENZO(B)FLUORANTHENE	OR
EPA 8270 E	BENZO(K)FLUORANTHENE	OR
EPA 8270 E	BENZYL ALCOHOL	OR
EPA 8270 E	BIS(2-CHLOROETHYL) ETHER	OR
EPA 8270 E	BUTYL BENZYL PHTHALATE	OR
EPA 8270 E	CARBAZOLE	OR
EPA 8270 E	CHRYSENE	OR
EPA 8270 E	DI-N-OCTYL PHTHALATE	OR
EPA 8270 E	DIBENZO(A,H) ANTHRACENE	OR
EPA 8270 E	DIETHYL PHTHALATE	OR
EPA 8270 E	DIMETHYL PHTHALATE	OR

METHOD	ANALYTE	PRIMARY
EPA 8270 E	1-NAPHTHYLAMINE	OR
EPA 8270 E	2,4,5-TRICHLOROPHENOL	OR
EPA 8270 E	2,4-DICHLOROPHENOL	OR
EPA 8270 E	2,4-DINITROPHENOL	OR
EPA 8270 E	2,6-DICHLOROPHENOL	OR
EPA 8270 E	2-ACETYLAMINOFLUORENE	OR
EPA 8270 E	2-CHLOROPHENOL	OR
EPA 8270 E	2-METHYLNAPHTHALENE	OR
EPA 8270 E	2-NAPHTHYLAMINE	OR
EPA 8270 E	2-NITROPHENOL	OR
EPA 8270 E	3+4-METHYLPHENOL (M+P CRESOL)	OR
EPA 8270 E	3,3'-DIMETHYLBENZIDINE	OR
EPA 8270 E	3-METHYLPHENOL (M-CRESOL)	OR
EPA 8270 E	4-AMINOBIPHENYL	OR
EPA 8270 E	4-CHLORO-3-METHYLPHENOL	OR
EPA 8270 E	4-CHLOROPHENYL PHENYLETHER	OR
EPA 8270 E	4-NITROANILINE	OR
EPA 8270 E	4-NITROQUINOLINE-1-OXIDE	OR
EPA 8270 E	7,12-DIMETHYLBENZ(A) ANTHRACENE	OR
EPA 8270 E	ACENAPHTHENE	OR
EPA 8270 E	ACETOPHENONE	OR
EPA 8270 E	ANTHRACENE	OR
EPA 8270 E	ATRAZINE	OR
EPA 8270 E	BENZIDINE	OR
EPA 8270 E	BENZO(A)PYRENE	OR
EPA 8270 E	BENZO(G,H,I)PERYLENE	OR
EPA 8270 E	BENZOIC ACID	OR
EPA 8270 E	BIS(2-CHLOROETHOXY)METHANE	OR
EPA 8270 E	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	OR
EPA 8270 E	CAPROLACTAM	OR
EPA 8270 E	CHLOROBENZILATE	OR
EPA 8270 E	DI-N-BUTYL PHTHALATE	OR
EPA 8270 E	DIALLATE	OR
EPA 8270 E	DIBENZOFURAN	OR
EPA 8270 E	DIMETHOATE	OR

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13488

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: June 16, 2025
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY	METHOD	ANALYTE	PRIMARY
EPA 8270 E	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	OR	EPA 8270 E	DIPHENYLAMINE	OR
EPA 8270 E	DISULFOTON	OR	EPA 8270 E	ETHYL METHANESULFONATE	OR
EPA 8270 E	FAMPHUR	OR	EPA 8270 E	FLUORANTHENE	OR
EPA 8270 E	FLUORENE	OR	EPA 8270 E	HEXACHLOROBENZENE	OR
EPA 8270 E	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	OR	EPA 8270 E	HEXACHLOROCYCLOPENTADIENE	OR
EPA 8270 E	HEXACHLOROETHANE	OR	EPA 8270 E	HEXACHLOROPROPENE	OR
EPA 8270 E	INDENO(1,2,3-CD) PYRENE	OR	EPA 8270 E	ISODRIN	OR
EPA 8270 E	ISOPHORONE	OR	EPA 8270 E	ISOSAFROLE	OR
EPA 8270 E	METHAPYRILENE	OR	EPA 8270 E	METHYL METHANESULFONATE	OR
EPA 8270 E	METHYL PARATHION (PARATHION, METHYL)	OR	EPA 8270 E	N-NITROSO-DI-N-BUTYLAMINE	OR
EPA 8270 E	N-NITROSODI-N-PROPYLAMINE	OR	EPA 8270 E	N-NITROSODIETHYLAMINE	OR
EPA 8270 E	N-NITROSODIMETHYLAMINE	OR	EPA 8270 E	N-NITROSODIPHENYLAMINE	OR
EPA 8270 E	N-NITROSOMETHYLETHYLAMINE	OR	EPA 8270 E	N-NITROSOMORPHOLINE	OR
EPA 8270 E	N-NITROSOPIPERIDINE	OR	EPA 8270 E	N-NITROSOPYRROLIDINE	OR
EPA 8270 E	NAPHTHALENE	OR	EPA 8270 E	NITROBENZENE	OR
EPA 8270 E	O,O,O-TRIETHYL PHOSPHOROTHIOATE	OR	EPA 8270 E	O-TOLUIDINE (2-METHYLANILINE)	OR
EPA 8270 E	PARATHION (PARATHION - ETHYL)	OR	EPA 8270 E	PENTACHLOROBENZENE	OR
EPA 8270 E	PENTACHLORONITROBENZENE	OR	EPA 8270 E	PENTACHLOROPHENOL	OR
EPA 8270 E	PHENACETIN	OR	EPA 8270 E	PHENANTHRENE	OR
EPA 8270 E	PHENOL	OR	EPA 8270 E	PHORATE	OR
EPA 8270 E	PRONAMIDE (KERB)	OR	EPA 8270 E	PYRENE	OR
EPA 8270 E	PYRIDINE	OR	EPA 8270 E	SAFROLE	OR
EPA 8270 E	SULFOTEP (TETRAETHYL DITHIOPYROPHOSPHATE, TEDP)	OR	EPA 8270 E	THIONAZIN (ZINOPHOS, DIETHYL-O-2-PYRAZINYL PHOSPHOROTHIONATE)	OR
EPA 8270 E - EXTENDED	1,2,3,4-TETRACHLOROBENZENE	OR	EPA 8270 E - EXTENDED	2,2'-OXYBIS(1-CHLOROPROPANE)	OR
EPA 8270 E - EXTENDED	4-DIMETHYL AMINOAZOBENZENE	OR	EPA 8270 E - EXTENDED	CRESOLS, TOTAL	OR
EPA 8270 E - EXTENDED	DIPHENYL ETHER (DIPHENYL OXIDE)	OR	EPA 8270 E - EXTENDED	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE (ANALYTE PAIR)	OR
EPA 8270 E - EXTENDED	PENTACHLOROETHANE	OR	EPA 8270 E - EXTENDED	TRIBUTYL PHOSPHATE	OR
EPA 8315 A	FORMALDEHYDE	OR	EPA 9012 B	CYANIDE, AMENABLE	OR
EPA 9012 B	CYANIDE, TOTAL	OR	EPA 9030 B	PREP: SULFIDE	OR
EPA 9034	TOTAL SULFIDES	OR	EPA 9040 C	PH	OR
EPA 9050 A	CONDUCTIVITY	OR	EPA 9056 A	BROMIDE	OR
EPA 9056 A	CHLORIDE	OR	EPA 9056 A	FLUORIDE	OR
EPA 9056 A	NITRATE AS N	OR	EPA 9056 A	NITRITE AS N	OR
EPA 9056 A	SULFATE	OR	EPA 9056 A - EXTENDED	NITRATE-NITRITE AS N	OR
EPA 9060 A	TOTAL ORGANIC CARBON (TOC)	OR	EPA 9066	TOTAL PHENOLICS	OR

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13488

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: June 16, 2025
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 9095 B	FREE LIQUID	OR
KELADA-01	CYANIDE, TOTAL	OR
RSK-175	ETHENE (ETHYLENE)	OR
SM 2320 B-2021	ALKALINITY AS CACO3	OR
SM 2510 B-2021	CONDUCTIVITY	OR
SM 2540 C-2020	RESIDUE-FILTERABLE (TDS)	OR
SM 2540 F-2020	RESIDUE-SETTLEABLE	OR
SM 3500-FE B-2011	IRON	OR
SM 4500-P B 5-2021	PREP: TOTAL PHOSPHORUS	OR
SM 4500-$S2^{-}$ F-2021	SULFIDE	OR
SM 5210 B-2016	CARBONACEOUS BOD (CBOD)	OR
SM 5310 C-2014	TOTAL ORGANIC CARBON (TOC)	OR

METHOD	ANALYTE	PRIMARY
KELADA-01	CYANIDE, AMENABLE	OR
RSK-175	ETHANE	OR
RSK-175	METHANE	OR
SM 2340 B-2021	TOTAL HARDNESS AS CACO3	OR
SM 2540 B-2020	RESIDUE-TOTAL (TS)	OR
SM 2540 D-2020	RESIDUE-NONFILTERABLE (TSS)	OR
SM 3500-CR B-2020	CHROMIUM VI	OR
SM 4500-NH3 H-2021	AMMONIA AS N	OR
SM 4500-P E-2021	PHOSPHORUS, TOTAL	OR
SM 5210 B-2016	BIOCHEMICAL OXYGEN DEMAND (BOD)	OR
SM 5220 D-2011	CHEMICAL OXYGEN DEMAND (COD)	OR
SM 5540 C-2021	SURFACTANTS - MBAS	OR

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
ASTM D3987-06	PREP: SHAKE EXTRACTION OF SOLID WASTE WITH WATER	OR
EPA 1311	PREP: TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)	OR
EPA 1631 E	MERCURY	OR
EPA 1633A	1H, 1H, 2H, 2H-PERFLUORODECANE SULFONIC ACID (8:2 FTS)	OR
EPA 1633A	1H, 1H, 2H, 2H-PERFLUOROOCTANE SULFONIC ACID (6:2 FTS)	OR
EPA 1633A	3-PERFLUOROHEPTYL PROPANOIC ACID (7:3 FTCA)	OR
EPA 1633A	4,8-DIOXA-3H-PERFLUORONONANOIC ACID (ADONA, DONA)	OR
EPA 1633A	HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA, GENX)	OR
EPA 1633A	N-ETHYL PERFLUOROOCTANESULFONAMIDOETHANOL (NETFOSE, ETFOSE)	OR
EPA 1633A	N-METHYL PERFLUOROOCTANESULFONAMIDE (NMEFOSA, MEFOSA)	OR
EPA 1633A	N-METHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (N-MEFOSAA)	OR
EPA 1633A	PERFLUORO(2-ETHOXYETHANE)SULFONIC ACID (PFEESA)	OR

METHOD	ANALYTE	PRIMARY
EPA 1010 B	FLASHPOINT	OR
EPA 1312	PREP: SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP)	OR
EPA 1633A	11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID (11CL-PF3OUDS)	OR
EPA 1633A	1H, 1H, 2H, 2H-PERFLUOROHEXANE SULFONIC ACID (4:2 FTS)	OR
EPA 1633A	2H,2H,3H,3H-PERFLUOROOCTANOIC ACID (5:3 FTCA)	OR
EPA 1633A	3-PERFLUOROPROPYL PROPANOIC ACID (3:3 FTCA)	OR
EPA 1633A	9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC ACID (9CL-PF3ONS)	OR
EPA 1633A	N-ETHYL PERFLUOROOCTANESULFONAMIDE (NETFOSA, ETFOSAM)	OR
EPA 1633A	N-ETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (N-ETFOSAA)	OR
EPA 1633A	N-METHYL PERFLUOROOCTANESULFONAMIDOETHANOL (NMEFOSE, MEFOSE)	OR
EPA 1633A	NONAFLUORO-3,6-DIOXAHEPTANOIC ACID (NFDHA)	OR
EPA 1633A	PERFLUORO-1-BUTANESULFONIC ACID (PFBS)	OR

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13488

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: June 16, 2025
Expiration Date: September 14, 2025

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 1633A	PERFLUORO-1-DECANESULFONIC ACID (PFDS)	OR
EPA 1633A	PERFLUORO-1-HEXANESULFONIC ACID (PFHXS)	OR
EPA 1633A	PERFLUORO-1-OCTANESULFONAMIDE (PFOSA, PFOSAM)	OR
EPA 1633A	PERFLUORO-1-PENTANESULFONIC ACID (PFPES)	OR
EPA 1633A	PERFLUORO-4-METHOXYBUTANOIC ACID (PFMBA)	OR
EPA 1633A	PERFLUORODECANOIC ACID (PFDA)	OR
EPA 1633A	PERFLUORODODECANOIC ACID (PFDOA, PFDODA)	OR
EPA 1633A	PERFLUOROHEXANOIC ACID (PFHXA)	OR
EPA 1633A	PERFLUOROOCTANOIC ACID (PFOA)	OR
EPA 1633A	PERFLUOROTETRADECANOIC ACID (PFTA, PFTDA, PFTEDA)	OR
EPA 1633A	PERFLUOROUNDECANOIC ACID (PFUNA, PFUNDA)	OR
EPA 3540 C	PREP: SOXHLET EXTRACTION	OR
EPA 3580 A	PREP: WASTE DILUTION	OR
EPA 3630 C	PREP: SILICA GEL CLEANUP	OR
EPA 3660 B	PREP: SULFUR CLEANUP	OR
EPA 5030 C	PREP: PURGE AND TRAP FOR AQUEOUS SAMPLES	OR
EPA 6010 D	ALUMINUM	OR
EPA 6010 D	ARSENIC	OR
EPA 6010 D	BERYLLIUM	OR
EPA 6010 D	CADMIUM	OR
EPA 6010 D	CHROMIUM	OR
EPA 6010 D	COPPER	OR
EPA 6010 D	LEAD	OR
EPA 6010 D	MAGNESIUM	OR
EPA 6010 D	MOLYBDENUM	OR
EPA 6010 D	POTASSIUM	OR
EPA 6010 D	SILICA AS SIO2	OR
EPA 6010 D	SODIUM	OR
EPA 6010 D	THALLIUM	OR
EPA 6010 D	TITANIUM	OR
EPA 6010 D	ZINC	OR
EPA 6020 B	ALUMINUM	OR

METHOD	ANALYTE	PRIMARY
EPA 1633A	PERFLUORO-1-HEPTANESULFONIC ACID (PFHPS)	OR
EPA 1633A	PERFLUORO-1-NONANESULFONIC ACID (PFNS)	OR
EPA 1633A	PERFLUORO-1-OCTANESULFONIC ACID (PFOS)	OR
EPA 1633A	PERFLUORO-3-METHOXYPROPANOIC ACID (PFMPA)	OR
EPA 1633A	PERFLUOROBUTANOIC ACID (PFBA)	OR
EPA 1633A	PERFLUORODODECANESULFONIC ACID (PFDOS)	OR
EPA 1633A	PERFLUOROHEPTANOIC ACID (PFHPA)	OR
EPA 1633A	PERFLUORONONANOIC ACID (PFNA)	OR
EPA 1633A	PERFLUOROPENTANOIC ACID (PFPEA)	OR
EPA 1633A	PERFLUOROTRIDECANOIC ACID (PFTRDA)	OR
EPA 3050 B	PREP: ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS	OR
EPA 3546	PREP: MICROWAVE EXTRACTION	OR
EPA 3620 B	PREP: FLORISIL CLEANUP	OR
EPA 3650 B	PREP: ACID BASE PARTITION CLEANUP	OR
EPA 3665 A	SULFURIC ACID/PERMANGANATE CLEAN-UP	OR
EPA 5035 A	PREP: CLOSED-SYSTEM PURGE AND TRAP AND EXTRACTION	OR
EPA 6010 D	ANTIMONY	OR
EPA 6010 D	BARIUM	OR
EPA 6010 D	BORON	OR
EPA 6010 D	CALCIUM	OR
EPA 6010 D	COBALT	OR
EPA 6010 D	IRON	OR
EPA 6010 D	LITHIUM	OR
EPA 6010 D	MANGANESE	OR
EPA 6010 D	NICKEL	OR
EPA 6010 D	SELENIUM	OR
EPA 6010 D	SILVER	OR
EPA 6010 D	STRONTIUM	OR
EPA 6010 D	TIN	OR
EPA 6010 D	VANADIUM	OR
EPA 6010 D - EXTENDED	SILICON	OR
EPA 6020 B	ANTIMONY	OR

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13488

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: June 16, 2025
Expiration Date: September 14, 2025

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 6020 B	ARSENIC	OR
EPA 6020 B	BERYLLIUM	OR
EPA 6020 B	CALCIUM	OR
EPA 6020 B	COBALT	OR
EPA 6020 B	IRON	OR
EPA 6020 B	MAGNESIUM	OR
EPA 6020 B	MOLYBDENUM	OR
EPA 6020 B	POTASSIUM	OR
EPA 6020 B	SILVER	OR
EPA 6020 B	THALLIUM	OR
EPA 6020 B	VANADIUM	OR
EPA 6020 B - EXTENDED	BORON	OR
EPA 6020 B - EXTENDED	STRONTIUM	OR
EPA 7470 A	MERCURY	OR
EPA 8015 C	DIESEL RANGE ORGANICS (DRO)	OR
EPA 8015 D	DIESEL RANGE ORGANICS (DRO)	OR
EPA 8081 B	4,4'-DDD	OR
EPA 8081 B	4,4'-DDT	OR
EPA 8081 B	ALPHA-BHC (ALPHA-HEXACHLOROCYCLOHEXANE)	OR
EPA 8081 B	BETA-BHC (BETA-HEXACHLOROCYCLOHEXANE)	OR
EPA 8081 B	DELTA-BHC	OR
EPA 8081 B	ENDOSULFAN I	OR
EPA 8081 B	ENDOSULFAN SULFATE	OR
EPA 8081 B	ENDRIN ALDEHYDE	OR
EPA 8081 B	GAMMA-BHC (LINDANE, GAMMA-HEXACHLOROCYCLOHEXANE)	OR
EPA 8081 B	HEPTACHLOR	OR
EPA 8081 B	HEXACHLOROBENZENE	OR
EPA 8081 B	METHOXYCHLOR	OR
EPA 8081 B - EXTENDED	KEPONE	OR
EPA 8082 A	AROCLOR-1016 (PCB-1016)	OR
EPA 8082 A	AROCLOR-1232 (PCB-1232)	OR
EPA 8082 A	AROCLOR-1248 (PCB-1248)	OR
EPA 8082 A	AROCLOR-1260 (PCB-1260)	OR
EPA 8082 A - EXTENDED	AROCLOR-1268 (PCB-1268)	OR
EPA 6020 B	BARIUM	OR
EPA 6020 B	CADMIUM	OR
EPA 6020 B	CHROMIUM	OR
EPA 6020 B	COPPER	OR
EPA 6020 B	LEAD	OR
EPA 6020 B	MANGANESE	OR
EPA 6020 B	NICKEL	OR
EPA 6020 B	SELENIUM	OR
EPA 6020 B	SODIUM	OR
EPA 6020 B	TIN	OR
EPA 6020 B	ZINC	OR
EPA 6020 B - EXTENDED	LITHIUM	OR
EPA 6020 B - EXTENDED	TITANIUM	OR
EPA 7471 B	MERCURY	OR
EPA 8015 C	GASOLINE RANGE ORGANICS (GRO)	OR
EPA 8015 D	GASOLINE RANGE ORGANICS (GRO)	OR
EPA 8081 B	4,4'-DDE	OR
EPA 8081 B	ALDRIN	OR
EPA 8081 B	ALPHA-CHLORDANE (CIS-CHLORDANE)	OR
EPA 8081 B	CHLORDANE, TOTAL	OR
EPA 8081 B	DIELDRIN	OR
EPA 8081 B	ENDOSULFAN II	OR
EPA 8081 B	ENDRIN	OR
EPA 8081 B	ENDRIN KETONE	OR
EPA 8081 B	GAMMA-CHLORDANE (TRANS-CHLORDANE)	OR
EPA 8081 B	HEPTACHLOR EPOXIDE	OR
EPA 8081 B	ISODRIN	OR
EPA 8081 B	TOXAPHENE (CHLORINATED CAMPHENE)	OR
EPA 8081 B - EXTENDED	MIREX	OR
EPA 8082 A	AROCLOR-1221 (PCB-1221)	OR
EPA 8082 A	AROCLOR-1242 (PCB-1242)	OR
EPA 8082 A	AROCLOR-1254 (PCB-1254)	OR
EPA 8082 A - EXTENDED	AROCLOR-1262 (PCB-1262)	OR
EPA 8260 D	1,1,1,2-TETRACHLOROETHANE	OR

VELAP Certificate No.: 13488

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: June 16, 2025
Expiration Date: September 14, 2025

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8260 D	1,1,1-TRICHLOROETHANE	OR
EPA 8260 D	1,1,2-TRICHLORO-1,2,2-TRIFLUORO ETHANE (FREON 113)	OR
EPA 8260 D	1,1-DICHLOROETHANE	OR
EPA 8260 D	1,1-DICHLOROPROPENE	OR
EPA 8260 D	1,2,3-TRICHLOROPROPANE	OR
EPA 8260 D	1,2,4-TRICHLOROBENZENE	OR
EPA 8260 D	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	OR
EPA 8260 D	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	OR
EPA 8260 D	1,2-DICHLOROPROPANE	OR
EPA 8260 D	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	OR
EPA 8260 D	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	OR
EPA 8260 D	1-BUTANOL (N-BUTANOL, N-BUTYL ALCOHOL)	OR
EPA 8260 D	2,2-DICHLOROPROPANE	OR
EPA 8260 D	2-CHLOROETHYL VINYL ETHER	OR
EPA 8260 D	2-HEXANONE	OR
EPA 8260 D	4-CHLOROTOLUENE	OR
EPA 8260 D	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	OR
EPA 8260 D	ACETONITRILE	OR
EPA 8260 D	ACRYLONITRILE	OR
EPA 8260 D	BENZENE	OR
EPA 8260 D	BROMOBENZENE	OR
EPA 8260 D	BROMODICHLOROMETHANE	OR
EPA 8260 D	CARBON DISULFIDE	OR
EPA 8260 D	CHLOROBENZENE	OR
EPA 8260 D	CHLOROETHANE (ETHYL CHLORIDE)	OR
EPA 8260 D	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	OR
EPA 8260 D	CIS-1,3-DICHLOROPROPENE	OR
EPA 8260 D	DI-ISOPROPYLETHER (DIPE, ISOPROPYL ETHER)	OR
EPA 8260 D	DICHLORODIFLUOROMETHANE (FREON-12)	OR
EPA 8260 D	ETHYL ACETATE	OR
EPA 8260 D	ETHYL-T-BUTYLETHER (2-ETHOXY-2-METHYLPROPANE, ETBE)	OR
EPA 8260 D	1,1,2,2-TETRACHLOROETHANE	OR
EPA 8260 D	1,1,2-TRICHLOROETHANE	OR
EPA 8260 D	1,1-DICHLOROETHYLENE	OR
EPA 8260 D	1,2,3-TRICHLOROBENZENE	OR
EPA 8260 D	1,2,3-TRIMETHYLBENZENE	OR
EPA 8260 D	1,2,4-TRIMETHYLBENZENE	OR
EPA 8260 D	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	OR
EPA 8260 D	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	OR
EPA 8260 D	1,3,5-TRIMETHYLBENZENE	OR
EPA 8260 D	1,3-DICHLOROPROPANE	OR
EPA 8260 D	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	OR
EPA 8260 D	1-CHLOROHEXANE	OR
EPA 8260 D	2-BUTANONE (METHYL ETHYL KETONE, MEK)	OR
EPA 8260 D	2-CHLOROTOLUENE	OR
EPA 8260 D	2-NITROPROPANE	OR
EPA 8260 D	4-ISOPROPYLTOLUENE (P-CYMENE, P-ISOPROPYLTOLUENE)	OR
EPA 8260 D	ACETONE	OR
EPA 8260 D	ACROLEIN (PROPENAL)	OR
EPA 8260 D	ALLYL CHLORIDE (3-CHLOROPROPENE)	OR
EPA 8260 D	BENZYL CHLORIDE	OR
EPA 8260 D	BROMOCHLOROMETHANE	OR
EPA 8260 D	BROMOFORM	OR
EPA 8260 D	CARBON TETRACHLORIDE	OR
EPA 8260 D	CHLORODIBROMOMETHANE	OR
EPA 8260 D	CHLOROFORM	OR
EPA 8260 D	CIS-1,2-DICHLOROETHYLENE	OR
EPA 8260 D	CYCLOHEXANE	OR
EPA 8260 D	DIBROMOMETHANE (METHYLENE BROMIDE)	OR
EPA 8260 D	DIETHYL ETHER	OR
EPA 8260 D	ETHYL METHACRYLATE	OR

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13488

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: June 16, 2025
Expiration Date: September 14, 2025

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8260 D	ETHYLBENZENE	OR
EPA 8260 D	IODOMETHANE (METHYL IODIDE)	OR
EPA 8260 D	ISOPROPYLBENZENE	OR
EPA 8260 D	METHACRYLONITRILE	OR
EPA 8260 D	METHYL BROMIDE (BROMOMETHANE)	OR
EPA 8260 D	METHYL METHACRYLATE	OR
EPA 8260 D	METHYLCYCLOHEXANE	OR
EPA 8260 D	N-BUTYLBENZENE	OR
EPA 8260 D	NAPHTHALENE	OR
EPA 8260 D	PROPIONITRILE (ETHYL CYANIDE)	OR
EPA 8260 D	STYRENE	OR
EPA 8260 D	TERT-BUTYL ALCOHOL (2-METHYL-2-PROPANOL)	OR
EPA 8260 D	TETRACHLOROETHENE (PERCHLOROETHENE)	OR
EPA 8260 D	TOTAL TRIHALOMETHANES (TTHMS)	OR
EPA 8260 D	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	OR
EPA 8260 D	TRICHLOROETHENE (TRICHLOROETHYLENE)	OR
EPA 8260 D	VINYL ACETATE	OR
EPA 8260 D	XYLENE (TOTAL)	OR
EPA 8260 D - EXTENDED	1,3-BUTADIENE	OR
EPA 8260 D - EXTENDED	CIS & TRANS-1,2-DICHLOROETHENE	OR
EPA 8260 D - EXTENDED	DICHLOROFLUOROMETHANE (FREON 21)	OR
EPA 8260 D - EXTENDED	N-HEPTANE	OR
EPA 8260 D - EXTENDED	TETRAHYDROFURAN (THF)	OR
EPA 8270 E	1,2,4,5-TETRACHLOROBENZENE	OR
EPA 8270 E	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	OR
EPA 8270 E	1,3,5-TRINITROBENZENE (1,3,5-TNB)	OR
EPA 8270 E	1,3-DINITROBENZENE (1,3-DNB)	OR
EPA 8270 E	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	OR
EPA 8270 E	1,4-PHENYLENEDIAMINE	OR
EPA 8270 E	1-NAPHTHYLAMINE	OR
EPA 8260 D	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	OR
EPA 8260 D	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	OR
EPA 8260 D	M+P-XYLENE	OR
EPA 8260 D	METHYL ACETATE	OR
EPA 8260 D	METHYL CHLORIDE (CHLOROMETHANE)	OR
EPA 8260 D	METHYL TERT-BUTYL ETHER (MTBE)	OR
EPA 8260 D	METHYLENE CHLORIDE (DICHLOROMETHANE)	OR
EPA 8260 D	N-PROPYLBENZENE	OR
EPA 8260 D	O-XYLENE	OR
EPA 8260 D	SEC-BUTYLBENZENE	OR
EPA 8260 D	TERT-AMYL METHYL ETHER (TAME)	OR
EPA 8260 D	TERT-BUTYLBENZENE	OR
EPA 8260 D	TOLUENE	OR
EPA 8260 D	TRANS-1,2-DICHLOROETHENE	OR
EPA 8260 D	TRANS-1,4-DICHLORO-2-BUTENE	OR
EPA 8260 D	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	OR
EPA 8260 D	VINYL CHLORIDE (CHLOROETHENE)	OR
EPA 8260 D - EXTENDED	1,3,5-TRICHLOROBENZENE	OR
EPA 8260 D - EXTENDED	2-METHYLNAPHTHALENE	OR
EPA 8260 D - EXTENDED	CYCLOHEXANONE	OR
EPA 8260 D - EXTENDED	N-BUTYL-ACETATE	OR
EPA 8260 D - EXTENDED	N-HEXANE	OR
EPA 8270 E	1,1'-BIPHENYL (BZ-0)	OR
EPA 8270 E	1,2,4-TRICHLOROBENZENE	OR
EPA 8270 E	1,2-DIPHENYLHYDRAZINE	OR
EPA 8270 E	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	OR
EPA 8270 E	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	OR
EPA 8270 E	1,4-NAPHTHOQUINONE	OR
EPA 8270 E	1-METHYLNAPHTHALENE	OR

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13488

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: June 16, 2025
Expiration Date: September 14, 2025

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8270 E	2,3,4,6-TETRACHLOROPHENOL	OR
EPA 8270 E	2,4,6-TRICHLOROPHENOL	OR
EPA 8270 E	2,4-DIMETHYLPHENOL	OR
EPA 8270 E	2,4-DINITROTOLUENE (2,4-DNT)	OR
EPA 8270 E	2,6-DINITROTOLUENE (2,6-DNT)	OR
EPA 8270 E	2-CHLORONAPHTHALENE	OR
EPA 8270 E	2-METHYL-4,6-DINITROPHENOL (4,6-DINITRO-2-METHYLPHENOL)	OR
EPA 8270 E	2-METHYLPHENOL (O-CRESOL)	OR
EPA 8270 E	2-NITROANILINE	OR
EPA 8270 E	2-PICOLINE (2-METHYLPYRIDINE)	OR
EPA 8270 E	3,3'-DICHLOROBENZIDINE	OR
EPA 8270 E	3-METHYLCHOLANTHRENE	OR
EPA 8270 E	3-NITROANILINE	OR
EPA 8270 E	4-BROMOPHENYL PHENYL ETHER (BDE-3)	OR
EPA 8270 E	4-CHLOROANILINE	OR
EPA 8270 E	4-METHYLPHENOL (P-CRESOL)	OR
EPA 8270 E	4-NITROPHENOL	OR
EPA 8270 E	5-NITRO-O-TOLUIDINE	OR
EPA 8270 E	A-A-DIMETHYLPHENETHYLAMINE	OR
EPA 8270 E	ACENAPHTHYLENE	OR
EPA 8270 E	ANILINE	OR
EPA 8270 E	ARAMITE	OR
EPA 8270 E	BENZALDEHYDE	OR
EPA 8270 E	BENZO(A)ANTHRACENE	OR
EPA 8270 E	BENZO(B)FLUORANTHENE	OR
EPA 8270 E	BENZO(K)FLUORANTHENE	OR
EPA 8270 E	BENZYL ALCOHOL	OR
EPA 8270 E	BIS(2-CHLOROETHYL) ETHER	OR
EPA 8270 E	BUTYL BENZYL PHTHALATE	OR
EPA 8270 E	CARBAZOLE	OR
EPA 8270 E	CHRYSENE	OR
EPA 8270 E	DI-N-OCTYL PHTHALATE	OR
EPA 8270 E	DIBENZO(A,H) ANTHRACENE	OR
EPA 8270 E	DIETHYL PHTHALATE	OR
EPA 8270 E	DIMETHYL PHTHALATE	OR

METHOD	ANALYTE	PRIMARY
EPA 8270 E	2,4,5-TRICHLOROPHENOL	OR
EPA 8270 E	2,4-DICHLOROPHENOL	OR
EPA 8270 E	2,4-DINITROPHENOL	OR
EPA 8270 E	2,6-DICHLOROPHENOL	OR
EPA 8270 E	2-ACETYLAMINOFLUORENE	OR
EPA 8270 E	2-CHLOROPHENOL	OR
EPA 8270 E	2-METHYLNAPHTHALENE	OR
EPA 8270 E	2-NAPHTHYLAMINE	OR
EPA 8270 E	2-NITROPHENOL	OR
EPA 8270 E	3+4-METHYLPHENOL (M+P CRESOL)	OR
EPA 8270 E	3,3'-DIMETHYLBENZIDINE	OR
EPA 8270 E	3-METHYLPHENOL (M-CRESOL)	OR
EPA 8270 E	4-AMINOBIPHENYL	OR
EPA 8270 E	4-CHLORO-3-METHYLPHENOL	OR
EPA 8270 E	4-CHLOROPHENYL PHENYLETHER	OR
EPA 8270 E	4-NITROANILINE	OR
EPA 8270 E	4-NITROQUINOLINE-1-OXIDE	OR
EPA 8270 E	7,12-DIMETHYLBENZ(A) ANTHRACENE	OR
EPA 8270 E	ACENAPHTHENE	OR
EPA 8270 E	ACETOPHENONE	OR
EPA 8270 E	ANTHRACENE	OR
EPA 8270 E	ATRAZINE	OR
EPA 8270 E	BENZIDINE	OR
EPA 8270 E	BENZO(A)PYRENE	OR
EPA 8270 E	BENZO(G,H,I)PERYLENE	OR
EPA 8270 E	BENZOIC ACID	OR
EPA 8270 E	BIS(2-CHLOROETHOXY)METHANE	OR
EPA 8270 E	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	OR
EPA 8270 E	CAPROLACTAM	OR
EPA 8270 E	CHLOROBENZILATE	OR
EPA 8270 E	DI-N-BUTYL PHTHALATE	OR
EPA 8270 E	DIALLATE	OR
EPA 8270 E	DIBENZOFURAN	OR
EPA 8270 E	DIMETHOATE	OR
EPA 8270 E	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	OR

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13488

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: June 16, 2025
Expiration Date: September 14, 2025

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8270 E	DIPHENYLAMINE	OR
EPA 8270 E	ETHYL METHANESULFONATE	OR
EPA 8270 E	FLUORANTHENE	OR
EPA 8270 E	HEXACHLOROBENZENE	OR
EPA 8270 E	HEXACHLOROCYCLOPENTADIENE	OR
EPA 8270 E	HEXACHLOROPROPENE	OR
EPA 8270 E	ISODRIN	OR
EPA 8270 E	ISOSAFROLE	OR
EPA 8270 E	METHYL METHANESULFONATE	OR
EPA 8270 E	N-NITROSO-DI-N-BUTYLAMINE	OR
EPA 8270 E	N-NITROSODIETHYLAMINE	OR
EPA 8270 E	N-NITROSODIPHENYLAMINE	OR
EPA 8270 E	N-NITROSOMORPHOLINE	OR
EPA 8270 E	N-NITROSOPYRROLIDINE	OR
EPA 8270 E	NITROBENZENE	OR
EPA 8270 E	O-TOLUIDINE (2-METHYLANILINE)	OR
EPA 8270 E	PENTACHLOROBENZENE	OR
EPA 8270 E	PENTACHLOROPHENOL	OR
EPA 8270 E	PHENANTHRENE	OR
EPA 8270 E	PHORATE	OR
EPA 8270 E	PYRENE	OR
EPA 8270 E	SAFROLE	OR
EPA 8270 E	THIONAZIN (ZINOPHOS, DIETHYL-O-2-PYRAZINYL PHOSPHOROTHIONATE)	OR
EPA 8270 E - EXTENDED	2,2'-OXYBIS(1-CHLOROPROPANE)	OR
EPA 8270 E - EXTENDED	CRESOLS, TOTAL	OR
EPA 8270 E - EXTENDED	PENTACHLOROETHANE	OR
EPA 8315 A	FORMALDEHYDE	OR
EPA 9012 B	CYANIDE, TOTAL	OR
EPA 9034	TOTAL SULFIDES	OR
EPA 9045 D	PH	OR
EPA 9056 A	CHLORIDE	OR
EPA 9056 A	NITRATE AS N	OR
EPA 9056 A	SULFATE	OR
EPA 9095 B	FREE LIQUID	OR

METHOD	ANALYTE	PRIMARY
EPA 8270 E	DISULFOTON	OR
EPA 8270 E	FAMPHUR	OR
EPA 8270 E	FLUORENE	OR
EPA 8270 E	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	OR
EPA 8270 E	HEXACHLOROETHANE	OR
EPA 8270 E	INDENO(1,2,3-CD) PYRENE	OR
EPA 8270 E	ISOPHORONE	OR
EPA 8270 E	METHAPYRILENE	OR
EPA 8270 E	METHYL PARATHION (PARATHION, METHYL)	OR
EPA 8270 E	N-NITROSODI-N-PROPYLAMINE	OR
EPA 8270 E	N-NITROSODIMETHYLAMINE	OR
EPA 8270 E	N-NITROSOMETHYLETHYLAMINE	OR
EPA 8270 E	N-NITROSOPIPERIDINE	OR
EPA 8270 E	NAPHTHALENE	OR
EPA 8270 E	O,O,O-TRIETHYL PHOSPHOROTHIOATE	OR
EPA 8270 E	PARATHION (PARATHION - ETHYL)	OR
EPA 8270 E	PENTACHLORONITROBENZENE	OR
EPA 8270 E	PHENACETIN	OR
EPA 8270 E	PHENOL	OR
EPA 8270 E	PRONAMIDE (KERB)	OR
EPA 8270 E	PYRIDINE	OR
EPA 8270 E	SULFOTEP (TETRAETHYL DITHIOPYROPHOSPHATE, TEDP)	OR
EPA 8270 E - EXTENDED	1,2,3,4-TETRACHLOROBENZENE	OR
EPA 8270 E - EXTENDED	4-DIMETHYL AMINOAZOBENZENE	OR
EPA 8270 E - EXTENDED	DIPHENYL ETHER (DIPHENYL OXIDE)	OR
EPA 8270 E - EXTENDED	TRIBUTYL PHOSPHATE	OR
EPA 9012 B	CYANIDE, AMENABLE	OR
EPA 9030 B	PREP: SULFIDE	OR
EPA 9040 C	PH	OR
EPA 9056 A	BROMIDE	OR
EPA 9056 A	FLUORIDE	OR
EPA 9056 A	NITRITE AS N	OR
EPA 9056 A - EXTENDED	NITRATE-NITRITE AS N	OR

COPY

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF GENERAL SERVICES
DIVISION OF CONSOLIDATED LABORATORY SERVICES

Certifies that

VA Laboratory ID#: 460175
Eurofins Cleveland

180 S. Van Buren Avenue
Barberton, OH 44203

Owner: EUROFINS ENVIRONMENT TESTING NORTH CENTRAL, LLC
Operator: PAUL WISE
Responsible Official: LUCAS GROSSMAN

Having met the requirements of 1 VAC 30-46 and
having been found compliant with the 2016 TNI Standard approved by The NELAC Institute
is hereby approved as an

Accredited Environmental Laboratory

As more fully described in the attached Scope of Accreditation

Effective Date: **August 8, 2024**
Expiration Date: **September 14, 2025**
Certificate # 13089

Marilyn Bibbs Freeman, Ph.D., M(ASCP)
DCLS Deputy Director

Continued accreditation status depends on successful ongoing participation in the program.
Certificate to be conspicuously displayed at the laboratory.
Not valid unless accompanied by a valid Virginia Environmental Laboratory Accreditation Program (VELAP) Scope of Accreditation.
Customers are urged to verify the laboratory's current accreditation status.

Certificate Not Transferable

Surrender Upon Revocation

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

COPY

Scope of Accreditation

VELAP Certificate No.: 13089

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: August 08, 2024
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
ASTM D3987-06	PREP: SHAKE EXTRACTION OF SOLID WASTE WITH WATER	OR
EPA 120.1	CONDUCTIVITY	OR
EPA 1312	PREP: SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP)	OR
EPA 1631 E	MERCURY	OR
EPA 1633	1H, 1H, 2H, 2H-PERFLUORODECANE SULFONIC ACID (8:2 FTS)	OR
EPA 1633	1H, 1H, 2H, 2H-PERFLUOROOCTANE SULFONIC ACID (6:2 FTS)	OR
EPA 1633	3-PERFLUOROHEPTYL PROPANOIC ACID (7:3 FTCA)	OR
EPA 1633	4,8-DIOXA-3H-PERFLUORONONANOIC ACID (ADONA, DONA)	OR
EPA 1633	HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA, GENX)	OR
EPA 1633	N-ETHYL PERFLUOROOCTANESULFONAMIDOETHANOL (NETFOSE, ETFOSE)	OR
EPA 1633	N-METHYL PERFLUOROOCTANESULFONAMIDE (NMEFOSA, MEFOSA)	OR
EPA 1633	N-METHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (N-MEFOSAA)	OR
EPA 1633	PERFLUORO(2-ETHOXYETHANE)SULFONIC ACID (PFEESA)	OR
EPA 1633	PERFLUORO-1-DECANESULFONIC ACID (PFDS)	OR
EPA 1633	PERFLUORO-1-HEXANESULFONIC ACID (PFHXS)	OR
EPA 1633	PERFLUORO-1-OCTANESULFONAMIDE (PFOSA, PFOSAM)	OR
EPA 1633	PERFLUORO-1-PENTANESULFONIC ACID (PFPES)	OR
EPA 1633	PERFLUORO-4-METHOXYBUTANOIC ACID (PFMBA)	OR
EPA 1633	PERFLUORODECANOIC ACID (PFDA)	OR
EPA 1633	PERFLUORODODECANOIC ACID (PFDOA, PFDODA)	OR
EPA 1633	PERFLUOROHEXANOIC ACID (PFHXA)	OR
EPA 1010 B	FLASHPOINT	OR
EPA 1311	PREP: TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)	OR
EPA 1630	METHYL MERCURY	OR
EPA 1633	11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID (11CL-PF3OUDS)	OR
EPA 1633	1H, 1H, 2H, 2H-PERFLUOROHEXANE SULFONIC ACID (4:2 FTS)	OR
EPA 1633	2H,2H,3H,3H-PERFLUOROOCTANOIC ACID (5:3 FTCA)	OR
EPA 1633	3-PERFLUOROPROPYL PROPANOIC ACID (3:3 FTCA)	OR
EPA 1633	9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC ACID (9CL-PF3ONS)	OR
EPA 1633	N-ETHYL PERFLUOROOCTANESULFONAMIDE (NETFOSA, ETFOSAM)	OR
EPA 1633	N-ETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (N-ETFOSAA)	OR
EPA 1633	N-METHYL PERFLUOROOCTANESULFONAMIDOETHANOL (NMEFOSE, MEFOSE)	OR
EPA 1633	NONAFLUORO-3,6-DIOXAHEPTANOIC ACID (NFDHA)	OR
EPA 1633	PERFLUORO-1-BUTANESULFONIC ACID (PFBS)	OR
EPA 1633	PERFLUORO-1-HEPTANESULFONIC ACID (PFHPS)	OR
EPA 1633	PERFLUORO-1-NONANESULFONIC ACID (PFNS)	OR
EPA 1633	PERFLUORO-1-OCTANESULFONIC ACID (PFOS)	OR
EPA 1633	PERFLUORO-3-METHOXYPROPANOIC ACID (PFMPA)	OR
EPA 1633	PERFLUOROBUTANOIC ACID (PFBA)	OR
EPA 1633	PERFLUORODODECANESULFONIC ACID (PFDOS)	OR
EPA 1633	PERFLUOROHEPTANOIC ACID (PFHPA)	OR
EPA 1633	PERFLUORONONANOIC ACID (PFNA)	OR

COPY

Scope of Accreditation

VELAP Certificate No.: 13089

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: August 08, 2024
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 1633	PERFLUOROOCTANOIC ACID (PFOA)	OR
EPA 1633	PERFLUOROTETRADECANOIC ACID (PFTA, PFTDA, PFTEDA)	OR
EPA 1633	PERFLUOROUNDECANOIC ACID (PFUNA, PFUNDA)	OR
EPA 1664 B	TOTAL PETROLEUM HYDROCARBONS (TPH) (AS NONPOLAR MATERIAL, SGT-HEM)	OR
EPA 200.7 REV 4.4	ALUMINUM	OR
EPA 200.7 REV 4.4	ARSENIC	OR
EPA 200.7 REV 4.4	BERYLLIUM	OR
EPA 200.7 REV 4.4	CADMIUM	OR
EPA 200.7 REV 4.4	CHROMIUM	OR
EPA 200.7 REV 4.4	COPPER	OR
EPA 200.7 REV 4.4	LEAD	OR
EPA 200.7 REV 4.4	MANGANESE	OR
EPA 200.7 REV 4.4	NICKEL	OR
EPA 200.7 REV 4.4	SELENIUM	OR
EPA 200.7 REV 4.4	SILVER	OR
EPA 200.7 REV 4.4	THALLIUM	OR
EPA 200.7 REV 4.4	TITANIUM	OR
EPA 200.7 REV 4.4	ZINC	OR
EPA 200.8 REV 5.4	ANTIMONY	OR
EPA 200.8 REV 5.4	BARIUM	OR
EPA 200.8 REV 5.4	CADMIUM	OR
EPA 200.8 REV 5.4	COBALT	OR
EPA 200.8 REV 5.4	LEAD	OR
EPA 200.8 REV 5.4	MOLYBDENUM	OR
EPA 200.8 REV 5.4	SELENIUM	OR
EPA 200.8 REV 5.4	THALLIUM	OR
EPA 200.8 REV 5.4	ZINC	OR
EPA 200.8 REV 5.4 - EXTENDED	CALCIUM	OR
EPA 200.8 REV 5.4 - EXTENDED	MAGNESIUM	OR
EPA 200.8 REV 5.4 - EXTENDED	SODIUM	OR
EPA 200.8 REV 5.4 - EXTENDED	TITANIUM	OR
EPA 300.0 REV 2.1	BROMIDE	OR
EPA 300.0 REV 2.1	FLUORIDE	OR
EPA 300.0 REV 2.1	NITRATE-NITRITE AS N	OR
EPA 1633	PERFLUOROPENTANOIC ACID (PFPEA)	OR
EPA 1633	PERFLUOROTRIDECANOIC ACID (PFTRDA)	OR
EPA 1664 B	OIL AND GREASE (AS N-HEXANE EXTRACTABLE MATERIAL (HEM))	OR
EPA 180.1 REV 2 (AS HACH 8195)	TURBIDITY	OR
EPA 200.7 REV 4.4	ANTIMONY	OR
EPA 200.7 REV 4.4	BARIUM	OR
EPA 200.7 REV 4.4	BORON	OR
EPA 200.7 REV 4.4	CALCIUM	OR
EPA 200.7 REV 4.4	COBALT	OR
EPA 200.7 REV 4.4	IRON	OR
EPA 200.7 REV 4.4	MAGNESIUM	OR
EPA 200.7 REV 4.4	MOLYBDENUM	OR
EPA 200.7 REV 4.4	POTASSIUM	OR
EPA 200.7 REV 4.4	SILICA AS SIO2	OR
EPA 200.7 REV 4.4	SODIUM	OR
EPA 200.7 REV 4.4	TIN	OR
EPA 200.7 REV 4.4	VANADIUM	OR
EPA 200.8 REV 5.4	ALUMINUM	OR
EPA 200.8 REV 5.4	ARSENIC	OR
EPA 200.8 REV 5.4	BERYLLIUM	OR
EPA 200.8 REV 5.4	CHROMIUM	OR
EPA 200.8 REV 5.4	COPPER	OR
EPA 200.8 REV 5.4	MANGANESE	OR
EPA 200.8 REV 5.4	NICKEL	OR
EPA 200.8 REV 5.4	SILVER	OR
EPA 200.8 REV 5.4	VANADIUM	OR
EPA 200.8 REV 5.4 - EXTENDED	BORON	OR
EPA 200.8 REV 5.4 - EXTENDED	IRON	OR
EPA 200.8 REV 5.4 - EXTENDED	POTASSIUM	OR
EPA 200.8 REV 5.4 - EXTENDED	TIN	OR
EPA 245.1 REV 3	MERCURY	OR
EPA 300.0 REV 2.1	CHLORIDE	OR
EPA 300.0 REV 2.1	NITRATE AS N	OR
EPA 300.0 REV 2.1	NITRITE AS N	OR

COPY

Scope of Accreditation

VELAP Certificate No.: 13089

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: August 08, 2024
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 300.0 REV 2.1	SULFATE	OR
EPA 3010 A	PREP: ACID DIGESTION OF AQUEOUS SAMPLES AND EXTRACTS FOR TOTAL METALS	OR
EPA 351.2 REV 2	KJELDAHL NITROGEN - TOTAL (TKN)	OR
EPA 3511	PREP: ORGANIC EXTRACTION AND SAMPLE PREPARATION	OR
EPA 3620 C	PREP: FLORISIL CLEANUP	OR
EPA 365.3	ORTHOPHOSPHATE AS P	OR
EPA 3650 B	PREP: ACID BASE PARTITION CLEANUP	OR
EPA 3665 A	SULFURIC ACID/PERMANGANATE CLEAN-UP	OR
EPA 420.4 REV 1	TOTAL PHENOLICS	OR
EPA 6010 D	ALUMINUM	OR
EPA 6010 D	ARSENIC	OR
EPA 6010 D	BERYLLIUM	OR
EPA 6010 D	CADMIUM	OR
EPA 6010 D	CHROMIUM	OR
EPA 6010 D	COPPER	OR
EPA 6010 D	LEAD	OR
EPA 6010 D	MAGNESIUM	OR
EPA 6010 D	MOLYBDENUM	OR
EPA 6010 D	POTASSIUM	OR
EPA 6010 D	SILICA AS SIO2	OR
EPA 6010 D	SODIUM	OR
EPA 6010 D	THALLIUM	OR
EPA 6010 D	TITANIUM	OR
EPA 6010 D	ZINC	OR
EPA 6020 B	ALUMINUM	OR
EPA 6020 B	ARSENIC	OR
EPA 6020 B	BERYLLIUM	OR
EPA 6020 B	CALCIUM	OR
EPA 6020 B	COBALT	OR
EPA 6020 B	IRON	OR
EPA 6020 B	MAGNESIUM	OR
EPA 6020 B	MOLYBDENUM	OR
EPA 6020 B	POTASSIUM	OR
EPA 6020 B	SILVER	OR
EPA 3005 A	PREP: ACID DIGESTION OF WATERS FOR TOTAL RECOVERABLE OR DISSOLVED METALS	OR
EPA 350.1 REV 2	AMMONIA AS N	OR
EPA 3510 C	PREP: LIQUID-LIQUID EXTRACTION	OR
EPA 353.2 REV 2	NITRATE-NITRITE AS N	OR
EPA 3630 C	PREP: SILICA GEL CLEANUP	OR
EPA 365.3	PHOSPHORUS, TOTAL	OR
EPA 3660 B	PREP: SULFUR CLEANUP	OR
EPA 410.4 REV 2	CHEMICAL OXYGEN DEMAND (COD)	OR
EPA 5030 C	PREP: PURGE AND TRAP FOR AQUEOUS SAMPLES	OR
EPA 6010 D	ANTIMONY	OR
EPA 6010 D	BARIUM	OR
EPA 6010 D	BORON	OR
EPA 6010 D	CALCIUM	OR
EPA 6010 D	COBALT	OR
EPA 6010 D	IRON	OR
EPA 6010 D	LITHIUM	OR
EPA 6010 D	MANGANESE	OR
EPA 6010 D	NICKEL	OR
EPA 6010 D	SELENIUM	OR
EPA 6010 D	SILVER	OR
EPA 6010 D	STRONTIUM	OR
EPA 6010 D	TIN	OR
EPA 6010 D	VANADIUM	OR
EPA 6010 D - EXTENDED	SILICON	OR
EPA 6020 B	ANTIMONY	OR
EPA 6020 B	BARIUM	OR
EPA 6020 B	CADMIUM	OR
EPA 6020 B	CHROMIUM	OR
EPA 6020 B	COPPER	OR
EPA 6020 B	LEAD	OR
EPA 6020 B	MANGANESE	OR
EPA 6020 B	NICKEL	OR
EPA 6020 B	SELENIUM	OR

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

COPY

Scope of Accreditation

VELAP Certificate No.: 13089

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: August 08, 2024
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 6020 B	SODIUM	OR
EPA 6020 B	TIN	OR
EPA 6020 B	ZINC	OR
EPA 6020 B - EXTENDED	LITHIUM	OR
EPA 6020 B - EXTENDED	TITANIUM	OR
EPA 608.3	4,4'-DDE	OR
EPA 608.3	ALDRIN	OR
EPA 608.3	ALPHA-CHLORDANE (CIS-CHLORDANE)	OR
EPA 608.3	AROCLOR-1221 (PCB-1221)	OR
EPA 608.3	AROCLOR-1242 (PCB-1242)	OR
EPA 608.3	AROCLOR-1254 (PCB-1254)	OR
EPA 608.3	BETA-BHC (BETA-HEXACHLOROCYCLOHEXANE)	OR
EPA 608.3	DELTA-BHC	OR
EPA 608.3	ENDOSULFAN I	OR
EPA 608.3	ENDOSULFAN SULFATE	OR
EPA 608.3	ENDRIN ALDEHYDE	OR
EPA 608.3	GAMMA-BHC (LINDANE, GAMMA-HEXACHLOROCYCLOHEXANE)	OR
EPA 608.3	HEPTACHLOR	OR
EPA 608.3	METHOXYCHLOR	OR
EPA 608.3	TOXAPHENE (CHLORINATED CAMPHENE)	OR
EPA 624.1	1,1,1-TRICHLOROETHANE	OR
EPA 624.1	1,1,2-TRICHLORO-1,2,2-TRIFLUORO ETHANE (FREON 113)	OR
EPA 624.1	1,1-DICHLOROETHANE	OR
EPA 624.1	1,1-DICHLOROPROPENE	OR
EPA 624.1	1,2,3-TRICHLOROPROPANE	OR
EPA 624.1	1,2,4-TRIMETHYLBENZENE	OR
EPA 624.1	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	OR
EPA 624.1	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	OR
EPA 624.1	1,3,5-TRIMETHYLBENZENE	OR
EPA 624.1	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	OR
EPA 624.1	1,3-DICHLOROPROPENE	OR
EPA 6020 B	THALLIUM	OR
EPA 6020 B	VANADIUM	OR
EPA 6020 B - EXTENDED	BORON	OR
EPA 6020 B - EXTENDED	STRONTIUM	OR
EPA 608.3	4,4'-DDD	OR
EPA 608.3	4,4'-DDT	OR
EPA 608.3	ALPHA-BHC (ALPHA-HEXACHLOROCYCLOHEXANE)	OR
EPA 608.3	AROCLOR-1016 (PCB-1016)	OR
EPA 608.3	AROCLOR-1232 (PCB-1232)	OR
EPA 608.3	AROCLOR-1248 (PCB-1248)	OR
EPA 608.3	AROCLOR-1260 (PCB-1260)	OR
EPA 608.3	CHLORDANE, TOTAL	OR
EPA 608.3	DIELDRIN	OR
EPA 608.3	ENDOSULFAN II	OR
EPA 608.3	ENDRIN	OR
EPA 608.3	ENDRIN KETONE	OR
EPA 608.3	GAMMA-CHLORDANE (TRANS-CHLORDANE)	OR
EPA 608.3	HEPTACHLOR EPOXIDE	OR
EPA 608.3	MIREX	OR
EPA 624.1	1,1,1,2-TETRACHLOROETHANE	OR
EPA 624.1	1,1,2,2-TETRACHLOROETHANE	OR
EPA 624.1	1,1,2-TRICHLOROETHANE	OR
EPA 624.1	1,1-DICHLOROETHYLENE	OR
EPA 624.1	1,2,3-TRICHLOROBENZENE	OR
EPA 624.1	1,2,3-TRIMETHYLBENZENE	OR
EPA 624.1	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	OR
EPA 624.1	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	OR
EPA 624.1	1,2-DICHLOROPROPANE	OR
EPA 624.1	1,3-BUTADIENE	OR
EPA 624.1	1,3-DICHLOROPROPANE	OR
EPA 624.1	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	OR

COPY

Scope of Accreditation

VELAP Certificate No.: 13089

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: August 08, 2024
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 624.1	1-BUTANOL (N-BUTANOL, N-BUTYL ALCOHOL)	OR
EPA 624.1	2-BUTANONE (METHYL ETHYL KETONE, MEK)	OR
EPA 624.1	2-CHLOROTOLUENE	OR
EPA 624.1	2-NITROPROPANE	OR
EPA 624.1	4-ISOPROPYLTOLUENE (P-CYMENE, P-ISOPROPYLTOLUENE)	OR
EPA 624.1	ACETONE	OR
EPA 624.1	ACROLEIN (PROPENAL)	OR
EPA 624.1	ALLYL CHLORIDE (3-CHLOROPROPENE)	OR
EPA 624.1	BENZYL CHLORIDE	OR
EPA 624.1	BROMOCHLOROMETHANE	OR
EPA 624.1	BROMOFORM	OR
EPA 624.1	CARBON TETRACHLORIDE	OR
EPA 624.1	CHLORODIBROMOMETHANE	OR
EPA 624.1	CHLOROFORM	OR
EPA 624.1	CIS-1,2-DICHLOROETHYLENE	OR
EPA 624.1	CYCLOHEXANE	OR
EPA 624.1	DIISOPROPYLETHER (DIPE, ISOPROPYL ETHER)	OR
EPA 624.1	DICHLORODIFLUOROMETHANE (FREON-12)	OR
EPA 624.1	ETHYL ACETATE	OR
EPA 624.1	ETHYL-T-BUTYLETHER (2-ETHOXY-2-METHYLPROPANE, ETBE)	OR
EPA 624.1	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	OR
EPA 624.1	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	OR
EPA 624.1	M+P-XYLENE	OR
EPA 624.1	METHYL ACETATE	OR
EPA 624.1	METHYL CHLORIDE (CHLOROMETHANE)	OR
EPA 624.1	METHYL TERT-BUTYL ETHER (MTBE)	OR
EPA 624.1	METHYLENE CHLORIDE (DICHLOROMETHANE)	OR
EPA 624.1	N-PROPYLBENZENE	OR
EPA 624.1	O-XYLENE	OR
EPA 624.1	SEC-BUTYLBENZENE	OR
EPA 624.1	2,2-DICHLOROPROPANE	OR
EPA 624.1	2-CHLOROETHYL VINYL ETHER	OR
EPA 624.1	2-HEXANONE	OR
EPA 624.1	4-CHLOROTOLUENE	OR
EPA 624.1	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	OR
EPA 624.1	ACETONITRILE	OR
EPA 624.1	ACRYLONITRILE	OR
EPA 624.1	BENZENE	OR
EPA 624.1	BROMOBENZENE	OR
EPA 624.1	BROMODICHLOROMETHANE	OR
EPA 624.1	CARBON DISULFIDE	OR
EPA 624.1	CHLOROBENZENE	OR
EPA 624.1	CHLOROETHANE (ETHYL CHLORIDE)	OR
EPA 624.1	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	OR
EPA 624.1	CIS-1,3-DICHLOROPROPENE	OR
EPA 624.1	CYCLOHEXANONE	OR
EPA 624.1	DIBROMOMETHANE (METHYLENE BROMIDE)	OR
EPA 624.1	DIETHYL ETHER	OR
EPA 624.1	ETHYL METHACRYLATE	OR
EPA 624.1	ETHYLBENZENE	OR
EPA 624.1	IODOMETHANE (METHYL IODIDE)	OR
EPA 624.1	ISOPROPYLBENZENE	OR
EPA 624.1	METHACRYLONITRILE	OR
EPA 624.1	METHYL BROMIDE (BROMOMETHANE)	OR
EPA 624.1	METHYL METHACRYLATE	OR
EPA 624.1	METHYLCYCLOHEXANE	OR
EPA 624.1	N-BUTYLBENZENE	OR
EPA 624.1	NAPHTHALENE	OR
EPA 624.1	PROPIONITRILE (ETHYL CYANIDE)	OR
EPA 624.1	STYRENE	OR

COPY

Scope of Accreditation

VELAP Certificate No.: 13089

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: August 08, 2024
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 624.1	TERT-AMYL METHYL ETHER (TAME)	OR
EPA 624.1	TERT-BUTYLBENZENE	OR
EPA 624.1	TETRAHYDROFURAN (THF)	OR
EPA 624.1	TRANS-1,2-DICHLOROETHENE	OR
EPA 624.1	TRANS-1,4-DICHLORO-2-BUTENE	OR
EPA 624.1	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	OR
EPA 624.1	VINYL CHLORIDE (CHLOROETHENE)	OR
EPA 624.1 EXTENDED	1,2,4-TRICHLOROBENZENE	OR
EPA 625.1	1,1'-BIPHENYL (BZ-0)	OR
EPA 625.1	1,2,4-TRICHLOROBENZENE	OR
EPA 625.1	2,2'-OXYBIS(1-CHLOROPROPANE)	OR
EPA 625.1	2,4,5-TRICHLOROPHENOL	OR
EPA 625.1	2,4-DICHLOROPHENOL	OR
EPA 625.1	2,4-DINITROPHENOL	OR
EPA 625.1	2,6-DICHLOROPHENOL	OR
EPA 625.1	2-CHLORONAPHTHALENE	OR
EPA 625.1	2-METHYL-4,6-DINITROPHENOL (4,6-DINITRO-2-METHYLPHENOL)	OR
EPA 625.1	2-METHYLPHENOL (O-CRESOL)	OR
EPA 625.1	2-NITROANILINE	OR
EPA 625.1	3+4-METHYLPHENOL (M+P CRESOL)	OR
EPA 625.1	3-NITROANILINE	OR
EPA 625.1	4-CHLORO-3-METHYLPHENOL	OR
EPA 625.1	4-CHLOROPHENYL PHENYLETHER	OR
EPA 625.1	4-NITROANILINE	OR
EPA 625.1	ACENAPHTHENE	OR
EPA 625.1	ACETOPHENONE	OR
EPA 625.1	ANTHRACENE	OR
EPA 625.1	BENZIDINE	OR
EPA 625.1	BENZO(A)PYRENE	OR
EPA 625.1	BENZO(G,H,I)PERYLENE	OR
EPA 625.1	BENZOIC ACID	OR
EPA 625.1	BIS(2-CHLOROETHOXY)METHANE	OR
EPA 625.1	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	OR
EPA 624.1	TERT-BUTYL ALCOHOL (2-METHYL-2-PROPANOL)	OR
EPA 624.1	TETRACHLOROETHENE (PERCHLOROETHENE)	OR
EPA 624.1	TOLUENE	OR
EPA 624.1	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	OR
EPA 624.1	TRICHLOROETHENE (TRICHLOROETHYLENE)	OR
EPA 624.1	VINYL ACETATE	OR
EPA 624.1	XYLENE (TOTAL)	OR
EPA 624.1 EXTENDED	N-HEXANE	OR
EPA 625.1	1,2,4,5-TETRACHLOROBENZENE	OR
EPA 625.1	1,2-DIPHENYLHYDRAZINE	OR
EPA 625.1	2,3,4,6-TETRACHLOROPHENOL	OR
EPA 625.1	2,4,6-TRICHLOROPHENOL	OR
EPA 625.1	2,4-DIMETHYLPHENOL	OR
EPA 625.1	2,4-DINITROTOLUENE (2,4-DNT)	OR
EPA 625.1	2,6-DINITROTOLUENE (2,6-DNT)	OR
EPA 625.1	2-CHLOROPHENOL	OR
EPA 625.1	2-METHYLNAPHTHALENE	OR
EPA 625.1	2-NAPHTHYLAMINE	OR
EPA 625.1	2-NITROPHENOL	OR
EPA 625.1	3,3'-DICHLOROBENZIDINE	OR
EPA 625.1	4-BROMOPHENYL PHENYL ETHER (BDE-3)	OR
EPA 625.1	4-CHLOROANILINE	OR
EPA 625.1	4-DIMETHYL AMINOAZOBENZENE	OR
EPA 625.1	4-NITROPHENOL	OR
EPA 625.1	ACENAPHTHYLENE	OR
EPA 625.1	ANILINE	OR
EPA 625.1	ATRAZINE	OR
EPA 625.1	BENZO(A)ANTHRACENE	OR
EPA 625.1	BENZO(B)FLUORANTHENE	OR
EPA 625.1	BENZO(K)FLUORANTHENE	OR
EPA 625.1	BENZYL ALCOHOL	OR
EPA 625.1	BIS(2-CHLOROETHYL) ETHER	OR

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

COPY

Scope of Accreditation

VELAP Certificate No.: 13089

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: August 08, 2024
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 625.1	BUTYL BENZYL PHTHALATE	OR
EPA 625.1	CHRYSENE	OR
EPA 625.1	DI-N-OCTYL PHTHALATE	OR
EPA 625.1	DIBENZOFURAN	OR
EPA 625.1	DIMETHOATE	OR
EPA 625.1	DIPHENYLAMINE	OR
EPA 625.1	FLUORENE	OR
EPA 625.1	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	OR
EPA 625.1	HEXACHLOROETHANE	OR
EPA 625.1	ISOPHORONE	OR
EPA 625.1	N-NITROSODI-N-PROPYLAMINE	OR
EPA 625.1	N-NITROSODIMETHYLAMINE	OR
EPA 625.1	N-NITROSOPYRROLIDINE	OR
EPA 625.1	NITROBENZENE	OR
EPA 625.1	PENTACHLOROPHENOL	OR
EPA 625.1	PHENOL	OR
EPA 625.1	PYRIDINE	OR
EPA 7196 A	CHROMIUM VI	OR
EPA 8011	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	OR
EPA 8015 C	DIESEL RANGE ORGANICS (DRO)	OR
EPA 8015 D	DIESEL RANGE ORGANICS (DRO)	OR
EPA 8081 B	4,4'-DDD	OR
EPA 8081 B	4,4'-DDT	OR
EPA 8081 B	ALPHA-BHC (ALPHA-HEXACHLOROCYCLOHEXANE)	OR
EPA 8081 B	BETA-BHC (BETA-HEXACHLOROCYCLOHEXANE)	OR
EPA 8081 B	DELTA-BHC	OR
EPA 8081 B	ENDOSULFAN I	OR
EPA 8081 B	ENDOSULFAN SULFATE	OR
EPA 8081 B	ENDRIN ALDEHYDE	OR
EPA 8081 B	GAMMA-BHC (LINDANE, GAMMA-HEXACHLOROCYCLOHEXANE)	OR
EPA 8081 B	HEPTACHLOR	OR
EPA 8081 B	HEXACHLOROBENZENE	OR
EPA 8081 B	METHOXYCHLOR	OR

METHOD	ANALYTE	PRIMARY
EPA 625.1	CARBAZOLE	OR
EPA 625.1	DI-N-BUTYL PHTHALATE	OR
EPA 625.1	DIBENZO(A,H) ANTHRACENE	OR
EPA 625.1	DIETHYL PHTHALATE	OR
EPA 625.1	DIMETHYL PHTHALATE	OR
EPA 625.1	FLUORANTHENE	OR
EPA 625.1	HEXACHLOROBENZENE	OR
EPA 625.1	HEXACHLOROCYCLOPENTADIENE	OR
EPA 625.1	INDENO(1,2,3-CD) PYRENE	OR
EPA 625.1	N-NITROSO-DI-N-BUTYLAMINE	OR
EPA 625.1	N-NITROSODIETHYLAMINE	OR
EPA 625.1	N-NITROSODIPHENYLAMINE	OR
EPA 625.1	NAPHTHALENE	OR
EPA 625.1	PENTACHLORONITROBENZENE	OR
EPA 625.1	PHENANTHRENE	OR
EPA 625.1	PYRENE	OR
EPA 625.1 EXTENDED	4-NITROQUINOLINE-1-OXIDE	OR
EPA 7470 A	MERCURY	OR
EPA 8011	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	OR
EPA 8015 C	GASOLINE RANGE ORGANICS (GRO)	OR
EPA 8015 D	GASOLINE RANGE ORGANICS (GRO)	OR
EPA 8081 B	4,4'-DDE	OR
EPA 8081 B	ALDRIN	OR
EPA 8081 B	ALPHA-CHLORDANE (CIS-CHLORDANE)	OR
EPA 8081 B	CHLORDANE, TOTAL	OR
EPA 8081 B	DIELDRIN	OR
EPA 8081 B	ENDOSULFAN II	OR
EPA 8081 B	ENDRIN	OR
EPA 8081 B	ENDRIN KETONE	OR
EPA 8081 B	GAMMA-CHLORDANE (TRANS-CHLORDANE)	OR
EPA 8081 B	HEPTACHLOR EPOXIDE	OR
EPA 8081 B	ISODRIN	OR
EPA 8081 B	TOXAPHENE (CHLORINATED CAMPHENE)	OR

COPY

Scope of Accreditation

VELAP Certificate No.: 13089

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: August 08, 2024
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8081 B - EXTENDED	KEPONE	OR
EPA 8082 A	AROCLOR-1016 (PCB-1016)	OR
EPA 8082 A	AROCLOR-1232 (PCB-1232)	OR
EPA 8082 A	AROCLOR-1248 (PCB-1248)	OR
EPA 8082 A	AROCLOR-1260 (PCB-1260)	OR
EPA 8082 A - EXTENDED	AROCLOR-1268 (PCB-1268)	OR
EPA 8260 D	1,1,1-TRICHLOROETHANE	OR
EPA 8260 D	1,1,2-TRICHLORO-1,2,2-TRIFLUORO ETHANE (FREON 113)	OR
EPA 8260 D	1,1-DICHLOROETHANE	OR
EPA 8260 D	1,1-DICHLOROPROPENE	OR
EPA 8260 D	1,2,3-TRICHLOROPROPANE	OR
EPA 8260 D	1,2,4-TRICHLOROBENZENE	OR
EPA 8260 D	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	OR
EPA 8260 D	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	OR
EPA 8260 D	1,2-DICHLOROPROPANE	OR
EPA 8260 D	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	OR
EPA 8260 D	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	OR
EPA 8260 D	1-BUTANOL (N-BUTANOL, N-BUTYL ALCOHOL)	OR
EPA 8260 D	2,2-DICHLOROPROPANE	OR
EPA 8260 D	2-CHLOROETHYL VINYL ETHER	OR
EPA 8260 D	2-HEXANONE	OR
EPA 8260 D	4-CHLOROTOLUENE	OR
EPA 8260 D	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	OR
EPA 8260 D	ACETONITRILE	OR
EPA 8260 D	ACRYLONITRILE	OR
EPA 8260 D	BENZENE	OR
EPA 8260 D	BROMOBENZENE	OR
EPA 8260 D	BROMODICHLOROMETHANE	OR
EPA 8260 D	CARBON DISULFIDE	OR
EPA 8260 D	CHLOROBENZENE	OR
EPA 8260 D	CHLOROETHANE (ETHYL CHLORIDE)	OR
EPA 8260 D	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	OR

METHOD	ANALYTE	PRIMARY
EPA 8081 B - EXTENDED	MIREX	OR
EPA 8082 A	AROCLOR-1221 (PCB-1221)	OR
EPA 8082 A	AROCLOR-1242 (PCB-1242)	OR
EPA 8082 A	AROCLOR-1254 (PCB-1254)	OR
EPA 8082 A - EXTENDED	AROCLOR-1262 (PCB-1262)	OR
EPA 8260 D	1,1,1,2-TETRACHLOROETHANE	OR
EPA 8260 D	1,1,2,2-TETRACHLOROETHANE	OR
EPA 8260 D	1,1,2-TRICHLOROETHANE	OR
EPA 8260 D	1,1-DICHLOROETHYLENE	OR
EPA 8260 D	1,2,3-TRICHLOROBENZENE	OR
EPA 8260 D	1,2,3-TRIMETHYLBENZENE	OR
EPA 8260 D	1,2,4-TRIMETHYLBENZENE	OR
EPA 8260 D	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	OR
EPA 8260 D	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	OR
EPA 8260 D	1,3,5-TRIMETHYLBENZENE	OR
EPA 8260 D	1,3-DICHLOROPROPANE	OR
EPA 8260 D	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	OR
EPA 8260 D	1-CHLOROHEXANE	OR
EPA 8260 D	2-BUTANONE (METHYL ETHYL KETONE, MEK)	OR
EPA 8260 D	2-CHLOROTOLUENE	OR
EPA 8260 D	2-NITROPROPANE	OR
EPA 8260 D	4-ISOPROPYLTOLUENE (P-CYMENE, P-ISOPROPYLTOLUENE)	OR
EPA 8260 D	ACETONE	OR
EPA 8260 D	ACROLEIN (PROPENAL)	OR
EPA 8260 D	ALLYL CHLORIDE (3-CHLOROPROPENE)	OR
EPA 8260 D	BENZYL CHLORIDE	OR
EPA 8260 D	BROMOCHLOROMETHANE	OR
EPA 8260 D	BROMOFORM	OR
EPA 8260 D	CARBON TETRACHLORIDE	OR
EPA 8260 D	CHLORODIBROMOMETHANE	OR
EPA 8260 D	CHLOROFORM	OR
EPA 8260 D	CIS-1,2-DICHLOROETHYLENE	OR

COPY

Scope of Accreditation

VELAP Certificate No.: 13089

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: August 08, 2024
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8260 D	CIS-1,3-DICHLOROPROPENE	OR
EPA 8260 D	DI-ISOPROPYLETHER (DIPE, ISOPROPYL ETHER)	OR
EPA 8260 D	DICHLORODIFLUOROMETHANE (FREON-12)	OR
EPA 8260 D	ETHYL ACETATE	OR
EPA 8260 D	ETHYL-T-BUTYLETHER (2-ETHOXY-2-METHYLPROPANE, ETBE)	OR
EPA 8260 D	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	OR
EPA 8260 D	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	OR
EPA 8260 D	M+P-XYLENE	OR
EPA 8260 D	METHYL ACETATE	OR
EPA 8260 D	METHYL CHLORIDE (CHLOROMETHANE)	OR
EPA 8260 D	METHYL TERT-BUTYL ETHER (MTBE)	OR
EPA 8260 D	METHYLENE CHLORIDE (DICHLOROMETHANE)	OR
EPA 8260 D	N-PROPYLBENZENE	OR
EPA 8260 D	O-XYLENE	OR
EPA 8260 D	SEC-BUTYLBENZENE	OR
EPA 8260 D	TERT-AMYL METHYL ETHER (TAME)	OR
EPA 8260 D	TERT-BUTYLBENZENE	OR
EPA 8260 D	TOLUENE	OR
EPA 8260 D	TRANS-1,2-DICHLOROETHENE	OR
EPA 8260 D	TRANS-1,4-DICHLORO-2-BUTENE	OR
EPA 8260 D	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	OR
EPA 8260 D	VINYL CHLORIDE (CHLOROETHENE)	OR
EPA 8260 D - EXTENDED	1,3,5-TRICHLOROBENZENE	OR
EPA 8260 D - EXTENDED	2-METHYLNAPHTHALENE	OR
EPA 8260 D - EXTENDED	CYCLOHEXANONE	OR
EPA 8260 D - EXTENDED	N-BUTYL-ACETATE	OR
EPA 8260 D - EXTENDED	N-HEXANE	OR
EPA 8270 E	1,1'-BIPHENYL (BZ-0)	OR
EPA 8260 D	CYCLOHEXANE	OR
EPA 8260 D	DIBROMOMETHANE (METHYLENE BROMIDE)	OR
EPA 8260 D	DIETHYL ETHER	OR
EPA 8260 D	ETHYL METHACRYLATE	OR
EPA 8260 D	ETHYLBENZENE	OR
EPA 8260 D	IODOMETHANE (METHYL IODIDE)	OR
EPA 8260 D	ISOPROPYLBENZENE	OR
EPA 8260 D	METHACRYLONITRILE	OR
EPA 8260 D	METHYL BROMIDE (BROMOMETHANE)	OR
EPA 8260 D	METHYL METHACRYLATE	OR
EPA 8260 D	METHYLCYCLOHEXANE	OR
EPA 8260 D	N-BUTYLBENZENE	OR
EPA 8260 D	NAPHTHALENE	OR
EPA 8260 D	PROPIONITRILE (ETHYL CYANIDE)	OR
EPA 8260 D	STYRENE	OR
EPA 8260 D	TERT-BUTYL ALCOHOL (2-METHYL-2-PROPANOL)	OR
EPA 8260 D	TETRACHLOROETHENE (PERCHLOROETHENE)	OR
EPA 8260 D	TOTAL TRIHALOMETHANES (TTHMS)	OR
EPA 8260 D	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	OR
EPA 8260 D	TRICHLOROETHENE (TRICHLOROETHYLENE)	OR
EPA 8260 D	VINYL ACETATE	OR
EPA 8260 D	XYLENE (TOTAL)	OR
EPA 8260 D - EXTENDED	1,3-BUTADIENE	OR
EPA 8260 D - EXTENDED	CIS & TRANS-1,2-DICHLOROETHENE	OR
EPA 8260 D - EXTENDED	DICHLOROFLUOROMETHANE (FREON 21)	OR
EPA 8260 D - EXTENDED	N-HEPTANE	OR
EPA 8260 D - EXTENDED	TETRAHYDROFURAN (THF)	OR
EPA 8270 E	1,2,4,5-TETRACHLOROBENZENE	OR

COPY

Scope of Accreditation

VELAP Certificate No.: 13089

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: August 08, 2024
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8270 E	1,2,4-TRICHLOROBENZENE	OR
EPA 8270 E	1,2-DIPHENYLHYDRAZINE	OR
EPA 8270 E	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	OR
EPA 8270 E	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	OR
EPA 8270 E	1,4-NAPHTHOQUINONE	OR
EPA 8270 E	1-METHYLNAPHTHALENE	OR
EPA 8270 E	2,3,4,6-TETRACHLOROPHENOL	OR
EPA 8270 E	2,4,6-TRICHLOROPHENOL	OR
EPA 8270 E	2,4-DIMETHYLPHENOL	OR
EPA 8270 E	2,4-DINITROTOLUENE (2,4-DNT)	OR
EPA 8270 E	2,6-DINITROTOLUENE (2,6-DNT)	OR
EPA 8270 E	2-CHLORONAPHTHALENE	OR
EPA 8270 E	2-METHYL-4,6-DINITROPHENOL (4,6-DINITRO-2-METHYLPHENOL)	OR
EPA 8270 E	2-METHYLPHENOL (O-CRESOL)	OR
EPA 8270 E	2-NITROANILINE	OR
EPA 8270 E	2-PICOLINE (2-METHYLPYRIDINE)	OR
EPA 8270 E	3,3'-DICHLOROBENZIDINE	OR
EPA 8270 E	3-METHYLCHOLANTHRENE	OR
EPA 8270 E	3-NITROANILINE	OR
EPA 8270 E	4-BROMOPHENYL PHENYL ETHER (BDE-3)	OR
EPA 8270 E	4-CHLOROANILINE	OR
EPA 8270 E	4-METHYLPHENOL (P-CRESOL)	OR
EPA 8270 E	4-NITROPHENOL	OR
EPA 8270 E	5-NITRO-O-TOLUIDINE	OR
EPA 8270 E	A-A-DIMETHYLPHENETHYLAMINE	OR
EPA 8270 E	ACENAPHTHYLENE	OR
EPA 8270 E	ANILINE	OR
EPA 8270 E	ARAMITE	OR
EPA 8270 E	BENZALDEHYDE	OR
EPA 8270 E	BENZO(A)ANTHRACENE	OR
EPA 8270 E	BENZO(B)FLUORANTHENE	OR
EPA 8270 E	BENZO(K)FLUORANTHENE	OR
EPA 8270 E	BENZYL ALCOHOL	OR
EPA 8270 E	BIS(2-CHLOROETHYL) ETHER	OR
EPA 8270 E	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	OR
EPA 8270 E	1,3,5-TRINITROBENZENE (1,3,5-TNB)	OR
EPA 8270 E	1,3-DINITROBENZENE (1,3-DNB)	OR
EPA 8270 E	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	OR
EPA 8270 E	1,4-PHENYLENEDIAMINE	OR
EPA 8270 E	1-NAPHTHYLAMINE	OR
EPA 8270 E	2,4,5-TRICHLOROPHENOL	OR
EPA 8270 E	2,4-DICHLOROPHENOL	OR
EPA 8270 E	2,4-DINITROPHENOL	OR
EPA 8270 E	2,6-DICHLOROPHENOL	OR
EPA 8270 E	2-ACETYLAMINOFLUORENE	OR
EPA 8270 E	2-CHLOROPHENOL	OR
EPA 8270 E	2-METHYLNAPHTHALENE	OR
EPA 8270 E	2-NAPHTHYLAMINE	OR
EPA 8270 E	2-NITROPHENOL	OR
EPA 8270 E	3+4-METHYLPHENOL (M+P CRESOL)	OR
EPA 8270 E	3,3'-DIMETHYLBENZIDINE	OR
EPA 8270 E	3-METHYLPHENOL (M-CRESOL)	OR
EPA 8270 E	4-AMINOBIPHENYL	OR
EPA 8270 E	4-CHLORO-3-METHYLPHENOL	OR
EPA 8270 E	4-CHLOROPHENYL PHENYLETHER	OR
EPA 8270 E	4-NITROANILINE	OR
EPA 8270 E	4-NITROQUINOLINE-1-OXIDE	OR
EPA 8270 E	7,12-DIMETHYLBENZ(A) ANTHRACENE	OR
EPA 8270 E	ACENAPHTHENE	OR
EPA 8270 E	ACETOPHENONE	OR
EPA 8270 E	ANTHRACENE	OR
EPA 8270 E	ATRAZINE	OR
EPA 8270 E	BENZIDINE	OR
EPA 8270 E	BENZO(A)PYRENE	OR
EPA 8270 E	BENZO(G,H,I)PERYLENE	OR
EPA 8270 E	BENZOIC ACID	OR
EPA 8270 E	BIS(2-CHLOROETHOXY)METHANE	OR
EPA 8270 E	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	OR

COPY

Scope of Accreditation

VELAP Certificate No.: 13089

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: August 08, 2024
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8270 E	BUTYL BENZYL PHTHALATE	OR
EPA 8270 E	CARBAZOLE	OR
EPA 8270 E	CHRYSENE	OR
EPA 8270 E	DI-N-OCTYL PHTHALATE	OR
EPA 8270 E	DIBENZO(A,H) ANTHRACENE	OR
EPA 8270 E	DIETHYL PHTHALATE	OR
EPA 8270 E	DIMETHYL PHTHALATE	OR
EPA 8270 E	DIPHENYLAMINE	OR
EPA 8270 E	ETHYL METHANESULFONATE	OR
EPA 8270 E	FLUORANTHENE	OR
EPA 8270 E	HEXACHLOROBENZENE	OR
EPA 8270 E	HEXACHLOROCYCLOPENTADIENE	OR
EPA 8270 E	HEXACHLOROPROPENE	OR
EPA 8270 E	ISODRIN	OR
EPA 8270 E	ISOSAFROLE	OR
EPA 8270 E	METHYL METHANESULFONATE	OR
EPA 8270 E	N-NITROSO-DI-N-BUTYLAMINE	OR
EPA 8270 E	N-NITROSODIETHYLAMINE	OR
EPA 8270 E	N-NITROSODIPHENYLAMINE	OR
EPA 8270 E	N-NITROSOMORPHOLINE	OR
EPA 8270 E	N-NITROSOPYRROLIDINE	OR
EPA 8270 E	NITROBENZENE	OR
EPA 8270 E	O-TOLUIDINE (2-METHYLANILINE)	OR
EPA 8270 E	PENTACHLOROBENZENE	OR
EPA 8270 E	PENTACHLOROPHENOL	OR
EPA 8270 E	PHENANTHRENE	OR
EPA 8270 E	PHORATE	OR
EPA 8270 E	PYRENE	OR
EPA 8270 E	SAFROLE	OR
EPA 8270 E	THIONAZIN (ZINOPHOS, DIETHYL-O-2-PYRAZINYL PHOSPHOROTHIONATE)	OR
EPA 8270 E - EXTENDED	2,2'-OXYBIS(1-CHLOROPROPANE)	OR
EPA 8270 E - EXTENDED	CRESOLS, TOTAL	OR
EPA 8270 E - EXTENDED	N-NITROSODIPHENYLAMINE/DIPHENYLAMINE (ANALYTE PAIR)	OR
EPA 8270 E - EXTENDED	TRIBUTYL PHOSPHATE	OR
EPA 8270 E	CAPROLACTAM	OR
EPA 8270 E	CHLOROBENZILATE	OR
EPA 8270 E	DI-N-BUTYL PHTHALATE	OR
EPA 8270 E	DIALLATE	OR
EPA 8270 E	DIBENZOFURAN	OR
EPA 8270 E	DIMETHOATE	OR
EPA 8270 E	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	OR
EPA 8270 E	DISULFOTON	OR
EPA 8270 E	FAMPHUR	OR
EPA 8270 E	FLUORENE	OR
EPA 8270 E	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	OR
EPA 8270 E	HEXACHLOROETHANE	OR
EPA 8270 E	INDENO(1,2,3-CD) PYRENE	OR
EPA 8270 E	ISOPHORONE	OR
EPA 8270 E	METHAPYRILENE	OR
EPA 8270 E	METHYL PARATHION (PARATHION, METHYL)	OR
EPA 8270 E	N-NITROSODI-N-PROPYLAMINE	OR
EPA 8270 E	N-NITROSODIMETHYLAMINE	OR
EPA 8270 E	N-NITROSOMETHYLETHYLAMINE	OR
EPA 8270 E	N-NITROSOPIPERIDINE	OR
EPA 8270 E	NAPHTHALENE	OR
EPA 8270 E	O,O,O-TRIETHYL PHOSPHOROTHIOATE	OR
EPA 8270 E	PARATHION (PARATHION - ETHYL)	OR
EPA 8270 E	PENTACHLORONITROBENZENE	OR
EPA 8270 E	PHENACETIN	OR
EPA 8270 E	PHENOL	OR
EPA 8270 E	PRONAMIDE (KERB)	OR
EPA 8270 E	PYRIDINE	OR
EPA 8270 E	SULFOTEP (TETRAETHYL DITHIOPYROPHOSPHATE, TEDP)	OR
EPA 8270 E - EXTENDED	1,2,3,4-TETRACHLOROBENZENE	OR
EPA 8270 E - EXTENDED	4-DIMETHYL AMINOAZOBENZENE	OR
EPA 8270 E - EXTENDED	DIPHENYL ETHER (DIPHENYL OXIDE)	OR
EPA 8270 E - EXTENDED	PENTACHLOROETHANE	OR
EPA 8315 A	FORMALDEHYDE	OR

COPY

Scope of Accreditation

VELAP Certificate No.: 13089

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: August 08, 2024
Expiration Date: September 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 9012 B	CYANIDE, AMENABLE	OR
EPA 9030 B	PREP: SULFIDE	OR
EPA 9040 C	PH	OR
EPA 9056 A	BROMIDE	OR
EPA 9056 A	FLUORIDE	OR
EPA 9056 A	NITRITE AS N	OR
EPA 9056 A - EXTENDED	NITRATE-NITRITE AS N	OR
EPA 9066	TOTAL PHENOLICS	OR
KELADA-01	CYANIDE, AMENABLE	OR
RSK-175	ETHANE	OR
RSK-175	METHANE	OR
SM 2340 B-2011	TOTAL HARDNESS AS CACO3	OR
SM 2540 B-2015	RESIDUE-TOTAL (TS)	OR
SM 2540 D-2015	RESIDUE-NONFILTERABLE (TSS)	OR
SM 3500-CR B-2011	CHROMIUM VI	OR
SM 4500-NH3 H-2011	AMMONIA AS N	OR
SM 4500-P E-2011	ORTHOPHOSPHATE AS P	OR
SM 4500-S^{2-} F-2011	SULFIDE	OR
SM 5210 B-2016	CARBONACEOUS BOD (CBOD)	OR
SM 5310 C-2014	TOTAL ORGANIC CARBON (TOC)	OR

METHOD	ANALYTE	PRIMARY
EPA 9012 B	CYANIDE, TOTAL	OR
EPA 9034	TOTAL SULFIDES	OR
EPA 9050 A	CONDUCTIVITY	OR
EPA 9056 A	CHLORIDE	OR
EPA 9056 A	NITRATE AS N	OR
EPA 9056 A	SULFATE	OR
EPA 9060 A	TOTAL ORGANIC CARBON (TOC)	OR
EPA 9095 B	FREE LIQUID	OR
KELADA-01	CYANIDE, TOTAL	OR
RSK-175	ETHENE (ETHYLENE)	OR
SM 2320 B-2011	ALKALINITY AS CACO3	OR
SM 2510 B-2011	CONDUCTIVITY	OR
SM 2540 C-2015	RESIDUE-FILTERABLE (TDS)	OR
SM 2540 F-2015	RESIDUE-SETTLEABLE	OR
SM 3500-FE B-2011	IRON	OR
SM 4500-P B 5-2011	PREP: TOTAL PHOSPHORUS	OR
SM 4500-P E-2011	PHOSPHORUS, TOTAL	OR
SM 5210 B-2016	BIOCHEMICAL OXYGEN DEMAND (BOD)	OR
SM 5220 D-2011	CHEMICAL OXYGEN DEMAND (COD)	OR
SM 5540 C-2011	SURFACTANTS - MBAS	OR

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
ASTM D3987-06	PREP: SHAKE EXTRACTION OF SOLID WASTE WITH WATER	OR
EPA 1311	PREP: TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)	OR
EPA 1630	METHYL MERCURY	OR
EPA 1633	11-CHLOROEICOSAFLUORO-3-OXA UNDECANE-1-SULFONIC ACID (11CL-PF3OUDS)	OR
EPA 1633	1H, 1H, 2H, 2H-PERFLUOROHEXANE SULFONIC ACID (4:2 FTS)	OR
EPA 1633	2H,2H,3H,3H-PERFLUOROOCTANOIC ACID (5:3 FTCA)	OR
EPA 1633	3-PERFLUOROPROPYL PROPANOIC ACID (3:3 FTCA)	OR
EPA 1633	9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC ACID (9CL-PF3ONS)	OR
EPA 1633	N-ETHYL PERFLUOROOCTANESULFONAMIDE (NETFOSA, ETFOSAM)	OR

METHOD	ANALYTE	PRIMARY
EPA 1010 B	FLASHPOINT	OR
EPA 1312	PREP: SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP)	OR
EPA 1631 E	MERCURY	OR
EPA 1633	1H, 1H, 2H, 2H-PERFLUORODECANE SULFONIC ACID (8:2 FTS)	OR
EPA 1633	1H, 1H, 2H, 2H-PERFLUOROOCTANE SULFONIC ACID (6:2 FTS)	OR
EPA 1633	3-PERFLUOROHEPTYL PROPANOIC ACID (7:3 FTCA)	OR
EPA 1633	4,8-DIOXA-3H-PERFLUORONONANOIC ACID (ADONA, DONA)	OR
EPA 1633	HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA, GENX)	OR
EPA 1633	N-ETHYL PERFLUOROOCTANESULFONAMIDOETHANOL (NETFOSE, ETFOSE)	OR

COPY

Scope of Accreditation

VELAP Certificate No.: 13089

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: August 08, 2024
Expiration Date: September 14, 2025

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 1633	N-ETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (N-ETFOSAA)	OR
EPA 1633	N-METHYL PERFLUOROOCTANESULFONAMIDOETHANOL (NMEFOSE, MEFOSE)	OR
EPA 1633	NONAFLUORO-3,6-DIOXAHEPTANOIC ACID (NFDHA)	OR
EPA 1633	PERFLUORO-1-BUTANESULFONIC ACID (PFBS)	OR
EPA 1633	PERFLUORO-1-HEPTANESULFONIC ACID (PFHPS)	OR
EPA 1633	PERFLUORO-1-NONANESULFONIC ACID (PFNS)	OR
EPA 1633	PERFLUORO-1-OCTANESULFONIC ACID (PFOS)	OR
EPA 1633	PERFLUORO-3-METHOXYPROPANOIC ACID (PFMPA)	OR
EPA 1633	PERFLUOROBUTANOIC ACID (PFBA)	OR
EPA 1633	PERFLUORODODECANESULFONIC ACID (PFDOS)	OR
EPA 1633	PERFLUOROHEPTANOIC ACID (PFHPA)	OR
EPA 1633	PERFLUORONONANOIC ACID (PFNA)	OR
EPA 1633	PERFLUOROPENTANOIC ACID (PFPEA)	OR
EPA 1633	PERFLUOROTRIDECANOIC ACID (PFTRDA)	OR
EPA 3050 B	PREP: ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS	OR
EPA 3546	PREP: MICROWAVE EXTRACTION	OR
EPA 3620 B	PREP: FLORISIL CLEANUP	OR
EPA 3650 B	PREP: ACID BASE PARTITION CLEANUP	OR
EPA 3665 A	SULFURIC ACID/PERMANGANATE CLEAN-UP	OR
EPA 5035 A	PREP: CLOSED-SYSTEM PURGE AND TRAP AND EXTRACTION	OR
EPA 6010 D	ANTIMONY	OR
EPA 6010 D	BARIUM	OR
EPA 6010 D	BORON	OR
EPA 6010 D	CALCIUM	OR
EPA 6010 D	COBALT	OR
EPA 6010 D	IRON	OR
EPA 6010 D	LITHIUM	OR
EPA 6010 D	MANGANESE	OR
EPA 1633	N-METHYL PERFLUOROOCTANESULFONAMIDE (NMEFOSA, MEFOSA)	OR
EPA 1633	N-METHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (N-MEFOSAA)	OR
EPA 1633	PERFLUORO(2-ETHOXYETHANE)SULFONIC ACID (PFEESA)	OR
EPA 1633	PERFLUORO-1-DECANESULFONIC ACID (PFDS)	OR
EPA 1633	PERFLUORO-1-HEXANESULFONIC ACID (PFHXS)	OR
EPA 1633	PERFLUORO-1-OCTANESULFONAMIDE (PFOSA, PFOSAM)	OR
EPA 1633	PERFLUORO-1-PENTANESULFONIC ACID (PFPES)	OR
EPA 1633	PERFLUORO-4-METHOXYBUTANOIC ACID (PFMBA)	OR
EPA 1633	PERFLUORODECANOIC ACID (PFDA)	OR
EPA 1633	PERFLUORODODECANOIC ACID (PFDOA, PFDODA)	OR
EPA 1633	PERFLUOROHEXANOIC ACID (PFHXA)	OR
EPA 1633	PERFLUOROOCTANOIC ACID (PFOA)	OR
EPA 1633	PERFLUOROTETRADECANOIC ACID (PFTA, PFTDA, PFTEDA)	OR
EPA 1633	PERFLUOROUNDECANOIC ACID (PFUNA, PFUNDA)	OR
EPA 3540 C	PREP: SOXHLET EXTRACTION	OR
EPA 3580 A	PREP: WASTE DILUTION	OR
EPA 3630 C	PREP: SILICA GEL CLEANUP	OR
EPA 3660 B	PREP: SULFUR CLEANUP	OR
EPA 5030 C	PREP: PURGE AND TRAP FOR AQUEOUS SAMPLES	OR
EPA 6010 D	ALUMINUM	OR
EPA 6010 D	ARSENIC	OR
EPA 6010 D	BERYLLIUM	OR
EPA 6010 D	CADMIUM	OR
EPA 6010 D	CHROMIUM	OR
EPA 6010 D	COPPER	OR
EPA 6010 D	LEAD	OR
EPA 6010 D	MAGNESIUM	OR
EPA 6010 D	MOLYBDENUM	OR

COPY

Scope of Accreditation

VELAP Certificate No.: 13089

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: August 08, 2024
Expiration Date: September 14, 2025

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 6010 D	NICKEL	OR
EPA 6010 D	SELENIUM	OR
EPA 6010 D	SILVER	OR
EPA 6010 D	STRONTIUM	OR
EPA 6010 D	TIN	OR
EPA 6010 D	VANADIUM	OR
EPA 6010 D - EXTENDED	SILICON	OR
EPA 6020 B	ANTIMONY	OR
EPA 6020 B	BARIUM	OR
EPA 6020 B	CADMIUM	OR
EPA 6020 B	CHROMIUM	OR
EPA 6020 B	COPPER	OR
EPA 6020 B	LEAD	OR
EPA 6020 B	MANGANESE	OR
EPA 6020 B	NICKEL	OR
EPA 6020 B	SELENIUM	OR
EPA 6020 B	SODIUM	OR
EPA 6020 B	TIN	OR
EPA 6020 B	ZINC	OR
EPA 6020 B - EXTENDED	LITHIUM	OR
EPA 6020 B - EXTENDED	TITANIUM	OR
EPA 7471 B	MERCURY	OR
EPA 8015 C	GASOLINE RANGE ORGANICS (GRO)	OR
EPA 8015 D	GASOLINE RANGE ORGANICS (GRO)	OR
EPA 8081 B	4,4'-DDE	OR
EPA 8081 B	ALDRIN	OR
EPA 8081 B	ALPHA-CHLORDANE (CIS-CHLORDANE)	OR
EPA 8081 B	CHLORDANE, TOTAL	OR
EPA 8081 B	DIELDRIN	OR
EPA 8081 B	ENDOSULFAN II	OR
EPA 8081 B	ENDRIN	OR
EPA 8081 B	ENDRIN KETONE	OR
EPA 8081 B	GAMMA-CHLORDANE (TRANS-CHLORDANE)	OR
EPA 8081 B	HEPTACHLOR EPOXIDE	OR
EPA 6010 D	POTASSIUM	OR
EPA 6010 D	SILICA AS SIO2	OR
EPA 6010 D	SODIUM	OR
EPA 6010 D	THALLIUM	OR
EPA 6010 D	TITANIUM	OR
EPA 6010 D	ZINC	OR
EPA 6020 B	ALUMINUM	OR
EPA 6020 B	ARSENIC	OR
EPA 6020 B	BERYLLIUM	OR
EPA 6020 B	CALCIUM	OR
EPA 6020 B	COBALT	OR
EPA 6020 B	IRON	OR
EPA 6020 B	MAGNESIUM	OR
EPA 6020 B	MOLYBDENUM	OR
EPA 6020 B	POTASSIUM	OR
EPA 6020 B	SILVER	OR
EPA 6020 B	THALLIUM	OR
EPA 6020 B	VANADIUM	OR
EPA 6020 B - EXTENDED	BORON	OR
EPA 6020 B - EXTENDED	STRONTIUM	OR
EPA 7470 A	MERCURY	OR
EPA 8015 C	DIESEL RANGE ORGANICS (DRO)	OR
EPA 8015 D	DIESEL RANGE ORGANICS (DRO)	OR
EPA 8081 B	4,4'-DDD	OR
EPA 8081 B	4,4'-DDT	OR
EPA 8081 B	ALPHA-BHC (ALPHA-HEXACHLOROCYCLOHEXANE)	OR
EPA 8081 B	BETA-BHC (BETA-HEXACHLOROCYCLOHEXANE)	OR
EPA 8081 B	DELTA-BHC	OR
EPA 8081 B	ENDOSULFAN I	OR
EPA 8081 B	ENDOSULFAN SULFATE	OR
EPA 8081 B	ENDRIN ALDEHYDE	OR
EPA 8081 B	GAMMA-BHC (LINDANE, GAMMA-HEXACHLOROCYCLOHEXANE)	OR
EPA 8081 B	HEPTACHLOR	OR
EPA 8081 B	HEXACHLOROBENZENE	OR

COPY

Scope of Accreditation

VELAP Certificate No.: 13089

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: August 08, 2024
Expiration Date: September 14, 2025

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8081 B	ISODRIN	OR
EPA 8081 B	TOXAPHENE (CHLORINATED CAMPHENE)	OR
EPA 8081 B - EXTENDED	MIREX	OR
EPA 8082 A	AROCLOR-1221 (PCB-1221)	OR
EPA 8082 A	AROCLOR-1242 (PCB-1242)	OR
EPA 8082 A	AROCLOR-1254 (PCB-1254)	OR
EPA 8082 A - EXTENDED	AROCLOR-1262 (PCB-1262)	OR
EPA 8260 D	1,1,1,2-TETRACHLOROETHANE	OR
EPA 8260 D	1,1,2,2-TETRACHLOROETHANE	OR
EPA 8260 D	1,1,2-TRICHLOROETHANE	OR
EPA 8260 D	1,1-DICHLOROETHYLENE	OR
EPA 8260 D	1,2,3-TRICHLOROBENZENE	OR
EPA 8260 D	1,2,3-TRIMETHYLBENZENE	OR
EPA 8260 D	1,2,4-TRIMETHYLBENZENE	OR
EPA 8260 D	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	OR
EPA 8260 D	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	OR
EPA 8260 D	1,3,5-TRIMETHYLBENZENE	OR
EPA 8260 D	1,3-DICHLOROPROPANE	OR
EPA 8260 D	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	OR
EPA 8260 D	1-CHLOROHEXANE	OR
EPA 8260 D	2-BUTANONE (METHYL ETHYL KETONE, MEK)	OR
EPA 8260 D	2-CHLOROTOLUENE	OR
EPA 8260 D	2-NITROPROPANE	OR
EPA 8260 D	4-ISOPROPYLTOLUENE (P-CYMENE, P-ISOPROPYLTOLUENE)	OR
EPA 8260 D	ACETONE	OR
EPA 8260 D	ACROLEIN (PROPENAL)	OR
EPA 8260 D	ALLYL CHLORIDE (3-CHLOROPROPENE)	OR
EPA 8260 D	BENZYL CHLORIDE	OR
EPA 8260 D	BROMOCHLOROMETHANE	OR
EPA 8260 D	BROMOFORM	OR
EPA 8260 D	CARBON TETRACHLORIDE	OR
EPA 8260 D	CHLORODIBROMOMETHANE	OR
EPA 8081 B	METHOXYCHLOR	OR
EPA 8081 B - EXTENDED	KEPONE	OR
EPA 8082 A	AROCLOR-1016 (PCB-1016)	OR
EPA 8082 A	AROCLOR-1232 (PCB-1232)	OR
EPA 8082 A	AROCLOR-1248 (PCB-1248)	OR
EPA 8082 A	AROCLOR-1260 (PCB-1260)	OR
EPA 8082 A - EXTENDED	AROCLOR-1268 (PCB-1268)	OR
EPA 8260 D	1,1,1-TRICHLOROETHANE	OR
EPA 8260 D	1,1,2-TRICHLORO-1,2,2-TRIFLUORO ETHANE (FREON 113)	OR
EPA 8260 D	1,1-DICHLOROETHANE	OR
EPA 8260 D	1,1-DICHLOROPROPENE	OR
EPA 8260 D	1,2,3-TRICHLOROPROPANE	OR
EPA 8260 D	1,2,4-TRICHLOROBENZENE	OR
EPA 8260 D	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	OR
EPA 8260 D	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	OR
EPA 8260 D	1,2-DICHLOROPROPANE	OR
EPA 8260 D	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	OR
EPA 8260 D	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	OR
EPA 8260 D	1-BUTANOL (N-BUTANOL, N-BUTYL ALCOHOL)	OR
EPA 8260 D	2,2-DICHLOROPROPANE	OR
EPA 8260 D	2-CHLOROETHYL VINYL ETHER	OR
EPA 8260 D	2-HEXANONE	OR
EPA 8260 D	4-CHLOROTOLUENE	OR
EPA 8260 D	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	OR
EPA 8260 D	ACETONITRILE	OR
EPA 8260 D	ACRYLONITRILE	OR
EPA 8260 D	BENZENE	OR
EPA 8260 D	BROMOBENZENE	OR
EPA 8260 D	BROMODICHLOROMETHANE	OR
EPA 8260 D	CARBON DISULFIDE	OR
EPA 8260 D	CHLOROBENZENE	OR
EPA 8260 D	CHLOROETHANE (ETHYL CHLORIDE)	OR

COPY

Scope of Accreditation

VELAP Certificate No.: 13089

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: August 08, 2024
Expiration Date: September 14, 2025

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8260 D	CHLOROFORM	OR
EPA 8260 D	CIS-1,2-DICHLOROETHYLENE	OR
EPA 8260 D	CYCLOHEXANE	OR
EPA 8260 D	DIBROMOMETHANE (METHYLENE BROMIDE)	OR
EPA 8260 D	DIETHYL ETHER	OR
EPA 8260 D	ETHYL METHACRYLATE	OR
EPA 8260 D	ETHYLBENZENE	OR
EPA 8260 D	IODOMETHANE (METHYL IODIDE)	OR
EPA 8260 D	ISOPROPYLBENZENE	OR
EPA 8260 D	METHACRYLONITRILE	OR
EPA 8260 D	METHYL BROMIDE (BROMOMETHANE)	OR
EPA 8260 D	METHYL METHACRYLATE	OR
EPA 8260 D	METHYLCYCLOHEXANE	OR
EPA 8260 D	N-BUTYLBENZENE	OR
EPA 8260 D	NAPHTHALENE	OR
EPA 8260 D	PROPIONITRILE (ETHYL CYANIDE)	OR
EPA 8260 D	STYRENE	OR
EPA 8260 D	TERT-BUTYL ALCOHOL (2-METHYL-2-PROPANOL)	OR
EPA 8260 D	TETRACHLOROETHENE (PERCHLOROETHENE)	OR
EPA 8260 D	TOTAL TRIHALOMETHANES (TTHMS)	OR
EPA 8260 D	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	OR
EPA 8260 D	TRICHLOROETHENE (TRICHLOROETHYLENE)	OR
EPA 8260 D	VINYL ACETATE	OR
EPA 8260 D	XYLENE (TOTAL)	OR
EPA 8260 D - EXTENDED	1,3-BUTADIENE	OR
EPA 8260 D - EXTENDED	CIS & TRANS-1,2-DICHLOROETHENE	OR
EPA 8260 D - EXTENDED	DICHLOROFLUOROMETHANE (FREON 21)	OR
EPA 8260 D - EXTENDED	N-HEPTANE	OR
EPA 8260 D - EXTENDED	TETRAHYDROFURAN (THF)	OR
EPA 8260 D	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	OR
EPA 8260 D	CIS-1,3-DICHLOROPROPENE	OR
EPA 8260 D	DIISOPROPYLETHER (DIPE, ISOPROPYL ETHER)	OR
EPA 8260 D	DICHLORODIFLUOROMETHANE (FREON-12)	OR
EPA 8260 D	ETHYL ACETATE	OR
EPA 8260 D	ETHYL-T-BUTYLETHER (2-ETHOXY-2-METHYLPROPANE, ETBE)	OR
EPA 8260 D	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	OR
EPA 8260 D	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	OR
EPA 8260 D	M+P-XYLENE	OR
EPA 8260 D	METHYL ACETATE	OR
EPA 8260 D	METHYL CHLORIDE (CHLOROMETHANE)	OR
EPA 8260 D	METHYL TERT-BUTYL ETHER (MTBE)	OR
EPA 8260 D	METHYLENE CHLORIDE (DICHLOROMETHANE)	OR
EPA 8260 D	N-PROPYLBENZENE	OR
EPA 8260 D	O-XYLENE	OR
EPA 8260 D	SEC-BUTYLBENZENE	OR
EPA 8260 D	TERT-AMYL METHYL ETHER (TAME)	OR
EPA 8260 D	TERT-BUTYLBENZENE	OR
EPA 8260 D	TOLUENE	OR
EPA 8260 D	TRANS-1,2-DICHLOROETHENE	OR
EPA 8260 D	TRANS-1,4-DICHLORO-2-BUTENE	OR
EPA 8260 D	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	OR
EPA 8260 D	VINYL CHLORIDE (CHLOROETHENE)	OR
EPA 8260 D - EXTENDED	1,3,5-TRICHLOROBENZENE	OR
EPA 8260 D - EXTENDED	2-METHYLNAPHTHALENE	OR
EPA 8260 D - EXTENDED	CYCLOHEXANONE	OR
EPA 8260 D - EXTENDED	N-BUTYL-ACETATE	OR
EPA 8260 D - EXTENDED	N-HEXANE	OR
EPA 8270 E	1,1'-BIPHENYL (BZ-0)	OR

COPY

Scope of Accreditation

VELAP Certificate No.: 13089

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: August 08, 2024
Expiration Date: September 14, 2025

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8270 E	1,2,4,5-TETRACHLOROBENZENE	OR
EPA 8270 E	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	OR
EPA 8270 E	1,3,5-TRINITROBENZENE (1,3,5-TNB)	OR
EPA 8270 E	1,3-DINITROBENZENE (1,3-DNB)	OR
EPA 8270 E	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	OR
EPA 8270 E	1,4-PHENYLENEDIAMINE	OR
EPA 8270 E	1-NAPHTHYLAMINE	OR
EPA 8270 E	2,4,5-TRICHLOROPHENOL	OR
EPA 8270 E	2,4-DICHLOROPHENOL	OR
EPA 8270 E	2,4-DINITROPHENOL	OR
EPA 8270 E	2,6-DICHLOROPHENOL	OR
EPA 8270 E	2-ACETYLAMINOFLUORENE	OR
EPA 8270 E	2-CHLOROPHENOL	OR
EPA 8270 E	2-METHYLNAPHTHALENE	OR
EPA 8270 E	2-NAPHTHYLAMINE	OR
EPA 8270 E	2-NITROPHENOL	OR
EPA 8270 E	3+4-METHYLPHENOL (M+P CRESOL)	OR
EPA 8270 E	3,3'-DIMETHYLBENZIDINE	OR
EPA 8270 E	3-METHYLPHENOL (M-CRESOL)	OR
EPA 8270 E	4-AMINOBIPHENYL	OR
EPA 8270 E	4-CHLORO-3-METHYLPHENOL	OR
EPA 8270 E	4-CHLOROPHENYL PHENYLETHER	OR
EPA 8270 E	4-NITROANILINE	OR
EPA 8270 E	4-NITROQUINOLINE-1-OXIDE	OR
EPA 8270 E	7,12-DIMETHYLBENZ(A) ANTHRACENE	OR
EPA 8270 E	ACENAPHTHENE	OR
EPA 8270 E	ACETOPHENONE	OR
EPA 8270 E	ANTHRACENE	OR
EPA 8270 E	ATRAZINE	OR
EPA 8270 E	BENZIDINE	OR
EPA 8270 E	BENZO(A)PYRENE	OR
EPA 8270 E	BENZO(G,H,I)PERYLENE	OR
EPA 8270 E	BENZOIC ACID	OR
EPA 8270 E	BIS(2-CHLOROETHOXY)METHANE	OR
EPA 8270 E	1,2,4-TRICHLOROBENZENE	OR
EPA 8270 E	1,2-DIPHENYLHYDRAZINE	OR
EPA 8270 E	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	OR
EPA 8270 E	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	OR
EPA 8270 E	1,4-NAPHTHOQUINONE	OR
EPA 8270 E	1-METHYLNAPHTHALENE	OR
EPA 8270 E	2,3,4,6-TETRACHLOROPHENOL	OR
EPA 8270 E	2,4,6-TRICHLOROPHENOL	OR
EPA 8270 E	2,4-DIMETHYLPHENOL	OR
EPA 8270 E	2,4-DINITROTOLUENE (2,4-DNT)	OR
EPA 8270 E	2,6-DINITROTOLUENE (2,6-DNT)	OR
EPA 8270 E	2-CHLORONAPHTHALENE	OR
EPA 8270 E	2-METHYL-4,6-DINITROPHENOL (4,6-DINITRO-2-METHYLPHENOL)	OR
EPA 8270 E	2-METHYLPHENOL (O-CRESOL)	OR
EPA 8270 E	2-NITROANILINE	OR
EPA 8270 E	2-PICOLINE (2-METHYLPYRIDINE)	OR
EPA 8270 E	3,3'-DICHLOROBENZIDINE	OR
EPA 8270 E	3-METHYLCHOLANTHRENE	OR
EPA 8270 E	3-NITROANILINE	OR
EPA 8270 E	4-BROMOPHENYL PHENYL ETHER (BDE-3)	OR
EPA 8270 E	4-CHLOROANILINE	OR
EPA 8270 E	4-METHYLPHENOL (P-CRESOL)	OR
EPA 8270 E	4-NITROPHENOL	OR
EPA 8270 E	5-NITRO-O-TOLUIDINE	OR
EPA 8270 E	A-A-DIMETHYLPHENETHYLAMINE	OR
EPA 8270 E	ACENAPHTHYLENE	OR
EPA 8270 E	ANILINE	OR
EPA 8270 E	ARAMITE	OR
EPA 8270 E	BENZALDEHYDE	OR
EPA 8270 E	BENZO(A)ANTHRACENE	OR
EPA 8270 E	BENZO(B)FLUORANTHENE	OR
EPA 8270 E	BENZO(K)FLUORANTHENE	OR
EPA 8270 E	BENZYL ALCOHOL	OR
EPA 8270 E	BIS(2-CHLOROETHYL) ETHER	OR

Scope of Accreditation

VELAP Certificate No.: 13089

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: August 08, 2024
Expiration Date: September 14, 2025

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8270 E	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	OR
EPA 8270 E	CAPROLACTAM	OR
EPA 8270 E	CHLOROBENZILATE	OR
EPA 8270 E	DI-N-BUTYL PHTHALATE	OR
EPA 8270 E	DIALLATE	OR
EPA 8270 E	DIBENZOFURAN	OR
EPA 8270 E	DIMETHOATE	OR
EPA 8270 E	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	OR
EPA 8270 E	DISULFOTON	OR
EPA 8270 E	FAMPHUR	OR
EPA 8270 E	FLUORENE	OR
EPA 8270 E	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	OR
EPA 8270 E	HEXACHLOROETHANE	OR
EPA 8270 E	INDENO(1,2,3-CD) PYRENE	OR
EPA 8270 E	ISOPHORONE	OR
EPA 8270 E	METHAPYRILENE	OR
EPA 8270 E	METHYL PARATHION (PARATHION, METHYL)	OR
EPA 8270 E	N-NITROSODI-N-PROPYLAMINE	OR
EPA 8270 E	N-NITROSODIMETHYLAMINE	OR
EPA 8270 E	N-NITROSOMETHYLETHYLAMINE	OR
EPA 8270 E	N-NITROSOPIPERIDINE	OR
EPA 8270 E	NAPHTHALENE	OR
EPA 8270 E	O,O,O-TRIETHYL PHOSPHOROTHIOATE	OR
EPA 8270 E	PARATHION (PARATHION - ETHYL)	OR
EPA 8270 E	PENTACHLORONITROBENZENE	OR
EPA 8270 E	PHENACETIN	OR
EPA 8270 E	PHENOL	OR
EPA 8270 E	PRONAMIDE (KERB)	OR
EPA 8270 E	PYRIDINE	OR
EPA 8270 E	SULFOTEP (TETRAETHYL DITHIOPYROPHOSPHATE, TEDP)	OR
EPA 8270 E - EXTENDED	1,2,3,4-TETRACHLOROBENZENE	OR
EPA 8270 E - EXTENDED	4-DIMETHYL AMINOAZOBENZENE	OR
EPA 8270 E - EXTENDED	DIPHENYL ETHER (DIPHENYL OXIDE)	OR
EPA 8270 E - EXTENDED	TRIBUTYL PHOSPHATE	OR
EPA 8270 E	BUTYL BENZYL PHTHALATE	OR
EPA 8270 E	CARBAZOLE	OR
EPA 8270 E	CHRYSENE	OR
EPA 8270 E	DI-N-OCTYL PHTHALATE	OR
EPA 8270 E	DIBENZO(A,H) ANTHRACENE	OR
EPA 8270 E	DIETHYL PHTHALATE	OR
EPA 8270 E	DIMETHYL PHTHALATE	OR
EPA 8270 E	DIPHENYLAMINE	OR
EPA 8270 E	ETHYL METHANESULFONATE	OR
EPA 8270 E	FLUORANTHENE	OR
EPA 8270 E	HEXACHLOROBENZENE	OR
EPA 8270 E	HEXACHLOROCYCLOPENTADIENE	OR
EPA 8270 E	HEXACHLOROPROPENE	OR
EPA 8270 E	ISODRIN	OR
EPA 8270 E	ISOSAFROLE	OR
EPA 8270 E	METHYL METHANESULFONATE	OR
EPA 8270 E	N-NITROSO-DI-N-BUTYLAMINE	OR
EPA 8270 E	N-NITROSODIETHYLAMINE	OR
EPA 8270 E	N-NITROSODIPHENYLAMINE	OR
EPA 8270 E	N-NITROSOMORPHOLINE	OR
EPA 8270 E	N-NITROSOPYRROLIDINE	OR
EPA 8270 E	NITROBENZENE	OR
EPA 8270 E	O-TOLUIDINE (2-METHYLANILINE)	OR
EPA 8270 E	PENTACHLOROBENZENE	OR
EPA 8270 E	PENTACHLOROPHENOL	OR
EPA 8270 E	PHENANTHRENE	OR
EPA 8270 E	PHORATE	OR
EPA 8270 E	PYRENE	OR
EPA 8270 E	SAFROLE	OR
EPA 8270 E	THIONAZIN (ZINOPHOS, DIETHYL-O-2-PYRAZINYL PHOSPHOROTHIONATE)	OR
EPA 8270 E - EXTENDED	2,2'-OXYBIS(1-CHLOROPROPANE)	OR
EPA 8270 E - EXTENDED	CRESOLS, TOTAL	OR
EPA 8270 E - EXTENDED	PENTACHLOROETHANE	OR

COPY

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13089

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203

Virginia Laboratory ID: 460175
Effective Date: August 08, 2024
Expiration Date: September 14, 2025

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8315 A	FORMALDEHYDE	OR
EPA 9012 B	CYANIDE, TOTAL	OR
EPA 9034	TOTAL SULFIDES	OR
EPA 9045 D	PH	OR
EPA 9056 A	CHLORIDE	OR
EPA 9056 A	NITRATE AS N	OR
EPA 9056 A	SULFATE	OR
EPA 9095 B	FREE LIQUID	OR
EPA 9012 B	CYANIDE, AMENABLE	OR
EPA 9030 B	PREP: SULFIDE	OR
EPA 9040 C	PH	OR
EPA 9056 A	BROMIDE	OR
EPA 9056 A	FLUORIDE	OR
EPA 9056 A	NITRITE AS N	OR
EPA 9056 A - EXTENDED	NITRATE-NITRITE AS N	OR

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF GENERAL SERVICES
DIVISION OF CONSOLIDATED LABORATORY SERVICES

Certifies that

VA Laboratory ID#: 460202
GEL Laboratories, LLC

2040 Savage Rd
Charleston, SC 29407

Owner: JAMES M. AND KATHLEEN STELLING
Responsible Official: BRIELLE LUTHMAN

Having met the requirements of 1 VAC 30-46 and
having been found compliant with the 2016 TNI Standard approved by The NELAC Institute
is hereby approved as an

Accredited Environmental Laboratory

As more fully described in the attached Scope of Accreditation

Effective Date: **December 15, 2024**
Expiration Date: **December 14, 2025**
Certificate # 13183

Denise M. Toney

Denise M. Toney, Ph.D., HCLD
DGS Deputy Director for Laboratories

Continued accreditation status depends on successful ongoing participation in the program.
Certificate to be conspicuously displayed at the laboratory.
Not valid unless accompanied by a valid Virginia Environmental Laboratory Accreditation Program (VELAP) Scope of Accreditation.
Customers are urged to verify the laboratory's current accreditation status.

Certificate Not Transferable

Surrender Upon Revocation

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13183

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

BIOLOGICAL TISSUE

METHOD	ANALYTE	PRIMARY
EPA 1633	11-CHLOROEICOSAFLUORO-3-OXA UNDECANE-1-SULFONIC ACID (11CL-PF3OUDS)	UT
EPA 1633	1H, 1H, 2H, 2H-PERFLUOROHEXANE SULFONIC ACID (4:2 FTS)	UT
EPA 1633	2H,2H,3H,3H-PERFLUOROOCTANOI C ACID (5:3 FTCA)	UT
EPA 1633	3-PERFLUOROPROPYL PROPANOIC ACID (3:3 FTCA)	UT
EPA 1633	9-CHLOROHEXADECAFLUORO-3-OX ANONANE-1-SULFONIC ACID (9CL-PF3ONS)	UT
EPA 1633	N-ETHYL PERFLUOROOCTANESULFONAMID E (NETFOSA, ETFOSAM)	UT
EPA 1633	N-ETHYLPERFLUORO-1-OCTANESU LFONAMIDOACETIC ACID (N-ETFOSAA)	UT
EPA 1633	N-METHYL PERFLUOROOCTANESULFONAMID OETHANOL (NMEFOSE, MEFOSE)	UT
EPA 1633	NONAFLUORO-3,6-DIOXAHEPTANOI C ACID (NFDHA)	UT
EPA 1633	PERFLUORO-1-BUTANESULFONIC ACID (PFBS)	UT
EPA 1633	PERFLUORO-1-HEPTANESULFONIC ACID (PFHPS)	UT
EPA 1633	PERFLUORO-1-NONANESULFONIC ACID (PFNS)	UT
EPA 1633	PERFLUORO-1-OCTANESULFONIC ACID (PFOS)	UT
EPA 1633	PERFLUORO-3-METHOXYPROPANO IC ACID (PFMPA)	UT
EPA 1633	PERFLUOROBUTANOIC ACID (PFBA)	UT
EPA 1633	PERFLUORODODECANESULFONIC ACID (PFDOS)	UT
EPA 1633	PERFLUOROHEPTANOIC ACID (PFHPA)	UT
EPA 1633	PERFLUORONONANOIC ACID (PFNA)	UT
EPA 1633	PERFLUOROPENTANOIC ACID (PFPEA)	UT
EPA 1633	PERFLUOROTRIDECANOIC ACID (PFTRDA)	UT
EPA 1633	1H, 1H, 2H, 2H-PERFLUORODECANE SULFONIC ACID (8:2 FTS)	UT
EPA 1633	1H, 1H, 2H, 2H-PERFLUOROOCTANE SULFONIC ACID (6:2 FTS)	UT
EPA 1633	3-PERFLUOROHEPTYL PROPANOIC ACID (7:3 FTCA)	UT
EPA 1633	4,8-DIOXA-3H-PERFLUORONONANO IC ACID (ADONA, DONA)	UT
EPA 1633	HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA, GENX)	UT
EPA 1633	N-ETHYL PERFLUOROOCTANESULFONAMID OETHANOL (NETFOSE, ETFOSE)	UT
EPA 1633	N-METHYL PERFLUOROOCTANESULFONAMID E (NMEFOSA, MEFOSA)	UT
EPA 1633	N-METHYLPERFLUORO-1-OCTANES ULFONAMIDOACETIC ACID (N-MEFOSAA)	UT
EPA 1633	PERFLUORO(2-ETHOXYETHANE)SU LFONIC ACID (PFEESA)	UT
EPA 1633	PERFLUORO-1-DECANESULFONIC ACID (PFDS)	UT
EPA 1633	PERFLUORO-1-HEXANESULFONIC ACID (PFHXS)	UT
EPA 1633	PERFLUORO-1-OCTANESULFONAMI DE (PFOSA, PFOSAM)	UT
EPA 1633	PERFLUORO-1-PENTANESULFONIC ACID (PFPES)	UT
EPA 1633	PERFLUORO-4-METHOXYBUTANOI C ACID (PFMBA)	UT
EPA 1633	PERFLUORODECANOIC ACID (PFDA)	UT
EPA 1633	PERFLUORODODECANOIC ACID (PFDOA, PFDODA)	UT
EPA 1633	PERFLUOROHEXANOIC ACID (PFHXA)	UT
EPA 1633	PERFLUOROOCTANOIC ACID (PFOA)	UT
EPA 1633	PERFLUOROTETRADECANOIC ACID (PFTA, PFTDA, PFTEDA)	UT
EPA 1633	PERFLUOROUNDECANOIC ACID (PFUNA, PFUNDA)	UT

DRINKING WATER

METHOD	ANALYTE	PRIMARY
EPA 00-02	GROSS ALPHA	UT

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13183

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

DRINKING WATER

METHOD	ANALYTE	PRIMARY
EPA 200.7 REV 4.4	ALUMINUM	UT
EPA 200.7 REV 4.4	BERYLLIUM	UT
EPA 200.7 REV 4.4	CALCIUM	UT
EPA 200.7 REV 4.4	COPPER	UT
EPA 200.7 REV 4.4	MANGANESE	UT
EPA 200.7 REV 4.4	SILICA AS SIO2	UT
EPA 200.7 REV 4.4	SODIUM	UT
EPA 200.8 REV 5.4	ALUMINUM	UT
EPA 200.8 REV 5.4	ARSENIC	UT
EPA 200.8 REV 5.4	BERYLLIUM	UT
EPA 200.8 REV 5.4	CHROMIUM	UT
EPA 200.8 REV 5.4	IRON	UT
EPA 200.8 REV 5.4	MANGANESE	UT
EPA 200.8 REV 5.4	SELENIUM	UT
EPA 200.8 REV 5.4	THALLIUM	UT
EPA 200.8 REV 5.4	ZINC	UT
EPA 245.2	MERCURY	UT
EPA 300.0 REV 2.1	CHLORIDE	UT
EPA 300.0 REV 2.1	NITRATE AS N	UT
EPA 300.0 REV 2.1	NITRITE AS N	UT
EPA 300.0 REV 2.1	SULFATE	UT
EPA 504.1 REV 1.1	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	UT
EPA 533	HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA, GENX)	UT
EPA 533	PERFLUORO-1-HEXANESULFONIC ACID (PFHXS)	UT
EPA 533	PERFLUORONONANOIC ACID (PFNA)	UT
EPA 537.1 REV 2	HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA, GENX)	UT
EPA 537.1 REV 2	PERFLUORO-1-HEXANESULFONIC ACID (PFHXS)	UT
EPA 537.1 REV 2	PERFLUORONONANOIC ACID (PFNA)	UT
EPA 900.0	GROSS ALPHA	UT
EPA 901.1	CESIUM-134	UT
EPA 901.1	GAMMA EMITTERS	UT
EPA 902.0	IODINE-131	UT
EPA 903.1	RADIUM-226	UT
EPA 905.0	STRONTIUM-89	UT
EPA 906.0	TRITIUM	UT
SM 2510 B-2011	CONDUCTIVITY	UT
EPA 200.7 REV 4.4	BARIUM	UT
EPA 200.7 REV 4.4	CADMIUM	UT
EPA 200.7 REV 4.4	CHROMIUM	UT
EPA 200.7 REV 4.4	IRON	UT
EPA 200.7 REV 4.4	NICKEL	UT
EPA 200.7 REV 4.4	SILVER	UT
EPA 200.7 REV 4.4	ZINC	UT
EPA 200.8 REV 5.4	ANTIMONY	UT
EPA 200.8 REV 5.4	BARIUM	UT
EPA 200.8 REV 5.4	CADMIUM	UT
EPA 200.8 REV 5.4	COPPER	UT
EPA 200.8 REV 5.4	LEAD	UT
EPA 200.8 REV 5.4	NICKEL	UT
EPA 200.8 REV 5.4	SILVER	UT
EPA 200.8 REV 5.4	URANIUM (MASS)	UT
EPA 245.1 REV 3	MERCURY	UT
EPA 300.0 REV 2.1	BROMIDE	UT
EPA 300.0 REV 2.1	FLUORIDE	UT
EPA 300.0 REV 2.1	NITRATE-NITRITE AS N	UT
EPA 300.0 REV 2.1	ORTHOPHOSPHATE AS P	UT
EPA 353.2 REV 2	NITRATE-NITRITE AS N	UT
EPA 504.1 REV 1.1	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	UT
EPA 533	PERFLUORO-1-BUTANESULFONIC ACID (PFBS)	UT
EPA 533	PERFLUORO-1-OCTANESULFONIC ACID (PFOS)	UT
EPA 533	PERFLUOROOCTANOIC ACID (PFOA)	UT
EPA 537.1 REV 2	PERFLUORO-1-BUTANESULFONIC ACID (PFBS)	UT
EPA 537.1 REV 2	PERFLUORO-1-OCTANESULFONIC ACID (PFOS)	UT
EPA 537.1 REV 2	PERFLUOROOCTANOIC ACID (PFOA)	UT
EPA 900.0	GROSS BETA	UT
EPA 901.1	CESIUM-137	UT
EPA 901.1	IODINE-131	UT
EPA 903.0	TOTAL ALPHA RADIUM	UT
EPA 904.0	RADIUM-228	UT
EPA 905.0	STRONTIUM-90	UT
SM 2120 B-2011	COLOR	UT

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13183

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

DRINKING WATER

METHOD	ANALYTE	PRIMARY
SM 2540 C-2015	RESIDUE-FILTERABLE (TDS)	UT
SM 4500-NO_3^- F-2016	NITRATE-NITRITE AS N	UT

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 1020 B	FLASHPOINT	UT
EPA 120.1	CONDUCTIVITY	UT
EPA 1312	PREP: SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP)	UT
EPA 1631 E	MERCURY	UT
EPA 1633	1H, 1H, 2H, 2H-PERFLUORODECANE SULFONIC ACID (8:2 FTS)	UT
EPA 1633	1H, 1H, 2H, 2H-PERFLUOROOCTANE SULFONIC ACID (6:2 FTS)	UT
EPA 1633	3-PERFLUOROHEPTYL PROPANOIC ACID (7:3 FTCA)	UT
EPA 1633	4,8-DIOXA-3H-PERFLUORONONANOIC ACID (ADONA, DONA)	UT
EPA 1633	HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA, GENX)	UT
EPA 1633	N-ETHYL PERFLUOROOCTANESULFONAMIDOETHANOL (NETFOSE, ETFOSE)	UT
EPA 1633	N-METHYL PERFLUOROOCTANESULFONAMIDE (NMEFOSA, MEFOSA)	UT
EPA 1633	N-METHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (N-MEFOSAA)	UT
EPA 1633	PERFLUORO(2-ETHOXYETHANE)SULFONIC ACID (PFEESA)	UT
EPA 1633	PERFLUORO-1-DECANESULFONIC ACID (PFDS)	UT
EPA 1633	PERFLUORO-1-HEXANESULFONIC ACID (PFHXS)	UT
EPA 1633	PERFLUORO-1-OCTANESULFONAMIDE (PFOSA, PFOSAM)	UT
EPA 1633	PERFLUORO-1-PENTANESULFONIC ACID (PFPES)	UT
EPA 1633	PERFLUORO-4-METHOXYBUTANOIC ACID (PFMBA)	UT
EPA 1633	PERFLUORODECANOIC ACID (PFDA)	UT
EPA 1110 A	CORROSIVITY TOWARD STEEL	UT
EPA 1311	PREP: TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)	UT
EPA 160.4	RESIDUE-VOLATILE	UT
EPA 1633	11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID (11CL-PF3OUDS)	UT
EPA 1633	1H, 1H, 2H, 2H-PERFLUOROHEXANE SULFONIC ACID (4:2 FTS)	UT
EPA 1633	2H,2H,3H,3H-PERFLUOROOCTANOIC ACID (5:3 FTCA)	UT
EPA 1633	3-PERFLUOROPROPYL PROPANOIC ACID (3:3 FTCA)	UT
EPA 1633	9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC ACID (9CL-PF3ONS)	UT
EPA 1633	N-ETHYL PERFLUOROOCTANESULFONAMIDE (NETFOSA, ETFOSAM)	UT
EPA 1633	N-ETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (N-ETFOSAA)	UT
EPA 1633	N-METHYL PERFLUOROOCTANESULFONAMIDOETHANOL (NMEFOSE, MEFOSE)	UT
EPA 1633	NONAFLUORO-3,6-DIOXAHEPTANOIC ACID (NFDHA)	UT
EPA 1633	PERFLUORO-1-BUTANESULFONIC ACID (PFBS)	UT
EPA 1633	PERFLUORO-1-HEPTANESULFONIC ACID (PFHPS)	UT
EPA 1633	PERFLUORO-1-NONANESULFONIC ACID (PFNS)	UT
EPA 1633	PERFLUORO-1-OCTANESULFONIC ACID (PFOS)	UT
EPA 1633	PERFLUORO-3-METHOXYPROPANOIC ACID (PFMPA)	UT
EPA 1633	PERFLUOROBUTANOIC ACID (PFBA)	UT
EPA 1633	PERFLUORODODECANESULFONIC ACID (PFDOS)	UT

VELAP Certificate No.: 13183

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 1633	PERFLUORODODECANOIC ACID (PFDOA, PFDODA)	UT
EPA 1633	PERFLUOROHEXANOIC ACID (PFHXA)	UT
EPA 1633	PERFLUOROOCTANOIC ACID (PFOA)	UT
EPA 1633	PERFLUOROTETRADECANOIC ACID (PFTA, PFTDA, PFTEDA)	UT
EPA 1633	PERFLUOROUNDECANOIC ACID (PFUNA, PFUNDA)	UT
EPA 1664 A	TOTAL PETROLEUM HYDROCARBONS (TPH) (AS NONPOLAR MATERIAL, SGT-HEM)	UT
EPA 200.2 REV 2.8	PREP: SAMPLE PREPARATION PROCEDURE FOR SPECTROCHEMICAL DETERMINATION OF TOTAL RECOVERABLE ELEMENTS	UT
EPA 200.7 REV 4.4	ANTIMONY	UT
EPA 200.7 REV 4.4	BARIUM	UT
EPA 200.7 REV 4.4	BORON	UT
EPA 200.7 REV 4.4	CALCIUM	UT
EPA 200.7 REV 4.4	COBALT	UT
EPA 200.7 REV 4.4	IRON	UT
EPA 200.7 REV 4.4	MAGNESIUM	UT
EPA 200.7 REV 4.4	MOLYBDENUM	UT
EPA 200.7 REV 4.4	POTASSIUM	UT
EPA 200.7 REV 4.4	SILICA AS SIO2	UT
EPA 200.7 REV 4.4	SODIUM	UT
EPA 200.7 REV 4.4	TIN	UT
EPA 200.7 REV 4.4	TOTAL HARDNESS AS CACO3	UT
EPA 200.7 REV 4.4	ZINC	UT
EPA 200.8 REV 5.4	ANTIMONY	UT
EPA 200.8 REV 5.4	BARIUM	UT
EPA 200.8 REV 5.4	CADMIUM	UT
EPA 200.8 REV 5.4	COBALT	UT
EPA 200.8 REV 5.4	LEAD	UT
EPA 200.8 REV 5.4	MOLYBDENUM	UT
EPA 200.8 REV 5.4	SELENIUM	UT
EPA 200.8 REV 5.4	THALLIUM	UT
EPA 200.8 REV 5.4	ZINC	UT
EPA 245.1 REV 3	MERCURY	UT
EPA 300.0 REV 2.1	BROMIDE	UT
EPA 1633	PERFLUOROHEPTANOIC ACID (PFHPA)	UT
EPA 1633	PERFLUORONONANOIC ACID (PFNA)	UT
EPA 1633	PERFLUOROPENTANOIC ACID (PFPEA)	UT
EPA 1633	PERFLUOROTRIDECANOIC ACID (PFTRDA)	UT
EPA 1664 A	OIL AND GREASE (AS N-HEXANE EXTRACTABLE MATERIAL (HEM))	UT
EPA 180.1 REV 2	TURBIDITY	UT
EPA 200.7 REV 4.4	ALUMINUM	UT
EPA 200.7 REV 4.4	ARSENIC	UT
EPA 200.7 REV 4.4	BERYLLIUM	UT
EPA 200.7 REV 4.4	CADMIUM	UT
EPA 200.7 REV 4.4	CHROMIUM	UT
EPA 200.7 REV 4.4	COPPER	UT
EPA 200.7 REV 4.4	LEAD	UT
EPA 200.7 REV 4.4	MANGANESE	UT
EPA 200.7 REV 4.4	NICKEL	UT
EPA 200.7 REV 4.4	SELENIUM	UT
EPA 200.7 REV 4.4	SILVER	UT
EPA 200.7 REV 4.4	THALLIUM	UT
EPA 200.7 REV 4.4	TITANIUM	UT
EPA 200.7 REV 4.4	VANADIUM	UT
EPA 200.8 REV 5.4	ALUMINUM	UT
EPA 200.8 REV 5.4	ARSENIC	UT
EPA 200.8 REV 5.4	BERYLLIUM	UT
EPA 200.8 REV 5.4	CHROMIUM	UT
EPA 200.8 REV 5.4	COPPER	UT
EPA 200.8 REV 5.4	MANGANESE	UT
EPA 200.8 REV 5.4	NICKEL	UT
EPA 200.8 REV 5.4	SILVER	UT
EPA 200.8 REV 5.4	VANADIUM	UT
EPA 200.8 REV 5.4 - EXTENDED	MAGNESIUM	UT
EPA 245.2	MERCURY	UT
EPA 300.0 REV 2.1	CHLORIDE	UT

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13183

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 300.0 REV 2.1	FLUORIDE	UT
EPA 300.0 REV 2.1	NITRATE-NITRITE AS N	UT
EPA 300.0 REV 2.1	ORTHOPHOSPHATE AS P	UT
EPA 3005 A	PREP: ACID DIGESTION OF WATERS FOR TOTAL RECOVERABLE OR DISSOLVED METALS	UT
EPA 335.4 REV 1.0	CYANIDE	UT
EPA 351.2 MINUS EPA 350.1	ORGANIC NITROGEN	UT
EPA 3510 C	PREP: LIQUID-LIQUID EXTRACTION	UT
EPA 3535 A	PREP: SOLID PHASE EXTRACTION	UT
EPA 3630 C	PREP: SILICA GEL CLEANUP	UT
EPA 365.4	PHOSPHORUS, TOTAL	UT
EPA 3665 A	SULFURIC ACID/PERMANGANATE CLEAN-UP	UT
EPA 420.4 REV 1	TOTAL PHENOLICS	UT
EPA 6010 D	ALUMINUM	UT
EPA 6010 D	ARSENIC	UT
EPA 6010 D	BERYLLIUM	UT
EPA 6010 D	CADMIUM	UT
EPA 6010 D	CHROMIUM	UT
EPA 6010 D	COPPER	UT
EPA 6010 D	LEAD	UT
EPA 6010 D	MANGANESE	UT
EPA 6010 D	NICKEL	UT
EPA 6010 D	POTASSIUM	UT
EPA 6010 D	SILICA AS SIO2	UT
EPA 6010 D	SODIUM	UT
EPA 6010 D	THALLIUM	UT
EPA 6010 D	TITANIUM	UT
EPA 6010 D	ZINC	UT
EPA 6010 D - EXTENDED	SULFUR	UT
EPA 6020 B	ALUMINUM	UT
EPA 6020 B	ARSENIC	UT
EPA 6020 B	BERYLLIUM	UT
EPA 6020 B	CALCIUM	UT
EPA 6020 B	COBALT	UT
EPA 6020 B	IRON	UT
EPA 6020 B	MAGNESIUM	UT
EPA 6020 B	MOLYBDENUM	UT
EPA 300.0 REV 2.1	NITRATE AS N	UT
EPA 300.0 REV 2.1	NITRITE AS N	UT
EPA 300.0 REV 2.1	SULFATE	UT
EPA 3010 A	PREP: ACID DIGESTION OF AQUEOUS SAMPLES AND EXTRACTS FOR TOTAL METALS	UT
EPA 350.1 REV 2	AMMONIA AS N	UT
EPA 351.2 REV 2	KJELDAHL NITROGEN - TOTAL (TKN)	UT
EPA 353.2 REV 2	NITRATE-NITRITE AS N	UT
EPA 3620 B	PREP: FLORISIL CLEANUP	UT
EPA 3640 A	PREP: GEL PERMEATION CLEANUP	UT
EPA 3660 B	PREP: SULFUR CLEANUP	UT
EPA 410.4 REV 2	CHEMICAL OXYGEN DEMAND (COD)	UT
EPA 5030 B	PREP: PURGE AND TRAP FOR AQUEOUS SAMPLES	UT
EPA 6010 D	ANTIMONY	UT
EPA 6010 D	BARIUM	UT
EPA 6010 D	BORON	UT
EPA 6010 D	CALCIUM	UT
EPA 6010 D	COBALT	UT
EPA 6010 D	IRON	UT
EPA 6010 D	MAGNESIUM	UT
EPA 6010 D	MOLYBDENUM	UT
EPA 6010 D	PHOSPHORUS, TOTAL	UT
EPA 6010 D	SELENIUM	UT
EPA 6010 D	SILVER	UT
EPA 6010 D	STRONTIUM	UT
EPA 6010 D	TIN	UT
EPA 6010 D	VANADIUM	UT
EPA 6010 D - EXTENDED	SILICON	UT
EPA 6010 D - EXTENDED	URANIUM (MASS)	UT
EPA 6020 B	ANTIMONY	UT
EPA 6020 B	BARIUM	UT
EPA 6020 B	CADMIUM	UT
EPA 6020 B	CHROMIUM	UT
EPA 6020 B	COPPER	UT
EPA 6020 B	LEAD	UT
EPA 6020 B	MANGANESE	UT
EPA 6020 B	NICKEL	UT

Scope of Accreditation

VELAP Certificate No.: 13183

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY	METHOD	ANALYTE	PRIMARY
EPA 6020 B	POTASSIUM	UT	EPA 6020 B	SELENIUM	UT
EPA 6020 B	SILVER	UT	EPA 6020 B	SODIUM	UT
EPA 6020 B	THALLIUM	UT	EPA 6020 B	TIN	UT
EPA 6020 B	VANADIUM	UT	EPA 6020 B	ZINC	UT
EPA 6020 B - EXTENDED	BISMUTH	UT	EPA 6020 B - EXTENDED	BORON	UT
EPA 6020 B - EXTENDED	LITHIUM	UT	EPA 6020 B - EXTENDED	STRONTIUM	UT
EPA 6020 B - EXTENDED	THORIUM	UT	EPA 6020 B - EXTENDED	TITANIUM	UT
EPA 6020 B - EXTENDED	URANIUM (MASS)	UT	EPA 6020 B - EXTENDED	ZIRCONIUM	UT
EPA 608.3	4,4'-DDD	UT	EPA 608.3	4,4'-DDE	UT
EPA 608.3	4,4'-DDT	UT	EPA 608.3	ALDRIN	UT
EPA 608.3	ALPHA-BHC (ALPHA-HEXACHLOROCYCLOHEXANE)	UT	EPA 608.3	AROCLOR-1016 (PCB-1016)	UT
EPA 608.3	AROCLOR-1221 (PCB-1221)	UT	EPA 608.3	AROCLOR-1232 (PCB-1232)	UT
EPA 608.3	AROCLOR-1242 (PCB-1242)	UT	EPA 608.3	AROCLOR-1248 (PCB-1248)	UT
EPA 608.3	AROCLOR-1254 (PCB-1254)	UT	EPA 608.3	AROCLOR-1260 (PCB-1260)	UT
EPA 608.3	BETA-BHC (BETA-HEXACHLOROCYCLOHEXANE)	UT	EPA 608.3	CHLORDANE, TOTAL	UT
EPA 608.3	DELTA-BHC	UT	EPA 608.3	DIELDRIN	UT
EPA 608.3	ENDOSULFAN I	UT	EPA 608.3	ENDOSULFAN II	UT
EPA 608.3	ENDOSULFAN SULFATE	UT	EPA 608.3	ENDRIN	UT
EPA 608.3	ENDRIN ALDEHYDE	UT	EPA 608.3	GAMMA-BHC (LINDANE, GAMMA-HEXACHLOROCYCLOHEXANE)	UT
EPA 608.3	HEPTACHLOR	UT	EPA 608.3	HEPTACHLOR EPOXIDE	UT
EPA 608.3	TOXAPHENE (CHLORINATED CAMPHENE)	UT	EPA 624.1	1,1,1-TRICHLOROETHANE	UT
EPA 624.1	1,1,2,2-TETRACHLOROETHANE	UT	EPA 624.1	1,1,2-TRICHLOROETHANE	UT
EPA 624.1	1,1-DICHLOROETHANE	UT	EPA 624.1	1,1-DICHLOROETHYLENE	UT
EPA 624.1	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	UT	EPA 624.1	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	UT
EPA 624.1	1,2-DICHLOROPROPANE	UT	EPA 624.1	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	UT
EPA 624.1	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	UT	EPA 624.1	2-BUTANONE (METHYL ETHYL KETONE, MEK)	UT
EPA 624.1	2-CHLOROETHYL VINYL ETHER	UT	EPA 624.1	ACROLEIN (PROPENAL)	UT
EPA 624.1	ACRYLONITRILE	UT	EPA 624.1	BENZENE	UT
EPA 624.1	BROMODICHLOROMETHANE	UT	EPA 624.1	BROMOFORM	UT
EPA 624.1	CARBON TETRACHLORIDE	UT	EPA 624.1	CHLOROBENZENE	UT
EPA 624.1	CHLORODIBROMOMETHANE	UT	EPA 624.1	CHLOROETHANE (ETHYL CHLORIDE)	UT
EPA 624.1	CHLOROFORM	UT	EPA 624.1	CIS-1,3-DICHLOROPROPENE	UT
EPA 624.1	ETHYLBENZENE	UT			

Scope of Accreditation

VELAP Certificate No.: 13183

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 624.1	ISOPROPYL ALCOHOL (2-PROPANOL, ISOPROPANOL)	UT
EPA 624.1	METHYL CHLORIDE (CHLOROMETHANE)	UT
EPA 624.1	TETRACHLOROETHENE (PERCHLOROETHENE)	UT
EPA 624.1	TRANS-1,2-DICHLOROETHENE	UT
EPA 624.1	TRICHLOROETHENE (TRICHLOROETHYLENE)	UT
EPA 624.1	VINYL CHLORIDE (CHLOROETHENE)	UT
EPA 625.1	1,2,4-TRICHLOROBENZENE	UT
EPA 625.1	2,2'-OXYBIS(1-CHLOROPROPANE)	UT
EPA 625.1	2,4,6-TRICHLOROPHENOL	UT
EPA 625.1	2,4-DIMETHYLPHENOL	UT
EPA 625.1	2,4-DINITROTOLUENE (2,4-DNT)	UT
EPA 625.1	2-CHLORONAPHTHALENE	UT
EPA 625.1	2-METHYL-4,6-DINITROPHENOL (4,6-DINITRO-2-METHYLPHENOL)	UT
EPA 625.1	2-NITROPHENOL	UT
EPA 625.1	4-BROMOPHENYL PHENYL ETHER (BDE-3)	UT
EPA 625.1	4-CHLOROPHENYL PHENYLETHER	UT
EPA 625.1	ACENAPHTHENE	UT
EPA 625.1	ACETOPHENONE	UT
EPA 625.1	ANILINE	UT
EPA 625.1	BENZIDINE	UT
EPA 625.1	BENZO(A)PYRENE	UT
EPA 625.1	BENZO(G,H,I)PERYLENE	UT
EPA 625.1	BIS(2-CHLOROETHOXY)METHANE	UT
EPA 625.1	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	UT
EPA 625.1	CARBAZOLE	UT
EPA 625.1	DI-N-BUTYL PHTHALATE	UT
EPA 625.1	DIBENZO(A,H) ANTHRACENE	UT
EPA 625.1	DIMETHYL PHTHALATE	UT
EPA 625.1	FLUORENE	UT
EPA 625.1	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	UT
EPA 625.1	HEXACHLOROETHANE	UT
EPA 625.1	ISOPHORONE	UT
EPA 625.1	N-NITROSODI-N-PROPYLAMINE	UT
EPA 624.1	METHYL BROMIDE (BROMOMETHANE)	UT
EPA 624.1	METHYLENE CHLORIDE (DICHLOROMETHANE)	UT
EPA 624.1	TOLUENE	UT
EPA 624.1	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	UT
EPA 624.1	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	UT
EPA 624.1	XYLENE (TOTAL)	UT
EPA 625.1	1,2-DIPHENYLHYDRAZINE	UT
EPA 625.1	2,3-DICHLOROANILINE	UT
EPA 625.1	2,4-DICHLOROPHENOL	UT
EPA 625.1	2,4-DINITROPHENOL	UT
EPA 625.1	2,6-DINITROTOLUENE (2,6-DNT)	UT
EPA 625.1	2-CHLOROPHENOL	UT
EPA 625.1	2-METHYLPHENOL (O-CRESOL)	UT
EPA 625.1	3,3'-DICHLOROBENZIDINE	UT
EPA 625.1	4-CHLORO-3-METHYLPHENOL	UT
EPA 625.1	4-NITROPHENOL	UT
EPA 625.1	ACENAPHTHYLENE	UT
EPA 625.1	ALPHA-TERPINEOL	UT
EPA 625.1	ANTHRACENE	UT
EPA 625.1	BENZO(A)ANTHRACENE	UT
EPA 625.1	BENZO(B)FLUORANTHENE	UT
EPA 625.1	BENZO(K)FLUORANTHENE	UT
EPA 625.1	BIS(2-CHLOROETHYL) ETHER	UT
EPA 625.1	BUTYL BENZYL PHTHALATE	UT
EPA 625.1	CHRYSENE	UT
EPA 625.1	DI-N-OCTYL PHTHALATE	UT
EPA 625.1	DIETHYL PHTHALATE	UT
EPA 625.1	FLUORANTHENE	UT
EPA 625.1	HEXACHLOROBENZENE	UT
EPA 625.1	HEXACHLOROCYCLOPENTADIENE	UT
EPA 625.1	INDENO(1,2,3-CD) PYRENE	UT
EPA 625.1	N-DECANE	UT

VELAP Certificate No.: 13183

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 625.1	N-NITROSODIMETHYLAMINE	UT
EPA 625.1	N-OCTADECANE	UT
EPA 625.1	NITROBENZENE	UT
EPA 625.1	PHENANTHRENE	UT
EPA 625.1	PYRENE	UT
EPA 625.1 EXTENDED	4-METHYLPHENOL (P-CRESOL)	UT
EPA 7196 A	CHROMIUM VI	UT
EPA 8011	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	UT
EPA 8011 - EXTENDED	1,2,3-TRICHLOROPROPANE	UT
EPA 8015 C	2-BUTANONE (METHYL ETHYL KETONE, MEK)	UT
EPA 8015 C	ETHANOL	UT
EPA 8015 C	ETHYLENE GLYCOL	UT
EPA 8015 C	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	UT
EPA 8015 C	METHANOL	UT
EPA 8015 D	DIESEL RANGE ORGANICS (DRO)	UT
EPA 8015 D	ETHYL ACETATE	UT
EPA 8015 D	ISOPROPYL ALCOHOL (2-PROPANOL, ISOPROPANOL)	UT
EPA 8015 D - EXTENDED	1-BUTANOL (N-BUTANOL, N-BUTYL ALCOHOL)	UT
EPA 8015 D - EXTENDED	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	UT
EPA 8081 B	4,4'-DDE	UT
EPA 8081 B	ALDRIN	UT
EPA 8081 B	ALPHA-CHLORDANE (CIS-CHLORDANE)	UT
EPA 8081 B	CHLORDANE, TOTAL	UT
EPA 8081 B	DIELDRIN	UT
EPA 8081 B	ENDOSULFAN II	UT
EPA 8081 B	ENDRIN	UT
EPA 8081 B	ENDRIN KETONE	UT
EPA 8081 B	GAMMA-CHLORDANE (TRANS-CHLORDANE)	UT
EPA 8081 B	HEPTACHLOR EPOXIDE	UT
EPA 625.1	N-NITROSODIPHENYLAMINE	UT
EPA 625.1	NAPHTHALENE	UT
EPA 625.1	PENTACHLOROPHENOL	UT
EPA 625.1	PHENOL	UT
EPA 625.1	PYRIDINE	UT
EPA 6850	PERCHLORATE	UT
EPA 7470 A	MERCURY	UT
EPA 8011	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	UT
EPA 8015 C	1-BUTANOL (N-BUTANOL, N-BUTYL ALCOHOL)	UT
EPA 8015 C	DIESEL RANGE ORGANICS (DRO)	UT
EPA 8015 C	ETHYL ACETATE	UT
EPA 8015 C	GASOLINE RANGE ORGANICS (GRO)	UT
EPA 8015 C	ISOPROPYL ALCOHOL (2-PROPANOL, ISOPROPANOL)	UT
EPA 8015 D	2-BUTANONE (METHYL ETHYL KETONE, MEK)	UT
EPA 8015 D	ETHANOL	UT
EPA 8015 D	GASOLINE RANGE ORGANICS (GRO)	UT
EPA 8015 D	METHANOL	UT
EPA 8015 D - EXTENDED	ETHYLENE GLYCOL	UT
EPA 8081 B	4,4'-DDD	UT
EPA 8081 B	4,4'-DDT	UT
EPA 8081 B	ALPHA-BHC (ALPHA-HEXACHLOROCYCLOHEXANE)	UT
EPA 8081 B	BETA-BHC (BETA-HEXACHLOROCYCLOHEXANE)	UT
EPA 8081 B	DELTA-BHC	UT
EPA 8081 B	ENDOSULFAN I	UT
EPA 8081 B	ENDOSULFAN SULFATE	UT
EPA 8081 B	ENDRIN ALDEHYDE	UT
EPA 8081 B	GAMMA-BHC (LINDANE, GAMMA-HEXACHLOROCYCLOHEXANE)	UT
EPA 8081 B	HEPTACHLOR	UT
EPA 8081 B	METHOXYCHLOR	UT

Scope of Accreditation

VELAP Certificate No.: 13183

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8081 B	TOXAPHENE (CHLORINATED CAMPHENE)	UT
EPA 8081 B - EXTENDED	2,4'-DDE	UT
EPA 8081 B - EXTENDED	MIREX	UT
EPA 8082 A	AROCLOR-1016 (PCB-1016)	UT
EPA 8082 A	AROCLOR-1232 (PCB-1232)	UT
EPA 8082 A	AROCLOR-1248 (PCB-1248)	UT
EPA 8082 A	AROCLOR-1260 (PCB-1260)	UT
EPA 8082 A - EXTENDED	AROCLOR-1268 (PCB-1268)	UT
EPA 8151 A	2,4-D	UT
EPA 8151 A	DALAPON	UT
EPA 8151 A	DICHLOROPROP (DICHLORPROP)	UT
EPA 8151 A	MCPA	UT
EPA 8151 A	PENTACHLOROPHENOL	UT
EPA 8260 D	1,1,1,2-TETRACHLOROETHANE	UT
EPA 8260 D	1,1,2,2-TETRACHLOROETHANE	UT
EPA 8260 D	1,1,2-TRICHLOROETHANE	UT
EPA 8260 D	1,1-DICHLOROETHYLENE	UT
EPA 8260 D	1,2,3-TRICHLOROBENZENE	UT
EPA 8260 D	1,2,4-TRICHLOROBENZENE	UT
EPA 8260 D	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	UT
EPA 8260 D	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	UT
EPA 8260 D	1,2-DICHLOROPROPANE	UT
EPA 8260 D	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	UT
EPA 8260 D	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	UT
EPA 8260 D	1-BUTANOL (N-BUTANOL, N-BUTYL ALCOHOL)	UT
EPA 8260 D	2,2-DICHLOROPROPANE	UT
EPA 8260 D	2-CHLOROETHYL VINYL ETHER	UT
EPA 8260 D	2-HEXANONE	UT
EPA 8260 D	2-PENTANONE	UT
EPA 8260 D	4-ISOPROPYLTOLUENE (P-CYMENE, P-ISOPROPYLTOLUENE)	UT
EPA 8260 D	ACETONE	UT
EPA 8260 D	ACROLEIN (PROPENAL)	UT
EPA 8081 B - EXTENDED	2,4'-DDD	UT
EPA 8081 B - EXTENDED	2,4'-DDT	UT
EPA 8081 B - EXTENDED	TRANS-NONACHLOR	UT
EPA 8082 A	AROCLOR-1221 (PCB-1221)	UT
EPA 8082 A	AROCLOR-1242 (PCB-1242)	UT
EPA 8082 A	AROCLOR-1254 (PCB-1254)	UT
EPA 8082 A - EXTENDED	AROCLOR-1262 (PCB-1262)	UT
EPA 8151 A	2,4,5-T	UT
EPA 8151 A	2,4-DB	UT
EPA 8151 A	DICAMBA	UT
EPA 8151 A	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	UT
EPA 8151 A	MCPP	UT
EPA 8151 A	SILVEX (2,4,5-TP)	UT
EPA 8260 D	1,1,1-TRICHLOROETHANE	UT
EPA 8260 D	1,1,2-TRICHLORO-1,2,2-TRIFLUORO ETHANE (FREON 113)	UT
EPA 8260 D	1,1-DICHLOROETHANE	UT
EPA 8260 D	1,1-DICHLOROPROPENE	UT
EPA 8260 D	1,2,3-TRICHLOROPROPANE	UT
EPA 8260 D	1,2,4-TRIMETHYLBENZENE	UT
EPA 8260 D	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	UT
EPA 8260 D	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	UT
EPA 8260 D	1,3,5-TRIMETHYLBENZENE	UT
EPA 8260 D	1,3-DICHLOROPROPANE	UT
EPA 8260 D	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	UT
EPA 8260 D	1-CHLOROHEXANE	UT
EPA 8260 D	2-BUTANONE (METHYL ETHYL KETONE, MEK)	UT
EPA 8260 D	2-CHLOROTOLUENE	UT
EPA 8260 D	2-NITROPROPANE	UT
EPA 8260 D	4-CHLOROTOLUENE	UT
EPA 8260 D	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	UT
EPA 8260 D	ACETONITRILE	UT
EPA 8260 D	ACRYLONITRILE	UT

VELAP Certificate No.: 13183

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8260 D	ALLYL CHLORIDE (3-CHLOROPROPENE)	UT
EPA 8260 D	BENZYL CHLORIDE	UT
EPA 8260 D	BROMOCHLOROMETHANE	UT
EPA 8260 D	BROMOFORM	UT
EPA 8260 D	CARBON TETRACHLORIDE	UT
EPA 8260 D	CHLORODIBROMOMETHANE	UT
EPA 8260 D	CHLOROFORM	UT
EPA 8260 D	CIS-1,2-DICHLOROETHYLENE	UT
EPA 8260 D	CIS-1,4-DICHLORO-2-BUTENE	UT
EPA 8260 D	DI-ISOPROPYLETHER (DIPE, ISOPROPYL ETHER)	UT
EPA 8260 D	DICHLORODIFLUOROMETHANE (FREON-12)	UT
EPA 8260 D	ETHYL ACETATE	UT
EPA 8260 D	ETHYL-T-BUTYLETHER (2-ETHOXY-2-METHYLPROPANE, ETBE)	UT
EPA 8260 D	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	UT
EPA 8260 D	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	UT
EPA 8260 D	ISOPROPYLBENZENE	UT
EPA 8260 D	METHACRYLONITRILE	UT
EPA 8260 D	METHYL BROMIDE (BROMOMETHANE)	UT
EPA 8260 D	METHYL METHACRYLATE	UT
EPA 8260 D	METHYLCYCLOHEXANE	UT
EPA 8260 D	N-BUTYLBENZENE	UT
EPA 8260 D	NAPHTHALENE	UT
EPA 8260 D	PENTACHLOROETHANE	UT
EPA 8260 D	SEC-BUTYLBENZENE	UT
EPA 8260 D	TERT-AMYL METHYL ETHER (TAME)	UT
EPA 8260 D	TERT-BUTYLBENZENE	UT
EPA 8260 D	TOLUENE	UT
EPA 8260 D	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	UT
EPA 8260 D	TRICHLOROETHENE (TRICHLOROETHYLENE)	UT
EPA 8260 D	VINYL ACETATE	UT
EPA 8260 D	BENZENE	UT
EPA 8260 D	BROMOBENZENE	UT
EPA 8260 D	BROMODICHLOROMETHANE	UT
EPA 8260 D	CARBON DISULFIDE	UT
EPA 8260 D	CHLOROBENZENE	UT
EPA 8260 D	CHLOROETHANE (ETHYL CHLORIDE)	UT
EPA 8260 D	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	UT
EPA 8260 D	CIS-1,3-DICHLOROPROPENE	UT
EPA 8260 D	CYCLOHEXANE	UT
EPA 8260 D	DIBROMOMETHANE (METHYLENE BROMIDE)	UT
EPA 8260 D	DIETHYL ETHER	UT
EPA 8260 D	ETHYL METHACRYLATE	UT
EPA 8260 D	ETHYLBENZENE	UT
EPA 8260 D	IODOMETHANE (METHYL IODIDE)	UT
EPA 8260 D	ISOPROPYL ALCOHOL (2-PROPANOL, ISOPROPANOL)	UT
EPA 8260 D	M+P-XYLENE	UT
EPA 8260 D	METHYL ACETATE	UT
EPA 8260 D	METHYL CHLORIDE (CHLOROMETHANE)	UT
EPA 8260 D	METHYL TERT-BUTYL ETHER (MTBE)	UT
EPA 8260 D	METHYLENE CHLORIDE (DICHLOROMETHANE)	UT
EPA 8260 D	N-PROPYLBENZENE	UT
EPA 8260 D	O-XYLENE	UT
EPA 8260 D	PROPIONITRILE (ETHYL CYANIDE)	UT
EPA 8260 D	STYRENE	UT
EPA 8260 D	TERT-BUTYL ALCOHOL (2-METHYL-2-PROPANOL)	UT
EPA 8260 D	TETRACHLOROETHENE (PERCHLOROETHENE)	UT
EPA 8260 D	TRANS-1,2-DICHLOROETHENE	UT
EPA 8260 D	TRANS-1,4-DICHLORO-2-BUTENE	UT
EPA 8260 D	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	UT

Scope of Accreditation

VELAP Certificate No.: 13183

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8260 D	VINYL CHLORIDE (CHLOROETHENE)	UT
EPA 8260 D - EXTENDED	2,2'-OXYBIS(1-CHLOROPROPANE)	UT
EPA 8260 D - EXTENDED	TETRAHYDROFURAN (THF)	UT
EPA 8270 E	1,2,4,5-TETRACHLOROBENZENE	UT
EPA 8270 E	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	UT
EPA 8270 E	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	UT
EPA 8270 E	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	UT
EPA 8270 E	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	UT
EPA 8270 E	1,4-PHENYLENEDIAMINE	UT
EPA 8270 E	1-NAPHTHYLAMINE	UT
EPA 8270 E	2,4,5-TRICHLOROPHENOL	UT
EPA 8270 E	2,4-DICHLOROPHENOL	UT
EPA 8270 E	2,4-DINITROPHENOL	UT
EPA 8270 E	2,6-DICHLOROPHENOL	UT
EPA 8270 E	2-ACETYLAMINOFLUORENE	UT
EPA 8270 E	2-CHLOROPHENOL	UT
EPA 8270 E	2-METHYLNAPHTHALENE	UT
EPA 8270 E	2-NAPHTHYLAMINE	UT
EPA 8270 E	2-NITROPHENOL	UT
EPA 8270 E	3,3'-DICHLOROBENZIDINE	UT
EPA 8270 E	3,3'-DIMETHYLBENZIDINE	UT
EPA 8270 E	3-METHYLPHENOL (M-CRESOL)	UT
EPA 8270 E	4,4'-METHYLENEBIS-2-CHLOROANILINE	UT
EPA 8270 E	4-BROMOPHENYL PHENYL ETHER (BDE-3)	UT
EPA 8270 E	4-CHLOROANILINE	UT
EPA 8270 E	4-METHYLPHENOL (P-CRESOL)	UT
EPA 8270 E	4-NITROPHENOL	UT
EPA 8270 E	5-NITRO-O-TOLUIDINE	UT
EPA 8270 E	A-A-DIMETHYLPHENETHYLAMINE	UT
EPA 8270 E	ACENAPHTHYLENE	UT
EPA 8270 E	ANILINE	UT
EPA 8270 E	ARAMITE	UT
EPA 8270 E	AZOBENZENE	UT
EPA 8270 E	BENZIDINE	UT
EPA 8270 E	BENZO(A)PYRENE	UT
EPA 8260 D	XYLENE (TOTAL)	UT
EPA 8260 D - EXTENDED	CYCLOHEXANONE	UT
EPA 8270 E	1,1'-BIPHENYL (BZ-0)	UT
EPA 8270 E	1,2,4-TRICHLOROBENZENE	UT
EPA 8270 E	1,3,5-TRINITROBENZENE (1,3,5-TNB)	UT
EPA 8270 E	1,3-DINITROBENZENE (1,3-DNB)	UT
EPA 8270 E	1,4-DINITROBENZENE (1,4-DNB)	UT
EPA 8270 E	1,4-NAPHTHOQUINONE	UT
EPA 8270 E	1-METHYLNAPHTHALENE	UT
EPA 8270 E	2,3,4,6-TETRACHLOROPHENOL	UT
EPA 8270 E	2,4,6-TRICHLOROPHENOL	UT
EPA 8270 E	2,4-DIMETHYLPHENOL	UT
EPA 8270 E	2,4-DINITROTOLUENE (2,4-DNT)	UT
EPA 8270 E	2,6-DINITROTOLUENE (2,6-DNT)	UT
EPA 8270 E	2-CHLORONAPHTHALENE	UT
EPA 8270 E	2-METHYL-4,6-DINITROPHENOL (4,6-DINITRO-2-METHYLPHENOL)	UT
EPA 8270 E	2-METHYLPHENOL (O-CRESOL)	UT
EPA 8270 E	2-NITROANILINE	UT
EPA 8270 E	2-PICOLINE (2-METHYLPYRIDINE)	UT
EPA 8270 E	3,3'-DIMETHOXYBENZIDINE	UT
EPA 8270 E	3-METHYLCHOLANTHRENE	UT
EPA 8270 E	3-NITROANILINE	UT
EPA 8270 E	4-AMINOBIPHENYL	UT
EPA 8270 E	4-CHLORO-3-METHYLPHENOL	UT
EPA 8270 E	4-CHLOROPHENYL PHENYLETHER	UT
EPA 8270 E	4-NITROANILINE	UT
EPA 8270 E	4-NITROQUINOLINE-1-OXIDE	UT
EPA 8270 E	7,12-DIMETHYLBENZ(A) ANTHRACENE	UT
EPA 8270 E	ACENAPHTHENE	UT
EPA 8270 E	ACETOPHENONE	UT
EPA 8270 E	ANTHRACENE	UT
EPA 8270 E	ATRAZINE	UT
EPA 8270 E	BENZALDEHYDE	UT
EPA 8270 E	BENZO(A)ANTHRACENE	UT

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8270 E	BENZO(B)FLUORANTHENE	UT
EPA 8270 E	BENZO(K)FLUORANTHENE	UT
EPA 8270 E	BENZYL ALCOHOL	UT
EPA 8270 E	BIS(2-CHLOROETHYL) ETHER	UT
EPA 8270 E	BUTYL BENZYL PHTHALATE	UT
EPA 8270 E	CARBAZOLE	UT
EPA 8270 E	CHRYSENE	UT
EPA 8270 E	DI-N-OCTYL PHTHALATE	UT
EPA 8270 E	DIBENZO(A,E) PYRENE	UT
EPA 8270 E	DIBENZOFURAN	UT
EPA 8270 E	DIMETHOATE	UT
EPA 8270 E	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	UT
EPA 8270 E	DISULFOTON	UT
EPA 8270 E	FAMPHUR	UT
EPA 8270 E	FLUORENE	UT
EPA 8270 E	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	UT
EPA 8270 E	HEXACHLOROETHANE	UT
EPA 8270 E	HEXACHLOROPROPENE	UT
EPA 8270 E	ISODRIN	UT
EPA 8270 E	ISOSAFROLE	UT
EPA 8270 E	METHAPYRILENE	UT
EPA 8270 E	METHYL PARATHION (PARATHION, METHYL)	UT
EPA 8270 E	N-NITROSODI-N-PROPYLAMINE	UT
EPA 8270 E	N-NITROSODIMETHYLAMINE	UT
EPA 8270 E	N-NITROSOMETHYLETHYLAMINE	UT
EPA 8270 E	N-NITROSOPIPERIDINE	UT
EPA 8270 E	NAPHTHALENE	UT
EPA 8270 E	O,O,O-TRIETHYL PHOSPHOROTHIOATE	UT
EPA 8270 E	P-BENZOQUINONE (QUINONE)	UT
EPA 8270 E	PARATHION (PARATHION - ETHYL)	UT
EPA 8270 E	PENTACHLORONITROBENZENE	UT
EPA 8270 E	PHENACETIN	UT
EPA 8270 E	PHENOL	UT
EPA 8270 E	PHTHALIC ANHYDRIDE	UT
EPA 8270 E	PYRENE	UT
EPA 8270 E	BENZO(G,H,I)PERYLENE	UT
EPA 8270 E	BENZOIC ACID	UT
EPA 8270 E	BIS(2-CHLOROETHOXY)METHANE	UT
EPA 8270 E	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	UT
EPA 8270 E	CAPROLACTAM	UT
EPA 8270 E	CHLOROBENZILATE	UT
EPA 8270 E	DI-N-BUTYL PHTHALATE	UT
EPA 8270 E	DIALLATE	UT
EPA 8270 E	DIBENZO(A,H) ANTHRACENE	UT
EPA 8270 E	DIETHYL PHTHALATE	UT
EPA 8270 E	DIMETHYL PHTHALATE	UT
EPA 8270 E	DIPHENYLAMINE	UT
EPA 8270 E	ETHYL METHANESULFONATE	UT
EPA 8270 E	FLUORANTHENE	UT
EPA 8270 E	HEXACHLOROBENZENE	UT
EPA 8270 E	HEXACHLOROCYCLOPENTADIENE	UT
EPA 8270 E	HEXACHLOROPHENE	UT
EPA 8270 E	INDENO(1,2,3-CD) PYRENE	UT
EPA 8270 E	ISOPHORONE	UT
EPA 8270 E	KEPONE	UT
EPA 8270 E	METHYL METHANESULFONATE	UT
EPA 8270 E	N-NITROSO-DI-N-BUTYLAMINE	UT
EPA 8270 E	N-NITROSODIETHYLAMINE	UT
EPA 8270 E	N-NITROSODIPHENYLAMINE	UT
EPA 8270 E	N-NITROSOMORPHOLINE	UT
EPA 8270 E	N-NITROSOPYRROLIDINE	UT
EPA 8270 E	NITROBENZENE	UT
EPA 8270 E	O-TOLUIDINE (2-METHYLANILINE)	UT
EPA 8270 E	P-CRESIDINE	UT
EPA 8270 E	PENTACHLOROBENZENE	UT
EPA 8270 E	PENTACHLOROPHENOL	UT
EPA 8270 E	PHENANTHRENE	UT
EPA 8270 E	PHORATE	UT
EPA 8270 E	PRONAMIDE (KERB)	UT
EPA 8270 E	PYRIDINE	UT

Scope of Accreditation

VELAP Certificate No.: 13183

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 8270 E	SAFROLE	UT
EPA 8270 E	THIONAZIN (ZINOPHOS, DIETHYL-O-2-PYRAZINYL PHOSPHOROTHIONATE)	UT
EPA 8270 E - EXTENDED	2,3-DICHLOROANILINE	UT
EPA 8270 E - EXTENDED	ALPHA-TERPINEOL	UT
EPA 8270 E - EXTENDED	N-OCTADECANE	UT
EPA 8270 E - EXTENDED	PROMETON	UT
EPA 8270 E SIM	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	UT
EPA 8270 E SIM	2-METHYLNAPHTHALENE	UT
EPA 8270 E SIM	ACENAPHTHYLENE	UT
EPA 8270 E SIM	BENZO(A)ANTHRACENE	UT
EPA 8270 E SIM	BENZO(B)FLUORANTHENE	UT
EPA 8270 E SIM	BENZO(K)FLUORANTHENE	UT
EPA 8270 E SIM	DIBENZO(A,H) ANTHRACENE	UT
EPA 8270 E SIM	FLUORENE	UT
EPA 8270 E SIM	NAPHTHALENE	UT
EPA 8270 E SIM	PYRENE	UT
EPA 8330 B	1,3-DINITROBENZENE (1,3-DNB)	UT
EPA 8330 B	2,4-DINITROTOLUENE (2,4-DNT)	UT
EPA 8330 B	2-AMINO-4,6-DINITROTOLUENE (2-AM-DNT)	UT
EPA 8330 B	3,5-DINITROANILINE	UT
EPA 8330 B	4-AMINO-2,6-DINITROTOLUENE (4-AM-DNT)	UT
EPA 8330 B	METHYL-2,4,6-TRINITROPHENYLNITRAMINE (TETRYL)	UT
EPA 8330 B	NITROGLYCERIN	UT
EPA 8330 B	PENTAERYTHRITOLTETRANITRATE (PETN)	UT
EPA 900.0	GROSS ALPHA	UT
EPA 901.1	GAMMA EMITTERS	UT
EPA 9012 B	CYANIDE, AMENABLE	UT
EPA 9020 B	TOTAL ORGANIC HALIDES (TOX)	UT
EPA 903.1	RADIUM-226	UT
EPA 9034	TOTAL SULFIDES	UT
EPA 9040 C	PH	UT
EPA 905.0	STRONTIUM-90	UT
EPA 9056 A	BROMIDE	UT
EPA 8270 E	SULFOTEP (TETRAETHYL DITHIOPYROPHOSPHATE, TEDP)	UT
EPA 8270 E - EXTENDED	2,2'-OXYBIS(1-CHLOROPROPANE)	UT
EPA 8270 E - EXTENDED	4-DIMETHYL AMINOAZOBENZENE	UT
EPA 8270 E - EXTENDED	N-DECANE	UT
EPA 8270 E - EXTENDED	PENTACHLOROETHANE	UT
EPA 8270 E - EXTENDED	TRIBUTYL PHOSPHATE	UT
EPA 8270 E SIM	1-METHYLNAPHTHALENE	UT
EPA 8270 E SIM	ACENAPHTHENE	UT
EPA 8270 E SIM	ANTHRACENE	UT
EPA 8270 E SIM	BENZO(A)PYRENE	UT
EPA 8270 E SIM	BENZO(G,H,I)PERYLENE	UT
EPA 8270 E SIM	CHRYSENE	UT
EPA 8270 E SIM	FLUORANTHENE	UT
EPA 8270 E SIM	INDENO(1,2,3-CD) PYRENE	UT
EPA 8270 E SIM	PHENANTHRENE	UT
EPA 8330 B	1,3,5-TRINITROBENZENE (1,3,5-TNB)	UT
EPA 8330 B	2,4,6-TRINITROTOLUENE (2,4,6-TNT)	UT
EPA 8330 B	2,6-DINITROTOLUENE (2,6-DNT)	UT
EPA 8330 B	2-NITROTOLUENE	UT
EPA 8330 B	3-NITROTOLUENE	UT
EPA 8330 B	4-NITROTOLUENE	UT
EPA 8330 B	NITROBENZENE	UT
EPA 8330 B	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UT
EPA 8330 B	RDX (HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE)	UT
EPA 900.0	GROSS BETA	UT
EPA 9010 C	PREP: CYANIDE DISTILLATION	UT
EPA 9012 B	CYANIDE, TOTAL	UT
EPA 903.0	TOTAL ALPHA RADIUM	UT
EPA 9030 B	PREP: SULFIDE	UT
EPA 904.0	RADIUM-228	UT
EPA 905.0	STRONTIUM-89	UT
EPA 9050 A	CONDUCTIVITY	UT
EPA 9056 A	CHLORIDE	UT

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13183

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY
EPA 9056 A	FLUORIDE	UT
EPA 9056 A	NITRITE AS N	UT
EPA 9056 A	SULFATE	UT
EPA 906.0	TRITIUM	UT
EPA 9066	TOTAL PHENOLICS	UT
EPA 9310	GROSS BETA	UT
EPA 9320	RADIUM-228	UT
RSK-175	ETHENE (ETHYLENE)	UT
SM 2120 B-2011	COLOR	UT
SM 2310 B-2011	ACIDITY, AS CACO3	UT
SM 2340 B-2011	TOTAL HARDNESS AS CACO3	UT
SM 2510 B-2011	CONDUCTIVITY	UT
SM 2540 C-2015	RESIDUE-FILTERABLE (TDS)	UT
SM 3500-CR B-2011	CHROMIUM VI	UT
SM 4500-CN^- G-2016	CYANIDE, AVAILABLE	UT
SM 4500-NH3 H-2011	AMMONIA AS N	UT
SM 4500-$S2^-$ D-2011	SULFIDE	UT
SM 5210 B-2016	CARBONACEOUS BOD (CBOD)	UT
SM 5540 C-2011	SURFACTANTS - MBAS	UT

METHOD	ANALYTE	PRIMARY
EPA 9056 A	NITRATE AS N	UT
EPA 9056 A	ORTHOPHOSPHATE AS P	UT
EPA 9056 A - EXTENDED	NITRATE-NITRITE AS N	UT
EPA 9060 A	TOTAL ORGANIC CARBON (TOC)	UT
EPA 9310	GROSS ALPHA	UT
EPA 9315	TOTAL ALPHA RADIUM	UT
RSK-175	ETHANE	UT
RSK-175	METHANE	UT
SM 2130 B-2011	TURBIDITY	UT
SM 2320 B-2011	ALKALINITY AS CACO3	UT
SM 2340 C-2011	TOTAL HARDNESS AS CACO3	UT
SM 2540 B-2015	RESIDUE-TOTAL (TS)	UT
SM 2540 D-2015	RESIDUE-NONFILTERABLE (TSS)	UT
SM 4500-CN^- C-2016	PREP: CYANIDE DISTILLATION	UT
SM 4500-NH3 B-2011	AMMONIA AS N	UT
SM 4500-NORG D-2011	KJELDAHL NITROGEN - TOTAL (TKN)	UT
SM 5210 B-2016	BIOCHEMICAL OXYGEN DEMAND (BOD)	UT
SM 5310 B-2014	TOTAL ORGANIC CARBON (TOC)	UT

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 1020 B	FLASHPOINT	UT
EPA 1311	PREP: TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)	UT
EPA 1633	11-CHLOROEICOSAFLUORO-3-OXA UNDECANE-1-SULFONIC ACID (11CL-PF3OUDS)	UT
EPA 1633	1H, 1H, 2H, 2H-PERFLUOROHEXANE SULFONIC ACID (4:2 FTS)	UT
EPA 1633	2H,2H,3H,3H-PERFLUOROOCTANOIC ACID (5:3 FTCA)	UT
EPA 1633	3-PERFLUOROPROPYL PROPANOIC ACID (3:3 FTCA)	UT
EPA 1633	9-CHLOROHEXADECAFLUORO-3-OX ANONANE-1-SULFONIC ACID (9CL-PF3ONS)	UT
EPA 1633	N-ETHYL PERFLUOROOCTANESULFONAMIDE (NETFOSA, ETFOSAM)	UT

METHOD	ANALYTE	PRIMARY
EPA 1110 A	CORROSIVITY TOWARD STEEL	UT
EPA 1312	PREP: SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP)	UT
EPA 1633	1H, 1H, 2H, 2H-PERFLUORODECANE SULFONIC ACID (8:2 FTS)	UT
EPA 1633	1H, 1H, 2H, 2H-PERFLUOROOCTANE SULFONIC ACID (6:2 FTS)	UT
EPA 1633	3-PERFLUOROHEPTYL PROPANOIC ACID (7:3 FTCA)	UT
EPA 1633	4,8-DIOXA-3H-PERFLUORONONANOIC ACID (ADONA, DONA)	UT
EPA 1633	HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA, GENX)	UT
EPA 1633	N-ETHYL PERFLUOROOCTANESULFONAMIDOETHANOL (NETFOSE, ETFOSE)	UT

VELAP Certificate No.: 13183

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 1633	N-ETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (N-ETFOSAA)	UT
EPA 1633	N-METHYL PERFLUOROOCTANESULFONAMIDOETHANOL (NMEFOSE, MEFOSE)	UT
EPA 1633	NONAFLUORO-3,6-DIOXAHEPTANOIC ACID (NFDHA)	UT
EPA 1633	PERFLUORO-1-BUTANESULFONIC ACID (PFBS)	UT
EPA 1633	PERFLUORO-1-HEPTANESULFONIC ACID (PFHPS)	UT
EPA 1633	PERFLUORO-1-NONANESULFONIC ACID (PFNS)	UT
EPA 1633	PERFLUORO-1-OCTANESULFONIC ACID (PFOS)	UT
EPA 1633	PERFLUORO-3-METHOXYPROPANOIC ACID (PFMPA)	UT
EPA 1633	PERFLUOROBUTANOIC ACID (PFBA)	UT
EPA 1633	PERFLUORODODECANESULFONIC ACID (PFDOS)	UT
EPA 1633	PERFLUOROHEPTANOIC ACID (PFHPA)	UT
EPA 1633	PERFLUORONONANOIC ACID (PFNA)	UT
EPA 1633	PERFLUOROPENTANOIC ACID (PFPEA)	UT
EPA 1633	PERFLUOROTRIDECANOIC ACID (PFTRDA)	UT
EPA 3050 B	PREP: ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS	UT
EPA 3541	PREP: AUTOMATED SOXHLET EXTRACTION	UT
EPA 3550 C	PREP: ULTRASONIC EXTRACTION	UT
EPA 3585	PREP: WASTE DILUTION FOR VOLATILE ORGANICS	UT
EPA 3630 C	PREP: SILICA GEL CLEANUP	UT
EPA 3665 A	SULFURIC ACID/PERMANGANATE CLEAN-UP	UT
EPA 5035 A	PREP: CLOSED-SYSTEM PURGE AND TRAP AND EXTRACTION	UT
EPA 6010 D	ALUMINUM	UT
EPA 6010 D	ARSENIC	UT
EPA 6010 D	BERYLLIUM	UT
EPA 6010 D	CADMIUM	UT
EPA 6010 D	CHROMIUM	UT
EPA 6010 D	COPPER	UT
EPA 6010 D	LEAD	UT
EPA 1633	N-METHYL PERFLUOROOCTANESULFONAMIDE (NMEFOSA, MEFOSA)	UT
EPA 1633	N-METHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (N-MEFOSAA)	UT
EPA 1633	PERFLUORO(2-ETHOXYETHANE)SULFONIC ACID (PFEESA)	UT
EPA 1633	PERFLUORO-1-DECANESULFONIC ACID (PFDS)	UT
EPA 1633	PERFLUORO-1-HEXANESULFONIC ACID (PFHXS)	UT
EPA 1633	PERFLUORO-1-OCTANESULFONAMIDE (PFOSA, PFOSAM)	UT
EPA 1633	PERFLUORO-1-PENTANESULFONIC ACID (PFPES)	UT
EPA 1633	PERFLUORO-4-METHOXYBUTANOIC ACID (PFMBA)	UT
EPA 1633	PERFLUORODECANOIC ACID (PFDA)	UT
EPA 1633	PERFLUORODODECANOIC ACID (PFDOA, PFDODA)	UT
EPA 1633	PERFLUOROHEXANOIC ACID (PFHXA)	UT
EPA 1633	PERFLUOROOCTANOIC ACID (PFOA)	UT
EPA 1633	PERFLUOROTETRADECANOIC ACID (PFTA, PFTDA, PFTEDA)	UT
EPA 1633	PERFLUOROUNDECANOIC ACID (PFUNA, PFUNDA)	UT
EPA 3060 A	PREP: HEXAVALENT CHROMIUM	UT
EPA 3550 B	PREP: ULTRASONIC EXTRACTION	UT
EPA 3580 A	PREP: WASTE DILUTION	UT
EPA 3620 B	PREP: FLORISIL CLEANUP	UT
EPA 3640 A	PREP: GEL PERMEATION CLEANUP	UT
EPA 5035	PREP: CLOSED-SYSTEM PURGE AND TRAP AND EXTRACTION	UT
EPA 5050	PREP: BOMB PREPARATION	UT
EPA 6010 D	ANTIMONY	UT
EPA 6010 D	BARIUM	UT
EPA 6010 D	BORON	UT
EPA 6010 D	CALCIUM	UT
EPA 6010 D	COBALT	UT
EPA 6010 D	IRON	UT
EPA 6010 D	MAGNESIUM	UT

VELAP Certificate No.: 13183

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 6010 D	MANGANESE	UT
EPA 6010 D	NICKEL	UT
EPA 6010 D	POTASSIUM	UT
EPA 6010 D	SILICA AS SIO2	UT
EPA 6010 D	SODIUM	UT
EPA 6010 D	THALLIUM	UT
EPA 6010 D	TITANIUM	UT
EPA 6010 D	ZINC	UT
EPA 6010 D - EXTENDED	SULFUR	UT
EPA 6020 B	ALUMINUM	UT
EPA 6020 B	BARIUM	UT
EPA 6020 B	CADMIUM	UT
EPA 6020 B	CHROMIUM	UT
EPA 6020 B	COPPER	UT
EPA 6020 B	LEAD	UT
EPA 6020 B	MANGANESE	UT
EPA 6020 B	NICKEL	UT
EPA 6020 B	SELENIUM	UT
EPA 6020 B	THALLIUM	UT
EPA 6020 B	ZINC	UT
EPA 6020 B - EXTENDED	BORON	UT
EPA 6020 B - EXTENDED	STRONTIUM	UT
EPA 6020 B - EXTENDED	TITANIUM	UT
EPA 6020 B - EXTENDED	URANIUM (MASS)	UT
EPA 6850	PERCHLORATE	UT
EPA 7470 A	MERCURY	UT
EPA 8015 C	1-BUTANOL (N-BUTANOL, N-BUTYL ALCOHOL)	UT
EPA 8015 C	ETHANOL	UT
EPA 8015 C	ETHYLENE GLYCOL	UT
EPA 8015 C	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	UT
EPA 8015 C	METHANOL	UT
EPA 8015 D	ETHANOL	UT
EPA 8015 D	GASOLINE RANGE ORGANICS (GRO)	UT
EPA 8015 D	METHANOL	UT
EPA 8015 D - EXTENDED	ETHYLENE GLYCOL	UT
EPA 8081 B	4,4'-DDD	UT
EPA 6010 D	MOLYBDENUM	UT
EPA 6010 D	PHOSPHORUS, TOTAL	UT
EPA 6010 D	SELENIUM	UT
EPA 6010 D	SILVER	UT
EPA 6010 D	STRONTIUM	UT
EPA 6010 D	TIN	UT
EPA 6010 D	VANADIUM	UT
EPA 6010 D - EXTENDED	SILICON	UT
EPA 6010 D - EXTENDED	URANIUM (MASS)	UT
EPA 6020 B	ARSENIC	UT
EPA 6020 B	BERYLLIUM	UT
EPA 6020 B	CALCIUM	UT
EPA 6020 B	COBALT	UT
EPA 6020 B	IRON	UT
EPA 6020 B	MAGNESIUM	UT
EPA 6020 B	MOLYBDENUM	UT
EPA 6020 B	POTASSIUM	UT
EPA 6020 B	SODIUM	UT
EPA 6020 B	VANADIUM	UT
EPA 6020 B - EXTENDED	BISMUTH	UT
EPA 6020 B - EXTENDED	LITHIUM	UT
EPA 6020 B - EXTENDED	THORIUM	UT
EPA 6020 B - EXTENDED	TUNGSTEN	UT
EPA 6020 B - EXTENDED	ZIRCONIUM	UT
EPA 7196 A	CHROMIUM VI	UT
EPA 7471 B	MERCURY	UT
EPA 8015 C	DIESEL RANGE ORGANICS (DRO)	UT
EPA 8015 C	ETHYL ACETATE	UT
EPA 8015 C	GASOLINE RANGE ORGANICS (GRO)	UT
EPA 8015 C	ISOPROPYL ALCOHOL (2-PROPANOL, ISOPROPANOL)	UT
EPA 8015 D	DIESEL RANGE ORGANICS (DRO)	UT
EPA 8015 D	ETHYL ACETATE	UT
EPA 8015 D	ISOPROPYL ALCOHOL (2-PROPANOL, ISOPROPANOL)	UT
EPA 8015 D - EXTENDED	1-BUTANOL (N-BUTANOL, N-BUTYL ALCOHOL)	UT
EPA 8015 D - EXTENDED	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	UT
EPA 8081 B	4,4'-DDE	UT

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13183

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8081 B	4,4'-DDT	UT
EPA 8081 B	ALPHA-BHC (ALPHA-HEXACHLOROCYCLOHEXANE)	UT
EPA 8081 B	BETA-BHC (BETA-HEXACHLOROCYCLOHEXANE)	UT
EPA 8081 B	DELTA-BHC	UT
EPA 8081 B	ENDOSULFAN I	UT
EPA 8081 B	ENDOSULFAN SULFATE	UT
EPA 8081 B	ENDRIN ALDEHYDE	UT
EPA 8081 B	GAMMA-BHC (LINDANE, GAMMA-HEXACHLOROCYCLOHEXANE)	UT
EPA 8081 B	HEPTACHLOR	UT
EPA 8081 B	METHOXYCHLOR	UT
EPA 8081 B - EXTENDED	2,4'-DDD	UT
EPA 8081 B - EXTENDED	2,4'-DDT	UT
EPA 8081 B - EXTENDED	TRANS-NONACHLOR	UT
EPA 8082 A	AROCLOR-1221 (PCB-1221)	UT
EPA 8082 A	AROCLOR-1242 (PCB-1242)	UT
EPA 8082 A	AROCLOR-1254 (PCB-1254)	UT
EPA 8082 A - EXTENDED	AROCLOR-1262 (PCB-1262)	UT
EPA 8151 A	2,4,5-T	UT
EPA 8151 A	2,4-DB	UT
EPA 8151 A	DICAMBA	UT
EPA 8151 A	DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL, DNBP)	UT
EPA 8151 A	MCPP	UT
EPA 8151 A	SILVEX (2,4,5-TP)	UT
EPA 8260 D	1,1,1-TRICHLOROETHANE	UT
EPA 8260 D	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113)	UT
EPA 8260 D	1,1-DICHLOROETHANE	UT
EPA 8260 D	1,1-DICHLOROPROPENE	UT
EPA 8260 D	1,2,3-TRICHLOROPROPANE	UT
EPA 8260 D	1,2,4-TRIMETHYLBENZENE	UT
EPA 8260 D	1,2-DIBROMOETHANE (EDB, ETHYLENE DIBROMIDE)	UT
EPA 8260 D	1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	UT
EPA 8260 D	1,3,5-TRIMETHYLBENZENE	UT
EPA 8081 B	ALDRIN	UT
EPA 8081 B	ALPHA-CHLORDANE (CIS-CHLORDANE)	UT
EPA 8081 B	CHLORDANE, TOTAL	UT
EPA 8081 B	DIELDRIN	UT
EPA 8081 B	ENDOSULFAN II	UT
EPA 8081 B	ENDRIN	UT
EPA 8081 B	ENDRIN KETONE	UT
EPA 8081 B	GAMMA-CHLORDANE (TRANS-CHLORDANE)	UT
EPA 8081 B	HEPTACHLOR EPOXIDE	UT
EPA 8081 B	TOXAPHENE (CHLORINATED CAMPHENE)	UT
EPA 8081 B - EXTENDED	2,4'-DDE	UT
EPA 8081 B - EXTENDED	MIREX	UT
EPA 8082 A	AROCLOR-1016 (PCB-1016)	UT
EPA 8082 A	AROCLOR-1232 (PCB-1232)	UT
EPA 8082 A	AROCLOR-1248 (PCB-1248)	UT
EPA 8082 A	AROCLOR-1260 (PCB-1260)	UT
EPA 8082 A - EXTENDED	AROCLOR-1268 (PCB-1268)	UT
EPA 8151 A	2,4-D	UT
EPA 8151 A	DALAPON	UT
EPA 8151 A	DICHLOROPROP (DICHLORPROP)	UT
EPA 8151 A	MCPA	UT
EPA 8151 A	PENTACHLOROPHENOL	UT
EPA 8260 D	1,1,1,2-TETRACHLOROETHANE	UT
EPA 8260 D	1,1,2,2-TETRACHLOROETHANE	UT
EPA 8260 D	1,1,2-TRICHLOROETHANE	UT
EPA 8260 D	1,1-DICHLOROETHYLENE	UT
EPA 8260 D	1,2,3-TRICHLOROBENZENE	UT
EPA 8260 D	1,2,4-TRICHLOROBENZENE	UT
EPA 8260 D	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	UT
EPA 8260 D	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	UT
EPA 8260 D	1,2-DICHLOROPROPANE	UT

VELAP Certificate No.: 13183

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8260 D	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	UT
EPA 8260 D	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	UT
EPA 8260 D	1-BUTANOL (N-BUTANOL, N-BUTYL ALCOHOL)	UT
EPA 8260 D	2,2-DICHLOROPROPANE	UT
EPA 8260 D	2-CHLOROETHYL VINYL ETHER	UT
EPA 8260 D	2-HEXANONE	UT
EPA 8260 D	2-PENTANONE	UT
EPA 8260 D	4-ISOPROPYLTOLUENE (P-CYMENE, P-ISOPROPYLTOLUENE)	UT
EPA 8260 D	ACETONE	UT
EPA 8260 D	ACROLEIN (PROPENAL)	UT
EPA 8260 D	ALLYL CHLORIDE (3-CHLOROPROPENE)	UT
EPA 8260 D	BENZYL CHLORIDE	UT
EPA 8260 D	BROMOCHLOROMETHANE	UT
EPA 8260 D	BROMOFORM	UT
EPA 8260 D	CARBON TETRACHLORIDE	UT
EPA 8260 D	CHLORODIBROMOMETHANE	UT
EPA 8260 D	CHLOROFORM	UT
EPA 8260 D	CIS-1,2-DICHLOROETHYLENE	UT
EPA 8260 D	CIS-1,4-DICHLORO-2-BUTENE	UT
EPA 8260 D	DI-ISOPROPYLETHER (DIPE, ISOPROPYL ETHER)	UT
EPA 8260 D	DICHLORODIFLUOROMETHANE (FREON-12)	UT
EPA 8260 D	ETHYL ACETATE	UT
EPA 8260 D	ETHYL-T-BUTYLETHER (2-ETHOXY-2-METHYLPROPANE, ETBE)	UT
EPA 8260 D	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	UT
EPA 8260 D	ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	UT
EPA 8260 D	ISOPROPYLBENZENE	UT
EPA 8260 D	METHACRYLONITRILE	UT
EPA 8260 D	METHYL BROMIDE (BROMOMETHANE)	UT
EPA 8260 D	METHYL METHACRYLATE	UT
EPA 8260 D	METHYLCYCLOHEXANE	UT
EPA 8260 D	1,3-DICHLOROPROPANE	UT
EPA 8260 D	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	UT
EPA 8260 D	1-CHLOROHEXANE	UT
EPA 8260 D	2-BUTANONE (METHYL ETHYL KETONE, MEK)	UT
EPA 8260 D	2-CHLOROTOLUENE	UT
EPA 8260 D	2-NITROPROPANE	UT
EPA 8260 D	4-CHLOROTOLUENE	UT
EPA 8260 D	4-METHYL-2-PENTANONE (METHYL ISOBUTYL KETONE, MIBK)	UT
EPA 8260 D	ACETONITRILE	UT
EPA 8260 D	ACRYLONITRILE	UT
EPA 8260 D	BENZENE	UT
EPA 8260 D	BROMOBENZENE	UT
EPA 8260 D	BROMODICHLOROMETHANE	UT
EPA 8260 D	CARBON DISULFIDE	UT
EPA 8260 D	CHLOROBENZENE	UT
EPA 8260 D	CHLOROETHANE (ETHYL CHLORIDE)	UT
EPA 8260 D	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	UT
EPA 8260 D	CIS-1,3-DICHLOROPROPENE	UT
EPA 8260 D	CYCLOHEXANE	UT
EPA 8260 D	DIBROMOMETHANE (METHYLENE BROMIDE)	UT
EPA 8260 D	DIETHYL ETHER	UT
EPA 8260 D	ETHYL METHACRYLATE	UT
EPA 8260 D	ETHYLBENZENE	UT
EPA 8260 D	IODOMETHANE (METHYL IODIDE)	UT
EPA 8260 D	ISOPROPYL ALCOHOL (2-PROPANOL, ISOPROPANOL)	UT
EPA 8260 D	M+P-XYLENE	UT
EPA 8260 D	METHYL ACETATE	UT
EPA 8260 D	METHYL CHLORIDE (CHLOROMETHANE)	UT
EPA 8260 D	METHYL TERT-BUTYL ETHER (MTBE)	UT

VELAP Certificate No.: 13183

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8260 D	METHYLENE CHLORIDE (DICHLOROMETHANE)	UT
EPA 8260 D	N-PROPYLBENZENE	UT
EPA 8260 D	O-XYLENE	UT
EPA 8260 D	PROPIONITRILE (ETHYL CYANIDE)	UT
EPA 8260 D	STYRENE	UT
EPA 8260 D	TERT-BUTYL ALCOHOL (2-METHYL-2-PROPANOL)	UT
EPA 8260 D	TETRACHLOROETHENE (PERCHLOROETHENE)	UT
EPA 8260 D	TRANS-1,2-DICHLOROETHENE	UT
EPA 8260 D	TRANS-1,4-DICHLORO-2-BUTENE	UT
EPA 8260 D	TRICHLOROFLUOROMETHANE (FLUOROTRICHLOROMETHANE, FREON 11)	UT
EPA 8260 D	VINYL CHLORIDE (CHLOROETHENE)	UT
EPA 8260 D - EXTENDED	CYCLOHEXANONE	UT
EPA 8270 D SIM - EXTENDED	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	UT
EPA 8270 E	1,2,4,5-TETRACHLOROBENZENE	UT
EPA 8270 E	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	UT
EPA 8270 E	1,3,5-TRINITROBENZENE (1,3,5-TNB)	UT
EPA 8270 E	1,3-DINITROBENZENE (1,3-DNB)	UT
EPA 8270 E	1,4-DINITROBENZENE (1,4-DNB)	UT
EPA 8270 E	1,4-NAPHTHOQUINONE	UT
EPA 8270 E	1-METHYLNAPHTHALENE	UT
EPA 8270 E	2,3,4,6-TETRACHLOROPHENOL	UT
EPA 8270 E	2,4,6-TRICHLOROPHENOL	UT
EPA 8270 E	2,4-DIMETHYLPHENOL	UT
EPA 8270 E	2,4-DINITROTOLUENE (2,4-DNT)	UT
EPA 8270 E	2,6-DINITROTOLUENE (2,6-DNT)	UT
EPA 8270 E	2-CHLORONAPHTHALENE	UT
EPA 8270 E	2-METHYL-4,6-DINITROPHENOL (4,6-DINITRO-2-METHYLPHENOL)	UT
EPA 8270 E	2-METHYLPHENOL (O-CRESOL)	UT
EPA 8270 E	2-NITROANILINE	UT
EPA 8270 E	2-PICOLINE (2-METHYLPYRIDINE)	UT
EPA 8270 E	3,3'-DIMETHOXYBENZIDINE	UT
EPA 8270 E	3-METHYLCHOLANTHRENE	UT
EPA 8260 D	N-BUTYLBENZENE	UT
EPA 8260 D	NAPHTHALENE	UT
EPA 8260 D	PENTACHLOROETHANE	UT
EPA 8260 D	SEC-BUTYLBENZENE	UT
EPA 8260 D	TERT-AMYL METHYL ETHER (TAME)	UT
EPA 8260 D	TERT-BUTYLBENZENE	UT
EPA 8260 D	TOLUENE	UT
EPA 8260 D	TRANS-1,3-DICHLOROPROPENE (TRANS-1,3-DICHLOROPROPYLENE)	UT
EPA 8260 D	TRICHLOROETHENE (TRICHLOROETHYLENE)	UT
EPA 8260 D	VINYL ACETATE	UT
EPA 8260 D	XYLENE (TOTAL)	UT
EPA 8260 D - EXTENDED	TETRAHYDROFURAN (THF)	UT
EPA 8270 E	1,1'-BIPHENYL (BZ-0)	UT
EPA 8270 E	1,2,4-TRICHLOROBENZENE	UT
EPA 8270 E	1,2-DIPHENYLHYDRAZINE	UT
EPA 8270 E	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	UT
EPA 8270 E	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	UT
EPA 8270 E	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	UT
EPA 8270 E	1,4-PHENYLENEDIAMINE	UT
EPA 8270 E	1-NAPHTHYLAMINE	UT
EPA 8270 E	2,4,5-TRICHLOROPHENOL	UT
EPA 8270 E	2,4-DICHLOROPHENOL	UT
EPA 8270 E	2,4-DINITROPHENOL	UT
EPA 8270 E	2,6-DICHLOROPHENOL	UT
EPA 8270 E	2-ACETYLAMINOFLUORENE	UT
EPA 8270 E	2-CHLOROPHENOL	UT
EPA 8270 E	2-METHYLNAPHTHALENE	UT
EPA 8270 E	2-NAPHTHYLAMINE	UT
EPA 8270 E	2-NITROPHENOL	UT
EPA 8270 E	3,3'-DICHLOROBENZIDINE	UT
EPA 8270 E	3,3'-DIMETHYLBENZIDINE	UT
EPA 8270 E	3-METHYLPHENOL (M-CRESOL)	UT

VELAP Certificate No.: 13183

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8270 E	3-NITROANILINE	UT
EPA 8270 E	4-AMINOBIPHENYL	UT
EPA 8270 E	4-CHLORO-3-METHYLPHENOL	UT
EPA 8270 E	4-CHLOROPHENYL PHENYLETHER	UT
EPA 8270 E	4-NITROANILINE	UT
EPA 8270 E	4-NITROQUINOLINE-1-OXIDE	UT
EPA 8270 E	7,12-DIMETHYLBENZ(A) ANTHRACENE	UT
EPA 8270 E	ACENAPHTHENE	UT
EPA 8270 E	ACETOPHENONE	UT
EPA 8270 E	ANTHRACENE	UT
EPA 8270 E	ATRAZINE	UT
EPA 8270 E	BENZALDEHYDE	UT
EPA 8270 E	BENZO(A)ANTHRACENE	UT
EPA 8270 E	BENZO(B)FLUORANTHENE	UT
EPA 8270 E	BENZO(K)FLUORANTHENE	UT
EPA 8270 E	BENZYL ALCOHOL	UT
EPA 8270 E	BIS(2-CHLOROETHYL) ETHER	UT
EPA 8270 E	BUTYL BENZYL PHTHALATE	UT
EPA 8270 E	CARBAZOLE	UT
EPA 8270 E	CHRYSENE	UT
EPA 8270 E	DI-N-OCTYL PHTHALATE	UT
EPA 8270 E	DIBENZO(A,E) PYRENE	UT
EPA 8270 E	DIBENZOFURAN	UT
EPA 8270 E	DIMETHOATE	UT
EPA 8270 E	DIPHENYLAMINE	UT
EPA 8270 E	ETHYL METHANESULFONATE	UT
EPA 8270 E	FLUORANTHENE	UT
EPA 8270 E	HEXACHLOROBENZENE	UT
EPA 8270 E	HEXACHLOROCYCLOPENTADIENE	UT
EPA 8270 E	HEXACHLOROPHENE	UT
EPA 8270 E	INDENO(1,2,3-CD) PYRENE	UT
EPA 8270 E	ISOPHORONE	UT
EPA 8270 E	KEPONE	UT
EPA 8270 E	METHYL METHANESULFONATE	UT
EPA 8270 E	N-NITROSO-DI-N-BUTYLAMINE	UT
EPA 8270 E	4,4'-METHYLENEBIS-2-CHLOROANILINE	UT
EPA 8270 E	4-BROMOPHENYL PHENYL ETHER (BDE-3)	UT
EPA 8270 E	4-CHLOROANILINE	UT
EPA 8270 E	4-METHYLPHENOL (P-CRESOL)	UT
EPA 8270 E	4-NITROPHENOL	UT
EPA 8270 E	5-NITRO-O-TOLUIDINE	UT
EPA 8270 E	A-A-DIMETHYLPHENETHYLAMINE	UT
EPA 8270 E	ACENAPHTHYLENE	UT
EPA 8270 E	ANILINE	UT
EPA 8270 E	ARAMITE	UT
EPA 8270 E	AZOBENZENE	UT
EPA 8270 E	BENZIDINE	UT
EPA 8270 E	BENZO(A)PYRENE	UT
EPA 8270 E	BENZO(G,H,I)PERYLENE	UT
EPA 8270 E	BENZOIC ACID	UT
EPA 8270 E	BIS(2-CHLOROETHOXY)METHANE	UT
EPA 8270 E	BIS(2-ETHYLHEXYL) PHTHALATE (DI(2-ETHYLHEXYL)PHTHALATE), (DEHP)	UT
EPA 8270 E	CAPROLACTAM	UT
EPA 8270 E	CHLOROBENZILATE	UT
EPA 8270 E	DI-N-BUTYL PHTHALATE	UT
EPA 8270 E	DIALLATE	UT
EPA 8270 E	DIBENZO(A,H) ANTHRACENE	UT
EPA 8270 E	DIETHYL PHTHALATE	UT
EPA 8270 E	DIMETHYL PHTHALATE	UT
EPA 8270 E	DISULFOTON	UT
EPA 8270 E	FAMPHUR	UT
EPA 8270 E	FLUORENE	UT
EPA 8270 E	HEXACHLOROBUTADIENE (1,3-HEXACHLOROBUTADIENE)	UT
EPA 8270 E	HEXACHLOROETHANE	UT
EPA 8270 E	HEXACHLOROPROPENE	UT
EPA 8270 E	ISODRIN	UT
EPA 8270 E	ISOSAFROLE	UT
EPA 8270 E	METHAPYRILENE	UT
EPA 8270 E	METHYL PARATHION (PARATHION, METHYL)	UT
EPA 8270 E	N-NITROSODI-N-PROPYLAMINE	UT

VELAP Certificate No.: 13183

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8270 E	N-NITROSODIETHYLAMINE	UT
EPA 8270 E	N-NITROSODIPHENYLAMINE	UT
EPA 8270 E	N-NITROSOMORPHOLINE	UT
EPA 8270 E	N-NITROSOPYRROLIDINE	UT
EPA 8270 E	NITROBENZENE	UT
EPA 8270 E	O-TOLUIDINE (2-METHYLANILINE)	UT
EPA 8270 E	PARATHION (PARATHION - ETHYL)	UT
EPA 8270 E	PENTACHLORONITROBENZENE	UT
EPA 8270 E	PHENACETIN	UT
EPA 8270 E	PHENOL	UT
EPA 8270 E	PHTHALIC ANHYDRIDE	UT
EPA 8270 E	PYRENE	UT
EPA 8270 E	SAFROLE	UT
EPA 8270 E	THIONAZIN (ZINOPHOS, DIETHYL-O-2-PYRAZINYL PHOSPHOROTHIONATE)	UT
EPA 8270 E - EXTENDED	2,3-DICHLOROANILINE	UT
EPA 8270 E - EXTENDED	N-DECANE	UT
EPA 8270 E - EXTENDED	TRIBUTYL PHOSPHATE	UT
EPA 8270 E SIM	1-METHYLNAPHTHALENE	UT
EPA 8270 E SIM	ACENAPHTHENE	UT
EPA 8270 E SIM	ANTHRACENE	UT
EPA 8270 E SIM	BENZO(A)PYRENE	UT
EPA 8270 E SIM	BENZO(G,H,I)PERYLENE	UT
EPA 8270 E SIM	CHRYSENE	UT
EPA 8270 E SIM	FLUORANTHENE	UT
EPA 8270 E SIM	INDENO(1,2,3-CD) PYRENE	UT
EPA 8270 E SIM	PHENANTHRENE	UT
EPA 8330 B	1,3,5-TRINITROBENZENE (1,3,5-TNB)	UT
EPA 8330 B	2,4,6-TRINITROTOLUENE (2,4,6-TNT)	UT
EPA 8330 B	2,6-DINITROTOLUENE (2,6-DNT)	UT
EPA 8330 B	2-NITROTOLUENE	UT
EPA 8330 B	3-NITROTOLUENE	UT
EPA 8330 B	4-NITROTOLUENE	UT
EPA 8330 B	NITROBENZENE	UT
EPA 8330 B	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UT

METHOD	ANALYTE	PRIMARY
EPA 8270 E	N-NITROSODIMETHYLAMINE	UT
EPA 8270 E	N-NITROSOMETHYLETHYLAMINE	UT
EPA 8270 E	N-NITROSOPIPERIDINE	UT
EPA 8270 E	NAPHTHALENE	UT
EPA 8270 E	O,O,O-TRIETHYL PHOSPHOROTHIOATE	UT
EPA 8270 E	P-BENZOQUINONE (QUINONE)	UT
EPA 8270 E	PENTACHLOROBENZENE	UT
EPA 8270 E	PENTACHLOROPHENOL	UT
EPA 8270 E	PHENANTHRENE	UT
EPA 8270 E	PHORATE	UT
EPA 8270 E	PRONAMIDE (KERB)	UT
EPA 8270 E	PYRIDINE	UT
EPA 8270 E	SULFOTEP (TETRAETHYL DITHIOPYROPHOSPHATE, TEDP)	UT
EPA 8270 E - EXTENDED	2,2'-OXYBIS(1-CHLOROPROPANE)	UT
EPA 8270 E - EXTENDED	ALPHA-TERPINEOL	UT
EPA 8270 E - EXTENDED	N-OCTADECANE	UT
EPA 8270 E SIM	1,4-DIOXANE (P-DIOXANE /1,4-DIETHYLENEOXIDE)	UT
EPA 8270 E SIM	2-METHYLNAPHTHALENE	UT
EPA 8270 E SIM	ACENAPHTHYLENE	UT
EPA 8270 E SIM	BENZO(A)ANTHRACENE	UT
EPA 8270 E SIM	BENZO(B)FLUORANTHENE	UT
EPA 8270 E SIM	BENZO(K)FLUORANTHENE	UT
EPA 8270 E SIM	DIBENZO(A,H) ANTHRACENE	UT
EPA 8270 E SIM	FLUORENE	UT
EPA 8270 E SIM	NAPHTHALENE	UT
EPA 8270 E SIM	PYRENE	UT
EPA 8330 B	1,3-DINITROBENZENE (1,3-DNB)	UT
EPA 8330 B	2,4-DINITROTOLUENE (2,4-DNT)	UT
EPA 8330 B	2-AMINO-4,6-DINITROTOLUENE (2-AM-DNT)	UT
EPA 8330 B	3,5-DINITROANILINE	UT
EPA 8330 B	4-AMINO-2,6-DINITROTOLUENE (4-AM-DNT)	UT
EPA 8330 B	METHYL-2,4,6-TRINITROPHENYLNITRAMINE (TETRYL)	UT
EPA 8330 B	NITROGLYCERIN	UT
EPA 8330 B	PENTAERYTHRITOLTETRANITRATE (PETN)	UT

Commonwealth of Virginia

Department of General Services
Division of Consolidated Laboratory Services

Scope of Accreditation

VELAP Certificate No.: 13183

GEL Laboratories, LLC
2040 Savage Rd
Charleston, SC 29407

Virginia Laboratory ID: 460202
Effective Date: December 15, 2024
Expiration Date: December 14, 2025

SOLID AND CHEMICAL MATERIALS

METHOD	ANALYTE	PRIMARY
EPA 8330 B	RDX (HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE)	UT
EPA 9012 B	CYANIDE, AMENABLE	UT
EPA 9023	EXTRACTABLE ORGANIC HALIDES (EOX)	UT
EPA 9034	TOTAL SULFIDES	UT
EPA 9045 D	PH	UT
EPA 9056 A	CHLORIDE	UT
EPA 9056 A	NITRATE AS N	UT
EPA 9056 A	ORTHOPHOSPHATE AS P	UT
EPA 9056 A - EXTENDED	NITRATE-NITRITE AS N	UT
EPA 9066	TOTAL PHENOLICS	UT
EPA 9310	GROSS ALPHA AND BETA	UT
EPA 9320	RADIUM-228	UT
EPA 9010 C	PREP: CYANIDE DISTILLATION	UT
EPA 9012 B	CYANIDE, TOTAL	UT
EPA 9030 B	PREP: SULFIDE	UT
EPA 9041 A	PH	UT
EPA 9056 A	BROMIDE	UT
EPA 9056 A	FLUORIDE	UT
EPA 9056 A	NITRITE AS N	UT
EPA 9056 A	SULFATE	UT
EPA 9060 A	TOTAL ORGANIC CARBON (TOC)	UT
EPA 9095 B	FREE LIQUID	UT
EPA 9315	TOTAL ALPHA RADIUM	UT

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Janet Frazier
TRC, Engineers, Inc.
2200 South Main Street
Suite A
Blacksburg VA 24060

Generated 09/19/2025 Revision 1

JOB DESCRIPTION

RFAAP, Radford HWMU16

JOB NUMBER

410-234898-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

my EOL

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Barb Weyandt

Generated
09/19/2025
Revision 1

Authorized for release by
Barbara A Weyandt, Project Manager
Barbara.Weyandt@et.eurofinsus.com
717 556-7264

Eurofins Lancaster Laboratories Environment Testing, LLC

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Table of Contents

Cover Page 1
Data Summaries 7
Definitions 7
Case Narrative 9
Detection Summary 11
Client Sample Results 13
Default Detection Limits 43
Surrogate Summary 47
QC Sample Results 49
QC Association 79
Chronicle 84
Certification Summary 88
Method Summary 89
Sample Summary 90
Manual Integration Summary 91
Reagent Traceability 132
COAs 413
Sample Container Check 855
Organic Sample Data 857
GC/MS VOA 857
Method 8260D 857
Method 8260D QC Summary 858
Method 8260D Sample Data 871
Standards Data 912
Method 8260D ICAL Data 912
Method 8260D CCAL Data 1385
Raw QC Data 1413
Method 8260D Tune Data 1413
Method 8260D Blank Data 1421
Method 8260D LCS/LCSD Data 1429
Method 8260D MS/MSD Data 1441
Method 8260D Run Logs 1453
Method 8260D Prep Data 1456
Method 8260D Low Level 1464
Method 8260D Low Level QC Summary 1465
Method 8260D Low Level Sample Data 1482
Standards Data 1610
Method 8260D Low Level ICAL Data 1610
Method 8260D Low Level CCAL Data 1859
Raw QC Data 1892
Method 8260D Low Level Tune Data 1892

Table of Contents

Method 8260D Low Level Blank Data 1900
Method 8260D Low Level LCS/LCSD Data 1909
Method 8260D Low Level MS/MSD Data 1923
Method 8260D Low Level Run Logs 1950
Method 8260D Low Level Prep Data 1952
GC/MS Semi VOA 1959
Method 8270E 1959
Method 8270E QC Summary 1960
Method 8270E Sample Data 2010
Standards Data 2119
Method 8270E ICAL Data 2119
Method 8270E Resolution Data 3090
Method 8270E CCAL Data 3104
Raw QC Data 3275
Method 8270E Tune Data 3275
Method 8270E Blank Data 3365
Method 8270E LCS/LCSD Data 3404
Method 8270E MS/MSD Data 3468
Method 8270E Run Logs 3497
Method 8270E Prep Data 3509
Inorganic Sample Data 3528
Metals Data 3528
Met Cover Page 3529
Met Sample Data 3530
Met QC Data 3542
Met ICV/CCV 3542
Met CRQL 3550
Met Blanks 3553
Met ICSA/ICSAB 3565
Met MS/MSD/PDS 3569
Met Dup/Trip 3573
Met LCS/LCSD 3575
Met MDL 3581
Met Linear Ranges 3587
Met Preparation Log 3589
Met Analysis Run Log 3592
Met Internal Standards 3606
Met Prep Data 3614
Met Raw Data 3622
General Chemistry Data 4381
Gen Chem Cover Page 4382

Table of Contents

Gen Chem Sample Data 4383
Gen Chem QC Data 4389
Gen Chem ICV/CCV 4389
Gen Chem Blanks 4391
Gen Chem MS/MSD/PDS 4392
Gen Chem LCS/LCSD 4394
Gen Chem MDL 4395
Gen Chem Preparation Log 4397
Gen Chem Analysis Run Log 4399
Gen Chem Prep Data 4406
Gen Chem Raw Data 4410
Shipping and Receiving Documents 4416
Client Chain of Custody 4417
Sample Receipt Checklist 4418

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
cn	Refer to Case Narrative for further detail
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
cn	Refer to Case Narrative for further detail
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
410-234898-1

REVISION

The report being provided is a revision of the original report sent on 8/19/2025. The report (revision 1) is being revised due to add acetone to sample -5 by method 8260D.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 7/31/2025 9:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.5°C and 3.6°C.

Receipt Exceptions
Date/Time not marked on COC - entered, as sample was received.

Trip Blank 3 (410-234898-14)

GC/MS VOA
Method 8260D_LL: The continuing calibration verification (CCV) analyzed on 410-681517 is compliant under 8260C/D method criteria for Tetrahydrofuran . The software does not display the % Drift data to the whole number as is listed in the method (i.e. limit of 20%). When applying the evaluation to a whole number, the check passes the criteria with a value of 20% Drift.

Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 410-681517 recovered above the upper control limit for 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Methacrylonitrile and Propionitrile. Non-detections of the affected analytes are reported. Any detections are considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E: The continuing calibration verification (CCV) analyzed in batch 410-681375 was below the method criteria for the following analyte(s): bis (2-chloroisopropyl) ether. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: The laboratory control sample duplicate (LCSD) for preparation batch 410-681120 recovered outside control limits for the following analytes: Kepone. The stated control limits are advisory only until sufficient data points can be obtained to calculate statistical limits.

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 410-682061 was below the method criteria for the following analyte(s): bis (2-chloroisopropyl) ether. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: Surrogate recovery for the following samples were outside control limits: 16WC1A (410-234898-4) and 16WDUP (410-234898-5). Re-extraction and/or re-analysis was performed outside of holding time with

acceptable results.

Method 8270E: The continuing calibration verification (CCV) associated with batch 410-682464 recovered above the upper control limit for bis (2-chloroisopropyl) ether, N-Nitrosodimethylamine and N-Nitrosomorpholine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E: Surrogate recovery for the following sample was outside control limits: 16WC1A (410-234898-4). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 9012B: The following sample was found to contain residual chlorine: 16WC1A (410-234898-4). The chlorine was treated and removed prior to preparation/analysis.

Method 9012B: The following sample was found to contain residual chlorine: 16WC1AMS (410-234898-4[MS]). The chlorine was treated and removed prior to preparation/analysis.

Method 9012B: The following sample was found to contain residual chlorine: 16WC1AMSD (410-234898-4[MSD]). The chlorine was treated and removed prior to preparation/analysis.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: TRC, Engineers, Inc.
Project/Site: RFAAP, Radford HWMU16

Job ID: 410-234898-1

Client Sample ID: 16C1 — Lab Sample ID: 410-234898-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	5.16		1.00	0.300	ug/L	1		8260D	Total/NA
Benzene	0.329	J	1.00	0.300	ug/L	1		8260D	Total/NA
Chloroethane	2.74		1.00	0.100	ug/L	1		8260D	Total/NA
Chloromethane	0.189	J	1.00	0.100	ug/L	1		8260D	Total/NA
Tetrahydrofuran	27.4	cn	25.0	2.00	ug/L	1		8260D	Total/NA
Dimethyl ether	6.43		0.500	0.300	ug/L	1		8260D	Total/NA
Diethyl ether - DL	31.2	J	100	11.1	ug/L	10		8260D	Total/NA
Barium	189		10.0	1.30	ug/L	1		6020B	Total Recoverable
Nickel	3.64	J	10.0	2.00	ug/L	1		6020B	Total Recoverable

Client Sample ID: 16MW8 — Lab Sample ID: 410-234898-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diethyl ether	6.41	J	10.0	1.11	ug/L	1		8260D	Total/NA
Barium	126		10.0	1.30	ug/L	1		6020B	Total Recoverable
Cadmium	0.378	J	1.00	0.200	ug/L	1		6020B	Total Recoverable
Copper	15.9		5.00	1.70	ug/L	1		6020B	Total Recoverable
Nickel	2.85	J	10.0	2.00	ug/L	1		6020B	Total Recoverable
Zinc	32.1		30.0	7.30	ug/L	1		6020B	Total Recoverable

Client Sample ID: 16MW9 — Lab Sample ID: 410-234898-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.91		1.00	0.300	ug/L	1		8260D	Total/NA
Benzene	0.340	J	1.00	0.300	ug/L	1		8260D	Total/NA
Chloroethane	1.85		1.00	0.100	ug/L	1		8260D	Total/NA
Dimethyl ether	1.16		0.500	0.300	ug/L	1		8260D	Total/NA
Diethyl ether - DL	60.4	J	100	11.1	ug/L	10		8260D	Total/NA
Arsenic	2.46	J	10.0	2.00	ug/L	1		6020B	Total Recoverable
Barium	587		10.0	1.30	ug/L	1		6020B	Total Recoverable
Cobalt	4.55	J	5.00	1.00	ug/L	1		6020B	Total Recoverable
Nickel	11.5		10.0	2.00	ug/L	1		6020B	Total Recoverable

Client Sample ID: 16WC1A — Lab Sample ID: 410-234898-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.44		1.00	0.300	ug/L	1		8260D	Total/NA
Chloroethane	1.53	F1	1.00	0.100	ug/L	1		8260D	Total/NA
Diethyl ether	21.8		10.0	1.11	ug/L	1		8260D	Total/NA
Dimethyl ether	0.765		0.500	0.300	ug/L	1		8260D	Total/NA
Arsenic	4.80	J	10.0	2.00	ug/L	1		6020B	Total Recoverable
Barium	366		10.0	1.30	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: 16WC1A (Continued)
Lab Sample ID: 410-234898-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	11.0		5.00	1.00	ug/L	1		6020B	Total Recoverable
Nickel	10.0		10.0	2.00	ug/L	1		6020B	Total Recoverable

Client Sample ID: 16WDUP
Lab Sample ID: 410-234898-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.38		1.00	0.300	ug/L	1		8260D	Total/NA
Acetone	2.53	J	10.0	2.00	ug/L	1		8260D	Total/NA
Chloroethane	1.51		1.00	0.100	ug/L	1		8260D	Total/NA
Chloromethane	0.143	J	1.00	0.100	ug/L	1		8260D	Total/NA
Diethyl ether	19.4		10.0	1.11	ug/L	1		8260D	Total/NA
Dimethyl ether	0.764		0.500	0.300	ug/L	1		8260D	Total/NA
Arsenic	4.94	J	10.0	2.00	ug/L	1		6020B	Total Recoverable
Barium	383		10.0	1.30	ug/L	1		6020B	Total Recoverable
Cobalt	11.7		5.00	1.00	ug/L	1		6020B	Total Recoverable
Nickel	10.4		10.0	2.00	ug/L	1		6020B	Total Recoverable

Client Sample ID: 16WC1B
Lab Sample ID: 410-234898-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	99.1		10.0	1.30	ug/L	1		6020B	Total Recoverable
Chromium	1.36	J	5.00	1.00	ug/L	1		6020B	Total Recoverable
Mercury	1.32	J	2.00	0.200	ug/L	1		7470A	Total/NA

Client Sample ID: Trip Blank 1
Lab Sample ID: 410-234898-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.65	J	10.0	2.00	ug/L	1		8260D	Total/NA

Client Sample ID: Trip Blank 2
Lab Sample ID: 410-234898-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.65	J	10.0	2.00	ug/L	1		8260D	Total/NA

Client Sample ID: Trip Blank 3
Lab Sample ID: 410-234898-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.50	J	10.0	2.00	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 16C1
Date Collected: 07/30/25 14:20
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Propanol	ND		100	50.0	ug/L			08/06/25 12:55	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.300	ug/L			08/06/25 19:12	1
1,1,1-Trichloroethane	ND		1.00	0.300	ug/L			08/06/25 19:12	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.300	ug/L			08/06/25 19:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.400	ug/L			08/06/25 19:12	1
1,1,2-Trichloroethane	ND		1.00	0.300	ug/L			08/06/25 19:12	1
1,1-Dichloroethane	**5.16**		1.00	0.300	ug/L			08/06/25 19:12	1
1,1-Dichloroethene	ND		1.00	0.300	ug/L			08/06/25 19:12	1
1,2,3-Trichloropropane	ND		1.00	0.300	ug/L			08/06/25 19:12	1
1,2,4-Trichlorobenzene	ND		1.00	0.600	ug/L			08/06/25 19:12	1
1,2-Dibromo-3-Chloropropane	ND		1.00	0.400	ug/L			08/06/25 19:12	1
1,2-Dibromoethane	ND		1.00	0.300	ug/L			08/06/25 19:12	1
1,2-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 19:12	1
1,2-Dichloroethane	ND		1.00	0.300	ug/L			08/06/25 19:12	1
1,2-Dichloropropane	ND		1.00	0.400	ug/L			08/06/25 19:12	1
1,3-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 19:12	1
1,3-Dichloropropane	ND		1.00	0.400	ug/L			08/06/25 19:12	1
1,4-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 19:12	1
1,4-Dioxane	ND		200	45.5	ug/L			08/06/25 19:12	1
2-Butanone	ND	cn	10.0	1.70	ug/L			08/06/25 19:12	1
2-Hexanone	ND	cn	10.0	2.00	ug/L			08/06/25 19:12	1
4-Methyl-2-pentanone	ND	cn	10.0	2.00	ug/L			08/06/25 19:12	1
Acetone	ND		10.0	2.00	ug/L			08/06/25 19:12	1
Acetonitrile	ND		100	31.6	ug/L			08/06/25 19:12	1
Acrylonitrile	ND		10.0	1.10	ug/L			08/06/25 19:12	1
Allyl chloride	ND		10.0	1.00	ug/L			08/06/25 19:12	1
Benzene	**0.329**	**J**	1.00	0.300	ug/L			08/06/25 19:12	1
Bromodichloromethane	ND		1.00	0.300	ug/L			08/06/25 19:12	1
Bromoform	ND		1.00	0.400	ug/L			08/06/25 19:12	1
Bromomethane	ND		1.00	0.542	ug/L			08/06/25 19:12	1
Carbon disulfide	ND		10.0	0.400	ug/L			08/06/25 19:12	1
Carbon tetrachloride	ND		1.00	0.300	ug/L			08/06/25 19:12	1
Chloroethane	**2.74**		1.00	0.100	ug/L			08/06/25 19:12	1
Chloroform	ND		1.00	0.300	ug/L			08/06/25 19:12	1
Chloromethane	**0.189**	**J**	1.00	0.100	ug/L			08/06/25 19:12	1
Chloroprene	ND		10.0	0.460	ug/L			08/06/25 19:12	1
Dibromochloromethane	ND		1.00	0.400	ug/L			08/06/25 19:12	1
Dibromomethane	ND		1.00	0.300	ug/L			08/06/25 19:12	1
Dichlorodifluoromethane	ND		1.00	0.400	ug/L			08/06/25 19:12	1
Ethyl methacrylate	ND		10.0	0.810	ug/L			08/06/25 19:12	1
Ethylbenzene	ND		1.00	0.300	ug/L			08/06/25 19:12	1
Hexachlorobutadiene	ND		1.00	0.400	ug/L			08/06/25 19:12	1
Isobutyl alcohol	ND		200	11.6	ug/L			08/06/25 19:12	1
m&p-Xylene	ND		2.00	0.400	ug/L			08/06/25 19:12	1
Methacrylonitrile	ND	cn	100	9.75	ug/L			08/06/25 19:12	1
Methyl iodide	ND		10.0	0.580	ug/L			08/06/25 19:12	1
Methyl methacrylate	ND		10.0	3.58	ug/L			08/06/25 19:12	1
Methylene Chloride	ND		1.00	0.700	ug/L			08/06/25 19:12	1
Naphthalene	ND		1.00	0.400	ug/L			08/06/25 19:12	1

Client Sample ID: 16C1

Date Collected: 07/30/25 14:20
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		1.00	0.400	ug/L			08/06/25 19:12	1
Pentachloroethane	ND		10.0	1.70	ug/L			08/06/25 19:12	1
Propionitrile	ND	cn	100	10.2	ug/L			08/06/25 19:12	1
Styrene	ND		1.00	0.300	ug/L			08/06/25 19:12	1
Tetrachloroethene	ND		1.00	0.300	ug/L			08/06/25 19:12	1
Tetrahydrofuran	**27.4**	**cn**	25.0	2.00	ug/L			08/06/25 19:12	1
Toluene	ND		1.00	0.300	ug/L			08/06/25 19:12	1
trans-1,2-Dichloroethene	ND		1.00	0.300	ug/L			08/06/25 19:12	1
trans-1,3-Dichloropropene	ND		1.00	0.400	ug/L			08/06/25 19:12	1
Trichloroethene	ND		1.00	0.300	ug/L			08/06/25 19:12	1
Trichlorofluoromethane	ND		1.00	0.400	ug/L			08/06/25 19:12	1
Vinyl acetate	ND		10.0	3.29	ug/L			08/06/25 19:12	1
Vinyl chloride	ND		1.00	0.200	ug/L			08/06/25 19:12	1
Xylenes, Total	ND		3.00	0.400	ug/L			08/06/25 19:12	1
Dimethyl ether	**6.43**		0.500	0.300	ug/L			08/06/25 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*08/06/25 19:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*80 - 120*		*08/06/25 12:55*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*08/06/25 19:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*08/06/25 19:12*	*1*
Dibromofluoromethane (Surr)	*117*		*80 - 120*		*08/06/25 12:55*	*1*
4-Bromofluorobenzene (Surr)	*80*		*80 - 120*		*08/06/25 12:55*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/06/25 19:12*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*08/06/25 12:55*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl ether	**31.2**	**J**	100	11.1	ug/L			08/06/25 19:35	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*08/06/25 19:35*	*10*
Dibromofluoromethane (Surr)	*113*		*80 - 120*		*08/06/25 19:35*	*10*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*08/06/25 19:35*	*10*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/06/25 19:35*	*10*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		10.0	2.00	ug/L		08/06/25 07:35	08/07/25 15:55	1
1,3-Dinitrobenzene	ND		10.0	2.30	ug/L		08/06/25 07:35	08/07/25 15:55	1
bis (2-chloroisopropyl) ether	ND	cn	10.0	0.601	ug/L		08/06/25 07:35	08/07/25 15:55	1
2,3,4,6-Tetrachlorophenol	ND		10.0	1.80	ug/L		08/06/25 07:35	08/07/25 15:55	1
2,4,5-Trichlorophenol	ND		10.0	2.00	ug/L		08/06/25 07:35	08/07/25 15:55	1
2,4,6-Trichlorophenol	ND		10.0	1.80	ug/L		08/06/25 07:35	08/07/25 15:55	1
2,4-Dichlorophenol	ND		10.0	1.59	ug/L		08/06/25 07:35	08/07/25 15:55	1
2,4-Dinitrotoluene	ND		10.0	2.10	ug/L		08/06/25 07:35	08/07/25 15:55	1
2,6-Dichlorophenol	ND		10.0	1.40	ug/L		08/06/25 07:35	08/07/25 15:55	1
2,6-Dinitrotoluene	ND		10.0	2.10	ug/L		08/06/25 07:35	08/07/25 15:55	1
2-Chloronaphthalene	ND		10.0	0.501	ug/L		08/06/25 07:35	08/07/25 15:55	1
2-Chlorophenol	ND		10.0	1.00	ug/L		08/06/25 07:35	08/07/25 15:55	1

Client Sample ID: 16C1
Date Collected: 07/30/25 14:20
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-1
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		10.0	0.290	ug/L		08/06/25 07:35	08/07/25 15:55	1
o-Cresol	ND		10.0	0.961	ug/L		08/06/25 07:35	08/07/25 15:55	1
2-Nitroaniline	ND		10.0	1.00	ug/L		08/06/25 07:35	08/07/25 15:55	1
2-Nitrophenol	ND		10.0	1.27	ug/L		08/06/25 07:35	08/07/25 15:55	1
4-Bromophenyl-phenylether	ND		10.0	0.561	ug/L		08/06/25 07:35	08/07/25 15:55	1
4-Chloro-3-methylphenol	ND		10.0	1.00	ug/L		08/06/25 07:35	08/07/25 15:55	1
4-Chlorophenyl-phenyl ether	ND		10.0	0.601	ug/L		08/06/25 07:35	08/07/25 15:55	1
m & p-Cresol	ND		20.0	2.47	ug/L		08/06/25 07:35	08/07/25 15:55	1
5-Nitro-o-toluidine	ND		10.0	2.00	ug/L		08/06/25 07:35	08/07/25 15:55	1
Acenaphthene	ND		10.0	0.350	ug/L		08/06/25 07:35	08/07/25 15:55	1
Acenaphthylene	ND		10.0	0.481	ug/L		08/06/25 07:35	08/07/25 15:55	1
Anthracene	ND		10.0	0.521	ug/L		08/06/25 07:35	08/07/25 15:55	1
Benzo[a]anthracene	ND		10.0	0.451	ug/L		08/06/25 07:35	08/07/25 15:55	1
Benzo[a]pyrene	ND		10.0	1.50	ug/L		08/06/25 07:35	08/07/25 15:55	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		08/06/25 07:35	08/07/25 15:55	1
Benzo[g,h,i]perylene	ND		10.0	0.421	ug/L		08/06/25 07:35	08/07/25 15:55	1
Benzo[k]fluoranthene	ND		10.0	1.60	ug/L		08/06/25 07:35	08/07/25 15:55	1
Chrysene	ND		10.0	0.310	ug/L		08/06/25 07:35	08/07/25 15:55	1
Diallate	ND		10.0	3.00	ug/L		08/06/25 07:35	08/07/25 15:55	1
Dibenz(a,h)anthracene	ND		10.0	0.380	ug/L		08/06/25 07:35	08/07/25 15:55	1
Dibenzofuran	ND		10.0	0.601	ug/L		08/06/25 07:35	08/07/25 15:55	1
Diethyl phthalate	ND		10.0	2.00	ug/L		08/06/25 07:35	08/07/25 15:55	1
Dimethoate	ND	*1	10.0	3.00	ug/L		08/06/25 07:35	08/07/25 15:55	1
Ethyl methanesulfonate	ND		10.0	1.10	ug/L		08/06/25 07:35	08/07/25 15:55	1
Fluoranthene	ND		10.0	0.421	ug/L		08/06/25 07:35	08/07/25 15:55	1
Fluorene	ND		10.0	0.380	ug/L		08/06/25 07:35	08/07/25 15:55	1
Hexachlorobenzene	ND		10.0	0.871	ug/L		08/06/25 07:35	08/07/25 15:55	1
Hexachloropropene	ND		10.0	2.00	ug/L		08/06/25 07:35	08/07/25 15:55	1
Indeno[1,2,3-cd]pyrene	ND		10.0	0.150	ug/L		08/06/25 07:35	08/07/25 15:55	1
Isodrin	ND		10.0	1.10	ug/L		08/06/25 07:35	08/07/25 15:55	1
Kepone	ND		50.1	25.0	ug/L		08/06/25 07:35	08/07/25 15:55	1
N-Nitrosodiethylamine	ND		10.0	3.00	ug/L		08/06/25 07:35	08/07/25 15:55	1
N-Nitrosodimethylamine	ND		10.0	2.00	ug/L		08/06/25 07:35	08/07/25 15:55	1
n-Nitrosodiphenylamine(as diphenylamine)	ND		10.0	0.581	ug/L		08/06/25 07:35	08/07/25 15:55	1
N-Nitrosomorpholine	ND		10.0	3.00	ug/L		08/06/25 07:35	08/07/25 15:55	1
N-Nitrosopiperidine	ND		10.0	1.10	ug/L		08/06/25 07:35	08/07/25 15:55	1
Nitrobenzene	ND		10.0	0.601	ug/L		08/06/25 07:35	08/07/25 15:55	1
o,o',o''-Triethylphosphorothioate	ND		10.0	2.60	ug/L		08/06/25 07:35	08/07/25 15:55	1
Pentachlorobenzene	ND		10.0	1.60	ug/L		08/06/25 07:35	08/07/25 15:55	1
Phenacetin	ND		10.0	1.40	ug/L		08/06/25 07:35	08/07/25 15:55	1
Pentachlorophenol	ND		10.0	3.00	ug/L		08/06/25 07:35	08/07/25 15:55	1
Phenanthrene	ND		10.0	0.521	ug/L		08/06/25 07:35	08/07/25 15:55	1
Phenol	ND		10.0	0.771	ug/L		08/06/25 07:35	08/07/25 15:55	1
Phorate	ND		10.0	2.50	ug/L		08/06/25 07:35	08/07/25 15:55	1
Pyrene	ND		10.0	0.410	ug/L		08/06/25 07:35	08/07/25 15:55	1
Safrole, Total	ND		10.0	2.20	ug/L		08/06/25 07:35	08/07/25 15:55	1
Sulfotepp	ND		10.0	2.40	ug/L		08/06/25 07:35	08/07/25 15:55	1
O,O-Diethyl O-2-pyrazinyl phosphorothioate	ND		10.0	2.40	ug/L		08/06/25 07:35	08/07/25 15:55	1

Client Sample ID: 16C1 — Lab Sample ID: 410-234898-1

Date Collected: 07/30/25 14:20 — **Matrix: Water**
Date Received: 07/31/25 09:20

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		10.0	2.00	ug/L		08/06/25 07:35	08/07/25 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*13 - 134*	*08/06/25 07:35*	*08/07/25 15:55*	*1*
2-Fluorobiphenyl (Surr)	*78*		*45 - 120*	*08/06/25 07:35*	*08/07/25 15:55*	*1*
2-Fluorophenol (Surr)	*52*		*10 - 120*	*08/06/25 07:35*	*08/07/25 15:55*	*1*
Nitrobenzene-d5 (Surr)	*75*		*33 - 120*	*08/06/25 07:35*	*08/07/25 15:55*	*1*
p-Terphenyl-d14 (Surr)	*97*		*26 - 123*	*08/06/25 07:35*	*08/07/25 15:55*	*1*
Phenol-d5 (Surr)	*38*		*10 - 120*	*08/06/25 07:35*	*08/07/25 15:55*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.00	0.600	ug/L		08/11/25 04:22	08/12/25 23:32	1
Arsenic	ND		10.0	2.00	ug/L		08/11/25 04:22	08/12/25 23:32	1
Barium	**189**		10.0	1.30	ug/L		08/11/25 04:22	08/13/25 19:16	1
Beryllium	ND		1.00	0.300	ug/L		08/11/25 04:22	08/12/25 23:32	1
Cadmium	ND		1.00	0.200	ug/L		08/11/25 04:22	08/12/25 23:32	1
Chromium	ND		5.00	1.00	ug/L		08/11/25 04:22	08/12/25 23:32	1
Cobalt	ND		5.00	1.00	ug/L		08/11/25 04:22	08/12/25 23:32	1
Copper	ND		5.00	1.70	ug/L		08/11/25 04:22	08/12/25 23:32	1
Lead	ND		3.00	1.00	ug/L		08/11/25 04:22	08/12/25 23:32	1
Nickel	**3.64**	**J**	10.0	2.00	ug/L		08/11/25 04:22	08/12/25 23:32	1
Selenium	ND		10.0	3.00	ug/L		08/11/25 04:22	08/12/25 23:32	1
Silver	ND		2.00	0.300	ug/L		08/11/25 04:22	08/12/25 23:32	1
Thallium	ND		1.00	0.200	ug/L		08/11/25 04:22	08/12/25 23:32	1
Zinc	ND		30.0	7.30	ug/L		08/11/25 04:22	08/12/25 23:32	1
Vanadium	ND		10.0	2.50	ug/L		08/11/25 04:22	08/12/25 23:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		2.00	0.200	ug/L		08/12/25 05:25	08/12/25 20:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		20.0	5.00	ug/L		08/01/25 13:24	08/02/25 00:08	1

Client Sample ID: 16MW8 — Lab Sample ID: 410-234898-2

Date Collected: 07/29/25 11:20 — **Matrix: Water**
Date Received: 07/31/25 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Propanol	ND		100	50.0	ug/L			08/06/25 13:15	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.300	ug/L			08/06/25 14:23	1
1,1,1-Trichloroethane	ND		1.00	0.300	ug/L			08/06/25 14:23	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.300	ug/L			08/06/25 14:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.400	ug/L			08/06/25 14:23	1
1,1,2-Trichloroethane	ND		1.00	0.300	ug/L			08/06/25 14:23	1
1,1-Dichloroethane	ND		1.00	0.300	ug/L			08/06/25 14:23	1
1,1-Dichloroethene	ND		1.00	0.300	ug/L			08/06/25 14:23	1
1,2,3-Trichloropropane	ND		1.00	0.300	ug/L			08/06/25 14:23	1

Client Sample ID: 16MW8
Date Collected: 07/29/25 11:20
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.00	0.600	ug/L			08/06/25 14:23	1
1,2-Dibromo-3-Chloropropane	ND		1.00	0.400	ug/L			08/06/25 14:23	1
1,2-Dibromoethane	ND		1.00	0.300	ug/L			08/06/25 14:23	1
1,2-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 14:23	1
1,2-Dichloroethane	ND		1.00	0.300	ug/L			08/06/25 14:23	1
1,2-Dichloropropane	ND		1.00	0.400	ug/L			08/06/25 14:23	1
1,3-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 14:23	1
1,3-Dichloropropane	ND		1.00	0.400	ug/L			08/06/25 14:23	1
1,4-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 14:23	1
1,4-Dioxane	ND		200	45.5	ug/L			08/06/25 14:23	1
2-Butanone	ND	cn	10.0	1.70	ug/L			08/06/25 14:23	1
2-Hexanone	ND	cn	10.0	2.00	ug/L			08/06/25 14:23	1
4-Methyl-2-pentanone	ND	cn	10.0	2.00	ug/L			08/06/25 14:23	1
Acetone	ND		10.0	2.00	ug/L			08/06/25 14:23	1
Acetonitrile	ND		100	31.6	ug/L			08/06/25 14:23	1
Acrylonitrile	ND		10.0	1.10	ug/L			08/06/25 14:23	1
Allyl chloride	ND		10.0	1.00	ug/L			08/06/25 14:23	1
Benzene	ND		1.00	0.300	ug/L			08/06/25 14:23	1
Bromodichloromethane	ND		1.00	0.300	ug/L			08/06/25 14:23	1
Bromoform	ND		1.00	0.400	ug/L			08/06/25 14:23	1
Bromomethane	ND		1.00	0.542	ug/L			08/06/25 14:23	1
Carbon disulfide	ND		10.0	0.400	ug/L			08/06/25 14:23	1
Carbon tetrachloride	ND		1.00	0.300	ug/L			08/06/25 14:23	1
Chloroethane	ND		1.00	0.100	ug/L			08/06/25 14:23	1
Chloroform	ND		1.00	0.300	ug/L			08/06/25 14:23	1
Chloromethane	ND		1.00	0.100	ug/L			08/06/25 14:23	1
Chloroprene	ND		10.0	0.460	ug/L			08/06/25 14:23	1
Dibromochloromethane	ND		1.00	0.400	ug/L			08/06/25 14:23	1
Dibromomethane	ND		1.00	0.300	ug/L			08/06/25 14:23	1
Dichlorodifluoromethane	ND		1.00	0.400	ug/L			08/06/25 14:23	1
Diethyl ether	**6.41**	**J**	10.0	1.11	ug/L			08/06/25 14:23	1
Ethyl methacrylate	ND		10.0	0.810	ug/L			08/06/25 14:23	1
Ethylbenzene	ND		1.00	0.300	ug/L			08/06/25 14:23	1
Hexachlorobutadiene	ND		1.00	0.400	ug/L			08/06/25 14:23	1
Isobutyl alcohol	ND		200	11.6	ug/L			08/06/25 14:23	1
m&p-Xylene	ND		2.00	0.400	ug/L			08/06/25 14:23	1
Methacrylonitrile	ND	cn	100	9.75	ug/L			08/06/25 14:23	1
Methyl iodide	ND		10.0	0.580	ug/L			08/06/25 14:23	1
Methyl methacrylate	ND		10.0	3.58	ug/L			08/06/25 14:23	1
Methylene Chloride	ND		1.00	0.700	ug/L			08/06/25 14:23	1
Naphthalene	ND		1.00	0.400	ug/L			08/06/25 14:23	1
o-Xylene	ND		1.00	0.400	ug/L			08/06/25 14:23	1
Pentachloroethane	ND		10.0	1.70	ug/L			08/06/25 14:23	1
Propionitrile	ND	cn	100	10.2	ug/L			08/06/25 14:23	1
Styrene	ND		1.00	0.300	ug/L			08/06/25 14:23	1
Tetrachloroethene	ND		1.00	0.300	ug/L			08/06/25 14:23	1
Tetrahydrofuran	ND	cn	25.0	2.00	ug/L			08/06/25 14:23	1
Toluene	ND		1.00	0.300	ug/L			08/06/25 14:23	1
trans-1,2-Dichloroethene	ND		1.00	0.300	ug/L			08/06/25 14:23	1

Client Sample ID: 16MW8
Date Collected: 07/29/25 11:20
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		1.00	0.400	ug/L			08/06/25 14:23	1
Trichloroethene	ND		1.00	0.300	ug/L			08/06/25 14:23	1
Trichlorofluoromethane	ND		1.00	0.400	ug/L			08/06/25 14:23	1
Vinyl acetate	ND		10.0	3.29	ug/L			08/06/25 14:23	1
Vinyl chloride	ND		1.00	0.200	ug/L			08/06/25 14:23	1
Xylenes, Total	ND		3.00	0.400	ug/L			08/06/25 14:23	1
Dimethyl ether	ND		0.500	0.300	ug/L			08/06/25 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*08/06/25 14:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*		*08/06/25 13:15*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*08/06/25 14:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*08/06/25 14:23*	*1*
Dibromofluoromethane (Surr)	*115*		*80 - 120*		*08/06/25 13:15*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*08/06/25 13:15*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/06/25 14:23*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*08/06/25 13:15*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		10.0	2.01	ug/L		08/05/25 16:09	08/06/25 18:13	1
1,3-Dinitrobenzene	ND		10.0	2.31	ug/L		08/05/25 16:09	08/06/25 18:13	1
bis (2-chloroisopropyl) ether	ND	cn	10.0	0.602	ug/L		08/05/25 16:09	08/06/25 18:13	1
2,3,4,6-Tetrachlorophenol	ND		10.0	1.81	ug/L		08/05/25 16:09	08/06/25 18:13	1
2,4,5-Trichlorophenol	ND		10.0	2.01	ug/L		08/05/25 16:09	08/06/25 18:13	1
2,4,6-Trichlorophenol	ND		10.0	1.81	ug/L		08/05/25 16:09	08/06/25 18:13	1
2,4-Dichlorophenol	ND		10.0	1.60	ug/L		08/05/25 16:09	08/06/25 18:13	1
2,4-Dinitrotoluene	ND		10.0	2.11	ug/L		08/05/25 16:09	08/06/25 18:13	1
2,6-Dichlorophenol	ND		10.0	1.41	ug/L		08/05/25 16:09	08/06/25 18:13	1
2,6-Dinitrotoluene	ND		10.0	2.11	ug/L		08/05/25 16:09	08/06/25 18:13	1
2-Chloronaphthalene	ND		10.0	0.502	ug/L		08/05/25 16:09	08/06/25 18:13	1
2-Chlorophenol	ND		10.0	1.00	ug/L		08/05/25 16:09	08/06/25 18:13	1
2-Methylnaphthalene	ND		10.0	0.291	ug/L		08/05/25 16:09	08/06/25 18:13	1
o-Cresol	ND		10.0	0.964	ug/L		08/05/25 16:09	08/06/25 18:13	1
2-Nitroaniline	ND		10.0	1.00	ug/L		08/05/25 16:09	08/06/25 18:13	1
2-Nitrophenol	ND		10.0	1.28	ug/L		08/05/25 16:09	08/06/25 18:13	1
4-Bromophenyl-phenylether	ND		10.0	0.562	ug/L		08/05/25 16:09	08/06/25 18:13	1
4-Chloro-3-methylphenol	ND		10.0	1.00	ug/L		08/05/25 16:09	08/06/25 18:13	1
4-Chlorophenyl-phenyl ether	ND		10.0	0.602	ug/L		08/05/25 16:09	08/06/25 18:13	1
m & p-Cresol	ND		20.1	2.48	ug/L		08/05/25 16:09	08/06/25 18:13	1
5-Nitro-o-toluidine	ND		10.0	2.01	ug/L		08/05/25 16:09	08/06/25 18:13	1
Acenaphthene	ND		10.0	0.351	ug/L		08/05/25 16:09	08/06/25 18:13	1
Acenaphthylene	ND		10.0	0.482	ug/L		08/05/25 16:09	08/06/25 18:13	1
Anthracene	ND		10.0	0.522	ug/L		08/05/25 16:09	08/06/25 18:13	1
Benzo[a]anthracene	ND		10.0	0.452	ug/L		08/05/25 16:09	08/06/25 18:13	1
Benzo[a]pyrene	ND		10.0	1.51	ug/L		08/05/25 16:09	08/06/25 18:13	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		08/05/25 16:09	08/06/25 18:13	1
Benzo[g,h,i]perylene	ND		10.0	0.422	ug/L		08/05/25 16:09	08/06/25 18:13	1
Benzo[k]fluoranthene	ND		10.0	1.61	ug/L		08/05/25 16:09	08/06/25 18:13	1
Chrysene	ND		10.0	0.311	ug/L		08/05/25 16:09	08/06/25 18:13	1

Client Sample ID: 16MW8
Date Collected: 07/29/25 11:20
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-2
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diallate	ND		10.0	3.01	ug/L		08/05/25 16:09	08/06/25 18:13	1
Dibenz(a,h)anthracene	ND		10.0	0.382	ug/L		08/05/25 16:09	08/06/25 18:13	1
Dibenzofuran	ND		10.0	0.602	ug/L		08/05/25 16:09	08/06/25 18:13	1
Diethyl phthalate	ND		10.0	2.01	ug/L		08/05/25 16:09	08/06/25 18:13	1
Dimethoate	ND		10.0	3.01	ug/L		08/05/25 16:09	08/06/25 18:13	1
Ethyl methanesulfonate	ND		10.0	1.10	ug/L		08/05/25 16:09	08/06/25 18:13	1
Fluoranthene	ND		10.0	0.422	ug/L		08/05/25 16:09	08/06/25 18:13	1
Fluorene	ND		10.0	0.382	ug/L		08/05/25 16:09	08/06/25 18:13	1
Hexachlorobenzene	ND		10.0	0.873	ug/L		08/05/25 16:09	08/06/25 18:13	1
Hexachloropropene	ND		10.0	2.01	ug/L		08/05/25 16:09	08/06/25 18:13	1
Indeno[1,2,3-cd]pyrene	ND		10.0	0.151	ug/L		08/05/25 16:09	08/06/25 18:13	1
Isodrin	ND		10.0	1.10	ug/L		08/05/25 16:09	08/06/25 18:13	1
Kepone	ND	*- cn	50.2	25.1	ug/L		08/05/25 16:09	08/06/25 18:13	1
N-Nitrosodiethylamine	ND		10.0	3.01	ug/L		08/05/25 16:09	08/06/25 18:13	1
N-Nitrosodimethylamine	ND		10.0	2.01	ug/L		08/05/25 16:09	08/06/25 18:13	1
n-Nitrosodiphenylamine(as diphenylamine)	ND		10.0	0.582	ug/L		08/05/25 16:09	08/06/25 18:13	1
N-Nitrosomorpholine	ND		10.0	3.01	ug/L		08/05/25 16:09	08/06/25 18:13	1
N-Nitrosopiperidine	ND		10.0	1.10	ug/L		08/05/25 16:09	08/06/25 18:13	1
Nitrobenzene	ND		10.0	0.602	ug/L		08/05/25 16:09	08/06/25 18:13	1
o,o',o''-Triethylphosphorothioate	ND		10.0	2.61	ug/L		08/05/25 16:09	08/06/25 18:13	1
Pentachlorobenzene	ND		10.0	1.61	ug/L		08/05/25 16:09	08/06/25 18:13	1
Phenacetin	ND		10.0	1.41	ug/L		08/05/25 16:09	08/06/25 18:13	1
Pentachlorophenol	ND		10.0	3.01	ug/L		08/05/25 16:09	08/06/25 18:13	1
Phenanthrene	ND		10.0	0.522	ug/L		08/05/25 16:09	08/06/25 18:13	1
Phenol	ND		10.0	0.773	ug/L		08/05/25 16:09	08/06/25 18:13	1
Phorate	ND		10.0	2.51	ug/L		08/05/25 16:09	08/06/25 18:13	1
Pyrene	ND		10.0	0.412	ug/L		08/05/25 16:09	08/06/25 18:13	1
Safrole, Total	ND		10.0	2.21	ug/L		08/05/25 16:09	08/06/25 18:13	1
Sulfotepp	ND		10.0	2.41	ug/L		08/05/25 16:09	08/06/25 18:13	1
O,O-Diethyl O-2-pyrazinyl phosphorothioate	ND		10.0	2.41	ug/L		08/05/25 16:09	08/06/25 18:13	1
Bis(2-ethylhexyl) phthalate	ND		10.0	2.01	ug/L		08/05/25 16:09	08/06/25 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*13 - 134*	*08/05/25 16:09*	*08/06/25 18:13*	*1*
2-Fluorobiphenyl (Surr)	*78*		*45 - 120*	*08/05/25 16:09*	*08/06/25 18:13*	*1*
2-Fluorophenol (Surr)	*73*		*10 - 120*	*08/05/25 16:09*	*08/06/25 18:13*	*1*
Nitrobenzene-d5 (Surr)	*64*		*33 - 120*	*08/05/25 16:09*	*08/06/25 18:13*	*1*
p-Terphenyl-d14 (Surr)	*98*		*26 - 123*	*08/05/25 16:09*	*08/06/25 18:13*	*1*
Phenol-d5 (Surr)	*55*		*10 - 120*	*08/05/25 16:09*	*08/06/25 18:13*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.00	0.600	ug/L		08/11/25 04:22	08/12/25 23:34	1
Arsenic	ND		10.0	2.00	ug/L		08/11/25 04:22	08/12/25 23:34	1
Barium	**126**		10.0	1.30	ug/L		08/11/25 04:22	08/13/25 19:18	1
Beryllium	ND		1.00	0.300	ug/L		08/11/25 04:22	08/12/25 23:34	1
Cadmium	**0.378**	**J**	1.00	0.200	ug/L		08/11/25 04:22	08/12/25 23:34	1
Chromium	ND		5.00	1.00	ug/L		08/11/25 04:22	08/12/25 23:34	1

Client Sample ID: 16MW8 — Lab Sample ID: 410-234898-2

Date Collected: 07/29/25 11:20 — **Matrix: Water**
Date Received: 07/31/25 09:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		5.00	1.00	ug/L		08/11/25 04:22	08/12/25 23:34	1
Copper	**15.9**		5.00	1.70	ug/L		08/11/25 04:22	08/12/25 23:34	1
Lead	ND		3.00	1.00	ug/L		08/11/25 04:22	08/12/25 23:34	1
Nickel	**2.85**	**J**	10.0	2.00	ug/L		08/11/25 04:22	08/12/25 23:34	1
Selenium	ND		10.0	3.00	ug/L		08/11/25 04:22	08/12/25 23:34	1
Silver	ND		2.00	0.300	ug/L		08/11/25 04:22	08/12/25 23:34	1
Thallium	ND		1.00	0.200	ug/L		08/11/25 04:22	08/12/25 23:34	1
Zinc	**32.1**		30.0	7.30	ug/L		08/11/25 04:22	08/12/25 23:34	1
Vanadium	ND		10.0	2.50	ug/L		08/11/25 04:22	08/12/25 23:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		2.00	0.200	ug/L		08/12/25 05:25	08/12/25 20:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		20.0	5.00	ug/L		08/01/25 13:24	08/02/25 00:18	1

Client Sample ID: 16MW9 — Lab Sample ID: 410-234898-3

Date Collected: 07/30/25 13:15 — **Matrix: Water**
Date Received: 07/31/25 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Propanol	ND		100	50.0	ug/L			08/06/25 13:36	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.300	ug/L			08/06/25 19:57	1
1,1,1-Trichloroethane	ND		1.00	0.300	ug/L			08/06/25 19:57	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.300	ug/L			08/06/25 19:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.400	ug/L			08/06/25 19:57	1
1,1,2-Trichloroethane	ND		1.00	0.300	ug/L			08/06/25 19:57	1
1,1-Dichloroethane	**4.91**		1.00	0.300	ug/L			08/06/25 19:57	1
1,1-Dichloroethene	ND		1.00	0.300	ug/L			08/06/25 19:57	1
1,2,3-Trichloropropane	ND		1.00	0.300	ug/L			08/06/25 19:57	1
1,2,4-Trichlorobenzene	ND		1.00	0.600	ug/L			08/06/25 19:57	1
1,2-Dibromo-3-Chloropropane	ND		1.00	0.400	ug/L			08/06/25 19:57	1
1,2-Dibromoethane	ND		1.00	0.300	ug/L			08/06/25 19:57	1
1,2-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 19:57	1
1,2-Dichloroethane	ND		1.00	0.300	ug/L			08/06/25 19:57	1
1,2-Dichloropropane	ND		1.00	0.400	ug/L			08/06/25 19:57	1
1,3-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 19:57	1
1,3-Dichloropropane	ND		1.00	0.400	ug/L			08/06/25 19:57	1
1,4-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 19:57	1
1,4-Dioxane	ND		200	45.5	ug/L			08/06/25 19:57	1
2-Butanone	ND	cn	10.0	1.70	ug/L			08/06/25 19:57	1
2-Hexanone	ND	cn	10.0	2.00	ug/L			08/06/25 19:57	1
4-Methyl-2-pentanone	ND	cn	10.0	2.00	ug/L			08/06/25 19:57	1
Acetone	ND		10.0	2.00	ug/L			08/06/25 19:57	1
Acetonitrile	ND		100	31.6	ug/L			08/06/25 19:57	1
Acrylonitrile	ND		10.0	1.10	ug/L			08/06/25 19:57	1
Allyl chloride	ND		10.0	1.00	ug/L			08/06/25 19:57	1

Client Sample ID: 16MW9
Date Collected: 07/30/25 13:15
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.340**	**J**	1.00	0.300	ug/L			08/06/25 19:57	1
Bromodichloromethane	ND		1.00	0.300	ug/L			08/06/25 19:57	1
Bromoform	ND		1.00	0.400	ug/L			08/06/25 19:57	1
Bromomethane	ND		1.00	0.542	ug/L			08/06/25 19:57	1
Carbon disulfide	ND		10.0	0.400	ug/L			08/06/25 19:57	1
Carbon tetrachloride	ND		1.00	0.300	ug/L			08/06/25 19:57	1
Chloroethane	**1.85**		1.00	0.100	ug/L			08/06/25 19:57	1
Chloroform	ND		1.00	0.300	ug/L			08/06/25 19:57	1
Chloromethane	ND		1.00	0.100	ug/L			08/06/25 19:57	1
Chloroprene	ND		10.0	0.460	ug/L			08/06/25 19:57	1
Dibromochloromethane	ND		1.00	0.400	ug/L			08/06/25 19:57	1
Dibromomethane	ND		1.00	0.300	ug/L			08/06/25 19:57	1
Dichlorodifluoromethane	ND		1.00	0.400	ug/L			08/06/25 19:57	1
Ethyl methacrylate	ND		10.0	0.810	ug/L			08/06/25 19:57	1
Ethylbenzene	ND		1.00	0.300	ug/L			08/06/25 19:57	1
Hexachlorobutadiene	ND		1.00	0.400	ug/L			08/06/25 19:57	1
Isobutyl alcohol	ND		200	11.6	ug/L			08/06/25 19:57	1
m&p-Xylene	ND		2.00	0.400	ug/L			08/06/25 19:57	1
Methacrylonitrile	ND	cn	100	9.75	ug/L			08/06/25 19:57	1
Methyl iodide	ND		10.0	0.580	ug/L			08/06/25 19:57	1
Methyl methacrylate	ND		10.0	3.58	ug/L			08/06/25 19:57	1
Methylene Chloride	ND		1.00	0.700	ug/L			08/06/25 19:57	1
Naphthalene	ND		1.00	0.400	ug/L			08/06/25 19:57	1
o-Xylene	ND		1.00	0.400	ug/L			08/06/25 19:57	1
Pentachloroethane	ND		10.0	1.70	ug/L			08/06/25 19:57	1
Propionitrile	ND	cn	100	10.2	ug/L			08/06/25 19:57	1
Styrene	ND		1.00	0.300	ug/L			08/06/25 19:57	1
Tetrachloroethene	ND		1.00	0.300	ug/L			08/06/25 19:57	1
Tetrahydrofuran	ND	cn	25.0	2.00	ug/L			08/06/25 19:57	1
Toluene	ND		1.00	0.300	ug/L			08/06/25 19:57	1
trans-1,2-Dichloroethene	ND		1.00	0.300	ug/L			08/06/25 19:57	1
trans-1,3-Dichloropropene	ND		1.00	0.400	ug/L			08/06/25 19:57	1
Trichloroethene	ND		1.00	0.300	ug/L			08/06/25 19:57	1
Trichlorofluoromethane	ND		1.00	0.400	ug/L			08/06/25 19:57	1
Vinyl acetate	ND		10.0	3.29	ug/L			08/06/25 19:57	1
Vinyl chloride	ND		1.00	0.200	ug/L			08/06/25 19:57	1
Xylenes, Total	ND		3.00	0.400	ug/L			08/06/25 19:57	1
Dimethyl ether	**1.16**		0.500	0.300	ug/L			08/06/25 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*08/06/25 19:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*80 - 120*		*08/06/25 13:36*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*08/06/25 19:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*08/06/25 19:57*	*1*
Dibromofluoromethane (Surr)	*116*		*80 - 120*		*08/06/25 13:36*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*08/06/25 13:36*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/06/25 19:57*	*1*
Toluene-d8 (Surr)	*117*		*80 - 120*		*08/06/25 13:36*	*1*

Client Sample ID: 16MW9

Date Collected: 07/30/25 13:15
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl ether	60.4	J	100	11.1	ug/L			08/06/25 20:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*08/06/25 20:19*	*10*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*08/06/25 20:19*	*10*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*08/06/25 20:19*	*10*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/06/25 20:19*	*10*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		10.0	2.01	ug/L		08/06/25 07:35	08/07/25 16:16	1
1,3-Dinitrobenzene	ND		10.0	2.31	ug/L		08/06/25 07:35	08/07/25 16:16	1
bis (2-chloroisopropyl) ether	ND	cn	10.0	0.602	ug/L		08/06/25 07:35	08/07/25 16:16	1
2,3,4,6-Tetrachlorophenol	ND		10.0	1.81	ug/L		08/06/25 07:35	08/07/25 16:16	1
2,4,5-Trichlorophenol	ND		10.0	2.01	ug/L		08/06/25 07:35	08/07/25 16:16	1
2,4,6-Trichlorophenol	ND		10.0	1.81	ug/L		08/06/25 07:35	08/07/25 16:16	1
2,4-Dichlorophenol	ND		10.0	1.59	ug/L		08/06/25 07:35	08/07/25 16:16	1
2,4-Dinitrotoluene	ND		10.0	2.11	ug/L		08/06/25 07:35	08/07/25 16:16	1
2,6-Dichlorophenol	ND		10.0	1.40	ug/L		08/06/25 07:35	08/07/25 16:16	1
2,6-Dinitrotoluene	ND		10.0	2.11	ug/L		08/06/25 07:35	08/07/25 16:16	1
2-Chloronaphthalene	ND		10.0	0.501	ug/L		08/06/25 07:35	08/07/25 16:16	1
2-Chlorophenol	ND		10.0	1.00	ug/L		08/06/25 07:35	08/07/25 16:16	1
2-Methylnaphthalene	ND		10.0	0.291	ug/L		08/06/25 07:35	08/07/25 16:16	1
o-Cresol	ND		10.0	0.963	ug/L		08/06/25 07:35	08/07/25 16:16	1
2-Nitroaniline	ND		10.0	1.00	ug/L		08/06/25 07:35	08/07/25 16:16	1
2-Nitrophenol	ND		10.0	1.27	ug/L		08/06/25 07:35	08/07/25 16:16	1
4-Bromophenyl-phenylether	ND		10.0	0.562	ug/L		08/06/25 07:35	08/07/25 16:16	1
4-Chloro-3-methylphenol	ND		10.0	1.00	ug/L		08/06/25 07:35	08/07/25 16:16	1
4-Chlorophenyl-phenyl ether	ND		10.0	0.602	ug/L		08/06/25 07:35	08/07/25 16:16	1
m & p-Cresol	ND		20.1	2.48	ug/L		08/06/25 07:35	08/07/25 16:16	1
5-Nitro-o-toluidine	ND		10.0	2.01	ug/L		08/06/25 07:35	08/07/25 16:16	1
Acenaphthene	ND		10.0	0.351	ug/L		08/06/25 07:35	08/07/25 16:16	1
Acenaphthylene	ND		10.0	0.481	ug/L		08/06/25 07:35	08/07/25 16:16	1
Anthracene	ND		10.0	0.521	ug/L		08/06/25 07:35	08/07/25 16:16	1
Benzo[a]anthracene	ND		10.0	0.451	ug/L		08/06/25 07:35	08/07/25 16:16	1
Benzo[a]pyrene	ND		10.0	1.50	ug/L		08/06/25 07:35	08/07/25 16:16	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		08/06/25 07:35	08/07/25 16:16	1
Benzo[g,h,i]perylene	ND		10.0	0.421	ug/L		08/06/25 07:35	08/07/25 16:16	1
Benzo[k]fluoranthene	ND		10.0	1.60	ug/L		08/06/25 07:35	08/07/25 16:16	1
Chrysene	ND		10.0	0.311	ug/L		08/06/25 07:35	08/07/25 16:16	1
Diallate	ND		10.0	3.01	ug/L		08/06/25 07:35	08/07/25 16:16	1
Dibenz(a,h)anthracene	ND		10.0	0.381	ug/L		08/06/25 07:35	08/07/25 16:16	1
Dibenzofuran	ND		10.0	0.602	ug/L		08/06/25 07:35	08/07/25 16:16	1
Diethyl phthalate	ND		10.0	2.01	ug/L		08/06/25 07:35	08/07/25 16:16	1
Dimethoate	ND	*1	10.0	3.01	ug/L		08/06/25 07:35	08/07/25 16:16	1
Ethyl methanesulfonate	ND		10.0	1.10	ug/L		08/06/25 07:35	08/07/25 16:16	1
Fluoranthene	ND		10.0	0.421	ug/L		08/06/25 07:35	08/07/25 16:16	1
Fluorene	ND		10.0	0.381	ug/L		08/06/25 07:35	08/07/25 16:16	1
Hexachlorobenzene	ND		10.0	0.872	ug/L		08/06/25 07:35	08/07/25 16:16	1
Hexachloropropene	ND		10.0	2.01	ug/L		08/06/25 07:35	08/07/25 16:16	1

Client Sample ID: 16MW9
Date Collected: 07/30/25 13:15
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		10.0	0.150	ug/L		08/06/25 07:35	08/07/25 16:16	1
Isodrin	ND		10.0	1.10	ug/L		08/06/25 07:35	08/07/25 16:16	1
Kepone	ND		50.1	25.1	ug/L		08/06/25 07:35	08/07/25 16:16	1
N-Nitrosodiethylamine	ND		10.0	3.01	ug/L		08/06/25 07:35	08/07/25 16:16	1
N-Nitrosodimethylamine	ND		10.0	2.01	ug/L		08/06/25 07:35	08/07/25 16:16	1
n-Nitrosodiphenylamine(as diphenylamine)	ND		10.0	0.582	ug/L		08/06/25 07:35	08/07/25 16:16	1
N-Nitrosomorpholine	ND		10.0	3.01	ug/L		08/06/25 07:35	08/07/25 16:16	1
N-Nitrosopiperidine	ND		10.0	1.10	ug/L		08/06/25 07:35	08/07/25 16:16	1
Nitrobenzene	ND		10.0	0.602	ug/L		08/06/25 07:35	08/07/25 16:16	1
o,o',o''-Triethylphosphorothioate	ND		10.0	2.61	ug/L		08/06/25 07:35	08/07/25 16:16	1
Pentachlorobenzene	ND		10.0	1.60	ug/L		08/06/25 07:35	08/07/25 16:16	1
Phenacetin	ND		10.0	1.40	ug/L		08/06/25 07:35	08/07/25 16:16	1
Pentachlorophenol	ND		10.0	3.01	ug/L		08/06/25 07:35	08/07/25 16:16	1
Phenanthrene	ND		10.0	0.521	ug/L		08/06/25 07:35	08/07/25 16:16	1
Phenol	ND		10.0	0.772	ug/L		08/06/25 07:35	08/07/25 16:16	1
Phorate	ND		10.0	2.51	ug/L		08/06/25 07:35	08/07/25 16:16	1
Pyrene	ND		10.0	0.411	ug/L		08/06/25 07:35	08/07/25 16:16	1
Safrole, Total	ND		10.0	2.21	ug/L		08/06/25 07:35	08/07/25 16:16	1
Sulfotepp	ND		10.0	2.41	ug/L		08/06/25 07:35	08/07/25 16:16	1
O,O-Diethyl O-2-pyrazinyl phosphorothioate	ND		10.0	2.41	ug/L		08/06/25 07:35	08/07/25 16:16	1
Bis(2-ethylhexyl) phthalate	ND		10.0	2.01	ug/L		08/06/25 07:35	08/07/25 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*64*		*13 - 134*	*08/06/25 07:35*	*08/07/25 16:16*	*1*
2-Fluorobiphenyl (Surr)	*80*		*45 - 120*	*08/06/25 07:35*	*08/07/25 16:16*	*1*
2-Fluorophenol (Surr)	*32*		*10 - 120*	*08/06/25 07:35*	*08/07/25 16:16*	*1*
Nitrobenzene-d5 (Surr)	*72*		*33 - 120*	*08/06/25 07:35*	*08/07/25 16:16*	*1*
p-Terphenyl-d14 (Surr)	*89*		*26 - 123*	*08/06/25 07:35*	*08/07/25 16:16*	*1*
Phenol-d5 (Surr)	*25*		*10 - 120*	*08/06/25 07:35*	*08/07/25 16:16*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.00	0.600	ug/L		08/11/25 04:22	08/12/25 23:28	1
Arsenic	**2.46**	**J**	10.0	2.00	ug/L		08/11/25 04:22	08/12/25 23:28	1
Barium	**587**		10.0	1.30	ug/L		08/11/25 04:22	08/13/25 19:12	1
Beryllium	ND		1.00	0.300	ug/L		08/11/25 04:22	08/12/25 23:28	1
Cadmium	ND		1.00	0.200	ug/L		08/11/25 04:22	08/12/25 23:28	1
Chromium	ND		5.00	1.00	ug/L		08/11/25 04:22	08/12/25 23:28	1
Cobalt	**4.55**	**J**	5.00	1.00	ug/L		08/11/25 04:22	08/12/25 23:28	1
Copper	ND		5.00	1.70	ug/L		08/11/25 04:22	08/12/25 23:28	1
Lead	ND		3.00	1.00	ug/L		08/11/25 04:22	08/12/25 23:28	1
Nickel	**11.5**		10.0	2.00	ug/L		08/11/25 04:22	08/12/25 23:28	1
Selenium	ND		10.0	3.00	ug/L		08/11/25 04:22	08/12/25 23:28	1
Silver	ND		2.00	0.300	ug/L		08/11/25 04:22	08/12/25 23:28	1
Thallium	ND		1.00	0.200	ug/L		08/11/25 04:22	08/12/25 23:28	1
Zinc	ND		30.0	7.30	ug/L		08/11/25 04:22	08/12/25 23:28	1
Vanadium	ND		10.0	2.50	ug/L		08/11/25 04:22	08/12/25 23:28	1

Client Sample ID: 16MW9 — Lab Sample ID: 410-234898-3

Date Collected: 07/30/25 13:15 — **Matrix: Water**
Date Received: 07/31/25 09:20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		2.00	0.200	ug/L		08/12/25 05:25	08/12/25 20:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		20.0	5.00	ug/L		08/01/25 13:24	08/02/25 00:23	1

Client Sample ID: 16WC1A — Lab Sample ID: 410-234898-4

Date Collected: 07/30/25 11:05 — **Matrix: Water**
Date Received: 07/31/25 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Propanol	ND		100	50.0	ug/L			08/06/25 13:56	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.300	ug/L			08/06/25 14:45	1
1,1,1-Trichloroethane	ND		1.00	0.300	ug/L			08/06/25 14:45	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.300	ug/L			08/06/25 14:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	1.00	0.400	ug/L			08/06/25 14:45	1
1,1,2-Trichloroethane	ND		1.00	0.300	ug/L			08/06/25 14:45	1
1,1-Dichloroethane	**2.44**		1.00	0.300	ug/L			08/06/25 14:45	1
1,1-Dichloroethene	ND	F1	1.00	0.300	ug/L			08/06/25 14:45	1
1,2,3-Trichloropropane	ND		1.00	0.300	ug/L			08/06/25 14:45	1
1,2,4-Trichlorobenzene	ND		1.00	0.600	ug/L			08/06/25 14:45	1
1,2-Dibromo-3-Chloropropane	ND		1.00	0.400	ug/L			08/06/25 14:45	1
1,2-Dibromoethane	ND		1.00	0.300	ug/L			08/06/25 14:45	1
1,2-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 14:45	1
1,2-Dichloroethane	ND		1.00	0.300	ug/L			08/06/25 14:45	1
1,2-Dichloropropane	ND		1.00	0.400	ug/L			08/06/25 14:45	1
1,3-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 14:45	1
1,3-Dichloropropane	ND		1.00	0.400	ug/L			08/06/25 14:45	1
1,4-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 14:45	1
1,4-Dioxane	ND		200	45.5	ug/L			08/06/25 14:45	1
2-Butanone	ND	cn	10.0	1.70	ug/L			08/06/25 14:45	1
2-Hexanone	ND	cn	10.0	2.00	ug/L			08/06/25 14:45	1
4-Methyl-2-pentanone	ND	cn	10.0	2.00	ug/L			08/06/25 14:45	1
Acetone	ND		10.0	2.00	ug/L			08/06/25 14:45	1
Acetonitrile	ND		100	31.6	ug/L			08/06/25 14:45	1
Acrylonitrile	ND		10.0	1.10	ug/L			08/06/25 14:45	1
Allyl chloride	ND		10.0	1.00	ug/L			08/06/25 14:45	1
Benzene	ND		1.00	0.300	ug/L			08/06/25 14:45	1
Bromodichloromethane	ND		1.00	0.300	ug/L			08/06/25 14:45	1
Bromoform	ND		1.00	0.400	ug/L			08/06/25 14:45	1
Bromomethane	ND	F1	1.00	0.542	ug/L			08/06/25 14:45	1
Carbon disulfide	ND		10.0	0.400	ug/L			08/06/25 14:45	1
Carbon tetrachloride	ND		1.00	0.300	ug/L			08/06/25 14:45	1
Chloroethane	**1.53**	**F1**	1.00	0.100	ug/L			08/06/25 14:45	1
Chloroform	ND		1.00	0.300	ug/L			08/06/25 14:45	1
Chloromethane	ND		1.00	0.100	ug/L			08/06/25 14:45	1
Chloroprene	ND		10.0	0.460	ug/L			08/06/25 14:45	1
Dibromochloromethane	ND		1.00	0.400	ug/L			08/06/25 14:45	1
Dibromomethane	ND		1.00	0.300	ug/L			08/06/25 14:45	1

Client Sample ID: 16WC1A
Date Collected: 07/30/25 11:05
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.00	0.400	ug/L			08/06/25 14:45	1
Diethyl ether	**21.8**		10.0	1.11	ug/L			08/06/25 14:45	1
Ethyl methacrylate	ND		10.0	0.810	ug/L			08/06/25 14:45	1
Ethylbenzene	ND		1.00	0.300	ug/L			08/06/25 14:45	1
Hexachlorobutadiene	ND		1.00	0.400	ug/L			08/06/25 14:45	1
Isobutyl alcohol	ND		200	11.6	ug/L			08/06/25 14:45	1
m&p-Xylene	ND		2.00	0.400	ug/L			08/06/25 14:45	1
Methacrylonitrile	ND	cn	100	9.75	ug/L			08/06/25 14:45	1
Methyl iodide	ND		10.0	0.580	ug/L			08/06/25 14:45	1
Methyl methacrylate	ND		10.0	3.58	ug/L			08/06/25 14:45	1
Methylene Chloride	ND	F1	1.00	0.700	ug/L			08/06/25 14:45	1
Naphthalene	ND		1.00	0.400	ug/L			08/06/25 14:45	1
o-Xylene	ND		1.00	0.400	ug/L			08/06/25 14:45	1
Pentachloroethane	ND		10.0	1.70	ug/L			08/06/25 14:45	1
Propionitrile	ND	cn	100	10.2	ug/L			08/06/25 14:45	1
Styrene	ND		1.00	0.300	ug/L			08/06/25 14:45	1
Tetrachloroethene	ND		1.00	0.300	ug/L			08/06/25 14:45	1
Tetrahydrofuran	ND	cn	25.0	2.00	ug/L			08/06/25 14:45	1
Toluene	ND		1.00	0.300	ug/L			08/06/25 14:45	1
trans-1,2-Dichloroethene	ND		1.00	0.300	ug/L			08/06/25 14:45	1
trans-1,3-Dichloropropene	ND		1.00	0.400	ug/L			08/06/25 14:45	1
Trichloroethene	ND		1.00	0.300	ug/L			08/06/25 14:45	1
Trichlorofluoromethane	ND	F1	1.00	0.400	ug/L			08/06/25 14:45	1
Vinyl acetate	ND		10.0	3.29	ug/L			08/06/25 14:45	1
Vinyl chloride	ND		1.00	0.200	ug/L			08/06/25 14:45	1
Xylenes, Total	ND		3.00	0.400	ug/L			08/06/25 14:45	1
Dimethyl ether	**0.765**		0.500	0.300	ug/L			08/06/25 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*08/06/25 14:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*80 - 120*		*08/06/25 13:56*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*08/06/25 14:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*08/06/25 14:45*	*1*
Dibromofluoromethane (Surr)	*116*		*80 - 120*		*08/06/25 13:56*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*08/06/25 13:56*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/06/25 14:45*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*08/06/25 13:56*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND	cn	10.1	2.01	ug/L		08/06/25 07:35	08/07/25 16:36	1
1,3-Dinitrobenzene	ND	cn	10.1	2.31	ug/L		08/06/25 07:35	08/07/25 16:36	1
bis (2-chloroisopropyl) ether	ND	cn	10.1	0.604	ug/L		08/06/25 07:35	08/07/25 16:36	1
2,3,4,6-Tetrachlorophenol	ND	F1 cn	10.1	1.81	ug/L		08/06/25 07:35	08/07/25 16:36	1
2,4,5-Trichlorophenol	ND	F1 cn	10.1	2.01	ug/L		08/06/25 07:35	08/07/25 16:36	1
2,4,6-Trichlorophenol	ND	F1 cn	10.1	1.81	ug/L		08/06/25 07:35	08/07/25 16:36	1
2,4-Dichlorophenol	ND	F2 F1 cn	10.1	1.60	ug/L		08/06/25 07:35	08/07/25 16:36	1
2,4-Dinitrotoluene	ND	cn	10.1	2.11	ug/L		08/06/25 07:35	08/07/25 16:36	1
2,6-Dichlorophenol	ND	F1 cn	10.1	1.41	ug/L		08/06/25 07:35	08/07/25 16:36	1
2,6-Dinitrotoluene	ND	cn	10.1	2.11	ug/L		08/06/25 07:35	08/07/25 16:36	1

Client Sample ID: 16WC1A
Date Collected: 07/30/25 11:05
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND	cn	10.1	0.503	ug/L		08/06/25 07:35	08/07/25 16:36	1
2-Chlorophenol	ND	F2 F1 cn	10.1	1.01	ug/L		08/06/25 07:35	08/07/25 16:36	1
2-Methylnaphthalene	ND	cn	10.1	0.292	ug/L		08/06/25 07:35	08/07/25 16:36	1
o-Cresol	ND	F2 F1 cn	10.1	0.966	ug/L		08/06/25 07:35	08/07/25 16:36	1
2-Nitroaniline	ND	cn	10.1	1.01	ug/L		08/06/25 07:35	08/07/25 16:36	1
2-Nitrophenol	ND	cn	10.1	1.28	ug/L		08/06/25 07:35	08/07/25 16:36	1
4-Bromophenyl-phenylether	ND	cn	10.1	0.563	ug/L		08/06/25 07:35	08/07/25 16:36	1
4-Chloro-3-methylphenol	ND	F2 F1 cn	10.1	1.01	ug/L		08/06/25 07:35	08/07/25 16:36	1
4-Chlorophenyl-phenyl ether	ND	cn	10.1	0.604	ug/L		08/06/25 07:35	08/07/25 16:36	1
m & p-Cresol	ND	F2 F1 cn	20.1	2.48	ug/L		08/06/25 07:35	08/07/25 16:36	1
5-Nitro-o-toluidine	ND	cn	10.1	2.01	ug/L		08/06/25 07:35	08/07/25 16:36	1
Acenaphthene	ND	cn	10.1	0.352	ug/L		08/06/25 07:35	08/07/25 16:36	1
Acenaphthylene	ND	cn	10.1	0.483	ug/L		08/06/25 07:35	08/07/25 16:36	1
Anthracene	ND	cn	10.1	0.523	ug/L		08/06/25 07:35	08/07/25 16:36	1
Benzo[a]anthracene	ND	cn	10.1	0.453	ug/L		08/06/25 07:35	08/07/25 16:36	1
Benzo[a]pyrene	ND	cn	10.1	1.51	ug/L		08/06/25 07:35	08/07/25 16:36	1
Benzo[b]fluoranthene	ND	cn	10.1	1.21	ug/L		08/06/25 07:35	08/07/25 16:36	1
Benzo[g,h,i]perylene	ND	cn	10.1	0.423	ug/L		08/06/25 07:35	08/07/25 16:36	1
Benzo[k]fluoranthene	ND	cn	10.1	1.61	ug/L		08/06/25 07:35	08/07/25 16:36	1
Chrysene	ND	cn	10.1	0.312	ug/L		08/06/25 07:35	08/07/25 16:36	1
Diallate	ND	cn	10.1	3.02	ug/L		08/06/25 07:35	08/07/25 16:36	1
Dibenz(a,h)anthracene	ND	cn	10.1	0.382	ug/L		08/06/25 07:35	08/07/25 16:36	1
Dibenzofuran	ND	cn	10.1	0.604	ug/L		08/06/25 07:35	08/07/25 16:36	1
Diethyl phthalate	ND	cn	10.1	2.01	ug/L		08/06/25 07:35	08/07/25 16:36	1
Dimethoate	ND	*1 cn	10.1	3.02	ug/L		08/06/25 07:35	08/07/25 16:36	1
Ethyl methanesulfonate	ND	cn	10.1	1.11	ug/L		08/06/25 07:35	08/07/25 16:36	1
Fluoranthene	ND	cn	10.1	0.423	ug/L		08/06/25 07:35	08/07/25 16:36	1
Fluorene	ND	cn	10.1	0.382	ug/L		08/06/25 07:35	08/07/25 16:36	1
Hexachlorobenzene	ND	cn	10.1	0.875	ug/L		08/06/25 07:35	08/07/25 16:36	1
Hexachloropropene	ND	cn	10.1	2.01	ug/L		08/06/25 07:35	08/07/25 16:36	1
Indeno[1,2,3-cd]pyrene	ND	cn	10.1	0.151	ug/L		08/06/25 07:35	08/07/25 16:36	1
Isodrin	ND	cn	10.1	1.11	ug/L		08/06/25 07:35	08/07/25 16:36	1
Kepone	ND	cn	50.3	25.2	ug/L		08/06/25 07:35	08/07/25 16:36	1
N-Nitrosodiethylamine	ND	cn	10.1	3.02	ug/L		08/06/25 07:35	08/07/25 16:36	1
N-Nitrosodimethylamine	ND	cn	10.1	2.01	ug/L		08/06/25 07:35	08/07/25 16:36	1
n-Nitrosodiphenylamine(as diphenylamine)	ND	cn	10.1	0.584	ug/L		08/06/25 07:35	08/07/25 16:36	1
N-Nitrosomorpholine	ND	cn	10.1	3.02	ug/L		08/06/25 07:35	08/07/25 16:36	1
N-Nitrosopiperidine	ND	cn	10.1	1.11	ug/L		08/06/25 07:35	08/07/25 16:36	1
Nitrobenzene	ND	cn	10.1	0.604	ug/L		08/06/25 07:35	08/07/25 16:36	1
o,o',o''-Triethylphosphorothioate	ND	cn	10.1	2.62	ug/L		08/06/25 07:35	08/07/25 16:36	1
Pentachlorobenzene	ND	cn	10.1	1.61	ug/L		08/06/25 07:35	08/07/25 16:36	1
Phenacetin	ND	cn	10.1	1.41	ug/L		08/06/25 07:35	08/07/25 16:36	1
Pentachlorophenol	ND	F1 cn	10.1	3.02	ug/L		08/06/25 07:35	08/07/25 16:36	1
Phenanthrene	ND	cn	10.1	0.523	ug/L		08/06/25 07:35	08/07/25 16:36	1
Phenol	ND	F2 F1 cn	10.1	0.775	ug/L		08/06/25 07:35	08/07/25 16:36	1
Phorate	ND	cn	10.1	2.52	ug/L		08/06/25 07:35	08/07/25 16:36	1
Pyrene	ND	cn	10.1	0.412	ug/L		08/06/25 07:35	08/07/25 16:36	1
Safrole, Total	ND	cn	10.1	2.21	ug/L		08/06/25 07:35	08/07/25 16:36	1
Sulfotepp	ND	cn	10.1	2.41	ug/L		08/06/25 07:35	08/07/25 16:36	1

Client Sample ID: 16WC1A
Lab Sample ID: 410-234898-4

Date Collected: 07/30/25 11:05
Matrix: Water
Date Received: 07/31/25 09:20

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
O,O-Diethyl O-2-pyrazinyl phosphorothioate	ND	cn	10.1	2.41	ug/L		08/06/25 07:35	08/07/25 16:36	1
Bis(2-ethylhexyl) phthalate	ND	cn	10.1	2.01	ug/L		08/06/25 07:35	08/07/25 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*10*	*S1- cn*	*13 - 134*	*08/06/25 07:35*	*08/07/25 16:36*	*1*
2-Fluorobiphenyl (Surr)	*79*	*cn*	*45 - 120*	*08/06/25 07:35*	*08/07/25 16:36*	*1*
2-Fluorophenol (Surr)	*3*	*S1- cn*	*10 - 120*	*08/06/25 07:35*	*08/07/25 16:36*	*1*
Nitrobenzene-d5 (Surr)	*70*	*cn*	*33 - 120*	*08/06/25 07:35*	*08/07/25 16:36*	*1*
p-Terphenyl-d14 (Surr)	*69*	*cn*	*26 - 123*	*08/06/25 07:35*	*08/07/25 16:36*	*1*
Phenol-d5 (Surr)	*9*	*S1- cn*	*10 - 120*	*08/06/25 07:35*	*08/07/25 16:36*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND	H	10.1	2.01	ug/L		08/10/25 16:20	08/12/25 04:38	1
1,3-Dinitrobenzene	ND	H	10.1	2.31	ug/L		08/10/25 16:20	08/12/25 04:38	1
bis (2-chloroisopropyl) ether	ND	H	10.1	0.603	ug/L		08/10/25 16:20	08/12/25 04:38	1
2,3,4,6-Tetrachlorophenol	ND	H	10.1	1.81	ug/L		08/10/25 16:20	08/12/25 04:38	1
2,4,5-Trichlorophenol	ND	H	10.1	2.01	ug/L		08/10/25 16:20	08/12/25 04:38	1
2,4,6-Trichlorophenol	ND	H	10.1	1.81	ug/L		08/10/25 16:20	08/12/25 04:38	1
2,4-Dichlorophenol	ND	H	10.1	1.60	ug/L		08/10/25 16:20	08/12/25 04:38	1
2,4-Dinitrotoluene	ND	H	10.1	2.11	ug/L		08/10/25 16:20	08/12/25 04:38	1
2,6-Dichlorophenol	ND	H	10.1	1.41	ug/L		08/10/25 16:20	08/12/25 04:38	1
2,6-Dinitrotoluene	ND	H	10.1	2.11	ug/L		08/10/25 16:20	08/12/25 04:38	1
2-Chloronaphthalene	ND	H	10.1	0.503	ug/L		08/10/25 16:20	08/12/25 04:38	1
2-Chlorophenol	ND	H	10.1	1.01	ug/L		08/10/25 16:20	08/12/25 04:38	1
2-Methylnaphthalene	ND	H	10.1	0.292	ug/L		08/10/25 16:20	08/12/25 04:38	1
o-Cresol	ND	H	10.1	0.965	ug/L		08/10/25 16:20	08/12/25 04:38	1
2-Nitroaniline	ND	H	10.1	1.01	ug/L		08/10/25 16:20	08/12/25 04:38	1
2-Nitrophenol	ND	H	10.1	1.28	ug/L		08/10/25 16:20	08/12/25 04:38	1
4-Bromophenyl-phenylether	ND	H	10.1	0.563	ug/L		08/10/25 16:20	08/12/25 04:38	1
4-Chloro-3-methylphenol	ND	H	10.1	1.01	ug/L		08/10/25 16:20	08/12/25 04:38	1
4-Chlorophenyl-phenyl ether	ND	H	10.1	0.603	ug/L		08/10/25 16:20	08/12/25 04:38	1
m & p-Cresol	ND	H	20.1	2.48	ug/L		08/10/25 16:20	08/12/25 04:38	1
5-Nitro-o-toluidine	ND	H	10.1	2.01	ug/L		08/10/25 16:20	08/12/25 04:38	1
Acenaphthene	ND	H	10.1	0.352	ug/L		08/10/25 16:20	08/12/25 04:38	1
Acenaphthylene	ND	H	10.1	0.483	ug/L		08/10/25 16:20	08/12/25 04:38	1
Anthracene	ND	H	10.1	0.523	ug/L		08/10/25 16:20	08/12/25 04:38	1
Benzo[a]anthracene	ND	H	10.1	0.453	ug/L		08/10/25 16:20	08/12/25 04:38	1
Benzo[a]pyrene	ND	H	10.1	1.51	ug/L		08/10/25 16:20	08/12/25 04:38	1
Benzo[b]fluoranthene	ND	H	10.1	1.21	ug/L		08/10/25 16:20	08/12/25 04:38	1
Benzo[g,h,i]perylene	ND	H	10.1	0.422	ug/L		08/10/25 16:20	08/12/25 04:38	1
Benzo[k]fluoranthene	ND	H	10.1	1.61	ug/L		08/10/25 16:20	08/12/25 04:38	1
Chrysene	ND	H	10.1	0.312	ug/L		08/10/25 16:20	08/12/25 04:38	1
Diallate	ND	H	10.1	3.02	ug/L		08/10/25 16:20	08/12/25 04:38	1
Dibenz(a,h)anthracene	ND	H	10.1	0.382	ug/L		08/10/25 16:20	08/12/25 04:38	1
Dibenzofuran	ND	H	10.1	0.603	ug/L		08/10/25 16:20	08/12/25 04:38	1
Diethyl phthalate	ND	H	10.1	2.01	ug/L		08/10/25 16:20	08/12/25 04:38	1
Dimethoate	ND	H	10.1	3.02	ug/L		08/10/25 16:20	08/12/25 04:38	1
Ethyl methanesulfonate	ND	H	10.1	1.11	ug/L		08/10/25 16:20	08/12/25 04:38	1

Client Sample ID: 16WC1A
Date Collected: 07/30/25 11:05
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND	H	10.1	0.422	ug/L		08/10/25 16:20	08/12/25 04:38	1
Fluorene	ND	H	10.1	0.382	ug/L		08/10/25 16:20	08/12/25 04:38	1
Hexachlorobenzene	ND	H	10.1	0.875	ug/L		08/10/25 16:20	08/12/25 04:38	1
Hexachloropropene	ND	H	10.1	2.01	ug/L		08/10/25 16:20	08/12/25 04:38	1
Indeno[1,2,3-cd]pyrene	ND	H	10.1	0.151	ug/L		08/10/25 16:20	08/12/25 04:38	1
Isodrin	ND	H	10.1	1.11	ug/L		08/10/25 16:20	08/12/25 04:38	1
Kepone	ND	H *-	50.3	25.1	ug/L		08/10/25 16:20	08/12/25 04:38	1
N-Nitrosodiethylamine	ND	H	10.1	3.02	ug/L		08/10/25 16:20	08/12/25 04:38	1
N-Nitrosodimethylamine	ND	H	10.1	2.01	ug/L		08/10/25 16:20	08/12/25 04:38	1
n-Nitrosodiphenylamine(as diphenylamine)	ND	H	10.1	0.583	ug/L		08/10/25 16:20	08/12/25 04:38	1
N-Nitrosomorpholine	ND	H	10.1	3.02	ug/L		08/10/25 16:20	08/12/25 04:38	1
N-Nitrosopiperidine	ND	H	10.1	1.11	ug/L		08/10/25 16:20	08/12/25 04:38	1
Nitrobenzene	ND	H	10.1	0.603	ug/L		08/10/25 16:20	08/12/25 04:38	1
o,o',o''-Triethylphosphorothioate	ND	H	10.1	2.61	ug/L		08/10/25 16:20	08/12/25 04:38	1
Pentachlorobenzene	ND	H	10.1	1.61	ug/L		08/10/25 16:20	08/12/25 04:38	1
Phenacetin	ND	H	10.1	1.41	ug/L		08/10/25 16:20	08/12/25 04:38	1
Pentachlorophenol	ND	H	10.1	3.02	ug/L		08/10/25 16:20	08/12/25 04:38	1
Phenanthrene	ND	H	10.1	0.523	ug/L		08/10/25 16:20	08/12/25 04:38	1
Phenol	ND	H	10.1	0.774	ug/L		08/10/25 16:20	08/12/25 04:38	1
Phorate	ND	H	10.1	2.51	ug/L		08/10/25 16:20	08/12/25 04:38	1
Pyrene	ND	H	10.1	0.412	ug/L		08/10/25 16:20	08/12/25 04:38	1
Safrole, Total	ND	H	10.1	2.21	ug/L		08/10/25 16:20	08/12/25 04:38	1
Sulfotepp	ND	H	10.1	2.41	ug/L		08/10/25 16:20	08/12/25 04:38	1
O,O-Diethyl O-2-pyrazinyl phosphorothioate	ND	H	10.1	2.41	ug/L		08/10/25 16:20	08/12/25 04:38	1
Bis(2-ethylhexyl) phthalate	ND	H	10.1	2.01	ug/L		08/10/25 16:20	08/12/25 04:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*13 - 134*	*08/10/25 16:20*	*08/12/25 04:38*	*1*
2-Fluorobiphenyl (Surr)	*77*		*45 - 120*	*08/10/25 16:20*	*08/12/25 04:38*	*1*
2-Fluorophenol (Surr)	*39*		*10 - 120*	*08/10/25 16:20*	*08/12/25 04:38*	*1*
Nitrobenzene-d5 (Surr)	*80*		*33 - 120*	*08/10/25 16:20*	*08/12/25 04:38*	*1*
p-Terphenyl-d14 (Surr)	*56*		*26 - 123*	*08/10/25 16:20*	*08/12/25 04:38*	*1*
Phenol-d5 (Surr)	*42*		*10 - 120*	*08/10/25 16:20*	*08/12/25 04:38*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.00	0.600	ug/L		08/11/25 04:22	08/12/25 23:20	1
Arsenic	**4.80**	**J**	10.0	2.00	ug/L		08/11/25 04:22	08/12/25 23:20	1
Barium	**366**		10.0	1.30	ug/L		08/11/25 04:22	08/13/25 19:03	1
Beryllium	ND		1.00	0.300	ug/L		08/11/25 04:22	08/12/25 23:20	1
Cadmium	ND		1.00	0.200	ug/L		08/11/25 04:22	08/12/25 23:20	1
Chromium	ND		5.00	1.00	ug/L		08/11/25 04:22	08/12/25 23:20	1
Cobalt	**11.0**		5.00	1.00	ug/L		08/11/25 04:22	08/12/25 23:20	1
Copper	ND		5.00	1.70	ug/L		08/11/25 04:22	08/12/25 23:20	1
Lead	ND		3.00	1.00	ug/L		08/11/25 04:22	08/12/25 23:20	1
Nickel	**10.0**		10.0	2.00	ug/L		08/11/25 04:22	08/12/25 23:20	1
Selenium	ND		10.0	3.00	ug/L		08/11/25 04:22	08/12/25 23:20	1
Silver	ND		2.00	0.300	ug/L		08/11/25 04:22	08/12/25 23:20	1

Client Sample ID: 16WC1A — Lab Sample ID: 410-234898-4

Date Collected: 07/30/25 11:05 — **Matrix: Water**
Date Received: 07/31/25 09:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.00	0.200	ug/L		08/11/25 04:22	08/12/25 23:20	1
Zinc	ND		30.0	7.30	ug/L		08/11/25 04:22	08/12/25 23:20	1
Vanadium	ND		10.0	2.50	ug/L		08/11/25 04:22	08/12/25 23:20	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		2.00	0.200	ug/L		08/12/25 05:25	08/12/25 19:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND	F1 cn	20.0	5.00	ug/L		08/05/25 13:00	08/05/25 23:37	1

Client Sample ID: 16WDUP — Lab Sample ID: 410-234898-5

Date Collected: 07/30/25 09:25 — **Matrix: Water**
Date Received: 07/31/25 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Propanol	ND		100	50.0	ug/L			08/06/25 14:57	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.300	ug/L			08/06/25 16:37	1
1,1,1-Trichloroethane	ND		1.00	0.300	ug/L			08/06/25 16:37	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.300	ug/L			08/06/25 16:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.400	ug/L			08/06/25 16:37	1
1,1,2-Trichloroethane	ND		1.00	0.300	ug/L			08/06/25 16:37	1
1,1-Dichloroethane	**2.38**		1.00	0.300	ug/L			08/06/25 16:37	1
1,1-Dichloroethene	ND		1.00	0.300	ug/L			08/06/25 16:37	1
1,2,3-Trichloropropane	ND		1.00	0.300	ug/L			08/06/25 16:37	1
1,2,4-Trichlorobenzene	ND		1.00	0.600	ug/L			08/06/25 16:37	1
1,2-Dibromo-3-Chloropropane	ND		1.00	0.400	ug/L			08/06/25 16:37	1
1,2-Dibromoethane	ND		1.00	0.300	ug/L			08/06/25 16:37	1
1,2-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 16:37	1
1,2-Dichloroethane	ND		1.00	0.300	ug/L			08/06/25 16:37	1
1,2-Dichloropropane	ND		1.00	0.400	ug/L			08/06/25 16:37	1
Acetone	ND		20.0	2.00	ug/L			08/06/25 14:57	1
1,3-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 16:37	1
1,3-Dichloropropane	ND		1.00	0.400	ug/L			08/06/25 16:37	1
1,4-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 16:37	1
1,4-Dioxane	ND		200	45.5	ug/L			08/06/25 16:37	1
2-Butanone	ND	cn	10.0	1.70	ug/L			08/06/25 16:37	1
2-Hexanone	ND	cn	10.0	2.00	ug/L			08/06/25 16:37	1
4-Methyl-2-pentanone	ND	cn	10.0	2.00	ug/L			08/06/25 16:37	1
Acetone	**2.53**	**J**	10.0	2.00	ug/L			08/06/25 16:37	1
Acetonitrile	ND		100	31.6	ug/L			08/06/25 16:37	1
Acrylonitrile	ND		10.0	1.10	ug/L			08/06/25 16:37	1
Allyl chloride	ND		10.0	1.00	ug/L			08/06/25 16:37	1
Benzene	ND		1.00	0.300	ug/L			08/06/25 16:37	1
Bromodichloromethane	ND		1.00	0.300	ug/L			08/06/25 16:37	1
Bromoform	ND		1.00	0.400	ug/L			08/06/25 16:37	1
Bromomethane	ND		1.00	0.542	ug/L			08/06/25 16:37	1
Carbon disulfide	ND		10.0	0.400	ug/L			08/06/25 16:37	1

Client Sample ID: 16WDUP

Date Collected: 07/30/25 09:25
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.00	0.300	ug/L			08/06/25 16:37	1
Chloroethane	**1.51**		1.00	0.100	ug/L			08/06/25 16:37	1
Chloroform	ND		1.00	0.300	ug/L			08/06/25 16:37	1
Chloromethane	**0.143**	**J**	1.00	0.100	ug/L			08/06/25 16:37	1
Chloroprene	ND		10.0	0.460	ug/L			08/06/25 16:37	1
Dibromochloromethane	ND		1.00	0.400	ug/L			08/06/25 16:37	1
Dibromomethane	ND		1.00	0.300	ug/L			08/06/25 16:37	1
Dichlorodifluoromethane	ND		1.00	0.400	ug/L			08/06/25 16:37	1
Diethyl ether	**19.4**		10.0	1.11	ug/L			08/06/25 16:37	1
Ethyl methacrylate	ND		10.0	0.810	ug/L			08/06/25 16:37	1
Ethylbenzene	ND		1.00	0.300	ug/L			08/06/25 16:37	1
Hexachlorobutadiene	ND		1.00	0.400	ug/L			08/06/25 16:37	1
Isobutyl alcohol	ND		200	11.6	ug/L			08/06/25 16:37	1
m&p-Xylene	ND		2.00	0.400	ug/L			08/06/25 16:37	1
Methacrylonitrile	ND	cn	100	9.75	ug/L			08/06/25 16:37	1
Methyl iodide	ND		10.0	0.580	ug/L			08/06/25 16:37	1
Methyl methacrylate	ND		10.0	3.58	ug/L			08/06/25 16:37	1
Methylene Chloride	ND		1.00	0.700	ug/L			08/06/25 16:37	1
Naphthalene	ND		1.00	0.400	ug/L			08/06/25 16:37	1
o-Xylene	ND		1.00	0.400	ug/L			08/06/25 16:37	1
Pentachloroethane	ND		10.0	1.70	ug/L			08/06/25 16:37	1
Propionitrile	ND	cn	100	10.2	ug/L			08/06/25 16:37	1
Styrene	ND		1.00	0.300	ug/L			08/06/25 16:37	1
Tetrachloroethene	ND		1.00	0.300	ug/L			08/06/25 16:37	1
Tetrahydrofuran	ND	cn	25.0	2.00	ug/L			08/06/25 16:37	1
Toluene	ND		1.00	0.300	ug/L			08/06/25 16:37	1
trans-1,2-Dichloroethene	ND		1.00	0.300	ug/L			08/06/25 16:37	1
trans-1,3-Dichloropropene	ND		1.00	0.400	ug/L			08/06/25 16:37	1
Trichloroethene	ND		1.00	0.300	ug/L			08/06/25 16:37	1
Trichlorofluoromethane	ND		1.00	0.400	ug/L			08/06/25 16:37	1
Vinyl acetate	ND		10.0	3.29	ug/L			08/06/25 16:37	1
Vinyl chloride	ND		1.00	0.200	ug/L			08/06/25 16:37	1
Xylenes, Total	ND		3.00	0.400	ug/L			08/06/25 16:37	1
Dimethyl ether	**0.764**		0.500	0.300	ug/L			08/06/25 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*08/06/25 16:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*80 - 120*		*08/06/25 14:57*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*08/06/25 16:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*08/06/25 16:37*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*08/06/25 14:57*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*08/06/25 14:57*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/06/25 16:37*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*08/06/25 14:57*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND	cn	10.6	2.11	ug/L		08/06/25 07:35	08/07/25 17:37	1
1,3-Dinitrobenzene	ND	cn	10.6	2.43	ug/L		08/06/25 07:35	08/07/25 17:37	1
bis (2-chloroisopropyl) ether	ND	cn	10.6	0.633	ug/L		08/06/25 07:35	08/07/25 17:37	1

Client Sample ID: 16WDUP
Date Collected: 07/30/25 09:25
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,4,6-Tetrachlorophenol	ND	cn	10.6	1.90	ug/L		08/06/25 07:35	08/07/25 17:37	1
2,4,5-Trichlorophenol	ND	cn	10.6	2.11	ug/L		08/06/25 07:35	08/07/25 17:37	1
2,4,6-Trichlorophenol	ND	cn	10.6	1.90	ug/L		08/06/25 07:35	08/07/25 17:37	1
2,4-Dichlorophenol	ND	cn	10.6	1.68	ug/L		08/06/25 07:35	08/07/25 17:37	1
2,4-Dinitrotoluene	ND	cn	10.6	2.22	ug/L		08/06/25 07:35	08/07/25 17:37	1
2,6-Dichlorophenol	ND	cn	10.6	1.48	ug/L		08/06/25 07:35	08/07/25 17:37	1
2,6-Dinitrotoluene	ND	cn	10.6	2.22	ug/L		08/06/25 07:35	08/07/25 17:37	1
2-Chloronaphthalene	ND	cn	10.6	0.528	ug/L		08/06/25 07:35	08/07/25 17:37	1
2-Chlorophenol	ND	cn	10.6	1.06	ug/L		08/06/25 07:35	08/07/25 17:37	1
2-Methylnaphthalene	ND	cn	10.6	0.306	ug/L		08/06/25 07:35	08/07/25 17:37	1
o-Cresol	ND	cn	10.6	1.01	ug/L		08/06/25 07:35	08/07/25 17:37	1
2-Nitroaniline	ND	cn	10.6	1.06	ug/L		08/06/25 07:35	08/07/25 17:37	1
2-Nitrophenol	ND	cn	10.6	1.34	ug/L		08/06/25 07:35	08/07/25 17:37	1
4-Bromophenyl-phenylether	ND	cn	10.6	0.591	ug/L		08/06/25 07:35	08/07/25 17:37	1
4-Chloro-3-methylphenol	ND	cn	10.6	1.06	ug/L		08/06/25 07:35	08/07/25 17:37	1
4-Chlorophenyl-phenyl ether	ND	cn	10.6	0.633	ug/L		08/06/25 07:35	08/07/25 17:37	1
m & p-Cresol	ND	cn	21.1	2.61	ug/L		08/06/25 07:35	08/07/25 17:37	1
5-Nitro-o-toluidine	ND	cn	10.6	2.11	ug/L		08/06/25 07:35	08/07/25 17:37	1
Acenaphthene	ND	cn	10.6	0.370	ug/L		08/06/25 07:35	08/07/25 17:37	1
Acenaphthylene	ND	cn	10.6	0.507	ug/L		08/06/25 07:35	08/07/25 17:37	1
Anthracene	ND	cn	10.6	0.549	ug/L		08/06/25 07:35	08/07/25 17:37	1
Benzo[a]anthracene	ND	cn	10.6	0.475	ug/L		08/06/25 07:35	08/07/25 17:37	1
Benzo[a]pyrene	ND	cn	10.6	1.58	ug/L		08/06/25 07:35	08/07/25 17:37	1
Benzo[b]fluoranthene	ND	cn	10.6	1.27	ug/L		08/06/25 07:35	08/07/25 17:37	1
Benzo[g,h,i]perylene	ND	cn	10.6	0.443	ug/L		08/06/25 07:35	08/07/25 17:37	1
Benzo[k]fluoranthene	ND	cn	10.6	1.69	ug/L		08/06/25 07:35	08/07/25 17:37	1
Chrysene	ND	cn	10.6	0.327	ug/L		08/06/25 07:35	08/07/25 17:37	1
Diallate	ND	cn	10.6	3.17	ug/L		08/06/25 07:35	08/07/25 17:37	1
Dibenz(a,h)anthracene	ND	cn	10.6	0.401	ug/L		08/06/25 07:35	08/07/25 17:37	1
Dibenzofuran	ND	cn	10.6	0.633	ug/L		08/06/25 07:35	08/07/25 17:37	1
Diethyl phthalate	ND	cn	10.6	2.11	ug/L		08/06/25 07:35	08/07/25 17:37	1
Dimethoate	ND	*1 cn	10.6	3.17	ug/L		08/06/25 07:35	08/07/25 17:37	1
Ethyl methanesulfonate	ND	cn	10.6	1.16	ug/L		08/06/25 07:35	08/07/25 17:37	1
Fluoranthene	ND	cn	10.6	0.443	ug/L		08/06/25 07:35	08/07/25 17:37	1
Fluorene	ND	cn	10.6	0.401	ug/L		08/06/25 07:35	08/07/25 17:37	1
Hexachlorobenzene	ND	cn	10.6	0.918	ug/L		08/06/25 07:35	08/07/25 17:37	1
Hexachloropropene	ND	cn	10.6	2.11	ug/L		08/06/25 07:35	08/07/25 17:37	1
Indeno[1,2,3-cd]pyrene	ND	cn	10.6	0.158	ug/L		08/06/25 07:35	08/07/25 17:37	1
Isodrin	ND	cn	10.6	1.16	ug/L		08/06/25 07:35	08/07/25 17:37	1
Kepone	ND	cn	52.8	26.4	ug/L		08/06/25 07:35	08/07/25 17:37	1
N-Nitrosodiethylamine	ND	cn	10.6	3.17	ug/L		08/06/25 07:35	08/07/25 17:37	1
N-Nitrosodimethylamine	ND	cn	10.6	2.11	ug/L		08/06/25 07:35	08/07/25 17:37	1
n-Nitrosodiphenylamine(as diphenylamine)	ND	cn	10.6	0.612	ug/L		08/06/25 07:35	08/07/25 17:37	1
N-Nitrosomorpholine	ND	cn	10.6	3.17	ug/L		08/06/25 07:35	08/07/25 17:37	1
N-Nitrosopiperidine	ND	cn	10.6	1.16	ug/L		08/06/25 07:35	08/07/25 17:37	1
Nitrobenzene	ND	cn	10.6	0.633	ug/L		08/06/25 07:35	08/07/25 17:37	1
o,o',o''-Triethylphosphorothioate	ND	cn	10.6	2.74	ug/L		08/06/25 07:35	08/07/25 17:37	1
Pentachlorobenzene	ND	cn	10.6	1.69	ug/L		08/06/25 07:35	08/07/25 17:37	1
Phenacetin	ND	cn	10.6	1.48	ug/L		08/06/25 07:35	08/07/25 17:37	1

Client Sample ID: 16WDUP
Date Collected: 07/30/25 09:25
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND	cn	10.6	3.17	ug/L		08/06/25 07:35	08/07/25 17:37	1
Phenanthrene	ND	cn	10.6	0.549	ug/L		08/06/25 07:35	08/07/25 17:37	1
Phenol	ND	cn	10.6	0.813	ug/L		08/06/25 07:35	08/07/25 17:37	1
Phorate	ND	cn	10.6	2.64	ug/L		08/06/25 07:35	08/07/25 17:37	1
Pyrene	ND	cn	10.6	0.433	ug/L		08/06/25 07:35	08/07/25 17:37	1
Safrole, Total	ND	cn	10.6	2.32	ug/L		08/06/25 07:35	08/07/25 17:37	1
Sulfotepp	ND	cn	10.6	2.53	ug/L		08/06/25 07:35	08/07/25 17:37	1
O,O-Diethyl O-2-pyrazinyl phosphorothioate	ND	cn	10.6	2.53	ug/L		08/06/25 07:35	08/07/25 17:37	1
Bis(2-ethylhexyl) phthalate	ND	cn	10.6	2.11	ug/L		08/06/25 07:35	08/07/25 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*19*	*cn*	*13 - 134*	*08/06/25 07:35*	*08/07/25 17:37*	*1*
2-Fluorobiphenyl (Surr)	*77*	*cn*	*45 - 120*	*08/06/25 07:35*	*08/07/25 17:37*	*1*
2-Fluorophenol (Surr)	*15*	*cn*	*10 - 120*	*08/06/25 07:35*	*08/07/25 17:37*	*1*
Nitrobenzene-d5 (Surr)	*64*	*cn*	*33 - 120*	*08/06/25 07:35*	*08/07/25 17:37*	*1*
p-Terphenyl-d14 (Surr)	*55*	*cn*	*26 - 123*	*08/06/25 07:35*	*08/07/25 17:37*	*1*
Phenol-d5 (Surr)	*9*	*S1- cn*	*10 - 120*	*08/06/25 07:35*	*08/07/25 17:37*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND	H	10.0	2.01	ug/L		08/10/25 16:20	08/12/25 04:59	1
1,3-Dinitrobenzene	ND	H	10.0	2.31	ug/L		08/10/25 16:20	08/12/25 04:59	1
bis (2-chloroisopropyl) ether	ND	H	10.0	0.603	ug/L		08/10/25 16:20	08/12/25 04:59	1
2,3,4,6-Tetrachlorophenol	ND	H	10.0	1.81	ug/L		08/10/25 16:20	08/12/25 04:59	1
2,4,5-Trichlorophenol	ND	H	10.0	2.01	ug/L		08/10/25 16:20	08/12/25 04:59	1
2,4,6-Trichlorophenol	ND	H	10.0	1.81	ug/L		08/10/25 16:20	08/12/25 04:59	1
2,4-Dichlorophenol	ND	H	10.0	1.60	ug/L		08/10/25 16:20	08/12/25 04:59	1
2,4-Dinitrotoluene	ND	H	10.0	2.11	ug/L		08/10/25 16:20	08/12/25 04:59	1
2,6-Dichlorophenol	ND	H	10.0	1.41	ug/L		08/10/25 16:20	08/12/25 04:59	1
2,6-Dinitrotoluene	ND	H	10.0	2.11	ug/L		08/10/25 16:20	08/12/25 04:59	1
2-Chloronaphthalene	ND	H	10.0	0.502	ug/L		08/10/25 16:20	08/12/25 04:59	1
2-Chlorophenol	ND	H	10.0	1.00	ug/L		08/10/25 16:20	08/12/25 04:59	1
2-Methylnaphthalene	ND	H	10.0	0.291	ug/L		08/10/25 16:20	08/12/25 04:59	1
o-Cresol	ND	H	10.0	0.965	ug/L		08/10/25 16:20	08/12/25 04:59	1
2-Nitroaniline	ND	H	10.0	1.00	ug/L		08/10/25 16:20	08/12/25 04:59	1
2-Nitrophenol	ND	H	10.0	1.28	ug/L		08/10/25 16:20	08/12/25 04:59	1
4-Bromophenyl-phenylether	ND	H	10.0	0.563	ug/L		08/10/25 16:20	08/12/25 04:59	1
4-Chloro-3-methylphenol	ND	H	10.0	1.00	ug/L		08/10/25 16:20	08/12/25 04:59	1
4-Chlorophenyl-phenyl ether	ND	H	10.0	0.603	ug/L		08/10/25 16:20	08/12/25 04:59	1
m & p-Cresol	ND	H	20.1	2.48	ug/L		08/10/25 16:20	08/12/25 04:59	1
5-Nitro-o-toluidine	ND	H	10.0	2.01	ug/L		08/10/25 16:20	08/12/25 04:59	1
Acenaphthene	ND	H	10.0	0.352	ug/L		08/10/25 16:20	08/12/25 04:59	1
Acenaphthylene	ND	H	10.0	0.482	ug/L		08/10/25 16:20	08/12/25 04:59	1
Anthracene	ND	H	10.0	0.523	ug/L		08/10/25 16:20	08/12/25 04:59	1
Benzo[a]anthracene	ND	H	10.0	0.452	ug/L		08/10/25 16:20	08/12/25 04:59	1
Benzo[a]pyrene	ND	H	10.0	1.51	ug/L		08/10/25 16:20	08/12/25 04:59	1
Benzo[b]fluoranthene	ND	H	10.0	1.21	ug/L		08/10/25 16:20	08/12/25 04:59	1
Benzo[g,h,i]perylene	ND	H	10.0	0.422	ug/L		08/10/25 16:20	08/12/25 04:59	1
Benzo[k]fluoranthene	ND	H	10.0	1.61	ug/L		08/10/25 16:20	08/12/25 04:59	1

Client Sample ID: 16WDUP
Date Collected: 07/30/25 09:25
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND	H	10.0	0.311	ug/L		08/10/25 16:20	08/12/25 04:59	1
Diallate	ND	H	10.0	3.01	ug/L		08/10/25 16:20	08/12/25 04:59	1
Dibenz(a,h)anthracene	ND	H	10.0	0.382	ug/L		08/10/25 16:20	08/12/25 04:59	1
Dibenzofuran	ND	H	10.0	0.603	ug/L		08/10/25 16:20	08/12/25 04:59	1
Diethyl phthalate	ND	H	10.0	2.01	ug/L		08/10/25 16:20	08/12/25 04:59	1
Dimethoate	ND	H	10.0	3.01	ug/L		08/10/25 16:20	08/12/25 04:59	1
Ethyl methanesulfonate	ND	H	10.0	1.11	ug/L		08/10/25 16:20	08/12/25 04:59	1
Fluoranthene	ND	H	10.0	0.422	ug/L		08/10/25 16:20	08/12/25 04:59	1
Fluorene	ND	H	10.0	0.382	ug/L		08/10/25 16:20	08/12/25 04:59	1
Hexachlorobenzene	ND	H	10.0	0.874	ug/L		08/10/25 16:20	08/12/25 04:59	1
Hexachloropropene	ND	H	10.0	2.01	ug/L		08/10/25 16:20	08/12/25 04:59	1
Indeno[1,2,3-cd]pyrene	ND	H	10.0	0.151	ug/L		08/10/25 16:20	08/12/25 04:59	1
Isodrin	ND	H	10.0	1.11	ug/L		08/10/25 16:20	08/12/25 04:59	1
Kepone	ND	H *-	50.2	25.1	ug/L		08/10/25 16:20	08/12/25 04:59	1
N-Nitrosodiethylamine	ND	H	10.0	3.01	ug/L		08/10/25 16:20	08/12/25 04:59	1
N-Nitrosodimethylamine	ND	H	10.0	2.01	ug/L		08/10/25 16:20	08/12/25 04:59	1
n-Nitrosodiphenylamine(as diphenylamine)	ND	H	10.0	0.583	ug/L		08/10/25 16:20	08/12/25 04:59	1
N-Nitrosomorpholine	ND	H	10.0	3.01	ug/L		08/10/25 16:20	08/12/25 04:59	1
N-Nitrosopiperidine	ND	H	10.0	1.11	ug/L		08/10/25 16:20	08/12/25 04:59	1
Nitrobenzene	ND	H	10.0	0.603	ug/L		08/10/25 16:20	08/12/25 04:59	1
o,o',o''-Triethylphosphorothioate	ND	H	10.0	2.61	ug/L		08/10/25 16:20	08/12/25 04:59	1
Pentachlorobenzene	ND	H	10.0	1.61	ug/L		08/10/25 16:20	08/12/25 04:59	1
Phenacetin	ND	H	10.0	1.41	ug/L		08/10/25 16:20	08/12/25 04:59	1
Pentachlorophenol	ND	H	10.0	3.01	ug/L		08/10/25 16:20	08/12/25 04:59	1
Phenanthrene	ND	H	10.0	0.523	ug/L		08/10/25 16:20	08/12/25 04:59	1
Phenol	ND	H	10.0	0.774	ug/L		08/10/25 16:20	08/12/25 04:59	1
Phorate	ND	H	10.0	2.51	ug/L		08/10/25 16:20	08/12/25 04:59	1
Pyrene	ND	H	10.0	0.412	ug/L		08/10/25 16:20	08/12/25 04:59	1
Safrole, Total	ND	H	10.0	2.21	ug/L		08/10/25 16:20	08/12/25 04:59	1
Sulfotepp	ND	H	10.0	2.41	ug/L		08/10/25 16:20	08/12/25 04:59	1
O,O-Diethyl O-2-pyrazinyl phosphorothioate	ND	H	10.0	2.41	ug/L		08/10/25 16:20	08/12/25 04:59	1
Bis(2-ethylhexyl) phthalate	ND	H	10.0	2.01	ug/L		08/10/25 16:20	08/12/25 04:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*65*		*13 - 134*	*08/10/25 16:20*	*08/12/25 04:59*	*1*
2-Fluorobiphenyl (Surr)	*77*		*45 - 120*	*08/10/25 16:20*	*08/12/25 04:59*	*1*
2-Fluorophenol (Surr)	*34*		*10 - 120*	*08/10/25 16:20*	*08/12/25 04:59*	*1*
Nitrobenzene-d5 (Surr)	*80*		*33 - 120*	*08/10/25 16:20*	*08/12/25 04:59*	*1*
p-Terphenyl-d14 (Surr)	*58*		*26 - 123*	*08/10/25 16:20*	*08/12/25 04:59*	*1*
Phenol-d5 (Surr)	*39*		*10 - 120*	*08/10/25 16:20*	*08/12/25 04:59*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.00	0.600	ug/L		08/11/25 04:22	08/12/25 23:52	1
Arsenic	**4.94**	**J**	10.0	2.00	ug/L		08/11/25 04:22	08/12/25 23:52	1
Barium	**383**		10.0	1.30	ug/L		08/11/25 04:22	08/13/25 19:37	1
Beryllium	ND		1.00	0.300	ug/L		08/11/25 04:22	08/12/25 23:52	1
Cadmium	ND		1.00	0.200	ug/L		08/11/25 04:22	08/12/25 23:52	1

Client Sample ID: 16WDUP — Lab Sample ID: 410-234898-5

Date Collected: 07/30/25 09:25 — **Matrix: Water**
Date Received: 07/31/25 09:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		5.00	1.00	ug/L		08/11/25 04:22	08/12/25 23:52	1
Cobalt	**11.7**		5.00	1.00	ug/L		08/11/25 04:22	08/12/25 23:52	1
Copper	ND		5.00	1.70	ug/L		08/11/25 04:22	08/12/25 23:52	1
Lead	ND		3.00	1.00	ug/L		08/11/25 04:22	08/12/25 23:52	1
Nickel	**10.4**		10.0	2.00	ug/L		08/11/25 04:22	08/12/25 23:52	1
Selenium	ND		10.0	3.00	ug/L		08/11/25 04:22	08/12/25 23:52	1
Silver	ND		2.00	0.300	ug/L		08/11/25 04:22	08/12/25 23:52	1
Thallium	ND		1.00	0.200	ug/L		08/11/25 04:22	08/12/25 23:52	1
Zinc	ND		30.0	7.30	ug/L		08/11/25 04:22	08/12/25 23:52	1
Vanadium	ND		10.0	2.50	ug/L		08/11/25 04:22	08/12/25 23:52	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		2.00	0.200	ug/L		08/12/25 10:26	08/16/25 15:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		20.0	5.00	ug/L		08/01/25 13:24	08/02/25 00:25	1

Client Sample ID: 16WC1B — Lab Sample ID: 410-234898-6

Date Collected: 07/30/25 09:45 — **Matrix: Water**
Date Received: 07/31/25 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Propanol	ND		100	50.0	ug/L			08/06/25 15:18	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.300	ug/L			08/06/25 16:59	1
1,1,1-Trichloroethane	ND		1.00	0.300	ug/L			08/06/25 16:59	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.300	ug/L			08/06/25 16:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.400	ug/L			08/06/25 16:59	1
1,1,2-Trichloroethane	ND		1.00	0.300	ug/L			08/06/25 16:59	1
1,1-Dichloroethane	ND		1.00	0.300	ug/L			08/06/25 16:59	1
1,1-Dichloroethene	ND		1.00	0.300	ug/L			08/06/25 16:59	1
1,2,3-Trichloropropane	ND		1.00	0.300	ug/L			08/06/25 16:59	1
1,2,4-Trichlorobenzene	ND		1.00	0.600	ug/L			08/06/25 16:59	1
1,2-Dibromo-3-Chloropropane	ND		1.00	0.400	ug/L			08/06/25 16:59	1
1,2-Dibromoethane	ND		1.00	0.300	ug/L			08/06/25 16:59	1
1,2-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 16:59	1
1,2-Dichloroethane	ND		1.00	0.300	ug/L			08/06/25 16:59	1
1,2-Dichloropropane	ND		1.00	0.400	ug/L			08/06/25 16:59	1
1,3-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 16:59	1
1,3-Dichloropropane	ND		1.00	0.400	ug/L			08/06/25 16:59	1
1,4-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 16:59	1
1,4-Dioxane	ND		200	45.5	ug/L			08/06/25 16:59	1
2-Butanone	ND	cn	10.0	1.70	ug/L			08/06/25 16:59	1
2-Hexanone	ND	cn	10.0	2.00	ug/L			08/06/25 16:59	1
4-Methyl-2-pentanone	ND	cn	10.0	2.00	ug/L			08/06/25 16:59	1
Acetone	ND		10.0	2.00	ug/L			08/06/25 16:59	1
Acetonitrile	ND		100	31.6	ug/L			08/06/25 16:59	1
Acrylonitrile	ND		10.0	1.10	ug/L			08/06/25 16:59	1

Client Sample ID: 16WC1B
Date Collected: 07/30/25 09:45
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Allyl chloride	ND		10.0	1.00	ug/L			08/06/25 16:59	1
Benzene	ND		1.00	0.300	ug/L			08/06/25 16:59	1
Bromodichloromethane	ND		1.00	0.300	ug/L			08/06/25 16:59	1
Bromoform	ND		1.00	0.400	ug/L			08/06/25 16:59	1
Bromomethane	ND		1.00	0.542	ug/L			08/06/25 16:59	1
Carbon disulfide	ND		10.0	0.400	ug/L			08/06/25 16:59	1
Carbon tetrachloride	ND		1.00	0.300	ug/L			08/06/25 16:59	1
Chloroethane	ND		1.00	0.100	ug/L			08/06/25 16:59	1
Chloroform	ND		1.00	0.300	ug/L			08/06/25 16:59	1
Chloromethane	ND		1.00	0.100	ug/L			08/06/25 16:59	1
Chloroprene	ND		10.0	0.460	ug/L			08/06/25 16:59	1
Dibromochloromethane	ND		1.00	0.400	ug/L			08/06/25 16:59	1
Dibromomethane	ND		1.00	0.300	ug/L			08/06/25 16:59	1
Dichlorodifluoromethane	ND		1.00	0.400	ug/L			08/06/25 16:59	1
Diethyl ether	ND		10.0	1.11	ug/L			08/06/25 16:59	1
Ethyl methacrylate	ND		10.0	0.810	ug/L			08/06/25 16:59	1
Ethylbenzene	ND		1.00	0.300	ug/L			08/06/25 16:59	1
Hexachlorobutadiene	ND		1.00	0.400	ug/L			08/06/25 16:59	1
Isobutyl alcohol	ND		200	11.6	ug/L			08/06/25 16:59	1
m&p-Xylene	ND		2.00	0.400	ug/L			08/06/25 16:59	1
Methacrylonitrile	ND	cn	100	9.75	ug/L			08/06/25 16:59	1
Methyl iodide	ND		10.0	0.580	ug/L			08/06/25 16:59	1
Methyl methacrylate	ND		10.0	3.58	ug/L			08/06/25 16:59	1
Methylene Chloride	ND		1.00	0.700	ug/L			08/06/25 16:59	1
Naphthalene	ND		1.00	0.400	ug/L			08/06/25 16:59	1
o-Xylene	ND		1.00	0.400	ug/L			08/06/25 16:59	1
Pentachloroethane	ND		10.0	1.70	ug/L			08/06/25 16:59	1
Propionitrile	ND	cn	100	10.2	ug/L			08/06/25 16:59	1
Styrene	ND		1.00	0.300	ug/L			08/06/25 16:59	1
Tetrachloroethene	ND		1.00	0.300	ug/L			08/06/25 16:59	1
Tetrahydrofuran	ND	cn	25.0	2.00	ug/L			08/06/25 16:59	1
Toluene	ND		1.00	0.300	ug/L			08/06/25 16:59	1
trans-1,2-Dichloroethene	ND		1.00	0.300	ug/L			08/06/25 16:59	1
trans-1,3-Dichloropropene	ND		1.00	0.400	ug/L			08/06/25 16:59	1
Trichloroethene	ND		1.00	0.300	ug/L			08/06/25 16:59	1
Trichlorofluoromethane	ND		1.00	0.400	ug/L			08/06/25 16:59	1
Vinyl acetate	ND		10.0	3.29	ug/L			08/06/25 16:59	1
Vinyl chloride	ND		1.00	0.200	ug/L			08/06/25 16:59	1
Xylenes, Total	ND		3.00	0.400	ug/L			08/06/25 16:59	1
Dimethyl ether	ND		0.500	0.300	ug/L			08/06/25 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*08/06/25 16:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*80 - 120*		*08/06/25 15:18*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*08/06/25 16:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*08/06/25 16:59*	*1*
Dibromofluoromethane (Surr)	*117*		*80 - 120*		*08/06/25 15:18*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*08/06/25 15:18*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/06/25 16:59*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*08/06/25 15:18*	*1*

Client Sample ID: 16WC1B
Date Collected: 07/30/25 09:45
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		10.0	2.01	ug/L		08/06/25 07:35	08/08/25 01:23	1
1,3-Dinitrobenzene	ND		10.0	2.31	ug/L		08/06/25 07:35	08/08/25 01:23	1
bis (2-chloroisopropyl) ether	ND	cn	10.0	0.602	ug/L		08/06/25 07:35	08/08/25 01:23	1
2,3,4,6-Tetrachlorophenol	ND		10.0	1.81	ug/L		08/06/25 07:35	08/08/25 01:23	1
2,4,5-Trichlorophenol	ND		10.0	2.01	ug/L		08/06/25 07:35	08/08/25 01:23	1
2,4,6-Trichlorophenol	ND		10.0	1.81	ug/L		08/06/25 07:35	08/08/25 01:23	1
2,4-Dichlorophenol	ND		10.0	1.60	ug/L		08/06/25 07:35	08/08/25 01:23	1
2,4-Dinitrotoluene	ND		10.0	2.11	ug/L		08/06/25 07:35	08/08/25 01:23	1
2,6-Dichlorophenol	ND		10.0	1.41	ug/L		08/06/25 07:35	08/08/25 01:23	1
2,6-Dinitrotoluene	ND		10.0	2.11	ug/L		08/06/25 07:35	08/08/25 01:23	1
2-Chloronaphthalene	ND		10.0	0.502	ug/L		08/06/25 07:35	08/08/25 01:23	1
2-Chlorophenol	ND		10.0	1.00	ug/L		08/06/25 07:35	08/08/25 01:23	1
2-Methylnaphthalene	ND		10.0	0.291	ug/L		08/06/25 07:35	08/08/25 01:23	1
o-Cresol	ND		10.0	0.963	ug/L		08/06/25 07:35	08/08/25 01:23	1
2-Nitroaniline	ND		10.0	1.00	ug/L		08/06/25 07:35	08/08/25 01:23	1
2-Nitrophenol	ND		10.0	1.27	ug/L		08/06/25 07:35	08/08/25 01:23	1
4-Bromophenyl-phenylether	ND		10.0	0.562	ug/L		08/06/25 07:35	08/08/25 01:23	1
4-Chloro-3-methylphenol	ND		10.0	1.00	ug/L		08/06/25 07:35	08/08/25 01:23	1
4-Chlorophenyl-phenyl ether	ND		10.0	0.602	ug/L		08/06/25 07:35	08/08/25 01:23	1
m & p-Cresol	ND		20.1	2.48	ug/L		08/06/25 07:35	08/08/25 01:23	1
5-Nitro-o-toluidine	ND		10.0	2.01	ug/L		08/06/25 07:35	08/08/25 01:23	1
Acenaphthene	ND		10.0	0.351	ug/L		08/06/25 07:35	08/08/25 01:23	1
Acenaphthylene	ND		10.0	0.482	ug/L		08/06/25 07:35	08/08/25 01:23	1
Anthracene	ND		10.0	0.522	ug/L		08/06/25 07:35	08/08/25 01:23	1
Benzo[a]anthracene	ND		10.0	0.452	ug/L		08/06/25 07:35	08/08/25 01:23	1
Benzo[a]pyrene	ND		10.0	1.51	ug/L		08/06/25 07:35	08/08/25 01:23	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		08/06/25 07:35	08/08/25 01:23	1
Benzo[g,h,i]perylene	ND		10.0	0.422	ug/L		08/06/25 07:35	08/08/25 01:23	1
Benzo[k]fluoranthene	ND		10.0	1.61	ug/L		08/06/25 07:35	08/08/25 01:23	1
Chrysene	ND		10.0	0.311	ug/L		08/06/25 07:35	08/08/25 01:23	1
Diallate	ND		10.0	3.01	ug/L		08/06/25 07:35	08/08/25 01:23	1
Dibenz(a,h)anthracene	ND		10.0	0.381	ug/L		08/06/25 07:35	08/08/25 01:23	1
Dibenzofuran	ND		10.0	0.602	ug/L		08/06/25 07:35	08/08/25 01:23	1
Diethyl phthalate	ND		10.0	2.01	ug/L		08/06/25 07:35	08/08/25 01:23	1
Dimethoate	ND	*1	10.0	3.01	ug/L		08/06/25 07:35	08/08/25 01:23	1
Ethyl methanesulfonate	ND		10.0	1.10	ug/L		08/06/25 07:35	08/08/25 01:23	1
Fluoranthene	ND		10.0	0.422	ug/L		08/06/25 07:35	08/08/25 01:23	1
Fluorene	ND		10.0	0.381	ug/L		08/06/25 07:35	08/08/25 01:23	1
Hexachlorobenzene	ND		10.0	0.873	ug/L		08/06/25 07:35	08/08/25 01:23	1
Hexachloropropene	ND		10.0	2.01	ug/L		08/06/25 07:35	08/08/25 01:23	1
Indeno[1,2,3-cd]pyrene	ND		10.0	0.151	ug/L		08/06/25 07:35	08/08/25 01:23	1
Isodrin	ND		10.0	1.10	ug/L		08/06/25 07:35	08/08/25 01:23	1
Kepone	ND		50.2	25.1	ug/L		08/06/25 07:35	08/08/25 01:23	1
N-Nitrosodiethylamine	ND		10.0	3.01	ug/L		08/06/25 07:35	08/08/25 01:23	1
N-Nitrosodimethylamine	ND	cn	10.0	2.01	ug/L		08/06/25 07:35	08/08/25 01:23	1
n-Nitrosodiphenylamine(as diphenylamine)	ND		10.0	0.582	ug/L		08/06/25 07:35	08/08/25 01:23	1
N-Nitrosomorpholine	ND	cn	10.0	3.01	ug/L		08/06/25 07:35	08/08/25 01:23	1
N-Nitrosopiperidine	ND		10.0	1.10	ug/L		08/06/25 07:35	08/08/25 01:23	1
Nitrobenzene	ND		10.0	0.602	ug/L		08/06/25 07:35	08/08/25 01:23	1

Client Sample ID: 16WC1B
Date Collected: 07/30/25 09:45
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o,o',o"-Triethylphosphorothioate	ND		10.0	2.61	ug/L		08/06/25 07:35	08/08/25 01:23	1
Pentachlorobenzene	ND		10.0	1.61	ug/L		08/06/25 07:35	08/08/25 01:23	1
Phenacetin	ND		10.0	1.41	ug/L		08/06/25 07:35	08/08/25 01:23	1
Pentachlorophenol	ND		10.0	3.01	ug/L		08/06/25 07:35	08/08/25 01:23	1
Phenanthrene	ND		10.0	0.522	ug/L		08/06/25 07:35	08/08/25 01:23	1
Phenol	ND		10.0	0.773	ug/L		08/06/25 07:35	08/08/25 01:23	1
Phorate	ND		10.0	2.51	ug/L		08/06/25 07:35	08/08/25 01:23	1
Pyrene	ND		10.0	0.411	ug/L		08/06/25 07:35	08/08/25 01:23	1
Safrole, Total	ND		10.0	2.21	ug/L		08/06/25 07:35	08/08/25 01:23	1
Sulfotepp	ND		10.0	2.41	ug/L		08/06/25 07:35	08/08/25 01:23	1
O,O-Diethyl O-2-pyrazinyl phosphorothioate	ND		10.0	2.41	ug/L		08/06/25 07:35	08/08/25 01:23	1
Bis(2-ethylhexyl) phthalate	ND		10.0	2.01	ug/L		08/06/25 07:35	08/08/25 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*65*		*13 - 134*	*08/06/25 07:35*	*08/08/25 01:23*	*1*
2-Fluorobiphenyl (Surr)	*80*		*45 - 120*	*08/06/25 07:35*	*08/08/25 01:23*	*1*
2-Fluorophenol (Surr)	*34*		*10 - 120*	*08/06/25 07:35*	*08/08/25 01:23*	*1*
Nitrobenzene-d5 (Surr)	*85*		*33 - 120*	*08/06/25 07:35*	*08/08/25 01:23*	*1*
p-Terphenyl-d14 (Surr)	*83*		*26 - 123*	*08/06/25 07:35*	*08/08/25 01:23*	*1*
Phenol-d5 (Surr)	*25*		*10 - 120*	*08/06/25 07:35*	*08/08/25 01:23*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.00	0.600	ug/L		08/11/25 04:22	08/12/25 23:48	1
Arsenic	ND		10.0	2.00	ug/L		08/11/25 04:22	08/12/25 23:48	1
Barium	**99.1**		10.0	1.30	ug/L		08/11/25 04:22	08/13/25 19:33	1
Beryllium	ND		1.00	0.300	ug/L		08/11/25 04:22	08/12/25 23:48	1
Cadmium	ND		1.00	0.200	ug/L		08/11/25 04:22	08/12/25 23:48	1
Chromium	**1.36**	**J**	5.00	1.00	ug/L		08/11/25 04:22	08/12/25 23:48	1
Cobalt	ND		5.00	1.00	ug/L		08/11/25 04:22	08/12/25 23:48	1
Copper	ND		5.00	1.70	ug/L		08/11/25 04:22	08/12/25 23:48	1
Lead	ND		3.00	1.00	ug/L		08/11/25 04:22	08/12/25 23:48	1
Nickel	ND		10.0	2.00	ug/L		08/11/25 04:22	08/12/25 23:48	1
Selenium	ND		10.0	3.00	ug/L		08/11/25 04:22	08/12/25 23:48	1
Silver	ND		2.00	0.300	ug/L		08/11/25 04:22	08/12/25 23:48	1
Thallium	ND		1.00	0.200	ug/L		08/11/25 04:22	08/12/25 23:48	1
Zinc	ND		30.0	7.30	ug/L		08/11/25 04:22	08/12/25 23:48	1
Vanadium	ND		10.0	2.50	ug/L		08/11/25 04:22	08/12/25 23:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.32**	**J**	2.00	0.200	ug/L		08/12/25 10:26	08/16/25 15:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		20.0	5.00	ug/L		08/01/25 13:24	08/02/25 00:26	1

Client Sample ID: Trip Blank 1
Lab Sample ID: 410-234898-12

Date Collected: 07/29/25 00:00
Matrix: Water
Date Received: 07/31/25 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Propanol	ND		100	50.0	ug/L			08/06/25 10:52	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.300	ug/L			08/06/25 13:16	1
1,1,1-Trichloroethane	ND		1.00	0.300	ug/L			08/06/25 13:16	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.300	ug/L			08/06/25 13:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.400	ug/L			08/06/25 13:16	1
1,1,2-Trichloroethane	ND		1.00	0.300	ug/L			08/06/25 13:16	1
1,1-Dichloroethane	ND		1.00	0.300	ug/L			08/06/25 13:16	1
1,1-Dichloroethene	ND		1.00	0.300	ug/L			08/06/25 13:16	1
1,2,3-Trichloropropane	ND		1.00	0.300	ug/L			08/06/25 13:16	1
1,2,4-Trichlorobenzene	ND		1.00	0.600	ug/L			08/06/25 13:16	1
1,2-Dibromo-3-Chloropropane	ND		1.00	0.400	ug/L			08/06/25 13:16	1
1,2-Dibromoethane	ND		1.00	0.300	ug/L			08/06/25 13:16	1
1,2-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 13:16	1
1,2-Dichloroethane	ND		1.00	0.300	ug/L			08/06/25 13:16	1
1,2-Dichloropropane	ND		1.00	0.400	ug/L			08/06/25 13:16	1
1,3-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 13:16	1
1,3-Dichloropropane	ND		1.00	0.400	ug/L			08/06/25 13:16	1
1,4-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 13:16	1
1,4-Dioxane	ND		200	45.5	ug/L			08/06/25 13:16	1
2-Butanone	ND	cn	10.0	1.70	ug/L			08/06/25 13:16	1
2-Hexanone	ND	cn	10.0	2.00	ug/L			08/06/25 13:16	1
4-Methyl-2-pentanone	ND	cn	10.0	2.00	ug/L			08/06/25 13:16	1
Acetone	**3.65**	**J**	10.0	2.00	ug/L			08/06/25 13:16	1
Acetonitrile	ND		100	31.6	ug/L			08/06/25 13:16	1
Acrylonitrile	ND		10.0	1.10	ug/L			08/06/25 13:16	1
Allyl chloride	ND		10.0	1.00	ug/L			08/06/25 13:16	1
Benzene	ND		1.00	0.300	ug/L			08/06/25 13:16	1
Bromodichloromethane	ND		1.00	0.300	ug/L			08/06/25 13:16	1
Bromoform	ND		1.00	0.400	ug/L			08/06/25 13:16	1
Bromomethane	ND		1.00	0.542	ug/L			08/06/25 13:16	1
Carbon disulfide	ND		10.0	0.400	ug/L			08/06/25 13:16	1
Carbon tetrachloride	ND		1.00	0.300	ug/L			08/06/25 13:16	1
Chloroethane	ND		1.00	0.100	ug/L			08/06/25 13:16	1
Chloroform	ND		1.00	0.300	ug/L			08/06/25 13:16	1
Chloromethane	ND		1.00	0.100	ug/L			08/06/25 13:16	1
Chloroprene	ND		10.0	0.460	ug/L			08/06/25 13:16	1
Dibromochloromethane	ND		1.00	0.400	ug/L			08/06/25 13:16	1
Dibromomethane	ND		1.00	0.300	ug/L			08/06/25 13:16	1
Dichlorodifluoromethane	ND		1.00	0.400	ug/L			08/06/25 13:16	1
Diethyl ether	ND		10.0	1.11	ug/L			08/06/25 13:16	1
Ethyl methacrylate	ND		10.0	0.810	ug/L			08/06/25 13:16	1
Ethylbenzene	ND		1.00	0.300	ug/L			08/06/25 13:16	1
Hexachlorobutadiene	ND		1.00	0.400	ug/L			08/06/25 13:16	1
Isobutyl alcohol	ND		200	11.6	ug/L			08/06/25 13:16	1
m&p-Xylene	ND		2.00	0.400	ug/L			08/06/25 13:16	1
Methacrylonitrile	ND	cn	100	9.75	ug/L			08/06/25 13:16	1
Methyl iodide	ND		10.0	0.580	ug/L			08/06/25 13:16	1
Methyl methacrylate	ND		10.0	3.58	ug/L			08/06/25 13:16	1
Methylene Chloride	ND		1.00	0.700	ug/L			08/06/25 13:16	1

Client Sample ID: Trip Blank 1
Lab Sample ID: 410-234898-12
Date Collected: 07/29/25 00:00
Matrix: Water
Date Received: 07/31/25 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.00	0.400	ug/L			08/06/25 13:16	1
o-Xylene	ND		1.00	0.400	ug/L			08/06/25 13:16	1
Pentachloroethane	ND		10.0	1.70	ug/L			08/06/25 13:16	1
Propionitrile	ND	cn	100	10.2	ug/L			08/06/25 13:16	1
Styrene	ND		1.00	0.300	ug/L			08/06/25 13:16	1
Tetrachloroethene	ND		1.00	0.300	ug/L			08/06/25 13:16	1
Tetrahydrofuran	ND	cn	25.0	2.00	ug/L			08/06/25 13:16	1
Toluene	ND		1.00	0.300	ug/L			08/06/25 13:16	1
trans-1,2-Dichloroethene	ND		1.00	0.300	ug/L			08/06/25 13:16	1
trans-1,3-Dichloropropene	ND		1.00	0.400	ug/L			08/06/25 13:16	1
Trichloroethene	ND		1.00	0.300	ug/L			08/06/25 13:16	1
Trichlorofluoromethane	ND		1.00	0.400	ug/L			08/06/25 13:16	1
Vinyl acetate	ND		10.0	3.29	ug/L			08/06/25 13:16	1
Vinyl chloride	ND		1.00	0.200	ug/L			08/06/25 13:16	1
Xylenes, Total	ND		3.00	0.400	ug/L			08/06/25 13:16	1
Dimethyl ether	ND		0.500	0.300	ug/L			08/06/25 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*08/06/25 13:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*08/06/25 10:52*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*08/06/25 13:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/06/25 13:16*	*1*
Dibromofluoromethane (Surr)	*115*		*80 - 120*		*08/06/25 10:52*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*08/06/25 10:52*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/06/25 13:16*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*08/06/25 10:52*	*1*

Client Sample ID: Trip Blank 2
Lab Sample ID: 410-234898-13
Date Collected: 07/29/25 00:00
Matrix: Water
Date Received: 07/31/25 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Propanol	ND		100	50.0	ug/L			08/06/25 11:12	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.300	ug/L			08/06/25 13:38	1
1,1,1-Trichloroethane	ND		1.00	0.300	ug/L			08/06/25 13:38	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.300	ug/L			08/06/25 13:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.400	ug/L			08/06/25 13:38	1
1,1,2-Trichloroethane	ND		1.00	0.300	ug/L			08/06/25 13:38	1
1,1-Dichloroethane	ND		1.00	0.300	ug/L			08/06/25 13:38	1
1,1-Dichloroethene	ND		1.00	0.300	ug/L			08/06/25 13:38	1
1,2,3-Trichloropropane	ND		1.00	0.300	ug/L			08/06/25 13:38	1
1,2,4-Trichlorobenzene	ND		1.00	0.600	ug/L			08/06/25 13:38	1
1,2-Dibromo-3-Chloropropane	ND		1.00	0.400	ug/L			08/06/25 13:38	1
1,2-Dibromoethane	ND		1.00	0.300	ug/L			08/06/25 13:38	1
1,2-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 13:38	1
1,2-Dichloroethane	ND		1.00	0.300	ug/L			08/06/25 13:38	1
1,2-Dichloropropane	ND		1.00	0.400	ug/L			08/06/25 13:38	1
1,3-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 13:38	1
1,3-Dichloropropane	ND		1.00	0.400	ug/L			08/06/25 13:38	1

Client Sample ID: Trip Blank 2
Lab Sample ID: 410-234898-13

Date Collected: 07/29/25 00:00
Matrix: Water

Date Received: 07/31/25 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 13:38	1
1,4-Dioxane	ND		200	45.5	ug/L			08/06/25 13:38	1
2-Butanone	ND	cn	10.0	1.70	ug/L			08/06/25 13:38	1
2-Hexanone	ND	cn	10.0	2.00	ug/L			08/06/25 13:38	1
4-Methyl-2-pentanone	ND	cn	10.0	2.00	ug/L			08/06/25 13:38	1
Acetone	**3.65**	**J**	10.0	2.00	ug/L			08/06/25 13:38	1
Acetonitrile	ND		100	31.6	ug/L			08/06/25 13:38	1
Acrylonitrile	ND		10.0	1.10	ug/L			08/06/25 13:38	1
Allyl chloride	ND		10.0	1.00	ug/L			08/06/25 13:38	1
Benzene	ND		1.00	0.300	ug/L			08/06/25 13:38	1
Bromodichloromethane	ND		1.00	0.300	ug/L			08/06/25 13:38	1
Bromoform	ND		1.00	0.400	ug/L			08/06/25 13:38	1
Bromomethane	ND		1.00	0.542	ug/L			08/06/25 13:38	1
Carbon disulfide	ND		10.0	0.400	ug/L			08/06/25 13:38	1
Carbon tetrachloride	ND		1.00	0.300	ug/L			08/06/25 13:38	1
Chloroethane	ND		1.00	0.100	ug/L			08/06/25 13:38	1
Chloroform	ND		1.00	0.300	ug/L			08/06/25 13:38	1
Chloromethane	ND		1.00	0.100	ug/L			08/06/25 13:38	1
Chloroprene	ND		10.0	0.460	ug/L			08/06/25 13:38	1
Dibromochloromethane	ND		1.00	0.400	ug/L			08/06/25 13:38	1
Dibromomethane	ND		1.00	0.300	ug/L			08/06/25 13:38	1
Dichlorodifluoromethane	ND		1.00	0.400	ug/L			08/06/25 13:38	1
Diethyl ether	ND		10.0	1.11	ug/L			08/06/25 13:38	1
Ethyl methacrylate	ND		10.0	0.810	ug/L			08/06/25 13:38	1
Ethylbenzene	ND		1.00	0.300	ug/L			08/06/25 13:38	1
Hexachlorobutadiene	ND		1.00	0.400	ug/L			08/06/25 13:38	1
Isobutyl alcohol	ND		200	11.6	ug/L			08/06/25 13:38	1
m&p-Xylene	ND		2.00	0.400	ug/L			08/06/25 13:38	1
Methacrylonitrile	ND	cn	100	9.75	ug/L			08/06/25 13:38	1
Methyl iodide	ND		10.0	0.580	ug/L			08/06/25 13:38	1
Methyl methacrylate	ND		10.0	3.58	ug/L			08/06/25 13:38	1
Methylene Chloride	ND		1.00	0.700	ug/L			08/06/25 13:38	1
Naphthalene	ND		1.00	0.400	ug/L			08/06/25 13:38	1
o-Xylene	ND		1.00	0.400	ug/L			08/06/25 13:38	1
Pentachloroethane	ND		10.0	1.70	ug/L			08/06/25 13:38	1
Propionitrile	ND	cn	100	10.2	ug/L			08/06/25 13:38	1
Styrene	ND		1.00	0.300	ug/L			08/06/25 13:38	1
Tetrachloroethene	ND		1.00	0.300	ug/L			08/06/25 13:38	1
Tetrahydrofuran	ND	cn	25.0	2.00	ug/L			08/06/25 13:38	1
Toluene	ND		1.00	0.300	ug/L			08/06/25 13:38	1
trans-1,2-Dichloroethene	ND		1.00	0.300	ug/L			08/06/25 13:38	1
trans-1,3-Dichloropropene	ND		1.00	0.400	ug/L			08/06/25 13:38	1
Trichloroethene	ND		1.00	0.300	ug/L			08/06/25 13:38	1
Trichlorofluoromethane	ND		1.00	0.400	ug/L			08/06/25 13:38	1
Vinyl acetate	ND		10.0	3.29	ug/L			08/06/25 13:38	1
Vinyl chloride	ND		1.00	0.200	ug/L			08/06/25 13:38	1
Xylenes, Total	ND		3.00	0.400	ug/L			08/06/25 13:38	1
Dimethyl ether	ND		0.500	0.300	ug/L			08/06/25 13:38	1

Client Sample ID: Trip Blank 2
Lab Sample ID: 410-234898-13
Date Collected: 07/29/25 00:00
Matrix: Water
Date Received: 07/31/25 09:20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*08/06/25 13:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 120*		*08/06/25 11:12*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*08/06/25 13:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*08/06/25 13:38*	*1*
Dibromofluoromethane (Surr)	*114*		*80 - 120*		*08/06/25 11:12*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*08/06/25 11:12*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/06/25 13:38*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*08/06/25 11:12*	*1*

Client Sample ID: Trip Blank 3
Lab Sample ID: 410-234898-14
Date Collected: 07/29/25 00:00
Matrix: Water
Date Received: 07/31/25 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Propanol	ND		100	50.0	ug/L			08/06/25 11:33	1
1,1,1,2-Tetrachloroethane	ND		1.00	0.300	ug/L			08/06/25 14:00	1
1,1,1-Trichloroethane	ND		1.00	0.300	ug/L			08/06/25 14:00	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.300	ug/L			08/06/25 14:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.400	ug/L			08/06/25 14:00	1
1,1,2-Trichloroethane	ND		1.00	0.300	ug/L			08/06/25 14:00	1
1,1-Dichloroethane	ND		1.00	0.300	ug/L			08/06/25 14:00	1
1,1-Dichloroethene	ND		1.00	0.300	ug/L			08/06/25 14:00	1
1,2,3-Trichloropropane	ND		1.00	0.300	ug/L			08/06/25 14:00	1
1,2,4-Trichlorobenzene	ND		1.00	0.600	ug/L			08/06/25 14:00	1
1,2-Dibromo-3-Chloropropane	ND		1.00	0.400	ug/L			08/06/25 14:00	1
1,2-Dibromoethane	ND		1.00	0.300	ug/L			08/06/25 14:00	1
1,2-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 14:00	1
1,2-Dichloroethane	ND		1.00	0.300	ug/L			08/06/25 14:00	1
1,2-Dichloropropane	ND		1.00	0.400	ug/L			08/06/25 14:00	1
1,3-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 14:00	1
1,3-Dichloropropane	ND		1.00	0.400	ug/L			08/06/25 14:00	1
1,4-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 14:00	1
1,4-Dioxane	ND		200	45.5	ug/L			08/06/25 14:00	1
2-Butanone	ND	cn	10.0	1.70	ug/L			08/06/25 14:00	1
2-Hexanone	ND	cn	10.0	2.00	ug/L			08/06/25 14:00	1
4-Methyl-2-pentanone	ND	cn	10.0	2.00	ug/L			08/06/25 14:00	1
Acetone	**7.50**	**J**	10.0	2.00	ug/L			08/06/25 14:00	1
Acetonitrile	ND		100	31.6	ug/L			08/06/25 14:00	1
Acrylonitrile	ND		10.0	1.10	ug/L			08/06/25 14:00	1
Allyl chloride	ND		10.0	1.00	ug/L			08/06/25 14:00	1
Benzene	ND		1.00	0.300	ug/L			08/06/25 14:00	1
Bromodichloromethane	ND		1.00	0.300	ug/L			08/06/25 14:00	1
Bromoform	ND		1.00	0.400	ug/L			08/06/25 14:00	1
Bromomethane	ND		1.00	0.542	ug/L			08/06/25 14:00	1
Carbon disulfide	ND		10.0	0.400	ug/L			08/06/25 14:00	1
Carbon tetrachloride	ND		1.00	0.300	ug/L			08/06/25 14:00	1
Chloroethane	ND		1.00	0.100	ug/L			08/06/25 14:00	1
Chloroform	ND		1.00	0.300	ug/L			08/06/25 14:00	1
Chloromethane	ND		1.00	0.100	ug/L			08/06/25 14:00	1

Client Sample ID: Trip Blank 3
Lab Sample ID: 410-234898-14

Date Collected: 07/29/25 00:00
Matrix: Water

Date Received: 07/31/25 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroprene	ND		10.0	0.460	ug/L			08/06/25 14:00	1
Dibromochloromethane	ND		1.00	0.400	ug/L			08/06/25 14:00	1
Dibromomethane	ND		1.00	0.300	ug/L			08/06/25 14:00	1
Dichlorodifluoromethane	ND		1.00	0.400	ug/L			08/06/25 14:00	1
Diethyl ether	ND		10.0	1.11	ug/L			08/06/25 14:00	1
Ethyl methacrylate	ND		10.0	0.810	ug/L			08/06/25 14:00	1
Ethylbenzene	ND		1.00	0.300	ug/L			08/06/25 14:00	1
Hexachlorobutadiene	ND		1.00	0.400	ug/L			08/06/25 14:00	1
Isobutyl alcohol	ND		200	11.6	ug/L			08/06/25 14:00	1
m&p-Xylene	ND		2.00	0.400	ug/L			08/06/25 14:00	1
Methacrylonitrile	ND	cn	100	9.75	ug/L			08/06/25 14:00	1
Methyl iodide	ND		10.0	0.580	ug/L			08/06/25 14:00	1
Methyl methacrylate	ND		10.0	3.58	ug/L			08/06/25 14:00	1
Methylene Chloride	ND		1.00	0.700	ug/L			08/06/25 14:00	1
Naphthalene	ND		1.00	0.400	ug/L			08/06/25 14:00	1
o-Xylene	ND		1.00	0.400	ug/L			08/06/25 14:00	1
Pentachloroethane	ND		10.0	1.70	ug/L			08/06/25 14:00	1
Propionitrile	ND	cn	100	10.2	ug/L			08/06/25 14:00	1
Styrene	ND		1.00	0.300	ug/L			08/06/25 14:00	1
Tetrachloroethene	ND		1.00	0.300	ug/L			08/06/25 14:00	1
Tetrahydrofuran	ND	cn	25.0	2.00	ug/L			08/06/25 14:00	1
Toluene	ND		1.00	0.300	ug/L			08/06/25 14:00	1
trans-1,2-Dichloroethene	ND		1.00	0.300	ug/L			08/06/25 14:00	1
trans-1,3-Dichloropropene	ND		1.00	0.400	ug/L			08/06/25 14:00	1
Trichloroethene	ND		1.00	0.300	ug/L			08/06/25 14:00	1
Trichlorofluoromethane	ND		1.00	0.400	ug/L			08/06/25 14:00	1
Vinyl acetate	ND		10.0	3.29	ug/L			08/06/25 14:00	1
Vinyl chloride	ND		1.00	0.200	ug/L			08/06/25 14:00	1
Xylenes, Total	ND		3.00	0.400	ug/L			08/06/25 14:00	1
Dimethyl ether	ND		0.500	0.300	ug/L			08/06/25 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*08/06/25 14:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*80 - 120*		*08/06/25 11:33*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*08/06/25 14:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*08/06/25 14:00*	*1*
Dibromofluoromethane (Surr)	*114*		*80 - 120*		*08/06/25 11:33*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*08/06/25 11:33*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/06/25 14:00*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*08/06/25 11:33*	*1*

Default Detection Limits

Client: TRC, Engineers, Inc.
Job ID: 410-234898-1
Project/Site: RFAAP, Radford HWMU16

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	RL	MDL
1,1,1,2-Tetrachloroethane	1.00 ug/L	0.300 ug/L
1,1,1-Trichloroethane	1.00 ug/L	0.300 ug/L
1,1,2,2-Tetrachloroethane	1.00 ug/L	0.300 ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00 ug/L	0.400 ug/L
1,1,2-Trichloroethane	1.00 ug/L	0.300 ug/L
1,1-Dichloroethane	1.00 ug/L	0.300 ug/L
1,1-Dichloroethene	1.00 ug/L	0.300 ug/L
1,2,3-Trichloropropane	1.00 ug/L	0.300 ug/L
1,2,4-Trichlorobenzene	1.00 ug/L	0.600 ug/L
1,2-Dibromo-3-Chloropropane	1.00 ug/L	0.400 ug/L
1,2-Dibromoethane	1.00 ug/L	0.300 ug/L
1,2-Dichlorobenzene	1.00 ug/L	0.400 ug/L
1,2-Dichloroethane	1.00 ug/L	0.300 ug/L
1,2-Dichloropropane	1.00 ug/L	0.400 ug/L
1,3-Dichlorobenzene	1.00 ug/L	0.400 ug/L
1,3-Dichloropropane	1.00 ug/L	0.400 ug/L
1,4-Dichlorobenzene	1.00 ug/L	0.400 ug/L
1,4-Dioxane	200 ug/L	45.5 ug/L
2-Butanone	10.0 ug/L	1.70 ug/L
2-Hexanone	10.0 ug/L	2.00 ug/L
2-Propanol	100 ug/L	50.0 ug/L
4-Methyl-2-pentanone	10.0 ug/L	2.00 ug/L
Acetone	10.0 ug/L	2.00 ug/L
Acetone	20.0 ug/L	2.00 ug/L
Acetonitrile	100 ug/L	31.6 ug/L
Acrylonitrile	10.0 ug/L	1.10 ug/L
Allyl chloride	10.0 ug/L	1.00 ug/L
Benzene	1.00 ug/L	0.300 ug/L
Bromodichloromethane	1.00 ug/L	0.300 ug/L
Bromoform	1.00 ug/L	0.400 ug/L
Bromomethane	1.00 ug/L	0.542 ug/L
Carbon disulfide	10.0 ug/L	0.400 ug/L
Carbon tetrachloride	1.00 ug/L	0.300 ug/L
Chloroethane	1.00 ug/L	0.100 ug/L
Chloroform	1.00 ug/L	0.300 ug/L
Chloromethane	1.00 ug/L	0.100 ug/L
Chloroprene	10.0 ug/L	0.460 ug/L
Dibromochloromethane	1.00 ug/L	0.400 ug/L
Dibromomethane	1.00 ug/L	0.300 ug/L
Dichlorodifluoromethane	1.00 ug/L	0.400 ug/L
Diethyl ether	10.0 ug/L	1.11 ug/L
Dimethyl ether	0.500 ug/L	0.300 ug/L
Ethyl methacrylate	10.0 ug/L	0.810 ug/L
Ethylbenzene	1.00 ug/L	0.300 ug/L
Hexachlorobutadiene	1.00 ug/L	0.400 ug/L
Isobutyl alcohol	200 ug/L	11.6 ug/L
m&p-Xylene	2.00 ug/L	0.400 ug/L
Methacrylonitrile	100 ug/L	9.75 ug/L
Methyl iodide	10.0 ug/L	0.580 ug/L
Methyl methacrylate	10.0 ug/L	3.58 ug/L
Methylene Chloride	1.00 ug/L	0.700 ug/L
Naphthalene	1.00 ug/L	0.400 ug/L
o-Xylene	1.00 ug/L	0.400 ug/L

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	RL	MDL
Pentachloroethane	10.0 ug/L	1.70 ug/L
Propionitrile	100 ug/L	10.2 ug/L
Styrene	1.00 ug/L	0.300 ug/L
Tetrachloroethene	1.00 ug/L	0.300 ug/L
Tetrahydrofuran	25.0 ug/L	2.00 ug/L
Toluene	1.00 ug/L	0.300 ug/L
trans-1,2-Dichloroethene	1.00 ug/L	0.300 ug/L
trans-1,3-Dichloropropene	1.00 ug/L	0.400 ug/L
Trichloroethene	1.00 ug/L	0.300 ug/L
Trichlorofluoromethane	1.00 ug/L	0.400 ug/L
Vinyl acetate	10.0 ug/L	3.29 ug/L
Vinyl chloride	1.00 ug/L	0.200 ug/L
Xylenes, Total	3.00 ug/L	0.400 ug/L

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Prep: 3510C

Analyte	RL	MDL
1,2,4,5-Tetrachlorobenzene	10.0 ug/L	2.00 ug/L
1,3-Dinitrobenzene	10.0 ug/L	2.30 ug/L
2,3,4,6-Tetrachlorophenol	10.0 ug/L	1.80 ug/L
2,4,5-Trichlorophenol	10.0 ug/L	2.00 ug/L
2,4,6-Trichlorophenol	10.0 ug/L	1.80 ug/L
2,4-Dichlorophenol	10.0 ug/L	1.59 ug/L
2,4-Dinitrotoluene	10.0 ug/L	2.10 ug/L
2,6-Dichlorophenol	10.0 ug/L	1.40 ug/L
2,6-Dinitrotoluene	10.0 ug/L	2.10 ug/L
2-Chloronaphthalene	10.0 ug/L	0.500 ug/L
2-Chlorophenol	10.0 ug/L	1.00 ug/L
2-Methylnaphthalene	10.0 ug/L	0.290 ug/L
2-Nitroaniline	10.0 ug/L	1.00 ug/L
2-Nitrophenol	10.0 ug/L	1.27 ug/L
4-Bromophenyl-phenylether	10.0 ug/L	0.560 ug/L
4-Chloro-3-methylphenol	10.0 ug/L	1.00 ug/L
4-Chlorophenyl-phenyl ether	10.0 ug/L	0.600 ug/L
5-Nitro-o-toluidine	10.0 ug/L	2.00 ug/L
Acenaphthene	10.0 ug/L	0.350 ug/L
Acenaphthylene	10.0 ug/L	0.480 ug/L
Anthracene	10.0 ug/L	0.520 ug/L
Benzo[a]anthracene	10.0 ug/L	0.450 ug/L
Benzo[a]pyrene	10.0 ug/L	1.50 ug/L
Benzo[b]fluoranthene	10.0 ug/L	1.20 ug/L
Benzo[g,h,i]perylene	10.0 ug/L	0.420 ug/L
Benzo[k]fluoranthene	10.0 ug/L	1.60 ug/L
bis (2-chloroisopropyl) ether	10.0 ug/L	0.600 ug/L
Bis(2-ethylhexyl) phthalate	10.0 ug/L	2.00 ug/L
Chrysene	10.0 ug/L	0.310 ug/L
Diallate	10.0 ug/L	3.00 ug/L
Dibenz(a,h)anthracene	10.0 ug/L	0.380 ug/L
Dibenzofuran	10.0 ug/L	0.600 ug/L
Diethyl phthalate	10.0 ug/L	2.00 ug/L
Dimethoate	10.0 ug/L	3.00 ug/L
Ethyl methanesulfonate	10.0 ug/L	1.10 ug/L

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Prep: 3510C

Analyte	RL	MDL
Fluoranthene	10.0 ug/L	0.420 ug/L
Fluorene	10.0 ug/L	0.380 ug/L
Hexachlorobenzene	10.0 ug/L	0.870 ug/L
Hexachloropropene	10.0 ug/L	2.00 ug/L
Indeno[1,2,3-cd]pyrene	10.0 ug/L	0.150 ug/L
Isodrin	10.0 ug/L	1.10 ug/L
Kepone	50.0 ug/L	25.0 ug/L
m & p-Cresol	20.0 ug/L	2.47 ug/L
Nitrobenzene	10.0 ug/L	0.600 ug/L
N-Nitrosodiethylamine	10.0 ug/L	3.00 ug/L
N-Nitrosodimethylamine	10.0 ug/L	2.00 ug/L
n-Nitrosodiphenylamine(as diphenylamine)	10.0 ug/L	0.580 ug/L
N-Nitrosomorpholine	10.0 ug/L	3.00 ug/L
N-Nitrosopiperidine	10.0 ug/L	1.10 ug/L
o,o',o''-Triethylphosphorothioate	10.0 ug/L	2.60 ug/L
O,O-Diethyl O-2-pyrazinyl phosphorothioate	10.0 ug/L	2.40 ug/L
o-Cresol	10.0 ug/L	0.960 ug/L
Pentachlorobenzene	10.0 ug/L	1.60 ug/L
Pentachlorophenol	10.0 ug/L	3.00 ug/L
Phenacetin	10.0 ug/L	1.40 ug/L
Phenanthrene	10.0 ug/L	0.520 ug/L
Phenol	10.0 ug/L	0.770 ug/L
Phorate	10.0 ug/L	2.50 ug/L
Pyrene	10.0 ug/L	0.410 ug/L
Safrole, Total	10.0 ug/L	2.20 ug/L
Sulfotepp	10.0 ug/L	2.40 ug/L

Method: 6020B - Metals (ICP/MS) - Total Recoverable

Prep: 3005A

Analyte	RL	MDL
Antimony	2.00 ug/L	0.600 ug/L
Arsenic	10.0 ug/L	2.00 ug/L
Barium	10.0 ug/L	1.30 ug/L
Beryllium	1.00 ug/L	0.300 ug/L
Cadmium	1.00 ug/L	0.200 ug/L
Chromium	5.00 ug/L	1.00 ug/L
Cobalt	5.00 ug/L	1.00 ug/L
Copper	5.00 ug/L	1.70 ug/L
Lead	3.00 ug/L	1.00 ug/L
Nickel	10.0 ug/L	2.00 ug/L
Selenium	10.0 ug/L	3.00 ug/L
Silver	2.00 ug/L	0.300 ug/L
Thallium	1.00 ug/L	0.200 ug/L
Vanadium	10.0 ug/L	2.50 ug/L
Zinc	30.0 ug/L	7.30 ug/L

Method: 7470A - Mercury (CVAA)

Prep: 7470A

Analyte	RL	MDL
Mercury	2.00 ug/L	0.200 ug/L

Default Detection Limits

Client: TRC, Engineers, Inc.
Job ID: 410-234898-1
Project/Site: RFAAP, Radford HWMU16

General Chemistry

Prep: 9012B

Analyte	RL	MDL
Cyanide, Total	20.0 ug/L	5.00 ug/L

Surrogate Summary

Client: TRC, Engineers, Inc.
Project/Site: RFAAP, Radford HWMU16

Job ID: 410-234898-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	DBFM	BFB	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-234898-1	16C1	114	117	80	104
410-234898-1	16C1	108	112	91	93
410-234898-1 - DL	16C1	110	113	92	94
410-234898-2	16MW8	111	115	93	103
410-234898-2	16MW8	107	111	91	94
410-234898-3	16MW9	115	116	104	117
410-234898-3	16MW9	109	110	92	94
410-234898-3 - DL	16MW9	110	112	92	93
410-234898-4	16WC1A	115	116	93	104
410-234898-4	16WC1A	108	111	92	94
410-234898-4 MS	16WC1AMS	111	113	94	107
410-234898-4 MS	16WC1AMS	101	107	101	98
410-234898-4 MS	16WC1AMS	106	109	92	93
410-234898-4 MSD	16WC1AMSD	112	110	92	108
410-234898-4 MSD	16WC1AMSD	102	108	100	98
410-234898-4 MSD	16WC1AMSD	106	109	92	93
410-234898-5	16WDUP	114	112	94	104
410-234898-5	16WDUP	109	110	92	93
410-234898-6	16WC1B	114	117	95	103
410-234898-6	16WC1B	107	111	93	93
410-234898-12	Trip Blank 1	109	115	89	105
410-234898-12	Trip Blank 1	105	109	92	93
410-234898-13	Trip Blank 2	112	114	93	103
410-234898-13	Trip Blank 2	108	109	93	92
410-234898-14	Trip Blank 3	114	114	92	103
410-234898-14	Trip Blank 3	107	112	92	93
LCS 410-681349/4	Lab Control Sample	107	110	102	120
LCS 410-681517/5	Lab Control Sample	107	106	101	96
LCS 410-681517/6	Lab Control Sample	106	106	93	95
LCSD 410-681349/5	Lab Control Sample Dup	109	110	97	112
MB 410-681349/7	Method Blank	110	114	95	104
MB 410-681517/8	Method Blank	106	109	91	92

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(13-134)	(45-120)	(10-120)	(33-120)	(26-123)	(10-120)
410-234898-1	16C1	78	78	52	75	97	38
410-234898-2	16MW8	83	78	73	64	98	55
410-234898-3	16MW9	64	80	32	72	89	25
410-234898-4	16WC1A	10 S1- cn	79 cn	3 S1- cn	70 cn	69 cn	9 S1- cn
410-234898-4 - RE	16WC1A	68	77	39	80	56	42

Surrogate Summary

Client: TRC, Engineers, Inc. Job ID: 410-234898-1
Project/Site: RFAAP, Radford HWMU16

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(13-134)	(45-120)	(10-120)	(33-120)	(26-123)	(10-120)
410-234898-4 MS	16WC1AMS	14 cn	77 cn	13 cn	69 cn	95 cn	12 cn
410-234898-4 MSD	16WC1AMSD	12 S1- cn	75 cn	7 S1- cn	69 cn	98 cn	6 S1- cn
410-234898-5	16WDUP	19 cn	77 cn	15 cn	64 cn	55 cn	9 S1- cn
410-234898-5 - RE	16WDUP	65	77	34	80	58	39
410-234898-6	16WC1B	65	80	34	85	83	25
LCS 410-681120/2-A	Lab Control Sample	82	82	57	72	103	40
LCS 410-681120/4-A	Lab Control Sample	76	71	48	58	85	33
LCS 410-681385/2-A	Lab Control Sample	82	73	65	72	96	49
LCS 410-681385/3-A	Lab Control Sample	82	81	65	74	104	46
LCS 410-683371/2-A	Lab Control Sample	74	66	41	71	84	32
LCS 410-683371/3-A	Lab Control Sample	78	73	46	78	91	36
LCSD 410-681120/3-A	Lab Control Sample Dup	89	78	58	76	106	41
LCSD 410-681120/5-A	Lab Control Sample Dup	74	71	48	55	83	30
LCSD 410-681385/4-A	Lab Control Sample Dup	87	76	70	71	100	52
LCSD 410-683371/4-A	Lab Control Sample Dup	51	59	35	60	74	32
MB 410-681120/1-A	Method Blank	79	82	51	63	98	36
MB 410-681385/1-A	Method Blank	81	75	66	75	102	45
MB 410-683371/1-A	Method Blank	82	74	43	78	104	36

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-681349/7
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 681349

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Propanol	ND		100	50.0	ug/L			08/06/25 10:23	1
Acetone	ND		20.0	2.00	ug/L			08/06/25 10:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*08/06/25 10:23*	*1*
Dibromofluoromethane (Surr)	*114*		*80 - 120*		*08/06/25 10:23*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*08/06/25 10:23*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*08/06/25 10:23*	*1*

Lab Sample ID: LCS 410-681349/4
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 681349

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Propanol			150	112.1		ug/L		75	34 - 139		
Acetone			250	334.4		ug/L		134	57 - 143		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*
Dibromofluoromethane (Surr)	*110*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*120*		*80 - 120*

Lab Sample ID: LCSD 410-681349/5
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 681349

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Propanol			150	118.1		ug/L		79	34 - 139	5	30
Acetone			250	325.8		ug/L		130	57 - 143	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*
Dibromofluoromethane (Surr)	*110*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*112*		*80 - 120*

Lab Sample ID: 410-234898-4 MS
Client Sample ID: 16WC1AMS
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 681349

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Propanol	ND		150	87.27	J	ug/L		58	29 - 145		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*
Dibromofluoromethane (Surr)	*113*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-234898-4 MS
Matrix: Water
Analysis Batch: 681349

Client Sample ID: 16WC1AMS
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: 410-234898-4 MSD
Matrix: Water
Analysis Batch: 681349

Client Sample ID: 16WC1AMSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Propanol	ND		150	90.83	J	ug/L		61	29 - 145	4	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 120*
Dibromofluoromethane (Surr)	*110*		*80 - 120*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: MB 410-681517/8
Matrix: Water
Analysis Batch: 681517

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.300	ug/L			08/06/25 12:21	1
1,1,1-Trichloroethane	ND		1.00	0.300	ug/L			08/06/25 12:21	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.300	ug/L			08/06/25 12:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.400	ug/L			08/06/25 12:21	1
1,1,2-Trichloroethane	ND		1.00	0.300	ug/L			08/06/25 12:21	1
1,1-Dichloroethane	ND		1.00	0.300	ug/L			08/06/25 12:21	1
1,1-Dichloroethene	ND		1.00	0.300	ug/L			08/06/25 12:21	1
1,2,3-Trichloropropane	ND		1.00	0.300	ug/L			08/06/25 12:21	1
1,2,4-Trichlorobenzene	ND		1.00	0.600	ug/L			08/06/25 12:21	1
1,2-Dibromo-3-Chloropropane	ND		1.00	0.400	ug/L			08/06/25 12:21	1
1,2-Dibromoethane	ND		1.00	0.300	ug/L			08/06/25 12:21	1
1,2-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 12:21	1
1,2-Dichloroethane	ND		1.00	0.300	ug/L			08/06/25 12:21	1
1,2-Dichloropropane	ND		1.00	0.400	ug/L			08/06/25 12:21	1
1,3-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 12:21	1
1,3-Dichloropropane	ND		1.00	0.400	ug/L			08/06/25 12:21	1
1,4-Dichlorobenzene	ND		1.00	0.400	ug/L			08/06/25 12:21	1
1,4-Dioxane	ND		200	45.5	ug/L			08/06/25 12:21	1
2-Butanone	ND		10.0	1.70	ug/L			08/06/25 12:21	1
2-Hexanone	ND		10.0	2.00	ug/L			08/06/25 12:21	1
4-Methyl-2-pentanone	ND		10.0	2.00	ug/L			08/06/25 12:21	1
Acetone	ND		10.0	2.00	ug/L			08/06/25 12:21	1
Acetonitrile	ND		100	31.6	ug/L			08/06/25 12:21	1
Acrylonitrile	ND		10.0	1.10	ug/L			08/06/25 12:21	1
Allyl chloride	ND		10.0	1.00	ug/L			08/06/25 12:21	1
Benzene	ND		1.00	0.300	ug/L			08/06/25 12:21	1
Bromodichloromethane	ND		1.00	0.300	ug/L			08/06/25 12:21	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-681517/8
Matrix: Water
Analysis Batch: 681517

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		1.00	0.400	ug/L			08/06/25 12:21	1
Bromomethane	ND		1.00	0.542	ug/L			08/06/25 12:21	1
Carbon disulfide	ND		10.0	0.400	ug/L			08/06/25 12:21	1
Carbon tetrachloride	ND		1.00	0.300	ug/L			08/06/25 12:21	1
Chloroethane	ND		1.00	0.100	ug/L			08/06/25 12:21	1
Chloroform	ND		1.00	0.300	ug/L			08/06/25 12:21	1
Chloromethane	ND		1.00	0.100	ug/L			08/06/25 12:21	1
Chloroprene	ND		10.0	0.460	ug/L			08/06/25 12:21	1
Dibromochloromethane	ND		1.00	0.400	ug/L			08/06/25 12:21	1
Dibromomethane	ND		1.00	0.300	ug/L			08/06/25 12:21	1
Dichlorodifluoromethane	ND		1.00	0.400	ug/L			08/06/25 12:21	1
Diethyl ether	ND		10.0	1.11	ug/L			08/06/25 12:21	1
Ethyl methacrylate	ND		10.0	0.810	ug/L			08/06/25 12:21	1
Ethylbenzene	ND		1.00	0.300	ug/L			08/06/25 12:21	1
Hexachlorobutadiene	ND		1.00	0.400	ug/L			08/06/25 12:21	1
Isobutyl alcohol	ND		200	11.6	ug/L			08/06/25 12:21	1
m&p-Xylene	ND		2.00	0.400	ug/L			08/06/25 12:21	1
Methacrylonitrile	ND		100	9.75	ug/L			08/06/25 12:21	1
Methyl iodide	ND		10.0	0.580	ug/L			08/06/25 12:21	1
Methyl methacrylate	ND		10.0	3.58	ug/L			08/06/25 12:21	1
Methylene Chloride	ND		1.00	0.700	ug/L			08/06/25 12:21	1
Naphthalene	ND		1.00	0.400	ug/L			08/06/25 12:21	1
o-Xylene	ND		1.00	0.400	ug/L			08/06/25 12:21	1
Pentachloroethane	ND		10.0	1.70	ug/L			08/06/25 12:21	1
Propionitrile	ND		100	10.2	ug/L			08/06/25 12:21	1
Styrene	ND		1.00	0.300	ug/L			08/06/25 12:21	1
Tetrachloroethene	ND		1.00	0.300	ug/L			08/06/25 12:21	1
Tetrahydrofuran	ND		25.0	2.00	ug/L			08/06/25 12:21	1
Toluene	ND		1.00	0.300	ug/L			08/06/25 12:21	1
trans-1,2-Dichloroethene	ND		1.00	0.300	ug/L			08/06/25 12:21	1
trans-1,3-Dichloropropene	ND		1.00	0.400	ug/L			08/06/25 12:21	1
Trichloroethene	ND		1.00	0.300	ug/L			08/06/25 12:21	1
Trichlorofluoromethane	ND		1.00	0.400	ug/L			08/06/25 12:21	1
Vinyl acetate	ND		10.0	3.29	ug/L			08/06/25 12:21	1
Vinyl chloride	ND		1.00	0.200	ug/L			08/06/25 12:21	1
Xylenes, Total	ND		3.00	0.400	ug/L			08/06/25 12:21	1
Dimethyl ether	ND		0.500	0.300	ug/L			08/06/25 12:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*08/06/25 12:21*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*08/06/25 12:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*08/06/25 12:21*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/06/25 12:21*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-681517/5
Matrix: Water
Analysis Batch: 681517

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	4.878		ug/L		98	80 - 122
1,1,1-Trichloroethane	5.00	4.968		ug/L		99	78 - 126
1,1,2,2-Tetrachloroethane	5.00	4.360		ug/L		87	75 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	4.888		ug/L		98	67 - 124
1,1,2-Trichloroethane	5.00	4.546		ug/L		91	80 - 120
1,1-Dichloroethane	5.00	5.083		ug/L		102	74 - 120
1,1-Dichloroethene	5.00	5.068		ug/L		101	80 - 131
1,2,3-Trichloropropane	5.00	4.514		ug/L		90	80 - 125
1,2,4-Trichlorobenzene	5.00	4.341		ug/L		87	68 - 122
1,2-Dibromo-3-Chloropropane	5.00	4.142		ug/L		83	75 - 124
1,2-Dibromoethane	5.00	4.489		ug/L		90	80 - 120
1,2-Dichlorobenzene	5.00	4.593		ug/L		92	80 - 120
1,2-Dichloroethane	5.00	4.627		ug/L		93	69 - 122
1,2-Dichloropropane	5.00	4.985		ug/L		100	80 - 120
1,3-Dichlorobenzene	5.00	4.538		ug/L		91	80 - 120
1,3-Dichloropropane	5.00	4.458		ug/L		89	80 - 120
1,4-Dichlorobenzene	5.00	4.522		ug/L		90	80 - 120
1,4-Dioxane	125	118.8	J	ug/L		95	65 - 169
2-Butanone	62.5	66.72		ug/L		107	59 - 141
2-Hexanone	62.5	65.71		ug/L		105	52 - 140
4-Methyl-2-pentanone	62.5	65.91		ug/L		105	55 - 140
Acetone	62.5	61.41		ug/L		98	60 - 146
Acrylonitrile	25.0	25.38		ug/L		102	64 - 139
Allyl chloride	5.00	5.033	J	ug/L		101	69 - 120
Benzene	5.00	4.921		ug/L		98	80 - 120
Bromodichloromethane	5.00	4.898		ug/L		98	80 - 123
Bromoform	5.00	4.892		ug/L		98	75 - 126
Bromomethane	5.00	5.600		ug/L		112	63 - 120
Carbon disulfide	5.00	4.976	J	ug/L		100	67 - 130
Carbon tetrachloride	5.00	5.091		ug/L		102	64 - 141
Chloroethane	5.00	5.560		ug/L		111	63 - 120
Chloroform	5.00	4.913		ug/L		98	80 - 120
Chloromethane	5.00	4.513		ug/L		90	56 - 124
Chloroprene	5.00	4.584	J	ug/L		92	77 - 128
Dibromochloromethane	5.00	4.658		ug/L		93	80 - 123
Dibromomethane	5.00	4.857		ug/L		97	80 - 122
Dichlorodifluoromethane	5.00	4.565		ug/L		91	43 - 123
Diethyl ether	4.96	4.675	J	ug/L		94	54 - 127
Ethyl methacrylate	5.00	3.875	J	ug/L		77	76 - 120
Ethylbenzene	5.00	4.535		ug/L		91	80 - 120
Hexachlorobutadiene	5.00	4.686		ug/L		94	72 - 132
Isobutyl alcohol	125	124.9	J	ug/L		100	57 - 137
m&p-Xylene	10.0	9.285		ug/L		93	80 - 120
Methacrylonitrile	37.5	40.03	J	ug/L		107	60 - 145
Methyl iodide	5.00	4.820	J	ug/L		96	77 - 120
Methyl methacrylate	5.00	4.650	J	ug/L		93	55 - 139
Methylene Chloride	5.00	5.144		ug/L		103	80 - 120
Naphthalene	5.00	4.131		ug/L		83	64 - 135

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-681517/5
Matrix: Water
Analysis Batch: 681517

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	5.00	4.480		ug/L		90	80 - 120
Pentachloroethane	5.00	4.865	J	ug/L		97	80 - 120
Propionitrile	37.5	41.97	J	ug/L		112	63 - 145
Styrene	5.00	4.626		ug/L		93	80 - 120
Tetrachloroethene	5.00	4.648		ug/L		93	80 - 120
Tetrahydrofuran	25.0	25.70		ug/L		103	67 - 137
Toluene	5.00	4.550		ug/L		91	80 - 120
trans-1,2-Dichloroethene	5.00	5.032		ug/L		101	80 - 122
trans-1,3-Dichloropropene	5.00	4.388		ug/L		88	61 - 129
Trichloroethene	5.00	4.811		ug/L		96	80 - 120
Trichlorofluoromethane	5.00	5.436		ug/L		109	53 - 136
Vinyl chloride	5.00	4.722		ug/L		94	60 - 125
Xylenes, Total	15.0	13.77		ug/L		92	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: LCS 410-681517/6
Matrix: Water
Analysis Batch: 681517

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetonitrile	18.8	ND		ug/L		107	51 - 160
Vinyl acetate	12.5	14.88		ug/L		119	64 - 145
Dimethyl ether	5.00	4.029		ug/L		81	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: 410-234898-4 MS
Matrix: Water
Analysis Batch: 681517

Client Sample ID: 16WC1AMS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	ND		5.00	4.949		ug/L		99	80 - 122
1,1,1-Trichloroethane	ND		5.00	5.286		ug/L		106	78 - 126
1,1,2,2-Tetrachloroethane	ND		5.00	4.292		ug/L		86	75 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	5.00	5.758		ug/L		115	67 - 124
1,1,2-Trichloroethane	ND		5.00	4.596		ug/L		92	80 - 120
1,1-Dichloroethane	2.44		5.00	8.025		ug/L		112	74 - 120
1,1-Dichloroethene	ND	F1	5.00	6.128		ug/L		122	80 - 131

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-234898-4 MS
Matrix: Water
Analysis Batch: 681517

Client Sample ID: 16WC1AMS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	ND		5.00	4.335		ug/L		87	80 - 125
1,2,4-Trichlorobenzene	ND		5.00	4.495		ug/L		90	68 - 122
1,2-Dibromo-3-Chloropropane	ND		5.00	4.072		ug/L		81	75 - 124
1,2-Dibromoethane	ND		5.00	4.485		ug/L		90	80 - 120
1,2-Dichlorobenzene	ND		5.00	4.727		ug/L		94	80 - 120
1,2-Dichloroethane	ND		5.00	4.825		ug/L		96	69 - 122
1,2-Dichloropropane	ND		5.00	5.058		ug/L		101	80 - 120
1,3-Dichlorobenzene	ND		5.00	4.663		ug/L		93	80 - 120
1,3-Dichloropropane	ND		5.00	4.480		ug/L		90	80 - 120
1,4-Dichlorobenzene	ND		5.00	4.558		ug/L		91	80 - 120
1,4-Dioxane	ND		125	120.9	J	ug/L		97	65 - 169
2-Butanone	ND	cn	62.6	73.11		ug/L		117	59 - 141
2-Hexanone	ND	cn	62.6	74.54		ug/L		119	52 - 140
4-Methyl-2-pentanone	ND	cn	62.6	73.64		ug/L		118	55 - 140
Acetone	ND		62.6	70.87		ug/L		113	60 - 146
Acrylonitrile	ND		25.0	26.24		ug/L		105	64 - 139
Allyl chloride	ND		5.00	4.717	J	ug/L		94	69 - 120
Benzene	ND		5.00	5.336		ug/L		107	80 - 120
Bromodichloromethane	ND		5.00	4.985		ug/L		100	80 - 123
Bromoform	ND		5.00	4.757		ug/L		95	75 - 126
Bromomethane	ND	F1	5.00	6.714	F1	ug/L		134	63 - 120
Carbon disulfide	ND		5.00	4.685	J	ug/L		94	67 - 130
Carbon tetrachloride	ND		5.00	5.420		ug/L		108	64 - 141
Chloroethane	1.53	F1	5.00	8.145	F1	ug/L		132	63 - 120
Chloroform	ND		5.00	5.143		ug/L		103	80 - 120
Chloromethane	ND		5.00	5.361		ug/L		107	80 - 120
Chloroprene	ND		5.00	4.844	J	ug/L		97	77 - 128
Dibromochloromethane	ND		5.00	4.661		ug/L		93	80 - 123
Dibromomethane	ND		5.00	4.875		ug/L		97	80 - 122
Dichlorodifluoromethane	ND		5.00	5.682		ug/L		114	43 - 123
Diethyl ether	21.8		4.97	26.69	E 4	ug/L		98	54 - 127
Ethyl methacrylate	ND		5.00	3.802	J	ug/L		76	76 - 120
Ethylbenzene	ND		5.00	4.724		ug/L		94	80 - 120
Hexachlorobutadiene	ND		5.00	4.975		ug/L		99	72 - 132
Isobutyl alcohol	ND		125	135.1	J	ug/L		108	57 - 137
m&p-Xylene	ND		10.0	9.613		ug/L		96	80 - 120
Methacrylonitrile	ND	cn	37.5	44.08	J	ug/L		117	60 - 145
Methyl iodide	ND		5.00	4.958	J	ug/L		99	77 - 120
Methyl methacrylate	ND		5.00	5.040	J	ug/L		101	55 - 139
Methylene Chloride	ND	F1	5.00	4.986		ug/L		100	80 - 120
Naphthalene	ND		5.00	4.105		ug/L		82	64 - 135
o-Xylene	ND		5.00	4.708		ug/L		94	80 - 120
Pentachloroethane	ND		5.00	5.155	J	ug/L		103	80 - 120
Propionitrile	ND	cn	37.5	42.69	J	ug/L		114	63 - 145
Styrene	ND		5.00	4.833		ug/L		97	80 - 120
Tetrachloroethene	ND		5.00	5.025		ug/L		100	80 - 120
Tetrahydrofuran	ND	cn	25.0	29.53		ug/L		118	67 - 137
Toluene	ND		5.00	4.738		ug/L		95	80 - 120
trans-1,2-Dichloroethene	ND		5.00	5.051		ug/L		101	80 - 122

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-234898-4 MS
Matrix: Water
Analysis Batch: 681517

Client Sample ID: 16WC1AMS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,3-Dichloropropene	ND		5.00	4.267		ug/L		85	61 - 129
Trichloroethene	ND		5.00	5.134		ug/L		103	80 - 120
Trichlorofluoromethane	ND	F1	5.00	6.996	F1	ug/L		140	53 - 136
Vinyl chloride	ND		5.00	5.854		ug/L		117	60 - 125
Xylenes, Total	ND		15.0	14.32		ug/L		95	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*107*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: 410-234898-4 MS
Matrix: Water
Analysis Batch: 681517

Client Sample ID: 16WC1AMS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetonitrile	ND		18.8	ND		ug/L		NC	51 - 160
Vinyl acetate	ND		12.5	15.46		ug/L		124	64 - 145
Dimethyl ether	0.765		4.65	5.154		ug/L		94	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*
Dibromofluoromethane (Surr)	*109*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: 410-234898-4 MSD
Matrix: Water
Analysis Batch: 681517

Client Sample ID: 16WC1AMSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		5.00	5.434		ug/L		109	80 - 122	9	30
1,1,1-Trichloroethane	ND		5.00	5.979		ug/L		119	78 - 126	12	30
1,1,2,2-Tetrachloroethane	ND		5.00	4.806		ug/L		96	75 - 123	11	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	5.00	6.742	F1	ug/L		135	67 - 124	16	30
1,1,2-Trichloroethane	ND		5.00	5.182		ug/L		104	80 - 120	12	30
1,1-Dichloroethane	2.44		5.00	8.296		ug/L		117	74 - 120	3	30
1,1-Dichloroethene	ND	F1	5.00	6.790	F1	ug/L		136	80 - 131	10	30
1,2,3-Trichloropropane	ND		5.00	4.802		ug/L		96	80 - 125	10	30
1,2,4-Trichlorobenzene	ND		5.00	4.832		ug/L		97	68 - 122	7	30
1,2-Dibromo-3-Chloropropane	ND		5.00	4.311		ug/L		86	75 - 124	6	30
1,2-Dibromoethane	ND		5.00	5.111		ug/L		102	80 - 120	13	30
1,2-Dichlorobenzene	ND		5.00	5.207		ug/L		104	80 - 120	10	30
1,2-Dichloroethane	ND		5.00	5.443		ug/L		109	69 - 122	12	30
1,2-Dichloropropane	ND		5.00	5.777		ug/L		115	80 - 120	13	30
1,3-Dichlorobenzene	ND		5.00	5.268		ug/L		105	80 - 120	12	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-234898-4 MSD
Matrix: Water
Analysis Batch: 681517

Client Sample ID: 16WC1AMSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,3-Dichloropropane	ND		5.00	5.033		ug/L		101	80 - 120	12	30
1,4-Dichlorobenzene	ND		5.00	5.242		ug/L		105	80 - 120	14	30
1,4-Dioxane	ND		125	141.8	J	ug/L		113	65 - 169	16	30
2-Butanone	ND	cn	62.6	77.02		ug/L		123	59 - 141	5	30
2-Hexanone	ND	cn	62.6	78.52		ug/L		126	52 - 140	5	30
4-Methyl-2-pentanone	ND	cn	62.6	76.14		ug/L		122	55 - 140	3	30
Acetone	ND		62.6	77.00		ug/L		123	60 - 146	8	30
Acrylonitrile	ND		25.0	29.77		ug/L		119	64 - 139	13	30
Allyl chloride	ND		5.00	5.796	J	ug/L		116	69 - 120	21	30
Benzene	ND		5.00	5.996		ug/L		120	80 - 120	12	30
Bromodichloromethane	ND		5.00	5.624		ug/L		112	80 - 123	12	30
Bromoform	ND		5.00	5.274		ug/L		105	75 - 126	10	30
Bromomethane	ND	F1	5.00	6.606	F1	ug/L		132	63 - 120	2	30
Carbon disulfide	ND		5.00	6.023	J	ug/L		120	67 - 130	25	30
Carbon tetrachloride	ND		5.00	6.170		ug/L		123	64 - 141	13	30
Chloroethane	1.53	F1	5.00	7.915	F1	ug/L		128	63 - 120	3	30
Chloroform	ND		5.00	5.788		ug/L		116	80 - 120	12	30
Chloromethane	ND		5.00	5.374		ug/L		107	80 - 120	0	30
Chloroprene	ND		5.00	5.519	J	ug/L		110	77 - 128	13	30
Dibromochloromethane	ND		5.00	5.311		ug/L		106	80 - 123	13	30
Dibromomethane	ND		5.00	5.538		ug/L		111	80 - 122	13	30
Dichlorodifluoromethane	ND		5.00	5.462		ug/L		109	43 - 123	4	30
Diethyl ether	21.8		4.97	25.69	E 4	ug/L		78	54 - 127	4	30
Ethyl methacrylate	ND		5.00	4.374	J	ug/L		87	76 - 120	14	30
Ethylbenzene	ND		5.00	5.274		ug/L		105	80 - 120	11	30
Hexachlorobutadiene	ND		5.00	5.519		ug/L		110	72 - 132	10	30
Isobutyl alcohol	ND		125	145.5	J	ug/L		116	57 - 137	7	30
m&p-Xylene	ND		10.0	10.85		ug/L		108	80 - 120	12	30
Methacrylonitrile	ND	cn	37.5	47.84	J	ug/L		127	60 - 145	8	30
Methyl iodide	ND		5.00	5.476	J	ug/L		109	77 - 120	10	30
Methyl methacrylate	ND		5.00	5.606	J	ug/L		112	55 - 139	11	30
Methylene Chloride	ND	F1	5.00	6.056	F1	ug/L		121	80 - 120	19	30
Naphthalene	ND		5.00	4.388		ug/L		88	64 - 135	7	30
o-Xylene	ND		5.00	5.189		ug/L		104	80 - 120	10	30
Pentachloroethane	ND		5.00	5.305	J	ug/L		106	80 - 120	3	30
Propionitrile	ND	cn	37.5	48.01	J	ug/L		128	63 - 145	12	30
Styrene	ND		5.00	5.381		ug/L		108	80 - 120	11	30
Tetrachloroethene	ND		5.00	5.589		ug/L		112	80 - 120	11	30
Tetrahydrofuran	ND	cn	25.0	32.84		ug/L		131	67 - 137	11	30
Toluene	ND		5.00	5.373		ug/L		107	80 - 120	13	30
trans-1,2-Dichloroethene	ND		5.00	5.997		ug/L		120	80 - 122	17	30
trans-1,3-Dichloropropene	ND		5.00	4.859		ug/L		97	61 - 129	13	30
Trichloroethene	ND		5.00	5.765		ug/L		115	80 - 120	12	30
Trichlorofluoromethane	ND	F1	5.00	6.515		ug/L		130	53 - 136	7	30
Vinyl chloride	ND		5.00	5.720		ug/L		114	60 - 125	2	30
Xylenes, Total	ND		15.0	16.04		ug/L		107	80 - 120	11	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-234898-4 MSD
Matrix: Water
Analysis Batch: 681517

Client Sample ID: 16WC1AMSD
Prep Type: Total/NA

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*108*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: 410-234898-4 MSD
Matrix: Water
Analysis Batch: 681517

Client Sample ID: 16WC1AMSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetonitrile	ND		18.8	ND		ug/L		NC	51 - 160	NC	30
Vinyl acetate	ND		12.5	14.82		ug/L		118	64 - 145	4	30
Dimethyl ether	0.765		4.65	5.131		ug/L		94	70 - 130	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*
Dibromofluoromethane (Surr)	*109*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*93*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-681120/1-A
Matrix: Water
Analysis Batch: 681375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 681120

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		10.0	2.00	ug/L		08/05/25 16:09	08/06/25 11:47	1
1,3-Dinitrobenzene	ND		10.0	2.30	ug/L		08/05/25 16:09	08/06/25 11:47	1
bis (2-chloroisopropyl) ether	ND		10.0	0.600	ug/L		08/05/25 16:09	08/06/25 11:47	1
2,3,4,6-Tetrachlorophenol	ND		10.0	1.80	ug/L		08/05/25 16:09	08/06/25 11:47	1
2,4,5-Trichlorophenol	ND		10.0	2.00	ug/L		08/05/25 16:09	08/06/25 11:47	1
2,4,6-Trichlorophenol	ND		10.0	1.80	ug/L		08/05/25 16:09	08/06/25 11:47	1
2,4-Dichlorophenol	ND		10.0	1.59	ug/L		08/05/25 16:09	08/06/25 11:47	1
2,4-Dinitrotoluene	ND		10.0	2.10	ug/L		08/05/25 16:09	08/06/25 11:47	1
2,6-Dichlorophenol	ND		10.0	1.40	ug/L		08/05/25 16:09	08/06/25 11:47	1
2,6-Dinitrotoluene	ND		10.0	2.10	ug/L		08/05/25 16:09	08/06/25 11:47	1
2-Chloronaphthalene	ND		10.0	0.500	ug/L		08/05/25 16:09	08/06/25 11:47	1
2-Chlorophenol	ND		10.0	1.00	ug/L		08/05/25 16:09	08/06/25 11:47	1
2-Methylnaphthalene	ND		10.0	0.290	ug/L		08/05/25 16:09	08/06/25 11:47	1
o-Cresol	ND		10.0	0.960	ug/L		08/05/25 16:09	08/06/25 11:47	1
2-Nitroaniline	ND		10.0	1.00	ug/L		08/05/25 16:09	08/06/25 11:47	1
2-Nitrophenol	ND		10.0	1.27	ug/L		08/05/25 16:09	08/06/25 11:47	1
4-Bromophenyl-phenylether	ND		10.0	0.560	ug/L		08/05/25 16:09	08/06/25 11:47	1
4-Chloro-3-methylphenol	ND		10.0	1.00	ug/L		08/05/25 16:09	08/06/25 11:47	1
4-Chlorophenyl-phenyl ether	ND		10.0	0.600	ug/L		08/05/25 16:09	08/06/25 11:47	1
m & p-Cresol	ND		20.0	2.47	ug/L		08/05/25 16:09	08/06/25 11:47	1
5-Nitro-o-toluidine	ND		10.0	2.00	ug/L		08/05/25 16:09	08/06/25 11:47	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-681120/1-A
Matrix: Water
Analysis Batch: 681375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 681120

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		10.0	0.350	ug/L		08/05/25 16:09	08/06/25 11:47	1
Acenaphthylene	ND		10.0	0.480	ug/L		08/05/25 16:09	08/06/25 11:47	1
Anthracene	ND		10.0	0.520	ug/L		08/05/25 16:09	08/06/25 11:47	1
Benzo[a]anthracene	ND		10.0	0.450	ug/L		08/05/25 16:09	08/06/25 11:47	1
Benzo[a]pyrene	ND		10.0	1.50	ug/L		08/05/25 16:09	08/06/25 11:47	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		08/05/25 16:09	08/06/25 11:47	1
Benzo[g,h,i]perylene	ND		10.0	0.420	ug/L		08/05/25 16:09	08/06/25 11:47	1
Benzo[k]fluoranthene	ND		10.0	1.60	ug/L		08/05/25 16:09	08/06/25 11:47	1
Chrysene	ND		10.0	0.310	ug/L		08/05/25 16:09	08/06/25 11:47	1
Diallate	ND		10.0	3.00	ug/L		08/05/25 16:09	08/06/25 11:47	1
Dibenz(a,h)anthracene	ND		10.0	0.380	ug/L		08/05/25 16:09	08/06/25 11:47	1
Dibenzofuran	ND		10.0	0.600	ug/L		08/05/25 16:09	08/06/25 11:47	1
Diethyl phthalate	ND		10.0	2.00	ug/L		08/05/25 16:09	08/06/25 11:47	1
Dimethoate	ND		10.0	3.00	ug/L		08/05/25 16:09	08/06/25 11:47	1
Ethyl methanesulfonate	ND		10.0	1.10	ug/L		08/05/25 16:09	08/06/25 11:47	1
Fluoranthene	ND		10.0	0.420	ug/L		08/05/25 16:09	08/06/25 11:47	1
Fluorene	ND		10.0	0.380	ug/L		08/05/25 16:09	08/06/25 11:47	1
Hexachlorobenzene	ND		10.0	0.870	ug/L		08/05/25 16:09	08/06/25 11:47	1
Hexachloropropene	ND		10.0	2.00	ug/L		08/05/25 16:09	08/06/25 11:47	1
Indeno[1,2,3-cd]pyrene	ND		10.0	0.150	ug/L		08/05/25 16:09	08/06/25 11:47	1
Isodrin	ND		10.0	1.10	ug/L		08/05/25 16:09	08/06/25 11:47	1
Kepone	ND		50.0	25.0	ug/L		08/05/25 16:09	08/06/25 11:47	1
N-Nitrosodiethylamine	ND		10.0	3.00	ug/L		08/05/25 16:09	08/06/25 11:47	1
N-Nitrosodimethylamine	ND		10.0	2.00	ug/L		08/05/25 16:09	08/06/25 11:47	1
n-Nitrosodiphenylamine(as diphenylamine)	ND		10.0	0.580	ug/L		08/05/25 16:09	08/06/25 11:47	1
N-Nitrosomorpholine	ND		10.0	3.00	ug/L		08/05/25 16:09	08/06/25 11:47	1
N-Nitrosopiperidine	ND		10.0	1.10	ug/L		08/05/25 16:09	08/06/25 11:47	1
Nitrobenzene	ND		10.0	0.600	ug/L		08/05/25 16:09	08/06/25 11:47	1
o,o',o''-Triethylphosphorothioate	ND		10.0	2.60	ug/L		08/05/25 16:09	08/06/25 11:47	1
Pentachlorobenzene	ND		10.0	1.60	ug/L		08/05/25 16:09	08/06/25 11:47	1
Phenacetin	ND		10.0	1.40	ug/L		08/05/25 16:09	08/06/25 11:47	1
Pentachlorophenol	ND		10.0	3.00	ug/L		08/05/25 16:09	08/06/25 11:47	1
Phenanthrene	ND		10.0	0.520	ug/L		08/05/25 16:09	08/06/25 11:47	1
Phenol	ND		10.0	0.770	ug/L		08/05/25 16:09	08/06/25 11:47	1
Phorate	ND		10.0	2.50	ug/L		08/05/25 16:09	08/06/25 11:47	1
Pyrene	ND		10.0	0.410	ug/L		08/05/25 16:09	08/06/25 11:47	1
Safrole, Total	ND		10.0	2.20	ug/L		08/05/25 16:09	08/06/25 11:47	1
Sulfotepp	ND		10.0	2.40	ug/L		08/05/25 16:09	08/06/25 11:47	1
O,O-Diethyl O-2-pyrazinyl phosphorothioate	ND		10.0	2.40	ug/L		08/05/25 16:09	08/06/25 11:47	1
Bis(2-ethylhexyl) phthalate	ND		10.0	2.00	ug/L		08/05/25 16:09	08/06/25 11:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*13 - 134*	*08/05/25 16:09*	*08/06/25 11:47*	*1*
2-Fluorobiphenyl (Surr)	*82*		*45 - 120*	*08/05/25 16:09*	*08/06/25 11:47*	*1*
2-Fluorophenol (Surr)	*51*		*10 - 120*	*08/05/25 16:09*	*08/06/25 11:47*	*1*
Nitrobenzene-d5 (Surr)	*63*		*33 - 120*	*08/05/25 16:09*	*08/06/25 11:47*	*1*
p-Terphenyl-d14 (Surr)	*98*		*26 - 123*	*08/05/25 16:09*	*08/06/25 11:47*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-681120/1-A
Matrix: Water
Analysis Batch: 681375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 681120

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	36		10 - 120	08/05/25 16:09	08/06/25 11:47	1

Lab Sample ID: LCS 410-681120/2-A
Matrix: Water
Analysis Batch: 681375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 681120

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4,5-Tetrachlorobenzene	50.0	40.91		ug/L		82	37 - 124
1,3-Dinitrobenzene	50.0	44.66		ug/L		89	36 - 153
bis (2-chloroisopropyl) ether	50.0	34.81		ug/L		70	22 - 139
2,3,4,6-Tetrachlorophenol	50.0	44.99		ug/L		90	47 - 137
2,4,5-Trichlorophenol	50.0	47.99		ug/L		96	55 - 133
2,4,6-Trichlorophenol	50.0	50.06		ug/L		100	54 - 139
2,4-Dichlorophenol	50.0	45.45		ug/L		91	51 - 135
2,4-Dinitrotoluene	50.0	45.23		ug/L		90	54 - 143
2,6-Dichlorophenol	50.0	43.20		ug/L		86	43 - 146
2,6-Dinitrotoluene	50.0	43.91		ug/L		88	53 - 139
2-Chloronaphthalene	50.0	46.79		ug/L		94	48 - 124
2-Chlorophenol	50.0	46.53		ug/L		93	45 - 122
2-Methylnaphthalene	50.0	45.25		ug/L		90	49 - 124
o-Cresol	50.0	42.38		ug/L		85	42 - 120
2-Nitroaniline	50.0	48.86		ug/L		98	49 - 144
2-Nitrophenol	50.0	44.68		ug/L		89	42 - 145
4-Bromophenyl-phenylether	50.0	50.16		ug/L		100	49 - 135
4-Chloro-3-methylphenol	50.0	39.98		ug/L		80	49 - 130
4-Chlorophenyl-phenyl ether	50.0	44.52		ug/L		89	49 - 125
m & p-Cresol	50.0	39.12		ug/L		78	38 - 120
Acenaphthene	50.0	43.25		ug/L		87	52 - 125
Acenaphthylene	50.0	46.87		ug/L		94	51 - 131
Anthracene	50.0	49.21		ug/L		98	55 - 134
Benzo[a]anthracene	50.0	52.93		ug/L		106	54 - 134
Benzo[a]pyrene	50.0	45.08		ug/L		90	58 - 135
Benzo[b]fluoranthene	50.0	45.55		ug/L		91	51 - 132
Benzo[g,h,i]perylene	50.0	47.56		ug/L		95	50 - 138
Benzo[k]fluoranthene	50.0	43.40		ug/L		87	58 - 140
Chrysene	50.0	50.97		ug/L		102	56 - 136
Dibenz(a,h)anthracene	50.0	52.67		ug/L		105	47 - 141
Dibenzofuran	50.0	46.30		ug/L		93	50 - 128
Diethyl phthalate	50.0	43.44		ug/L		87	45 - 130
Fluoranthene	50.0	48.65		ug/L		97	56 - 137
Fluorene	50.0	48.98		ug/L		98	50 - 128
Hexachlorobenzene	50.0	49.67		ug/L		99	47 - 135
Indeno[1,2,3-cd]pyrene	50.0	50.73		ug/L		101	47 - 140
N-Nitrosodimethylamine	50.0	26.36		ug/L		53	21 - 120
n-Nitrosodiphenylamine(as diphenylamine)	42.5	46.19		ug/L		109	48 - 144
Nitrobenzene	50.0	37.23		ug/L		74	43 - 128
Pentachlorophenol	100	93.31		ug/L		93	45 - 149
Phenanthrene	50.0	47.25		ug/L		94	55 - 132

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-681120/2-A
Matrix: Water
Analysis Batch: 681375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 681120

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenol	50.0	24.83		ug/L		50	18 - 120
Pyrene	50.0	48.34		ug/L		97	58 - 131
Bis(2-ethylhexyl) phthalate	50.0	53.12		ug/L		106	46 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*82*		*13 - 134*
2-Fluorobiphenyl (Surr)	*82*		*45 - 120*
2-Fluorophenol (Surr)	*57*		*10 - 120*
Nitrobenzene-d5 (Surr)	*72*		*33 - 120*
p-Terphenyl-d14 (Surr)	*103*		*26 - 123*
Phenol-d5 (Surr)	*40*		*10 - 120*

Lab Sample ID: LCS 410-681120/4-A
Matrix: Water
Analysis Batch: 681375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 681120

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
5-Nitro-o-toluidine	50.0	34.53		ug/L		69	31 - 120
Diallate	50.0	30.11		ug/L		60	44 - 121
Dimethoate	50.0	26.31		ug/L		53	10 - 120
Ethyl methanesulfonate	50.0	34.90		ug/L		70	45 - 120
Hexachloropropene	50.0	25.15		ug/L		50	16 - 120
Isodrin	50.0	30.16		ug/L		60	51 - 120
Kepone	51.0	36.16	J	ug/L		71	70 - 130
N-Nitrosodiethylamine	50.0	31.67		ug/L		63	44 - 120
N-Nitrosomorpholine	50.0	27.32		ug/L		55	32 - 120
N-Nitrosopiperidine	50.0	35.67		ug/L		71	51 - 120
o,o',o"-Triethylphosphorothioate	50.0	34.23		ug/L		68	38 - 120
Pentachlorobenzene	50.0	34.81		ug/L		70	45 - 120
Phenacetin	50.0	33.66		ug/L		67	47 - 126
Phorate	50.0	29.38		ug/L		59	36 - 146
Safrole, Total	50.0	36.14		ug/L		72	49 - 120
Sulfotepp	50.0	27.91		ug/L		56	41 - 122
O,O-Diethyl O-2-pyrazinyl phosphorothioate	50.0	33.47		ug/L		67	43 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*76*		*13 - 134*
2-Fluorobiphenyl (Surr)	*71*		*45 - 120*
2-Fluorophenol (Surr)	*48*		*10 - 120*
Nitrobenzene-d5 (Surr)	*58*		*33 - 120*
p-Terphenyl-d14 (Surr)	*85*		*26 - 123*
Phenol-d5 (Surr)	*33*		*10 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 410-681120/3-A
Matrix: Water
Analysis Batch: 681375

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 681120

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene			50.0	36.97		ug/L		74	37 - 124	10	30
1,3-Dinitrobenzene			50.0	45.50		ug/L		91	36 - 153	2	30
bis (2-chloroisopropyl) ether			50.0	33.92		ug/L		68	22 - 139	3	30
2,3,4,6-Tetrachlorophenol			50.0	47.08		ug/L		94	47 - 137	5	30
2,4,5-Trichlorophenol			50.0	50.23		ug/L		100	55 - 133	5	30
2,4,6-Trichlorophenol			50.0	52.99		ug/L		106	54 - 139	6	30
2,4-Dichlorophenol			50.0	49.03		ug/L		98	51 - 135	8	30
2,4-Dinitrotoluene			50.0	44.57		ug/L		89	54 - 143	1	30
2,6-Dichlorophenol			50.0	49.19		ug/L		98	43 - 146	13	30
2,6-Dinitrotoluene			50.0	44.33		ug/L		89	53 - 139	1	30
2-Chloronaphthalene			50.0	42.52		ug/L		85	48 - 124	10	30
2-Chlorophenol			50.0	48.32		ug/L		97	45 - 122	4	30
2-Methylnaphthalene			50.0	46.60		ug/L		93	49 - 124	3	30
o-Cresol			50.0	46.37		ug/L		93	42 - 120	9	30
2-Nitroaniline			50.0	48.59		ug/L		97	49 - 144	1	30
2-Nitrophenol			50.0	49.07		ug/L		98	42 - 145	9	30
4-Bromophenyl-phenylether			50.0	48.59		ug/L		97	49 - 135	3	30
4-Chloro-3-methylphenol			50.0	46.17		ug/L		92	49 - 130	14	30
4-Chlorophenyl-phenyl ether			50.0	41.89		ug/L		84	49 - 125	6	30
m & p-Cresol			50.0	40.79		ug/L		82	38 - 120	4	30
Acenaphthene			50.0	40.42		ug/L		81	52 - 125	7	30
Acenaphthylene			50.0	44.74		ug/L		89	51 - 131	5	30
Anthracene			50.0	51.89		ug/L		104	55 - 134	5	30
Benzo[a]anthracene			50.0	53.63		ug/L		107	54 - 134	1	30
Benzo[a]pyrene			50.0	50.21		ug/L		100	58 - 135	11	30
Benzo[b]fluoranthene			50.0	48.80		ug/L		98	51 - 132	7	30
Benzo[g,h,i]perylene			50.0	52.25		ug/L		105	50 - 138	9	30
Benzo[k]fluoranthene			50.0	49.67		ug/L		99	58 - 140	13	30
Chrysene			50.0	54.54		ug/L		109	56 - 136	7	30
Dibenz(a,h)anthracene			50.0	57.77		ug/L		116	47 - 141	9	30
Dibenzofuran			50.0	45.42		ug/L		91	50 - 128	2	30
Diethyl phthalate			50.0	43.17		ug/L		86	45 - 130	1	30
Fluoranthene			50.0	51.58		ug/L		103	56 - 137	6	30
Fluorene			50.0	46.30		ug/L		93	50 - 128	6	30
Hexachlorobenzene			50.0	49.48		ug/L		99	47 - 135	0	30
Indeno[1,2,3-cd]pyrene			50.0	53.86		ug/L		108	47 - 140	6	30
N-Nitrosodimethylamine			50.0	29.37		ug/L		59	21 - 120	11	30
n-Nitrosodiphenylamine(as diphenylamine)			42.5	47.17		ug/L		111	48 - 144	2	30
Nitrobenzene			50.0	40.79		ug/L		82	43 - 128	9	30
Pentachlorophenol			100	102.9		ug/L		103	45 - 149	10	30
Phenanthrene			50.0	50.30		ug/L		101	55 - 132	6	30
Phenol			50.0	25.86		ug/L		52	18 - 120	4	30
Pyrene			50.0	49.33		ug/L		99	58 - 131	2	30
Bis(2-ethylhexyl) phthalate			50.0	51.76		ug/L		104	46 - 143	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*89*		*13 - 134*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 410-681120/3-A
Matrix: Water
Analysis Batch: 681375

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 681120

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*78*		*45 - 120*
2-Fluorophenol (Surr)	*58*		*10 - 120*
Nitrobenzene-d5 (Surr)	*76*		*33 - 120*
p-Terphenyl-d14 (Surr)	*106*		*26 - 123*
Phenol-d5 (Surr)	*41*		*10 - 120*

Lab Sample ID: LCSD 410-681120/5-A
Matrix: Water
Analysis Batch: 681375

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 681120

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
5-Nitro-o-toluidine			50.0	36.36		ug/L		73	31 - 120	5	30
Diallate			50.0	30.42		ug/L		61	44 - 121	1	30
Dimethoate			50.0	28.16		ug/L		56	10 - 120	7	30
Ethyl methanesulfonate			50.0	35.31		ug/L		71	45 - 120	1	30
Hexachloropropene			50.0	20.33		ug/L		41	16 - 120	21	30
Isodrin			50.0	33.48		ug/L		67	51 - 120	10	30
Kepone			51.0	34.60	J *-	ug/L		68	70 - 130	4	30
N-Nitrosodiethylamine			50.0	32.81		ug/L		66	44 - 120	4	30
N-Nitrosomorpholine			50.0	26.99		ug/L		54	32 - 120	1	30
N-Nitrosopiperidine			50.0	32.86		ug/L		66	51 - 120	8	30
o,o',o''-Triethylphosphorothioate			50.0	34.21		ug/L		68	38 - 120	0	30
Pentachlorobenzene			50.0	31.36		ug/L		63	45 - 120	10	30
Phenacetin			50.0	36.19		ug/L		72	47 - 126	7	30
Phorate			50.0	30.13		ug/L		60	36 - 146	3	30
Safrole, Total			50.0	31.12		ug/L		62	49 - 120	15	30
Sulfotepp			50.0	30.27		ug/L		61	41 - 122	8	30
O,O-Diethyl O-2-pyrazinyl phosphorothioate			50.0	39.43		ug/L		79	43 - 126	16	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*74*		*13 - 134*
2-Fluorobiphenyl (Surr)	*71*		*45 - 120*
2-Fluorophenol (Surr)	*48*		*10 - 120*
Nitrobenzene-d5 (Surr)	*55*		*33 - 120*
p-Terphenyl-d14 (Surr)	*83*		*26 - 123*
Phenol-d5 (Surr)	*30*		*10 - 120*

Lab Sample ID: MB 410-681385/1-A
Matrix: Water
Analysis Batch: 682061

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 681385

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		10.0	2.00	ug/L		08/06/25 07:35	08/07/25 10:30	1
1,3-Dinitrobenzene	ND		10.0	2.30	ug/L		08/06/25 07:35	08/07/25 10:30	1
bis (2-chloroisopropyl) ether	ND		10.0	0.600	ug/L		08/06/25 07:35	08/07/25 10:30	1
2,3,4,6-Tetrachlorophenol	ND		10.0	1.80	ug/L		08/06/25 07:35	08/07/25 10:30	1
2,4,5-Trichlorophenol	ND		10.0	2.00	ug/L		08/06/25 07:35	08/07/25 10:30	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-681385/1-A
Matrix: Water
Analysis Batch: 682061

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 681385

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		10.0	1.80	ug/L		08/06/25 07:35	08/07/25 10:30	1
2,4-Dichlorophenol	ND		10.0	1.59	ug/L		08/06/25 07:35	08/07/25 10:30	1
2,4-Dinitrotoluene	ND		10.0	2.10	ug/L		08/06/25 07:35	08/07/25 10:30	1
2,6-Dichlorophenol	ND		10.0	1.40	ug/L		08/06/25 07:35	08/07/25 10:30	1
2,6-Dinitrotoluene	ND		10.0	2.10	ug/L		08/06/25 07:35	08/07/25 10:30	1
2-Chloronaphthalene	ND		10.0	0.500	ug/L		08/06/25 07:35	08/07/25 10:30	1
2-Chlorophenol	ND		10.0	1.00	ug/L		08/06/25 07:35	08/07/25 10:30	1
2-Methylnaphthalene	ND		10.0	0.290	ug/L		08/06/25 07:35	08/07/25 10:30	1
o-Cresol	ND		10.0	0.960	ug/L		08/06/25 07:35	08/07/25 10:30	1
2-Nitroaniline	ND		10.0	1.00	ug/L		08/06/25 07:35	08/07/25 10:30	1
2-Nitrophenol	ND		10.0	1.27	ug/L		08/06/25 07:35	08/07/25 10:30	1
4-Bromophenyl-phenylether	ND		10.0	0.560	ug/L		08/06/25 07:35	08/07/25 10:30	1
4-Chloro-3-methylphenol	ND		10.0	1.00	ug/L		08/06/25 07:35	08/07/25 10:30	1
4-Chlorophenyl-phenyl ether	ND		10.0	0.600	ug/L		08/06/25 07:35	08/07/25 10:30	1
m & p-Cresol	ND		20.0	2.47	ug/L		08/06/25 07:35	08/07/25 10:30	1
5-Nitro-o-toluidine	ND		10.0	2.00	ug/L		08/06/25 07:35	08/07/25 10:30	1
Acenaphthene	ND		10.0	0.350	ug/L		08/06/25 07:35	08/07/25 10:30	1
Acenaphthylene	ND		10.0	0.480	ug/L		08/06/25 07:35	08/07/25 10:30	1
Anthracene	ND		10.0	0.520	ug/L		08/06/25 07:35	08/07/25 10:30	1
Benzo[a]anthracene	ND		10.0	0.450	ug/L		08/06/25 07:35	08/07/25 10:30	1
Benzo[a]pyrene	ND		10.0	1.50	ug/L		08/06/25 07:35	08/07/25 10:30	1
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		08/06/25 07:35	08/07/25 10:30	1
Benzo[g,h,i]perylene	ND		10.0	0.420	ug/L		08/06/25 07:35	08/07/25 10:30	1
Benzo[k]fluoranthene	ND		10.0	1.60	ug/L		08/06/25 07:35	08/07/25 10:30	1
Chrysene	ND		10.0	0.310	ug/L		08/06/25 07:35	08/07/25 10:30	1
Diallate	ND		10.0	3.00	ug/L		08/06/25 07:35	08/07/25 10:30	1
Dibenz(a,h)anthracene	ND		10.0	0.380	ug/L		08/06/25 07:35	08/07/25 10:30	1
Dibenzofuran	ND		10.0	0.600	ug/L		08/06/25 07:35	08/07/25 10:30	1
Diethyl phthalate	ND		10.0	2.00	ug/L		08/06/25 07:35	08/07/25 10:30	1
Dimethoate	ND		10.0	3.00	ug/L		08/06/25 07:35	08/07/25 10:30	1
Ethyl methanesulfonate	ND		10.0	1.10	ug/L		08/06/25 07:35	08/07/25 10:30	1
Fluoranthene	ND		10.0	0.420	ug/L		08/06/25 07:35	08/07/25 10:30	1
Fluorene	ND		10.0	0.380	ug/L		08/06/25 07:35	08/07/25 10:30	1
Hexachlorobenzene	ND		10.0	0.870	ug/L		08/06/25 07:35	08/07/25 10:30	1
Hexachloropropene	ND		10.0	2.00	ug/L		08/06/25 07:35	08/07/25 10:30	1
Indeno[1,2,3-cd]pyrene	ND		10.0	0.150	ug/L		08/06/25 07:35	08/07/25 10:30	1
Isodrin	ND		10.0	1.10	ug/L		08/06/25 07:35	08/07/25 10:30	1
Kepone	ND		50.0	25.0	ug/L		08/06/25 07:35	08/07/25 10:30	1
N-Nitrosodiethylamine	ND		10.0	3.00	ug/L		08/06/25 07:35	08/07/25 10:30	1
N-Nitrosodimethylamine	ND		10.0	2.00	ug/L		08/06/25 07:35	08/07/25 10:30	1
n-Nitrosodiphenylamine(as diphenylamine)	ND		10.0	0.580	ug/L		08/06/25 07:35	08/07/25 10:30	1
N-Nitrosomorpholine	ND		10.0	3.00	ug/L		08/06/25 07:35	08/07/25 10:30	1
N-Nitrosopiperidine	ND		10.0	1.10	ug/L		08/06/25 07:35	08/07/25 10:30	1
Nitrobenzene	ND		10.0	0.600	ug/L		08/06/25 07:35	08/07/25 10:30	1
o,o',o''-Triethylphosphorothioate	ND		10.0	2.60	ug/L		08/06/25 07:35	08/07/25 10:30	1
Pentachlorobenzene	ND		10.0	1.60	ug/L		08/06/25 07:35	08/07/25 10:30	1
Phenacetin	ND		10.0	1.40	ug/L		08/06/25 07:35	08/07/25 10:30	1
Pentachlorophenol	ND		10.0	3.00	ug/L		08/06/25 07:35	08/07/25 10:30	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-681385/1-A
Matrix: Water
Analysis Batch: 682061

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 681385

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		10.0	0.520	ug/L		08/06/25 07:35	08/07/25 10:30	1
Phenol	ND		10.0	0.770	ug/L		08/06/25 07:35	08/07/25 10:30	1
Phorate	ND		10.0	2.50	ug/L		08/06/25 07:35	08/07/25 10:30	1
Pyrene	ND		10.0	0.410	ug/L		08/06/25 07:35	08/07/25 10:30	1
Safrole, Total	ND		10.0	2.20	ug/L		08/06/25 07:35	08/07/25 10:30	1
Sulfotepp	ND		10.0	2.40	ug/L		08/06/25 07:35	08/07/25 10:30	1
O,O-Diethyl O-2-pyrazinyl phosphorothioate	ND		10.0	2.40	ug/L		08/06/25 07:35	08/07/25 10:30	1
Bis(2-ethylhexyl) phthalate	ND		10.0	2.00	ug/L		08/06/25 07:35	08/07/25 10:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*13 - 134*	*08/06/25 07:35*	*08/07/25 10:30*	*1*
2-Fluorobiphenyl (Surr)	*75*		*45 - 120*	*08/06/25 07:35*	*08/07/25 10:30*	*1*
2-Fluorophenol (Surr)	*66*		*10 - 120*	*08/06/25 07:35*	*08/07/25 10:30*	*1*
Nitrobenzene-d5 (Surr)	*75*		*33 - 120*	*08/06/25 07:35*	*08/07/25 10:30*	*1*
p-Terphenyl-d14 (Surr)	*102*		*26 - 123*	*08/06/25 07:35*	*08/07/25 10:30*	*1*
Phenol-d5 (Surr)	*45*		*10 - 120*	*08/06/25 07:35*	*08/07/25 10:30*	*1*

Lab Sample ID: LCS 410-681385/2-A
Matrix: Water
Analysis Batch: 682061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 681385

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4,5-Tetrachlorobenzene	50.0	39.91		ug/L		80	37 - 124
1,3-Dinitrobenzene	50.0	42.73		ug/L		85	36 - 153
bis (2-chloroisopropyl) ether	50.0	37.55		ug/L		75	22 - 139
2,3,4,6-Tetrachlorophenol	50.0	44.85		ug/L		90	47 - 137
2,4,5-Trichlorophenol	50.0	55.25		ug/L		110	55 - 133
2,4,6-Trichlorophenol	50.0	50.89		ug/L		102	54 - 139
2,4-Dichlorophenol	50.0	49.41		ug/L		99	51 - 135
2,4-Dinitrotoluene	50.0	46.27		ug/L		93	54 - 143
2,6-Dichlorophenol	50.0	49.58		ug/L		99	43 - 146
2,6-Dinitrotoluene	50.0	46.72		ug/L		93	53 - 139
2-Chloronaphthalene	50.0	42.14		ug/L		84	48 - 124
2-Chlorophenol	50.0	47.25		ug/L		94	45 - 122
2-Methylnaphthalene	50.0	46.58		ug/L		93	49 - 124
o-Cresol	50.0	47.08		ug/L		94	42 - 120
2-Nitroaniline	50.0	49.27		ug/L		99	49 - 144
2-Nitrophenol	50.0	46.46		ug/L		93	42 - 145
4-Bromophenyl-phenylether	50.0	48.00		ug/L		96	49 - 135
4-Chloro-3-methylphenol	50.0	43.92		ug/L		88	49 - 130
4-Chlorophenyl-phenyl ether	50.0	43.25		ug/L		87	49 - 125
m & p-Cresol	50.0	44.12		ug/L		88	38 - 120
Acenaphthene	50.0	40.44		ug/L		81	52 - 125
Acenaphthylene	50.0	44.52		ug/L		89	51 - 131
Anthracene	50.0	47.51		ug/L		95	55 - 134
Benzo[a]anthracene	50.0	51.33		ug/L		103	54 - 134
Benzo[a]pyrene	50.0	44.26		ug/L		89	58 - 135
Benzo[b]fluoranthene	50.0	45.35		ug/L		91	51 - 132

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-681385/2-A
Matrix: Water
Analysis Batch: 682061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 681385

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[g,h,i]perylene	50.0	46.84		ug/L		94	50 - 138
Benzo[k]fluoranthene	50.0	43.45		ug/L		87	58 - 140
Chrysene	50.0	50.82		ug/L		102	56 - 136
Dibenz(a,h)anthracene	50.0	50.14		ug/L		100	47 - 141
Dibenzofuran	50.0	44.22		ug/L		88	50 - 128
Diethyl phthalate	50.0	42.74		ug/L		85	45 - 130
Fluoranthene	50.0	47.04		ug/L		94	56 - 137
Fluorene	50.0	45.88		ug/L		92	50 - 128
Hexachlorobenzene	50.0	45.44		ug/L		91	47 - 135
Indeno[1,2,3-cd]pyrene	50.0	49.44		ug/L		99	47 - 140
N-Nitrosodimethylamine	50.0	33.87		ug/L		68	21 - 120
n-Nitrosodiphenylamine(as diphenylamine)	42.5	45.31		ug/L		107	48 - 144
Nitrobenzene	50.0	41.97		ug/L		84	43 - 128
Pentachlorophenol	100	84.45		ug/L		84	45 - 149
Phenanthrene	50.0	45.51		ug/L		91	55 - 132
Phenol	50.0	30.49		ug/L		61	18 - 120
Pyrene	50.0	48.34		ug/L		97	58 - 131
Bis(2-ethylhexyl) phthalate	50.0	51.90		ug/L		104	46 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*82*		*13 - 134*
2-Fluorobiphenyl (Surr)	*73*		*45 - 120*
2-Fluorophenol (Surr)	*65*		*10 - 120*
Nitrobenzene-d5 (Surr)	*72*		*33 - 120*
p-Terphenyl-d14 (Surr)	*96*		*26 - 123*
Phenol-d5 (Surr)	*49*		*10 - 120*

Lab Sample ID: LCS 410-681385/3-A
Matrix: Water
Analysis Batch: 682061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 681385

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
5-Nitro-o-toluidine	50.0	39.73		ug/L		79	31 - 120
Diallate	50.0	38.46		ug/L		77	44 - 121
Dimethoate	50.0	19.14		ug/L		38	10 - 120
Ethyl methanesulfonate	50.0	43.01		ug/L		86	45 - 120
Hexachloropropene	50.0	20.83		ug/L		42	16 - 120
Isodrin	50.0	39.23		ug/L		78	51 - 120
Kepone	51.0	43.12	J	ug/L		84	70 - 130
N-Nitrosodiethylamine	50.0	36.55		ug/L		73	44 - 120
N-Nitrosomorpholine	50.0	35.52		ug/L		71	32 - 120
N-Nitrosopiperidine	50.0	41.77		ug/L		84	51 - 120
o,o',o''-Triethylphosphorothioate	50.0	40.72		ug/L		81	38 - 120
Pentachlorobenzene	50.0	35.31		ug/L		71	45 - 120
Phenacetin	50.0	42.47		ug/L		85	47 - 126
Phorate	50.0	32.41		ug/L		65	36 - 146
Safrole, Total	50.0	40.78		ug/L		82	49 - 120
Sulfotepp	50.0	32.11		ug/L		64	41 - 122

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-681385/3-A
Matrix: Water
Analysis Batch: 682061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 681385

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
O,O-Diethyl O-2-pyrazinyl phosphorothioate			50.0	44.94		ug/L		90	43 - 126		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*82*		*13 - 134*
2-Fluorobiphenyl (Surr)	*81*		*45 - 120*
2-Fluorophenol (Surr)	*65*		*10 - 120*
Nitrobenzene-d5 (Surr)	*74*		*33 - 120*
p-Terphenyl-d14 (Surr)	*104*		*26 - 123*
Phenol-d5 (Surr)	*46*		*10 - 120*

Lab Sample ID: LCSD 410-681385/4-A
Matrix: Water
Analysis Batch: 682061

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 681385

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
5-Nitro-o-toluidine			50.0	37.20		ug/L		74	31 - 120	7	30
Diallate			50.0	35.72		ug/L		71	44 - 121	7	30
Dimethoate			50.0	7.221	J *1	ug/L		14	10 - 120	90	30
Ethyl methanesulfonate			50.0	44.34		ug/L		89	45 - 120	3	30
Hexachloropropene			50.0	21.62		ug/L		43	16 - 120	4	30
Isodrin			50.0	37.66		ug/L		75	51 - 120	4	30
Kepone			51.0	36.41	J	ug/L		71	70 - 130	17	30
N-Nitrosodiethylamine			50.0	38.35		ug/L		77	44 - 120	5	30
N-Nitrosomorpholine			50.0	35.53		ug/L		71	32 - 120	0	30
N-Nitrosopiperidine			50.0	40.17		ug/L		80	51 - 120	4	30
o,o',o''-Triethylphosphorothioate			50.0	41.75		ug/L		84	38 - 120	3	30
Pentachlorobenzene			50.0	38.75		ug/L		78	45 - 120	9	30
Phenacetin			50.0	41.11		ug/L		82	47 - 126	3	30
Phorate			50.0	26.31		ug/L		53	36 - 146	21	30
Safrole, Total			50.0	41.77		ug/L		84	49 - 120	2	30
Sulfotepp			50.0	28.86		ug/L		58	41 - 122	11	30
O,O-Diethyl O-2-pyrazinyl phosphorothioate			50.0	35.08		ug/L		70	43 - 126	25	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*13 - 134*
2-Fluorobiphenyl (Surr)	*76*		*45 - 120*
2-Fluorophenol (Surr)	*70*		*10 - 120*
Nitrobenzene-d5 (Surr)	*71*		*33 - 120*
p-Terphenyl-d14 (Surr)	*100*		*26 - 123*
Phenol-d5 (Surr)	*52*		*10 - 120*

Lab Sample ID: 410-234898-4 MS
Matrix: Water
Analysis Batch: 682061

Client Sample ID: 16WC1AMS
Prep Type: Total/NA
Prep Batch: 681385

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2,4,5-Tetrachlorobenzene	ND	cn	50.0	38.95	cn	ug/L		78	37 - 124		

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 410-234898-4 MS
Matrix: Water
Analysis Batch: 682061

Client Sample ID: 16WC1AMS
Prep Type: Total/NA
Prep Batch: 681385

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,3-Dinitrobenzene	ND	cn	50.0	44.06	cn	ug/L		88	36 - 153
bis (2-chloroisopropyl) ether	ND	cn	50.0	34.35	cn	ug/L		69	22 - 139
2,3,4,6-Tetrachlorophenol	ND	F1 cn	50.0	15.25	F1 cn	ug/L		30	47 - 137
2,4,5-Trichlorophenol	ND	F1 cn	50.0	24.78	F1 cn	ug/L		50	55 - 133
2,4,6-Trichlorophenol	ND	F1 cn	50.0	18.21	F1 cn	ug/L		36	54 - 139
2,4-Dichlorophenol	ND	F2 F1 cn	50.0	18.87	F1 cn	ug/L		38	51 - 135
2,4-Dinitrotoluene	ND	cn	50.0	45.75	cn	ug/L		91	54 - 143
2,6-Dichlorophenol	ND	F1 cn	50.0	20.10	F1 cn	ug/L		40	43 - 146
2,6-Dinitrotoluene	ND	cn	50.0	44.99	cn	ug/L		90	53 - 139
2-Chloronaphthalene	ND	cn	50.0	45.95	cn	ug/L		92	48 - 124
2-Chlorophenol	ND	F2 F1 cn	50.0	18.27	F1 cn	ug/L		37	45 - 122
2-Methylnaphthalene	ND	cn	50.0	45.18	cn	ug/L		90	49 - 124
o-Cresol	ND	F2 F1 cn	50.0	19.32	F1 cn	ug/L		39	42 - 120
2-Nitroaniline	ND	cn	50.0	47.19	cn	ug/L		94	49 - 144
2-Nitrophenol	ND	cn	50.0	35.00	cn	ug/L		70	42 - 145
4-Bromophenyl-phenylether	ND	cn	50.0	48.36	cn	ug/L		97	49 - 135
4-Chloro-3-methylphenol	ND	F2 F1 cn	50.0	18.37	F1 cn	ug/L		37	49 - 130
4-Chlorophenyl-phenyl ether	ND	cn	50.0	44.18	cn	ug/L		88	49 - 125
m & p-Cresol	ND	F2 F1 cn	50.0	13.51	J F1 cn	ug/L		27	38 - 120
Acenaphthene	ND	cn	50.0	42.08	cn	ug/L		84	52 - 125
Acenaphthylene	ND	cn	50.0	45.23	cn	ug/L		90	51 - 131
Anthracene	ND	cn	50.0	46.78	cn	ug/L		93	55 - 134
Benzo[a]anthracene	ND	cn	50.0	48.90	cn	ug/L		98	54 - 134
Benzo[a]pyrene	ND	cn	50.0	29.69	cn	ug/L		59	58 - 135
Benzo[b]fluoranthene	ND	cn	50.0	46.14	cn	ug/L		92	51 - 132
Benzo[g,h,i]perylene	ND	cn	50.0	38.20	cn	ug/L		76	50 - 138
Benzo[k]fluoranthene	ND	cn	50.0	49.61	cn	ug/L		99	58 - 140
Chrysene	ND	cn	50.0	51.32	cn	ug/L		103	56 - 136
Dibenz(a,h)anthracene	ND	cn	50.0	54.96	cn	ug/L		110	47 - 141
Dibenzofuran	ND	cn	50.0	44.28	cn	ug/L		88	50 - 128
Diethyl phthalate	ND	cn	50.0	45.63	cn	ug/L		91	45 - 130
Fluoranthene	ND	cn	50.0	49.68	cn	ug/L		99	56 - 137
Fluorene	ND	cn	50.0	47.38	cn	ug/L		95	50 - 128
Hexachlorobenzene	ND	cn	50.0	46.43	cn	ug/L		93	47 - 135
Indeno[1,2,3-cd]pyrene	ND	cn	50.0	51.31	cn	ug/L		103	47 - 140
N-Nitrosodimethylamine	ND	cn	50.0	25.27	cn	ug/L		50	21 - 120
n-Nitrosodiphenylamine(as diphenylamine)	ND	cn	42.5	46.35	cn	ug/L		109	48 - 144
Nitrobenzene	ND	cn	50.0	41.64	cn	ug/L		83	43 - 128
Pentachlorophenol	ND	F1 cn	100	28.35	F1 cn	ug/L		28	45 - 149
Phenanthrene	ND	cn	50.0	45.89	cn	ug/L		92	55 - 132
Phenol	ND	F2 F1 cn	50.0	7.778	J F1 cn	ug/L		16	18 - 120
Pyrene	ND	cn	50.0	45.08	cn	ug/L		90	58 - 131
Bis(2-ethylhexyl) phthalate	ND	cn	50.0	51.85	cn	ug/L		104	46 - 143

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*14*	*cn*	*13 - 134*
2-Fluorobiphenyl (Surr)	*77*	*cn*	*45 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 410-234898-4 MS
Matrix: Water
Analysis Batch: 682061

Client Sample ID: 16WC1AMS
Prep Type: Total/NA
Prep Batch: 681385

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*13*	*cn*	*10 - 120*
Nitrobenzene-d5 (Surr)	*69*	*cn*	*33 - 120*
p-Terphenyl-d14 (Surr)	*95*	*cn*	*26 - 123*
Phenol-d5 (Surr)	*12*	*cn*	*10 - 120*

Lab Sample ID: 410-234898-4 MSD
Matrix: Water
Analysis Batch: 682061

Client Sample ID: 16WC1AMSD
Prep Type: Total/NA
Prep Batch: 681385

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene	ND	cn	50.2	41.62	cn	ug/L		83	37 - 124	7	30
1,3-Dinitrobenzene	ND	cn	50.2	41.57	cn	ug/L		83	36 - 153	6	30
bis (2-chloroisopropyl) ether	ND	cn	50.2	34.89	cn	ug/L		70	22 - 139	2	30
2,3,4,6-Tetrachlorophenol	ND	F1 cn	50.2	14.01	F1 cn	ug/L		28	47 - 137	8	30
2,4,5-Trichlorophenol	ND	F1 cn	50.2	19.25	F1 cn	ug/L		38	55 - 133	25	30
2,4,6-Trichlorophenol	ND	F1 cn	50.2	13.94	F1 cn	ug/L		28	54 - 139	27	30
2,4-Dichlorophenol	ND	F2 F1 cn	50.2	13.38	F2 F1 cn	ug/L		27	51 - 135	34	30
2,4-Dinitrotoluene	ND	cn	50.2	46.20	cn	ug/L		92	54 - 143	1	30
2,6-Dichlorophenol	ND	F1 cn	50.2	15.57	F1 cn	ug/L		31	43 - 146	25	30
2,6-Dinitrotoluene	ND	cn	50.2	46.38	cn	ug/L		92	53 - 139	3	30
2-Chloronaphthalene	ND	cn	50.2	45.13	cn	ug/L		90	48 - 124	2	30
2-Chlorophenol	ND	F2 F1 cn	50.2	11.59	F2 F1 cn	ug/L		23	45 - 122	45	30
2-Methylnaphthalene	ND	cn	50.2	46.77	cn	ug/L		93	49 - 124	3	30
o-Cresol	ND	F2 F1 cn	50.2	12.91	F2 F1 cn	ug/L		26	42 - 120	40	30
2-Nitroaniline	ND	cn	50.2	51.68	cn	ug/L		103	49 - 144	9	30
2-Nitrophenol	ND	cn	50.2	34.12	cn	ug/L		68	42 - 145	3	30
4-Bromophenyl-phenylether	ND	cn	50.2	45.93	cn	ug/L		92	49 - 135	5	30
4-Chloro-3-methylphenol	ND	F2 F1 cn	50.2	11.22	F2 F1 cn	ug/L		22	49 - 130	48	30
4-Chlorophenyl-phenyl ether	ND	cn	50.2	45.32	cn	ug/L		90	49 - 125	3	30
m & p-Cresol	ND	F2 F1 cn	50.2	7.903	J F2 F1 cn	ug/L		16	38 - 120	52	30
Acenaphthene	ND	cn	50.2	42.11	cn	ug/L		84	52 - 125	0	30
Acenaphthylene	ND	cn	50.2	47.24	cn	ug/L		94	51 - 131	4	30
Anthracene	ND	cn	50.2	45.59	cn	ug/L		91	55 - 134	3	30
Benzo[a]anthracene	ND	cn	50.2	51.86	cn	ug/L		103	54 - 134	6	30
Benzo[a]pyrene	ND	cn	50.2	31.55	cn	ug/L		63	58 - 135	6	30
Benzo[b]fluoranthene	ND	cn	50.2	46.76	cn	ug/L		93	51 - 132	1	30
Benzo[g,h,i]perylene	ND	cn	50.2	40.00	cn	ug/L		80	50 - 138	5	30
Benzo[k]fluoranthene	ND	cn	50.2	48.21	cn	ug/L		96	58 - 140	3	30
Chrysene	ND	cn	50.2	55.73	cn	ug/L		111	56 - 136	8	30
Dibenz(a,h)anthracene	ND	cn	50.2	56.15	cn	ug/L		112	47 - 141	2	30
Dibenzofuran	ND	cn	50.2	45.27	cn	ug/L		90	50 - 128	2	30
Diethyl phthalate	ND	cn	50.2	43.71	cn	ug/L		87	45 - 130	4	30
Fluoranthene	ND	cn	50.2	48.04	cn	ug/L		96	56 - 137	3	30
Fluorene	ND	cn	50.2	47.78	cn	ug/L		95	50 - 128	1	30
Hexachlorobenzene	ND	cn	50.2	44.13	cn	ug/L		88	47 - 135	5	30
Indeno[1,2,3-cd]pyrene	ND	cn	50.2	49.58	cn	ug/L		99	47 - 140	3	30
N-Nitrosodimethylamine	ND	cn	50.2	27.24	cn	ug/L		54	21 - 120	7	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 410-234898-4 MSD
Matrix: Water
Analysis Batch: 682061

Client Sample ID: 16WC1AMSD
Prep Type: Total/NA
Prep Batch: 681385

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
n-Nitrosodiphenylamine(as diphenylamine)	ND	cn	42.6	44.04	cn	ug/L		103	48 - 144	5	30
Nitrobenzene	ND	cn	50.2	40.53	cn	ug/L		81	43 - 128	3	30
Pentachlorophenol	ND	F1 cn	100	29.53	F1 cn	ug/L		29	45 - 149	4	30
Phenanthrene	ND	cn	50.2	45.60	cn	ug/L		91	55 - 132	1	30
Phenol	ND	F2 F1 cn	50.2	4.416	J F2 F1 cn	ug/L		9	18 - 120	55	30
Pyrene	ND	cn	50.2	47.54	cn	ug/L		95	58 - 131	5	30
Bis(2-ethylhexyl) phthalate	ND	cn	50.2	54.58	cn	ug/L		109	46 - 143	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*12*	*S1- cn*	*13 - 134*
2-Fluorobiphenyl (Surr)	*75*	*cn*	*45 - 120*
2-Fluorophenol (Surr)	*7*	*S1- cn*	*10 - 120*
Nitrobenzene-d5 (Surr)	*69*	*cn*	*33 - 120*
p-Terphenyl-d14 (Surr)	*98*	*cn*	*26 - 123*
Phenol-d5 (Surr)	*6*	*S1- cn*	*10 - 120*

Lab Sample ID: MB 410-683371/1-A
Matrix: Water
Analysis Batch: 683977

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 683371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		10.0	2.00	ug/L		08/10/25 16:20	08/11/25 22:21	1
1,3-Dinitrobenzene	ND		10.0	2.30	ug/L		08/10/25 16:20	08/11/25 22:21	1
bis (2-chloroisopropyl) ether	ND		10.0	0.600	ug/L		08/10/25 16:20	08/11/25 22:21	1
2,3,4,6-Tetrachlorophenol	ND		10.0	1.80	ug/L		08/10/25 16:20	08/11/25 22:21	1
2,4,5-Trichlorophenol	ND		10.0	2.00	ug/L		08/10/25 16:20	08/11/25 22:21	1
2,4,6-Trichlorophenol	ND		10.0	1.80	ug/L		08/10/25 16:20	08/11/25 22:21	1
2,4-Dichlorophenol	ND		10.0	1.59	ug/L		08/10/25 16:20	08/11/25 22:21	1
2,4-Dinitrotoluene	ND		10.0	2.10	ug/L		08/10/25 16:20	08/11/25 22:21	1
2,6-Dichlorophenol	ND		10.0	1.40	ug/L		08/10/25 16:20	08/11/25 22:21	1
2,6-Dinitrotoluene	ND		10.0	2.10	ug/L		08/10/25 16:20	08/11/25 22:21	1
2-Chloronaphthalene	ND		10.0	0.500	ug/L		08/10/25 16:20	08/11/25 22:21	1
2-Chlorophenol	ND		10.0	1.00	ug/L		08/10/25 16:20	08/11/25 22:21	1
2-Methylnaphthalene	ND		10.0	0.290	ug/L		08/10/25 16:20	08/11/25 22:21	1
o-Cresol	ND		10.0	0.960	ug/L		08/10/25 16:20	08/11/25 22:21	1
2-Nitroaniline	ND		10.0	1.00	ug/L		08/10/25 16:20	08/11/25 22:21	1
2-Nitrophenol	ND		10.0	1.27	ug/L		08/10/25 16:20	08/11/25 22:21	1
4-Bromophenyl-phenylether	ND		10.0	0.560	ug/L		08/10/25 16:20	08/11/25 22:21	1
4-Chloro-3-methylphenol	ND		10.0	1.00	ug/L		08/10/25 16:20	08/11/25 22:21	1
4-Chlorophenyl-phenyl ether	ND		10.0	0.600	ug/L		08/10/25 16:20	08/11/25 22:21	1
m & p-Cresol	ND		20.0	2.47	ug/L		08/10/25 16:20	08/11/25 22:21	1
5-Nitro-o-toluidine	ND		10.0	2.00	ug/L		08/10/25 16:20	08/11/25 22:21	1
Acenaphthene	ND		10.0	0.350	ug/L		08/10/25 16:20	08/11/25 22:21	1
Acenaphthylene	ND		10.0	0.480	ug/L		08/10/25 16:20	08/11/25 22:21	1
Anthracene	ND		10.0	0.520	ug/L		08/10/25 16:20	08/11/25 22:21	1
Benzo[a]anthracene	ND		10.0	0.450	ug/L		08/10/25 16:20	08/11/25 22:21	1
Benzo[a]pyrene	ND		10.0	1.50	ug/L		08/10/25 16:20	08/11/25 22:21	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-683371/1-A
Matrix: Water
Analysis Batch: 683977

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 683371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		10.0	1.20	ug/L		08/10/25 16:20	08/11/25 22:21	1
Benzo[g,h,i]perylene	ND		10.0	0.420	ug/L		08/10/25 16:20	08/11/25 22:21	1
Benzo[k]fluoranthene	ND		10.0	1.60	ug/L		08/10/25 16:20	08/11/25 22:21	1
Chrysene	ND		10.0	0.310	ug/L		08/10/25 16:20	08/11/25 22:21	1
Diallate	ND		10.0	3.00	ug/L		08/10/25 16:20	08/11/25 22:21	1
Dibenz(a,h)anthracene	ND		10.0	0.380	ug/L		08/10/25 16:20	08/11/25 22:21	1
Dibenzofuran	ND		10.0	0.600	ug/L		08/10/25 16:20	08/11/25 22:21	1
Diethyl phthalate	ND		10.0	2.00	ug/L		08/10/25 16:20	08/11/25 22:21	1
Dimethoate	ND		10.0	3.00	ug/L		08/10/25 16:20	08/11/25 22:21	1
Ethyl methanesulfonate	ND		10.0	1.10	ug/L		08/10/25 16:20	08/11/25 22:21	1
Fluoranthene	ND		10.0	0.420	ug/L		08/10/25 16:20	08/11/25 22:21	1
Fluorene	ND		10.0	0.380	ug/L		08/10/25 16:20	08/11/25 22:21	1
Hexachlorobenzene	ND		10.0	0.870	ug/L		08/10/25 16:20	08/11/25 22:21	1
Hexachloropropene	ND		10.0	2.00	ug/L		08/10/25 16:20	08/11/25 22:21	1
Indeno[1,2,3-cd]pyrene	ND		10.0	0.150	ug/L		08/10/25 16:20	08/11/25 22:21	1
Isodrin	ND		10.0	1.10	ug/L		08/10/25 16:20	08/11/25 22:21	1
Kepone	ND		50.0	25.0	ug/L		08/10/25 16:20	08/11/25 22:21	1
N-Nitrosodiethylamine	ND		10.0	3.00	ug/L		08/10/25 16:20	08/11/25 22:21	1
N-Nitrosodimethylamine	ND		10.0	2.00	ug/L		08/10/25 16:20	08/11/25 22:21	1
n-Nitrosodiphenylamine(as diphenylamine)	ND		10.0	0.580	ug/L		08/10/25 16:20	08/11/25 22:21	1
N-Nitrosomorpholine	ND		10.0	3.00	ug/L		08/10/25 16:20	08/11/25 22:21	1
N-Nitrosopiperidine	ND		10.0	1.10	ug/L		08/10/25 16:20	08/11/25 22:21	1
Nitrobenzene	ND		10.0	0.600	ug/L		08/10/25 16:20	08/11/25 22:21	1
o,o',o''-Triethylphosphorothioate	ND		10.0	2.60	ug/L		08/10/25 16:20	08/11/25 22:21	1
Pentachlorobenzene	ND		10.0	1.60	ug/L		08/10/25 16:20	08/11/25 22:21	1
Phenacetin	ND		10.0	1.40	ug/L		08/10/25 16:20	08/11/25 22:21	1
Pentachlorophenol	ND		10.0	3.00	ug/L		08/10/25 16:20	08/11/25 22:21	1
Phenanthrene	ND		10.0	0.520	ug/L		08/10/25 16:20	08/11/25 22:21	1
Phenol	ND		10.0	0.770	ug/L		08/10/25 16:20	08/11/25 22:21	1
Phorate	ND		10.0	2.50	ug/L		08/10/25 16:20	08/11/25 22:21	1
Pyrene	ND		10.0	0.410	ug/L		08/10/25 16:20	08/11/25 22:21	1
Safrole, Total	ND		10.0	2.20	ug/L		08/10/25 16:20	08/11/25 22:21	1
Sulfotepp	ND		10.0	2.40	ug/L		08/10/25 16:20	08/11/25 22:21	1
O,O-Diethyl O-2-pyrazinyl phosphorothioate	ND		10.0	2.40	ug/L		08/10/25 16:20	08/11/25 22:21	1
Bis(2-ethylhexyl) phthalate	ND		10.0	2.00	ug/L		08/10/25 16:20	08/11/25 22:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*13 - 134*	*08/10/25 16:20*	*08/11/25 22:21*	*1*
2-Fluorobiphenyl (Surr)	*74*		*45 - 120*	*08/10/25 16:20*	*08/11/25 22:21*	*1*
2-Fluorophenol (Surr)	*43*		*10 - 120*	*08/10/25 16:20*	*08/11/25 22:21*	*1*
Nitrobenzene-d5 (Surr)	*78*		*33 - 120*	*08/10/25 16:20*	*08/11/25 22:21*	*1*
p-Terphenyl-d14 (Surr)	*104*		*26 - 123*	*08/10/25 16:20*	*08/11/25 22:21*	*1*
Phenol-d5 (Surr)	*36*		*10 - 120*	*08/10/25 16:20*	*08/11/25 22:21*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-683371/2-A
Matrix: Water
Analysis Batch: 683977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 683371

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2,4,5-Tetrachlorobenzene			50.0	40.45		ug/L		81	37 - 124		
1,3-Dinitrobenzene			50.0	38.62		ug/L		77	36 - 153		
bis (2-chloroisopropyl) ether			50.0	66.53		ug/L		133	22 - 139		
2,3,4,6-Tetrachlorophenol			50.0	41.84		ug/L		84	47 - 137		
2,4,5-Trichlorophenol			50.0	46.38		ug/L		93	55 - 133		
2,4,6-Trichlorophenol			50.0	43.08		ug/L		86	54 - 139		
2,4-Dichlorophenol			50.0	45.07		ug/L		90	51 - 135		
2,4-Dinitrotoluene			50.0	44.06		ug/L		88	54 - 143		
2,6-Dichlorophenol			50.0	46.92		ug/L		94	43 - 146		
2,6-Dinitrotoluene			50.0	44.99		ug/L		90	53 - 139		
2-Chloronaphthalene			50.0	37.76		ug/L		76	48 - 124		
2-Chlorophenol			50.0	40.83		ug/L		82	45 - 122		
2-Methylnaphthalene			50.0	46.72		ug/L		93	49 - 124		
o-Cresol			50.0	38.79		ug/L		78	42 - 120		
2-Nitroaniline			50.0	40.23		ug/L		80	49 - 144		
2-Nitrophenol			50.0	45.10		ug/L		90	42 - 145		
4-Bromophenyl-phenylether			50.0	44.83		ug/L		90	49 - 135		
4-Chloro-3-methylphenol			50.0	41.74		ug/L		83	49 - 130		
4-Chlorophenyl-phenyl ether			50.0	41.16		ug/L		82	49 - 125		
m & p-Cresol			50.0	33.63		ug/L		67	38 - 120		
Acenaphthene			50.0	39.59		ug/L		79	52 - 125		
Acenaphthylene			50.0	41.64		ug/L		83	51 - 131		
Anthracene			50.0	46.75		ug/L		94	55 - 134		
Benzo[a]anthracene			50.0	42.92		ug/L		86	54 - 134		
Benzo[a]pyrene			50.0	45.80		ug/L		92	58 - 135		
Benzo[b]fluoranthene			50.0	39.29		ug/L		79	51 - 132		
Benzo[g,h,i]perylene			50.0	43.19		ug/L		86	50 - 138		
Benzo[k]fluoranthene			50.0	47.34		ug/L		95	58 - 140		
Chrysene			50.0	46.60		ug/L		93	56 - 136		
Dibenz(a,h)anthracene			50.0	44.56		ug/L		89	47 - 141		
Dibenzofuran			50.0	40.42		ug/L		81	50 - 128		
Diethyl phthalate			50.0	37.63		ug/L		75	45 - 130		
Fluoranthene			50.0	44.87		ug/L		90	56 - 137		
Fluorene			50.0	42.63		ug/L		85	50 - 128		
Hexachlorobenzene			50.0	43.86		ug/L		88	47 - 135		
Indeno[1,2,3-cd]pyrene			50.0	43.88		ug/L		88	47 - 140		
N-Nitrosodimethylamine			50.0	31.02		ug/L		62	21 - 120		
n-Nitrosodiphenylamine(as diphenylamine)			42.5	37.98		ug/L		89	48 - 144		
Nitrobenzene			50.0	46.35		ug/L		93	43 - 128		
Pentachlorophenol			100	88.42		ug/L		88	45 - 149		
Phenanthrene			50.0	44.01		ug/L		88	55 - 132		
Phenol			50.0	19.88		ug/L		40	18 - 120		
Pyrene			50.0	42.33		ug/L		85	58 - 131		
Bis(2-ethylhexyl) phthalate			50.0	42.39		ug/L		85	46 - 143		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*74*		*13 - 134*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-683371/2-A
Matrix: Water
Analysis Batch: 683977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 683371

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*66*		*45 - 120*
2-Fluorophenol (Surr)	*41*		*10 - 120*
Nitrobenzene-d5 (Surr)	*71*		*33 - 120*
p-Terphenyl-d14 (Surr)	*84*		*26 - 123*
Phenol-d5 (Surr)	*32*		*10 - 120*

Lab Sample ID: LCS 410-683371/3-A
Matrix: Water
Analysis Batch: 683977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 683371

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
5-Nitro-o-toluidine	50.0	33.85		ug/L		68	31 - 120
Diallate	50.0	40.28		ug/L		81	44 - 121
Dimethoate	50.0	35.33		ug/L		71	10 - 120
Ethyl methanesulfonate	50.0	38.22		ug/L		76	45 - 120
Hexachloropropene	50.0	31.42		ug/L		63	16 - 120
Isodrin	50.0	41.19		ug/L		82	51 - 120
Kepone	51.0	31.20	J *-	ug/L		61	70 - 130
N-Nitrosodiethylamine	50.0	37.53		ug/L		75	44 - 120
N-Nitrosomorpholine	50.0	43.52		ug/L		87	32 - 120
N-Nitrosopiperidine	50.0	40.65		ug/L		81	51 - 120
o,o',o''-Triethylphosphorothioate	50.0	43.84		ug/L		88	38 - 120
Pentachlorobenzene	50.0	38.35		ug/L		77	45 - 120
Phenacetin	50.0	37.36		ug/L		75	47 - 126
Phorate	50.0	47.29		ug/L		95	36 - 146
Safrole, Total	50.0	41.48		ug/L		83	49 - 120
Sulfotepp	50.0	38.62		ug/L		77	41 - 122
O,O-Diethyl O-2-pyrazinyl phosphorothioate	50.0	34.69		ug/L		69	43 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*78*		*13 - 134*
2-Fluorobiphenyl (Surr)	*73*		*45 - 120*
2-Fluorophenol (Surr)	*46*		*10 - 120*
Nitrobenzene-d5 (Surr)	*78*		*33 - 120*
p-Terphenyl-d14 (Surr)	*91*		*26 - 123*
Phenol-d5 (Surr)	*36*		*10 - 120*

Lab Sample ID: LCSD 410-683371/4-A
Matrix: Water
Analysis Batch: 683977

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 683371

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
5-Nitro-o-toluidine	50.0	29.02		ug/L		58	31 - 120	15	30
Diallate	50.0	36.89		ug/L		74	44 - 121	9	30
Dimethoate	50.0	34.18		ug/L		68	10 - 120	3	30
Ethyl methanesulfonate	50.0	35.28		ug/L		71	45 - 120	8	30
Hexachloropropene	50.0	25.42		ug/L		51	16 - 120	21	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 410-683371/4-A
Matrix: Water
Analysis Batch: 683977

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 683371

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Isodrin			50.0	35.57		ug/L		71	51 - 120	15	30
Kepone			51.0	ND	*-	ug/L		49	70 - 130	23	30
N-Nitrosodiethylamine			50.0	34.14		ug/L		68	44 - 120	9	30
N-Nitrosomorpholine			50.0	40.46		ug/L		81	32 - 120	7	30
N-Nitrosopiperidine			50.0	35.74		ug/L		71	51 - 120	13	30
o,o',o"-Triethylphosphorothioate			50.0	38.37		ug/L		77	38 - 120	13	30
Pentachlorobenzene			50.0	33.15		ug/L		66	45 - 120	15	30
Phenacetin			50.0	32.25		ug/L		65	47 - 126	15	30
Phorate			50.0	42.90		ug/L		86	36 - 146	10	30
Safrole, Total			50.0	36.20		ug/L		72	49 - 120	14	30
Sulfotepp			50.0	35.68		ug/L		71	41 - 122	8	30
O,O-Diethyl O-2-pyrazinyl phosphorothioate			50.0	30.70		ug/L		61	43 - 126	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*51*		*13 - 134*
2-Fluorobiphenyl (Surr)	*59*		*45 - 120*
2-Fluorophenol (Surr)	*35*		*10 - 120*
Nitrobenzene-d5 (Surr)	*60*		*33 - 120*
p-Terphenyl-d14 (Surr)	*74*		*26 - 123*
Phenol-d5 (Surr)	*32*		*10 - 120*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-681233/1-A
Matrix: Water
Analysis Batch: 684622

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 681233

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.00	0.600	ug/L		08/11/25 04:22	08/12/25 19:14	1
Arsenic	ND		10.0	2.00	ug/L		08/11/25 04:22	08/12/25 19:14	1
Beryllium	ND		1.00	0.300	ug/L		08/11/25 04:22	08/12/25 19:14	1
Cadmium	ND		1.00	0.200	ug/L		08/11/25 04:22	08/12/25 19:14	1
Chromium	ND		5.00	1.00	ug/L		08/11/25 04:22	08/12/25 19:14	1
Cobalt	ND		5.00	1.00	ug/L		08/11/25 04:22	08/12/25 19:14	1
Copper	ND		5.00	1.70	ug/L		08/11/25 04:22	08/12/25 19:14	1
Lead	ND		3.00	1.00	ug/L		08/11/25 04:22	08/12/25 19:14	1
Nickel	ND		10.0	2.00	ug/L		08/11/25 04:22	08/12/25 19:14	1
Selenium	ND		10.0	3.00	ug/L		08/11/25 04:22	08/12/25 19:14	1
Silver	ND		2.00	0.300	ug/L		08/11/25 04:22	08/12/25 19:14	1
Thallium	ND		1.00	0.200	ug/L		08/11/25 04:22	08/12/25 19:14	1
Zinc	ND		30.0	7.30	ug/L		08/11/25 04:22	08/12/25 19:14	1
Vanadium	ND		10.0	2.50	ug/L		08/11/25 04:22	08/12/25 19:14	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-681233/1-A
Matrix: Water
Analysis Batch: 685231

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 681233

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		10.0	1.30	ug/L		08/11/25 04:22	08/13/25 17:09	1

Lab Sample ID: LCS 410-681233/2-A
Matrix: Water
Analysis Batch: 684622

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 681233

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	100	96.88		ug/L		97	85 - 115
Arsenic	500	502.9		ug/L		101	86 - 111
Beryllium	50.0	47.79		ug/L		96	80 - 120
Cadmium	50.0	49.47		ug/L		99	86 - 114
Chromium	500	493.1		ug/L		99	84 - 113
Cobalt	500	458.6		ug/L		92	85 - 112
Copper	500	483.2		ug/L		97	86 - 111
Lead	50.0	50.09		ug/L		100	86 - 114
Nickel	500	479.9		ug/L		96	85 - 113
Selenium	100	98.02		ug/L		98	86 - 111
Silver	50.0	49.98		ug/L		100	88 - 116
Thallium	100	98.68		ug/L		99	86 - 113
Zinc	500	541.6		ug/L		108	86 - 112
Vanadium	500	472.4		ug/L		94	84 - 112

Lab Sample ID: LCS 410-681233/2-A
Matrix: Water
Analysis Batch: 685231

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 681233

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	500	487.4		ug/L		97	86 - 114

Lab Sample ID: 410-234898-4 MS
Matrix: Water
Analysis Batch: 684622

Client Sample ID: 16WC1AMS
Prep Type: Total Recoverable
Prep Batch: 681233

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		100	96.65		ug/L		97	75 - 125
Arsenic	4.80	J	500	529.3		ug/L		105	75 - 125
Beryllium	ND		50.0	48.05		ug/L		96	75 - 125
Cadmium	ND		50.0	49.30		ug/L		99	75 - 125
Chromium	ND		500	502.6		ug/L		101	75 - 125
Cobalt	11.0		500	469.5		ug/L		92	80 - 125
Copper	ND		500	478.8		ug/L		96	75 - 125
Lead	ND		50.0	49.06		ug/L		98	75 - 125
Nickel	10.0		500	485.8		ug/L		95	75 - 125
Selenium	ND		100	98.01		ug/L		98	75 - 125
Silver	ND		50.0	48.83		ug/L		98	75 - 125
Thallium	ND		100	97.40		ug/L		97	75 - 125
Zinc	ND		500	483.6		ug/L		97	75 - 125
Vanadium	ND		500	483.1		ug/L		97	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 410-234898-4 MS
Matrix: Water
Analysis Batch: 685231

Client Sample ID: 16WC1AMS
Prep Type: Total Recoverable
Prep Batch: 681233

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	366		500	872.4		ug/L		101	75 - 125

Lab Sample ID: 410-234898-4 MSD
Matrix: Water
Analysis Batch: 684622

Client Sample ID: 16WC1AMSD
Prep Type: Total Recoverable
Prep Batch: 681233

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		100	96.82		ug/L		97	75 - 125	0	20
Arsenic	4.80	J	500	502.8		ug/L		100	75 - 125	5	20
Beryllium	ND		50.0	47.72		ug/L		95	75 - 125	1	20
Cadmium	ND		50.0	47.51		ug/L		95	75 - 125	4	20
Chromium	ND		500	485.9		ug/L		97	75 - 125	3	20
Cobalt	11.0		500	459.5		ug/L		90	80 - 125	2	20
Copper	ND		500	471.3		ug/L		94	75 - 125	2	20
Lead	ND		50.0	49.29		ug/L		99	75 - 125	0	20
Nickel	10.0		500	473.3		ug/L		93	75 - 125	3	20
Selenium	ND		100	97.66		ug/L		98	75 - 125	0	20
Silver	ND		50.0	48.72		ug/L		97	75 - 125	0	20
Thallium	ND		100	97.53		ug/L		98	75 - 125	0	20
Zinc	ND		500	474.4		ug/L		95	75 - 125	2	20
Vanadium	ND		500	475.1		ug/L		95	75 - 125	2	20

Lab Sample ID: 410-234898-4 MSD
Matrix: Water
Analysis Batch: 685231

Client Sample ID: 16WC1AMSD
Prep Type: Total Recoverable
Prep Batch: 681233

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Barium	366		500	851.7		ug/L		97	75 - 125	2	20

Lab Sample ID: 410-234898-4 DU
Matrix: Water
Analysis Batch: 684622

Client Sample ID: 16WC1ALR
Prep Type: Total Recoverable
Prep Batch: 681233

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	ND		ND		ug/L		NC	20
Arsenic	4.80	J	4.619	J	ug/L		4	20
Beryllium	ND		ND		ug/L		NC	20
Cadmium	ND		ND		ug/L		NC	20
Chromium	ND		ND		ug/L		NC	20
Cobalt	11.0		11.41		ug/L		4	20
Copper	ND		ND		ug/L		NC	20
Lead	ND		ND		ug/L		NC	20
Nickel	10.0		9.931	J	ug/L		0.9	20
Selenium	ND		ND		ug/L		NC	20
Silver	ND		ND		ug/L		NC	20
Thallium	ND		ND		ug/L		NC	20
Zinc	ND		ND		ug/L		NC	20
Vanadium	ND		ND		ug/L		NC	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 410-234898-4 DU
Matrix: Water
Analysis Batch: 685231

Client Sample ID: 16WC1ALR
Prep Type: Total Recoverable
Prep Batch: 681233

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Barium	366			371.3		ug/L				2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 410-682634/1-A
Matrix: Water
Analysis Batch: 684585

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 682634

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		2.00	0.200	ug/L		08/12/25 05:25	08/12/25 19:29	1

Lab Sample ID: LCS 410-682634/2-A
Matrix: Water
Analysis Batch: 684585

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 682634

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			1.00	0.9790	J	ug/L		98	80 - 120		

Lab Sample ID: 410-234898-4 MS
Matrix: Water
Analysis Batch: 684585

Client Sample ID: 16WC1AMS
Prep Type: Total/NA
Prep Batch: 682634

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		1.00	0.9550	J	ug/L		96	80 - 120		

Lab Sample ID: 410-234898-4 MSD
Matrix: Water
Analysis Batch: 684585

Client Sample ID: 16WC1AMSD
Prep Type: Total/NA
Prep Batch: 682634

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		1.00	0.9020	J	ug/L		90	80 - 120	6	20

Lab Sample ID: 410-234898-4 DU
Matrix: Water
Analysis Batch: 684585

Client Sample ID: 16WC1ALR
Prep Type: Total/NA
Prep Batch: 682634

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	ND			ND		ug/L				NC	20

Lab Sample ID: MB 410-682638/1-A
Matrix: Water
Analysis Batch: 686532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 682638

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		2.00	0.200	ug/L		08/12/25 10:26	08/16/25 14:48	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 410-682638/2-A
Matrix: Water
Analysis Batch: 686532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 682638

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			1.00	1.196	J	ug/L		120	80 - 120		

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 410-679503/2-A
Matrix: Water
Analysis Batch: 680471

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 679503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		20.0	5.00	ug/L		08/01/25 13:24	08/02/25 00:06	1

Lab Sample ID: LCS 410-679503/1-A
Matrix: Water
Analysis Batch: 680471

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 679503

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			200	187.0		ug/L		94	85 - 115		

Lab Sample ID: 410-234898-1 MS
Matrix: Water
Analysis Batch: 680471

Client Sample ID: 16C1
Prep Type: Total/NA
Prep Batch: 679503

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	ND		200	170.0		ug/L		85	72 - 114		

Lab Sample ID: 410-234898-1 MSD
Matrix: Water
Analysis Batch: 680471

Client Sample ID: 16C1
Prep Type: Total/NA
Prep Batch: 679503

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	ND		200	198.0		ug/L		99	72 - 114	15	20

Lab Sample ID: 410-234898-2 MS
Matrix: Water
Analysis Batch: 680471

Client Sample ID: 16MW8
Prep Type: Total/NA
Prep Batch: 679503

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	ND		200	201.0		ug/L		101	72 - 114		

Lab Sample ID: 410-234898-2 MSD
Matrix: Water
Analysis Batch: 680471

Client Sample ID: 16MW8
Prep Type: Total/NA
Prep Batch: 679503

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	ND		200	199.0		ug/L		100	72 - 114	1	20

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: MB 410-680915/2-A
Matrix: Water
Analysis Batch: 681521

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 680915

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		20.0	5.00	ug/L		08/05/25 13:00	08/05/25 23:36	1

Lab Sample ID: LCS 410-680915/1-A
Matrix: Water
Analysis Batch: 681521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 680915

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			200	181.0		ug/L		91	85 - 115		

Lab Sample ID: 410-234898-4 MS
Matrix: Water
Analysis Batch: 681521

Client Sample ID: 16WC1AMS
Prep Type: Total/NA
Prep Batch: 680915

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	ND	F1 cn	200	141.0	F1 cn	ug/L		71	72 - 114		

Lab Sample ID: 410-234898-4 MSD
Matrix: Water
Analysis Batch: 681521

Client Sample ID: 16WC1AMSD
Prep Type: Total/NA
Prep Batch: 680915

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	ND	F1 cn	200	140.0	F1 cn	ug/L		70	72 - 114	1	20

GC/MS VOA

Analysis Batch: 681349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-1	16C1	Total/NA	Water	8260D	
410-234898-2	16MW8	Total/NA	Water	8260D	
410-234898-3	16MW9	Total/NA	Water	8260D	
410-234898-4	16WC1A	Total/NA	Water	8260D	
410-234898-5	16WDUP	Total/NA	Water	8260D	
410-234898-6	16WC1B	Total/NA	Water	8260D	
410-234898-12	Trip Blank 1	Total/NA	Water	8260D	
410-234898-13	Trip Blank 2	Total/NA	Water	8260D	
410-234898-14	Trip Blank 3	Total/NA	Water	8260D	
MB 410-681349/7	Method Blank	Total/NA	Water	8260D	
LCS 410-681349/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-681349/5	Lab Control Sample Dup	Total/NA	Water	8260D	
410-234898-4 MS	16WC1AMS	Total/NA	Water	8260D	
410-234898-4 MSD	16WC1AMSD	Total/NA	Water	8260D	

Analysis Batch: 681517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-1	16C1	Total/NA	Water	8260D	
410-234898-1 - DL	16C1	Total/NA	Water	8260D	
410-234898-2	16MW8	Total/NA	Water	8260D	
410-234898-3	16MW9	Total/NA	Water	8260D	
410-234898-3 - DL	16MW9	Total/NA	Water	8260D	
410-234898-4	16WC1A	Total/NA	Water	8260D	
410-234898-5	16WDUP	Total/NA	Water	8260D	
410-234898-6	16WC1B	Total/NA	Water	8260D	
410-234898-12	Trip Blank 1	Total/NA	Water	8260D	
410-234898-13	Trip Blank 2	Total/NA	Water	8260D	
410-234898-14	Trip Blank 3	Total/NA	Water	8260D	
MB 410-681517/8	Method Blank	Total/NA	Water	8260D	
LCS 410-681517/5	Lab Control Sample	Total/NA	Water	8260D	
LCS 410-681517/6	Lab Control Sample	Total/NA	Water	8260D	
410-234898-4 MS	16WC1AMS	Total/NA	Water	8260D	
410-234898-4 MS	16WC1AMS	Total/NA	Water	8260D	
410-234898-4 MSD	16WC1AMSD	Total/NA	Water	8260D	
410-234898-4 MSD	16WC1AMSD	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 681120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-2	16MW8	Total/NA	Water	3510C	
MB 410-681120/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-681120/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 410-681120/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-681120/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 410-681120/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 681375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-2	16MW8	Total/NA	Water	8270E	681120
MB 410-681120/1-A	Method Blank	Total/NA	Water	8270E	681120

GC/MS Semi VOA (Continued)

Analysis Batch: 681375 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-681120/2-A	Lab Control Sample	Total/NA	Water	8270E	681120
LCS 410-681120/4-A	Lab Control Sample	Total/NA	Water	8270E	681120
LCSD 410-681120/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	681120
LCSD 410-681120/5-A	Lab Control Sample Dup	Total/NA	Water	8270E	681120

Prep Batch: 681385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-1	16C1	Total/NA	Water	3510C	
410-234898-3	16MW9	Total/NA	Water	3510C	
410-234898-4	16WC1A	Total/NA	Water	3510C	
410-234898-5	16WDUP	Total/NA	Water	3510C	
410-234898-6	16WC1B	Total/NA	Water	3510C	
MB 410-681385/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-681385/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 410-681385/3-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-681385/4-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-234898-4 MS	16WC1AMS	Total/NA	Water	3510C	
410-234898-4 MSD	16WC1AMSD	Total/NA	Water	3510C	

Analysis Batch: 682061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-1	16C1	Total/NA	Water	8270E	681385
410-234898-3	16MW9	Total/NA	Water	8270E	681385
410-234898-4	16WC1A	Total/NA	Water	8270E	681385
410-234898-5	16WDUP	Total/NA	Water	8270E	681385
MB 410-681385/1-A	Method Blank	Total/NA	Water	8270E	681385
LCS 410-681385/2-A	Lab Control Sample	Total/NA	Water	8270E	681385
LCS 410-681385/3-A	Lab Control Sample	Total/NA	Water	8270E	681385
LCSD 410-681385/4-A	Lab Control Sample Dup	Total/NA	Water	8270E	681385
410-234898-4 MS	16WC1AMS	Total/NA	Water	8270E	681385
410-234898-4 MSD	16WC1AMSD	Total/NA	Water	8270E	681385

Analysis Batch: 682464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-6	16WC1B	Total/NA	Water	8270E	681385

Prep Batch: 683371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-4 - RE	16WC1A	Total/NA	Water	3510C	
410-234898-5 - RE	16WDUP	Total/NA	Water	3510C	
MB 410-683371/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-683371/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 410-683371/3-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-683371/4-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 683977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-4 - RE	16WC1A	Total/NA	Water	8270E	683371
410-234898-5 - RE	16WDUP	Total/NA	Water	8270E	683371
MB 410-683371/1-A	Method Blank	Total/NA	Water	8270E	683371
LCS 410-683371/2-A	Lab Control Sample	Total/NA	Water	8270E	683371

GC/MS Semi VOA (Continued)

Analysis Batch: 683977 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-683371/3-A	Lab Control Sample	Total/NA	Water	8270E	683371
LCSD 410-683371/4-A	Lab Control Sample Dup	Total/NA	Water	8270E	683371

Metals

Prep Batch: 681233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-1	16C1	Total Recoverable	Water	3005A	
410-234898-2	16MW8	Total Recoverable	Water	3005A	
410-234898-3	16MW9	Total Recoverable	Water	3005A	
410-234898-4	16WC1A	Total Recoverable	Water	3005A	
410-234898-5	16WDUP	Total Recoverable	Water	3005A	
410-234898-6	16WC1B	Total Recoverable	Water	3005A	
MB 410-681233/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-681233/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
410-234898-4 MS	16WC1AMS	Total Recoverable	Water	3005A	
410-234898-4 MSD	16WC1AMSD	Total Recoverable	Water	3005A	
410-234898-4 DU	16WC1ALR	Total Recoverable	Water	3005A	

Prep Batch: 682634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-1	16C1	Total/NA	Water	7470A	
410-234898-2	16MW8	Total/NA	Water	7470A	
410-234898-3	16MW9	Total/NA	Water	7470A	
410-234898-4	16WC1A	Total/NA	Water	7470A	
MB 410-682634/1-A	Method Blank	Total/NA	Water	7470A	
LCS 410-682634/2-A	Lab Control Sample	Total/NA	Water	7470A	
410-234898-4 MS	16WC1AMS	Total/NA	Water	7470A	
410-234898-4 MSD	16WC1AMSD	Total/NA	Water	7470A	
410-234898-4 DU	16WC1ALR	Total/NA	Water	7470A	

Prep Batch: 682638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-5	16WDUP	Total/NA	Water	7470A	
410-234898-6	16WC1B	Total/NA	Water	7470A	
MB 410-682638/1-A	Method Blank	Total/NA	Water	7470A	
LCS 410-682638/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 684585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-1	16C1	Total/NA	Water	7470A	682634
410-234898-2	16MW8	Total/NA	Water	7470A	682634
410-234898-3	16MW9	Total/NA	Water	7470A	682634
410-234898-4	16WC1A	Total/NA	Water	7470A	682634
MB 410-682634/1-A	Method Blank	Total/NA	Water	7470A	682634
LCS 410-682634/2-A	Lab Control Sample	Total/NA	Water	7470A	682634
410-234898-4 MS	16WC1AMS	Total/NA	Water	7470A	682634
410-234898-4 MSD	16WC1AMSD	Total/NA	Water	7470A	682634
410-234898-4 DU	16WC1ALR	Total/NA	Water	7470A	682634

Metals

Analysis Batch: 684622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-1	16C1	Total Recoverable	Water	6020B	681233
410-234898-2	16MW8	Total Recoverable	Water	6020B	681233
410-234898-3	16MW9	Total Recoverable	Water	6020B	681233
410-234898-4	16WC1A	Total Recoverable	Water	6020B	681233
410-234898-5	16WDUP	Total Recoverable	Water	6020B	681233
410-234898-6	16WC1B	Total Recoverable	Water	6020B	681233
MB 410-681233/1-A	Method Blank	Total Recoverable	Water	6020B	681233
LCS 410-681233/2-A	Lab Control Sample	Total Recoverable	Water	6020B	681233
410-234898-4 MS	16WC1AMS	Total Recoverable	Water	6020B	681233
410-234898-4 MSD	16WC1AMSD	Total Recoverable	Water	6020B	681233
410-234898-4 DU	16WC1ALR	Total Recoverable	Water	6020B	681233

Analysis Batch: 685231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-1	16C1	Total Recoverable	Water	6020B	681233
410-234898-2	16MW8	Total Recoverable	Water	6020B	681233
410-234898-3	16MW9	Total Recoverable	Water	6020B	681233
410-234898-4	16WC1A	Total Recoverable	Water	6020B	681233
410-234898-5	16WDUP	Total Recoverable	Water	6020B	681233
410-234898-6	16WC1B	Total Recoverable	Water	6020B	681233
MB 410-681233/1-A	Method Blank	Total Recoverable	Water	6020B	681233
LCS 410-681233/2-A	Lab Control Sample	Total Recoverable	Water	6020B	681233
410-234898-4 MS	16WC1AMS	Total Recoverable	Water	6020B	681233
410-234898-4 MSD	16WC1AMSD	Total Recoverable	Water	6020B	681233
410-234898-4 DU	16WC1ALR	Total Recoverable	Water	6020B	681233

Analysis Batch: 686532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-5	16WDUP	Total/NA	Water	7470A	682638
410-234898-6	16WC1B	Total/NA	Water	7470A	682638
MB 410-682638/1-A	Method Blank	Total/NA	Water	7470A	682638
LCS 410-682638/2-A	Lab Control Sample	Total/NA	Water	7470A	682638

General Chemistry

Prep Batch: 679503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-1	16C1	Total/NA	Water	9012B	
410-234898-2	16MW8	Total/NA	Water	9012B	
410-234898-3	16MW9	Total/NA	Water	9012B	
410-234898-5	16WDUP	Total/NA	Water	9012B	
410-234898-6	16WC1B	Total/NA	Water	9012B	
MB 410-679503/2-A	Method Blank	Total/NA	Water	9012B	
LCS 410-679503/1-A	Lab Control Sample	Total/NA	Water	9012B	
410-234898-1 MS	16C1	Total/NA	Water	9012B	
410-234898-1 MSD	16C1	Total/NA	Water	9012B	
410-234898-2 MS	16MW8	Total/NA	Water	9012B	
410-234898-2 MSD	16MW8	Total/NA	Water	9012B	

QC Association Summary

Client: TRC, Engineers, Inc.
Job ID: 410-234898-1
Project/Site: RFAAP, Radford HWMU16

General Chemistry

Analysis Batch: 680471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-1	16C1	Total/NA	Water	9012B	679503
410-234898-2	16MW8	Total/NA	Water	9012B	679503
410-234898-3	16MW9	Total/NA	Water	9012B	679503
410-234898-5	16WDUP	Total/NA	Water	9012B	679503
410-234898-6	16WC1B	Total/NA	Water	9012B	679503
MB 410-679503/2-A	Method Blank	Total/NA	Water	9012B	679503
LCS 410-679503/1-A	Lab Control Sample	Total/NA	Water	9012B	679503
410-234898-1 MS	16C1	Total/NA	Water	9012B	679503
410-234898-1 MSD	16C1	Total/NA	Water	9012B	679503
410-234898-2 MS	16MW8	Total/NA	Water	9012B	679503
410-234898-2 MSD	16MW8	Total/NA	Water	9012B	679503

Prep Batch: 680915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-4	16WC1A	Total/NA	Water	9012B	
MB 410-680915/2-A	Method Blank	Total/NA	Water	9012B	
LCS 410-680915/1-A	Lab Control Sample	Total/NA	Water	9012B	
410-234898-4 MS	16WC1AMS	Total/NA	Water	9012B	
410-234898-4 MSD	16WC1AMSD	Total/NA	Water	9012B	

Analysis Batch: 681521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-4	16WC1A	Total/NA	Water	9012B	680915
MB 410-680915/2-A	Method Blank	Total/NA	Water	9012B	680915
LCS 410-680915/1-A	Lab Control Sample	Total/NA	Water	9012B	680915
410-234898-4 MS	16WC1AMS	Total/NA	Water	9012B	680915
410-234898-4 MSD	16WC1AMSD	Total/NA	Water	9012B	680915

Client Sample ID: 16C1 — Lab Sample ID: 410-234898-1

Date Collected: 07/30/25 14:20 — **Matrix: Water**
Date Received: 07/31/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	681517	N7YK	ELLE	08/06/25 19:12
Total/NA	Analysis	8260D	DL	10	681517	N7YK	ELLE	08/06/25 19:35
Total/NA	Analysis	8260D		1	681349	TQ4J	ELLE	08/06/25 12:55
Total/NA	Prep	3510C			681385	XU9L	ELLE	08/06/25 07:35
Total/NA	Analysis	8270E		1	682061	RN6U	ELLE	08/07/25 15:55
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	685231	I9IN	ELLE	08/13/25 19:16
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	684622	I9IN	ELLE	08/12/25 23:32
Total/NA	Prep	7470A			682634	UJL8	ELLE	08/12/25 05:25
Total/NA	Analysis	7470A		1	684585	IJ3I	ELLE	08/12/25 20:11
Total/NA	Prep	9012B			679503	NLE3	ELLE	08/01/25 13:24 - 08/01/25 15:09 [1]
Total/NA	Analysis	9012B		1	680471	P684	ELLE	08/02/25 00:08

Client Sample ID: 16MW8 — Lab Sample ID: 410-234898-2

Date Collected: 07/29/25 11:20 — **Matrix: Water**
Date Received: 07/31/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	681517	N7YK	ELLE	08/06/25 14:23
Total/NA	Analysis	8260D		1	681349	TQ4J	ELLE	08/06/25 13:15
Total/NA	Prep	3510C			681120	L2FU	ELLE	08/05/25 16:09
Total/NA	Analysis	8270E		1	681375	RN6U	ELLE	08/06/25 18:13
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	685231	I9IN	ELLE	08/13/25 19:18
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	684622	I9IN	ELLE	08/12/25 23:34
Total/NA	Prep	7470A			682634	UJL8	ELLE	08/12/25 05:25
Total/NA	Analysis	7470A		1	684585	IJ3I	ELLE	08/12/25 20:15
Total/NA	Prep	9012B			679503	NLE3	ELLE	08/01/25 13:24 - 08/01/25 15:09 [1]
Total/NA	Analysis	9012B		1	680471	P684	ELLE	08/02/25 00:18

Client Sample ID: 16MW9 — Lab Sample ID: 410-234898-3

Date Collected: 07/30/25 13:15 — **Matrix: Water**
Date Received: 07/31/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	681517	N7YK	ELLE	08/06/25 19:57
Total/NA	Analysis	8260D	DL	10	681517	N7YK	ELLE	08/06/25 20:19
Total/NA	Analysis	8260D		1	681349	TQ4J	ELLE	08/06/25 13:36
Total/NA	Prep	3510C			681385	XU9L	ELLE	08/06/25 07:35
Total/NA	Analysis	8270E		1	682061	RN6U	ELLE	08/07/25 16:16
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	685231	I9IN	ELLE	08/13/25 19:12

Lab Chronicle

Client: TRC, Engineers, Inc.
Job ID: 410-234898-1
Project/Site: RFAAP, Radford HWMU16

Client Sample ID: 16MW9
Lab Sample ID: 410-234898-3
Date Collected: 07/30/25 13:15
Matrix: Water
Date Received: 07/31/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	684622	I9IN	ELLE	08/12/25 23:28
Total/NA	Prep	7470A			682634	UJL8	ELLE	08/12/25 05:25
Total/NA	Analysis	7470A		1	684585	IJ3I	ELLE	08/12/25 20:06
Total/NA	Prep	9012B			679503	NLE3	ELLE	08/01/25 13:24 - 08/01/25 15:09 [1]
Total/NA	Analysis	9012B		1	680471	P684	ELLE	08/02/25 00:23

Client Sample ID: 16WC1A
Lab Sample ID: 410-234898-4
Date Collected: 07/30/25 11:05
Matrix: Water
Date Received: 07/31/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	681517	N7YK	ELLE	08/06/25 14:45
Total/NA	Analysis	8260D		1	681349	TQ4J	ELLE	08/06/25 13:56
Total/NA	Prep	3510C	RE		683371	T9CY	ELLE	08/10/25 16:20
Total/NA	Analysis	8270E	RE	1	683977	W6ZA	ELLE	08/12/25 04:38
Total/NA	Prep	3510C			681385	XU9L	ELLE	08/06/25 07:35
Total/NA	Analysis	8270E		1	682061	RN6U	ELLE	08/07/25 16:36
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	685231	I9IN	ELLE	08/13/25 19:03
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	684622	I9IN	ELLE	08/12/25 23:20
Total/NA	Prep	7470A			682634	UJL8	ELLE	08/12/25 05:25
Total/NA	Analysis	7470A		1	684585	IJ3I	ELLE	08/12/25 19:33
Total/NA	Prep	9012B			680915	NLE3	ELLE	08/05/25 13:00 - 08/05/25 14:45 [1]
Total/NA	Analysis	9012B		1	681521	P684	ELLE	08/05/25 23:37

Client Sample ID: 16WDUP
Lab Sample ID: 410-234898-5
Date Collected: 07/30/25 09:25
Matrix: Water
Date Received: 07/31/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	681517	N7YK	ELLE	08/06/25 16:37
Total/NA	Analysis	8260D		1	681349	TQ4J	ELLE	08/06/25 14:57
Total/NA	Prep	3510C	RE		683371	T9CY	ELLE	08/10/25 16:20
Total/NA	Analysis	8270E	RE	1	683977	W6ZA	ELLE	08/12/25 04:59
Total/NA	Prep	3510C			681385	XU9L	ELLE	08/06/25 07:35
Total/NA	Analysis	8270E		1	682061	RN6U	ELLE	08/07/25 17:37
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	685231	I9IN	ELLE	08/13/25 19:37
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	684622	I9IN	ELLE	08/12/25 23:52
Total/NA	Prep	7470A			682638	RFN5	ELLE	08/12/25 10:26
Total/NA	Analysis	7470A		1	686532	X3ZX	ELLE	08/16/25 15:37

Client Sample ID: 16WDUP — Lab Sample ID: 410-234898-5

Date Collected: 07/30/25 09:25 — **Matrix: Water**
Date Received: 07/31/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	9012B			679503	NLE3	ELLE	08/01/25 13:24 - 08/01/25 15:09 [1]
Total/NA	Analysis	9012B		1	680471	P684	ELLE	08/02/25 00:25

Client Sample ID: 16WC1B — Lab Sample ID: 410-234898-6

Date Collected: 07/30/25 09:45 — **Matrix: Water**
Date Received: 07/31/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	681517	N7YK	ELLE	08/06/25 16:59
Total/NA	Analysis	8260D		1	681349	TQ4J	ELLE	08/06/25 15:18
Total/NA	Prep	3510C			681385	XU9L	ELLE	08/06/25 07:35
Total/NA	Analysis	8270E		1	682464	W6ZA	ELLE	08/08/25 01:23
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	685231	I9IN	ELLE	08/13/25 19:33
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	684622	I9IN	ELLE	08/12/25 23:48
Total/NA	Prep	7470A			682638	RFN5	ELLE	08/12/25 10:26
Total/NA	Analysis	7470A		1	686532	X3ZX	ELLE	08/16/25 15:33
Total/NA	Prep	9012B			679503	NLE3	ELLE	08/01/25 13:24 - 08/01/25 15:09 [1]
Total/NA	Analysis	9012B		1	680471	P684	ELLE	08/02/25 00:26

Client Sample ID: Trip Blank 1 — Lab Sample ID: 410-234898-12

Date Collected: 07/29/25 00:00 — **Matrix: Water**
Date Received: 07/31/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	681517	N7YK	ELLE	08/06/25 13:16
Total/NA	Analysis	8260D		1	681349	TQ4J	ELLE	08/06/25 10:52

Client Sample ID: Trip Blank 2 — Lab Sample ID: 410-234898-13

Date Collected: 07/29/25 00:00 — **Matrix: Water**
Date Received: 07/31/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	681517	N7YK	ELLE	08/06/25 13:38
Total/NA	Analysis	8260D		1	681349	TQ4J	ELLE	08/06/25 11:12

Client Sample ID: Trip Blank 3 — Lab Sample ID: 410-234898-14

Date Collected: 07/29/25 00:00 — **Matrix: Water**
Date Received: 07/31/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	681517	N7YK	ELLE	08/06/25 14:00
Total/NA	Analysis	8260D		1	681349	TQ4J	ELLE	08/06/25 11:33

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Lab Chronicle

Client: TRC, Engineers, Inc. Job ID: 410-234898-1
Project/Site: RFAAP, Radford HWMU16

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: TRC, Engineers, Inc. Job ID: 410-234898-1
Project/Site: RFAAP, Radford HWMU16

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Virginia	NELAP	460182	09-14-25

Method Summary

Client: TRC, Engineers, Inc.
Job ID: 410-234898-1
Project/Site: RFAAP, Radford HWMU16

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
7470A	Mercury (CVAA)	SW846	ELLE
9012B	Cyanide, Total andor Amenable	SW846	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE
7470A	Preparation, Mercury	SW846	ELLE
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	ELLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: TRC, Engineers, Inc.
Job ID: 410-234898-1
Project/Site: RFAAP, Radford HWMU16

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-234898-1	16C1	Water	07/30/25 14:20	07/31/25 09:20	Virginia
410-234898-2	16MW8	Water	07/29/25 11:20	07/31/25 09:20	Virginia
410-234898-3	16MW9	Water	07/30/25 13:15	07/31/25 09:20	Virginia
410-234898-4	16WC1A	Water	07/30/25 11:05	07/31/25 09:20	Virginia
410-234898-5	16WDUP	Water	07/30/25 09:25	07/31/25 09:20	Virginia
410-234898-6	16WC1B	Water	07/30/25 09:45	07/31/25 09:20	Virginia
410-234898-12	Trip Blank 1	Water	07/29/25 00:00	07/31/25 09:20	Virginia
410-234898-13	Trip Blank 2	Water	07/29/25 00:00	07/31/25 09:20	Virginia
410-234898-14	Trip Blank 3	Water	07/29/25 00:00	07/31/25 09:20	Virginia

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 652703

Lab Sample ID: IC 410-652703/3 Client Sample ID:

Date Analyzed: 06/04/25 17:23 Lab File ID: CU04X02.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dimethyl ether	1.80	Incomplete Integration	DVW2	06/05/25 11:04
Acetonitrile	3.41	Incomplete Integration	DVW2	06/05/25 11:04

Lab Sample ID: IC 410-652703/4 Client Sample ID:

Date Analyzed: 06/04/25 17:46 Lab File ID: CU04X03.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.50	Peak assignment corrected	DVW2	06/05/25 11:04

Lab Sample ID: IC 410-652703/5 Client Sample ID:

Date Analyzed: 06/04/25 18:08 Lab File ID: CU04X04.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dimethyl ether	1.81	Other	UKEK	06/06/25 08:38

Lab Sample ID: IC 410-652703/6 Client Sample ID:

Date Analyzed: 06/04/25 18:30 Lab File ID: CU04X05.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.46	Incomplete Integration	DVW2	06/05/25 11:03

Lab Sample ID: IC 410-652703/7 Client Sample ID:

Date Analyzed: 06/04/25 18:53 Lab File ID: CU04X06.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.45	Incomplete Integration	DVW2	06/05/25 11:03

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 652703

Lab Sample ID: IC 410-652703/8 Client Sample ID:

Date Analyzed: 06/04/25 19:15 Lab File ID: CU04X07.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.45	Incomplete Integration	DVW2	06/05/25 11:02

Lab Sample ID: IC 410-652703/9 Client Sample ID:

Date Analyzed: 06/04/25 19:37 Lab File ID: CU04X08.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.48	Incomplete Integration	DVW2	06/05/25 11:02

Lab Sample ID: IC 410-652703/13 Client Sample ID:

Date Analyzed: 06/04/25 21:06 Lab File ID: CU04X12.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.02	Incomplete Integration	DVW2	06/05/25 10:54
Bromomethane	2.35	Incomplete Integration	DVW2	06/05/25 10:54
Dichlorofluoromethane	2.57	Incomplete Integration	DVW2	06/05/25 10:55
Trichlorofluoromethane	2.68	Incomplete Integration	DVW2	06/05/25 10:55
Methyl iodide	3.26	Incomplete Integration	DVW2	06/05/25 10:55
Carbon disulfide	3.35	Other	UKEK	06/06/25 08:15
Methyl acetate	3.46	Incomplete Integration	DVW2	06/05/25 10:56
Allyl chloride	3.49	Peak assignment corrected	DVW2	06/05/25 10:56
t-Butyl alcohol	3.75	Incomplete Integration	DVW2	06/05/25 11:13
Tetrahydrofuran	5.87	Incomplete Integration	DVW2	06/05/25 10:57
t-Amyl methyl ether	6.92	Incomplete Integration	DVW2	06/05/25 10:57
n-Butanol	7.63	Incomplete Integration	DVW2	06/05/25 10:57
1,4-Dioxane	8.09	Incomplete Integration	DVW2	06/05/25 10:57

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 652703

Lab Sample ID: IC 410-652703/14 Client Sample ID:

Date Analyzed: 06/04/25 21:28 Lab File ID: CU04X13.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.03	Incomplete Integration	DVW2	06/05/25 10:52
Bromomethane	2.35	Incomplete Integration	DVW2	06/05/25 10:52
Dichlorofluoromethane	2.65	Incomplete Integration	DVW2	06/05/25 10:52
Carbon disulfide	3.35	Other	UKEK	06/06/25 08:13
t-Butyl alcohol	3.77	Other	UKEK	06/06/25 08:14
Tetrahydrofuran	5.86	Incomplete Integration	DVW2	06/05/25 10:53
Bromochloromethane	5.87	Peak assignment corrected	DVW2	06/05/25 10:53
Isobutyl alcohol	6.66	Incomplete Integration	DVW2	06/05/25 10:53
1,4-Dioxane	8.10	Incomplete Integration	DVW2	06/05/25 10:53

Lab Sample ID: IC 410-652703/15 Client Sample ID:

Date Analyzed: 06/04/25 21:51 Lab File ID: CU04X14.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.34	Incomplete Integration	DVW2	06/05/25 10:50
Dichlorofluoromethane	2.63	Incomplete Integration	DVW2	06/05/25 10:51
Trichlorofluoromethane	2.67	Incomplete Integration	DVW2	06/05/25 10:51
Carbon disulfide	3.34	Other	UKEK	06/06/25 08:12
Allyl chloride	3.49	Peak assignment corrected	DVW2	06/05/25 10:51
t-Butyl alcohol	3.76	Incomplete Integration	DVW2	06/05/25 11:13
1,4-Dioxane	8.08	Incomplete Integration	DVW2	06/05/25 10:51

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 652703

Lab Sample ID: IC 410-652703/16 Client Sample ID:

Date Analyzed: 06/04/25 22:13 Lab File ID: CU04X15.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.02	Incomplete Integration	DVW2	06/05/25 10:48
Bromomethane	2.35	Incomplete Integration	DVW2	06/05/25 10:48
Dichlorofluoromethane	2.63	Incomplete Integration	DVW2	06/05/25 10:48
Acrolein	2.98	Incomplete Integration	DVW2	06/05/25 10:49
Carbon disulfide	3.35	Other	UKEK	06/06/25 08:10
t-Butyl alcohol	3.77	Other	UKEK	06/06/25 08:11
Acrylonitrile	3.97	Incomplete Integration	DVW2	06/05/25 10:49
1,2-Dichloroethane	6.80	Other	UKEK	06/06/25 08:22
n-Butanol	7.58	Incomplete Integration	DVW2	06/05/25 10:50
1,4-Dioxane	8.08	Incomplete Integration	DVW2	06/05/25 10:50

Lab Sample ID: IC 410-652703/17 Client Sample ID:

Date Analyzed: 06/04/25 22:35 Lab File ID: CU04X16.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorofluoromethane	2.63	Incomplete Integration	DVW2	06/05/25 10:46
Acrolein	2.98	Incomplete Integration	DVW2	06/05/25 10:47
Carbon disulfide	3.35	Incomplete Integration	DVW2	06/05/25 10:47
Methyl acetate	3.48	Incomplete Integration	DVW2	06/05/25 10:47
1,2-Dichloroethane	6.80	Other	UKEK	06/06/25 08:23
1,4-Dioxane	8.07	Incomplete Integration	DVW2	06/05/25 10:48

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 652703

Lab Sample ID: ICIS 410-652703/18 Client Sample ID:

Date Analyzed: 06/04/25 22:57 Lab File ID: CU04X17.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.03	Incomplete Integration	DVW2	06/05/25 10:37
Dichlorofluoromethane	2.63	Incomplete Integration	DVW2	06/05/25 10:37
Carbon disulfide	3.35	Other	UKEK	06/06/25 08:09
Methyl acetate	3.47	Incomplete Integration	DVW2	06/05/25 10:39
1,4-Dioxane	8.07	Incomplete Integration	DVW2	06/05/25 10:42

Lab Sample ID: IC 410-652703/19 Client Sample ID:

Date Analyzed: 06/04/25 23:20 Lab File ID: CU04X18.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorofluoromethane	2.63	Incomplete Integration	DVW2	06/05/25 10:44
Trichlorofluoromethane	2.67	Other	UKEK	06/06/25 08:07
Carbon disulfide	3.34	Incomplete Integration	DVW2	06/05/25 10:45
Methyl acetate	3.46	Incomplete Integration	DVW2	06/05/25 10:45
Allyl chloride	3.49	Peak assignment corrected	DVW2	06/05/25 10:45
1,2-Dichloroethane	6.80	Other	UKEK	06/06/25 08:27
1,4-Dioxane	8.07	Other	UKEK	06/06/25 08:32

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 652703

Lab Sample ID: ICV 410-652703/21 Client Sample ID:

Date Analyzed: 06/05/25 00:04 Lab File ID: CU04X20.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.35	Other	UKEK	06/06/25 08:04
Dichlorofluoromethane	2.63	Incomplete Integration	DVW2	06/05/25 10:58
Trichlorofluoromethane	2.68	Other	UKEK	06/06/25 08:03
Acrolein	2.98	Incomplete Integration	DVW2	06/05/25 10:59
Carbon disulfide	3.34	Other	UKEK	06/06/25 08:02
Methyl acetate	3.48	Incomplete Integration	DVW2	06/05/25 11:00
Allyl chloride	3.50	Peak assignment corrected	DVW2	06/05/25 11:01
1,4-Dioxane	8.08	Incomplete Integration	DVW2	06/05/25 11:01

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 681517

Lab Sample ID: CCVIS 410-681517/3 Client Sample ID:

Date Analyzed: 08/06/25 10:29 Lab File ID: CG06X02.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.33	Incomplete Integration	N7YK	08/06/25 12:32
Methyl acetate	3.46	Incomplete Integration	N7YK	08/06/25 12:32
1,4-Dioxane	8.07	Incomplete Integration	N7YK	08/06/25 12:32

Lab Sample ID: LCS 410-681517/5 Client Sample ID:

Date Analyzed: 08/06/25 11:14 Lab File ID: CG06X04.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.33	Incomplete Integration	N7YK	08/06/25 12:42
1,4-Dioxane	8.06	Incomplete Integration	N7YK	08/06/25 12:43

Lab Sample ID: 410-234898-13 Client Sample ID: Trip Blank 2

Date Analyzed: 08/06/25 13:38 Lab File ID: CG06X09.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dimethyl ether		Invalid Compound ID	FQ4L	08/07/25 08:58
m&p-Xylene	11.06	Incomplete Integration	FQ4L	08/07/25 08:59

Lab Sample ID: 410-234898-2 Client Sample ID: 16MW8

Date Analyzed: 08/06/25 14:23 Lab File ID: CG06X11.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzene	6.71	Peak assignment corrected	FQ4L	08/07/25 09:02
Chloroethane		Invalid Compound ID	FQ4L	08/07/25 09:02

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 681517

Lab Sample ID: 410-234898-4 Client Sample ID: 16WC1A

Date Analyzed: 08/06/25 14:45 Lab File ID: CG06X12.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrahydrofuran	5.85	Peak assignment corrected	FQ4L	08/07/25 09:22
Trichloroethene	7.62	Incomplete Integration	FQ4L	08/07/25 09:22
Dichlorodifluoromethane		Invalid Compound ID	FQ4L	08/07/25 09:02
Vinyl chloride		Invalid Compound ID	FQ4L	08/07/25 09:21

Lab Sample ID: 410-234898-4 MS Client Sample ID: 16WC1AMS MS

Date Analyzed: 08/06/25 15:07 Lab File ID: CG06X13.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.34	Incomplete Integration	FQ4L	08/07/25 09:20

Lab Sample ID: 410-234898-4 MSD Client Sample ID: 16WC1AMSD MSD

Date Analyzed: 08/06/25 15:30 Lab File ID: CG06X14.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.33	Incomplete Integration	FQ4L	08/07/25 09:17
1,4-Dioxane	8.07	Split Peak	FQ4L	08/07/25 09:17

Lab Sample ID: 410-234898-5 Client Sample ID: 16WDUP

Date Analyzed: 08/06/25 16:37 Lab File ID: CG06X17.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane		Invalid Compound ID	FQ4L	08/07/25 09:15

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 681517

Lab Sample ID: 410-234898-6 Client Sample ID: 16WC1B

Date Analyzed: 08/06/25 16:59 Lab File ID: CG06X18.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone		Invalid Compound ID	FQ4L	08/07/25 09:14
Chloromethane		Invalid Compound ID	FQ4L	08/07/25 09:14
Dimethyl ether		Invalid Compound ID	FQ4L	08/07/25 09:14

Lab Sample ID: 410-234898-1 Client Sample ID: 16C1

Date Analyzed: 08/06/25 19:12 Lab File ID: CG06X24.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	3.64	Incomplete Integration	FQ4L	08/07/25 09:10
1,1,1-Trichloroethane		Invalid Compound ID	FQ4L	08/07/25 09:11
2-Butanone		Invalid Compound ID	FQ4L	08/07/25 09:11
Acetone		Invalid Compound ID	FQ4L	08/07/25 09:10
Dichlorodifluoromethane		Invalid Compound ID	FQ4L	08/07/25 09:07
Vinyl chloride		Invalid Compound ID	FQ4L	08/07/25 09:08

Lab Sample ID: 410-234898-3 Client Sample ID: 16MW9

Date Analyzed: 08/06/25 19:57 Lab File ID: CG06X26.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
trans-1,2-Dichloroethene	3.99	Peak assignment corrected	FQ4L	08/07/25 09:05
Trichloroethene	7.63	Incomplete Integration	FQ4L	08/07/25 09:06
Tetrachloroethene	9.92	Incomplete Integration	FQ4L	08/07/25 09:06
1,2-Dichloroethane		Invalid Compound ID	FQ4L	08/07/25 09:05
Acetone		Invalid Compound ID	FQ4L	08/07/25 09:05
Vinyl chloride		Invalid Compound ID	FQ4L	08/07/25 09:04

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 26285 Analysis Batch Number: 609313

Lab Sample ID: IC 410-609313/12 Client Sample ID:

Date Analyzed: 02/24/25 19:07 Lab File ID: 5F24X11.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	1.85	Incomplete Integration	TQ4J	02/25/25 06:26
Freon 123a	2.74	Incomplete Integration	UCB5	02/27/25 11:37
Acetone	2.93	Incomplete Integration	TQ4J	02/25/25 06:27
Carbon disulfide	3.13	Shouldering	UCB5	02/27/25 11:38
Methylene Chloride	3.45	Incomplete Integration	TQ4J	02/25/25 06:27
t-Butyl alcohol	3.60	Incomplete Integration	UCB5	02/27/25 11:39
Isopropyl ether	4.46	Incomplete Integration	TQ4J	02/25/25 06:27
Chloroprene	4.52	Incomplete Integration	TQ4J	02/25/25 06:27
Ethyl t-butyl ether	5.05	Incomplete Integration	TQ4J	02/25/25 06:27
cis-1,2-Dichloroethene	5.31	Incomplete Integration	TQ4J	02/25/25 06:28
Methyl acrylate	5.43	Incomplete Integration	TQ4J	02/25/25 06:28
Carbon tetrachloride	6.26	Incomplete Integration	TQ4J	02/25/25 06:28
1,4-Dioxane		Incomplete Integration	TQ4J	02/25/25 06:28
2-Chlorotoluene	12.07	Incomplete Integration	UCB5	02/27/25 11:41
4-Chlorotoluene	12.16	Incomplete Integration	UCB5	02/27/25 11:41
1,4-Dichlorobenzene	12.73	Incomplete Integration	TQ4J	02/25/25 06:40
1,2,3-Trimethylbenzene	12.75	Incomplete Integration	TQ4J	02/25/25 06:29
Benzyl chloride	12.82	Incomplete Integration	TQ4J	02/25/25 06:41
1,3-Diethylbenzene	12.88	Incomplete Integration	TQ4J	02/25/25 06:41
1,4-Diethylbenzene	12.96	Incomplete Integration	TQ4J	02/25/25 06:42
1,2-Diethylbenzene	13.03	Incomplete Integration	TQ4J	02/25/25 06:42

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 26285 Analysis Batch Number: 609313

Lab Sample ID: IC 410-609313/13 Client Sample ID:

Date Analyzed: 02/24/25 19:27 Lab File ID: 5F24X12.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	1.84	Baseline	UCB5	02/27/25 11:44
Carbon disulfide	3.14	Shouldering	UCB5	02/27/25 11:45
1,4-Dioxane	7.93	Incomplete Integration	UCB5	02/27/25 11:45
2-Chlorotoluene	12.07	Missed Peak	UCB5	02/27/25 11:43
4-Chlorotoluene	12.17	Missed Peak	UCB5	02/27/25 11:43
1,3-Dichlorobenzene	12.66	Incomplete Integration	TQ4J	02/25/25 06:43
p-Isopropyltoluene	12.68	Incomplete Integration	TQ4J	02/25/25 06:33
1,4-Dichlorobenzene	12.74	Incomplete Integration	TQ4J	02/25/25 06:43
1,2,3-Trimethylbenzene	12.75	Incomplete Integration	TQ4J	02/25/25 06:43
Benzyl chloride	12.82	Incomplete Integration	TQ4J	02/25/25 06:43
1,3-Diethylbenzene	12.89	Incomplete Integration	TQ4J	02/25/25 06:43
1,4-Diethylbenzene	12.96	Incomplete Integration	TQ4J	02/25/25 06:43
1,2-Diethylbenzene	13.03	Incomplete Integration	TQ4J	02/25/25 06:44

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 26285 Analysis Batch Number: 609313

Lab Sample ID: IC 410-609313/14 Client Sample ID:

Date Analyzed: 02/24/25 19:47 Lab File ID: 5F24X13.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.14	Shouldering	UCB5	02/27/25 11:48
1,4-Dioxane	7.91	Incomplete Integration	UCB5	02/27/25 11:49
2-Chlorotoluene	12.07	Missed Peak	UCB5	02/27/25 11:47
4-Chlorotoluene	12.16	Wrong peak	UCB5	02/27/25 11:47
1,3-Dichlorobenzene	12.66	Incomplete Integration	TQ4J	02/25/25 06:45
p-Isopropyltoluene	12.68	Incomplete Integration	TQ4J	02/25/25 06:45
1,4-Dichlorobenzene	12.74	Incomplete Integration	TQ4J	02/25/25 06:45
1,2,3-Trimethylbenzene	12.75	Incomplete Integration	TQ4J	02/25/25 06:45
Benzyl chloride	12.82	Incomplete Integration	TQ4J	02/25/25 06:46
1,3-Diethylbenzene	12.88	Incomplete Integration	TQ4J	02/25/25 06:46
1,4-Diethylbenzene	12.96	Incomplete Integration	TQ4J	02/25/25 06:46
1,2-Diethylbenzene	13.04	Incomplete Integration	TQ4J	02/25/25 06:46

Lab Sample ID: IC 410-609313/15 Client Sample ID:

Date Analyzed: 02/24/25 20:08 Lab File ID: 5F24X14.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.13	Shouldering	UCB5	02/27/25 11:51
2-Chlorotoluene	12.07	Missed Peak	UCB5	02/27/25 11:50
4-Chlorotoluene	12.17	Incomplete Integration	TQ4J	02/25/25 06:51
1,3-Dichlorobenzene	12.66	Incomplete Integration	TQ4J	02/25/25 06:52
p-Isopropyltoluene	12.68	Incomplete Integration	TQ4J	02/25/25 06:52
1,4-Dichlorobenzene	12.73	Incomplete Integration	TQ4J	02/25/25 06:52
1,2,3-Trimethylbenzene	12.75	Incomplete Integration	TQ4J	02/25/25 06:52
Benzyl chloride	12.82	Incomplete Integration	TQ4J	02/25/25 06:52
1,3-Diethylbenzene	12.88	Incomplete Integration	TQ4J	02/25/25 06:53
1,4-Diethylbenzene	12.96	Incomplete Integration	TQ4J	02/25/25 06:53
1,2-Diethylbenzene	13.04	Incomplete Integration	TQ4J	02/25/25 06:53

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 26285 Analysis Batch Number: 609313

Lab Sample ID: ICIS 410-609313/16 Client Sample ID:

Date Analyzed: 02/24/25 20:28 Lab File ID: 5F24X15.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.14	Incomplete Integration	UCB5	02/27/25 11:54
t-Butyl alcohol	3.65	Shouldering	UCB5	02/27/25 11:55
2-Chlorotoluene	12.07	Missed Peak	UCB5	02/27/25 11:53
4-Chlorotoluene	12.17	Incomplete Integration	TQ4J	02/25/25 06:54
1,3-Dichlorobenzene	12.66	Incomplete Integration	TQ4J	02/25/25 06:56
p-Isopropyltoluene	12.68	Incomplete Integration	TQ4J	02/25/25 06:56
1,4-Dichlorobenzene	12.74	Incomplete Integration	TQ4J	02/25/25 06:57
Benzyl chloride	12.82	Incomplete Integration	TQ4J	02/25/25 06:57
1,3-Diethylbenzene	12.88	Incomplete Integration	TQ4J	02/25/25 06:57
1,4-Diethylbenzene	12.96	Incomplete Integration	TQ4J	02/25/25 06:57
1,2-Diethylbenzene	13.03	Incomplete Integration	TQ4J	02/25/25 06:57
Hexachlorobutadiene	14.22	Incomplete Integration	TQ4J	02/25/25 07:14

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 26285 Analysis Batch Number: 609313

Lab Sample ID: IC 410-609313/17 Client Sample ID:

Date Analyzed: 02/24/25 20:48 Lab File ID: 5F24X16.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.14	Shouldering	UCB5	02/27/25 11:57
t-Butyl alcohol	3.64	Shouldering	UCB5	02/27/25 11:58
2-Chlorotoluene	12.07	Missed Peak	UCB5	02/27/25 11:56
4-Chlorotoluene	12.17	Incomplete Integration	TQ4J	02/25/25 06:59
1,3-Dichlorobenzene	12.66	Incomplete Integration	TQ4J	02/25/25 07:00
p-Isopropyltoluene	12.68	Incomplete Integration	TQ4J	02/25/25 07:00
1,4-Dichlorobenzene	12.74	Incomplete Integration	TQ4J	02/25/25 07:00
Benzyl chloride	12.82	Incomplete Integration	TQ4J	02/25/25 07:00
1,3-Diethylbenzene	12.89	Incomplete Integration	TQ4J	02/25/25 07:00
1,4-Diethylbenzene	12.96	Incomplete Integration	TQ4J	02/25/25 07:01
1,2-Diethylbenzene	13.04	Incomplete Integration	TQ4J	02/25/25 07:01
Hexachlorobutadiene	14.22	Incomplete Integration	TQ4J	02/25/25 07:14

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 26285 Analysis Batch Number: 609313

Lab Sample ID: IC 410-609313/18 Client Sample ID:

Date Analyzed: 02/24/25 21:09 Lab File ID: 5F24X17.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	1.88	Incomplete Integration	TQ4J	02/25/25 07:05
Carbon disulfide	3.21	Incomplete Integration	UCB5	02/27/25 12:02
2-Chlorotoluene	12.07	Missed Peak	UCB5	02/27/25 12:00
4-Chlorotoluene	12.17	Incomplete Integration	TQ4J	02/25/25 07:03
1,3-Dichlorobenzene	12.66	Incomplete Integration	TQ4J	02/25/25 07:04
p-Isopropyltoluene	12.68	Incomplete Integration	TQ4J	02/25/25 07:04
1,4-Dichlorobenzene	12.74	Incomplete Integration	TQ4J	02/25/25 07:04
Benzyl chloride	12.82	Incomplete Integration	TQ4J	02/25/25 07:04
1,3-Diethylbenzene	12.89	Incomplete Integration	TQ4J	02/25/25 07:04
1,4-Diethylbenzene	12.96	Incomplete Integration	TQ4J	02/25/25 07:04
1,2-Diethylbenzene	13.04	Incomplete Integration	TQ4J	02/25/25 07:05
Hexachlorobutadiene	14.22	Incomplete Integration	TQ4J	02/25/25 07:15

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 26285 Analysis Batch Number: 647030

Lab Sample ID: ICV 410-647030/10 Client Sample ID:

Date Analyzed: 05/21/25 18:33 Lab File ID: 5Y21X09.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl acetate	4.40	Peak assignment corrected	JS6E	05/22/25 02:29
2,3,4-Trichlorobutene	12.18	Peak assignment corrected	JS6E	05/22/25 02:29
Pentachloroethane	12.40	Peak assignment corrected	DVW2	05/22/25 08:38

Lab Sample ID: IC 410-647030/12 Client Sample ID:

Date Analyzed: 05/21/25 19:14 Lab File ID: 5Y21X11.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	1.84	Incomplete Integration	JS6E	05/22/25 01:36
Dichlorofluoromethane	2.37	Incomplete Integration	JS6E	05/22/25 01:36
n-Pentane	2.44	Incomplete Integration	JS6E	05/22/25 01:37
2-Propanol	3.08	Incomplete Integration	JS6E	05/22/25 01:37
t-Butyl alcohol	3.64	Incomplete Integration	JS6E	05/22/25 01:37
cis-1,2-Dichloroethene	5.27	Peak assignment corrected	JS6E	05/22/25 01:37
Propionitrile	5.37	Incomplete Integration	JS6E	05/22/25 01:37
Tetrahydrofuran	5.64	Peak assignment corrected	JS6E	05/22/25 01:38
Dibromomethane	7.90	Peak assignment corrected	JS6E	05/22/25 01:38
Methyl methacrylate	7.90	Incomplete Integration	JS6E	05/22/25 01:38
2-Chlorotoluene	12.05	Peak assignment corrected	JS6E	05/22/25 02:06
2-Methylnaphthalene	15.05	Peak assignment corrected	JS6E	05/22/25 02:08

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 26285 Analysis Batch Number: 647030

Lab Sample ID: IC 410-647030/13 Client Sample ID:

Date Analyzed: 05/21/25 19:35 Lab File ID: 5Y21X12.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	2.92	Incomplete Integration	JS6E	05/22/25 01:35
Chloroprene	4.52	Peak assignment corrected	JS6E	05/22/25 01:35
2-Chlorotoluene	12.05	Peak assignment corrected	JS6E	05/22/25 02:06
2-Methylnaphthalene	15.05	Peak assignment corrected	JS6E	05/22/25 02:08

Lab Sample ID: IC 410-647030/14 Client Sample ID:

Date Analyzed: 05/21/25 19:55 Lab File ID: 5Y21X13.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.13	Incomplete Integration	JS6E	05/22/25 01:33
Trichloroethene	7.44	Peak assignment corrected	JS6E	05/22/25 01:34
2-Chlorotoluene	12.05	Peak assignment corrected	JS6E	05/22/25 02:06
2-Methylnaphthalene	15.05	Peak assignment corrected	JS6E	05/22/25 02:08

Lab Sample ID: IC 410-647030/15 Client Sample ID:

Date Analyzed: 05/21/25 20:15 Lab File ID: 5Y21X14.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chlorotoluene	12.05	Peak assignment corrected	JS6E	05/22/25 02:06
2-Methylnaphthalene	15.05	Peak assignment corrected	JS6E	05/22/25 02:07

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 26285 Analysis Batch Number: 647030

Lab Sample ID: ICIS 410-647030/16 Client Sample ID:

Date Analyzed: 05/21/25 20:36 Lab File ID: 5Y21X15.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.13	Split Peak	JS6E	05/22/25 01:16
4-Chlorotoluene	12.15	Peak assignment corrected	JS6E	05/22/25 01:28
1,4-Dichlorobenzene	12.72	Peak assignment corrected	JS6E	05/22/25 01:18
1,2,3-Trimethylbenzene	12.73	Peak assignment corrected	JS6E	05/22/25 01:19
Benzyl chloride	12.80	Peak assignment corrected	JS6E	05/22/25 01:19
1,3-Diethylbenzene	12.87	Peak assignment corrected	JS6E	05/22/25 01:18
1,4-Diethylbenzene	12.94	Peak assignment corrected	JS6E	05/22/25 01:18
1,2-Diethylbenzene	13.02	Peak assignment corrected	JS6E	05/22/25 01:18
Hexachlorobutadiene	14.20	Peak assignment corrected	JS6E	05/22/25 01:20
2-Methylnaphthalene	15.05	Peak assignment corrected	JS6E	05/22/25 02:07

Lab Sample ID: IC 410-647030/17 Client Sample ID:

Date Analyzed: 05/21/25 20:56 Lab File ID: 5Y21X16.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.12	Incomplete Integration	JS6E	05/22/25 01:25
2-Chlorotoluene	12.05	Peak assignment corrected	JS6E	05/22/25 02:05
4-Chlorotoluene	12.15	Peak assignment corrected	JS6E	05/22/25 01:29
2-Methylnaphthalene	15.05	Peak assignment corrected	JS6E	05/22/25 02:07

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 26285 Analysis Batch Number: 647030

Lab Sample ID: IC 410-647030/18 Client Sample ID:

Date Analyzed: 05/21/25 21:16 Lab File ID: 5Y21X17.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.13	Incomplete Integration	JS6E	05/22/25 01:25
2-Chlorotoluene	12.05	Peak assignment corrected	JS6E	05/22/25 02:05
4-Chlorotoluene	12.15	Peak assignment corrected	JS6E	05/22/25 01:29
2-Methylnaphthalene	15.05	Peak assignment corrected	JS6E	05/22/25 02:07

Lab Sample ID: ICV 410-647030/20 Client Sample ID:

Date Analyzed: 05/21/25 21:57 Lab File ID: 5Y21X19.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chlorotoluene	12.05	Peak assignment corrected	JS6E	05/22/25 02:30
2-Methylnaphthalene	15.05	Peak assignment corrected	JS6E	05/22/25 02:30

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP19760 Analysis Batch Number: 662998

Lab Sample ID: ICIS 410-662998/2 Client Sample ID:

Date Analyzed: 06/25/25 23:30 Lab File ID: DF2551.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene-d8 (IS)	5.17	Peak assignment corrected	N5QU	06/26/25 02:11
a-Terpineol	5.21	Peak assignment corrected	N5QU	06/26/25 02:12
4-Chloro-3-methylphenol	5.74	Peak assignment corrected	N5QU	06/26/25 02:12
2-Methylnaphthalene	5.85	Peak assignment corrected	N5QU	06/26/25 02:12
1-Methylnaphthalene	5.94	Peak assignment corrected	N5QU	06/26/25 02:12
5-Nitro-o-toluidine	7.38	Peak assignment corrected	N5QU	06/26/25 02:13
4,6-Dinitro-2-methylphenol	7.42	Peak assignment corrected	N5QU	06/26/25 02:13
1,2-Diphenylhydrazine	7.52	Peak assignment corrected	N5QU	06/26/25 02:13
cis-Diallate	7.76	Peak assignment corrected	N5QU	06/26/25 02:13
Phorate	7.77	Peak assignment corrected	N5QU	06/26/25 02:13
trans-Diallate	7.84	Peak assignment corrected	N5QU	06/26/25 02:13
Dimethoate	7.92	Peak assignment corrected	N5QU	06/26/25 02:13
Atrazine	8.01	Peak assignment corrected	N5QU	06/26/25 02:13
Phenanthrene-d10 (IS)	8.24	Peak assignment corrected	N5QU	06/26/25 02:11
Phenanthrene	8.26	Peak assignment corrected	N5QU	06/26/25 02:13
Anthracene	8.31	Peak assignment corrected	N5QU	06/26/25 02:13
Isodrin	9.24	Peak assignment corrected	N5QU	06/26/25 02:14
Fluoranthene	9.38	Peak assignment corrected	N5QU	06/26/25 02:14
Pyrene	9.59	Peak assignment corrected	N5QU	06/26/25 02:14

Lab Sample ID: IC 410-662998/3 Client Sample ID:

Date Analyzed: 06/25/25 23:57 Lab File ID: DF2552.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	5.59	Peak assignment corrected	W6ZA	06/26/25 07:05
2-Chloronaphthalene	6.32	Incomplete Integration	W6ZA	06/26/25 07:06
1-Chloronaphthalene	6.33	Incomplete Integration	W6ZA	06/26/25 07:06
Benzo[a]pyrene	12.45	Incomplete Integration	W6ZA	06/26/25 07:06

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP19760 Analysis Batch Number: 662998

Lab Sample ID: IC 410-662998/5 Client Sample ID:

Date Analyzed: 06/26/25 00:39 Lab File ID: DF2554.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chloronaphthalene	6.31	Incomplete Integration	W6ZA	06/26/25 07:24
1-Chloronaphthalene	6.33	Incomplete Integration	W6ZA	06/26/25 07:24

Lab Sample ID: IC 410-662998/6 Client Sample ID:

Date Analyzed: 06/26/25 00:59 Lab File ID: DF2555.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chloronaphthalene	6.31	Incomplete Integration	W6ZA	06/26/25 07:25
1-Chloronaphthalene	6.33	Incomplete Integration	W6ZA	06/26/25 07:25

Lab Sample ID: IC 410-662998/7 Client Sample ID:

Date Analyzed: 06/26/25 01:20 Lab File ID: DF2556.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N,N-dimethylformamide	1.96	Incomplete Integration	W6ZA	06/26/25 07:26
2-Chloronaphthalene	6.31	Incomplete Integration	W6ZA	06/26/25 07:26
1-Chloronaphthalene	6.33	Incomplete Integration	W6ZA	06/26/25 07:27

Lab Sample ID: IC 410-662998/8 Client Sample ID:

Date Analyzed: 06/26/25 01:41 Lab File ID: DF2557.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N,N-dimethylformamide	2.02	Incomplete Integration	W6ZA	06/26/25 07:28
Isosafrole Peak 1	6.06	Peak assignment corrected	W6ZA	06/26/25 07:28
2-Chloronaphthalene	6.31	Incomplete Integration	W6ZA	06/26/25 07:28
1-Chloronaphthalene	6.33	Incomplete Integration	W6ZA	06/26/25 07:28
Disulfoton	8.26	Peak assignment corrected	W6ZA	06/26/25 07:29

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP19760 Analysis Batch Number: 662998

Lab Sample ID: IC 410-662998/9 Client Sample ID:

Date Analyzed: 06/26/25 02:03 Lab File ID: DF2558.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N,N-dimethylformamide	2.06	Incomplete Integration	W6ZA	06/26/25 07:30
Isosafrole Peak 1	6.05	Peak assignment corrected	W6ZA	06/26/25 07:30
2-Chloronaphthalene	6.31	Incomplete Integration	W6ZA	06/26/25 07:30
1-Chloronaphthalene	6.33	Incomplete Integration	W6ZA	06/26/25 07:30
trans-Diallate	7.85	Incomplete Integration	W6ZA	06/26/25 07:31
Disulfoton	8.26	Peak assignment corrected	W6ZA	06/26/25 07:31

Lab Sample ID: ICV 410-662998/12 Client Sample ID:

Date Analyzed: 06/26/25 03:14 Lab File ID: DF2561.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3,5-Trinitrobenzene	7.76	Peak assignment corrected	W6ZA	06/26/25 07:36
1,4-phenylenediamine		Peak assignment corrected	W6ZA	06/26/25 08:25
Hexachlorocyclopentadiene		Peak assignment corrected	W6ZA	06/26/25 08:25

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP19760 Analysis Batch Number: 682464

Lab Sample ID: 410-234898-6 Client Sample ID: 16WC1B

Date Analyzed: 08/08/25 01:23 Lab File ID: DH0765.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]pyrene		Invalid Compound ID	W6ZA	08/08/25 15:42
Nitrobenzene		Invalid Compound ID	W6ZA	08/08/25 15:42

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP19760 Analysis Batch Number: 683977

Lab Sample ID: CCVIS 410-683977/2 Client Sample ID:

Date Analyzed: 08/11/25 19:50 Lab File ID: DH1151.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chloronaphthalene	6.22	Split Peak	RN6U	08/11/25 20:16
1-Chloronaphthalene	6.24	Split Peak	RN6U	08/11/25 20:16

Lab Sample ID: MB 410-683371/1-A Client Sample ID:

Date Analyzed: 08/11/25 22:21 Lab File ID: DH1155.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol-d5 (Surr)	3.52	Incomplete Integration	W6ZA	08/12/25 13:40
Nitrobenzene		Invalid Compound ID	W6ZA	08/12/25 13:40
n-Nitrosodiphenylamine(as diphenylamine)		Invalid Compound ID	W6ZA	08/12/25 13:40

Lab Sample ID: LCS 410-683371/3-A Client Sample ID:

Date Analyzed: 08/11/25 23:03 Lab File ID: DH1157.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Kepone	10.24	Incomplete Integration	W6ZA	08/12/25 13:42

Lab Sample ID: LCSD 410-683371/4-A Client Sample ID:

Date Analyzed: 08/11/25 23:24 Lab File ID: DH1158.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Kepone	10.23	Incomplete Integration	W6ZA	08/12/25 13:43

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP19760 Analysis Batch Number: 683977

Lab Sample ID: 410-234898-4 RE Client Sample ID: 16WC1A RE

Date Analyzed: 08/12/25 04:38 Lab File ID: DH1173.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]pyrene		Invalid Compound ID	W6ZA	08/12/25 13:50
cis-Diallate		Invalid Compound ID	W6ZA	08/12/25 13:50
Nitrobenzene		Invalid Compound ID	W6ZA	08/12/25 13:50
Pentachlorophenol		Invalid Compound ID	W6ZA	08/12/25 13:50

Lab Sample ID: 410-234898-5 RE Client Sample ID: 16WDUP RE

Date Analyzed: 08/12/25 04:59 Lab File ID: DH1174.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]anthracene		Invalid Compound ID	W6ZA	08/12/25 13:51
Benzo[a]pyrene		Invalid Compound ID	W6ZA	08/12/25 13:51
Benzo[g,h,i]perylene		Invalid Compound ID	W6ZA	08/12/25 13:51
Benzo[k]fluoranthene		Incomplete Integration	W6ZA	08/12/25 13:51
Chrysene		Invalid Compound ID	W6ZA	08/12/25 13:51
cis-Diallate		Invalid Compound ID	W6ZA	08/12/25 13:51
Dibenz(a,h)anthracene		Invalid Compound ID	W6ZA	08/12/25 13:51
Indeno[1,2,3-cd]pyrene		Invalid Compound ID	W6ZA	08/12/25 13:51
Isodrin		Invalid Compound ID	W6ZA	08/12/25 13:51
Nitrobenzene		Invalid Compound ID	W6ZA	08/12/25 13:51
Pentachlorophenol		Invalid Compound ID	W6ZA	08/12/25 13:51
Phenanthrene		Invalid Compound ID	W6ZA	08/12/25 13:51
Benzo[b]fluoranthene	11.91	Incomplete Integration	W6ZA	08/12/25 13:51

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 630243

Lab Sample ID: IC 410-630243/4 Client Sample ID:

Date Analyzed: 04/14/25 12:24 Lab File ID: JD1404.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chloronaphthalene	6.81	Split Peak	N5QU	04/14/25 15:21
1-Chloronaphthalene	6.82	Split Peak	N5QU	04/14/25 15:21

Lab Sample ID: IC 410-630243/6 Client Sample ID:

Date Analyzed: 04/14/25 13:07 Lab File ID: JD1406.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]pyrene	13.28	Split Peak	N5QU	04/14/25 15:26

Lab Sample ID: IC 410-630243/7 Client Sample ID:

Date Analyzed: 04/14/25 13:28 Lab File ID: JD1407.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N,N-dimethylformamide	2.44	Split Peak	N5QU	04/14/25 15:27

Lab Sample ID: IC 410-630243/8 Client Sample ID:

Date Analyzed: 04/14/25 13:50 Lab File ID: JD1408.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Picoline	2.70	Split Peak	N5QU	04/14/25 15:30
N-Nitrosodiethylamine	3.40	Split Peak	N5QU	04/14/25 15:30
2-Nitrophenol	5.30	Peak assignment corrected	N5QU	04/14/25 15:31
Isosafrole Peak 1	6.54	Peak assignment corrected	N5QU	04/14/25 15:31
1,3,5-Trinitrobenzene	8.23	Peak assignment corrected	N5QU	04/14/25 15:32
4-Bromophenyl-phenylether	8.33	Split Peak	N5QU	04/14/25 15:32
trans-Diallate	8.33	Split Peak	N5QU	04/14/25 15:32
N,N-dimethylformamide		Invalid Compound ID	N5QU	04/14/25 15:29

8270E

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 630243

Lab Sample ID: IC 410-630243/9 Client Sample ID:

Date Analyzed: 04/14/25 14:11 Lab File ID: JD1409.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isosafrole Peak 1	6.53	Peak assignment corrected	N5QU	04/14/25 15:35
3-Nitroaniline	7.30	Peak assignment corrected	N5QU	04/14/25 15:36
Dimethoate	8.41	Peak assignment corrected	N5QU	04/14/25 15:36
1,4-Dioxane		Invalid Compound ID	N5QU	04/14/25 15:34
N,N-dimethylformamide		Invalid Compound ID	N5QU	04/14/25 15:34
N-Nitrosomethylethylamine		Invalid Compound ID	N5QU	04/14/25 15:34

Lab Sample ID: ICV 410-630243/12 Client Sample ID:

Date Analyzed: 04/14/25 15:15 Lab File ID: JD1412.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aramite Peak 1		Invalid Compound ID	N5QU	04/14/25 18:46
Aramite Peak 2		Invalid Compound ID	N5QU	04/14/25 18:46
Aramite Peak 3		Invalid Compound ID	N5QU	04/14/25 18:46
Aramite Peak 4		Invalid Compound ID	N5QU	04/14/25 18:46
Benzidine		Invalid Compound ID	N5QU	04/14/25 18:42
Benzoic acid		Invalid Compound ID	N5QU	04/14/25 18:40
Famphur		Invalid Compound ID	N5QU	04/14/25 18:46
Hexachlorocyclopentadiene		Invalid Compound ID	N5QU	04/14/25 18:41
Pyridine		Invalid Compound ID	N5QU	04/14/25 20:17

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 641051

Lab Sample ID: ICIS 410-641051/2 Client Sample ID:

Date Analyzed: 05/07/25 23:49 Lab File ID: JE0751a.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chloronaphthalene	6.71	Split Peak	N5QU	05/08/25 00:45
1-Chloronaphthalene	6.72	Split Peak	N5QU	05/08/25 00:45

Lab Sample ID: IC 410-641051/3 Client Sample ID:

Date Analyzed: 05/08/25 00:10 Lab File ID: JE0752.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chloronaphthalene	6.71	Split Peak	N5QU	05/08/25 00:48
1-Chloronaphthalene	6.72	Split Peak	N5QU	05/08/25 00:48
Famphur		Invalid Compound ID	N5QU	05/08/25 00:50

Lab Sample ID: IC 410-641051/4 Client Sample ID:

Date Analyzed: 05/08/25 00:31 Lab File ID: JE0753.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Famphur		Invalid Compound ID	N5QU	05/08/25 00:53

Lab Sample ID: IC 410-641051/6 Client Sample ID:

Date Analyzed: 05/08/25 01:14 Lab File ID: JE0755.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.70	Incomplete Integration	W6ZA	05/08/25 06:56
N,N-dimethylformamide	2.31	Incomplete Integration	W6ZA	05/08/25 06:56
Disulfoton	8.66	Peak assignment corrected	W6ZA	05/08/25 06:56

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 641051

Lab Sample ID: IC 410-641051/7 Client Sample ID:

Date Analyzed: 05/08/25 01:36 Lab File ID: JE0756.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Disulfoton	8.66	Peak assignment corrected	W6ZA	05/08/25 06:58
Famphur	10.62	Peak assignment corrected	W6ZA	05/08/25 06:58

Lab Sample ID: IC 410-641051/8 Client Sample ID:

Date Analyzed: 05/08/25 01:57 Lab File ID: JE0757.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol-d5 (Surr)	3.98	Incomplete Integration	W6ZA	05/08/25 06:59
Aniline	4.03	Peak assignment corrected	W6ZA	05/08/25 06:59
2,4,5-Trichlorophenol	6.55	Incomplete Integration	W6ZA	05/08/25 06:59
2-Nitroaniline	6.82	Peak assignment corrected	W6ZA	05/08/25 07:00
1,3-Dinitrobenzene	7.02	Incomplete Integration	W6ZA	05/08/25 07:00
trans-Diallate	8.23	Peak assignment corrected	W6ZA	05/08/25 07:00
Disulfoton	8.66	Peak assignment corrected	W6ZA	05/08/25 07:00
Famphur	10.62	Peak assignment corrected	W6ZA	05/08/25 07:00
Dibenz(a,h)anthracene	14.75	Incomplete Integration	W6ZA	05/08/25 07:01

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 641051

Lab Sample ID: IC 410-641051/9 Client Sample ID:

Date Analyzed: 05/08/25 02:18 Lab File ID: JE0758.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichlorobenzene	4.49	Peak assignment corrected	W6ZA	05/08/25 07:16
m & p-Cresol	4.75	Incomplete Integration	W6ZA	05/08/25 07:14
Nitrobenzene	4.88	Peak assignment corrected	W6ZA	05/08/25 07:01
Safrole, Total	6.16	Peak assignment corrected	W6ZA	05/08/25 07:02
Isosafrole Peak 2	6.66	Peak assignment corrected	W6ZA	05/08/25 07:02
2,3,4,6-Tetrachlorophenol	7.55	Peak assignment corrected	W6ZA	05/08/25 07:02
trans-Diallate	8.24	Peak assignment corrected	W6ZA	05/08/25 07:20
Dimethoate	8.32	Peak assignment corrected	W6ZA	05/08/25 07:02
Atrazine	8.39	Peak assignment corrected	W6ZA	05/08/25 07:02
4-Aminobiphenyl	8.48	Peak assignment corrected	W6ZA	05/08/25 07:02
Famphur	10.62	Peak assignment corrected	W6ZA	05/08/25 07:02

Lab Sample ID: ICV 410-641051/12 Client Sample ID:

Date Analyzed: 05/08/25 03:22 Lab File ID: JE0761.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-phenylenediamine		Peak assignment corrected	W6ZA	05/08/25 08:15
Famphur		Peak assignment corrected	W6ZA	05/08/25 08:14

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 652434

Lab Sample ID: IC 410-652434/5 Client Sample ID:

Date Analyzed: 06/03/25 22:26 Lab File ID: JF0354.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methapyrilene	9.40	Peak assignment corrected	N5QU	06/03/25 23:00

Lab Sample ID: IC 410-652434/9 Client Sample ID:

Date Analyzed: 06/03/25 23:52 Lab File ID: JF0358.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Kepone	10.58	Peak assignment corrected	SJ89	06/05/25 07:21

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 663002

Lab Sample ID: ICIS 410-663002/2 Client Sample ID:

Date Analyzed: 06/25/25 23:02 Lab File ID: JF2551.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Safrole, Total	5.85	Peak assignment corrected	N5QU	06/26/25 01:57
2-Methylnaphthalene	5.92	Peak assignment corrected	N5QU	06/26/25 01:57
1-Methylnaphthalene	6.01	Peak assignment corrected	N5QU	06/26/25 01:57
2-Chloronaphthalene	6.38	Split Peak	N5QU	06/26/25 01:58
1-Chloronaphthalene	6.40	Split Peak	N5QU	06/26/25 01:58

Lab Sample ID: IC 410-663002/3 Client Sample ID:

Date Analyzed: 06/25/25 23:30 Lab File ID: JF2552.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3,5-Trinitrobenzene	7.87	Peak assignment corrected	W6ZA	06/26/25 09:40

Lab Sample ID: IC 410-663002/4 Client Sample ID:

Date Analyzed: 06/25/25 23:52 Lab File ID: JF2553.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]pyrene	12.57	Incomplete Integration	W6ZA	06/26/25 09:41

Lab Sample ID: IC 410-663002/5 Client Sample ID:

Date Analyzed: 06/26/25 00:13 Lab File ID: JF2554.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chloronaphthalene	6.38	Incomplete Integration	W6ZA	06/26/25 09:42
1-Chloronaphthalene	6.40	Incomplete Integration	W6ZA	06/26/25 09:42

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 663002

Lab Sample ID: IC 410-663002/6 Client Sample ID:

Date Analyzed: 06/26/25 00:34 Lab File ID: JF2555.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chloronaphthalene	6.38	Incomplete Integration	W6ZA	06/26/25 09:43
1-Chloronaphthalene	6.40	Incomplete Integration	W6ZA	06/26/25 09:44

Lab Sample ID: IC 410-663002/7 Client Sample ID:

Date Analyzed: 06/26/25 00:56 Lab File ID: JF2556.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N,N-dimethylformamide	2.13	Incomplete Integration	W6ZA	06/26/25 09:45
2-Chloronaphthalene	6.38	Incomplete Integration	W6ZA	06/26/25 09:45
1-Chloronaphthalene	6.40	Incomplete Integration	W6ZA	06/26/25 09:45

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 663002

Lab Sample ID: IC 410-663002/8 Client Sample ID:

Date Analyzed: 06/26/25 01:17 Lab File ID: JF2557.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dichlorobenzene	4.01	Peak assignment corrected	W6ZA	06/26/25 09:47
1,2-Dichlorobenzene	4.16	Peak assignment corrected	W6ZA	06/26/25 09:47
2-Nitrophenol	4.88	Peak assignment corrected	W6ZA	06/26/25 09:47
1,4-phenylenediamine	5.77	Peak assignment corrected	W6ZA	06/26/25 09:47
Isosafrole Peak 1	6.13	Peak assignment corrected	W6ZA	06/26/25 09:47
2-Chloronaphthalene	6.38	Incomplete Integration	W6ZA	06/26/25 09:47
1-Chloronaphthalene	6.40	Incomplete Integration	W6ZA	06/26/25 09:47
1,4-Dinitrobenzene	6.65	Peak assignment corrected	W6ZA	06/26/25 09:48
1,3-Dinitrobenzene	6.71	Peak assignment corrected	W6ZA	06/26/25 09:48
4-Nitroaniline	7.48	Peak assignment corrected	W6ZA	06/26/25 09:48
1,3,5-Trinitrobenzene	7.86	Peak assignment corrected	W6ZA	06/26/25 09:48
trans-Diallate	7.91	Peak assignment corrected	W6ZA	06/26/25 09:48
4-Nitroquinoline-1-oxide	9.10	Peak assignment corrected	W6ZA	06/26/25 09:48
Dibenz[a,j]acridine	13.88	Peak assignment corrected	W6ZA	06/26/25 09:49

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 663002

Lab Sample ID: IC 410-663002/9 Client Sample ID:

Date Analyzed: 06/26/25 01:38 Lab File ID: JF2558.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzaldehyde	3.59	Peak assignment corrected	W6ZA	06/26/25 09:50
Aniline	3.69	Peak assignment corrected	W6ZA	06/26/25 09:50
2-Chlorophenol	3.81	Peak assignment corrected	W6ZA	06/26/25 09:50
Benzyl alcohol	4.17	Peak assignment corrected	W6ZA	06/26/25 09:50
o-Cresol	4.28	Peak assignment corrected	W6ZA	06/26/25 09:50
m & p-Cresol	4.45	Peak assignment corrected	W6ZA	06/26/25 09:51
4-Chloro-3-methylphenol	5.83	Peak assignment corrected	W6ZA	06/26/25 09:51
Isosafrole Peak 2	6.35	Peak assignment corrected	W6ZA	06/26/25 09:51
1,3,5-Trinitrobenzene	7.86	Peak assignment corrected	W6ZA	06/26/25 09:51
Dimethoate	8.00	Peak assignment corrected	W6ZA	06/26/25 09:51
Disulfoton	8.34	Peak assignment corrected	W6ZA	06/26/25 09:52
p-Dimethylamino azobenzene	9.98	Incomplete Integration	W6ZA	06/26/25 09:52
Dibenz[a,j]acridine	13.88	Incomplete Integration	W6ZA	06/26/25 09:49

Lab Sample ID: ICV 410-663002/12 Client Sample ID:

Date Analyzed: 06/26/25 02:43 Lab File ID: JF2561.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,4,5-Tetrachlorobenzene	6.08	Peak assignment corrected	W6ZA	06/26/25 09:57
1,3,5-Trinitrobenzene	7.86	Peak assignment corrected	W6ZA	06/26/25 09:58
1,4-phenylenediamine		Peak assignment corrected	W6ZA	06/26/25 09:57
Hexachlorocyclopentadiene		Invalid Compound ID	W6ZA	06/26/25 10:28

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 681375

Lab Sample ID: CCV 410-681375/34 Client Sample ID:

Date Analyzed: 08/06/25 09:25 Lab File ID: HG0605.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Famphur	10.18	Peak assignment corrected	W6ZA	08/06/25 10:08
Kepone	10.21	Peak assignment corrected	W6ZA	08/06/25 10:08

Lab Sample ID: MB 410-681120/1-A Client Sample ID:

Date Analyzed: 08/06/25 11:47 Lab File ID: HG0611.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,6-Dinitrotoluene		Invalid Compound ID	RN6U	08/06/25 17:08
Benzo[a]pyrene		Invalid Compound ID	RN6U	08/06/25 17:08
Nitrobenzene		Invalid Compound ID	RN6U	08/06/25 17:08
n-Nitrosodiphenylamine(as diphenylamine)		Invalid Compound ID	RN6U	08/06/25 17:08
Pyrene		Invalid Compound ID	RN6U	08/06/25 17:08
trans-Diallate		Invalid Compound ID	RN6U	08/06/25 17:08

Lab Sample ID: LCS 410-681120/4-A Client Sample ID:

Date Analyzed: 08/06/25 12:48 Lab File ID: HG0614.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Kepone	10.21	Incomplete Integration	RN6U	08/06/25 17:16

Lab Sample ID: LCSD 410-681120/5-A Client Sample ID:

Date Analyzed: 08/06/25 13:09 Lab File ID: HG0615.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Kepone	10.26	Incomplete Integration	RN6U	08/06/25 17:15

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 681375

Lab Sample ID: 410-234898-2 Client Sample ID: 16MW8

Date Analyzed: 08/06/25 18:13 Lab File ID: HG0630.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]pyrene		Invalid Compound ID	RN6U	08/06/25 20:42
Hexachlorobenzene		Invalid Compound ID	RN6U	08/06/25 20:41
Isodrin		Invalid Compound ID	RN6U	08/06/25 20:42
Nitrobenzene		Invalid Compound ID	RN6U	08/06/25 20:41
n-Nitrosodiphenylamine(as diphenylamine)		Invalid Compound ID	RN6U	08/06/25 20:41

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 682061

Lab Sample ID: CCVIS 410-682061/2 Client Sample ID:

Date Analyzed: 08/07/25 08:11 Lab File ID: HG0701.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosodimethylamine	1.55	Incomplete Integration	W6ZA	08/07/25 08:32
N,N-dimethylformamide	1.90	Incomplete Integration	W6ZA	08/07/25 08:32
2-Chloronaphthalene	6.28	Incomplete Integration	W6ZA	08/07/25 08:33
1-Chloronaphthalene	6.30	Incomplete Integration	W6ZA	08/07/25 08:33
1,3,5-Trinitrobenzene	7.77	Peak assignment corrected	W6ZA	08/07/25 08:33

Lab Sample ID: MB 410-681385/1-A Client Sample ID:

Date Analyzed: 08/07/25 10:30 Lab File ID: HG0707.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,6-Dinitrotoluene		Invalid Compound ID	RN6U	08/07/25 15:14
Benzo[a]pyrene		Invalid Compound ID	RN6U	08/07/25 15:16
Benzo[b]fluoranthene		Invalid Compound ID	RN6U	08/07/25 15:16
cis-Diallate		Invalid Compound ID	RN6U	08/07/25 15:14
Isodrin		Invalid Compound ID	RN6U	08/07/25 15:16
Nitrobenzene		Invalid Compound ID	RN6U	08/07/25 15:14

Lab Sample ID: LCS 410-681385/3-A Client Sample ID:

Date Analyzed: 08/07/25 11:11 Lab File ID: HG0709.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Kepone	10.28	Incomplete Integration	RN6U	08/07/25 15:20

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 682061

Lab Sample ID: LCSD 410-681385/4-A Client Sample ID:

Date Analyzed: 08/07/25 11:31 Lab File ID: HG0710.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Kepone	10.31	Incomplete Integration	RN6U	08/07/25 15:21

Lab Sample ID: 410-234898-1 Client Sample ID: 16C1

Date Analyzed: 08/07/25 15:55 Lab File ID: HG0723.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,6-Dinitrotoluene		Invalid Compound ID	RN6U	08/07/25 19:35
Benzo[a]pyrene		Invalid Compound ID	RN6U	08/07/25 19:36
Fluoranthene		Invalid Compound ID	RN6U	08/07/25 19:35
Isodrin		Invalid Compound ID	RN6U	08/07/25 19:35
n-Nitrosodiphenylamine(as diphenylamine)		Invalid Compound ID	RN6U	08/07/25 19:35
Pyrene		Peak assignment corrected	RN6U	08/07/25 19:35
trans-Diallate		Invalid Compound ID	RN6U	08/07/25 19:35

Lab Sample ID: 410-234898-3 Client Sample ID: 16MW9

Date Analyzed: 08/07/25 16:16 Lab File ID: HG0724.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]pyrene		Invalid Compound ID	RN6U	08/07/25 19:37
Benzo[b]fluoranthene		Invalid Compound ID	RN6U	08/07/25 19:36
Dibenz(a,h)anthracene		Invalid Compound ID	RN6U	08/07/25 19:37
Isodrin		Invalid Compound ID	RN6U	08/07/25 19:36
Nitrobenzene		Invalid Compound ID	RN6U	08/07/25 19:36

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 682061

Lab Sample ID: 410-234898-4 Client Sample ID: 16WC1A

Date Analyzed: 08/07/25 16:36 Lab File ID: HG0725.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]pyrene		Invalid Compound ID	RN6U	08/07/25 19:38
Benzo[k]fluoranthene		Invalid Compound ID	RN6U	08/07/25 19:38
cis-Diallate		Invalid Compound ID	RN6U	08/07/25 19:37
Isodrin		Invalid Compound ID	RN6U	08/07/25 19:38
Nitrobenzene		Invalid Compound ID	RN6U	08/07/25 19:37

Lab Sample ID: 410-234898-4 MS Client Sample ID: 16WC1AMS MS

Date Analyzed: 08/07/25 16:56 Lab File ID: HG0726.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-Diallate		Invalid Compound ID	RN6U	08/07/25 19:40
Hexachloropropene		Invalid Compound ID	RN6U	08/07/25 19:39
Isodrin		Invalid Compound ID	RN6U	08/07/25 19:40
Kepone		Invalid Compound ID	RN6U	08/07/25 19:40
N-Nitrosomorpholine		Invalid Compound ID	RN6U	08/07/25 19:38
N-Nitrosopiperidine		Invalid Compound ID	RN6U	08/07/25 19:39
o,o',o''-Triethylphosphorothioate		Invalid Compound ID	RN6U	08/07/25 19:39
O,O-Diethyl O-2-pyrazinyl phosphorothioate		Invalid Compound ID	RN6U	08/07/25 19:40
Pentachlorobenzene		Peak assignment corrected	RN6U	08/07/25 19:39
Safrole, Total		Invalid Compound ID	RN6U	08/07/25 19:39
trans-Diallate		Invalid Compound ID	RN6U	08/07/25 19:40

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 682061

Lab Sample ID: 410-234898-4 MSD Client Sample ID: 16WC1AMSD MSD

Date Analyzed: 08/07/25 17:17 Lab File ID: HG0727.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosodimethylamine	1.56	Incomplete Integration	RN6U	08/07/25 19:41
Phenol	3.59	Split Peak	RN6U	08/07/25 19:41
cis-Diallate		Invalid Compound ID	RN6U	08/07/25 19:42
Ethyl methanesulfonate		Invalid Compound ID	RN6U	08/07/25 19:41
Isodrin		Invalid Compound ID	RN6U	08/07/25 19:43
N-Nitrosomorpholine		Invalid Compound ID	RN6U	08/07/25 19:42

Lab Sample ID: 410-234898-5 Client Sample ID: 16WDUP

Date Analyzed: 08/07/25 17:37 Lab File ID: HG0728.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acenaphthene		Invalid Compound ID	RN6U	08/07/25 19:44
cis-Diallate		Invalid Compound ID	RN6U	08/07/25 19:44
Nitrobenzene		Invalid Compound ID	RN6U	08/07/25 19:43
Pyrene		Invalid Compound ID	RN6U	08/07/25 19:44

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
Hg_0.1Control_00280	08/12/25	08/05/25	2% HCl, Lot 7532106	10 mL	Hg_1Control_00267	1 mL	Mercury	0.1 ug/mL
.Hg_1Control_00267	08/12/25	08/05/25	2% HCl, Lot 7532106	10 mL	MT_S_10Hg_CPI_00003	1 mL	Mercury	1 ug/mL
..MT_S_10Hg_CPI_00003	02/10/26	CPI International, Lot 1503810			(Purchased Reagent)		Mercury	10 ug/mL
Hg_0.1Control_00281	08/19/25	08/12/25	2% HCl, Lot 8193924	10 mL	Hg_1Control_00268	1 mL	Mercury	0.1 ug/mL
.Hg_1Control_00268	08/19/25	08/12/25	2% HCl, Lot 8193924	10 mL	MT_S_10Hg_CPI_00003	1 mL	Mercury	1 ug/mL
..MT_S_10Hg_CPI_00003	02/10/26	CPI International, Lot 1503810			(Purchased Reagent)		Mercury	10 ug/mL
Hg_1Cal_00267	08/12/25	08/05/25	2% HCl, Lot 7532106	10 mL	MT_S_10Hg_CPI_00002	1 mL	Mercury	1 ug/mL
.MT_S_10Hg_CPI_00002	02/10/26	CPI International, Lot 1452342			(Purchased Reagent)		Mercury	10 ug/mL
Hg_1Cal_00268	08/19/25	08/12/25	2% HCl, Lot 8193924	10 mL	MT_S_10Hg_CPI_00002	1 mL	Mercury	1 ug/mL
.MT_S_10Hg_CPI_00002	02/10/26	CPI International, Lot 1452342			(Purchased Reagent)		Mercury	10 ug/mL
Hg_1Control_00267	08/12/25	08/05/25	2% HCl, Lot 7532106	10 mL	MT_S_10Hg_CPI_00003	1 mL	Mercury	1 ug/mL
.MT_S_10Hg_CPI_00003	02/10/26	CPI International, Lot 1503810			(Purchased Reagent)		Mercury	10 ug/mL
Hg_1Control_00268	08/19/25	08/12/25	2% HCl, Lot 8193924	10 mL	MT_S_10Hg_CPI_00003	1 mL	Mercury	1 ug/mL
.MT_S_10Hg_CPI_00003	02/10/26	CPI International, Lot 1503810			(Purchased Reagent)		Mercury	10 ug/mL
Hg_5%KMnO4_00553	01/03/26	07/03/25	DI Water, Lot DI07032025	2000 mL	MT_KMnO4_LC_00002	100.21 g	Potassium Permanganate	4.98044 %
.MT_KMnO4_LC_00002	09/16/26	Lab Chem, Lot 44100407			(Purchased Reagent)		Potassium Permanganate	99.4 %
Hg_5%KMnO4_00572	01/24/26	07/24/25	DI Water, Lot DI07242025	2000 mL	MT_KMnO4_LC_00002	100.207 g	Potassium Permanganate	4.98029 %
.MT_KMnO4_LC_00002	09/16/26	Lab Chem, Lot 44100407			(Purchased Reagent)		Potassium Permanganate	99.4 %
Hg_5%KMnO4_00578	01/31/26	07/31/25	DI Water, Lot DI07312025	2000 mL	MT_KMnO4_LC_00002	100.017 g	Potassium Permanganate	4.97084 %
.MT_KMnO4_LC_00002	09/16/26	Lab Chem, Lot 44100407			(Purchased Reagent)		Potassium Permanganate	99.4 %
Hg_5%KMnO4_00590	02/12/26	08/12/25	DI Water, Lot DI08122025	2000 mL	MT_KMnO4_LC_00002	100.173 g	Potassium Permanganate	4.9786 %
.MT_KMnO4_LC_00002	09/16/26	Lab Chem, Lot 44100407			(Purchased Reagent)		Potassium Permanganate	99.4 %
MP_1:1HCl_00053	01/24/26	07/24/25	DI Water, Lot DI07242025	20000 mL	MT_HCL_VWR_00002	10000 mL	Hydrogen Chloride	185000 ug/mL
.MT_HCL_VWR_00002	11/19/27	VWR, Lot 4124090			(Purchased Reagent)		Hydrogen Chloride	37 %
MP_1:1HNO3_00088	01/29/26	07/29/25	DI Water, Lot DI07142025	20000 mL	MT_HNO3_FI_00021	10000 mL	Nitric acid	347500 ug/mL
.MT_HNO3_FI_00021	06/12/30	ThermoFisher Scientific, Lot 251192			(Purchased Reagent)		Nitric acid	69.5 %
MP_40Hg_IV_00262	08/22/25	08/15/25	DI Water, Lot DI07012025	200 mL	MT_HNO3_FI_00018	0.3 mL	Nitric acid	1045.5 ug/mL
					MT_S_10Hg_CPI_00002	0.8 mL	Mercury	0.04 ug/mL
.MT_HNO3_FI_00018	02/17/30	ThermoFisher Scientific, Lot 245385			(Purchased Reagent)		Nitric acid	69.7 %
.MT_S_10Hg_CPI_00002	02/10/26	CPI International, Lot 1452342			(Purchased Reagent)		Mercury	10 ug/mL
MP_5K2S2O8_00152	01/10/26	07/10/25	DI Water, Lot DI07102025	2000 mL	MT_K2S2O8_JT_00053	100.044 g	Potassium persulfate	4.97719 %
.MT_K2S2O8_JT_00053	07/26/28	J.T.Baker, Lot 22D2261044			(Purchased Reagent)		Potassium persulfate	99.5 %
MP_5K2S2O8_00155	01/31/26	07/31/25	DI Water, Lot DI07312025	2000 mL	MT_K2S2O8_JT_00053	100.012 g	Potassium persulfate	4.9756 %

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MT_K2S2O8_JT_00053	07/26/28		J.T.Baker, Lot 22D2261044		(Purchased Reagent)		Potassium persulfate	99.5 %
MP_5K2S2O8_00156	02/06/26	08/06/25	DI Water, Lot DI08062025	2000 mL	MT_K2S2O8_JT_00052	100.249 g	Potassium persulfate	4.98739 %
.MT_K2S2O8_JT_00052	05/14/26		J.T.Baker, Lot 22D2261044		(Purchased Reagent)		Potassium persulfate	99.5 %
MP_NaClHNO_00370	01/08/26	07/08/25	DI Water, Lot DI07082025	2000 mL	MT_H3NO_Fishe_00061	240.449 g	Hydroxylamine hydrochloride	11.9864 %
					MT_NaCl_Fis_00001	240.203 g	Sodium Chloride	12.0101 %
.MT_H3NO_Fishe_00061	07/03/26		Fisher, Lot 243373		(Purchased Reagent)		Hydroxylamine hydrochloride	99.7 %
.MT_NaCl_Fis_00001	09/04/26		Fisher, Lot 243064		(Purchased Reagent)		Sodium Chloride	100 %
MP_NaClHNO_00378	01/28/26	07/28/25	DI Water, Lot DI07282025	2000 mL	MT_H3NO_Fishe_00064	240.304 g	Hydroxylamine hydrochloride	11.9792 %
					MT_NaCl_Fis_00001	240.32 g	Sodium Chloride	12.016 %
.MT_H3NO_Fishe_00064	09/15/26		Fisher, Lot 244607		(Purchased Reagent)		Hydroxylamine hydrochloride	99.7 %
.MT_NaCl_Fis_00001	09/04/26		Fisher, Lot 243064		(Purchased Reagent)		Sodium Chloride	100 %
MP_NaClHNO_00380	02/05/26	08/05/25	DI Water, Lot DI08052025	2000 mL	MT_H3NO_Fishe_00064	240.315 g	Hydroxylamine hydrochloride	11.9797 %
					MT_NaCl_Fis_00001	240.142 g	Sodium Chloride	12.0071 %
.MT_H3NO_Fishe_00064	09/15/26		Fisher, Lot 244607		(Purchased Reagent)		Hydroxylamine hydrochloride	99.7 %
.MT_NaCl_Fis_00001	09/04/26		Fisher, Lot 243064		(Purchased Reagent)		Sodium Chloride	100 %
MP_NaClHNO_00381	02/05/26	08/05/25	DI Water, Lot DI08052025	2000 mL	MT_H3NO_Fishe_00064	240.153 g	Hydroxylamine hydrochloride	11.9716 %
					MT_NaCl_Fis_00001	240.402 g	Sodium Chloride	12.0201 %
.MT_H3NO_Fishe_00064	09/15/26		Fisher, Lot 244607		(Purchased Reagent)		Hydroxylamine hydrochloride	99.7 %
.MT_NaCl_Fis_00001	09/04/26		Fisher, Lot 243064		(Purchased Reagent)		Sodium Chloride	100 %
MSS_RV8270_1_00042	06/23/25	02/27/25	MeCl2, Lot 64313	2 mL	MSS_RV8270_2_00043	1000 uL	Benzidine	0.375 ppm
							1,3,5-Trinitrobenzene	0.125 ppm
							1,4-Dinitrobenzene	0.125 ppm
							1-Naphthylamine	0.125 ppm
							2-Acetylaminofluorene	0.125 ppm
							2-Naphthylamine	0.125 ppm
							2-Picoline	0.125 ppm
							2-Toluidine	0.125 ppm
							3,3'-Dimethylbenzidine	0.125 ppm
							4,4'-Methylene bis(2-chloroaniline)	0.125 ppm
							4-Aminobiphenyl	0.125 ppm
							4-Nitroquinoline-1-oxide	0.125 ppm
							5-Nitro-o-toluidine	0.125 ppm
							alpha,alpha-Dimethyl phenethylamine	0.125 ppm
							Dibenz[a,h]acridine	0.125 ppm
							N-Nitrosodi-n-butylamine	0.125 ppm
							N-Nitrosodiethylamine	0.125 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosomethylethylamine	0.125 ppm
							N-Nitrosomorpholine	0.125 ppm
							N-Nitrosopiperidine	0.125 ppm
							N-Nitrosopyrrolidine	0.125 ppm
							p-Dimethylamino azobenzene	0.125 ppm
							p-Phenylene diamine	0.125 ppm
							Pentachloronitrobenzene	0.125 ppm
							Phenacetin	0.125 ppm
							Pronamide	0.125 ppm
							Quinoline	0.125 ppm
							1,4-Naphthoquinone	0.125 ppm
							1-Chloronaphthalene	0.125 ppm
							7,12-Dimethylbenz(a)anthracene	0.125 ppm
							Chlorobenzilate	0.125 ppm
							Dinoseb	0.125 ppm
							Ethyl methanesulfonate	0.125 ppm
							Hexachloropropene	0.125 ppm
							Isodrin	0.125 ppm
							Isosafrole Peak 1	0.02 ppm
							Isosafrole Peak 2	0.105 ppm
							Methyl methanesulfonate	0.125 ppm
							Pentachlorobenzene	0.125 ppm
							3-Methylcholanthrene	0.125 ppm
							6-Methylchrysene	0.125 ppm
							cis-Diallate	0.0925 ppm
							Dimethoate	0.125 ppm
							Disulfoton	0.125 ppm
							Ethyl Parathion	0.125 ppm
							Famphur	0.125 ppm
							Methyl parathion	0.125 ppm
							o,o',o''-Triethylphosphorothioate	0.125 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	0.125 ppm
							Phorate	0.125 ppm
							Safrole, Total	0.125 ppm
							Sulfotepp	0.125 ppm
							trans-Diallate	0.0325 ppm
							2,4,6-Tribromophenol (Surr)	0.25 ppm
							2-Fluorobiphenyl (Surr)	0.25 ppm
							2-Fluorophenol (Surr)	0.25 ppm
							Nitrobenzene-d5 (Surr)	0.25 ppm
							p-Terphenyl-d14 (Surr)	0.25 ppm
							Phenol-d5 (Surr)	0.25 ppm
							Alpha-Terpineol	0.125 ppm
							Dimethylformamide	0.125 ppm
							Octachlorostyrene	0.125 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenyl ether	0.125 ppm
							Dibenz[a,j]acridine	0.125 ppm
							1,1'-Biphenyl	0.125 ppm
							1,2,4,5-Tetrachlorobenzene	0.125 ppm
							1,2,4-Trichlorobenzene	0.125 ppm
							1,2-Dichlorobenzene	0.125 ppm
							1,2-Diphenylhydrazine	0.125 ppm
							1,3-Dichlorobenzene	0.125 ppm
							1,3-Dinitrobenzene	0.125 ppm
							1,4-Dichlorobenzene	0.125 ppm
							1,4-Dioxane	0.125 ppm
							1-Methylnaphthalene	0.125 ppm
							2,3,4,6-Tetrachlorophenol	0.125 ppm
							2,4,5-Trichlorophenol	0.125 ppm
							2,4,6-Trichlorophenol	0.125 ppm
							2,4-Dichlorophenol	0.125 ppm
							2,4-Dimethylphenol	0.125 ppm
							2,4-Dinitrophenol	1.25 ppm
							2,4-Dinitrotoluene	0.125 ppm
							2,6-Dichlorophenol	0.125 ppm
							2,6-Dinitrotoluene	0.125 ppm
							2-Chloronaphthalene	0.125 ppm
							2-Chlorophenol	0.125 ppm
							2-Methylnaphthalene	0.125 ppm
							2-Nitroaniline	0.125 ppm
							2-Nitrophenol	0.125 ppm
							3-Nitroaniline	0.125 ppm
							4,6-Dinitro-2-methylphenol	0.75 ppm
							4-Bromophenyl-phenylether	0.125 ppm
							4-Chloro-3-methylphenol	0.125 ppm
							4-Chloroaniline	0.125 ppm
							4-Chlorophenyl-phenyl ether	0.125 ppm
							4-Nitroaniline	0.125 ppm
							4-Nitrophenol	0.75 ppm
							Acenaphthene	0.125 ppm
							Acenaphthylene	0.125 ppm
							Acetophenone	0.125 ppm
							Aniline	0.125 ppm
							Anthracene	0.125 ppm
							Benzo[a]anthracene	0.125 ppm
							Benzo[a]pyrene	0.125 ppm
							Benzo[b]fluoranthene	0.125 ppm
							Benzo[g,h,i]perylene	0.125 ppm
							Benzo[k]fluoranthene	0.125 ppm
							Benzyl alcohol	0.125 ppm
							bis (2-chloroisopropyl) ether	0.125 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethoxy)methane	0.125 ppm
							Bis(2-chloroethyl)ether	0.125 ppm
							Bis(2-ethylhexyl) phthalate	0.125 ppm
							Butyl benzyl phthalate	0.125 ppm
							Carbazole	0.125 ppm
							Chrysene	0.125 ppm
							Di-n-butyl phthalate	0.125 ppm
							Di-n-octyl phthalate	0.125 ppm
							Dibenz(a,h)anthracene	0.125 ppm
							Dibenzofuran	0.125 ppm
							Diethyl phthalate	0.125 ppm
							Dimethyl phthalate	0.125 ppm
							Fluoranthene	0.125 ppm
							Fluorene	0.125 ppm
							Hexachlorobenzene	0.125 ppm
							Hexachlorobutadiene	0.125 ppm
							Hexachlorocyclopentadiene	0.125 ppm
							Hexachloroethane	0.125 ppm
							Indeno[1,2,3-cd]pyrene	0.125 ppm
							Isophorone	0.125 ppm
							m & p-Cresol	0.125 ppm
							N-Nitrosodi-n-propylamine	0.125 ppm
							N-Nitrosodimethylamine	0.125 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	0.10625 ppm
							Naphthalene	0.125 ppm
							Nitrobenzene	0.125 ppm
							o-Cresol	0.125 ppm
							Pentachlorophenol	0.625 ppm
							Phenanthrene	0.125 ppm
							Phenol	0.125 ppm
							Pyrene	0.125 ppm
							Pyridine	0.25 ppm
							3,3'-Dichlorobenzidine	0.125 ppm
							Atrazine	0.125 ppm
							Benzaldehyde	0.125 ppm
							Caprolactam	0.125 ppm
							1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
					MSS_RV8270_IS_00103	20 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_RV8270_2_00043	06/23/25	02/27/25	MeCl2, Lot 64313	5 mL	MSS_8270_APWS_00024	5 uL	Benzidine	0.75 ppm
							1,3,5-Trinitrobenzene	0.25 ppm
							1,4-Dinitrobenzene	0.25 ppm
							1-Naphthylamine	0.25 ppm
							2-Acetylaminofluorene	0.25 ppm
							2-Naphthylamine	0.25 ppm
							2-Picoline	0.25 ppm
							2-Toluidine	0.25 ppm
							3,3'-Dimethylbenzidine	0.25 ppm
							4,4'-Methylene bis(2-chloroaniline)	0.25 ppm
							4-Aminobiphenyl	0.25 ppm
							4-Nitroquinoline-1-oxide	0.25 ppm
							5-Nitro-o-toluidine	0.25 ppm
							alpha,alpha-Dimethyl phenethylamine	0.25 ppm
							Dibenz[a,h]acridine	0.25 ppm
							N-Nitrosodi-n-butylamine	0.25 ppm
							N-Nitrosodiethylamine	0.25 ppm
							N-Nitrosomethylethylamine	0.25 ppm
							N-Nitrosomorpholine	0.25 ppm
							N-Nitrosopiperidine	0.25 ppm
							N-Nitrosopyrrolidine	0.25 ppm
							p-Dimethylamino azobenzene	0.25 ppm
							p-Phenylene diamine	0.25 ppm
							Pentachloronitrobenzene	0.25 ppm
							Phenacetin	0.25 ppm
							Pronamide	0.25 ppm
							Quinoline	0.25 ppm
							1,4-Naphthoquinone	0.25 ppm
							1-Chloronaphthalene	0.25 ppm
							7,12-Dimethylbenz(a)anthracene	0.25 ppm
							Chlorobenzilate	0.25 ppm
							Dinoseb	0.25 ppm
							Ethyl methanesulfonate	0.25 ppm
							Hexachloropropene	0.25 ppm
							Isodrin	0.25 ppm
							Isosafrole Peak 1	0.04 ppm
							Isosafrole Peak 2	0.21 ppm
							Methyl methanesulfonate	0.25 ppm
							Pentachlorobenzene	0.25 ppm
							3-Methylcholanthrene	0.25 ppm
							6-Methylchrysene	0.25 ppm
							cis-Diallate	0.185 ppm
							Dimethoate	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Disulfoton	0.25 ppm
							Ethyl Parathion	0.25 ppm
							Famphur	0.25 ppm
							Methyl parathion	0.25 ppm
							o,o',o''-Triethylphosphorothioate	0.25 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	0.25 ppm
							Phorate	0.25 ppm
							Safrole, Total	0.25 ppm
							Sulfotepp	0.25 ppm
							trans-Diallate	0.065 ppm
					MSS_8270_WS_00026	5 uL	2,4,6-Tribromophenol (Surr)	0.5 ppm
							2-Fluorobiphenyl (Surr)	0.5 ppm
							2-Fluorophenol (Surr)	0.5 ppm
							Nitrobenzene-d5 (Surr)	0.5 ppm
							p-Terphenyl-d14 (Surr)	0.5 ppm
							Phenol-d5 (Surr)	0.5 ppm
							Alpha-Terpineol	0.25 ppm
							Dimethylformamide	0.25 ppm
							Octachlorostyrene	0.25 ppm
							Phenyl ether	0.25 ppm
							Dibenz[a,j]acridine	0.25 ppm
							1,1'-Biphenyl	0.25 ppm
							1,2,4,5-Tetrachlorobenzene	0.25 ppm
							1,2,4-Trichlorobenzene	0.25 ppm
							1,2-Dichlorobenzene	0.25 ppm
							1,2-Diphenylhydrazine	0.25 ppm
							1,3-Dichlorobenzene	0.25 ppm
							1,3-Dinitrobenzene	0.25 ppm
							1,4-Dichlorobenzene	0.25 ppm
							1,4-Dioxane	0.25 ppm
							1-Methylnaphthalene	0.25 ppm
							2,3,4,6-Tetrachlorophenol	0.25 ppm
							2,4,5-Trichlorophenol	0.25 ppm
							2,4,6-Trichlorophenol	0.25 ppm
							2,4-Dichlorophenol	0.25 ppm
							2,4-Dimethylphenol	0.25 ppm
							2,4-Dinitrophenol	2.5 ppm
							2,4-Dinitrotoluene	0.25 ppm
							2,6-Dichlorophenol	0.25 ppm
							2,6-Dinitrotoluene	0.25 ppm
							2-Chloronaphthalene	0.25 ppm
							2-Chlorophenol	0.25 ppm
							2-Methylnaphthalene	0.25 ppm
							2-Nitroaniline	0.25 ppm
							2-Nitrophenol	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	0.25 ppm
							4,6-Dinitro-2-methylphenol	1.5 ppm
							4-Bromophenyl-phenylether	0.25 ppm
							4-Chloro-3-methylphenol	0.25 ppm
							4-Chloroaniline	0.25 ppm
							4-Chlorophenyl-phenyl ether	0.25 ppm
							4-Nitroaniline	0.25 ppm
							4-Nitrophenol	1.5 ppm
							Acenaphthene	0.25 ppm
							Acenaphthylene	0.25 ppm
							Acetophenone	0.25 ppm
							Aniline	0.25 ppm
							Anthracene	0.25 ppm
							Benzo[a]anthracene	0.25 ppm
							Benzo[a]pyrene	0.25 ppm
							Benzo[b]fluoranthene	0.25 ppm
							Benzo[g,h,i]perylene	0.25 ppm
							Benzo[k]fluoranthene	0.25 ppm
							Benzyl alcohol	0.25 ppm
							bis (2-chloroisopropyl) ether	0.25 ppm
							Bis(2-chloroethoxy)methane	0.25 ppm
							Bis(2-chloroethyl)ether	0.25 ppm
							Bis(2-ethylhexyl) phthalate	0.25 ppm
							Butyl benzyl phthalate	0.25 ppm
							Carbazole	0.25 ppm
							Chrysene	0.25 ppm
							Di-n-butyl phthalate	0.25 ppm
							Di-n-octyl phthalate	0.25 ppm
							Dibenz(a,h)anthracene	0.25 ppm
							Dibenzofuran	0.25 ppm
							Diethyl phthalate	0.25 ppm
							Dimethyl phthalate	0.25 ppm
							Fluoranthene	0.25 ppm
							Fluorene	0.25 ppm
							Hexachlorobenzene	0.25 ppm
							Hexachlorobutadiene	0.25 ppm
							Hexachlorocyclopentadiene	0.25 ppm
							Hexachloroethane	0.25 ppm
							Indeno[1,2,3-cd]pyrene	0.25 ppm
							Isophorone	0.25 ppm
							m & p-Cresol	0.25 ppm
							N-Nitrosodi-n-propylamine	0.25 ppm
							N-Nitrosodimethylamine	0.25 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	0.2125 ppm
							Naphthalene	0.25 ppm
							Nitrobenzene	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o-Cresol	0.25 ppm
							Pentachlorophenol	1.25 ppm
							Phenanthrene	0.25 ppm
							Phenol	0.25 ppm
							Pyrene	0.25 ppm
							Pyridine	0.5 ppm
							3,3'-Dichlorobenzidine	0.25 ppm
							Benzidine	0.75 ppm
					MSS_AB_24DNP_00009	10 uL	2,4-Dinitrophenol	2.5 ppm
					MSS_AB_46D2MP_00006	5 uL	4,6-Dinitro-2-methylphenol	1.5 ppm
					MSS_AB_4NP_00006	5 uL	4-Nitrophenol	1.5 ppm
					MSS_AB_PCP_00004	3.75 uL	Pentachlorophenol	1.25 ppm
					MSS_BAS_WS_00017	12.5 uL	Atrazine	0.25 ppm
							Benzaldehyde	0.25 ppm
							Caprolactam	0.25 ppm
					MSS_RV8270_IS_00103	100 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
..MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							5-Nitro-o-toluidine	250 ppm
							alpha,alpha-Dimethyl phenethylamine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Famphur	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							5-Nitro-o-toluidine	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
...OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
...OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							trans-Diallate	260 ug/mL
..MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis (2-chloroisopropyl) ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							m & p-Cresol	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							o-Cresol	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
...MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
...OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenyl ether	2000 ug/mL
...OP_RES_APPX6_00010	09/30/27		Restek, Lot A0216024		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
...OP_RES_LCS1_00022	07/31/25		Restek, Lot A0216029		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
...OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
..MSS_AB_46D2MP_00006	08/28/29		Absolute, Lot 082824		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
..MSS_AB_4NP_00006	02/13/28		Absolute, Lot 021323		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
..MSS_AB_PCP_00004	06/22/27		Absolute, Lot 062222		(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
..MSS_BAS_WS_00017	06/23/25	12/23/24	MeCl2, Lot 64299	5 mL	OP_LCSmix2stk_00009	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
...OP_LCSmix2stk_00009	11/30/25		Restek, Lot A0212130		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
...MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
.MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_1_00043	08/28/25	06/23/25	MeCl2, Lot 65052	2 mL	MSS_RV8270_2_00044	1000 uL	Benzidine	0.375 ppm
							1,3,5-Trinitrobenzene	0.125 ppm
							1,4-Dinitrobenzene	0.125 ppm
							1-Naphthylamine	0.125 ppm
							2-Acetylaminofluorene	0.125 ppm
							2-Naphthylamine	0.125 ppm
							2-Picoline	0.125 ppm
							2-Toluidine	0.125 ppm
							3,3'-Dimethylbenzidine	0.125 ppm
							4,4'-Methylene bis(2-chloroaniline)	0.125 ppm
							4-Aminobiphenyl	0.125 ppm
							4-Nitroquinoline-1-oxide	0.125 ppm
							5-Nitro-o-toluidine	0.125 ppm
							Dibenz[a,h]acridine	0.125 ppm
							N-Nitrosodi-n-butylamine	0.125 ppm
							N-Nitrosodiethylamine	0.125 ppm
							N-Nitrosomethylethylamine	0.125 ppm
							N-Nitrosomorpholine	0.125 ppm
							N-Nitrosopiperidine	0.125 ppm
							N-Nitrosopyrrolidine	0.125 ppm
							p-Dimethylamino azobenzene	0.125 ppm
							p-Phenylene diamine	0.125 ppm
							Pentachloronitrobenzene	0.125 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenacetin	0.125 ppm
							Pronamide	0.125 ppm
							Quinoline	0.125 ppm
							1,4-Naphthoquinone	0.125 ppm
							1-Chloronaphthalene	0.125 ppm
							7,12-Dimethylbenz(a)anthracene	0.125 ppm
							Chlorobenzilate	0.125 ppm
							Dinoseb	0.125 ppm
							Ethyl methanesulfonate	0.125 ppm
							Hexachloropropene	0.125 ppm
							Isodrin	0.125 ppm
							Isosafrole Peak 1	0.02 ppm
							Isosafrole Peak 2	0.105 ppm
							Methyl methanesulfonate	0.125 ppm
							Pentachlorobenzene	0.125 ppm
							3-Methylcholanthrene	0.125 ppm
							6-Methylchrysene	0.125 ppm
							cis-Diallate	0.0925 ppm
							Dimethoate	0.125 ppm
							Disulfoton	0.125 ppm
							Ethyl Parathion	0.125 ppm
							Methyl parathion	0.125 ppm
							o,o',o''-Triethylphosphorothioate	0.125 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	0.125 ppm
							Phorate	0.125 ppm
							Safrole, Total	0.125 ppm
							Sulfotepp	0.125 ppm
							trans-Diallate	0.0325 ppm
							2,4,6-Tribromophenol (Surr)	0.25 ppm
							2-Fluorobiphenyl (Surr)	0.25 ppm
							2-Fluorophenol (Surr)	0.25 ppm
							Nitrobenzene-d5 (Surr)	0.25 ppm
							p-Terphenyl-d14 (Surr)	0.25 ppm
							Phenol-d5 (Surr)	0.25 ppm
							Alpha-Terpineol	0.125 ppm
							Dimethylformamide	0.125 ppm
							Octachlorostyrene	0.125 ppm
							Phenyl ether	0.125 ppm
							Dibenz[a,j]acridine	0.125 ppm
							1,1'-Biphenyl	0.125 ppm
							1,2,4,5-Tetrachlorobenzene	0.125 ppm
							1,2,4-Trichlorobenzene	0.125 ppm
							1,2-Dichlorobenzene	0.125 ppm
							1,2-Diphenylhydrazine	0.125 ppm
							1,3-Dichlorobenzene	0.125 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	0.125 ppm
							1,4-Dichlorobenzene	0.125 ppm
							1,4-Dioxane	0.125 ppm
							1-Methylnaphthalene	0.125 ppm
							2,3,4,6-Tetrachlorophenol	0.125 ppm
							2,4,5-Trichlorophenol	0.125 ppm
							2,4,6-Trichlorophenol	0.125 ppm
							2,4-Dichlorophenol	0.125 ppm
							2,4-Dimethylphenol	0.125 ppm
							2,4-Dinitrophenol	1.25 ppm
							2,4-Dinitrotoluene	0.125 ppm
							2,6-Dichlorophenol	0.125 ppm
							2,6-Dinitrotoluene	0.125 ppm
							2-Chloronaphthalene	0.125 ppm
							2-Chlorophenol	0.125 ppm
							2-Methylnaphthalene	0.125 ppm
							2-Nitroaniline	0.125 ppm
							2-Nitrophenol	0.125 ppm
							3-Nitroaniline	0.125 ppm
							4,6-Dinitro-2-methylphenol	0.75 ppm
							4-Bromophenyl-phenylether	0.125 ppm
							4-Chloro-3-methylphenol	0.125 ppm
							4-Chloroaniline	0.125 ppm
							4-Chlorophenyl-phenyl ether	0.125 ppm
							4-Nitroaniline	0.125 ppm
							4-Nitrophenol	0.75 ppm
							Acenaphthene	0.125 ppm
							Acenaphthylene	0.125 ppm
							Acetophenone	0.125 ppm
							Aniline	0.125 ppm
							Anthracene	0.125 ppm
							Benzo[a]anthracene	0.125 ppm
							Benzo[a]pyrene	0.125 ppm
							Benzo[b]fluoranthene	0.125 ppm
							Benzo[g,h,i]perylene	0.125 ppm
							Benzo[k]fluoranthene	0.125 ppm
							Benzyl alcohol	0.125 ppm
							bis (2-chloroisopropyl) ether	0.125 ppm
							Bis(2-chloroethoxy)methane	0.125 ppm
							Bis(2-chloroethyl)ether	0.125 ppm
							Bis(2-ethylhexyl) phthalate	0.125 ppm
							Butyl benzyl phthalate	0.125 ppm
							Carbazole	0.125 ppm
							Chrysene	0.125 ppm
							Di-n-butyl phthalate	0.125 ppm
							Di-n-octyl phthalate	0.125 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	0.125 ppm
							Dibenzofuran	0.125 ppm
							Diethyl phthalate	0.125 ppm
							Dimethyl phthalate	0.125 ppm
							Fluoranthene	0.125 ppm
							Fluorene	0.125 ppm
							Hexachlorobenzene	0.125 ppm
							Hexachlorobutadiene	0.125 ppm
							Hexachlorocyclopentadiene	0.125 ppm
							Hexachloroethane	0.125 ppm
							Indeno[1,2,3-cd]pyrene	0.125 ppm
							Isophorone	0.125 ppm
							m & p-Cresol	0.125 ppm
							N-Nitrosodi-n-propylamine	0.125 ppm
							N-Nitrosodimethylamine	0.125 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	0.10625 ppm
							Naphthalene	0.125 ppm
							Nitrobenzene	0.125 ppm
							o-Cresol	0.125 ppm
							Pentachlorophenol	0.625 ppm
							Phenanthrene	0.125 ppm
							Phenol	0.125 ppm
							Pyrene	0.125 ppm
							Pyridine	0.25 ppm
							3,3'-Dichlorobenzidine	0.125 ppm
							Atrazine	0.125 ppm
							Benzaldehyde	0.125 ppm
							Caprolactam	0.125 ppm
							1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
					MSS_RV8270_IS_00110	20 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_RV8270_2_00044	08/28/25	06/23/25	MeCl2, Lot 65052	5 mL	MSS_8270_APWS_00028	5 uL	Benzidine	0.75 ppm
							1,3,5-Trinitrobenzene	0.25 ppm
							1,4-Dinitrobenzene	0.25 ppm
							1-Naphthylamine	0.25 ppm
							2-Acetylaminofluorene	0.25 ppm
							2-Naphthylamine	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Picoline	0.25 ppm
							2-Toluidine	0.25 ppm
							3,3'-Dimethylbenzidine	0.25 ppm
							4,4'-Methylene bis(2-chloroaniline)	0.25 ppm
							4-Aminobiphenyl	0.25 ppm
							4-Nitroquinoline-1-oxide	0.25 ppm
							5-Nitro-o-toluidine	0.25 ppm
							Dibenz[a,h]acridine	0.25 ppm
							N-Nitrosodi-n-butylamine	0.25 ppm
							N-Nitrosodiethylamine	0.25 ppm
							N-Nitrosomethylethylamine	0.25 ppm
							N-Nitrosomorpholine	0.25 ppm
							N-Nitrosopiperidine	0.25 ppm
							N-Nitrosopyrrolidine	0.25 ppm
							p-Dimethylamino azobenzene	0.25 ppm
							p-Phenylene diamine	0.25 ppm
							Pentachloronitrobenzene	0.25 ppm
							Phenacetin	0.25 ppm
							Pronamide	0.25 ppm
							Quinoline	0.25 ppm
							1,4-Naphthoquinone	0.25 ppm
							1-Chloronaphthalene	0.25 ppm
							7,12-Dimethylbenz(a)anthracene	0.25 ppm
							Chlorobenzilate	0.25 ppm
							Dinoseb	0.25 ppm
							Ethyl methanesulfonate	0.25 ppm
							Hexachloropropene	0.25 ppm
							Isodrin	0.25 ppm
							Isosafrole Peak 1	0.04 ppm
							Isosafrole Peak 2	0.21 ppm
							Methyl methanesulfonate	0.25 ppm
							Pentachlorobenzene	0.25 ppm
							3-Methylcholanthrene	0.25 ppm
							6-Methylchrysene	0.25 ppm
							cis-Diallate	0.185 ppm
							Dimethoate	0.25 ppm
							Disulfoton	0.25 ppm
							Ethyl Parathion	0.25 ppm
							Methyl parathion	0.25 ppm
							o,o',o''-Triethylphosphorothioate	0.25 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	0.25 ppm
							Phorate	0.25 ppm
							Safrole, Total	0.25 ppm
							Sulfotepp	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-Diallate	0.065 ppm
					MSS_8270_WS_00027	5 uL	2,4,6-Tribromophenol (Surr)	0.5 ppm
							2-Fluorobiphenyl (Surr)	0.5 ppm
							2-Fluorophenol (Surr)	0.5 ppm
							Nitrobenzene-d5 (Surr)	0.5 ppm
							p-Terphenyl-d14 (Surr)	0.5 ppm
							Phenol-d5 (Surr)	0.5 ppm
							Alpha-Terpineol	0.25 ppm
							Dimethylformamide	0.25 ppm
							Octachlorostyrene	0.25 ppm
							Phenyl ether	0.25 ppm
							Dibenz[a,j]acridine	0.25 ppm
							1,1'-Biphenyl	0.25 ppm
							1,2,4,5-Tetrachlorobenzene	0.25 ppm
							1,2,4-Trichlorobenzene	0.25 ppm
							1,2-Dichlorobenzene	0.25 ppm
							1,2-Diphenylhydrazine	0.25 ppm
							1,3-Dichlorobenzene	0.25 ppm
							1,3-Dinitrobenzene	0.25 ppm
							1,4-Dichlorobenzene	0.25 ppm
							1,4-Dioxane	0.25 ppm
							1-Methylnaphthalene	0.25 ppm
							2,3,4,6-Tetrachlorophenol	0.25 ppm
							2,4,5-Trichlorophenol	0.25 ppm
							2,4,6-Trichlorophenol	0.25 ppm
							2,4-Dichlorophenol	0.25 ppm
							2,4-Dimethylphenol	0.25 ppm
							2,4-Dinitrophenol	2.5 ppm
							2,4-Dinitrotoluene	0.25 ppm
							2,6-Dichlorophenol	0.25 ppm
							2,6-Dinitrotoluene	0.25 ppm
							2-Chloronaphthalene	0.25 ppm
							2-Chlorophenol	0.25 ppm
							2-Methylnaphthalene	0.25 ppm
							2-Nitroaniline	0.25 ppm
							2-Nitrophenol	0.25 ppm
							3-Nitroaniline	0.25 ppm
							4,6-Dinitro-2-methylphenol	1.5 ppm
							4-Bromophenyl-phenylether	0.25 ppm
							4-Chloro-3-methylphenol	0.25 ppm
							4-Chloroaniline	0.25 ppm
							4-Chlorophenyl-phenyl ether	0.25 ppm
							4-Nitroaniline	0.25 ppm
							4-Nitrophenol	1.5 ppm
							Acenaphthene	0.25 ppm
							Acenaphthylene	0.25 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetophenone	0.25 ppm
							Aniline	0.25 ppm
							Anthracene	0.25 ppm
							Benzo[a]anthracene	0.25 ppm
							Benzo[a]pyrene	0.25 ppm
							Benzo[b]fluoranthene	0.25 ppm
							Benzo[g,h,i]perylene	0.25 ppm
							Benzo[k]fluoranthene	0.25 ppm
							Benzyl alcohol	0.25 ppm
							bis (2-chloroisopropyl) ether	0.25 ppm
							Bis(2-chloroethoxy)methane	0.25 ppm
							Bis(2-chloroethyl)ether	0.25 ppm
							Bis(2-ethylhexyl) phthalate	0.25 ppm
							Butyl benzyl phthalate	0.25 ppm
							Carbazole	0.25 ppm
							Chrysene	0.25 ppm
							Di-n-butyl phthalate	0.25 ppm
							Di-n-octyl phthalate	0.25 ppm
							Dibenz(a,h)anthracene	0.25 ppm
							Dibenzofuran	0.25 ppm
							Diethyl phthalate	0.25 ppm
							Dimethyl phthalate	0.25 ppm
							Fluoranthene	0.25 ppm
							Fluorene	0.25 ppm
							Hexachlorobenzene	0.25 ppm
							Hexachlorobutadiene	0.25 ppm
							Hexachlorocyclopentadiene	0.25 ppm
							Hexachloroethane	0.25 ppm
							Indeno[1,2,3-cd]pyrene	0.25 ppm
							Isophorone	0.25 ppm
							m & p-Cresol	0.25 ppm
							N-Nitrosodi-n-propylamine	0.25 ppm
							N-Nitrosodimethylamine	0.25 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	0.2125 ppm
							Naphthalene	0.25 ppm
							Nitrobenzene	0.25 ppm
							o-Cresol	0.25 ppm
							Pentachlorophenol	1.25 ppm
							Phenanthrene	0.25 ppm
							Phenol	0.25 ppm
							Pyrene	0.25 ppm
							Pyridine	0.5 ppm
							3,3'-Dichlorobenzidine	0.25 ppm
							Benzidine	0.75 ppm
					MSS_AB_24DNP_00009	10 uL	2,4-Dinitrophenol	2.5 ppm
					MSS_AB_46D2MP_00006	5 uL	4,6-Dinitro-2-methylphenol	1.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSS_AB_4NP_00006	5 uL	4-Nitrophenol	1.5 ppm
					MSS_AB_PCP_00004	3.75 uL	Pentachlorophenol	1.25 ppm
					MSS_BAS_WS_00018	12.5 uL	Atrazine	0.25 ppm
							Benzaldehyde	0.25 ppm
							Caprolactam	0.25 ppm
					MSS_RV8270_IS_00110	100 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
..MSS_8270_APWS_00028	12/31/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_AB_BZIDIN_00012	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							5-Nitro-o-toluidine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00018	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00012	10/07/27		Absolute, Lot 100724		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							5-Nitro-o-toluidine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
...OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
...OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							trans-Diallate	260 ug/mL
..MSS_8270_WS_00027	09/30/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00023	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis (2-chloroisopropyl) ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							m & p-Cresol	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							o-Cresol	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
...MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
...OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
...OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
...OP_RES_LCS1_00023	09/30/25	Restek, Lot A0219584			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
...OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
..MSS_AB_46D2MP_00006	08/28/29		Absolute, Lot 082824		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
..MSS_AB_4NP_00006	02/13/28		Absolute, Lot 021323		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
..MSS_AB_PCP_00004	06/22/27		Absolute, Lot 062222		(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
..MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
...OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
...MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_2_00043	06/23/25	02/27/25	MeCl2, Lot 64313	5 mL	MSS_8270_APWS_00024	5 uL	Benzidine	0.75 ppm
							1,3,5-Trinitrobenzene	0.25 ppm
							1,4-Dinitrobenzene	0.25 ppm
							1-Naphthylamine	0.25 ppm
							2-Acetylaminofluorene	0.25 ppm
							2-Naphthylamine	0.25 ppm
							2-Picoline	0.25 ppm
							2-Toluidine	0.25 ppm
							3,3'-Dimethylbenzidine	0.25 ppm
							4,4'-Methylene bis(2-chloroaniline)	0.25 ppm
							4-Aminobiphenyl	0.25 ppm
							4-Nitroquinoline-1-oxide	0.25 ppm
							5-Nitro-o-toluidine	0.25 ppm
							alpha,alpha-Dimethyl phenethylamine	0.25 ppm
							Dibenz[a,h]acridine	0.25 ppm
							N-Nitrosodi-n-butylamine	0.25 ppm
							N-Nitrosodiethylamine	0.25 ppm
							N-Nitrosomethylethylamine	0.25 ppm
							N-Nitrosomorpholine	0.25 ppm
							N-Nitrosopiperidine	0.25 ppm
							N-Nitrosopyrrolidine	0.25 ppm
							p-Dimethylamino azobenzene	0.25 ppm
							p-Phenylene diamine	0.25 ppm
							Pentachloronitrobenzene	0.25 ppm
							Phenacetin	0.25 ppm
							Pronamide	0.25 ppm
							Quinoline	0.25 ppm
							1,4-Naphthoquinone	0.25 ppm
							1-Chloronaphthalene	0.25 ppm
							7,12-Dimethylbenz(a)anthracene	0.25 ppm
							Chlorobenzilate	0.25 ppm
							Dinoseb	0.25 ppm
							Ethyl methanesulfonate	0.25 ppm
							Hexachloropropene	0.25 ppm
							Isodrin	0.25 ppm
							Isosafrole Peak 1	0.04 ppm
							Isosafrole Peak 2	0.21 ppm
							Methyl methanesulfonate	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorobenzene	0.25 ppm
							3-Methylcholanthrene	0.25 ppm
							6-Methylchrysene	0.25 ppm
							cis-Diallate	0.185 ppm
							Dimethoate	0.25 ppm
							Disulfoton	0.25 ppm
							Ethyl Parathion	0.25 ppm
							Famphur	0.25 ppm
							Methyl parathion	0.25 ppm
							o,o',o''-Triethylphosphorothioate	0.25 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	0.25 ppm
							Phorate	0.25 ppm
							Safrole, Total	0.25 ppm
							Sulfotepp	0.25 ppm
							trans-Diallate	0.065 ppm
					MSS_8270_WS_00026	5 uL	2,4,6-Tribromophenol (Surr)	0.5 ppm
							2-Fluorobiphenyl (Surr)	0.5 ppm
							2-Fluorophenol (Surr)	0.5 ppm
							Nitrobenzene-d5 (Surr)	0.5 ppm
							p-Terphenyl-d14 (Surr)	0.5 ppm
							Phenol-d5 (Surr)	0.5 ppm
							Alpha-Terpineol	0.25 ppm
							Dimethylformamide	0.25 ppm
							Octachlorostyrene	0.25 ppm
							Phenyl ether	0.25 ppm
							Dibenz[a,j]acridine	0.25 ppm
							1,1'-Biphenyl	0.25 ppm
							1,2,4,5-Tetrachlorobenzene	0.25 ppm
							1,2,4-Trichlorobenzene	0.25 ppm
							1,2-Dichlorobenzene	0.25 ppm
							1,2-Diphenylhydrazine	0.25 ppm
							1,3-Dichlorobenzene	0.25 ppm
							1,3-Dinitrobenzene	0.25 ppm
							1,4-Dichlorobenzene	0.25 ppm
							1,4-Dioxane	0.25 ppm
							1-Methylnaphthalene	0.25 ppm
							2,3,4,6-Tetrachlorophenol	0.25 ppm
							2,4,5-Trichlorophenol	0.25 ppm
							2,4,6-Trichlorophenol	0.25 ppm
							2,4-Dichlorophenol	0.25 ppm
							2,4-Dimethylphenol	0.25 ppm
							2,4-Dinitrophenol	2.5 ppm
							2,4-Dinitrotoluene	0.25 ppm
							2,6-Dichlorophenol	0.25 ppm
							2,6-Dinitrotoluene	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	0.25 ppm
							2-Chlorophenol	0.25 ppm
							2-Methylnaphthalene	0.25 ppm
							2-Nitroaniline	0.25 ppm
							2-Nitrophenol	0.25 ppm
							3-Nitroaniline	0.25 ppm
							4,6-Dinitro-2-methylphenol	1.5 ppm
							4-Bromophenyl-phenylether	0.25 ppm
							4-Chloro-3-methylphenol	0.25 ppm
							4-Chloroaniline	0.25 ppm
							4-Chlorophenyl-phenyl ether	0.25 ppm
							4-Nitroaniline	0.25 ppm
							4-Nitrophenol	1.5 ppm
							Acenaphthene	0.25 ppm
							Acenaphthylene	0.25 ppm
							Acetophenone	0.25 ppm
							Aniline	0.25 ppm
							Anthracene	0.25 ppm
							Benzo[a]anthracene	0.25 ppm
							Benzo[a]pyrene	0.25 ppm
							Benzo[b]fluoranthene	0.25 ppm
							Benzo[g,h,i]perylene	0.25 ppm
							Benzo[k]fluoranthene	0.25 ppm
							Benzyl alcohol	0.25 ppm
							bis (2-chloroisopropyl) ether	0.25 ppm
							Bis(2-chloroethoxy)methane	0.25 ppm
							Bis(2-chloroethyl)ether	0.25 ppm
							Bis(2-ethylhexyl) phthalate	0.25 ppm
							Butyl benzyl phthalate	0.25 ppm
							Carbazole	0.25 ppm
							Chrysene	0.25 ppm
							Di-n-butyl phthalate	0.25 ppm
							Di-n-octyl phthalate	0.25 ppm
							Dibenz(a,h)anthracene	0.25 ppm
							Dibenzofuran	0.25 ppm
							Diethyl phthalate	0.25 ppm
							Dimethyl phthalate	0.25 ppm
							Fluoranthene	0.25 ppm
							Fluorene	0.25 ppm
							Hexachlorobenzene	0.25 ppm
							Hexachlorobutadiene	0.25 ppm
							Hexachlorocyclopentadiene	0.25 ppm
							Hexachloroethane	0.25 ppm
							Indeno[1,2,3-cd]pyrene	0.25 ppm
							Isophorone	0.25 ppm
							m & p-Cresol	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	0.25 ppm
							N-Nitrosodimethylamine	0.25 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	0.2125 ppm
							Naphthalene	0.25 ppm
							Nitrobenzene	0.25 ppm
							o-Cresol	0.25 ppm
							Pentachlorophenol	1.25 ppm
							Phenanthrene	0.25 ppm
							Phenol	0.25 ppm
							Pyrene	0.25 ppm
							Pyridine	0.5 ppm
							3,3'-Dichlorobenzidine	0.25 ppm
							Benzidine	0.75 ppm
					MSS_AB_24DNP_00009	10 uL	2,4-Dinitrophenol	2.5 ppm
					MSS_AB_46D2MP_00006	5 uL	4,6-Dinitro-2-methylphenol	1.5 ppm
					MSS_AB_4NP_00006	5 uL	4-Nitrophenol	1.5 ppm
					MSS_AB_PCP_00004	3.75 uL	Pentachlorophenol	1.25 ppm
					MSS_BAS_WS_00017	12.5 uL	Atrazine	0.25 ppm
							Benzaldehyde	0.25 ppm
							Caprolactam	0.25 ppm
					MSS_RV8270_IS_00103	100 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							5-Nitro-o-toluidine	250 ppm
							alpha,alpha-Dimethyl phenethylamine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Famphur	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							5-Nitro-o-toluidine	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis (2-chloroisopropyl) ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							m & p-Cresol	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							o-Cresol	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25		Restek, Lot 0006819172		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27		Restek, Lot A0216024		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25		Restek, Lot A0216029		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_AB_46D2MP_00006	08/28/29		Absolute, Lot 082824		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
.MSS_AB_4NP_00006	02/13/28		Absolute, Lot 021323		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
.MSS_AB_PCP_00004	06/22/27		Absolute, Lot 062222		(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
.MSS_BAS_WS_00017	06/23/25	12/23/24	MeCl2, Lot 64299	5 mL	OP_LCSmix2stk_00009	250 uL	Atrazine	100 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00009	11/30/25		Restek, Lot A0212130		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_2_00044	08/28/25	06/23/25	MeCl2, Lot 65052	5 mL	MSS_8270_APWS_00028	5 uL	Benzidine	0.75 ppm
							1,3,5-Trinitrobenzene	0.25 ppm
							1,4-Dinitrobenzene	0.25 ppm
							1-Naphthylamine	0.25 ppm
							2-Acetylaminofluorene	0.25 ppm
							2-Naphthylamine	0.25 ppm
							2-Picoline	0.25 ppm
							2-Toluidine	0.25 ppm
							3,3'-Dimethylbenzidine	0.25 ppm
							4,4'-Methylene bis(2-chloroaniline)	0.25 ppm
							4-Aminobiphenyl	0.25 ppm
							4-Nitroquinoline-1-oxide	0.25 ppm
							5-Nitro-o-toluidine	0.25 ppm
							Dibenz[a,h]acridine	0.25 ppm
							N-Nitrosodi-n-butylamine	0.25 ppm
							N-Nitrosodiethylamine	0.25 ppm
							N-Nitrosomethylethylamine	0.25 ppm
							N-Nitrosomorpholine	0.25 ppm
							N-Nitrosopiperidine	0.25 ppm
							N-Nitrosopyrrolidine	0.25 ppm
							p-Dimethylamino azobenzene	0.25 ppm
							p-Phenylene diamine	0.25 ppm
							Pentachloronitrobenzene	0.25 ppm
							Phenacetin	0.25 ppm
							Pronamide	0.25 ppm
							Quinoline	0.25 ppm
							1,4-Naphthoquinone	0.25 ppm
							1-Chloronaphthalene	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							7,12-Dimethylbenz(a)anthracene	0.25 ppm
							Chlorobenzilate	0.25 ppm
							Dinoseb	0.25 ppm
							Ethyl methanesulfonate	0.25 ppm
							Hexachloropropene	0.25 ppm
							Isodrin	0.25 ppm
							Isosafrole Peak 1	0.04 ppm
							Isosafrole Peak 2	0.21 ppm
							Methyl methanesulfonate	0.25 ppm
							Pentachlorobenzene	0.25 ppm
							3-Methylcholanthrene	0.25 ppm
							6-Methylchrysene	0.25 ppm
							cis-Diallate	0.185 ppm
							Dimethoate	0.25 ppm
							Disulfoton	0.25 ppm
							Ethyl Parathion	0.25 ppm
							Methyl parathion	0.25 ppm
							o,o',o''-Triethylphosphorothioate	0.25 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	0.25 ppm
							Phorate	0.25 ppm
							Safrole, Total	0.25 ppm
							Sulfotepp	0.25 ppm
							trans-Diallate	0.065 ppm
					MSS_8270_WS_00027	5 uL	2,4,6-Tribromophenol (Surr)	0.5 ppm
							2-Fluorobiphenyl (Surr)	0.5 ppm
							2-Fluorophenol (Surr)	0.5 ppm
							Nitrobenzene-d5 (Surr)	0.5 ppm
							p-Terphenyl-d14 (Surr)	0.5 ppm
							Phenol-d5 (Surr)	0.5 ppm
							Alpha-Terpineol	0.25 ppm
							Dimethylformamide	0.25 ppm
							Octachlorostyrene	0.25 ppm
							Phenyl ether	0.25 ppm
							Dibenz[a,j]acridine	0.25 ppm
							1,1'-Biphenyl	0.25 ppm
							1,2,4,5-Tetrachlorobenzene	0.25 ppm
							1,2,4-Trichlorobenzene	0.25 ppm
							1,2-Dichlorobenzene	0.25 ppm
							1,2-Diphenylhydrazine	0.25 ppm
							1,3-Dichlorobenzene	0.25 ppm
							1,3-Dinitrobenzene	0.25 ppm
							1,4-Dichlorobenzene	0.25 ppm
							1,4-Dioxane	0.25 ppm
							1-Methylnaphthalene	0.25 ppm
							2,3,4,6-Tetrachlorophenol	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	0.25 ppm
							2,4,6-Trichlorophenol	0.25 ppm
							2,4-Dichlorophenol	0.25 ppm
							2,4-Dimethylphenol	0.25 ppm
							2,4-Dinitrophenol	2.5 ppm
							2,4-Dinitrotoluene	0.25 ppm
							2,6-Dichlorophenol	0.25 ppm
							2,6-Dinitrotoluene	0.25 ppm
							2-Chloronaphthalene	0.25 ppm
							2-Chlorophenol	0.25 ppm
							2-Methylnaphthalene	0.25 ppm
							2-Nitroaniline	0.25 ppm
							2-Nitrophenol	0.25 ppm
							3-Nitroaniline	0.25 ppm
							4,6-Dinitro-2-methylphenol	1.5 ppm
							4-Bromophenyl-phenylether	0.25 ppm
							4-Chloro-3-methylphenol	0.25 ppm
							4-Chloroaniline	0.25 ppm
							4-Chlorophenyl-phenyl ether	0.25 ppm
							4-Nitroaniline	0.25 ppm
							4-Nitrophenol	1.5 ppm
							Acenaphthene	0.25 ppm
							Acenaphthylene	0.25 ppm
							Acetophenone	0.25 ppm
							Aniline	0.25 ppm
							Anthracene	0.25 ppm
							Benzo[a]anthracene	0.25 ppm
							Benzo[a]pyrene	0.25 ppm
							Benzo[b]fluoranthene	0.25 ppm
							Benzo[g,h,i]perylene	0.25 ppm
							Benzo[k]fluoranthene	0.25 ppm
							Benzyl alcohol	0.25 ppm
							bis (2-chloroisopropyl) ether	0.25 ppm
							Bis(2-chloroethoxy)methane	0.25 ppm
							Bis(2-chloroethyl)ether	0.25 ppm
							Bis(2-ethylhexyl) phthalate	0.25 ppm
							Butyl benzyl phthalate	0.25 ppm
							Carbazole	0.25 ppm
							Chrysene	0.25 ppm
							Di-n-butyl phthalate	0.25 ppm
							Di-n-octyl phthalate	0.25 ppm
							Dibenz(a,h)anthracene	0.25 ppm
							Dibenzofuran	0.25 ppm
							Diethyl phthalate	0.25 ppm
							Dimethyl phthalate	0.25 ppm
							Fluoranthene	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	0.25 ppm
							Hexachlorobenzene	0.25 ppm
							Hexachlorobutadiene	0.25 ppm
							Hexachlorocyclopentadiene	0.25 ppm
							Hexachloroethane	0.25 ppm
							Indeno[1,2,3-cd]pyrene	0.25 ppm
							Isophorone	0.25 ppm
							m & p-Cresol	0.25 ppm
							N-Nitrosodi-n-propylamine	0.25 ppm
							N-Nitrosodimethylamine	0.25 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	0.2125 ppm
							Naphthalene	0.25 ppm
							Nitrobenzene	0.25 ppm
							o-Cresol	0.25 ppm
							Pentachlorophenol	1.25 ppm
							Phenanthrene	0.25 ppm
							Phenol	0.25 ppm
							Pyrene	0.25 ppm
							Pyridine	0.5 ppm
							3,3'-Dichlorobenzidine	0.25 ppm
							Benzidine	0.75 ppm
					MSS_AB_24DNP_00009	10 uL	2,4-Dinitrophenol	2.5 ppm
					MSS_AB_46D2MP_00006	5 uL	4,6-Dinitro-2-methylphenol	1.5 ppm
					MSS_AB_4NP_00006	5 uL	4-Nitrophenol	1.5 ppm
					MSS_AB_PCP_00004	3.75 uL	Pentachlorophenol	1.25 ppm
					MSS_BAS_WS_00018	12.5 uL	Atrazine	0.25 ppm
							Benzaldehyde	0.25 ppm
							Caprolactam	0.25 ppm
					MSS_RV8270_IS_00110	100 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00028	12/31/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_AB_BZIDIN_00012	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroquinoline-1-oxide	250 ppm
							5-Nitro-o-toluidine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00018	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00012	10/07/27		Absolute, Lot 100724		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							5-Nitro-o-toluidine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Sulfotepp	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00027	09/30/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00023	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis (2-chloroisopropyl) ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							m & p-Cresol	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							o-Cresol	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26		Sigma- Aldrich, Lot LRAD7196		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25		Restek, Lot 0006819172		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27		Restek, Lot A0216024		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00023	09/30/25		Restek, Lot A0219584		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_AB_46D2MP_00006	08/28/29		Absolute, Lot 082824		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
.MSS_AB_4NP_00006	02/13/28		Absolute, Lot 021323		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
.MSS_AB_PCP_00004	06/22/27		Absolute, Lot 062222		(Purchased Reagent)		Pentachlorophenol	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_3_00041	06/30/25	02/27/25	MeCl2, Lot 64313	2 mL	MSS_8270_APWS_00024	10 uL	Benzidine	3.75 ppm
							1,3,5-Trinitrobenzene	1.25 ppm
							1,4-Dinitrobenzene	1.25 ppm
							1-Naphthylamine	1.25 ppm
							2-Acetylaminofluorene	1.25 ppm
							2-Naphthylamine	1.25 ppm
							2-Picoline	1.25 ppm
							2-Toluidine	1.25 ppm
							3,3'-Dimethylbenzidine	1.25 ppm
							4,4'-Methylene bis(2-chloroaniline)	1.25 ppm
							4-Aminobiphenyl	1.25 ppm
							4-Nitroquinoline-1-oxide	1.25 ppm
							5-Nitro-o-toluidine	1.25 ppm
							alpha,alpha-Dimethyl phenethylamine	1.25 ppm
							Dibenz[a,h]acridine	1.25 ppm
							N-Nitrosodi-n-butylamine	1.25 ppm
							N-Nitrosodiethylamine	1.25 ppm
							N-Nitrosomethylethylamine	1.25 ppm
							N-Nitrosomorpholine	1.25 ppm
							N-Nitrosopiperidine	1.25 ppm
							N-Nitrosopyrrolidine	1.25 ppm
							p-Dimethylamino azobenzene	1.25 ppm
							p-Phenylene diamine	1.25 ppm
							Pentachloronitrobenzene	1.25 ppm
							Phenacetin	1.25 ppm
							Pronamide	1.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Quinoline	1.25 ppm
							1,4-Naphthoquinone	1.25 ppm
							1-Chloronaphthalene	1.25 ppm
							7,12-Dimethylbenz(a)anthracene	1.25 ppm
							Chlorobenzilate	1.25 ppm
							Dinoseb	1.25 ppm
							Ethyl methanesulfonate	1.25 ppm
							Hexachloropropene	1.25 ppm
							Isodrin	1.25 ppm
							Isosafrole Peak 1	0.2 ppm
							Isosafrole Peak 2	1.05 ppm
							Methyl methanesulfonate	1.25 ppm
							Pentachlorobenzene	1.25 ppm
							3-Methylcholanthrene	1.25 ppm
							6-Methylchrysene	1.25 ppm
							cis-Diallate	0.925 ppm
							Dimethoate	1.25 ppm
							Disulfoton	1.25 ppm
							Ethyl Parathion	1.25 ppm
							Famphur	1.25 ppm
							Methyl parathion	1.25 ppm
							o,o',o''-Triethylphosphorothioate	1.25 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1.25 ppm
							Phorate	1.25 ppm
							Safrole, Total	1.25 ppm
							Sulfotepp	1.25 ppm
							trans-Diallate	0.325 ppm
					MSS_8270_WS_00026	10 uL	2,4,6-Tribromophenol (Surr)	2.5 ppm
							2-Fluorobiphenyl (Surr)	2.5 ppm
							2-Fluorophenol (Surr)	2.5 ppm
							Nitrobenzene-d5 (Surr)	2.5 ppm
							p-Terphenyl-d14 (Surr)	2.5 ppm
							Phenol-d5 (Surr)	2.5 ppm
							Alpha-Terpineol	1.25 ppm
							Dimethylformamide	1.25 ppm
							Octachlorostyrene	1.25 ppm
							Phenyl ether	1.25 ppm
							Dibenz[a,j]acridine	1.25 ppm
							1,1'-Biphenyl	1.25 ppm
							1,2,4,5-Tetrachlorobenzene	1.25 ppm
							1,2,4-Trichlorobenzene	1.25 ppm
							1,2-Dichlorobenzene	1.25 ppm
							1,2-Diphenylhydrazine	1.25 ppm
							1,3-Dichlorobenzene	1.25 ppm
							1,3-Dinitrobenzene	1.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	1.25 ppm
							1,4-Dioxane	1.25 ppm
							1-Methylnaphthalene	1.25 ppm
							2,3,4,6-Tetrachlorophenol	1.25 ppm
							2,4,5-Trichlorophenol	1.25 ppm
							2,4,6-Trichlorophenol	1.25 ppm
							2,4-Dichlorophenol	1.25 ppm
							2,4-Dimethylphenol	1.25 ppm
							2,4-Dinitrophenol	5 ppm
							2,4-Dinitrotoluene	1.25 ppm
							2,6-Dichlorophenol	1.25 ppm
							2,6-Dinitrotoluene	1.25 ppm
							2-Chloronaphthalene	1.25 ppm
							2-Chlorophenol	1.25 ppm
							2-Methylnaphthalene	1.25 ppm
							2-Nitroaniline	1.25 ppm
							2-Nitrophenol	1.25 ppm
							3-Nitroaniline	1.25 ppm
							4,6-Dinitro-2-methylphenol	3.75 ppm
							4-Bromophenyl-phenylether	1.25 ppm
							4-Chloro-3-methylphenol	1.25 ppm
							4-Chloroaniline	1.25 ppm
							4-Chlorophenyl-phenyl ether	1.25 ppm
							4-Nitroaniline	1.25 ppm
							4-Nitrophenol	3.75 ppm
							Acenaphthene	1.25 ppm
							Acenaphthylene	1.25 ppm
							Acetophenone	1.25 ppm
							Aniline	1.25 ppm
							Anthracene	1.25 ppm
							Benzo[a]anthracene	1.25 ppm
							Benzo[a]pyrene	1.25 ppm
							Benzo[b]fluoranthene	1.25 ppm
							Benzo[g,h,i]perylene	1.25 ppm
							Benzo[k]fluoranthene	1.25 ppm
							Benzyl alcohol	1.25 ppm
							bis (2-chloroisopropyl) ether	1.25 ppm
							Bis(2-chloroethoxy)methane	1.25 ppm
							Bis(2-chloroethyl)ether	1.25 ppm
							Bis(2-ethylhexyl) phthalate	1.25 ppm
							Butyl benzyl phthalate	1.25 ppm
							Carbazole	1.25 ppm
							Chrysene	1.25 ppm
							Di-n-butyl phthalate	1.25 ppm
							Di-n-octyl phthalate	1.25 ppm
							Dibenz(a,h)anthracene	1.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	1.25 ppm
							Diethyl phthalate	1.25 ppm
							Dimethyl phthalate	1.25 ppm
							Fluoranthene	1.25 ppm
							Fluorene	1.25 ppm
							Hexachlorobenzene	1.25 ppm
							Hexachlorobutadiene	1.25 ppm
							Hexachlorocyclopentadiene	1.25 ppm
							Hexachloroethane	1.25 ppm
							Indeno[1,2,3-cd]pyrene	1.25 ppm
							Isophorone	1.25 ppm
							m & p-Cresol	1.25 ppm
							N-Nitrosodi-n-propylamine	1.25 ppm
							N-Nitrosodimethylamine	1.25 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	1.0625 ppm
							Naphthalene	1.25 ppm
							Nitrobenzene	1.25 ppm
							o-Cresol	1.25 ppm
							Pentachlorophenol	2.5 ppm
							Phenanthrene	1.25 ppm
							Phenol	1.25 ppm
							Pyrene	1.25 ppm
							Pyridine	2.5 ppm
							3,3'-Dichlorobenzidine	1.25 ppm
							Benzidine	3.75 ppm
					MSS_AB_24DNP_00009	5 uL	2,4-Dinitrophenol	5 ppm
					MSS_AB_46D2MP_00006	2.5 uL	4,6-Dinitro-2-methylphenol	3.75 ppm
					MSS_AB_4NP_00006	2.5 uL	4-Nitrophenol	3.75 ppm
					MSS_BAS_WS_00018	25 uL	Atrazine	1.25 ppm
							Benzaldehyde	1.25 ppm
							Caprolactam	1.25 ppm
					MSS_RV8270_IS_00103	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							5-Nitro-o-toluidine	250 ppm
							alpha,alpha-Dimethyl phenethylamine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Famphur	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							5-Nitro-o-toluidine	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis (2-chloroisopropyl) ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							m & p-Cresol	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							o-Cresol	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25	Restek, Lot A0216029			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_AB_46D2MP_00006	08/28/29		Absolute, Lot 082824		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
.MSS_AB_4NP_00006	02/13/28		Absolute, Lot 021323		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_3_00042	08/28/25	06/23/25	MeCl2, Lot 65052	2 mL	MSS_8270_APWS_00028	10 uL	Benzidine	3.75 ppm
							1,3,5-Trinitrobenzene	1.25 ppm
							1,4-Dinitrobenzene	1.25 ppm
							1-Naphthylamine	1.25 ppm
							2-Acetylaminofluorene	1.25 ppm
							2-Naphthylamine	1.25 ppm
							2-Picoline	1.25 ppm
							2-Toluidine	1.25 ppm
							3,3'-Dimethylbenzidine	1.25 ppm
							4,4'-Methylene bis(2-chloroaniline)	1.25 ppm
							4-Aminobiphenyl	1.25 ppm
							4-Nitroquinoline-1-oxide	1.25 ppm
							5-Nitro-o-toluidine	1.25 ppm
							Dibenz[a,h]acridine	1.25 ppm
							N-Nitrosodi-n-butylamine	1.25 ppm
							N-Nitrosodiethylamine	1.25 ppm
							N-Nitrosomethylethylamine	1.25 ppm
							N-Nitrosomorpholine	1.25 ppm
							N-Nitrosopiperidine	1.25 ppm
							N-Nitrosopyrrolidine	1.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Dimethylamino azobenzene	1.25 ppm
							p-Phenylene diamine	1.25 ppm
							Pentachloronitrobenzene	1.25 ppm
							Phenacetin	1.25 ppm
							Pronamide	1.25 ppm
							Quinoline	1.25 ppm
							1,4-Naphthoquinone	1.25 ppm
							1-Chloronaphthalene	1.25 ppm
							7,12-Dimethylbenz(a)anthracene	1.25 ppm
							Chlorobenzilate	1.25 ppm
							Dinoseb	1.25 ppm
							Ethyl methanesulfonate	1.25 ppm
							Hexachloropropene	1.25 ppm
							Isodrin	1.25 ppm
							Isosafrole Peak 1	0.2 ppm
							Isosafrole Peak 2	1.05 ppm
							Methyl methanesulfonate	1.25 ppm
							Pentachlorobenzene	1.25 ppm
							3-Methylcholanthrene	1.25 ppm
							6-Methylchrysene	1.25 ppm
							cis-Diallate	0.925 ppm
							Dimethoate	1.25 ppm
							Disulfoton	1.25 ppm
							Ethyl Parathion	1.25 ppm
							Methyl parathion	1.25 ppm
							o,o',o''-Triethylphosphorothioate	1.25 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1.25 ppm
							Phorate	1.25 ppm
							Safrole, Total	1.25 ppm
							Sulfotepp	1.25 ppm
							trans-Diallate	0.325 ppm
					MSS_8270_WS_00027	10 uL	2,4,6-Tribromophenol (Surr)	2.5 ppm
							2-Fluorobiphenyl (Surr)	2.5 ppm
							2-Fluorophenol (Surr)	2.5 ppm
							Nitrobenzene-d5 (Surr)	2.5 ppm
							p-Terphenyl-d14 (Surr)	2.5 ppm
							Phenol-d5 (Surr)	2.5 ppm
							Alpha-Terpineol	1.25 ppm
							Dimethylformamide	1.25 ppm
							Octachlorostyrene	1.25 ppm
							Phenyl ether	1.25 ppm
							Dibenz[a,j]acridine	1.25 ppm
							1,1'-Biphenyl	1.25 ppm
							1,2,4,5-Tetrachlorobenzene	1.25 ppm
							1,2,4-Trichlorobenzene	1.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	1.25 ppm
							1,2-Diphenylhydrazine	1.25 ppm
							1,3-Dichlorobenzene	1.25 ppm
							1,3-Dinitrobenzene	1.25 ppm
							1,4-Dichlorobenzene	1.25 ppm
							1,4-Dioxane	1.25 ppm
							1-Methylnaphthalene	1.25 ppm
							2,3,4,6-Tetrachlorophenol	1.25 ppm
							2,4,5-Trichlorophenol	1.25 ppm
							2,4,6-Trichlorophenol	1.25 ppm
							2,4-Dichlorophenol	1.25 ppm
							2,4-Dimethylphenol	1.25 ppm
							2,4-Dinitrophenol	5 ppm
							2,4-Dinitrotoluene	1.25 ppm
							2,6-Dichlorophenol	1.25 ppm
							2,6-Dinitrotoluene	1.25 ppm
							2-Chloronaphthalene	1.25 ppm
							2-Chlorophenol	1.25 ppm
							2-Methylnaphthalene	1.25 ppm
							2-Nitroaniline	1.25 ppm
							2-Nitrophenol	1.25 ppm
							3-Nitroaniline	1.25 ppm
							4,6-Dinitro-2-methylphenol	3.75 ppm
							4-Bromophenyl-phenylether	1.25 ppm
							4-Chloro-3-methylphenol	1.25 ppm
							4-Chloroaniline	1.25 ppm
							4-Chlorophenyl-phenyl ether	1.25 ppm
							4-Nitroaniline	1.25 ppm
							4-Nitrophenol	3.75 ppm
							Acenaphthene	1.25 ppm
							Acenaphthylene	1.25 ppm
							Acetophenone	1.25 ppm
							Aniline	1.25 ppm
							Anthracene	1.25 ppm
							Benzo[a]anthracene	1.25 ppm
							Benzo[a]pyrene	1.25 ppm
							Benzo[b]fluoranthene	1.25 ppm
							Benzo[g,h,i]perylene	1.25 ppm
							Benzo[k]fluoranthene	1.25 ppm
							Benzyl alcohol	1.25 ppm
							bis (2-chloroisopropyl) ether	1.25 ppm
							Bis(2-chloroethoxy)methane	1.25 ppm
							Bis(2-chloroethyl)ether	1.25 ppm
							Bis(2-ethylhexyl) phthalate	1.25 ppm
							Butyl benzyl phthalate	1.25 ppm
							Carbazole	1.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	1.25 ppm
							Di-n-butyl phthalate	1.25 ppm
							Di-n-octyl phthalate	1.25 ppm
							Dibenz(a,h)anthracene	1.25 ppm
							Dibenzofuran	1.25 ppm
							Diethyl phthalate	1.25 ppm
							Dimethyl phthalate	1.25 ppm
							Fluoranthene	1.25 ppm
							Fluorene	1.25 ppm
							Hexachlorobenzene	1.25 ppm
							Hexachlorobutadiene	1.25 ppm
							Hexachlorocyclopentadiene	1.25 ppm
							Hexachloroethane	1.25 ppm
							Indeno[1,2,3-cd]pyrene	1.25 ppm
							Isophorone	1.25 ppm
							m & p-Cresol	1.25 ppm
							N-Nitrosodi-n-propylamine	1.25 ppm
							N-Nitrosodimethylamine	1.25 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	1.0625 ppm
							Naphthalene	1.25 ppm
							Nitrobenzene	1.25 ppm
							o-Cresol	1.25 ppm
							Pentachlorophenol	2.5 ppm
							Phenanthrene	1.25 ppm
							Phenol	1.25 ppm
							Pyrene	1.25 ppm
							Pyridine	2.5 ppm
							3,3'-Dichlorobenzidine	1.25 ppm
							Benzidine	3.75 ppm
					MSS_AB_24DNP_00009	5 uL	2,4-Dinitrophenol	5 ppm
					MSS_AB_46D2MP_00006	2.5 uL	4,6-Dinitro-2-methylphenol	3.75 ppm
					MSS_AB_4NP_00006	2.5 uL	4-Nitrophenol	3.75 ppm
					MSS_BAS_WS_00018	25 uL	Atrazine	1.25 ppm
							Benzaldehyde	1.25 ppm
							Caprolactam	1.25 ppm
					MSS_RV8270_IS_00110	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00028	12/31/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_AB_BZIDIN_00012	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							5-Nitro-o-toluidine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00018	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Sulfotepp	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00012	10/07/27		Absolute, Lot 100724		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							5-Nitro-o-toluidine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00027	09/30/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00023	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis (2-chloroisopropyl) ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							m & p-Cresol	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							o-Cresol	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26		Sigma- Aldrich, Lot LRAD7196		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25		Restek, Lot 0006819172		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27		Restek, Lot A0216024		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00023	09/30/25		Restek, Lot A0219584		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_AB_46D2MP_00006	08/28/29		Absolute, Lot 082824		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
.MSS_AB_4NP_00006	02/13/28		Absolute, Lot 021323		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_4_00040	06/30/25	02/27/25	MeCl2, Lot 64313	2 mL	MSS_8270_APWS_00024	30 uL	Benzidine	11.25 ppm
							1,3,5-Trinitrobenzene	3.75 ppm
							1,4-Dinitrobenzene	3.75 ppm
							1-Naphthylamine	3.75 ppm
							2-Acetylaminofluorene	3.75 ppm
							2-Naphthylamine	3.75 ppm
							2-Picoline	3.75 ppm
							2-Toluidine	3.75 ppm
							3,3'-Dimethylbenzidine	3.75 ppm
							4,4'-Methylene bis(2-chloroaniline)	3.75 ppm
							4-Aminobiphenyl	3.75 ppm
							4-Nitroquinoline-1-oxide	3.75 ppm
							5-Nitro-o-toluidine	3.75 ppm
							alpha,alpha-Dimethyl phenethylamine	3.75 ppm
							Dibenz[a,h]acridine	3.75 ppm
							N-Nitrosodi-n-butylamine	3.75 ppm
							N-Nitrosodiethylamine	3.75 ppm
							N-Nitrosomethylethylamine	3.75 ppm
							N-Nitrosomorpholine	3.75 ppm
							N-Nitrosopiperidine	3.75 ppm
							N-Nitrosopyrrolidine	3.75 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Dimethylamino azobenzene	3.75 ppm
							p-Phenylene diamine	3.75 ppm
							Pentachloronitrobenzene	3.75 ppm
							Phenacetin	3.75 ppm
							Pronamide	3.75 ppm
							Quinoline	3.75 ppm
							1,4-Naphthoquinone	3.75 ppm
							1-Chloronaphthalene	3.75 ppm
							7,12-Dimethylbenz(a)anthracene	3.75 ppm
							Chlorobenzilate	3.75 ppm
							Dinoseb	3.75 ppm
							Ethyl methanesulfonate	3.75 ppm
							Hexachloropropene	3.75 ppm
							Isodrin	3.75 ppm
							Isosafrole Peak 1	0.6 ppm
							Isosafrole Peak 2	3.15 ppm
							Methyl methanesulfonate	3.75 ppm
							Pentachlorobenzene	3.75 ppm
							3-Methylcholanthrene	3.75 ppm
							6-Methylchrysene	3.75 ppm
							cis-Diallate	2.775 ppm
							Dimethoate	3.75 ppm
							Disulfoton	3.75 ppm
							Ethyl Parathion	3.75 ppm
							Famphur	3.75 ppm
							Methyl parathion	3.75 ppm
							o,o',o''-Triethylphosphorothioate	3.75 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	3.75 ppm
							Phorate	3.75 ppm
							Safrole, Total	3.75 ppm
							Sulfotepp	3.75 ppm
							trans-Diallate	0.975 ppm
					MSS_8270_WS_00026	30 uL	2,4,6-Tribromophenol (Surr)	7.5 ppm
							2-Fluorobiphenyl (Surr)	7.5 ppm
							2-Fluorophenol (Surr)	7.5 ppm
							Nitrobenzene-d5 (Surr)	7.5 ppm
							p-Terphenyl-d14 (Surr)	7.5 ppm
							Phenol-d5 (Surr)	7.5 ppm
							Alpha-Terpineol	3.75 ppm
							Dimethylformamide	3.75 ppm
							Octachlorostyrene	3.75 ppm
							Phenyl ether	3.75 ppm
							Dibenz[a,j]acridine	3.75 ppm
							1,1'-Biphenyl	3.75 ppm
							1,2,4,5-Tetrachlorobenzene	3.75 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	3.75 ppm
							1,2-Dichlorobenzene	3.75 ppm
							1,2-Diphenylhydrazine	3.75 ppm
							1,3-Dichlorobenzene	3.75 ppm
							1,3-Dinitrobenzene	3.75 ppm
							1,4-Dichlorobenzene	3.75 ppm
							1,4-Dioxane	3.75 ppm
							1-Methylnaphthalene	3.75 ppm
							2,3,4,6-Tetrachlorophenol	3.75 ppm
							2,4,5-Trichlorophenol	3.75 ppm
							2,4,6-Trichlorophenol	3.75 ppm
							2,4-Dichlorophenol	3.75 ppm
							2,4-Dimethylphenol	3.75 ppm
							2,4-Dinitrophenol	11.25 ppm
							2,4-Dinitrotoluene	3.75 ppm
							2,6-Dichlorophenol	3.75 ppm
							2,6-Dinitrotoluene	3.75 ppm
							2-Chloronaphthalene	3.75 ppm
							2-Chlorophenol	3.75 ppm
							2-Methylnaphthalene	3.75 ppm
							2-Nitroaniline	3.75 ppm
							2-Nitrophenol	3.75 ppm
							3-Nitroaniline	3.75 ppm
							4,6-Dinitro-2-methylphenol	7.5 ppm
							4-Bromophenyl-phenylether	3.75 ppm
							4-Chloro-3-methylphenol	3.75 ppm
							4-Chloroaniline	3.75 ppm
							4-Chlorophenyl-phenyl ether	3.75 ppm
							4-Nitroaniline	3.75 ppm
							4-Nitrophenol	7.5 ppm
							Acenaphthene	3.75 ppm
							Acenaphthylene	3.75 ppm
							Acetophenone	3.75 ppm
							Aniline	3.75 ppm
							Anthracene	3.75 ppm
							Benzo[a]anthracene	3.75 ppm
							Benzo[a]pyrene	3.75 ppm
							Benzo[b]fluoranthene	3.75 ppm
							Benzo[g,h,i]perylene	3.75 ppm
							Benzo[k]fluoranthene	3.75 ppm
							Benzyl alcohol	3.75 ppm
							bis (2-chloroisopropyl) ether	3.75 ppm
							Bis(2-chloroethoxy)methane	3.75 ppm
							Bis(2-chloroethyl)ether	3.75 ppm
							Bis(2-ethylhexyl) phthalate	3.75 ppm
							Butyl benzyl phthalate	3.75 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	3.75 ppm
							Chrysene	3.75 ppm
							Di-n-butyl phthalate	3.75 ppm
							Di-n-octyl phthalate	3.75 ppm
							Dibenz(a,h)anthracene	3.75 ppm
							Dibenzofuran	3.75 ppm
							Diethyl phthalate	3.75 ppm
							Dimethyl phthalate	3.75 ppm
							Fluoranthene	3.75 ppm
							Fluorene	3.75 ppm
							Hexachlorobenzene	3.75 ppm
							Hexachlorobutadiene	3.75 ppm
							Hexachlorocyclopentadiene	3.75 ppm
							Hexachloroethane	3.75 ppm
							Indeno[1,2,3-cd]pyrene	3.75 ppm
							Isophorone	3.75 ppm
							m & p-Cresol	3.75 ppm
							N-Nitrosodi-n-propylamine	3.75 ppm
							N-Nitrosodimethylamine	3.75 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	3.1875 ppm
							Naphthalene	3.75 ppm
							Nitrobenzene	3.75 ppm
							o-Cresol	3.75 ppm
							Pentachlorophenol	7.5 ppm
							Phenanthrene	3.75 ppm
							Phenol	3.75 ppm
							Pyrene	3.75 ppm
							Pyridine	7.5 ppm
							3,3'-Dichlorobenzidine	3.75 ppm
							Benzidine	11.25 ppm
					MSS_AB_24DNP_00009	7.5 uL	2,4-Dinitrophenol	11.25 ppm
					MSS_BAS_WS_00018	75 uL	Atrazine	3.75 ppm
							Benzaldehyde	3.75 ppm
							Caprolactam	3.75 ppm
					MSS_RV8270_IS_00103	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							5-Nitro-o-toluidine	250 ppm
							alpha,alpha-Dimethyl phenethylamine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Famphur	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							5-Nitro-o-toluidine	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis (2-chloroisopropyl) ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							m & p-Cresol	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	212.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							o-Cresol	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25	Restek, Lot A0216029			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_4_00041	08/28/25	06/23/25	MeCl2, Lot 65052	2 mL	MSS_8270_APWS_00028	30 uL	Benzidine	11.25 ppm
							1,3,5-Trinitrobenzene	3.75 ppm
							1,4-Dinitrobenzene	3.75 ppm
							1-Naphthylamine	3.75 ppm
							2-Acetylaminofluorene	3.75 ppm
							2-Naphthylamine	3.75 ppm
							2-Picoline	3.75 ppm
							2-Toluidine	3.75 ppm
							3,3'-Dimethylbenzidine	3.75 ppm
							4,4'-Methylene bis(2-chloroaniline)	3.75 ppm
							4-Aminobiphenyl	3.75 ppm
							4-Nitroquinoline-1-oxide	3.75 ppm
							5-Nitro-o-toluidine	3.75 ppm
							Dibenz[a,h]acridine	3.75 ppm
							N-Nitrosodi-n-butylamine	3.75 ppm
							N-Nitrosodiethylamine	3.75 ppm
							N-Nitrosomethylethylamine	3.75 ppm
							N-Nitrosomorpholine	3.75 ppm
							N-Nitrosopiperidine	3.75 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosopyrrolidine	3.75 ppm
							p-Dimethylamino azobenzene	3.75 ppm
							p-Phenylene diamine	3.75 ppm
							Pentachloronitrobenzene	3.75 ppm
							Phenacetin	3.75 ppm
							Pronamide	3.75 ppm
							Quinoline	3.75 ppm
							1,4-Naphthoquinone	3.75 ppm
							1-Chloronaphthalene	3.75 ppm
							7,12-Dimethylbenz(a)anthracene	3.75 ppm
							Chlorobenzilate	3.75 ppm
							Dinoseb	3.75 ppm
							Ethyl methanesulfonate	3.75 ppm
							Hexachloropropene	3.75 ppm
							Isodrin	3.75 ppm
							Isosafrole Peak 1	0.6 ppm
							Isosafrole Peak 2	3.15 ppm
							Methyl methanesulfonate	3.75 ppm
							Pentachlorobenzene	3.75 ppm
							3-Methylcholanthrene	3.75 ppm
							6-Methylchrysene	3.75 ppm
							cis-Diallate	2.775 ppm
							Dimethoate	3.75 ppm
							Disulfoton	3.75 ppm
							Ethyl Parathion	3.75 ppm
							Methyl parathion	3.75 ppm
							o,o',o''-Triethylphosphorothioate	3.75 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	3.75 ppm
							Phorate	3.75 ppm
							Safrole, Total	3.75 ppm
							Sulfotepp	3.75 ppm
							trans-Diallate	0.975 ppm
					MSS_8270_WS_00027	30 uL	2,4,6-Tribromophenol (Surr)	7.5 ppm
							2-Fluorobiphenyl (Surr)	7.5 ppm
							2-Fluorophenol (Surr)	7.5 ppm
							Nitrobenzene-d5 (Surr)	7.5 ppm
							p-Terphenyl-d14 (Surr)	7.5 ppm
							Phenol-d5 (Surr)	7.5 ppm
							Alpha-Terpineol	3.75 ppm
							Dimethylformamide	3.75 ppm
							Octachlorostyrene	3.75 ppm
							Phenyl ether	3.75 ppm
							Dibenz[a,j]acridine	3.75 ppm
							1,1'-Biphenyl	3.75 ppm
							1,2,4,5-Tetrachlorobenzene	3.75 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	3.75 ppm
							1,2-Dichlorobenzene	3.75 ppm
							1,2-Diphenylhydrazine	3.75 ppm
							1,3-Dichlorobenzene	3.75 ppm
							1,3-Dinitrobenzene	3.75 ppm
							1,4-Dichlorobenzene	3.75 ppm
							1,4-Dioxane	3.75 ppm
							1-Methylnaphthalene	3.75 ppm
							2,3,4,6-Tetrachlorophenol	3.75 ppm
							2,4,5-Trichlorophenol	3.75 ppm
							2,4,6-Trichlorophenol	3.75 ppm
							2,4-Dichlorophenol	3.75 ppm
							2,4-Dimethylphenol	3.75 ppm
							2,4-Dinitrophenol	11.25 ppm
							2,4-Dinitrotoluene	3.75 ppm
							2,6-Dichlorophenol	3.75 ppm
							2,6-Dinitrotoluene	3.75 ppm
							2-Chloronaphthalene	3.75 ppm
							2-Chlorophenol	3.75 ppm
							2-Methylnaphthalene	3.75 ppm
							2-Nitroaniline	3.75 ppm
							2-Nitrophenol	3.75 ppm
							3-Nitroaniline	3.75 ppm
							4,6-Dinitro-2-methylphenol	7.5 ppm
							4-Bromophenyl-phenylether	3.75 ppm
							4-Chloro-3-methylphenol	3.75 ppm
							4-Chloroaniline	3.75 ppm
							4-Chlorophenyl-phenyl ether	3.75 ppm
							4-Nitroaniline	3.75 ppm
							4-Nitrophenol	7.5 ppm
							Acenaphthene	3.75 ppm
							Acenaphthylene	3.75 ppm
							Acetophenone	3.75 ppm
							Aniline	3.75 ppm
							Anthracene	3.75 ppm
							Benzo[a]anthracene	3.75 ppm
							Benzo[a]pyrene	3.75 ppm
							Benzo[b]fluoranthene	3.75 ppm
							Benzo[g,h,i]perylene	3.75 ppm
							Benzo[k]fluoranthene	3.75 ppm
							Benzyl alcohol	3.75 ppm
							bis (2-chloroisopropyl) ether	3.75 ppm
							Bis(2-chloroethoxy)methane	3.75 ppm
							Bis(2-chloroethyl)ether	3.75 ppm
							Bis(2-ethylhexyl) phthalate	3.75 ppm
							Butyl benzyl phthalate	3.75 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	3.75 ppm
							Chrysene	3.75 ppm
							Di-n-butyl phthalate	3.75 ppm
							Di-n-octyl phthalate	3.75 ppm
							Dibenz(a,h)anthracene	3.75 ppm
							Dibenzofuran	3.75 ppm
							Diethyl phthalate	3.75 ppm
							Dimethyl phthalate	3.75 ppm
							Fluoranthene	3.75 ppm
							Fluorene	3.75 ppm
							Hexachlorobenzene	3.75 ppm
							Hexachlorobutadiene	3.75 ppm
							Hexachlorocyclopentadiene	3.75 ppm
							Hexachloroethane	3.75 ppm
							Indeno[1,2,3-cd]pyrene	3.75 ppm
							Isophorone	3.75 ppm
							m & p-Cresol	3.75 ppm
							N-Nitrosodi-n-propylamine	3.75 ppm
							N-Nitrosodimethylamine	3.75 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	3.1875 ppm
							Naphthalene	3.75 ppm
							Nitrobenzene	3.75 ppm
							o-Cresol	3.75 ppm
							Pentachlorophenol	7.5 ppm
							Phenanthrene	3.75 ppm
							Phenol	3.75 ppm
							Pyrene	3.75 ppm
							Pyridine	7.5 ppm
							3,3'-Dichlorobenzidine	3.75 ppm
							Benzidine	11.25 ppm
					MSS_AB_24DNP_00009	7.5 uL	2,4-Dinitrophenol	11.25 ppm
					MSS_BAS_WS_00018	75 uL	Atrazine	3.75 ppm
							Benzaldehyde	3.75 ppm
							Caprolactam	3.75 ppm
					MSS_RV8270_IS_00110	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00028	12/31/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_AB_BZIDIN_00012	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							5-Nitro-o-toluidine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00018	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00012	10/07/27		Absolute, Lot 100724		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							5-Nitro-o-toluidine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00027	09/30/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00023	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis (2-chloroisopropyl) ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							m & p-Cresol	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							o-Cresol	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26		Sigma- Aldrich, Lot LRAD7196		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25		Restek, Lot 0006819172		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27		Restek, Lot A0216024		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00023	09/30/25		Restek, Lot A0219584		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzidine	2000 ug/mL
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_5_00051	06/30/25	02/27/25	MeCl2, Lot 64313	2 mL	MSS_8270_APWS_00024	60 uL	Benzidine	22.5 ppm
							1,3,5-Trinitrobenzene	7.5 ppm
							1,4-Dinitrobenzene	7.5 ppm
							1-Naphthylamine	7.5 ppm
							2-Acetylaminofluorene	7.5 ppm
							2-Naphthylamine	7.5 ppm
							2-Picoline	7.5 ppm
							2-Toluidine	7.5 ppm
							3,3'-Dimethylbenzidine	7.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	7.5 ppm
							4-Aminobiphenyl	7.5 ppm
							4-Nitroquinoline-1-oxide	7.5 ppm
							5-Nitro-o-toluidine	7.5 ppm
							alpha,alpha-Dimethyl phenethylamine	7.5 ppm
							Dibenz[a,h]acridine	7.5 ppm
							N-Nitrosodi-n-butylamine	7.5 ppm
							N-Nitrosodiethylamine	7.5 ppm
							N-Nitrosomethylethylamine	7.5 ppm
							N-Nitrosomorpholine	7.5 ppm
							N-Nitrosopiperidine	7.5 ppm
							N-Nitrosopyrrolidine	7.5 ppm
							p-Dimethylamino azobenzene	7.5 ppm
							p-Phenylene diamine	7.5 ppm
							Pentachloronitrobenzene	7.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenacetin	7.5 ppm
							Pronamide	7.5 ppm
							Quinoline	7.5 ppm
							1,4-Naphthoquinone	7.5 ppm
							1-Chloronaphthalene	7.5 ppm
							7,12-Dimethylbenz(a)anthracene	7.5 ppm
							Chlorobenzilate	7.5 ppm
							Dinoseb	7.5 ppm
							Ethyl methanesulfonate	7.5 ppm
							Hexachloropropene	7.5 ppm
							Isodrin	7.5 ppm
							Isosafrole Peak 1	1.2 ppm
							Isosafrole Peak 2	6.3 ppm
							Methyl methanesulfonate	7.5 ppm
							Pentachlorobenzene	7.5 ppm
							3-Methylcholanthrene	7.5 ppm
							6-Methylchrysene	7.5 ppm
							cis-Diallate	5.55 ppm
							Dimethoate	7.5 ppm
							Disulfoton	7.5 ppm
							Ethyl Parathion	7.5 ppm
							Famphur	7.5 ppm
							Methyl parathion	7.5 ppm
							o,o',o''-Triethylphosphorothioate	7.5 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	7.5 ppm
							Phorate	7.5 ppm
							Safrole, Total	7.5 ppm
							Sulfotepp	7.5 ppm
							trans-Diallate	1.95 ppm
					MSS_8270_WS_00026	60 uL	2,4,6-Tribromophenol (Surr)	15 ppm
							2-Fluorobiphenyl (Surr)	15 ppm
							2-Fluorophenol (Surr)	15 ppm
							Nitrobenzene-d5 (Surr)	15 ppm
							p-Terphenyl-d14 (Surr)	15 ppm
							Phenol-d5 (Surr)	15 ppm
							Alpha-Terpineol	7.5 ppm
							Dimethylformamide	7.5 ppm
							Octachlorostyrene	7.5 ppm
							Phenyl ether	7.5 ppm
							Dibenz[a,j]acridine	7.5 ppm
							1,1'-Biphenyl	7.5 ppm
							1,2,4,5-Tetrachlorobenzene	7.5 ppm
							1,2,4-Trichlorobenzene	7.5 ppm
							1,2-Dichlorobenzene	7.5 ppm
							1,2-Diphenylhydrazine	7.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	7.5 ppm
							1,3-Dinitrobenzene	7.5 ppm
							1,4-Dichlorobenzene	7.5 ppm
							1,4-Dioxane	7.5 ppm
							1-Methylnaphthalene	7.5 ppm
							2,3,4,6-Tetrachlorophenol	7.5 ppm
							2,4,5-Trichlorophenol	7.5 ppm
							2,4,6-Trichlorophenol	7.5 ppm
							2,4-Dichlorophenol	7.5 ppm
							2,4-Dimethylphenol	7.5 ppm
							2,4-Dinitrophenol	17.5 ppm
							2,4-Dinitrotoluene	7.5 ppm
							2,6-Dichlorophenol	7.5 ppm
							2,6-Dinitrotoluene	7.5 ppm
							2-Chloronaphthalene	7.5 ppm
							2-Chlorophenol	7.5 ppm
							2-Methylnaphthalene	7.5 ppm
							2-Nitroaniline	7.5 ppm
							2-Nitrophenol	7.5 ppm
							3-Nitroaniline	7.5 ppm
							4,6-Dinitro-2-methylphenol	15 ppm
							4-Bromophenyl-phenylether	7.5 ppm
							4-Chloro-3-methylphenol	7.5 ppm
							4-Chloroaniline	7.5 ppm
							4-Chlorophenyl-phenyl ether	7.5 ppm
							4-Nitroaniline	7.5 ppm
							4-Nitrophenol	15 ppm
							Acenaphthene	7.5 ppm
							Acenaphthylene	7.5 ppm
							Acetophenone	7.5 ppm
							Aniline	7.5 ppm
							Anthracene	7.5 ppm
							Benzo[a]anthracene	7.5 ppm
							Benzo[a]pyrene	7.5 ppm
							Benzo[b]fluoranthene	7.5 ppm
							Benzo[g,h,i]perylene	7.5 ppm
							Benzo[k]fluoranthene	7.5 ppm
							Benzyl alcohol	7.5 ppm
							bis (2-chloroisopropyl) ether	7.5 ppm
							Bis(2-chloroethoxy)methane	7.5 ppm
							Bis(2-chloroethyl)ether	7.5 ppm
							Bis(2-ethylhexyl) phthalate	7.5 ppm
							Butyl benzyl phthalate	7.5 ppm
							Carbazole	7.5 ppm
							Chrysene	7.5 ppm
							Di-n-butyl phthalate	7.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	7.5 ppm
							Dibenz(a,h)anthracene	7.5 ppm
							Dibenzofuran	7.5 ppm
							Diethyl phthalate	7.5 ppm
							Dimethyl phthalate	7.5 ppm
							Fluoranthene	7.5 ppm
							Fluorene	7.5 ppm
							Hexachlorobenzene	7.5 ppm
							Hexachlorobutadiene	7.5 ppm
							Hexachlorocyclopentadiene	7.5 ppm
							Hexachloroethane	7.5 ppm
							Indeno[1,2,3-cd]pyrene	7.5 ppm
							Isophorone	7.5 ppm
							m & p-Cresol	7.5 ppm
							N-Nitrosodi-n-propylamine	7.5 ppm
							N-Nitrosodimethylamine	7.5 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	6.375 ppm
							Naphthalene	7.5 ppm
							Nitrobenzene	7.5 ppm
							o-Cresol	7.5 ppm
							Pentachlorophenol	15 ppm
							Phenanthrene	7.5 ppm
							Phenol	7.5 ppm
							Pyrene	7.5 ppm
							Pyridine	15 ppm
							3,3'-Dichlorobenzidine	7.5 ppm
							Benzidine	22.5 ppm
					MSS_AB_24DNP_00009	5 uL	2,4-Dinitrophenol	17.5 ppm
					MSS_BAS_WS_00018	150 uL	Atrazine	7.5 ppm
							Benzaldehyde	7.5 ppm
							Caprolactam	7.5 ppm
					MSS_RV8270_IS_00103	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							5-Nitro-o-toluidine	250 ppm
							alpha,alpha-Dimethyl phenethylamine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Famphur	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							5-Nitro-o-toluidine	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis (2-chloroisopropyl) ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							m & p-Cresol	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							o-Cresol	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25	Restek, Lot A0216029			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_5_00053	07/31/25	05/06/25	MeCl2, Lot 65024	2 mL	MSS_8270_APWS_00025	60 uL	Benzidine	22.5 ppm
							1,3,5-Trinitrobenzene	7.5 ppm
							1,4-Dinitrobenzene	7.5 ppm
							1-Naphthylamine	7.5 ppm
							2-Acetylaminofluorene	7.5 ppm
							2-Naphthylamine	7.5 ppm
							2-Picoline	7.5 ppm
							2-Toluidine	7.5 ppm
							3,3'-Dimethylbenzidine	7.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	7.5 ppm
							4-Aminobiphenyl	7.5 ppm
							4-Nitroquinoline-1-oxide	7.5 ppm
							5-Nitro-o-toluidine	7.5 ppm
							Dibenz[a,h]acridine	7.5 ppm
							N-Nitrosodi-n-butylamine	7.5 ppm
							N-Nitrosodiethylamine	7.5 ppm
							N-Nitrosomethylethylamine	7.5 ppm
							N-Nitrosomorpholine	7.5 ppm
							N-Nitrosopiperidine	7.5 ppm
							N-Nitrosopyrrolidine	7.5 ppm
							p-Dimethylamino azobenzene	7.5 ppm
							p-Phenylene diamine	7.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachloronitrobenzene	7.5 ppm
							Phenacetin	7.5 ppm
							Pronamide	7.5 ppm
							Quinoline	7.5 ppm
							1,4-Naphthoquinone	7.5 ppm
							1-Chloronaphthalene	7.5 ppm
							7,12-Dimethylbenz(a)anthracene	7.5 ppm
							Chlorobenzilate	7.5 ppm
							Dinoseb	7.5 ppm
							Ethyl methanesulfonate	7.5 ppm
							Hexachloropropene	7.5 ppm
							Isodrin	7.5 ppm
							Isosafrole Peak 1	1.2 ppm
							Isosafrole Peak 2	6.3 ppm
							Methyl methanesulfonate	7.5 ppm
							Pentachlorobenzene	7.5 ppm
							3-Methylcholanthrene	7.5 ppm
							6-Methylchrysene	7.5 ppm
							cis-Diallate	5.55 ppm
							Dimethoate	7.5 ppm
							Disulfoton	7.5 ppm
							Ethyl Parathion	7.5 ppm
							Methyl parathion	7.5 ppm
							o,o',o''-Triethylphosphorothioate	7.5 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	7.5 ppm
							Phorate	7.5 ppm
							Safrole, Total	7.5 ppm
							Sulfotepp	7.5 ppm
							trans-Diallate	1.95 ppm
					MSS_8270_WS_00026	60 uL	2,4,6-Tribromophenol (Surr)	15 ppm
							2-Fluorobiphenyl (Surr)	15 ppm
							2-Fluorophenol (Surr)	15 ppm
							Nitrobenzene-d5 (Surr)	15 ppm
							p-Terphenyl-d14 (Surr)	15 ppm
							Phenol-d5 (Surr)	15 ppm
							Alpha-Terpineol	7.5 ppm
							Dimethylformamide	7.5 ppm
							Octachlorostyrene	7.5 ppm
							Phenyl ether	7.5 ppm
							Dibenz[a,j]acridine	7.5 ppm
							1,1'-Biphenyl	7.5 ppm
							1,2,4,5-Tetrachlorobenzene	7.5 ppm
							1,2,4-Trichlorobenzene	7.5 ppm
							1,2-Dichlorobenzene	7.5 ppm
							1,2-Diphenylhydrazine	7.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	7.5 ppm
							1,3-Dinitrobenzene	7.5 ppm
							1,4-Dichlorobenzene	7.5 ppm
							1,4-Dioxane	7.5 ppm
							1-Methylnaphthalene	7.5 ppm
							2,3,4,6-Tetrachlorophenol	7.5 ppm
							2,4,5-Trichlorophenol	7.5 ppm
							2,4,6-Trichlorophenol	7.5 ppm
							2,4-Dichlorophenol	7.5 ppm
							2,4-Dimethylphenol	7.5 ppm
							2,4-Dinitrophenol	17.5 ppm
							2,4-Dinitrotoluene	7.5 ppm
							2,6-Dichlorophenol	7.5 ppm
							2,6-Dinitrotoluene	7.5 ppm
							2-Chloronaphthalene	7.5 ppm
							2-Chlorophenol	7.5 ppm
							2-Methylnaphthalene	7.5 ppm
							2-Nitroaniline	7.5 ppm
							2-Nitrophenol	7.5 ppm
							3-Nitroaniline	7.5 ppm
							4,6-Dinitro-2-methylphenol	15 ppm
							4-Bromophenyl-phenylether	7.5 ppm
							4-Chloro-3-methylphenol	7.5 ppm
							4-Chloroaniline	7.5 ppm
							4-Chlorophenyl-phenyl ether	7.5 ppm
							4-Nitroaniline	7.5 ppm
							4-Nitrophenol	15 ppm
							Acenaphthene	7.5 ppm
							Acenaphthylene	7.5 ppm
							Acetophenone	7.5 ppm
							Aniline	7.5 ppm
							Anthracene	7.5 ppm
							Benzo[a]anthracene	7.5 ppm
							Benzo[a]pyrene	7.5 ppm
							Benzo[b]fluoranthene	7.5 ppm
							Benzo[g,h,i]perylene	7.5 ppm
							Benzo[k]fluoranthene	7.5 ppm
							Benzyl alcohol	7.5 ppm
							bis (2-chloroisopropyl) ether	7.5 ppm
							Bis(2-chloroethoxy)methane	7.5 ppm
							Bis(2-chloroethyl)ether	7.5 ppm
							Bis(2-ethylhexyl) phthalate	7.5 ppm
							Butyl benzyl phthalate	7.5 ppm
							Carbazole	7.5 ppm
							Chrysene	7.5 ppm
							Di-n-butyl phthalate	7.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	7.5 ppm
							Dibenz(a,h)anthracene	7.5 ppm
							Dibenzofuran	7.5 ppm
							Diethyl phthalate	7.5 ppm
							Dimethyl phthalate	7.5 ppm
							Fluoranthene	7.5 ppm
							Fluorene	7.5 ppm
							Hexachlorobenzene	7.5 ppm
							Hexachlorobutadiene	7.5 ppm
							Hexachlorocyclopentadiene	7.5 ppm
							Hexachloroethane	7.5 ppm
							Indeno[1,2,3-cd]pyrene	7.5 ppm
							Isophorone	7.5 ppm
							m & p-Cresol	7.5 ppm
							N-Nitrosodi-n-propylamine	7.5 ppm
							N-Nitrosodimethylamine	7.5 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	6.375 ppm
							Naphthalene	7.5 ppm
							Nitrobenzene	7.5 ppm
							o-Cresol	7.5 ppm
							Pentachlorophenol	15 ppm
							Phenanthrene	7.5 ppm
							Phenol	7.5 ppm
							Pyrene	7.5 ppm
							Pyridine	15 ppm
							3,3'-Dichlorobenzidine	7.5 ppm
							Benzidine	22.5 ppm
					MSS_AB_24DNP_00009	5 uL	2,4-Dinitrophenol	17.5 ppm
					MSS_BAS_WS_00018	150 uL	Atrazine	7.5 ppm
							Benzaldehyde	7.5 ppm
							Caprolactam	7.5 ppm
					MSS_RV8270_IS_00107	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00025	10/09/25	04/09/25	MeCl2, Lot 65010	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							5-Nitro-o-toluidine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00018	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							5-Nitro-o-toluidine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis (2-chloroisopropyl) ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							m & p-Cresol	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							o-Cresol	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25	Restek, Lot A0216029			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00107	11/02/25	05/02/25	MeCl2, Lot 64327	10 mL	MSS_FV8270_IS_00006	2500 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_5_00054	08/28/25	06/23/25	MeCl2, Lot 65052	2 mL	MSS_8270_APWS_00028	60 uL	Benzidine	22.5 ppm
							1,3,5-Trinitrobenzene	7.5 ppm
							1,4-Dinitrobenzene	7.5 ppm
							1-Naphthylamine	7.5 ppm
							2-Acetylaminofluorene	7.5 ppm
							2-Naphthylamine	7.5 ppm
							2-Picoline	7.5 ppm
							2-Toluidine	7.5 ppm
							3,3'-Dimethylbenzidine	7.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	7.5 ppm
							4-Aminobiphenyl	7.5 ppm
							4-Nitroquinoline-1-oxide	7.5 ppm
							5-Nitro-o-toluidine	7.5 ppm
							Dibenz[a,h]acridine	7.5 ppm
							N-Nitrosodi-n-butylamine	7.5 ppm
							N-Nitrosodiethylamine	7.5 ppm
							N-Nitrosomethylethylamine	7.5 ppm
							N-Nitrosomorpholine	7.5 ppm
							N-Nitrosopiperidine	7.5 ppm
							N-Nitrosopyrrolidine	7.5 ppm
							p-Dimethylamino azobenzene	7.5 ppm
							p-Phenylene diamine	7.5 ppm
							Pentachloronitrobenzene	7.5 ppm
							Phenacetin	7.5 ppm
							Pronamide	7.5 ppm
							Quinoline	7.5 ppm
							1,4-Naphthoquinone	7.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Chloronaphthalene	7.5 ppm
							7,12-Dimethylbenz(a)anthracene	7.5 ppm
							Chlorobenzilate	7.5 ppm
							Dinoseb	7.5 ppm
							Ethyl methanesulfonate	7.5 ppm
							Hexachloropropene	7.5 ppm
							Isodrin	7.5 ppm
							Isosafrole Peak 1	1.2 ppm
							Isosafrole Peak 2	6.3 ppm
							Methyl methanesulfonate	7.5 ppm
							Pentachlorobenzene	7.5 ppm
							3-Methylcholanthrene	7.5 ppm
							6-Methylchrysene	7.5 ppm
							cis-Diallate	5.55 ppm
							Dimethoate	7.5 ppm
							Disulfoton	7.5 ppm
							Ethyl Parathion	7.5 ppm
							Methyl parathion	7.5 ppm
							o,o',o''-Triethylphosphorothioate	7.5 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	7.5 ppm
							Phorate	7.5 ppm
							Safrole, Total	7.5 ppm
							Sulfotepp	7.5 ppm
							trans-Diallate	1.95 ppm
					MSS_8270_WS_00027	60 uL	2,4,6-Tribromophenol (Surr)	15 ppm
							2-Fluorobiphenyl (Surr)	15 ppm
							2-Fluorophenol (Surr)	15 ppm
							Nitrobenzene-d5 (Surr)	15 ppm
							p-Terphenyl-d14 (Surr)	15 ppm
							Phenol-d5 (Surr)	15 ppm
							Alpha-Terpineol	7.5 ppm
							Dimethylformamide	7.5 ppm
							Octachlorostyrene	7.5 ppm
							Phenyl ether	7.5 ppm
							Dibenz[a,j]acridine	7.5 ppm
							1,1'-Biphenyl	7.5 ppm
							1,2,4,5-Tetrachlorobenzene	7.5 ppm
							1,2,4-Trichlorobenzene	7.5 ppm
							1,2-Dichlorobenzene	7.5 ppm
							1,2-Diphenylhydrazine	7.5 ppm
							1,3-Dichlorobenzene	7.5 ppm
							1,3-Dinitrobenzene	7.5 ppm
							1,4-Dichlorobenzene	7.5 ppm
							1,4-Dioxane	7.5 ppm
							1-Methylnaphthalene	7.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	7.5 ppm
							2,4,5-Trichlorophenol	7.5 ppm
							2,4,6-Trichlorophenol	7.5 ppm
							2,4-Dichlorophenol	7.5 ppm
							2,4-Dimethylphenol	7.5 ppm
							2,4-Dinitrophenol	17.5 ppm
							2,4-Dinitrotoluene	7.5 ppm
							2,6-Dichlorophenol	7.5 ppm
							2,6-Dinitrotoluene	7.5 ppm
							2-Chloronaphthalene	7.5 ppm
							2-Chlorophenol	7.5 ppm
							2-Methylnaphthalene	7.5 ppm
							2-Nitroaniline	7.5 ppm
							2-Nitrophenol	7.5 ppm
							3-Nitroaniline	7.5 ppm
							4,6-Dinitro-2-methylphenol	15 ppm
							4-Bromophenyl-phenylether	7.5 ppm
							4-Chloro-3-methylphenol	7.5 ppm
							4-Chloroaniline	7.5 ppm
							4-Chlorophenyl-phenyl ether	7.5 ppm
							4-Nitroaniline	7.5 ppm
							4-Nitrophenol	15 ppm
							Acenaphthene	7.5 ppm
							Acenaphthylene	7.5 ppm
							Acetophenone	7.5 ppm
							Aniline	7.5 ppm
							Anthracene	7.5 ppm
							Benzo[a]anthracene	7.5 ppm
							Benzo[a]pyrene	7.5 ppm
							Benzo[b]fluoranthene	7.5 ppm
							Benzo[g,h,i]perylene	7.5 ppm
							Benzo[k]fluoranthene	7.5 ppm
							Benzyl alcohol	7.5 ppm
							bis (2-chloroisopropyl) ether	7.5 ppm
							Bis(2-chloroethoxy)methane	7.5 ppm
							Bis(2-chloroethyl)ether	7.5 ppm
							Bis(2-ethylhexyl) phthalate	7.5 ppm
							Butyl benzyl phthalate	7.5 ppm
							Carbazole	7.5 ppm
							Chrysene	7.5 ppm
							Di-n-butyl phthalate	7.5 ppm
							Di-n-octyl phthalate	7.5 ppm
							Dibenz(a,h)anthracene	7.5 ppm
							Dibenzofuran	7.5 ppm
							Diethyl phthalate	7.5 ppm
							Dimethyl phthalate	7.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	7.5 ppm
							Fluorene	7.5 ppm
							Hexachlorobenzene	7.5 ppm
							Hexachlorobutadiene	7.5 ppm
							Hexachlorocyclopentadiene	7.5 ppm
							Hexachloroethane	7.5 ppm
							Indeno[1,2,3-cd]pyrene	7.5 ppm
							Isophorone	7.5 ppm
							m & p-Cresol	7.5 ppm
							N-Nitrosodi-n-propylamine	7.5 ppm
							N-Nitrosodimethylamine	7.5 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	6.375 ppm
							Naphthalene	7.5 ppm
							Nitrobenzene	7.5 ppm
							o-Cresol	7.5 ppm
							Pentachlorophenol	15 ppm
							Phenanthrene	7.5 ppm
							Phenol	7.5 ppm
							Pyrene	7.5 ppm
							Pyridine	15 ppm
							3,3'-Dichlorobenzidine	7.5 ppm
							Benzidine	22.5 ppm
					MSS_AB_24DNP_00009	5 uL	2,4-Dinitrophenol	17.5 ppm
					MSS_BAS_WS_00018	150 uL	Atrazine	7.5 ppm
							Benzaldehyde	7.5 ppm
							Caprolactam	7.5 ppm
					MSS_RV8270_IS_00110	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00028	12/31/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_AB_BZIDIN_00012	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							5-Nitro-o-toluidine	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz[a,h]acridine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00018	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00012	10/07/27		Absolute, Lot 100724		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							5-Nitro-o-toluidine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							trans-Diallate	260 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSS_8270_WS_00027	09/30/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00023	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis (2-chloroisopropyl) ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							m & p-Cresol	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							o-Cresol	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25		Restek, Lot 0006819172		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27		Restek, Lot A0216024		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00023	09/30/25		Restek, Lot A0219584		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added	Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_6_00064	06/30/25	04/07/25	MeCl2, Lot 65010	2 mL	MSS_8270_APWS_00024	100 uL	Benzidine	37.5 ppm
							1,3,5-Trinitrobenzene	12.5 ppm
							1,4-Dinitrobenzene	12.5 ppm
							1-Naphthylamine	12.5 ppm
							2-Acetylaminofluorene	12.5 ppm
							2-Naphthylamine	12.5 ppm
							2-Picoline	12.5 ppm
							2-Toluidine	12.5 ppm
							3,3'-Dimethylbenzidine	12.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	12.5 ppm
							4-Aminobiphenyl	12.5 ppm
							4-Nitroquinoline-1-oxide	12.5 ppm
							5-Nitro-o-toluidine	12.5 ppm
							alpha,alpha-Dimethyl phenethylamine	12.5 ppm
							Dibenz[a,h]acridine	12.5 ppm
							N-Nitrosodi-n-butylamine	12.5 ppm
							N-Nitrosodiethylamine	12.5 ppm
							N-Nitrosomethylethylamine	12.5 ppm
							N-Nitrosomorpholine	12.5 ppm
							N-Nitrosopiperidine	12.5 ppm
							N-Nitrosopyrrolidine	12.5 ppm
							p-Dimethylamino azobenzene	12.5 ppm
							p-Phenylene diamine	12.5 ppm
							Pentachloronitrobenzene	12.5 ppm
							Phenacetin	12.5 ppm
							Pronamide	12.5 ppm
							Quinoline	12.5 ppm
							1,4-Naphthoquinone	12.5 ppm
							1-Chloronaphthalene	12.5 ppm
							7,12-Dimethylbenz(a)anthracene	12.5 ppm
							Chlorobenzilate	12.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dinoseb	12.5 ppm
							Ethyl methanesulfonate	12.5 ppm
							Hexachloropropene	12.5 ppm
							Isodrin	12.5 ppm
							Isosafrole Peak 1	2 ppm
							Isosafrole Peak 2	10.5 ppm
							Methyl methanesulfonate	12.5 ppm
							Pentachlorobenzene	12.5 ppm
							3-Methylcholanthrene	12.5 ppm
							6-Methylchrysene	12.5 ppm
							cis-Diallate	9.25 ppm
							Dimethoate	12.5 ppm
							Disulfoton	12.5 ppm
							Ethyl Parathion	12.5 ppm
							Famphur	12.5 ppm
							Methyl parathion	12.5 ppm
							o,o',o''-Triethylphosphorothioate	12.5 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	12.5 ppm
							Phorate	12.5 ppm
							Safrole, Total	12.5 ppm
							Sulfotepp	12.5 ppm
							trans-Diallate	3.25 ppm
					MSS_8270_WS_00026	100 uL	2,4,6-Tribromophenol (Surr)	25 ppm
							2-Fluorobiphenyl (Surr)	25 ppm
							2-Fluorophenol (Surr)	25 ppm
							Nitrobenzene-d5 (Surr)	25 ppm
							p-Terphenyl-d14 (Surr)	25 ppm
							Phenol-d5 (Surr)	25 ppm
							Alpha-Terpineol	12.5 ppm
							Dimethylformamide	12.5 ppm
							Octachlorostyrene	12.5 ppm
							Phenyl ether	12.5 ppm
							Dibenz[a,j]acridine	12.5 ppm
							1,1'-Biphenyl	12.5 ppm
							1,2,4,5-Tetrachlorobenzene	12.5 ppm
							1,2,4-Trichlorobenzene	12.5 ppm
							1,2-Dichlorobenzene	12.5 ppm
							1,2-Diphenylhydrazine	12.5 ppm
							1,3-Dichlorobenzene	12.5 ppm
							1,3-Dinitrobenzene	12.5 ppm
							1,4-Dichlorobenzene	12.5 ppm
							1,4-Dioxane	12.5 ppm
							1-Methylnaphthalene	12.5 ppm
							2,3,4,6-Tetrachlorophenol	12.5 ppm
							2,4,5-Trichlorophenol	12.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trichlorophenol	12.5 ppm
							2,4-Dichlorophenol	12.5 ppm
							2,4-Dimethylphenol	12.5 ppm
							2,4-Dinitrophenol	25 ppm
							2,4-Dinitrotoluene	12.5 ppm
							2,6-Dichlorophenol	12.5 ppm
							2,6-Dinitrotoluene	12.5 ppm
							2-Chloronaphthalene	12.5 ppm
							2-Chlorophenol	12.5 ppm
							2-Methylnaphthalene	12.5 ppm
							2-Nitroaniline	12.5 ppm
							2-Nitrophenol	12.5 ppm
							3-Nitroaniline	12.5 ppm
							4,6-Dinitro-2-methylphenol	25 ppm
							4-Bromophenyl-phenylether	12.5 ppm
							4-Chloro-3-methylphenol	12.5 ppm
							4-Chloroaniline	12.5 ppm
							4-Chlorophenyl-phenyl ether	12.5 ppm
							4-Nitroaniline	12.5 ppm
							4-Nitrophenol	25 ppm
							Acenaphthene	12.5 ppm
							Acenaphthylene	12.5 ppm
							Acetophenone	12.5 ppm
							Aniline	12.5 ppm
							Anthracene	12.5 ppm
							Benzo[a]anthracene	12.5 ppm
							Benzo[a]pyrene	12.5 ppm
							Benzo[b]fluoranthene	12.5 ppm
							Benzo[g,h,i]perylene	12.5 ppm
							Benzo[k]fluoranthene	12.5 ppm
							Benzyl alcohol	12.5 ppm
							bis (2-chloroisopropyl) ether	12.5 ppm
							Bis(2-chloroethoxy)methane	12.5 ppm
							Bis(2-chloroethyl)ether	12.5 ppm
							Bis(2-ethylhexyl) phthalate	12.5 ppm
							Butyl benzyl phthalate	12.5 ppm
							Carbazole	12.5 ppm
							Chrysene	12.5 ppm
							Di-n-butyl phthalate	12.5 ppm
							Di-n-octyl phthalate	12.5 ppm
							Dibenz(a,h)anthracene	12.5 ppm
							Dibenzofuran	12.5 ppm
							Diethyl phthalate	12.5 ppm
							Dimethyl phthalate	12.5 ppm
							Fluoranthene	12.5 ppm
							Fluorene	12.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	12.5 ppm
							Hexachlorobutadiene	12.5 ppm
							Hexachlorocyclopentadiene	12.5 ppm
							Hexachloroethane	12.5 ppm
							Indeno[1,2,3-cd]pyrene	12.5 ppm
							Isophorone	12.5 ppm
							m & p-Cresol	12.5 ppm
							N-Nitrosodi-n-propylamine	12.5 ppm
							N-Nitrosodimethylamine	12.5 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	10.625 ppm
							Naphthalene	12.5 ppm
							Nitrobenzene	12.5 ppm
							o-Cresol	12.5 ppm
							Pentachlorophenol	25 ppm
							Phenanthrene	12.5 ppm
							Phenol	12.5 ppm
							Pyrene	12.5 ppm
							Pyridine	25 ppm
							3,3'-Dichlorobenzidine	12.5 ppm
							Benzidine	37.5 ppm
					MSS_BAS_WS_00018	250 uL	Atrazine	12.5 ppm
							Benzaldehyde	12.5 ppm
							Caprolactam	12.5 ppm
					MSS_RV8270_IS_00103	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							5-Nitro-o-toluidine	250 ppm
							alpha,alpha-Dimethyl phenethylamine	250 ppm
							Dibenz[a,h]acridine	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Famphur	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							5-Nitro-o-toluidine	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis (2-chloroisopropyl) ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							m & p-Cresol	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							o-Cresol	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25	Restek, Lot A0216029			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25	Restek, Lot A0211034			(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_6_00064	06/30/25	04/07/25	MeCl2, Lot 65010	2 mL	MSS_8270_APWS_00024	100 uL	Diallate	12.5 ppm
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	OP_RES_APPX4_00010	1250 uL	Diallate	250 ppm
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		Diallate	1000 ug/mL
MSS_RV8270_6_00065	07/31/25	05/06/25	MeCl2, Lot 65024	2 mL	MSS_8270_APWS_00025	100 uL	Benzidine	37.5 ppm
							1,3,5-Trinitrobenzene	12.5 ppm
							1,4-Dinitrobenzene	12.5 ppm
							1-Naphthylamine	12.5 ppm
							2-Acetylaminofluorene	12.5 ppm
							2-Naphthylamine	12.5 ppm
							2-Picoline	12.5 ppm
							2-Toluidine	12.5 ppm
							3,3'-Dimethylbenzidine	12.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	12.5 ppm
							4-Aminobiphenyl	12.5 ppm
							4-Nitroquinoline-1-oxide	12.5 ppm
							5-Nitro-o-toluidine	12.5 ppm
							Dibenz[a,h]acridine	12.5 ppm
							N-Nitrosodi-n-butylamine	12.5 ppm
							N-Nitrosodiethylamine	12.5 ppm
							N-Nitrosomethylethylamine	12.5 ppm
							N-Nitrosomorpholine	12.5 ppm
							N-Nitrosopiperidine	12.5 ppm
							N-Nitrosopyrrolidine	12.5 ppm
							p-Dimethylamino azobenzene	12.5 ppm
							p-Phenylene diamine	12.5 ppm
							Pentachloronitrobenzene	12.5 ppm
							Phenacetin	12.5 ppm
							Pronamide	12.5 ppm
							Quinoline	12.5 ppm
							1,4-Naphthoquinone	12.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Chloronaphthalene	12.5 ppm
							7,12-Dimethylbenz(a)anthracene	12.5 ppm
							Chlorobenzilate	12.5 ppm
							Dinoseb	12.5 ppm
							Ethyl methanesulfonate	12.5 ppm
							Hexachloropropene	12.5 ppm
							Isodrin	12.5 ppm
							Isosafrole Peak 1	2 ppm
							Isosafrole Peak 2	10.5 ppm
							Methyl methanesulfonate	12.5 ppm
							Pentachlorobenzene	12.5 ppm
							3-Methylcholanthrene	12.5 ppm
							6-Methylchrysene	12.5 ppm
							cis-Diallate	9.25 ppm
							Dimethoate	12.5 ppm
							Disulfoton	12.5 ppm
							Ethyl Parathion	12.5 ppm
							Methyl parathion	12.5 ppm
							o,o',o''-Triethylphosphorothioate	12.5 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	12.5 ppm
							Phorate	12.5 ppm
							Safrole, Total	12.5 ppm
							Sulfotepp	12.5 ppm
							trans-Diallate	3.25 ppm
					MSS_8270_WS_00026	100 uL	2,4,6-Tribromophenol (Surr)	25 ppm
							2-Fluorobiphenyl (Surr)	25 ppm
							2-Fluorophenol (Surr)	25 ppm
							Nitrobenzene-d5 (Surr)	25 ppm
							p-Terphenyl-d14 (Surr)	25 ppm
							Phenol-d5 (Surr)	25 ppm
							Alpha-Terpineol	12.5 ppm
							Dimethylformamide	12.5 ppm
							Octachlorostyrene	12.5 ppm
							Phenyl ether	12.5 ppm
							Dibenz[a,j]acridine	12.5 ppm
							1,1'-Biphenyl	12.5 ppm
							1,2,4,5-Tetrachlorobenzene	12.5 ppm
							1,2,4-Trichlorobenzene	12.5 ppm
							1,2-Dichlorobenzene	12.5 ppm
							1,2-Diphenylhydrazine	12.5 ppm
							1,3-Dichlorobenzene	12.5 ppm
							1,3-Dinitrobenzene	12.5 ppm
							1,4-Dichlorobenzene	12.5 ppm
							1,4-Dioxane	12.5 ppm
							1-Methylnaphthalene	12.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	12.5 ppm
							2,4,5-Trichlorophenol	12.5 ppm
							2,4,6-Trichlorophenol	12.5 ppm
							2,4-Dichlorophenol	12.5 ppm
							2,4-Dimethylphenol	12.5 ppm
							2,4-Dinitrophenol	25 ppm
							2,4-Dinitrotoluene	12.5 ppm
							2,6-Dichlorophenol	12.5 ppm
							2,6-Dinitrotoluene	12.5 ppm
							2-Chloronaphthalene	12.5 ppm
							2-Chlorophenol	12.5 ppm
							2-Methylnaphthalene	12.5 ppm
							2-Nitroaniline	12.5 ppm
							2-Nitrophenol	12.5 ppm
							3-Nitroaniline	12.5 ppm
							4,6-Dinitro-2-methylphenol	25 ppm
							4-Bromophenyl-phenylether	12.5 ppm
							4-Chloro-3-methylphenol	12.5 ppm
							4-Chloroaniline	12.5 ppm
							4-Chlorophenyl-phenyl ether	12.5 ppm
							4-Nitroaniline	12.5 ppm
							4-Nitrophenol	25 ppm
							Acenaphthene	12.5 ppm
							Acenaphthylene	12.5 ppm
							Acetophenone	12.5 ppm
							Aniline	12.5 ppm
							Anthracene	12.5 ppm
							Benzo[a]anthracene	12.5 ppm
							Benzo[a]pyrene	12.5 ppm
							Benzo[b]fluoranthene	12.5 ppm
							Benzo[g,h,i]perylene	12.5 ppm
							Benzo[k]fluoranthene	12.5 ppm
							Benzyl alcohol	12.5 ppm
							bis (2-chloroisopropyl) ether	12.5 ppm
							Bis(2-chloroethoxy)methane	12.5 ppm
							Bis(2-chloroethyl)ether	12.5 ppm
							Bis(2-ethylhexyl) phthalate	12.5 ppm
							Butyl benzyl phthalate	12.5 ppm
							Carbazole	12.5 ppm
							Chrysene	12.5 ppm
							Di-n-butyl phthalate	12.5 ppm
							Di-n-octyl phthalate	12.5 ppm
							Dibenz(a,h)anthracene	12.5 ppm
							Dibenzofuran	12.5 ppm
							Diethyl phthalate	12.5 ppm
							Dimethyl phthalate	12.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	12.5 ppm
							Fluorene	12.5 ppm
							Hexachlorobenzene	12.5 ppm
							Hexachlorobutadiene	12.5 ppm
							Hexachlorocyclopentadiene	12.5 ppm
							Hexachloroethane	12.5 ppm
							Indeno[1,2,3-cd]pyrene	12.5 ppm
							Isophorone	12.5 ppm
							m & p-Cresol	12.5 ppm
							N-Nitrosodi-n-propylamine	12.5 ppm
							N-Nitrosodimethylamine	12.5 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	10.625 ppm
							Naphthalene	12.5 ppm
							Nitrobenzene	12.5 ppm
							o-Cresol	12.5 ppm
							Pentachlorophenol	25 ppm
							Phenanthrene	12.5 ppm
							Phenol	12.5 ppm
							Pyrene	12.5 ppm
							Pyridine	25 ppm
							3,3'-Dichlorobenzidine	12.5 ppm
							Benzidine	37.5 ppm
					MSS_BAS_WS_00018	250 uL	Atrazine	12.5 ppm
							Benzaldehyde	12.5 ppm
							Caprolactam	12.5 ppm
					MSS_RV8270_IS_00107	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00025	10/09/25	04/09/25	MeCl2, Lot 65010	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							5-Nitro-o-toluidine	250 ppm
							Dibenz[a,h]acridine	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00018	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							5-Nitro-o-toluidine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis (2-chloroisopropyl) ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							m & p-Cresol	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							o-Cresol	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25		Restek, Lot 0006819172		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27		Restek, Lot A0216024		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25		Restek, Lot A0216029		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00107	11/02/25	05/02/25	MeCl2, Lot 64327	10 mL	MSS_FV8270_IS_00006	2500 uL	1,4-Dichlorobenzene-d4	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_6_00065	07/31/25	05/06/25	MeCl2, Lot 65024	2 mL	MSS_8270_APWS_00025	100 uL	Diallate	12.5 ppm
.MSS_8270_APWS_00025	10/09/25	04/09/25	MeCl2, Lot 65010	5 mL	OP_RES_APPX4_00015	1250 uL	Diallate	250 ppm
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		Diallate	1000 ug/mL
MSS_RV8270_6_00068	08/28/25	06/23/25	MeCl2, Lot 65052	2 mL	MSS_8270_APWS_00028	100 uL	Benzidine	37.5 ppm
							1,3,5-Trinitrobenzene	12.5 ppm
							1,4-Dinitrobenzene	12.5 ppm
							1-Naphthylamine	12.5 ppm
							2-Acetylaminofluorene	12.5 ppm
							2-Naphthylamine	12.5 ppm
							2-Picoline	12.5 ppm
							2-Toluidine	12.5 ppm
							3,3'-Dimethylbenzidine	12.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	12.5 ppm
							4-Aminobiphenyl	12.5 ppm
							4-Nitroquinoline-1-oxide	12.5 ppm
							5-Nitro-o-toluidine	12.5 ppm
							Dibenz[a,h]acridine	12.5 ppm
							N-Nitrosodi-n-butylamine	12.5 ppm
							N-Nitrosodiethylamine	12.5 ppm
							N-Nitrosomethylethylamine	12.5 ppm
							N-Nitrosomorpholine	12.5 ppm
							N-Nitrosopiperidine	12.5 ppm
							N-Nitrosopyrrolidine	12.5 ppm
							p-Dimethylamino azobenzene	12.5 ppm
							p-Phenylene diamine	12.5 ppm
							Pentachloronitrobenzene	12.5 ppm
							Phenacetin	12.5 ppm
							Pronamide	12.5 ppm
							Quinoline	12.5 ppm
							1,4-Naphthoquinone	12.5 ppm
							1-Chloronaphthalene	12.5 ppm
							7,12-Dimethylbenz(a)anthracene	12.5 ppm
							Chlorobenzilate	12.5 ppm
							Dinoseb	12.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl methanesulfonate	12.5 ppm
							Hexachloropropene	12.5 ppm
							Isodrin	12.5 ppm
							Isosafrole Peak 1	2 ppm
							Isosafrole Peak 2	10.5 ppm
							Methyl methanesulfonate	12.5 ppm
							Pentachlorobenzene	12.5 ppm
							3-Methylcholanthrene	12.5 ppm
							6-Methylchrysene	12.5 ppm
							cis-Diallate	9.25 ppm
							Dimethoate	12.5 ppm
							Disulfoton	12.5 ppm
							Ethyl Parathion	12.5 ppm
							Methyl parathion	12.5 ppm
							o,o',o''-Triethylphosphorothioate	12.5 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	12.5 ppm
							Phorate	12.5 ppm
							Safrole, Total	12.5 ppm
							Sulfotepp	12.5 ppm
							trans-Diallate	3.25 ppm
					MSS_8270_WS_00027	100 uL	2,4,6-Tribromophenol (Surr)	25 ppm
							2-Fluorobiphenyl (Surr)	25 ppm
							2-Fluorophenol (Surr)	25 ppm
							Nitrobenzene-d5 (Surr)	25 ppm
							p-Terphenyl-d14 (Surr)	25 ppm
							Phenol-d5 (Surr)	25 ppm
							Alpha-Terpineol	12.5 ppm
							Dimethylformamide	12.5 ppm
							Octachlorostyrene	12.5 ppm
							Phenyl ether	12.5 ppm
							Dibenz[a,j]acridine	12.5 ppm
							1,1'-Biphenyl	12.5 ppm
							1,2,4,5-Tetrachlorobenzene	12.5 ppm
							1,2,4-Trichlorobenzene	12.5 ppm
							1,2-Dichlorobenzene	12.5 ppm
							1,2-Diphenylhydrazine	12.5 ppm
							1,3-Dichlorobenzene	12.5 ppm
							1,3-Dinitrobenzene	12.5 ppm
							1,4-Dichlorobenzene	12.5 ppm
							1,4-Dioxane	12.5 ppm
							1-Methylnaphthalene	12.5 ppm
							2,3,4,6-Tetrachlorophenol	12.5 ppm
							2,4,5-Trichlorophenol	12.5 ppm
							2,4,6-Trichlorophenol	12.5 ppm
							2,4-Dichlorophenol	12.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dimethylphenol	12.5 ppm
							2,4-Dinitrophenol	25 ppm
							2,4-Dinitrotoluene	12.5 ppm
							2,6-Dichlorophenol	12.5 ppm
							2,6-Dinitrotoluene	12.5 ppm
							2-Chloronaphthalene	12.5 ppm
							2-Chlorophenol	12.5 ppm
							2-Methylnaphthalene	12.5 ppm
							2-Nitroaniline	12.5 ppm
							2-Nitrophenol	12.5 ppm
							3-Nitroaniline	12.5 ppm
							4,6-Dinitro-2-methylphenol	25 ppm
							4-Bromophenyl-phenylether	12.5 ppm
							4-Chloro-3-methylphenol	12.5 ppm
							4-Chloroaniline	12.5 ppm
							4-Chlorophenyl-phenyl ether	12.5 ppm
							4-Nitroaniline	12.5 ppm
							4-Nitrophenol	25 ppm
							Acenaphthene	12.5 ppm
							Acenaphthylene	12.5 ppm
							Acetophenone	12.5 ppm
							Aniline	12.5 ppm
							Anthracene	12.5 ppm
							Benzo[a]anthracene	12.5 ppm
							Benzo[a]pyrene	12.5 ppm
							Benzo[b]fluoranthene	12.5 ppm
							Benzo[g,h,i]perylene	12.5 ppm
							Benzo[k]fluoranthene	12.5 ppm
							Benzyl alcohol	12.5 ppm
							bis (2-chloroisopropyl) ether	12.5 ppm
							Bis(2-chloroethoxy)methane	12.5 ppm
							Bis(2-chloroethyl)ether	12.5 ppm
							Bis(2-ethylhexyl) phthalate	12.5 ppm
							Butyl benzyl phthalate	12.5 ppm
							Carbazole	12.5 ppm
							Chrysene	12.5 ppm
							Di-n-butyl phthalate	12.5 ppm
							Di-n-octyl phthalate	12.5 ppm
							Dibenz(a,h)anthracene	12.5 ppm
							Dibenzofuran	12.5 ppm
							Diethyl phthalate	12.5 ppm
							Dimethyl phthalate	12.5 ppm
							Fluoranthene	12.5 ppm
							Fluorene	12.5 ppm
							Hexachlorobenzene	12.5 ppm
							Hexachlorobutadiene	12.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	12.5 ppm
							Hexachloroethane	12.5 ppm
							Indeno[1,2,3-cd]pyrene	12.5 ppm
							Isophorone	12.5 ppm
							m & p-Cresol	12.5 ppm
							N-Nitrosodi-n-propylamine	12.5 ppm
							N-Nitrosodimethylamine	12.5 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	10.625 ppm
							Naphthalene	12.5 ppm
							Nitrobenzene	12.5 ppm
							o-Cresol	12.5 ppm
							Pentachlorophenol	25 ppm
							Phenanthrene	12.5 ppm
							Phenol	12.5 ppm
							Pyrene	12.5 ppm
							Pyridine	25 ppm
							3,3'-Dichlorobenzidine	12.5 ppm
							Benzidine	37.5 ppm
					MSS_BAS_WS_00018	250 uL	Atrazine	12.5 ppm
							Benzaldehyde	12.5 ppm
							Caprolactam	12.5 ppm
					MSS_RV8270_IS_00110	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00028	12/31/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_AB_BZIDIN_00012	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							5-Nitro-o-toluidine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00018	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00012	10/07/27		Absolute, Lot 100724		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroquinoline-1-oxide	1000 ug/mL
							5-Nitro-o-toluidine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00027	09/30/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00023	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis (2-chloroisopropyl) ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							m & p-Cresol	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							o-Cresol	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27		Restek, Lot A0216024		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00023	09/30/25		Restek, Lot A0219584		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_6_00068	08/28/25	06/23/25	MeCl2, Lot 65052	2 mL	MSS_8270_APWS_00028	100 uL	Diallate	12.5 ppm
.MSS_8270_APWS_00028	12/31/25	06/20/25	MeCl2, Lot 65052	10 mL	OP_RES_APPX4_00015	2500 uL	Diallate	250 ppm
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		Diallate	1000 ug/mL
MSS_RV8270_6_00069	08/28/25	07/20/25	MeCl2, Lot 65122	5 mL	MSS_RV8270_IS_00110	100 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_6_00069	08/28/25	07/20/25	MeCl2, Lot 65122	5 mL	MSS_8270_APWS_00028	250 uL	5-Nitro-o-toluidine	12.5 ppm
							N-Nitrosodiethylamine	12.5 ppm
							N-Nitrosomorpholine	12.5 ppm
							N-Nitrosopiperidine	12.5 ppm
							Phenacetin	12.5 ppm
							Ethyl methanesulfonate	12.5 ppm
							Hexachloropropene	12.5 ppm
							Isodrin	12.5 ppm
							Pentachlorobenzene	12.5 ppm
							Diallate	12.5 ppm
							Dimethoate	12.5 ppm
							o,o',o''-Triethylphosphorothioate	12.5 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	12.5 ppm
							Phorate	12.5 ppm
							Safrole, Total	12.5 ppm
							Sulfotepp	12.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MSS_8270_WS_00027	250 uL	2,4,6-Tribromophenol (Surr)	25 ppm
							2-Fluorobiphenyl (Surr)	25 ppm
							2-Fluorophenol (Surr)	25 ppm
							Nitrobenzene-d5 (Surr)	25 ppm
							p-Terphenyl-d14 (Surr)	25 ppm
							Phenol-d5 (Surr)	25 ppm
							1,2,4,5-Tetrachlorobenzene	12.5 ppm
							1,3-Dinitrobenzene	12.5 ppm
							2,3,4,6-Tetrachlorophenol	12.5 ppm
							2,4,5-Trichlorophenol	12.5 ppm
							2,4,6-Trichlorophenol	12.5 ppm
							2,4-Dichlorophenol	12.5 ppm
							2,4-Dinitrotoluene	12.5 ppm
							2,6-Dichlorophenol	12.5 ppm
							2,6-Dinitrotoluene	12.5 ppm
							2-Chloronaphthalene	12.5 ppm
							2-Chlorophenol	12.5 ppm
							2-Methylnaphthalene	12.5 ppm
							2-Nitroaniline	12.5 ppm
							2-Nitrophenol	12.5 ppm
							4-Bromophenyl-phenylether	12.5 ppm
							4-Chloro-3-methylphenol	12.5 ppm
							4-Chlorophenyl-phenyl ether	12.5 ppm
							Acenaphthene	12.5 ppm
							Acenaphthylene	12.5 ppm
							Anthracene	12.5 ppm
							Benzo[a]anthracene	12.5 ppm
							Benzo[a]pyrene	12.5 ppm
							Benzo[b]fluoranthene	12.5 ppm
							Benzo[g,h,i]perylene	12.5 ppm
							Benzo[k]fluoranthene	12.5 ppm
							bis (2-chloroisopropyl) ether	12.5 ppm
							Bis(2-ethylhexyl) phthalate	12.5 ppm
							Chrysene	12.5 ppm
							Dibenz(a,h)anthracene	12.5 ppm
							Dibenzofuran	12.5 ppm
							Diethyl phthalate	12.5 ppm
							Fluoranthene	12.5 ppm
							Fluorene	12.5 ppm
							Hexachlorobenzene	12.5 ppm
							Indeno[1,2,3-cd]pyrene	12.5 ppm
							m & p-Cresol	12.5 ppm
							N-Nitrosodimethylamine	12.5 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	10.625 ppm
							Nitrobenzene	12.5 ppm
							o-Cresol	12.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	25 ppm
							Phenanthrene	12.5 ppm
							Phenol	12.5 ppm
							Pyrene	12.5 ppm
.MSS_8270_APWS_00028	12/31/25	06/20/25	MeCl2, Lot 65052	10 mL	OP_RES_APPX1_00018	2500 uL	5-Nitro-o-toluidine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							Phenacetin	250 ppm
					OP_RES_APPX2_00018	2500 uL	Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX4_00015	2500 uL	Diallate	250 ppm
							Dimethoate	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		5-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							Phenacetin	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		Diallate	1000 ug/mL
							Dimethoate	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
.MSS_8270_WS_00027	09/30/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_RES_LCS1_00023	2500 uL	1,2,4,5-Tetrachlorobenzene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							bis (2-chloroisopropyl) ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Chrysene	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							m & p-Cresol	250 ppm
							N-Nitrosodimethylamine	250 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	212.5 ppm
							Nitrobenzene	250 ppm
							o-Cresol	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_RES_LCS1_00023	09/30/25		Restek, Lot A0219584		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene	1000 ug/mL
MSS_RV8270_7_00043	06/23/25	03/27/25	MeCl2, Lot 64327	2 mL	MSS_8270_APWS_00024	160 uL	Benzidine	60 ppm
							1,3,5-Trinitrobenzene	20 ppm
							1,4-Dinitrobenzene	20 ppm
							1-Naphthylamine	20 ppm
							2-Acetylaminofluorene	20 ppm
							2-Naphthylamine	20 ppm
							2-Picoline	20 ppm
							2-Toluidine	20 ppm
							3,3'-Dimethylbenzidine	20 ppm
							4,4'-Methylene bis(2-chloroaniline)	20 ppm
							4-Aminobiphenyl	20 ppm
							4-Nitroquinoline-1-oxide	20 ppm
							5-Nitro-o-toluidine	20 ppm
							alpha,alpha-Dimethyl phenethylamine	20 ppm
							Dibenz[a,h]acridine	20 ppm
							N-Nitrosodi-n-butylamine	20 ppm
							N-Nitrosodiethylamine	20 ppm
							N-Nitrosomethylethylamine	20 ppm
							N-Nitrosomorpholine	20 ppm
							N-Nitrosopiperidine	20 ppm
							N-Nitrosopyrrolidine	20 ppm
							p-Dimethylamino azobenzene	20 ppm
							p-Phenylene diamine	20 ppm
							Pentachloronitrobenzene	20 ppm
							Phenacetin	20 ppm
							Pronamide	20 ppm
							Quinoline	20 ppm
							1,4-Naphthoquinone	20 ppm
							1-Chloronaphthalene	20 ppm
							7,12-Dimethylbenz(a)anthracene	20 ppm
							Chlorobenzilate	20 ppm
							Dinoseb	20 ppm
							Ethyl methanesulfonate	20 ppm
							Hexachloropropene	20 ppm
							Isodrin	20 ppm
							Isosafrole Peak 1	3.2 ppm
							Isosafrole Peak 2	16.8 ppm
							Methyl methanesulfonate	20 ppm
							Pentachlorobenzene	20 ppm
							3-Methylcholanthrene	20 ppm
							6-Methylchrysene	20 ppm
							cis-Diallate	14.8 ppm
							Dimethoate	20 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Disulfoton	20 ppm
							Ethyl Parathion	20 ppm
							Famphur	20 ppm
							Methyl parathion	20 ppm
							o,o',o''-Triethylphosphorothioate	20 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	20 ppm
							Phorate	20 ppm
							Safrole, Total	20 ppm
							Sulfotepp	20 ppm
							trans-Diallate	5.2 ppm
					MSS_8270_WS_00026	160 uL	2,4,6-Tribromophenol (Surr)	40 ppm
							2-Fluorobiphenyl (Surr)	40 ppm
							2-Fluorophenol (Surr)	40 ppm
							Nitrobenzene-d5 (Surr)	40 ppm
							p-Terphenyl-d14 (Surr)	40 ppm
							Phenol-d5 (Surr)	40 ppm
							Alpha-Terpineol	20 ppm
							Dimethylformamide	20 ppm
							Octachlorostyrene	20 ppm
							Phenyl ether	20 ppm
							Dibenz[a,j]acridine	20 ppm
							1,1'-Biphenyl	20 ppm
							1,2,4,5-Tetrachlorobenzene	20 ppm
							1,2,4-Trichlorobenzene	20 ppm
							1,2-Dichlorobenzene	20 ppm
							1,2-Diphenylhydrazine	20 ppm
							1,3-Dichlorobenzene	20 ppm
							1,3-Dinitrobenzene	20 ppm
							1,4-Dichlorobenzene	20 ppm
							1,4-Dioxane	20 ppm
							1-Methylnaphthalene	20 ppm
							2,3,4,6-Tetrachlorophenol	20 ppm
							2,4,5-Trichlorophenol	20 ppm
							2,4,6-Trichlorophenol	20 ppm
							2,4-Dichlorophenol	20 ppm
							2,4-Dimethylphenol	20 ppm
							2,4-Dinitrophenol	40 ppm
							2,4-Dinitrotoluene	20 ppm
							2,6-Dichlorophenol	20 ppm
							2,6-Dinitrotoluene	20 ppm
							2-Chloronaphthalene	20 ppm
							2-Chlorophenol	20 ppm
							2-Methylnaphthalene	20 ppm
							2-Nitroaniline	20 ppm
							2-Nitrophenol	20 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	20 ppm
							4,6-Dinitro-2-methylphenol	40 ppm
							4-Bromophenyl-phenylether	20 ppm
							4-Chloro-3-methylphenol	20 ppm
							4-Chloroaniline	20 ppm
							4-Chlorophenyl-phenyl ether	20 ppm
							4-Nitroaniline	20 ppm
							4-Nitrophenol	40 ppm
							Acenaphthene	20 ppm
							Acenaphthylene	20 ppm
							Acetophenone	20 ppm
							Aniline	20 ppm
							Anthracene	20 ppm
							Benzo[a]anthracene	20 ppm
							Benzo[a]pyrene	20 ppm
							Benzo[b]fluoranthene	20 ppm
							Benzo[g,h,i]perylene	20 ppm
							Benzo[k]fluoranthene	20 ppm
							Benzyl alcohol	20 ppm
							bis (2-chloroisopropyl) ether	20 ppm
							Bis(2-chloroethoxy)methane	20 ppm
							Bis(2-chloroethyl)ether	20 ppm
							Bis(2-ethylhexyl) phthalate	20 ppm
							Butyl benzyl phthalate	20 ppm
							Carbazole	20 ppm
							Chrysene	20 ppm
							Di-n-butyl phthalate	20 ppm
							Di-n-octyl phthalate	20 ppm
							Dibenz(a,h)anthracene	20 ppm
							Dibenzofuran	20 ppm
							Diethyl phthalate	20 ppm
							Dimethyl phthalate	20 ppm
							Fluoranthene	20 ppm
							Fluorene	20 ppm
							Hexachlorobenzene	20 ppm
							Hexachlorobutadiene	20 ppm
							Hexachlorocyclopentadiene	20 ppm
							Hexachloroethane	20 ppm
							Indeno[1,2,3-cd]pyrene	20 ppm
							Isophorone	20 ppm
							m & p-Cresol	20 ppm
							N-Nitrosodi-n-propylamine	20 ppm
							N-Nitrosodimethylamine	20 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	17 ppm
							Naphthalene	20 ppm
							Nitrobenzene	20 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o-Cresol	20 ppm
							Pentachlorophenol	40 ppm
							Phenanthrene	20 ppm
							Phenol	20 ppm
							Pyrene	20 ppm
							Pyridine	40 ppm
							3,3'-Dichlorobenzidine	20 ppm
							Benzidine	60 ppm
					MSS_BAS_WS_00018	400 uL	Atrazine	20 ppm
							Benzaldehyde	20 ppm
							Caprolactam	20 ppm
					MSS_RV8270_IS_00104	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							5-Nitro-o-toluidine	250 ppm
							alpha,alpha-Dimethyl phenethylamine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Famphur	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							5-Nitro-o-toluidine	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis (2-chloroisopropyl) ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							m & p-Cresol	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							o-Cresol	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25	Restek, Lot A0216029			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00104	09/20/25	03/21/25	MeCl2, Lot 64327	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_7_00045	08/28/25	06/23/25	MeCl2, Lot 65052	2 mL	MSS_8270_APWS_00028	160 uL	Benzidine	60 ppm
							1,3,5-Trinitrobenzene	20 ppm
							1,4-Dinitrobenzene	20 ppm
							1-Naphthylamine	20 ppm
							2-Acetylaminofluorene	20 ppm
							2-Naphthylamine	20 ppm
							2-Picoline	20 ppm
							2-Toluidine	20 ppm
							3,3'-Dimethylbenzidine	20 ppm
							4,4'-Methylene bis(2-chloroaniline)	20 ppm
							4-Aminobiphenyl	20 ppm
							4-Nitroquinoline-1-oxide	20 ppm
							5-Nitro-o-toluidine	20 ppm
							Dibenz[a,h]acridine	20 ppm
							N-Nitrosodi-n-butylamine	20 ppm
							N-Nitrosodiethylamine	20 ppm
							N-Nitrosomethylethylamine	20 ppm
							N-Nitrosomorpholine	20 ppm
							N-Nitrosopiperidine	20 ppm
							N-Nitrosopyrrolidine	20 ppm
							p-Dimethylamino azobenzene	20 ppm
							p-Phenylene diamine	20 ppm
							Pentachloronitrobenzene	20 ppm
							Phenacetin	20 ppm
							Pronamide	20 ppm
							Quinoline	20 ppm
							1,4-Naphthoquinone	20 ppm
							1-Chloronaphthalene	20 ppm
							7,12-Dimethylbenz(a)anthracene	20 ppm
							Chlorobenzilate	20 ppm
							Dinoseb	20 ppm
							Ethyl methanesulfonate	20 ppm
							Hexachloropropene	20 ppm
							Isodrin	20 ppm
							Isosafrole Peak 1	3.2 ppm
							Isosafrole Peak 2	16.8 ppm
							Methyl methanesulfonate	20 ppm
							Pentachlorobenzene	20 ppm
							3-Methylcholanthrene	20 ppm
							6-Methylchrysene	20 ppm
							cis-Diallate	14.8 ppm
							Dimethoate	20 ppm
							Disulfoton	20 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl Parathion	20 ppm
							Methyl parathion	20 ppm
							o,o',o''-Triethylphosphorothioate	20 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	20 ppm
							Phorate	20 ppm
							Safrole, Total	20 ppm
							Sulfotepp	20 ppm
							trans-Diallate	5.2 ppm
					MSS_8270_WS_00027	160 uL	2,4,6-Tribromophenol (Surr)	40 ppm
							2-Fluorobiphenyl (Surr)	40 ppm
							2-Fluorophenol (Surr)	40 ppm
							Nitrobenzene-d5 (Surr)	40 ppm
							p-Terphenyl-d14 (Surr)	40 ppm
							Phenol-d5 (Surr)	40 ppm
							Alpha-Terpineol	20 ppm
							Dimethylformamide	20 ppm
							Octachlorostyrene	20 ppm
							Phenyl ether	20 ppm
							Dibenz[a,j]acridine	20 ppm
							1,1'-Biphenyl	20 ppm
							1,2,4,5-Tetrachlorobenzene	20 ppm
							1,2,4-Trichlorobenzene	20 ppm
							1,2-Dichlorobenzene	20 ppm
							1,2-Diphenylhydrazine	20 ppm
							1,3-Dichlorobenzene	20 ppm
							1,3-Dinitrobenzene	20 ppm
							1,4-Dichlorobenzene	20 ppm
							1,4-Dioxane	20 ppm
							1-Methylnaphthalene	20 ppm
							2,3,4,6-Tetrachlorophenol	20 ppm
							2,4,5-Trichlorophenol	20 ppm
							2,4,6-Trichlorophenol	20 ppm
							2,4-Dichlorophenol	20 ppm
							2,4-Dimethylphenol	20 ppm
							2,4-Dinitrophenol	40 ppm
							2,4-Dinitrotoluene	20 ppm
							2,6-Dichlorophenol	20 ppm
							2,6-Dinitrotoluene	20 ppm
							2-Chloronaphthalene	20 ppm
							2-Chlorophenol	20 ppm
							2-Methylnaphthalene	20 ppm
							2-Nitroaniline	20 ppm
							2-Nitrophenol	20 ppm
							3-Nitroaniline	20 ppm
							4,6-Dinitro-2-methylphenol	40 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromophenyl-phenylether	20 ppm
							4-Chloro-3-methylphenol	20 ppm
							4-Chloroaniline	20 ppm
							4-Chlorophenyl-phenyl ether	20 ppm
							4-Nitroaniline	20 ppm
							4-Nitrophenol	40 ppm
							Acenaphthene	20 ppm
							Acenaphthylene	20 ppm
							Acetophenone	20 ppm
							Aniline	20 ppm
							Anthracene	20 ppm
							Benzo[a]anthracene	20 ppm
							Benzo[a]pyrene	20 ppm
							Benzo[b]fluoranthene	20 ppm
							Benzo[g,h,i]perylene	20 ppm
							Benzo[k]fluoranthene	20 ppm
							Benzyl alcohol	20 ppm
							bis (2-chloroisopropyl) ether	20 ppm
							Bis(2-chloroethoxy)methane	20 ppm
							Bis(2-chloroethyl)ether	20 ppm
							Bis(2-ethylhexyl) phthalate	20 ppm
							Butyl benzyl phthalate	20 ppm
							Carbazole	20 ppm
							Chrysene	20 ppm
							Di-n-butyl phthalate	20 ppm
							Di-n-octyl phthalate	20 ppm
							Dibenz(a,h)anthracene	20 ppm
							Dibenzofuran	20 ppm
							Diethyl phthalate	20 ppm
							Dimethyl phthalate	20 ppm
							Fluoranthene	20 ppm
							Fluorene	20 ppm
							Hexachlorobenzene	20 ppm
							Hexachlorobutadiene	20 ppm
							Hexachlorocyclopentadiene	20 ppm
							Hexachloroethane	20 ppm
							Indeno[1,2,3-cd]pyrene	20 ppm
							Isophorone	20 ppm
							m & p-Cresol	20 ppm
							N-Nitrosodi-n-propylamine	20 ppm
							N-Nitrosodimethylamine	20 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	17 ppm
							Naphthalene	20 ppm
							Nitrobenzene	20 ppm
							o-Cresol	20 ppm
							Pentachlorophenol	40 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	20 ppm
							Phenol	20 ppm
							Pyrene	20 ppm
							Pyridine	40 ppm
							3,3'-Dichlorobenzidine	20 ppm
							Benzidine	60 ppm
					MSS_BAS_WS_00018	400 uL	Atrazine	20 ppm
							Benzaldehyde	20 ppm
							Caprolactam	20 ppm
					MSS_RV8270_IS_00110	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00028	12/31/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_AB_BZIDIN_00012	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							5-Nitro-o-toluidine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00018	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00012	10/07/27		Absolute, Lot 100724		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							5-Nitro-o-toluidine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00027	09/30/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00023	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis (2-chloroisopropyl) ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							m & p-Cresol	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							o-Cresol	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00023	09/30/25	Restek, Lot A0219584			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_8_00042	06/23/25	02/27/25	MeCl2, Lot 64313	2 mL	MSS_8270_APWS_00024	240 uL	Benzidine	90 ppm
							1,3,5-Trinitrobenzene	30 ppm
							1,4-Dinitrobenzene	30 ppm
							1-Naphthylamine	30 ppm
							2-Acetylaminofluorene	30 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Naphthylamine	30 ppm
							2-Picoline	30 ppm
							2-Toluidine	30 ppm
							3,3'-Dimethylbenzidine	30 ppm
							4,4'-Methylene bis(2-chloroaniline)	30 ppm
							4-Aminobiphenyl	30 ppm
							4-Nitroquinoline-1-oxide	30 ppm
							5-Nitro-o-toluidine	30 ppm
							alpha,alpha-Dimethyl phenethylamine	30 ppm
							Dibenz[a,h]acridine	30 ppm
							N-Nitrosodi-n-butylamine	30 ppm
							N-Nitrosodiethylamine	30 ppm
							N-Nitrosomethylethylamine	30 ppm
							N-Nitrosomorpholine	30 ppm
							N-Nitrosopiperidine	30 ppm
							N-Nitrosopyrrolidine	30 ppm
							p-Dimethylamino azobenzene	30 ppm
							p-Phenylene diamine	30 ppm
							Pentachloronitrobenzene	30 ppm
							Phenacetin	30 ppm
							Pronamide	30 ppm
							Quinoline	30 ppm
							1,4-Naphthoquinone	30 ppm
							1-Chloronaphthalene	30 ppm
							7,12-Dimethylbenz(a)anthracene	30 ppm
							Chlorobenzilate	30 ppm
							Dinoseb	30 ppm
							Ethyl methanesulfonate	30 ppm
							Hexachloropropene	30 ppm
							Isodrin	30 ppm
							Isosafrole Peak 1	4.8 ppm
							Isosafrole Peak 2	25.2 ppm
							Methyl methanesulfonate	30 ppm
							Pentachlorobenzene	30 ppm
							3-Methylcholanthrene	30 ppm
							6-Methylchrysene	30 ppm
							cis-Diallate	22.2 ppm
							Dimethoate	30 ppm
							Disulfoton	30 ppm
							Ethyl Parathion	30 ppm
							Famphur	30 ppm
							Methyl parathion	30 ppm
							o,o',o''-Triethylphosphorothioate	30 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	30 ppm
							Phorate	30 ppm
							Safrole, Total	30 ppm
							Sulfotepp	30 ppm
							trans-Diallate	7.8 ppm
					MSS_8270_WS_00026	240 uL	2,4,6-Tribromophenol (Surr)	60 ppm
							2-Fluorobiphenyl (Surr)	60 ppm
							2-Fluorophenol (Surr)	60 ppm
							Nitrobenzene-d5 (Surr)	60 ppm
							p-Terphenyl-d14 (Surr)	60 ppm
							Phenol-d5 (Surr)	60 ppm
							Alpha-Terpineol	30 ppm
							Dimethylformamide	30 ppm
							Octachlorostyrene	30 ppm
							Phenyl ether	30 ppm
							Dibenz[a,j]acridine	30 ppm
							1,1'-Biphenyl	30 ppm
							1,2,4,5-Tetrachlorobenzene	30 ppm
							1,2,4-Trichlorobenzene	30 ppm
							1,2-Dichlorobenzene	30 ppm
							1,2-Diphenylhydrazine	30 ppm
							1,3-Dichlorobenzene	30 ppm
							1,3-Dinitrobenzene	30 ppm
							1,4-Dichlorobenzene	30 ppm
							1,4-Dioxane	30 ppm
							1-Methylnaphthalene	30 ppm
							2,3,4,6-Tetrachlorophenol	30 ppm
							2,4,5-Trichlorophenol	30 ppm
							2,4,6-Trichlorophenol	30 ppm
							2,4-Dichlorophenol	30 ppm
							2,4-Dimethylphenol	30 ppm
							2,4-Dinitrophenol	60 ppm
							2,4-Dinitrotoluene	30 ppm
							2,6-Dichlorophenol	30 ppm
							2,6-Dinitrotoluene	30 ppm
							2-Chloronaphthalene	30 ppm
							2-Chlorophenol	30 ppm
							2-Methylnaphthalene	30 ppm
							2-Nitroaniline	30 ppm
							2-Nitrophenol	30 ppm
							3-Nitroaniline	30 ppm
							4,6-Dinitro-2-methylphenol	60 ppm
							4-Bromophenyl-phenylether	30 ppm
							4-Chloro-3-methylphenol	30 ppm
							4-Chloroaniline	30 ppm
							4-Chlorophenyl-phenyl ether	30 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	30 ppm
							4-Nitrophenol	60 ppm
							Acenaphthene	30 ppm
							Acenaphthylene	30 ppm
							Acetophenone	30 ppm
							Aniline	30 ppm
							Anthracene	30 ppm
							Benzo[a]anthracene	30 ppm
							Benzo[a]pyrene	30 ppm
							Benzo[b]fluoranthene	30 ppm
							Benzo[g,h,i]perylene	30 ppm
							Benzo[k]fluoranthene	30 ppm
							Benzyl alcohol	30 ppm
							bis (2-chloroisopropyl) ether	30 ppm
							Bis(2-chloroethoxy)methane	30 ppm
							Bis(2-chloroethyl)ether	30 ppm
							Bis(2-ethylhexyl) phthalate	30 ppm
							Butyl benzyl phthalate	30 ppm
							Carbazole	30 ppm
							Chrysene	30 ppm
							Di-n-butyl phthalate	30 ppm
							Di-n-octyl phthalate	30 ppm
							Dibenz(a,h)anthracene	30 ppm
							Dibenzofuran	30 ppm
							Diethyl phthalate	30 ppm
							Dimethyl phthalate	30 ppm
							Fluoranthene	30 ppm
							Fluorene	30 ppm
							Hexachlorobenzene	30 ppm
							Hexachlorobutadiene	30 ppm
							Hexachlorocyclopentadiene	30 ppm
							Hexachloroethane	30 ppm
							Indeno[1,2,3-cd]pyrene	30 ppm
							Isophorone	30 ppm
							m & p-Cresol	30 ppm
							N-Nitrosodi-n-propylamine	30 ppm
							N-Nitrosodimethylamine	30 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	25.5 ppm
							Naphthalene	30 ppm
							Nitrobenzene	30 ppm
							o-Cresol	30 ppm
							Pentachlorophenol	60 ppm
							Phenanthrene	30 ppm
							Phenol	30 ppm
							Pyrene	30 ppm
							Pyridine	60 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3,3'-Dichlorobenzidine	30 ppm
							Benzidine	90 ppm
					MSS_BAS_WS_00017	600 uL	Atrazine	30 ppm
							Benzaldehyde	30 ppm
							Caprolactam	30 ppm
					MSS_RV8270_IS_00103	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							5-Nitro-o-toluidine	250 ppm
							alpha,alpha-Dimethyl phenethylamine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Famphur	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							5-Nitro-o-toluidine	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis (2-chloroisopropyl) ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							m & p-Cresol	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							o-Cresol	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25	Restek, Lot A0216029			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_BAS_WS_00017	06/23/25	12/23/24	MeCl2, Lot 64299	5 mL	OP_LCSmix2stk_00009	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00009	11/30/25		Restek, Lot A0212130		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_8_00044	08/28/25	06/23/25	MeCl2, Lot 65052	2 mL	MSS_8270_APWS_00028	240 uL	Benzidine	90 ppm
							1,3,5-Trinitrobenzene	30 ppm
							1,4-Dinitrobenzene	30 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Naphthylamine	30 ppm
							2-Acetylaminofluorene	30 ppm
							2-Naphthylamine	30 ppm
							2-Picoline	30 ppm
							2-Toluidine	30 ppm
							3,3'-Dimethylbenzidine	30 ppm
							4,4'-Methylene bis(2-chloroaniline)	30 ppm
							4-Aminobiphenyl	30 ppm
							4-Nitroquinoline-1-oxide	30 ppm
							5-Nitro-o-toluidine	30 ppm
							Dibenz[a,h]acridine	30 ppm
							N-Nitrosodi-n-butylamine	30 ppm
							N-Nitrosodiethylamine	30 ppm
							N-Nitrosomethylethylamine	30 ppm
							N-Nitrosomorpholine	30 ppm
							N-Nitrosopiperidine	30 ppm
							N-Nitrosopyrrolidine	30 ppm
							p-Dimethylamino azobenzene	30 ppm
							p-Phenylene diamine	30 ppm
							Pentachloronitrobenzene	30 ppm
							Phenacetin	30 ppm
							Pronamide	30 ppm
							Quinoline	30 ppm
							1,4-Naphthoquinone	30 ppm
							1-Chloronaphthalene	30 ppm
							7,12-Dimethylbenz(a)anthracene	30 ppm
							Chlorobenzilate	30 ppm
							Dinoseb	30 ppm
							Ethyl methanesulfonate	30 ppm
							Hexachloropropene	30 ppm
							Isodrin	30 ppm
							Isosafrole Peak 1	4.8 ppm
							Isosafrole Peak 2	25.2 ppm
							Methyl methanesulfonate	30 ppm
							Pentachlorobenzene	30 ppm
							3-Methylcholanthrene	30 ppm
							6-Methylchrysene	30 ppm
							cis-Diallate	22.2 ppm
							Dimethoate	30 ppm
							Disulfoton	30 ppm
							Ethyl Parathion	30 ppm
							Methyl parathion	30 ppm
							o,o',o''-Triethylphosphorothioate	30 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	30 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phorate	30 ppm
							Safrole, Total	30 ppm
							Sulfotepp	30 ppm
							trans-Diallate	7.8 ppm
					MSS_8270_WS_00027	240 uL	2,4,6-Tribromophenol (Surr)	60 ppm
							2-Fluorobiphenyl (Surr)	60 ppm
							2-Fluorophenol (Surr)	60 ppm
							Nitrobenzene-d5 (Surr)	60 ppm
							p-Terphenyl-d14 (Surr)	60 ppm
							Phenol-d5 (Surr)	60 ppm
							Alpha-Terpineol	30 ppm
							Dimethylformamide	30 ppm
							Octachlorostyrene	30 ppm
							Phenyl ether	30 ppm
							Dibenz[a,j]acridine	30 ppm
							1,1'-Biphenyl	30 ppm
							1,2,4,5-Tetrachlorobenzene	30 ppm
							1,2,4-Trichlorobenzene	30 ppm
							1,2-Dichlorobenzene	30 ppm
							1,2-Diphenylhydrazine	30 ppm
							1,3-Dichlorobenzene	30 ppm
							1,3-Dinitrobenzene	30 ppm
							1,4-Dichlorobenzene	30 ppm
							1,4-Dioxane	30 ppm
							1-Methylnaphthalene	30 ppm
							2,3,4,6-Tetrachlorophenol	30 ppm
							2,4,5-Trichlorophenol	30 ppm
							2,4,6-Trichlorophenol	30 ppm
							2,4-Dichlorophenol	30 ppm
							2,4-Dimethylphenol	30 ppm
							2,4-Dinitrophenol	60 ppm
							2,4-Dinitrotoluene	30 ppm
							2,6-Dichlorophenol	30 ppm
							2,6-Dinitrotoluene	30 ppm
							2-Chloronaphthalene	30 ppm
							2-Chlorophenol	30 ppm
							2-Methylnaphthalene	30 ppm
							2-Nitroaniline	30 ppm
							2-Nitrophenol	30 ppm
							3-Nitroaniline	30 ppm
							4,6-Dinitro-2-methylphenol	60 ppm
							4-Bromophenyl-phenylether	30 ppm
							4-Chloro-3-methylphenol	30 ppm
							4-Chloroaniline	30 ppm
							4-Chlorophenyl-phenyl ether	30 ppm
							4-Nitroaniline	30 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	60 ppm
							Acenaphthene	30 ppm
							Acenaphthylene	30 ppm
							Acetophenone	30 ppm
							Aniline	30 ppm
							Anthracene	30 ppm
							Benzo[a]anthracene	30 ppm
							Benzo[a]pyrene	30 ppm
							Benzo[b]fluoranthene	30 ppm
							Benzo[g,h,i]perylene	30 ppm
							Benzo[k]fluoranthene	30 ppm
							Benzyl alcohol	30 ppm
							bis (2-chloroisopropyl) ether	30 ppm
							Bis(2-chloroethoxy)methane	30 ppm
							Bis(2-chloroethyl)ether	30 ppm
							Bis(2-ethylhexyl) phthalate	30 ppm
							Butyl benzyl phthalate	30 ppm
							Carbazole	30 ppm
							Chrysene	30 ppm
							Di-n-butyl phthalate	30 ppm
							Di-n-octyl phthalate	30 ppm
							Dibenz(a,h)anthracene	30 ppm
							Dibenzofuran	30 ppm
							Diethyl phthalate	30 ppm
							Dimethyl phthalate	30 ppm
							Fluoranthene	30 ppm
							Fluorene	30 ppm
							Hexachlorobenzene	30 ppm
							Hexachlorobutadiene	30 ppm
							Hexachlorocyclopentadiene	30 ppm
							Hexachloroethane	30 ppm
							Indeno[1,2,3-cd]pyrene	30 ppm
							Isophorone	30 ppm
							m & p-Cresol	30 ppm
							N-Nitrosodi-n-propylamine	30 ppm
							N-Nitrosodimethylamine	30 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	25.5 ppm
							Naphthalene	30 ppm
							Nitrobenzene	30 ppm
							o-Cresol	30 ppm
							Pentachlorophenol	60 ppm
							Phenanthrene	30 ppm
							Phenol	30 ppm
							Pyrene	30 ppm
							Pyridine	60 ppm
							3,3'-Dichlorobenzidine	30 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzidine	90 ppm
					MSS_BAS_WS_00018	600 uL	Atrazine	30 ppm
							Benzaldehyde	30 ppm
							Caprolactam	30 ppm
					MSS_RV8270_IS_00110	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00028	12/31/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_AB_BZIDIN_00012	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							5-Nitro-o-toluidine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00018	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00012	10/07/27		Absolute, Lot 100724		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							5-Nitro-o-toluidine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00027	09/30/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00023	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl-phenylether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl-phenyl ether	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							bis (2-chloroisopropyl) ether	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							m & p-Cresol	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							o-Cresol	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00023	09/30/25	Restek, Lot A0219584			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_IS_00111	12/24/25	06/24/25	MeCl2, Lot 65052	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	0.00025 ppm Molar
							Acenaphthene-d10	0.00025 ppm Molar
							Naphthalene-d8	0.00025 ppm Molar
							Perylene-d12	0.00025 ppm Molar
							Phenanthrene-d10	0.00025 ppm Molar

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene-d10 (IS)	0.00025 ppm Molar
.MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270ICV_00036	04/30/25	04/03/25	MeCl2, Lot 65010	2 mL	MSS_FV8270ICV_00043	500 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_FV8270ICV_00043	04/30/25	04/02/25	MeCl2, Lot 65010	5 mL	MSS_FV8270_IS_00007	100 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
..MSS_FV8270_IS_00007	01/31/28		Restek, Lot A0221275		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270ICV_00036	04/30/25	04/03/25	MeCl2, Lot 65010	2 mL	MSS_FV8270ICV_00043	500 uL	1,2,4,5-Tetrachlorobenzene	12.5 ppm
							1,3-Dinitrobenzene	12.5 ppm
							2,3,4,6-Tetrachlorophenol	12.5 ppm
							2,4,5-Trichlorophenol	12.5 ppm
							2,4,6-Trichlorophenol	12.5 ppm
							2,4-Dichlorophenol	12.5 ppm
							2,4-Dinitrotoluene	12.5 ppm
							2,6-Dichlorophenol	12.5 ppm
							2,6-Dinitrotoluene	12.5 ppm
							2-Chloronaphthalene	12.5 ppm
							2-Chlorophenol	12.5 ppm
							2-Methylnaphthalene	12.5 ppm
							2-Nitroaniline	12.5 ppm
							2-Nitrophenol	12.5 ppm
							4-Bromophenyl-phenylether	12.5 ppm
							4-Chloro-3-methylphenol	12.5 ppm
							4-Chlorophenyl-phenyl ether	12.5 ppm
							Acenaphthene	12.5 ppm
							Acenaphthylene	12.5 ppm
							Anthracene	12.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	12.5 ppm
							Benzo[a]pyrene	12.5 ppm
							Benzo[b]fluoranthene	12.5 ppm
							Benzo[g,h,i]perylene	12.5 ppm
							Benzo[k]fluoranthene	12.5 ppm
							bis (2-chloroisopropyl) ether	12.5 ppm
							Bis(2-ethylhexyl) phthalate	12.5 ppm
							Chrysene	12.5 ppm
							Dibenz(a,h)anthracene	12.5 ppm
							Dibenzofuran	12.5 ppm
							Diethyl phthalate	12.5 ppm
							Fluoranthene	12.5 ppm
							Fluorene	12.5 ppm
							Hexachlorobenzene	12.5 ppm
							Indeno[1,2,3-cd]pyrene	12.5 ppm
							m & p-Cresol	12.5 ppm
							N-Nitrosodimethylamine	12.5 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	10.625 ppm
							Nitrobenzene	12.5 ppm
							o-Cresol	12.5 ppm
							Pentachlorophenol	25 ppm
							Phenanthrene	12.5 ppm
							Phenol	12.5 ppm
							Pyrene	12.5 ppm
							5-Nitro-o-toluidine	12.5 ppm
							N-Nitrosodiethylamine	12.5 ppm
							N-Nitrosomorpholine	12.5 ppm
							N-Nitrosopiperidine	12.5 ppm
							Phenacetin	12.5 ppm
							Ethyl methanesulfonate	12.5 ppm
							Hexachloropropene	12.5 ppm
							Isodrin	12.5 ppm
							Pentachlorobenzene	12.5 ppm
							Diallate	12.5 ppm
							Dimethoate	12.5 ppm
							o,o',o''-Triethylphosphorothioate	12.5 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	12.5 ppm
							Phorate	12.5 ppm
							Safrole, Total	12.5 ppm
							Sulfotepp	12.5 ppm
.MSS_FV8270ICV_00043	04/30/25	04/02/25	MeCl2, Lot 65010	5 mL	MS_RES_ICV1_00009	250 uL	1,2,4,5-Tetrachlorobenzene	50 ppm
							1,3-Dinitrobenzene	50 ppm
							2,3,4,6-Tetrachlorophenol	50 ppm
							2,4,5-Trichlorophenol	50 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trichlorophenol	50 ppm
							2,4-Dichlorophenol	50 ppm
							2,4-Dinitrotoluene	50 ppm
							2,6-Dichlorophenol	50 ppm
							2,6-Dinitrotoluene	50 ppm
							2-Chloronaphthalene	50 ppm
							2-Chlorophenol	50 ppm
							2-Methylnaphthalene	50 ppm
							2-Nitroaniline	50 ppm
							2-Nitrophenol	50 ppm
							4-Bromophenyl-phenylether	50 ppm
							4-Chloro-3-methylphenol	50 ppm
							4-Chlorophenyl-phenyl ether	50 ppm
							Acenaphthene	50 ppm
							Acenaphthylene	50 ppm
							Anthracene	50 ppm
							Benzo[a]anthracene	50 ppm
							Benzo[a]pyrene	50 ppm
							Benzo[b]fluoranthene	50 ppm
							Benzo[g,h,i]perylene	50 ppm
							Benzo[k]fluoranthene	50 ppm
							bis (2-chloroisopropyl) ether	50 ppm
							Bis(2-ethylhexyl) phthalate	50 ppm
							Chrysene	50 ppm
							Dibenz(a,h)anthracene	50 ppm
							Dibenzofuran	50 ppm
							Diethyl phthalate	50 ppm
							Fluoranthene	50 ppm
							Fluorene	50 ppm
							Hexachlorobenzene	50 ppm
							Indeno[1,2,3-cd]pyrene	50 ppm
							m & p-Cresol	50 ppm
							N-Nitrosodimethylamine	50 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	42.5 ppm
							Nitrobenzene	50 ppm
							o-Cresol	50 ppm
							Pentachlorophenol	100 ppm
							Phenanthrene	50 ppm
							Phenol	50 ppm
							Pyrene	50 ppm
					MS_RES_ICV4_00009	250 uL	5-Nitro-o-toluidine	50 ppm
							N-Nitrosodiethylamine	50 ppm
							N-Nitrosomorpholine	50 ppm
							N-Nitrosopiperidine	50 ppm
							Phenacetin	50 ppm
					MS_RES_ICV5_00014	250 uL	Ethyl methanesulfonate	50 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloropropene	50 ppm
							Isodrin	50 ppm
							Pentachlorobenzene	50 ppm
					MS_RES_ICV7_00006	250 uL	Diallate	50 ppm
							Dimethoate	50 ppm
							o,o',o''-Triethylphosphorothioate	50 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	50 ppm
							Phorate	50 ppm
							Safrole, Total	50 ppm
							Sulfotepp	50 ppm
..MS_RES_ICV1_00009	04/30/25		Restek, Lot A0212976		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m & p-Cresol	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..MS_RES_ICV4_00009	08/31/25		Restek, Lot A0214847		(Purchased Reagent)		5-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							Phenacetin	1000 ug/mL
..MS_RES_ICV5_00014	08/31/25		Restek, Lot A0215414		(Purchased Reagent)		Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..MS_RES_ICV7_00006	07/31/26		Restek, Lot A0214408		(Purchased Reagent)		Diallate	1000 ug/mL
							Dimethoate	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
MSS_RV8270ICV_00037	08/31/25	05/01/25	MeCl2, Lot 64327	2 mL	MSS_FV8270ICV_00044	500 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_FV8270ICV_00044	08/31/25	05/01/25	MeCl2, Lot 64327	5 mL	MSS_FV8270_IS_00007	100 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
..MSS_FV8270_IS_00007	01/31/28		Restek, Lot A0221275		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSS_RV8270ICV_00037	08/31/25	05/01/25	MeCl2, Lot 64327	2 mL	MSS_FV8270ICV_00044	500 uL	1,2,4,5-Tetrachlorobenzene	12.5 ppm
							1,3-Dinitrobenzene	12.5 ppm
							2,3,4,6-Tetrachlorophenol	12.5 ppm
							2,4,5-Trichlorophenol	12.5 ppm
							2,4,6-Trichlorophenol	12.5 ppm
							2,4-Dichlorophenol	12.5 ppm
							2,4-Dinitrotoluene	12.5 ppm
							2,6-Dichlorophenol	12.5 ppm
							2,6-Dinitrotoluene	12.5 ppm
							2-Chloronaphthalene	12.5 ppm
							2-Chlorophenol	12.5 ppm
							2-Methylnaphthalene	12.5 ppm
							2-Nitroaniline	12.5 ppm
							2-Nitrophenol	12.5 ppm
							4-Bromophenyl-phenylether	12.5 ppm
							4-Chloro-3-methylphenol	12.5 ppm
							4-Chlorophenyl-phenyl ether	12.5 ppm
							Acenaphthene	12.5 ppm
							Acenaphthylene	12.5 ppm
							Anthracene	12.5 ppm
							Benzo[a]anthracene	12.5 ppm
							Benzo[a]pyrene	12.5 ppm
							Benzo[b]fluoranthene	12.5 ppm
							Benzo[g,h,i]perylene	12.5 ppm
							Benzo[k]fluoranthene	12.5 ppm
							bis (2-chloroisopropyl) ether	12.5 ppm
							Bis(2-ethylhexyl) phthalate	12.5 ppm
							Chrysene	12.5 ppm
							Dibenz(a,h)anthracene	12.5 ppm
							Dibenzofuran	12.5 ppm
							Diethyl phthalate	12.5 ppm
							Fluoranthene	12.5 ppm
							Fluorene	12.5 ppm
							Hexachlorobenzene	12.5 ppm
							Indeno[1,2,3-cd]pyrene	12.5 ppm
							m & p-Cresol	12.5 ppm
							N-Nitrosodimethylamine	12.5 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	10.625 ppm
							Nitrobenzene	12.5 ppm
							o-Cresol	12.5 ppm
							Pentachlorophenol	25 ppm
							Phenanthrene	12.5 ppm
							Phenol	12.5 ppm
							Pyrene	12.5 ppm
							5-Nitro-o-toluidine	12.5 ppm
							N-Nitrosodiethylamine	12.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosomorpholine	12.5 ppm
							N-Nitrosopiperidine	12.5 ppm
							Phenacetin	12.5 ppm
							Ethyl methanesulfonate	12.5 ppm
							Hexachloropropene	12.5 ppm
							Isodrin	12.5 ppm
							Pentachlorobenzene	12.5 ppm
							Diallate	12.5 ppm
							Dimethoate	12.5 ppm
							o,o',o''-Triethylphosphorothioate	12.5 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	12.5 ppm
							Phorate	12.5 ppm
							Safrole, Total	12.5 ppm
							Sulfotepp	12.5 ppm
.MSS_FV8270ICV_00044	08/31/25	05/01/25	MeCl2, Lot 64327	5 mL	MS_RES_ICV1_00010	250 uL	1,2,4,5-Tetrachlorobenzene	50 ppm
							1,3-Dinitrobenzene	50 ppm
							2,3,4,6-Tetrachlorophenol	50 ppm
							2,4,5-Trichlorophenol	50 ppm
							2,4,6-Trichlorophenol	50 ppm
							2,4-Dichlorophenol	50 ppm
							2,4-Dinitrotoluene	50 ppm
							2,6-Dichlorophenol	50 ppm
							2,6-Dinitrotoluene	50 ppm
							2-Chloronaphthalene	50 ppm
							2-Chlorophenol	50 ppm
							2-Methylnaphthalene	50 ppm
							2-Nitroaniline	50 ppm
							2-Nitrophenol	50 ppm
							4-Bromophenyl-phenylether	50 ppm
							4-Chloro-3-methylphenol	50 ppm
							4-Chlorophenyl-phenyl ether	50 ppm
							Acenaphthene	50 ppm
							Acenaphthylene	50 ppm
							Anthracene	50 ppm
							Benzo[a]anthracene	50 ppm
							Benzo[a]pyrene	50 ppm
							Benzo[b]fluoranthene	50 ppm
							Benzo[g,h,i]perylene	50 ppm
							Benzo[k]fluoranthene	50 ppm
							bis (2-chloroisopropyl) ether	50 ppm
							Bis(2-ethylhexyl) phthalate	50 ppm
							Chrysene	50 ppm
							Dibenz(a,h)anthracene	50 ppm
							Dibenzofuran	50 ppm
							Diethyl phthalate	50 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	50 ppm
							Fluorene	50 ppm
							Hexachlorobenzene	50 ppm
							Indeno[1,2,3-cd]pyrene	50 ppm
							m & p-Cresol	50 ppm
							N-Nitrosodimethylamine	50 ppm
							n-Nitrosodiphenylamine(as diphenylamine)	42.5 ppm
							Nitrobenzene	50 ppm
							o-Cresol	50 ppm
							Pentachlorophenol	100 ppm
							Phenanthrene	50 ppm
							Phenol	50 ppm
							Pyrene	50 ppm
					MS_RES_ICV4_00009	250 uL	5-Nitro-o-toluidine	50 ppm
							N-Nitrosodiethylamine	50 ppm
							N-Nitrosomorpholine	50 ppm
							N-Nitrosopiperidine	50 ppm
							Phenacetin	50 ppm
					MS_RES_ICV5_00014	250 uL	Ethyl methanesulfonate	50 ppm
							Hexachloropropene	50 ppm
							Isodrin	50 ppm
							Pentachlorobenzene	50 ppm
					MS_RES_ICV7_00006	250 uL	Diallate	50 ppm
							Dimethoate	50 ppm
							o,o',o''-Triethylphosphorothioate	50 ppm
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	50 ppm
							Phorate	50 ppm
							Safrole, Total	50 ppm
							Sulfotepp	50 ppm
..MS_RES_ICV1_00010	10/31/25		Restek, Lot A0219885		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..MS_RES_ICV4_00009	08/31/25		Restek, Lot A0214847		(Purchased Reagent)		5-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							Phenacetin	1000 ug/mL
..MS_RES_ICV5_00014	08/31/25		Restek, Lot A0215414		(Purchased Reagent)		Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..MS_RES_ICV7_00006	07/31/26		Restek, Lot A0214408		(Purchased Reagent)		Diallate	1000 ug/mL
							Dimethoate	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Sulfotepp	1000 ug/mL
MSS_RVABC_3_00017	11/09/25	05/22/25	MeCl2, Lot 65059	2 mL	MSS_AB_FAMPHU_00008	2.5 uL	Famphur	1.25 ug/mL
					MSS_AB_METH_00006	2.5 uL	Methapyrilene	1.25 ug/mL
					MSS_RV8270_IS_00108	40 uL	1,4-Dichlorobenzene-d4	5 ug/mL
							Acenaphthene-d10	5 ug/mL
							Naphthalene-d8	5 ug/mL
							Perylene-d12	5 ug/mL
							Phenanthrene-d10	5 ug/mL
							Pyrene-d10 (IS)	5 ug/mL
					OP_KEPONE_STK_00002	25 uL	Kepone	12.4125 ug/mL
.MSS_AB_FAMPHU_00008	04/11/27		Absolute, Lot 041124		(Purchased Reagent)		Famphur	1000 ug/mL
.MSS_AB_METH_00006	01/03/27		Absolute, Lot 010324		(Purchased Reagent)		Methapyrilene	1000 ug/mL
.MSS_RV8270_IS_00108	11/09/25	05/09/25	MeCl2, Lot 65024	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
.OP_KEPONE_STK_00002	08/21/27		AccuStandard, Lot 224081365		(Purchased Reagent)		Kepone	993 ug/mL
MSS_RVABC_4_00014	11/09/25	05/22/25	MeCl2, Lot 65059	2 mL	MSS_AB_FAMPHU_00008	7.5 uL	Famphur	3.75 ug/mL
					MSS_AB_METH_00006	7.5 uL	Methapyrilene	3.75 ug/mL
					MSS_RV8270_IS_00108	40 uL	1,4-Dichlorobenzene-d4	5 ug/mL
							Acenaphthene-d10	5 ug/mL
							Naphthalene-d8	5 ug/mL
							Perylene-d12	5 ug/mL
							Phenanthrene-d10	5 ug/mL
							Pyrene-d10 (IS)	5 ug/mL
					OP_KEPONE_STK_00002	50 uL	Kepone	24.825 ug/mL
.MSS_AB_FAMPHU_00008	04/11/27		Absolute, Lot 041124		(Purchased Reagent)		Famphur	1000 ug/mL
.MSS_AB_METH_00006	01/03/27		Absolute, Lot 010324		(Purchased Reagent)		Methapyrilene	1000 ug/mL
.MSS_RV8270_IS_00108	11/09/25	05/09/25	MeCl2, Lot 65024	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
.OP_KEPONE_STK_00002	08/21/27	AccuStandard, Lot 224081365			(Purchased Reagent)		Kepone	993 ug/mL
MSS_RVABC_5_00014	11/09/25	05/22/25	MeCl2, Lot 65059	1 mL	MSS_AB_FAMPHU_00008	7.5 uL	Famphur	7.5 ug/mL
					MSS_AB_METH_00006	7.5 uL	Methapyrilene	7.5 ug/mL
					MSS_RV8270_IS_00108	20 uL	1,4-Dichlorobenzene-d4	5 ug/mL
							Acenaphthene-d10	5 ug/mL
							Naphthalene-d8	5 ug/mL
							Perylene-d12	5 ug/mL
							Phenanthrene-d10	5 ug/mL
							Pyrene-d10 (IS)	5 ug/mL
					OP_KEPONE_STK_00002	40 uL	Kepone	39.72 ug/mL
.MSS_AB_FAMPHU_00008	04/11/27	Absolute, Lot 041124			(Purchased Reagent)		Famphur	1000 ug/mL
.MSS_AB_METH_00006	01/03/27	Absolute, Lot 010324			(Purchased Reagent)		Methapyrilene	1000 ug/mL
.MSS_RV8270_IS_00108	11/09/25	05/09/25	MeCl2, Lot 65024	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28	Restek, Lot A0223654			(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
.OP_KEPONE_STK_00002	08/21/27	AccuStandard, Lot 224081365			(Purchased Reagent)		Kepone	993 ug/mL
MSS_RVABC_6_00022	10/11/25	05/02/25	MeCl2, Lot 64327	2 mL	MSS_AB_KEPONE_00005	120 uL	Kepone	60 ug/mL
.MSS_AB_KEPONE_00005	01/18/26	Absolute, Lot 011821			(Purchased Reagent)		Kepone	1000 ug/mL
MSS_RVABC_6_00023	11/09/25	05/22/25	MeCl2, Lot 65059	2 mL	MSS_AB_FAMPHU_00008	25 uL	Famphur	12.5 ug/mL
					MSS_AB_METH_00006	25 uL	Methapyrilene	12.5 ug/mL
					MSS_RV8270_IS_00108	40 uL	1,4-Dichlorobenzene-d4	5 ug/mL
							Acenaphthene-d10	5 ug/mL
							Naphthalene-d8	5 ug/mL
							Perylene-d12	5 ug/mL
							Phenanthrene-d10	5 ug/mL
							Pyrene-d10 (IS)	5 ug/mL
					OP_KEPONE_STK_00002	120 uL	Kepone	59.58 ug/mL
.MSS_AB_FAMPHU_00008	04/11/27	Absolute, Lot 041124			(Purchased Reagent)		Famphur	1000 ug/mL
.MSS_AB_METH_00006	01/03/27	Absolute, Lot 010324			(Purchased Reagent)		Methapyrilene	1000 ug/mL
.MSS_RV8270_IS_00108	11/09/25	05/09/25	MeCl2, Lot 65024	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
.OP_KEPONE_STK_00002	08/21/27		AccuStandard, Lot 224081365		(Purchased Reagent)		Kepone	993 ug/mL
MSS_RVABC_7_00015	11/09/25	05/22/25	MeCl2, Lot 65059	1 mL	MSS_AB_FAMPHU_00008	20 uL	Famphur	20 ug/mL
					MSS_AB_METH_00006	20 uL	Methapyrilene	20 ug/mL
					MSS_RV8270_IS_00108	20 uL	1,4-Dichlorobenzene-d4	5 ug/mL
							Acenaphthene-d10	5 ug/mL
							Naphthalene-d8	5 ug/mL
							Perylene-d12	5 ug/mL
							Phenanthrene-d10	5 ug/mL
							Pyrene-d10 (IS)	5 ug/mL
					OP_KEPONE_STK_00002	80 uL	Kepone	79.44 ug/mL
.MSS_AB_FAMPHU_00008	04/11/27		Absolute, Lot 041124		(Purchased Reagent)		Famphur	1000 ug/mL
.MSS_AB_METH_00006	01/03/27		Absolute, Lot 010324		(Purchased Reagent)		Methapyrilene	1000 ug/mL
.MSS_RV8270_IS_00108	11/09/25	05/09/25	MeCl2, Lot 65024	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
.OP_KEPONE_STK_00002	08/21/27		AccuStandard, Lot 224081365		(Purchased Reagent)		Kepone	993 ug/mL
MSS_RVABC_8_00016	11/09/25	05/22/25	MeCl2, Lot 65059	1 mL	MSS_AB_FAMPHU_00008	30 uL	Famphur	30 ug/mL
					MSS_AB_METH_00006	30 uL	Methapyrilene	30 ug/mL
					MSS_RV8270_IS_00108	20 uL	1,4-Dichlorobenzene-d4	5 ug/mL
							Acenaphthene-d10	5 ug/mL
							Naphthalene-d8	5 ug/mL
							Perylene-d12	5 ug/mL
							Phenanthrene-d10	5 ug/mL
							Pyrene-d10 (IS)	5 ug/mL
					OP_KEPONE_STK_00002	100 uL	Kepone	99.3 ug/mL
.MSS_AB_FAMPHU_00008	04/11/27		Absolute, Lot 041124		(Purchased Reagent)		Famphur	1000 ug/mL
.MSS_AB_METH_00006	01/03/27		Absolute, Lot 010324		(Purchased Reagent)		Methapyrilene	1000 ug/mL
.MSS_RV8270_IS_00108	11/09/25	05/09/25	MeCl2, Lot 65024	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
.OP_KEPONE_STK_00002	08/21/27		AccuStandard, Lot 224081365		(Purchased Reagent)		Kepone	993 ug/mL
MSS_RVDFTPP_00016							3 & 4 Methylphenol	
							4,4'-DDD	
							4,4'-DDE	
							Aramite, Total	
							Diallate	
							Diphenylamine	
							Isosafrole	
							m&p-Methylphenol	
							Tentatively Identified Compound	
							Total Cresols	
					MSS_AB_DFTPP_00016	625 uL	4,4'-DDT	12.5 ppm
							Benzidine_T	12.5 ppm
							DFTPP	12.5 ppm
							Pentachlorophenol_T	12.5 ppm
.MSS_AB_DFTPP_00016	07/20/25		Absolute, Lot 072022		(Purchased Reagent)		4,4'-DDT	500 ug/mL
							Benzidine_T	500 ug/mL
							DFTPP	500 ug/mL
							Pentachlorophenol_T	500 ug/mL
MSS_RVDFTPP_00017							3 & 4 Methylphenol	
							4,4'-DDD	
							4,4'-DDE	
							Aramite, Total	
							Diallate	
							Diphenylamine	
							Isosafrole	
							m&p-Methylphenol	
							Tentatively Identified Compound	
							Total Cresols	
					MSS_AB_DFTPP_00016	625 uL	4,4'-DDT	12.5 ppm
							Benzidine_T	12.5 ppm
							DFTPP	12.5 ppm
							Pentachlorophenol_T	12.5 ppm
.MSS_AB_DFTPP_00016	07/20/25		Absolute, Lot 072022		(Purchased Reagent)		4,4'-DDT	500 ug/mL
							Benzidine_T	500 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							DFTPP	500 ug/mL
							Pentachlorophenol_T	500 ug/mL
MSS_RVDFTPP_00018							3 & 4 Methylphenol	
							Aramite, Total	
							Diallate	
							Diphenylamine	
							Isosafrole	
							m&p-Methylphenol	
							Tentatively Identified Compound	
							Total Cresols	
					MSS_AB_DFTPP_00018	625 uL	4,4'-DDD	
							4,4'-DDE	
							4,4'-DDT	12.5 ppm
							Benzidine_T	12.5 ppm
							DFTPP	12.5 ppm
							Pentachlorophenol_T	12.5 ppm
.MSS_AB_DFTPP_00018	10/21/27		Absolute, Lot 102124		(Purchased Reagent)		4,4'-DDD	0 ug/mL
							4,4'-DDE	0 ug/mL
							4,4'-DDT	500 ug/mL
							Benzidine_T	500 ug/mL
							DFTPP	500 ug/mL
							Pentachlorophenol_T	500 ug/mL
MSS_RVHCPICV_00011	12/10/25	06/24/25	MeCl2, Lot 65052	1 mL	MSS_RV8270_IS_00110	20 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RVPDAICV_00007	12/10/25	06/24/25	MeCl2, Lot 65052	1 mL	MSS_RV8270_IS_00110	20 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene-d10 (IS)	5 ppm
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSV_4ppbEE_00624	03/03/25	02/24/25	DI Water, Lot DI 23226	1000 mL	MSV_CCV_2CEVE_00216	4 uL	2-Chloroethyl vinyl ether	4 ug/L
					MSV_CCV_CYC_00011	32 uL	Cyclohexanone	199.982 ug/L
					MSV_CCV_EE_00008	4 uL	Diethyl ether	3.99973 ug/L
					MSV_CCV_GASES_00961	2 uL	1,2-Dichloro-1,1,2-trifluoroethane	4 ug/L
							Bromomethane	4 ug/L
							Butadiene	4 ug/L
							Chloroethane	4 ug/L
							Chloromethane	4 ug/L
							Dichlorodifluoromethane	4 ug/L
							Dichlorofluoromethane	4 ug/L
							Trichlorofluoromethane	4 ug/L
							Vinyl chloride	4 ug/L
					MSV_CCV_VOC#1_00224	4 uL	1,1,1,2-Tetrachloroethane	4 ug/L
							1,1,1-Trichloroethane	4 ug/L
							1,1,2,2-Tetrachloroethane	4 ug/L
							1,1,2-Trichloroethane	4 ug/L
							1,1-Dichloroethane	4 ug/L
							1,1-Dichloroethene	4 ug/L
							1,1-Dichloropropene	4 ug/L
							1,2,3-Trichlorobenzene	4 ug/L
							1,2,3-Trichloropropane	4 ug/L
							1,2,4-Trichlorobenzene	4 ug/L
							1,2,4-Trimethylbenzene	4 ug/L
							1,2-Dibromo-3-Chloropropane	4 ug/L
							1,2-Dibromoethane	4 ug/L
							1,2-Dichlorobenzene	4 ug/L
							1,2-Dichloroethane	4 ug/L
							1,2-Dichloropropane	4 ug/L
							1,3,5-Trimethylbenzene	4 ug/L
							1,3-Dichlorobenzene	4 ug/L
							1,3-Dichloropropane	4 ug/L
							1,4-Dichlorobenzene	4 ug/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2-Dichloropropane	4 ug/L
							2-Chlorotoluene	4 ug/L
							4-Chlorotoluene	4 ug/L
							4-Isopropyltoluene	4 ug/L
							Benzene	4 ug/L
							Bromobenzene	4 ug/L
							Bromodichloromethane	4 ug/L
							Bromoform	4 ug/L
							Carbon tetrachloride	4 ug/L
							Chlorobenzene	4 ug/L
							Chlorobromomethane	4 ug/L
							Chloroform	4 ug/L
							cis-1,2-Dichloroethene	4 ug/L
							cis-1,3-Dichloropropene	4 ug/L
							Dibromochloromethane	4 ug/L
							Dibromomethane	4 ug/L
							Ethylbenzene	4 ug/L
							Hexachlorobutadiene	4 ug/L
							Isopropylbenzene	4 ug/L
							m&p-Xylene	8 ug/L
							Methylene Chloride	4 ug/L
							n-Butylbenzene	4 ug/L
							N-Propylbenzene	4 ug/L
							Naphthalene	4 ug/L
							o-Xylene	4 ug/L
							sec-Butylbenzene	4 ug/L
							Styrene	4 ug/L
							tert-Butylbenzene	4 ug/L
							Tetrachloroethene	4 ug/L
							Toluene	4 ug/L
							trans-1,2-Dichloroethene	4 ug/L
							trans-1,3-Dichloropropene	4 ug/L
							Trichloroethene	4 ug/L
							1,1,2-Trichloro-1,2,2-trifluoroethane	4 ug/L
							1,2,3-Trimethylbenzene	4 ug/L
							1,3,5-Trichlorobenzene	4 ug/L
							1,3-Diethylbenzene	4 ug/L
							1,4-Dioxane	50 ug/L
							1-Chlorohexane	4 ug/L
							2-ethoxy-2-methyl butane	4 ug/L
							2-Methyl-2-propanol	20 ug/L
							2-Methylnaphthalene	4 ug/L
							2-Nitropropane	20 ug/L
							2-Propanol	20 ug/L
							Acrylonitrile	10 ug/L
							Allyl chloride	4 ug/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl chloride	4 ug/L
							Carbon disulfide	4 ug/L
							Chloroprene	4 ug/L
							Cyclohexane	4 ug/L
							Ethyl methacrylate	4 ug/L
							Hexane	4 ug/L
							Isobutyl alcohol	50 ug/L
							Isopropyl ether	4 ug/L
							Methacrylonitrile	10 ug/L
							Methyl acetate	4 ug/L
							Methyl iodide	4 ug/L
							Methyl methacrylate	4 ug/L
							Methyl tert-butyl ether	4 ug/L
							Methylcyclohexane	4 ug/L
							n-Butanol	50 ug/L
							n-Heptane	4 ug/L
							o-diethylbenzene	4 ug/L
							p-Diethylbenzene	4 ug/L
							Pentane	4 ug/L
							Propionitrile	20 ug/L
							Tert-amyl methyl ether	4 ug/L
							Tert-butyl ethyl ether	4 ug/L
							Tetrahydrofuran	20 ug/L
							trans-1,4-Dichloro-2-butene	10 ug/L
					MSV_CCV_VOC#3_00225	3.2 uL	Acrolein	39.035 ug/L
							2-Butanone	8 ug/L
							2-Hexanone	8 ug/L
							4-Methyl-2-pentanone	8 ug/L
							Acetone	8 ug/L
					MSV_V_Acr_Std_00009	0.8 uL	2-Ethylhexyl acrylate	3.99789 ug/L
							n-Butyl acrylate	3.99833 ug/L
							Ethyl acrylate	4.00142 ug/L
							Methyl acrylate	4.00074 ug/L
.MSV_CCV_2CEVE_00216	03/26/25	02/24/25	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00223	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00223	05/31/27		Restek, Lot A0211425		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_CYC_00011	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00014	8.884 mL	Cyclohexanone	6249.45 ug/mL
..MSV_VCYC_STK_00014	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00010	1.4069 g	Cyclohexanone	140690 ug/mL
...MSV_CYC_00010	06/30/27		Chem Service, Lot 15471000		(Purchased Reagent)		Cyclohexanone	1 g/g
.MSV_CCV_EE_00008	05/06/25	11/06/24	Methanol, Lot EH471	50 mL	MSV_EE_MISCSK_00015	1.115 mL	Diethyl ether	999.932 ug/mL
..MSV_EE_MISCSK_00015	05/06/25	11/06/24	Methanol, Lot EH471	10 mL	MSV_EE_Neat_00012	0.4484 g	Diethyl ether	44840 ug/mL
...MSV_EE_Neat_00012	06/30/27		Chem Service, Lot 14084700		(Purchased Reagent)		Diethyl ether	1 g/g
.MSV_CCV_GASES_00961	03/03/25		Restek, Lot A0212054		(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MSV_CCV_VOC#1_00224	03/26/25	02/24/25	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00222	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chlorobromomethane	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m&p-Xylene	2000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00223	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,3-Diethylbenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-ethoxy-2-methyl butane	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitropropane	5000 ug/mL
							2-Propanol	5000 ug/mL
							Acrylonitrile	2500 ug/mL
							Allyl chloride	1000 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Chloroprene	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Hexane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl iodide	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL
							n-Heptane	1000 ug/mL
							o-diethylbenzene	1000 ug/mL
							p-Diethylbenzene	1000 ug/mL
							Pentane	1000 ug/mL
							Propionitrile	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
..MSV_MegaMIX#1_00222	03/26/25		Restek, Lot A0211483		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chlorobromomethane	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m&p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00223	03/26/25		Restek, Lot A0212010		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 ug/mL
							2-Nitropropane	25000 ug/mL
							2-Propanol	25000 ug/mL
							Acrylonitrile	12500 ug/mL
							Allyl chloride	5000 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Chloroprene	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl iodide	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							o-diethylbenzene	5000 ug/mL
							p-Diethylbenzene	5000 ug/mL
							Pentane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_CCV_VOC#3_00225	03/15/25	02/24/25	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00025	0.5 mL	Acrolein	12198.4 ug/mL
					MSV_V_Ketones_00215	1 mL	2-Butanone	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone	2500 ug/mL
							Acetone	2500 ug/mL
..MSV_CCV_ACR_00025	03/15/25	01/14/25	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00045	9.032 mL	Acrolein	121984 ug/mL
...MSV_VACR_STK_00045	03/15/25	01/14/25	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00038	1.4538 g	Acrolein	135058 ug/mL
....MSV_ACROLEIN_00038	08/31/25	Chem Service, Lot 15807600			(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00215	04/30/27	Restek, Lot A0210935			(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
.MSV_V_Acr_Std_00009	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_MStk_2E6A_00005	0.887 mL	2-Ethylhexyl acrylate	4997.36 ug/mL
					MSV_MStk_BAcr_00006	1.004 mL	n-Butyl acrylate	4997.91 ug/mL
					MSV_MStk_EtAc_00005	1.007 mL	Ethyl acrylate	5001.77 ug/mL
					MSV_MStk_MAcr_00005	0.904 mL	Methyl acrylate	5000.93 ug/mL
..MSV_MStk_2E6A_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_2Eth6Acry_00001	0.5634 g	2-Ethylhexyl acrylate	56340 ug/mL
...MSV_2Eth6Acry_00001	02/28/28	Sigma Aldrich, Lot MKCN1302			(Purchased Reagent)		2-Ethylhexyl acrylate	1 g/g
..MSV_MStk_BAcr_00006	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_nButylAcr_00006	0.4978 g	n-Butyl acrylate	49780 ug/mL
...MSV_nButylAcr_00006	01/31/26	Chem Service, Lot 14061100			(Purchased Reagent)		n-Butyl acrylate	1 g/g
..MSV_MStk_EtAc_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_EthylAcry_00004	0.4967 g	Ethyl acrylate	49670 ug/mL
...MSV_EthylAcry_00004	03/31/26	Chem Service, Lot 15464400			(Purchased Reagent)		Ethyl acrylate	1 g/g
..MSV_MStk_MAcr_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_MethylAcr_00004	0.5532 g	Methyl acrylate	55320 ug/mL
...MSV_MethylAcr_00004	01/31/26	Chem Service, Lot 14862200			(Purchased Reagent)		Methyl acrylate	1 g/g
MSV_4ppbEE_00632	05/22/25	05/15/25	DI Water, Lot DI 25118	1000 mL	MSV_CCV_2CEVE_00227	4 uL	2-Chloroethyl vinyl ether	4 ug/L
					MSV_CCV_CYC_00011	32 uL	Cyclohexanone	199.982 ug/L
					MSV_CCV_EE_00009	4 uL	Diethyl ether	4.00133 ug/L
					MSV_CCV_GASES_01027	2 uL	1,2-Dichloro-1,1,2-trifluoroethane	4 ug/L
							Bromomethane	4 ug/L
							Butadiene	4 ug/L
							Chloroethane	4 ug/L
							Chloromethane	4 ug/L
							Dichlorodifluoromethane	4 ug/L
							Dichlorofluoromethane	4 ug/L
							Trichlorofluoromethane	4 ug/L
							Vinyl chloride	4 ug/L
					MSV_CCV_OH_Sp_00021	4 uL	2-Ethylhexyl acrylate	3.99789 ug/L
							n-Butyl acrylate	3.99833 ug/L
							Ethyl acrylate	4.00142 ug/L
							Methyl acrylate	4.00074 ug/L
					MSV_CCV_VOC#1_00233	4 uL	1,1,1,2-Tetrachloroethane	4 ug/L
							1,1,1-Trichloroethane	4 ug/L
							1,1,2,2-Tetrachloroethane	4 ug/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	4 ug/L
							1,1-Dichloroethane	4 ug/L
							1,1-Dichloroethene	4 ug/L
							1,1-Dichloropropene	4 ug/L
							1,2,3-Trichlorobenzene	4 ug/L
							1,2,3-Trichloropropane	4 ug/L
							1,2,4-Trichlorobenzene	4 ug/L
							1,2,4-Trimethylbenzene	4 ug/L
							1,2-Dibromo-3-Chloropropane	4 ug/L
							1,2-Dibromoethane	4 ug/L
							1,2-Dichlorobenzene	4 ug/L
							1,2-Dichloroethane	4 ug/L
							1,2-Dichloropropane	4 ug/L
							1,3,5-Trimethylbenzene	4 ug/L
							1,3-Dichlorobenzene	4 ug/L
							1,3-Dichloropropane	4 ug/L
							1,4-Dichlorobenzene	4 ug/L
							2,2-Dichloropropane	4 ug/L
							2-Chlorotoluene	4 ug/L
							4-Chlorotoluene	4 ug/L
							4-Isopropyltoluene	4 ug/L
							Benzene	4 ug/L
							Bromobenzene	4 ug/L
							Bromodichloromethane	4 ug/L
							Bromoform	4 ug/L
							Carbon tetrachloride	4 ug/L
							Chlorobenzene	4 ug/L
							Chlorobromomethane	4 ug/L
							Chloroform	4 ug/L
							cis-1,2-Dichloroethene	4 ug/L
							cis-1,3-Dichloropropene	4 ug/L
							Dibromochloromethane	4 ug/L
							Dibromomethane	4 ug/L
							Ethylbenzene	4 ug/L
							Hexachlorobutadiene	4 ug/L
							Isopropylbenzene	4 ug/L
							m&p-Xylene	8 ug/L
							Methylene Chloride	4 ug/L
							n-Butylbenzene	4 ug/L
							N-Propylbenzene	4 ug/L
							Naphthalene	4 ug/L
							o-Xylene	4 ug/L
							sec-Butylbenzene	4 ug/L
							Styrene	4 ug/L
							tert-Butylbenzene	4 ug/L
							Tetrachloroethene	4 ug/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	4 ug/L
							trans-1,2-Dichloroethene	4 ug/L
							trans-1,3-Dichloropropene	4 ug/L
							Trichloroethene	4 ug/L
							1,1,2-Trichloro-1,2,2-trifluoroethane	4 ug/L
							1,2,3-Trimethylbenzene	4 ug/L
							1,3,5-Trichlorobenzene	4 ug/L
							1,3-Diethylbenzene	4 ug/L
							1,4-Dioxane	50 ug/L
							1-Chlorohexane	4 ug/L
							2-ethoxy-2-methyl butane	4 ug/L
							2-Methyl-2-propanol	20 ug/L
							2-Methylnaphthalene	4 ug/L
							2-Nitropropane	20 ug/L
							2-Propanol	20 ug/L
							Acrylonitrile	10 ug/L
							Allyl chloride	4 ug/L
							Benzyl chloride	4 ug/L
							Carbon disulfide	4 ug/L
							Chloroprene	4 ug/L
							Cyclohexane	4 ug/L
							Ethyl methacrylate	4 ug/L
							Hexane	4 ug/L
							Isobutyl alcohol	50 ug/L
							Isopropyl ether	4 ug/L
							Methacrylonitrile	10 ug/L
							Methyl acetate	4 ug/L
							Methyl iodide	4 ug/L
							Methyl methacrylate	4 ug/L
							Methyl tert-butyl ether	4 ug/L
							Methylcyclohexane	4 ug/L
							n-Butanol	50 ug/L
							n-Heptane	4 ug/L
							o-diethylbenzene	4 ug/L
							p-Diethylbenzene	4 ug/L
							Pentane	4 ug/L
							Propionitrile	20 ug/L
							Tert-amyl methyl ether	4 ug/L
							Tert-butyl ethyl ether	4 ug/L
							Tetrahydrofuran	20 ug/L
							trans-1,4-Dichloro-2-butene	10 ug/L
					MSV_CCV_VOC#3_00236	3.2 uL	Acrolein	39.0326 ug/L
							2-Butanone	8 ug/L
							2-Hexanone	8 ug/L
							4-Methyl-2-pentanone	8 ug/L
							Acetone	8 ug/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_CCV_2CEVE_00227	06/11/25	05/12/25	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00235	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00235	05/31/27		Restek, Lot A0211425		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_CYC_00011	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00014	8.884 mL	Cyclohexanone	6249.45 ug/mL
..MSV_VCYC_STK_00014	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00010	1.4069 g	Cyclohexanone	140690 ug/mL
...MSV_CYC_00010	06/30/27		Chem Service, Lot 15471000		(Purchased Reagent)		Cyclohexanone	1 g/g
.MSV_CCV_EE_00009	11/03/25	05/03/25	Methanol, Lot EH471	50 mL	MSV_EE_MISCSK_00016	1.502 mL	Diethyl ether	1000.33 ug/mL
..MSV_EE_MISCSK_00016	11/03/25	05/03/25	Methanol, Lot EH471	10 mL	MSV_EE_Neat_00013	0.333 g	Diethyl ether	33300 ug/mL
...MSV_EE_Neat_00013	06/30/27		Chem Service, Lot 15507600		(Purchased Reagent)		Diethyl ether	1 g/g
.MSV_CCV_GASES_01027	05/22/25		Restek, Lot A0212054		(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MSV_CCV_OH_Sp_00021	05/22/25	04/22/25	Methanol, Lot EH822	1 mL	MSV_V_Acr_Std_00009	200 uL	2-Ethylhexyl acrylate	999.472 ug/mL
							n-Butyl acrylate	999.582 ug/mL
							Ethyl acrylate	1000.35 ug/mL
							Methyl acrylate	1000.19 ug/mL
..MSV_V_Acr_Std_00009	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_MStk_2E6A_00005	0.887 mL	2-Ethylhexyl acrylate	4997.36 ug/mL
					MSV_MStk_BAcr_00006	1.004 mL	n-Butyl acrylate	4997.91 ug/mL
					MSV_MStk_EtAc_00005	1.007 mL	Ethyl acrylate	5001.77 ug/mL
					MSV_MStk_MAcr_00005	0.904 mL	Methyl acrylate	5000.93 ug/mL
...MSV_MStk_2E6A_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_2Eth6Acry_00001	0.5634 g	2-Ethylhexyl acrylate	56340 ug/mL
....MSV_2Eth6Acry_00001	02/28/28		Sigma Aldrich, Lot MKCN1302		(Purchased Reagent)		2-Ethylhexyl acrylate	1 g/g
...MSV_MStk_BAcr_00006	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_nButylAcr_00006	0.4978 g	n-Butyl acrylate	49780 ug/mL
....MSV_nButylAcr_00006	01/31/26		Chem Service, Lot 14061100		(Purchased Reagent)		n-Butyl acrylate	1 g/g
...MSV_MStk_EtAc_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_EthylAcry_00004	0.4967 g	Ethyl acrylate	49670 ug/mL
....MSV_EthylAcry_00004	03/31/26		Chem Service, Lot 15464400		(Purchased Reagent)		Ethyl acrylate	1 g/g
...MSV_MStk_MAcr_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_MethylAcr_00004	0.5532 g	Methyl acrylate	55320 ug/mL
....MSV_MethylAcr_00004	01/31/26		Chem Service, Lot 14862200		(Purchased Reagent)		Methyl acrylate	1 g/g
.MSV_CCV_VOC#1_00233	05/28/25	04/28/25	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00237	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chlorobromomethane	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m&p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00235	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,3-Diethylbenzene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-ethoxy-2-methyl butane	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitropropane	5000 ug/mL
							2-Propanol	5000 ug/mL
							Acrylonitrile	2500 ug/mL
							Allyl chloride	1000 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Chloroprene	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Hexane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl iodide	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL
							n-Heptane	1000 ug/mL
							o-diethylbenzene	1000 ug/mL
							p-Diethylbenzene	1000 ug/mL
							Pentane	1000 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
..MSV_MegaMIX#1_00237	05/28/25		Restek, Lot A0211483		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chlorobromomethane	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m&p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00235	05/28/25		Restek, Lot A0212010		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 ug/mL
							2-Nitropropane	25000 ug/mL
							2-Propanol	25000 ug/mL
							Acrylonitrile	12500 ug/mL
							Allyl chloride	5000 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Chloroprene	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl iodide	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							o-diethylbenzene	5000 ug/mL
							p-Diethylbenzene	5000 ug/mL
							Pentane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_CCV_VOC#3_00236	06/11/25	05/12/25	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00027	0.5 mL	Acrolein	12197.7 ug/mL
					MSV_V_Ketones_00231	1 mL	2-Butanone	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone	2500 ug/mL
							Acetone	2500 ug/mL
..MSV_CCV_ACR_00027	06/28/25	04/29/25	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00047	9.072 mL	Acrolein	121977 ug/mL
...MSV_VACR_STK_00047	06/28/25	04/29/25	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00040	1.4473 g	Acrolein	134454 ug/mL
....MSV_ACROLEIN_00040	08/31/25	Chem Service, Lot 15807600			(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00231	04/30/27	Restek, Lot A0210935			(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_CCV_2CEVE_00216	03/26/25	02/24/25	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00223	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
.MSV_V_2CLEVE_00223	05/31/27	Restek, Lot A0211425			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
MSV_CCV_2CEVE_00228	06/18/25	05/19/25	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00229	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_V_2CLEVE_00229	05/31/27	Restek, Lot A0211425			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
MSV_CCV_CYC_00011	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00014	8.884 mL	Cyclohexanone	6249.45 ug/mL
.MSV_VCYC_STK_00014	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00010	1.4069 g	Cyclohexanone	140690 ug/mL
..MSV_CYC_00010	06/30/27	Chem Service, Lot 15471000			(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_CCV_EE_00008	05/06/25	11/06/24	Methanol, Lot EH471	50 mL	MSV_EE_MISCSK_00015	1.115 mL	Diethyl ether	999.932 ug/mL
.MSV_EE_MISCSK_00015	05/06/25	11/06/24	Methanol, Lot EH471	10 mL	MSV_EE_Neat_00012	0.4484 g	Diethyl ether	44840 ug/mL
..MSV_EE_Neat_00012	06/30/27	Chem Service, Lot 14084700			(Purchased Reagent)		Diethyl ether	1 g/g
MSV_CCV_EE_00009	11/03/25	05/03/25	Methanol, Lot EH471	50 mL	MSV_EE_MISCSK_00016	1.502 mL	Diethyl ether	1000.33 ug/mL
.MSV_EE_MISCSK_00016	11/03/25	05/03/25	Methanol, Lot EH471	10 mL	MSV_EE_Neat_00013	0.333 g	Diethyl ether	33300 ug/mL
..MSV_EE_Neat_00013	06/30/27	Chem Service, Lot 15507600			(Purchased Reagent)		Diethyl ether	1 g/g
MSV_CCV_GASES_00961	03/03/25	Restek, Lot A0212054			(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_GASES_01023	05/28/25	Restek, Lot A0212054			(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_CCV_OH_Sp_00019	03/16/25	02/17/25	Methanol, Lot EH822	1 mL	MSV_V_Acr_Std_00009	200 uL	2-Ethylhexyl acrylate	999.472 ug/mL
							n-Butyl acrylate	999.582 ug/mL
							Ethyl acrylate	1000.35 ug/mL
							Methyl acrylate	1000.19 ug/mL
.MSV_V_Acr_Std_00009	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_MStk_2E6A_00005	0.887 mL	2-Ethylhexyl acrylate	4997.36 ug/mL
					MSV_MStk_BAcr_00006	1.004 mL	n-Butyl acrylate	4997.91 ug/mL
					MSV_MStk_EtAc_00005	1.007 mL	Ethyl acrylate	5001.77 ug/mL
					MSV_MStk_MAcr_00005	0.904 mL	Methyl acrylate	5000.93 ug/mL
..MSV_MStk_2E6A_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_2Eth6Acry_00001	0.5634 g	2-Ethylhexyl acrylate	56340 ug/mL
...MSV_2Eth6Acry_00001	02/28/28	Sigma Aldrich, Lot MKCN1302			(Purchased Reagent)		2-Ethylhexyl acrylate	1 g/g
..MSV_MStk_BAcr_00006	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_nButylAcr_00006	0.4978 g	n-Butyl acrylate	49780 ug/mL
...MSV_nButylAcr_00006	01/31/26	Chem Service, Lot 14061100			(Purchased Reagent)		n-Butyl acrylate	1 g/g
..MSV_MStk_EtAc_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_EthylAcry_00004	0.4967 g	Ethyl acrylate	49670 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
...MSV_EthylAcry_00004	03/31/26	Chem Service, Lot 15464400			(Purchased Reagent)		Ethyl acrylate	1 g/g
..MSV_MStk_MAcr_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_MethylAcr_00004	0.5532 g	Methyl acrylate	55320 ug/mL
...MSV_MethylAcr_00004	01/31/26	Chem Service, Lot 14862200			(Purchased Reagent)		Methyl acrylate	1 g/g
MSV_CCV_OH_Sp_00021	05/22/25	04/22/25	Methanol, Lot EH822	1 mL	MSV_V_Acr_Std_00009	200 uL	2-Ethylhexyl acrylate	999.472 ug/mL
							n-Butyl acrylate	999.582 ug/mL
							Ethyl acrylate	1000.35 ug/mL
							Methyl acrylate	1000.19 ug/mL
.MSV_V_Acr_Std_00009	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_MStk_2E6A_00005	0.887 mL	2-Ethylhexyl acrylate	4997.36 ug/mL
					MSV_MStk_BAcr_00006	1.004 mL	n-Butyl acrylate	4997.91 ug/mL
					MSV_MStk_EtAc_00005	1.007 mL	Ethyl acrylate	5001.77 ug/mL
					MSV_MStk_MAcr_00005	0.904 mL	Methyl acrylate	5000.93 ug/mL
..MSV_MStk_2E6A_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_2Eth6Acry_00001	0.5634 g	2-Ethylhexyl acrylate	56340 ug/mL
...MSV_2Eth6Acry_00001	02/28/28	Sigma Aldrich, Lot MKCN1302			(Purchased Reagent)		2-Ethylhexyl acrylate	1 g/g
..MSV_MStk_BAcr_00006	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_nButylAcr_00006	0.4978 g	n-Butyl acrylate	49780 ug/mL
...MSV_nButylAcr_00006	01/31/26	Chem Service, Lot 14061100			(Purchased Reagent)		n-Butyl acrylate	1 g/g
..MSV_MStk_EtAc_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_EthylAcry_00004	0.4967 g	Ethyl acrylate	49670 ug/mL
...MSV_EthylAcry_00004	03/31/26	Chem Service, Lot 15464400			(Purchased Reagent)		Ethyl acrylate	1 g/g
..MSV_MStk_MAcr_00005	07/07/25	01/07/25	Methanol, Lot EH471	10 mL	MSV_MethylAcr_00004	0.5532 g	Methyl acrylate	55320 ug/mL
...MSV_MethylAcr_00004	01/31/26	Chem Service, Lot 14862200			(Purchased Reagent)		Methyl acrylate	1 g/g
MSV_CCV_V5ACE_00049	06/29/25	05/30/25	Methanol, Lot EJ274	10 mL	MSV_AcetatesV_00089	1 mL	Acetonitrile	5000 ug/mL
							Ethyl acetate	1000 ug/mL
							Vinyl acetate	1000 ug/mL
.MSV_AcetatesV_00089	11/30/25	Restek, Lot A0211993			(Purchased Reagent)		Acetonitrile	50000 ug/mL
							Ethyl acetate	10000 ug/mL
							Vinyl acetate	10000 ug/mL
MSV_CCV_V5ACE_00051	08/12/25	07/13/25	Methanol, Lot EJ274	10 mL	MSV_AcetatesV_00087	1 mL	Acetonitrile	5000 ug/mL
							Vinyl acetate	1000 ug/mL
.MSV_AcetatesV_00087	11/30/25	Restek, Lot A0211993			(Purchased Reagent)		Acetonitrile	50000 ug/mL
							Vinyl acetate	10000 ug/mL
MSV_CCV_VOC#1_00224	03/26/25	02/24/25	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00222	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chlorobromomethane	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m&p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00223	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,3-Diethylbenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-ethoxy-2-methyl butane	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Methylnaphthalene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitropropane	5000 ug/mL
							2-Propanol	5000 ug/mL
							Acrylonitrile	2500 ug/mL
							Allyl chloride	1000 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Chloroprene	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Hexane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl iodide	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL
							n-Heptane	1000 ug/mL
							o-diethylbenzene	1000 ug/mL
							p-Diethylbenzene	1000 ug/mL
							Pentane	1000 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
.MSV_MegaMIX#1_00222	03/26/25		Restek, Lot A0211483		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chlorobromomethane	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m&p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
.MSV_MegaMix#2_00223	03/26/25		Restek, Lot A0212010		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 ug/mL
							2-Nitropropane	25000 ug/mL
							2-Propanol	25000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acrylonitrile	12500 ug/mL
							Allyl chloride	5000 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Chloroprene	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl iodide	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							o-diethylbenzene	5000 ug/mL
							p-Diethylbenzene	5000 ug/mL
							Pentane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
MSV_CCV_VOC#1_00236	06/18/25	05/19/25	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00230	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chlorobromomethane	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m&p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00230	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,3-Diethylbenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-ethoxy-2-methyl butane	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitropropane	5000 ug/mL
							2-Propanol	5000 ug/mL
							Acrylonitrile	2500 ug/mL
							Allyl chloride	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Chloroprene	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Hexane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl iodide	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL
							n-Heptane	1000 ug/mL
							o-diethylbenzene	1000 ug/mL
							p-Diethylbenzene	1000 ug/mL
							Pentane	1000 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
.MSV_MegaMIX#1_00230	06/18/25		Restek, Lot A0211483		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chlorobromomethane	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m&p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
.MSV_MegaMix#2_00230	06/18/25		Restek, Lot A0212010		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,3-Diethylbenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-ethoxy-2-methyl butane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Methylnaphthalene	5000 ug/mL
							2-Nitropropane	25000 ug/mL
							2-Propanol	25000 ug/mL
							Acrylonitrile	12500 ug/mL
							Allyl chloride	5000 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroprene	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl iodide	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							o-diethylbenzene	5000 ug/mL
							p-Diethylbenzene	5000 ug/mL
							Pentane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
MSV_CCV_VOC#1_00247	09/03/25	08/04/25	Methanol, Lot EH471	5 mL	MSV_MegaMix#2_00245	1 mL	2-Propanol	5000 ug/mL
.MSV_MegaMix#2_00245	09/03/25		Restek, Lot A0226118		(Purchased Reagent)		2-Propanol	25000 ug/mL
MSV_CCV_VOC#3_00225	03/15/25	02/24/25	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00025	0.5 mL	Acrolein	12198.4 ug/mL
					MSV_V_Ketones_00215	1 mL	2-Butanone	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone	2500 ug/mL
							Acetone	2500 ug/mL
.MSV_CCV_ACR_00025	03/15/25	01/14/25	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00045	9.032 mL	Acrolein	121984 ug/mL
..MSV_VACR_STK_00045	03/15/25	01/14/25	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00038	1.4538 g	Acrolein	135058 ug/mL
...MSV_ACROLEIN_00038	08/31/25		Chem Service, Lot 15807600		(Purchased Reagent)		Acrolein	0.929 g/g
.MSV_V_Ketones_00215	04/30/27		Restek, Lot A0210935		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_CCV_VOC#3_00237	06/18/25	05/19/25	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00027	0.5 mL	Acrolein	12197.7 ug/mL
					MSV_V_Ketones_00234	1 mL	2-Butanone	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone	2500 ug/mL
							Acetone	2500 ug/mL
.MSV_CCV_ACR_00027	06/28/25	04/29/25	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00047	9.072 mL	Acrolein	121977 ug/mL
..MSV_VACR_STK_00047	06/28/25	04/29/25	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00040	1.4473 g	Acrolein	134454 ug/mL
...MSV_ACROLEIN_00040	08/31/25		Chem Service, Lot 15807600		(Purchased Reagent)		Acrolein	0.929 g/g
.MSV_V_Ketones_00234	04/30/27		Restek, Lot A0210935		(Purchased Reagent)		2-Butanone	12500 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_CCV_VOC#3_00249	08/18/25	08/04/25	Methanol, Lot EH471	5 mL	MSV_V_Ketones_00240	1 mL	Acetone	2500 ug/mL
.MSV_V_Ketones_00240	04/30/27		Restek, Lot A0210935		(Purchased Reagent)		Acetone	12500 ug/mL
MSV_Cent_ISO_00010	07/30/25	02/12/25	Methanol, Lot EH822-US	50 mL	MSV_Cus826_IS_00702	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL
.MSV_Cus826_IS_00702	07/30/26		Restek, Lot A0203141		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_Cent_ISO_00010	07/30/25	02/12/25	Methanol, Lot EH822-US	50 mL	MSV_8260_SS_01374	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.MSV_8260_SS_01374	07/30/25		Restek, Lot A0213335		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MSV_Cent_ISSS_00034	05/01/25	12/06/24	Methanol, Lot EH822-US	50 mL	MSV_8260_SS_01343	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
					MSV_Cus826_IS_00700	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL
.MSV_8260_SS_01343	06/06/26		Restek, Lot A0209669		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.MSV_Cus826_IS_00700	06/06/25		Restek, Lot A0203141		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_Cent_ISSS_00041	11/19/25	05/19/25	Methanol, Lot EJ274	50 mL	MSV_8260_SS_01417	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
					MSV_Cus826_IS_00729	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_8260_SS_01417	10/31/29		Restek, Lot A0217887		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.MSV_Cus826_IS_00729	10/31/26		Restek, Lot A0203141		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_Cent_ISSS_00043	12/29/25	06/29/25	Methanol, Lot EJ274	50 mL	MSV_Cus826_IS_00750	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5 (IS)	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
							t-Butyl alcohol-d10 (IS)	250 ug/mL
.MSV_Cus826_IS_00750	10/31/26		Restek, Lot A0203141		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_Cent_ISSS_00043	12/29/25	06/29/25	Methanol, Lot EJ274	50 mL	MSV_8260_SS_01487	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.MSV_8260_SS_01487	10/31/29		Restek, Lot A0217887		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MSV_DME_00064	07/04/25		Restek, Lot A0220508		(Purchased Reagent)		Dimethyl ether	1000 ug/mL
MSV_DME_00072	08/07/25		Restek, Lot A0220508		(Purchased Reagent)		Dimethyl ether	1000 ug/mL
MSV_HP25_ISO_00013	12/04/25	06/04/25	Methanol, Lot EJ274	10 mL	MSV_Cus826_IS_00741	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_Cus826_IS_00741	10/31/26		Restek, Lot A0203141		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_HP25_ISSS_00114	12/04/25	06/04/25	Methanol, Lot EJ274	10 mL	MSV_8260_SS_01451	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
					MSV_Cus826_IS_00741	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_8260_SS_01451	10/31/29		Restek, Lot A0217887		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene-d8 (Surr)	2500 ug/mL
.MSV_Cus826_IS_00741	10/31/26		Restek, Lot A0203141		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_HP25_ISSS_00117	01/23/26	07/23/25	Methanol, Lot EJ274	10 mL	MSV_Cus826_IS_00815	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_Cus826_IS_00815	05/31/27		Restek, Lot A0211699		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_HP25_ISSS_00117	01/23/26	07/23/25	Methanol, Lot EJ274	10 mL	MSV_8260_SS_01473	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.MSV_8260_SS_01473	10/31/29		Restek, Lot A0217887		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MSV_LCS_EE_00011	11/03/25	05/03/25	Methanol, Lot EH471	50 mL	MSV_QEE_MiscS_00015	0.061 mL	Diethyl ether	39.711 ug/mL
.MSV_QEE_MiscS_00015	11/03/25	05/03/25	Methanol, Lot EH471	10 mL	MSV_EE_Neat_00013	0.3255 g	Diethyl ether	32550 ug/mL
..MSV_EE_Neat_00013	06/30/27		Chem Service, Lot 15507600		(Purchased Reagent)		Diethyl ether	1 g/g
MSV_LCS_Penta_00056	06/17/25	05/18/25	Methanol, Lot EH822	25 mL	MSV_Q_PentaCL_00051	1 mL	Pentachloroethane	40 ug/mL
.MSV_Q_PentaCL_00051	04/30/26		Restek, Lot A0197449		(Purchased Reagent)		Pentachloroethane	1000 ug/mL
MSV_LCS_Penta_00058	08/17/25	07/18/25	Methanol, Lot EH822	25 mL	MSV_Q_PentaCL_00054	1 mL	Pentachloroethane	40 ug/mL
.MSV_Q_PentaCL_00054	04/30/26		Restek, Lot A0197449		(Purchased Reagent)		Pentachloroethane	1000 ug/mL
MSV_LCS_V5ACE_00053	06/17/25	05/18/25	Methanol, Lot EJ274-US	50 mL	MSV_AcetatesQ_00079	1 mL	Acetonitrile	300 ug/mL
							Vinyl acetate	200 ug/mL
.MSV_AcetatesQ_00079	11/30/25		Restek, Lot A0211385		(Purchased Reagent)		Acetonitrile	15000 ug/mL
							Vinyl acetate	10000 ug/mL
MSV_LCS_V5ACE_00055	08/12/25	07/13/25	Methanol, Lot EJ274-US	50 mL	MSV_AcetatesQ_00080	1 mL	Acetonitrile	300 ug/mL
							Vinyl acetate	200 ug/mL
.MSV_AcetatesQ_00080	11/30/25		Restek, Lot A0211385		(Purchased Reagent)		Acetonitrile	15000 ug/mL
							Vinyl acetate	10000 ug/mL
MSV_LCS_VOC#1_00220	06/18/25	05/19/25	Methanol, Lot EH471	25 mL	MSV_M_MIX2SEC_00268	1 mL	2-Propanol	300 ug/mL
.MSV_M_MIX2SEC_00268	05/31/27		Restek, Lot A0212017		(Purchased Reagent)		2-Propanol	7500 ug/mL
MSV_LCS_VOC#1_00222	07/02/25	06/02/25	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00271	1 mL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dibromoethane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							Benzene	40 ug/mL
							Bromodichloromethane	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chloroform	40 ug/mL
							Dibromochloromethane	40 ug/mL
							Dibromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							m&p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							Styrene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00276	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							1,4-Dioxane	1000 ug/mL
							Acrylonitrile	200 ug/mL
							Allyl chloride	40 ug/mL
							Carbon disulfide	40 ug/mL
							Chloroprene	40 ug/mL
							Ethyl methacrylate	40 ug/mL
							Isobutyl alcohol	1000 ug/mL
							Methacrylonitrile	300 ug/mL
							Methyl iodide	40 ug/mL
							Methyl methacrylate	40 ug/mL
							Propionitrile	300 ug/mL
							Tetrahydrofuran	200 ug/mL
					MSV_Q_Ketones_00277	1 mL	2-Butanone	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone	500 ug/mL
							Acetone	500 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_M_MIX1SEC_00271	12/31/27		Restek, Lot A0225025		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chloroform	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							m&p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00276	05/31/28		Restek, Lot A0225702		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,4-Dioxane	25000 ug/mL
							Acrylonitrile	5000 ug/mL
							Allyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Chloroprene	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Isobutyl alcohol	25000 ug/mL
							Methacrylonitrile	7500 ug/mL
							Methyl iodide	1000 ug/mL
							Methyl methacrylate	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Propionitrile	7500 ug/mL
							Tetrahydrofuran	5000 ug/mL
.MSV_Q_Ketones_00277	04/30/27		Restek, Lot A0209876		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LCS_VOC#1_00232	09/03/25	08/04/25	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00280	1 mL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dibromoethane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							Benzene	40 ug/mL
							Bromodichloromethane	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chloroform	40 ug/mL
							Dibromochloromethane	40 ug/mL
							Dibromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							m&p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							Styrene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00289	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							1,4-Dioxane	1000 ug/mL
							2-Propanol	300 ug/mL
							Acrylonitrile	200 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Allyl chloride	40 ug/mL
							Carbon disulfide	40 ug/mL
							Chloroprene	40 ug/mL
							Ethyl methacrylate	40 ug/mL
							Isobutyl alcohol	1000 ug/mL
							Methacrylonitrile	300 ug/mL
							Methyl iodide	40 ug/mL
							Methyl methacrylate	40 ug/mL
							Propionitrile	300 ug/mL
							Tetrahydrofuran	200 ug/mL
					MSV_Q_Ketones_00290	1 mL	2-Butanone	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone	500 ug/mL
							Acetone	500 ug/mL
.MSV_M_MIX1SEC_00280	12/31/27		Restek, Lot A0225025		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chloroform	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							m&p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00289	05/31/28		Restek, Lot A0225702		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,4-Dioxane	25000 ug/mL
							2-Propanol	7500 ug/mL
							Acrylonitrile	5000 ug/mL
							Allyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Chloroprene	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Isobutyl alcohol	25000 ug/mL
							Methacrylonitrile	7500 ug/mL
							Methyl iodide	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Propionitrile	7500 ug/mL
							Tetrahydrofuran	5000 ug/mL
.MSV_Q_Ketones_00290	04/30/27		Restek, Lot A0209876		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
MSV_LL_#1_826_00168	06/28/25	06/04/25	Methanol, Lot EJ274	1 mL	MSV_CCV_VOC#1_00238	50 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m&p-Xylene	100 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							2-Nitropropane	250 ug/mL
							Acrylonitrile	125 ug/mL
							Allyl chloride	50 ug/mL
							Benzyl chloride	50 ug/mL
							Carbon disulfide	50 ug/mL
							Chloroprene	50 ug/mL
							Cyclohexane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Hexane	50 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Isopropyl ether	50 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methacrylonitrile	500 ug/mL
							Methyl acetate	50 ug/mL
							Methyl iodide	50 ug/mL
							Methyl methacrylate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							n-Butanol	4375 ug/mL
							n-Heptane	50 ug/mL
							Propionitrile	1000 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
							Tetrahydrofuran	250 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
					MSV_CCV_VOC#3_00239	200 uL	Acrolein	2439.54 ug/mL
							2-Butanone	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone	500 ug/mL
							Acetone	500 ug/mL
					MSV_V_VOA2_00292	150 uL	1,4-Dioxane	2500 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	4375 ug/mL
							Propionitrile	1000 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
.MSV_CCV_VOC#1_00238	07/02/25	06/02/25	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00234	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chlorobromomethane	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m&p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00232	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							2-Nitropropane	5000 ug/mL
							Acrylonitrile	2500 ug/mL
							Allyl chloride	1000 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Chloroprene	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl iodide	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL
							n-Heptane	1000 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
..MSV_MegaMIX#1_00234	07/02/25		Restek, Lot A0211483		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobromomethane	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m&p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00232	07/02/25		Restek, Lot A0212010		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Nitropropane	25000 ug/mL
							Acrylonitrile	12500 ug/mL
							Allyl chloride	5000 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Chloroprene	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl iodide	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_CCV_VOC#3_00239	06/28/25	06/02/25	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00027	0.5 mL	Acrolein	12197.7 ug/mL
					MSV_V_Ketones_00230	1 mL	2-Butanone	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone	2500 ug/mL
							Acetone	2500 ug/mL
..MSV_CCV_ACR_00027	06/28/25	04/29/25	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00047	9.072 mL	Acrolein	121977 ug/mL
...MSV_VACR_STK_00047	06/28/25	04/29/25	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00040	1.4473 g	Acrolein	134454 ug/mL
....MSV_ACROLEIN_00040	08/31/25	Chem Service, Lot 15807600			(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00230	04/30/27	Restek, Lot A0210935			(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
.MSV_V_VOA2_00292	07/02/25	06/02/25	Methanol, Lot EH471	5 mL	MSV_V#2B_00428	1 mL	1,4-Dioxane	12500 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Methacrylonitrile	2500 ug/mL
							n-Butanol	25000 ug/mL
							Propionitrile	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
..MSV_V#2B_00428	05/31/26	Restek, Lot A0211456			(Purchased Reagent)		1,4-Dioxane	62500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Methacrylonitrile	12500 ug/mL
							n-Butanol	125000 ug/mL
							Propionitrile	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
MSV_LL_#1_826_00173	08/18/25	08/04/25	Methanol, Lot EJ274	1 mL	MSV_CCV_VOC#1_00247	50 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							Benzene	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chloroform	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							m&p-Xylene	100 ug/mL
							Methylene Chloride	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							Acrylonitrile	125 ug/mL
							Allyl chloride	50 ug/mL
							Carbon disulfide	50 ug/mL
							Chloroprene	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl iodide	50 ug/mL
							Methyl methacrylate	50 ug/mL
							Propionitrile	1000 ug/mL
							Tetrahydrofuran	250 ug/mL
					MSV_CCV_VOC#3_00249	200 uL	2-Butanone	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone	500 ug/mL
							Acetone	500 ug/mL
					MSV_V_VOA2_00301	150 uL	1,4-Dioxane	2500 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Methacrylonitrile	500 ug/mL
							Propionitrile	1000 ug/mL
.MSV_CCV_VOC#1_00247	09/03/25	08/04/25	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00242	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dibromoethane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL
							1,2-Dichloropropane	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromodichloromethane	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chloroform	1000 ug/mL
							Dibromochloromethane	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							m&p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							Styrene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00245	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							Acrylonitrile	2500 ug/mL
							Allyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Chloroprene	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl iodide	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Propionitrile	5000 ug/mL
							Tetrahydrofuran	5000 ug/mL
..MSV_MegaMIX#1_00242	09/03/25		Restek, Lot A0224890		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dibromoethane	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							Benzene	5000 ug/mL
							Bromodichloromethane	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chloroform	5000 ug/mL
							Dibromochloromethane	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							m&p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							Styrene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00245	09/03/25		Restek, Lot A0226118		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							Acrylonitrile	12500 ug/mL
							Allyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Chloroprene	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl iodide	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Propionitrile	25000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrahydrofuran	25000 ug/mL
.MSV_CCV_VOC#3_00249	08/18/25	08/04/25	Methanol, Lot EH471	5 mL	MSV_V_Ketones_00240	1 mL	2-Butanone	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone	2500 ug/mL
							Acetone	2500 ug/mL
..MSV_V_Ketones_00240	04/30/27		Restek, Lot A0210935		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
.MSV_V_VOA2_00301	09/03/25	08/04/25	Methanol, Lot EH471	5 mL	MSV_V#2B_00439	1 mL	1,4-Dioxane	12500 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Methacrylonitrile	2500 ug/mL
							Propionitrile	5000 ug/mL
..MSV_V#2B_00439	05/31/26		Restek, Lot A0211456		(Purchased Reagent)		1,4-Dioxane	62500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Methacrylonitrile	12500 ug/mL
							Propionitrile	25000 ug/mL
MSV_LL_#2_826_00181	06/26/25	06/01/25	Methanol, Lot EJ274	1 mL	CCV_ETBR_00009	50 uL	Ethyl bromide	49.9488 ug/mL
					MSV_BCE_00082	25 uL	1-Bromo-2-chloroethane	50 ug/mL
					MSV_CCV_EE_00009	50 uL	Diethyl ether	50.0166 ug/mL
					MSV_V_PentaCL_00052	10 uL	Pentachloroethane	50 ug/mL
.CCV_ETBR_00009	11/06/25	05/06/25	Methanol, Lot EH471	10 mL	MSV_VETBR_STK_00018	0.344 mL	Ethyl bromide	998.976 ug/mL
..MSV_VETBR_STK_00018	11/06/25	05/06/25	Methanol, Lot EH471	10 mL	MSV_EtBr_00012	0.2904 g	Ethyl bromide	29040 ug/mL
...MSV_EtBr_00012	10/31/27		Chem Service, Lot 15732400		(Purchased Reagent)		Ethyl bromide	1 g/g
.MSV_BCE_00082	07/01/25		Restek, Lot A0201612		(Purchased Reagent)		1-Bromo-2-chloroethane	2000 ug/mL
.MSV_CCV_EE_00009	11/03/25	05/03/25	Methanol, Lot EH471	50 mL	MSV_EE_MISCSK_00016	1.502 mL	Diethyl ether	1000.33 ug/mL
..MSV_EE_MISCSK_00016	11/03/25	05/03/25	Methanol, Lot EH471	10 mL	MSV_EE_Neat_00013	0.333 g	Diethyl ether	33300 ug/mL
...MSV_EE_Neat_00013	06/30/27		Chem Service, Lot 15507600		(Purchased Reagent)		Diethyl ether	1 g/g
.MSV_V_PentaCL_00052	06/26/25		Restek, Lot A0197490		(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_LL_#2_826_00188	08/22/25	08/04/25	Methanol, Lot EJ274	1 mL	MSV_CCV_EE_00009	50 uL	Diethyl ether	50.0166 ug/mL
					MSV_V_PentaCL_00054	10 uL	Pentachloroethane	50 ug/mL
.MSV_CCV_EE_00009	11/03/25	05/03/25	Methanol, Lot EH471	50 mL	MSV_EE_MISCSK_00016	1.502 mL	Diethyl ether	1000.33 ug/mL
..MSV_EE_MISCSK_00016	11/03/25	05/03/25	Methanol, Lot EH471	10 mL	MSV_EE_Neat_00013	0.333 g	Diethyl ether	33300 ug/mL
...MSV_EE_Neat_00013	06/30/27		Chem Service, Lot 15507600		(Purchased Reagent)		Diethyl ether	1 g/g
.MSV_V_PentaCL_00054	08/22/25		Restek, Lot A0197490		(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_LL_GAS826_00274	06/11/25	06/04/25	Methanol, Lot EJ274	1 mL	MSV_CCV_GASES_01016	25 uL	1,2-Dichloro-1,1,2-trifluoroethane	50 ug/mL
							Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_CCV_GASES_01016	06/11/25		Restek, Lot A0212054		(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LL_GAS826_00283	08/11/25	08/04/25	Methanol, Lot EJ274	1 mL	MSV_CCV_GASES_01107	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.MSV_CCV_GASES_01107	08/11/25		Restek, Lot A0225685		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_QC_Gas826_00263	06/09/25	06/03/25	Methanol, Lot EJ274	1 mL	MSV_QC_2K_GAS_00303	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00303	06/09/25		Restek, Lot A0211460		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_QC_Gas826_00273	08/11/25	08/04/25	Methanol, Lot EJ274	1 mL	MSV_QC_2K_GAS_00307	20 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00307	08/11/25		Restek, Lot A0211460		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_V_BFB_00018							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							divinyl benzene	
							Tentatively Identified Compound	
							Total BTEX	
							Total Diethylbenzene	
							Xylenes, Total	
					MSV_VBFB_STK_00013	0.09 mL	BFB	50.076 ug/mL
.MSV_VBFB_STK_00013	05/31/25	12/02/24	Methanol, Lot EH471	10 mL	MSV_4BFB_NEAT_00012	1.391 g	BFB	139100 ug/mL
..MSV_4BFB_NEAT_00012	05/31/25		Chem Service, Lot 15267000		(Purchased Reagent)		BFB	1 g/g
MSV_V_BFB_00019							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							divinyl benzene	
							Tentatively Identified Compound	
							Total BTEX	
							Total Diethylbenzene	
							Xylenes, Total	
					MSV_VBFB_STK_00014	0.246 mL	BFB	49.9183 ug/mL
.MSV_VBFB_STK_00014	11/22/25	05/22/25	Methanol, Lot EH471	10 mL	MSV_4BFB_NEAT_00013	0.5073 g	BFB	50730 ug/mL
..MSV_4BFB_NEAT_00013	06/30/29		Chem Service, Lot 16054300		(Purchased Reagent)		BFB	1 g/g
MSV_V_SMRV4_00088	07/02/25	06/04/25	Methanol, Lot EJ274	1 mL	MSV_CCV_2CEVE_00230	200 uL	2-Chloroethyl vinyl ether	200 ug/mL
					MSV_CCV_LKB_00013	400 uL	cis-1,4-Dichloro-2-butene	399.883 ug/mL
					MSV_V_SMFreon_00062	100 uL	Chlorodifluoromethane	200 ug/mL
.MSV_CCV_2CEVE_00230	07/02/25	06/02/25	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00240	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00240	05/31/27		Restek, Lot A0211425		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_LKB_00013	09/06/25	03/06/25	Methanol, Lot EH471	50 mL	MSV_Vc14d_STK_00013	1.274 mL	cis-1,4-Dichloro-2-butene	999.708 ug/mL
..MSV_Vc14d_STK_00013	09/06/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_c14dcb_Nt_00004	0.413 g	cis-1,4-Dichloro-2-butene	39235 ug/mL
...MSV_c14dcb_Nt_00004	08/16/27		Aldrich, Lot SHBH4584V		(Purchased Reagent)		cis-1,4-Dichloro-2-butene	0.95 g/g
.MSV_V_SMFreon_00062	07/03/25		Restek, Lot A0197864		(Purchased Reagent)		Chlorodifluoromethane	2000 ug/mL
MT_HNO3_FI_00018	02/17/30		ThermoFisher Scientific, Lot 245385		(Purchased Reagent)		Nitric acid	69.7 %
MT_HNO3_FI_00021	06/12/30		ThermoFisher Scientific, Lot 251192		(Purchased Reagent)		Nitric acid	69.5 %
MT_LCS-SPK-A_00055	04/01/26		Inorganic Ventures, Lot V2-MEB751664		(Purchased Reagent)		Al	1250 mg/L
							Arsenic	125 mg/L
							B	125 mg/L
							Barium	125 mg/L
							Beryllium	12.5 mg/L
							Ca	1250 mg/L
							Cadmium	12.5 mg/L
							Chromium	125 mg/L
							Cobalt	125 mg/L
							Copper	125 mg/L
							Fe	1250 mg/L
							K	1250 mg/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Lead	12.5 mg/L
							Li	125 mg/L
							Mg	1250 mg/L
							Mn	125 mg/L
							Na	1250 mg/L
							Nickel	125 mg/L
							P	125 mg/L
							Selenium	25 mg/L
							Silver	12.5 mg/L
							Sr	12.5 mg/L
							Sulfur	1250 mg/L
							Th	125 mg/L
							Thallium	25 mg/L
							U	12.5 mg/L
							Vanadium	125 mg/L
							Zinc	125 mg/L
MT_LCS-SPK-B_00055	04/01/26	Inorganic Ventures, Lot V2-MEB751665			(Purchased Reagent)		Antimony	25 mg/L
							Mo	12.5 mg/L
							Si	1250 mg/L
							Sn	25 mg/L
							Ti	125 mg/L
							W	125 mg/L
							Zr	125 mg/L
MT_MJ_CCV_00230	09/05/25	08/05/25	DI Water, Lot DI06242024	5 L	MT_S_MSSPK-A_00006	5 mL	Arsenic	499.9 ppb
							Barium	500 ppb
							Beryllium	49.98 ppb
							Cadmium	49.99 ppb
							Chromium	499.9 ppb
							Cobalt	500.2 ppb
							Copper	500 ppb
							Lead	50 ppb
							Nickel	499.9 ppb
							Selenium	50.01 ppb
							Silver	50 ppb
							Thallium	50.02 ppb
							Vanadium	500 ppb
							Zinc	500.1 ppb
					MT_S_MSSPK-B_00006	5 mL	Antimony	49.97 ppb
.MT_S_MSSPK-A_00006	07/07/26	Inorganic Ventures, Lot U2-MEB728823			(Purchased Reagent)		Arsenic	499.9 ug/mL
							Barium	500 ug/mL
							Beryllium	49.98 ug/mL
							Cadmium	49.99 ug/mL
							Chromium	499.9 ug/mL
							Cobalt	500.2 ug/mL
							Copper	500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Lead	50 ug/mL
							Nickel	499.9 ug/mL
							Selenium	50.01 ug/mL
							Silver	50 ug/mL
							Thallium	50.02 ug/mL
							Vanadium	500 ug/mL
							Zinc	500.1 ug/mL
.MT_S_MSSPK-B_00006	07/07/26	Inorganic Ventures, Lot U2-MEB728824			(Purchased Reagent)		Antimony	49.97 ug/mL
MT_MJ_CRI-V_00220	09/05/25	08/05/25	J, Lot 7996167	1 L	MT_MJ_1V_IV_00033	1.5 mL	Vanadium	2.0025 ug/L
					MT_S_MWLLC_SC_00009	1 mL	Antimony	1.01 ug/L
							Arsenic	2.02 ug/L
							Barium	1.99 ug/L
							Beryllium	0.499 ug/L
							Cadmium	0.496 ug/L
							Chromium	2 ug/L
							Cobalt	0.504 ug/L
							Copper	0.999 ug/L
							Lead	0.503 ug/L
							Nickel	1 ug/L
							Selenium	1 ug/L
							Silver	0.496 ug/L
							Thallium	0.5 ug/L
							Vanadium	2.0025 ug/L
							Zinc	10 ug/L
.MT_MJ_1V_IV_00033	09/09/25	07/09/25	J, Lot 7996167	100 mL	MT_1KV_PIV_00008	0.1 mL	Vanadium	1.001 mg/L
..MT_1KV_PIV_00008	09/14/25	HPS, Lot 2413810-100			(Purchased Reagent)		Vanadium	1001 mg/L
.MT_S_MWLLC_SC_00009	12/09/25	Inorganic Ventures, Lot V2-MEB748176			(Purchased Reagent)		Antimony	1.01 ug/mL
							Arsenic	2.02 ug/mL
							Barium	1.99 ug/mL
							Beryllium	0.499 ug/mL
							Cadmium	0.496 ug/mL
							Chromium	2 ug/mL
							Cobalt	0.504 ug/mL
							Copper	0.999 ug/mL
							Lead	0.503 ug/mL
							Nickel	1 ug/mL
							Selenium	1 ug/mL
							Silver	0.496 ug/mL
							Thallium	0.5 ug/mL
							Vanadium	0.501 ug/mL
							Zinc	10 ug/mL
MT_MJ_ICSA_00143	09/04/25	08/04/25	J, Lot 7345515	500 mL	MT_S_ICS2A_IV_00019	50 mL	Al	100 ug/mL
							Antimony	0.00014 ug/mL
							Arsenic	0.0085 ug/mL
							Barium	0.00039 ug/mL
							Beryllium	0.00002 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ca	300 ug/mL
							Cadmium	0.00048 ug/mL
							Chromium	0.0032 ug/mL
							Cobalt	0.00022 ug/mL
							Copper	0.00086 ug/mL
							Fe	250.1 ug/mL
							K	100 ug/mL
							Lead	0.00012 ug/mL
							Mg	100 ug/mL
							Mn	0.0005 ug/mL
							Mo	2.001 ug/mL
							Na	250.1 ug/mL
							Nickel	0.0012 ug/mL
							Selenium	0.00058 ug/mL
							Silver	0.0002 ug/mL
							Sn	0.00006 ug/mL
							Sr	0.0017 ug/mL
							Thallium	0.00001 ug/mL
							Ti	2.001 ug/mL
							U	0.00012 ug/mL
							Vanadium	0.00046 ug/mL
							Zinc	0.00045 ug/mL
.MT_S_ICS2A_IV_00019	10/28/25	Inorganic Ventures, Lot U2-MEB731104			(Purchased Reagent)		Al	1000 ug/mL
							Antimony	0.0014 ug/mL
							Arsenic	0.085 ug/mL
							Barium	0.0039 ug/mL
							Beryllium	0.0002 ug/mL
							Ca	3000 ug/mL
							Cadmium	0.0048 ug/mL
							Chromium	0.032 ug/mL
							Cobalt	0.0022 ug/mL
							Copper	0.0086 ug/mL
							Fe	2501 ug/mL
							K	1000 ug/mL
							Lead	0.0012 ug/mL
							Mg	1000 ug/mL
							Mn	0.005 ug/mL
							Mo	20.01 ug/mL
							Na	2501 ug/mL
							Nickel	0.012 ug/mL
							Selenium	0.0058 ug/mL
							Silver	0.002 ug/mL
							Sn	0.0006 ug/mL
							Sr	0.017 ug/mL
							Thallium	0.0001 ug/mL
							Ti	20.01 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							U	0.0012 ug/mL
							Vanadium	0.0046 ug/mL
							Zinc	0.0045 ug/mL
MT_MJ_ICSAB_00128	09/12/25	08/12/25	J, Lot 7345515	500 mL	MT_S_ICS2A_IV_00024	50 mL	Al	100 ug/mL
							Ca	300 ug/mL
							Fe	250 ug/mL
							K	100 ug/mL
							Mg	100 ug/mL
							Mo	2 ug/mL
							Na	250 ug/mL
							Sr	0.0028 ug/mL
							Ti	2 ug/mL
					MT_S_ICS2B_IV_00007	5 mL	Arsenic	0.1 ug/mL
							Cadmium	0.1 ug/mL
							Chromium	0.2001 ug/mL
							Cobalt	0.2001 ug/mL
							Copper	0.2001 ug/mL
							Mn	0.2001 ug/mL
							Nickel	0.2001 ug/mL
							Selenium	0.1 ug/mL
							Silver	0.05002 ug/mL
							Vanadium	0.2001 ug/mL
							Zinc	0.1 ug/mL
.MT_S_ICS2A_IV_00024	02/05/29	Inorganic Ventures, Lot U2-MEB741286			(Purchased Reagent)		Al	1000 ug/mL
							Ca	3000 ug/mL
							Fe	2500 ug/mL
							K	1000 ug/mL
							Mg	1000 ug/mL
							Mo	20 ug/mL
							Na	2500 ug/mL
							Sr	0.028 ug/mL
							Ti	20 ug/mL
.MT_S_ICS2B_IV_00007	10/11/25	Inorganic Ventures, Lot S2-MEB711470			(Purchased Reagent)		Arsenic	10 ug/mL
							Cadmium	10 ug/mL
							Chromium	20.01 ug/mL
							Cobalt	20.01 ug/mL
							Copper	20.01 ug/mL
							Mn	20.01 ug/mL
							Nickel	20.01 ug/mL
							Selenium	10 ug/mL
							Silver	5.002 ug/mL
							Vanadium	20.01 ug/mL
							Zinc	10 ug/mL
MT_MJ_ICV_00141	08/18/25	07/18/25	J, Lot 7550459	1 L	MT_S_ICVSPK-A_00007	2 mL	Arsenic	500 ppb
							Barium	500 ppb
							Beryllium	50 ppb

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cadmium	50 ppb
							Chromium	500 ppb
							Cobalt	500 ppb
							Copper	500 ppb
							Lead	50 ppb
							Nickel	500 ppb
							Selenium	50 ppb
							Silver	50 ppb
							Thallium	50 ppb
							Vanadium	500 ppb
							Zinc	500 ppb
					MT_S_ICVSPK-B_00005	2 mL	Antimony	50 ppb
.MT_S_ICVSPK-A_00007	10/25/25	High-Purity Standards, Lot U2-MEB728821			(Purchased Reagent)		Arsenic	250 ug/mL
							Barium	250 ug/mL
							Beryllium	25 ug/mL
							Cadmium	25 ug/mL
							Chromium	250 ug/mL
							Cobalt	250 ug/mL
							Copper	250 ug/mL
							Lead	25 ug/mL
							Nickel	250 ug/mL
							Selenium	25 ug/mL
							Silver	25 ug/mL
							Thallium	25 ug/mL
							Vanadium	250 ug/mL
							Zinc	250 ug/mL
.MT_S_ICVSPK-B_00005	04/03/26	High-Purity Standards, Lot U2-MEB728822			(Purchased Reagent)		Antimony	25 ug/mL
MT_MJ_LRC_00129	08/15/25	07/30/25	J, Lot 7726600	0.5 L	MT_I_CCVSPK-A_00007	10 mL	Arsenic	2000 ppb
							Barium	2000 ppb
							Beryllium	2000 ppb
							Cadmium	2000 ppb
							Chromium	2000 ppb
							Cobalt	2000 ppb
							Copper	2000 ppb
							Lead	2000 ppb
							Nickel	2000 ppb
							Selenium	2000 ppb
							Silver	2000 ppb
							Thallium	2000 ppb
							Vanadium	2000 ppb
							Zinc	2000 ppb
					MT_I_CCVSPK-B_00006	10 mL	Antimony	2000 ppb
.MT_I_CCVSPK-A_00007	08/15/25	Inorganic Ventures, Lot V2-MEB742653			(Purchased Reagent)		Arsenic	100 mg/L
							Barium	100 mg/L
							Beryllium	100 mg/L
							Cadmium	100 mg/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chromium	100 mg/L
							Cobalt	100 mg/L
							Copper	100 mg/L
							Lead	100 mg/L
							Nickel	100 mg/L
							Selenium	100 mg/L
							Silver	100 mg/L
							Thallium	100 mg/L
							Vanadium	100 mg/L
							Zinc	100 mg/L
.MT_I_CCVSPK-B_00006	08/15/25	Inorganic Ventures, Lot V2-MEB742654			(Purchased Reagent)		Antimony	100 mg/L
MT_MJ_S1_00163	09/07/25	08/07/25	J, Lot 7133644	500 mL	MT_S_MSSPK-A_00006	1 mL	Arsenic	999.8 ppb
							Barium	1000 ppb
							Beryllium	99.96 ppb
							Cadmium	99.98 ppb
							Chromium	999.8 ppb
							Cobalt	1000.4 ppb
							Copper	1000 ppb
							Lead	100 ppb
							Nickel	999.8 ppb
							Selenium	100.02 ppb
							Silver	100 ppb
							Thallium	100.04 ppb
							Vanadium	1000 ppb
							Zinc	1000.2 ppb
					MT_S_MSSPK-B_00006	1 mL	Antimony	99.94 ppb
.MT_S_MSSPK-A_00006	07/07/26	Inorganic Ventures, Lot U2-MEB728823			(Purchased Reagent)		Arsenic	499.9 ug/mL
							Barium	500 ug/mL
							Beryllium	49.98 ug/mL
							Cadmium	49.99 ug/mL
							Chromium	499.9 ug/mL
							Cobalt	500.2 ug/mL
							Copper	500 ug/mL
							Lead	50 ug/mL
							Nickel	499.9 ug/mL
							Selenium	50.01 ug/mL
							Silver	50 ug/mL
							Thallium	50.02 ug/mL
							Vanadium	500 ug/mL
							Zinc	500.1 ug/mL
.MT_S_MSSPK-B_00006	07/07/26	Inorganic Ventures, Lot U2-MEB728824			(Purchased Reagent)		Antimony	49.97 ug/mL
MT_SULF_FI_00022	09/30/28	ThermoFisher Scientific, Lot 233289			(Purchased Reagent)		Sulfuric acid	96.3 %
MT_SULF_FI_00026	09/30/26	ThermoFisher Scientific, Lot 245290			(Purchased Reagent)		Sulfuric acid	96.5 %
OP_AMINE_MS_00015	01/30/26	07/29/25	ACETONE, Lot EJ873-US	50 mL	OP_AMINE_STK_00016	0.125 mL	Dicyclohexylamine	49774.9 ppb
							n,n'-Dimethylaniline	25210.5 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Triethyl amine	49949 ppb
.OP_AMINE_STK_00016	01/30/26	07/29/25	MeCl2, Lot 65059	10 mL	OP_DILAMIN_NT_00004	0.2001 g	Dicyclohexylamine	19910000 ppb
					OP_NNDIM_NT_00004	0.1029 g	n,n'-Dimethylaniline	10084200 ppb
					OP_TRIEMIN_NT_00002	0.2008 g	Triethyl amine	19979600 ppb
..OP_DILAMIN_NT_00004	08/31/26		ChemService, Lot 14651300		(Purchased Reagent)		Dicyclohexylamine	99.5 %
..OP_NNDIM_NT_00004	09/30/28		ChemService, Lot 15670900		(Purchased Reagent)		n,n'-Dimethylaniline	98 %
..OP_TRIEMIN_NT_00002	08/31/26		ChemService, Lot 14673200		(Purchased Reagent)		Triethyl amine	99.5 %
OP_APPIX2_MS_00038	01/23/26	07/22/25	ACETONE, Lot EI930-US	40 mL	OP_APPIX5_STK_00005	2 mL	p-Phenylene diamine	1050000 ppb
.OP_APPIX5_STK_00005	06/30/26		RESTEK, Lot A0219848		(Purchased Reagent)		p-Phenylene diamine	21000 ug/mL
OP_MINAPP1_MS_00174	08/22/25	07/21/25	ACETONE, Lot EI930-US	50 mL	OP_APPIX1_MS_00112	12.5 mL	Kepone	12758.1 ppb
							1,3,5-Trinitrobenzene	12500 ppb
							1,4-Dinitrobenzene	12500 ppb
							1-Naphthylamine	12500 ppb
							2-Acetylaminofluorene	12500 ppb
							2-Naphthylamine	12500 ppb
							2-Picoline	12500 ppb
							2-Toluidine	12500 ppb
							3,3'-Dimethylbenzidine	12500 ppb
							4,4'-Methylene bis(2-chloroaniline)	12500 ppb
							4-Aminobiphenyl	12500 ppb
							4-Nitroquinoline-1-oxide	12500 ppb
							5-Nitro-o-toluidine	12500 ppb
							alpha,alpha-Dimethyl phenethylamine	12500 ppb
							Dibenz[a,h]acridine	12500 ppb
							N-Nitrosodi-n-butylamine	12500 ppb
							N-Nitrosodiethylamine	12500 ppb
							N-Nitrosomethylethylamine	12500 ppb
							N-Nitrosomorpholine	12500 ppb
							N-Nitrosopiperidine	12500 ppb
							N-Nitrosopyrrolidine	12500 ppb
							p-Dimethylamino azobenzene	12500 ppb
							p-Phenylene diamine	12500 ppb
							Pentachloronitrobenzene	12500 ppb
							Phenacetin	12500 ppb
							Pronamide	12500 ppb
							Quinoline	12500 ppb
							1,4-Naphthoquinone	25006.3 ppb
							1-Chloronaphthalene	12500 ppb
							2,3,5,6-Tetrachlorophenol	12500 ppb
							7,12-Dimethylbenz(a)anthracene	12500 ppb
							Chlorobenzilate	12500 ppb
							Dinoseb	12500 ppb
							Ethyl methanesulfonate	12500 ppb
							Hexachloropropene	12500 ppb

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isodrin	12500 ppb
							Isosafrole	12500 ppb
							Isosafrole Peak 1	2000 ppb
							Isosafrole Peak 2	10500 ppb
							Methyl methanesulfonate	12500 ppb
							Pentachlorobenzene	12500 ppb
							Pentachloroethane	12500 ppb
							3-Methylcholanthrene	12500 ppb
							6-Methylchrysene	12500 ppb
							Aramite, Total	12500 ppb
							cis-Diallate	9250 ppb
							Diallate	12500 ppb
							Dimethoate	12500 ppb
							Disulfoton	12500 ppb
							Ethyl Parathion	12500 ppb
							Famphur	12500 ppb
							Methyl parathion	12500 ppb
							o,o',o''-Triethylphosphorothioate	12500 ppb
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	12500 ppb
							Phorate	12500 ppb
							Safrole, Total	12500 ppb
							Sulfotepp	12500 ppb
							trans-Diallate	3250 ppb
							Methapyrilene	25000 ppb
							Dibenz[a,j]acridine	12500 ppb
					OP_NPQUIN_STK_00006	0.625 mL	1,4-Naphthoquinone	25006.3 ppb
.OP_APPIX1_MS_00112	08/22/25	07/21/25	Acetone, Lot EI930-US	80 mL	OP_APXKEP_STK_00007	0.44 mL	Kepone	51032.4 ppb
					OP_RES_APPX1_00018	4 mL	1,3,5-Trinitrobenzene	50000 ppb
							1,4-Dinitrobenzene	50000 ppb
							1-Naphthylamine	50000 ppb
							2-Acetylaminofluorene	50000 ppb
							2-Naphthylamine	50000 ppb
							2-Picoline	50000 ppb
							2-Toluidine	50000 ppb
							3,3'-Dimethylbenzidine	50000 ppb
							4,4'-Methylene bis(2-chloroaniline)	50000 ppb
							4-Aminobiphenyl	50000 ppb
							4-Nitroquinoline-1-oxide	50000 ppb
							5-Nitro-o-toluidine	50000 ppb
							alpha,alpha-Dimethyl phenethylamine	50000 ppb
							Dibenz[a,h]acridine	50000 ppb
							N-Nitrosodi-n-butylamine	50000 ppb
							N-Nitrosodiethylamine	50000 ppb

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosomethylethylamine	50000 ppb
							N-Nitrosomorpholine	50000 ppb
							N-Nitrosopiperidine	50000 ppb
							N-Nitrosopyrrolidine	50000 ppb
							p-Dimethylamino azobenzene	50000 ppb
							p-Phenylene diamine	50000 ppb
							Pentachloronitrobenzene	50000 ppb
							Phenacetin	50000 ppb
							Pronamide	50000 ppb
							Quinoline	50000 ppb
					OP_RES_APPX2_00019	4 mL	1,4-Naphthoquinone	50000 ppb
							1-Chloronaphthalene	50000 ppb
							2,3,5,6-Tetrachlorophenol	50000 ppb
							7,12-Dimethylbenz(a)anthracene	50000 ppb
							Chlorobenzilate	50000 ppb
							Dinoseb	50000 ppb
							Ethyl methanesulfonate	50000 ppb
							Hexachloropropene	50000 ppb
							Isodrin	50000 ppb
							Isosafrole	50000 ppb
							Isosafrole Peak 1	8000 ppb
							Isosafrole Peak 2	42000 ppb
							Methyl methanesulfonate	50000 ppb
							Pentachlorobenzene	50000 ppb
							Pentachloroethane	50000 ppb
					OP_RES_APPX3_00013	2 mL	3-Methylcholanthrene	50000 ppb
							6-Methylchrysene	50000 ppb
					OP_RES_APPX4_00015	4 mL	Aramite, Total	50000 ppb
							cis-Diallate	37000 ppb
							Diallate	50000 ppb
							Dimethoate	50000 ppb
							Disulfoton	50000 ppb
							Ethyl Parathion	50000 ppb
							Famphur	50000 ppb
							Methyl parathion	50000 ppb
							o,o',o''-Triethylphosphorothioate	50000 ppb
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	50000 ppb
							Phorate	50000 ppb
							Safrole, Total	50000 ppb
							Sulfotepp	50000 ppb
							trans-Diallate	13000 ppb
					OP_RES_APPX5_00015	4 mL	Methapyrilene	100000 ppb
					OP_RES_APPX6_00011	2 mL	Dibenz[a,j]acridine	50000 ppb
..OP_APXKEP_STK_00007	04/16/26	04/16/25	Methanol, Lot 63145	10 mL	OP_KEPONE_NT_00003	0.1023 g	Kepone	9278610 ppb
...OP_KEPONE_NT_00003	11/30/27	CHEM SERVICE, Lot 14311400			(Purchased Reagent)		Kepone	90.7 %

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							5-Nitro-o-toluidine	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00019	03/31/26		Restek, Lot A0223205		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,3,5,6-Tetrachlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		Aramite, Total	1000 ug/mL
							cis-Diallate	740 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diallate	1000 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							trans-Diallate	260 ug/mL
..OP_RES_APPX5_00015	04/30/27		Restek, Lot A0224416		(Purchased Reagent)		Methapyrilene	2000 ug/mL
..OP_RES_APPX6_00011	03/31/28		Restek, Lot A0223159		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
.OP_NPQUIN_STK_00006	02/14/28		ABSOLUTE, Lot 021423		(Purchased Reagent)		1,4-Naphthoquinone	1000.5 ug/mL
OP_MINAPP1_MS_00175	08/22/25	08/04/25	ACETONE, Lot EJ873-US	50 mL	OP_APPIX1_MS_00112	12.5 mL	Kepone	12758.1 ppb
							1,3,5-Trinitrobenzene	12500 ppb
							1,4-Dinitrobenzene	12500 ppb
							1-Naphthylamine	12500 ppb
							2-Acetylaminofluorene	12500 ppb
							2-Naphthylamine	12500 ppb
							2-Picoline	12500 ppb
							2-Toluidine	12500 ppb
							3,3'-Dimethylbenzidine	12500 ppb
							4,4'-Methylene bis(2-chloroaniline)	12500 ppb
							4-Aminobiphenyl	12500 ppb
							4-Nitroquinoline-1-oxide	12500 ppb
							5-Nitro-o-toluidine	12500 ppb
							alpha,alpha-Dimethyl phenethylamine	12500 ppb
							Dibenz[a,h]acridine	12500 ppb
							N-Nitrosodi-n-butylamine	12500 ppb
							N-Nitrosodiethylamine	12500 ppb
							N-Nitrosomethylethylamine	12500 ppb
							N-Nitrosomorpholine	12500 ppb
							N-Nitrosopiperidine	12500 ppb
							N-Nitrosopyrrolidine	12500 ppb
							p-Dimethylamino azobenzene	12500 ppb
							p-Phenylene diamine	12500 ppb
							Pentachloronitrobenzene	12500 ppb
							Phenacetin	12500 ppb
							Pronamide	12500 ppb
							Quinoline	12500 ppb
							1,4-Naphthoquinone	25006.3 ppb

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Chloronaphthalene	12500 ppb
							2,3,5,6-Tetrachlorophenol	12500 ppb
							7,12-Dimethylbenz(a)anthracene	12500 ppb
							Chlorobenzilate	12500 ppb
							Dinoseb	12500 ppb
							Ethyl methanesulfonate	12500 ppb
							Hexachloropropene	12500 ppb
							Isodrin	12500 ppb
							Isosafrole	12500 ppb
							Isosafrole Peak 1	2000 ppb
							Isosafrole Peak 2	10500 ppb
							Methyl methanesulfonate	12500 ppb
							Pentachlorobenzene	12500 ppb
							Pentachloroethane	12500 ppb
							3-Methylcholanthrene	12500 ppb
							6-Methylchrysene	12500 ppb
							Aramite, Total	12500 ppb
							cis-Diallate	9250 ppb
							Diallate	12500 ppb
							Dimethoate	12500 ppb
							Disulfoton	12500 ppb
							Ethyl Parathion	12500 ppb
							Famphur	12500 ppb
							Methyl parathion	12500 ppb
							o,o',o''-Triethylphosphorothioate	12500 ppb
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	12500 ppb
							Phorate	12500 ppb
							Safrole, Total	12500 ppb
							Sulfotepp	12500 ppb
							trans-Diallate	3250 ppb
							Methapyrilene	25000 ppb
							Dibenz[a,j]acridine	12500 ppb
					OP_NPQUIN_STK_00006	0.625 mL	1,4-Naphthoquinone	25006.3 ppb
.OP_APPIX1_MS_00112	08/22/25	07/21/25	Acetone, Lot EI930-US	80 mL	OP_APXKEP_STK_00007	0.44 mL	Kepone	51032.4 ppb
					OP_RES_APPX1_00018	4 mL	1,3,5-Trinitrobenzene	50000 ppb
							1,4-Dinitrobenzene	50000 ppb
							1-Naphthylamine	50000 ppb
							2-Acetylaminofluorene	50000 ppb
							2-Naphthylamine	50000 ppb
							2-Picoline	50000 ppb
							2-Toluidine	50000 ppb
							3,3'-Dimethylbenzidine	50000 ppb
							4,4'-Methylene bis(2-chloroaniline)	50000 ppb
							4-Aminobiphenyl	50000 ppb

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroquinoline-1-oxide	50000 ppb
							5-Nitro-o-toluidine	50000 ppb
							alpha,alpha-Dimethyl phenethylamine	50000 ppb
							Dibenz[a,h]acridine	50000 ppb
							N-Nitrosodi-n-butylamine	50000 ppb
							N-Nitrosodiethylamine	50000 ppb
							N-Nitrosomethylethylamine	50000 ppb
							N-Nitrosomorpholine	50000 ppb
							N-Nitrosopiperidine	50000 ppb
							N-Nitrosopyrrolidine	50000 ppb
							p-Dimethylamino azobenzene	50000 ppb
							p-Phenylene diamine	50000 ppb
							Pentachloronitrobenzene	50000 ppb
							Phenacetin	50000 ppb
							Pronamide	50000 ppb
							Quinoline	50000 ppb
					OP_RES_APPX2_00019	4 mL	1,4-Naphthoquinone	50000 ppb
							1-Chloronaphthalene	50000 ppb
							2,3,5,6-Tetrachlorophenol	50000 ppb
							7,12-Dimethylbenz(a)anthracene	50000 ppb
							Chlorobenzilate	50000 ppb
							Dinoseb	50000 ppb
							Ethyl methanesulfonate	50000 ppb
							Hexachloropropene	50000 ppb
							Isodrin	50000 ppb
							Isosafrole	50000 ppb
							Isosafrole Peak 1	8000 ppb
							Isosafrole Peak 2	42000 ppb
							Methyl methanesulfonate	50000 ppb
							Pentachlorobenzene	50000 ppb
							Pentachloroethane	50000 ppb
					OP_RES_APPX3_00013	2 mL	3-Methylcholanthrene	50000 ppb
							6-Methylchrysene	50000 ppb
					OP_RES_APPX4_00015	4 mL	Aramite, Total	50000 ppb
							cis-Diallate	37000 ppb
							Diallate	50000 ppb
							Dimethoate	50000 ppb
							Disulfoton	50000 ppb
							Ethyl Parathion	50000 ppb
							Famphur	50000 ppb
							Methyl parathion	50000 ppb
							o,o',o''-Triethylphosphorothioate	50000 ppb
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	50000 ppb
							Phorate	50000 ppb

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Safrole, Total	50000 ppb
							Sulfotepp	50000 ppb
							trans-Diallate	13000 ppb
					OP_RES_APPX5_00015	4 mL	Methapyrilene	100000 ppb
					OP_RES_APPX6_00011	2 mL	Dibenz[a,j]acridine	50000 ppb
..OP_APXKEP_STK_00007	04/16/26	04/16/25	Methanol, Lot 63145	10 mL	OP_KEPONE_NT_00003	0.1023 g	Kepone	9278610 ppb
...OP_KEPONE_NT_00003	11/30/27		CHEM SERVICE, Lot 14311400		(Purchased Reagent)		Kepone	90.7 %
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							5-Nitro-o-toluidine	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00019	03/31/26		Restek, Lot A0223205		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,3,5,6-Tetrachlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		Aramite, Total	1000 ug/mL
							cis-Diallate	740 ug/mL
							Diallate	1000 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							O,O-Diethyl O-2-pyrazinyl phosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							trans-Diallate	260 ug/mL
..OP_RES_APPX5_00015	04/30/27		Restek, Lot A0224416		(Purchased Reagent)		Methapyrilene	2000 ug/mL
..OP_RES_APPX6_00011	03/31/28		Restek, Lot A0223159		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
.OP_NPQUIN_STK_00006	02/14/28		ABSOLUTE, Lot 021423		(Purchased Reagent)		1,4-Naphthoquinone	1000.5 ug/mL
OP_MINIBNA_SS_00161	01/19/26	08/01/25	Methanol, Lot 63145	1000 mL	OP_BNA_SS_00090	250 mL	1-Methylnaphthalene-d10	250 ppb
							2,4,6-Tribromophenol (Surr)	25000 ppb
							2-Fluorobiphenyl (Surr)	25000 ppb
							2-Fluorophenol (Surr)	25000 ppb
							Benzo(a)pyrene-d12 (Surr)	250 ppb
							Fluoranthene-d10 (Surr)	250 ppb
							Nitrobenzene-d5 (Surr)	25000 ppb
							p-Terphenyl-d14 (Surr)	25000 ppb
							Phenol-d5 (Surr)	25000 ppb
.OP_BNA_SS_00090	01/19/26	07/18/25	Methanol, Lot 63145	3000 mL	OP_BNA_STK_00087	3000 mL	1-Methylnaphthalene-d10	1000 ppb
							2,4,6-Tribromophenol (Surr)	100000 ppb
							2-Fluorobiphenyl (Surr)	100000 ppb
							2-Fluorophenol (Surr)	100000 ppb
							Benzo(a)pyrene-d12 (Surr)	1000 ppb
							Fluoranthene-d10 (Surr)	1000 ppb
							Nitrobenzene-d5 (Surr)	100000 ppb
							p-Terphenyl-d14 (Surr)	100000 ppb
							Phenol-d5 (Surr)	100000 ppb
..OP_BNA_STK_00087	01/19/26		Agilent, Lot 0006844685		(Purchased Reagent)		1-Methylnaphthalene-d10	1 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo(a)pyrene-d12 (Surr)	1 ug/mL
							Fluoranthene-d10 (Surr)	1 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							p-Terphenyl-d14 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
OP_MINLCS1_MS_00280	08/25/25	07/31/25	ACETONE, Lot EJ873-US	100 mL	OP_LCS1_MS_00088	25 mL	1,1'-Biphenyl	12500 ppb
							1,2,4,5-Tetrachlorobenzene	12500 ppb
							1,2,4-Trichlorobenzene	12500 ppb
							1,2-Dichlorobenzene	12500 ppb
							1,2-Diphenylhydrazine	12500 ppb
							1,3-Dichlorobenzene	12500 ppb
							1,3-Dinitrobenzene	12500 ppb
							1,4-Dichlorobenzene	12500 ppb
							1,4-Dioxane	12500 ppb
							1-Methylnaphthalene	12500 ppb
							2,3,4,6-Tetrachlorophenol	12500 ppb
							2,4,5-Trichlorophenol	12500 ppb
							2,4,6-Trichlorophenol	12500 ppb
							2,4-Dichlorophenol	12500 ppb
							2,4-Dimethylphenol	12500 ppb
							2,4-Dinitrophenol	25000 ppb
							2,4-Dinitrotoluene	12500 ppb
							2,6-Dichlorophenol	12500 ppb
							2,6-Dinitrotoluene	12500 ppb
							2-Chloronaphthalene	12500 ppb
							2-Chlorophenol	12500 ppb
							2-Methylnaphthalene	12500 ppb
							2-Nitroaniline	12500 ppb
							2-Nitrophenol	12500 ppb
							3-Nitroaniline	12500 ppb
							4,6-Dinitro-2-methylphenol	25000 ppb
							4-Bromophenyl-phenylether	12500 ppb
							4-Chloro-3-methylphenol	12500 ppb
							4-Chloroaniline	12500 ppb
							4-Chlorophenyl-phenyl ether	12500 ppb
							4-Nitroaniline	12500 ppb
							4-Nitrophenol	25000 ppb
							Acenaphthene	12500 ppb
							Acenaphthylene	12500 ppb
							Acetophenone	12500 ppb
							Aniline	12500 ppb
							Anthracene	12500 ppb
							Benzo[a]anthracene	12500 ppb
							Benzo[a]pyrene	12500 ppb
							Benzo[b]fluoranthene	12500 ppb
							Benzo[g,h,i]perylene	12500 ppb

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	12500 ppb
							Benzyl alcohol	12500 ppb
							bis (2-chloroisopropyl) ether	12500 ppb
							Bis(2-chloroethoxy)methane	12500 ppb
							Bis(2-chloroethyl)ether	12500 ppb
							Bis(2-ethylhexyl) phthalate	12500 ppb
							Butyl benzyl phthalate	12500 ppb
							Carbazole	12500 ppb
							Chrysene	12500 ppb
							Di-n-butyl phthalate	12500 ppb
							Di-n-octyl phthalate	12500 ppb
							Dibenz(a,h)anthracene	12500 ppb
							Dibenzofuran	12500 ppb
							Diethyl phthalate	12500 ppb
							Dimethyl phthalate	12500 ppb
							Dinitrotoluene	25000 ppb
							Fluoranthene	12500 ppb
							Fluorene	12500 ppb
							Hexachlorobenzene	12500 ppb
							Hexachlorobutadiene	12500 ppb
							Hexachlorocyclopentadiene	12500 ppb
							Hexachloroethane	12500 ppb
							Hexadecane	12500 ppb
							Indeno[1,2,3-cd]pyrene	12500 ppb
							Isophorone	12500 ppb
							m & p-Cresol	12500 ppb
							n-Decane	12500 ppb
							N-Nitrosodi-n-propylamine	12500 ppb
							N-Nitrosodimethylamine	12500 ppb
							n-Nitrosodiphenylamine(as diphenylamine)	10625 ppb
							n-Octadecane	12500 ppb
							Naphthalene	12500 ppb
							Nitrobenzene	12500 ppb
							o-Cresol	12500 ppb
							Pentachlorophenol	25000 ppb
							Phenanthrene	12500 ppb
							Phenol	12500 ppb
							Pyrene	12500 ppb
							Pyridine	25000 ppb
							3,3'-Dichlorobenzidine	25000 ppb
							Benzidine	25000 ppb
							Benzoic acid	12500 ppb
							Indene	12500 ppb
							1-Methylphenanthrene	12500 ppb
							2,3-Dichlorobenzenamine	12500 ppb
							Alpha Methyl Styrene	12500 ppb

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Alpha-Terpineol	12500 ppb
							Dimethylformamide	12500 ppb
							icosane	12500 ppb
							n-Docosane	12500 ppb
							n-Tetradecane	12500 ppb
							Octachlorostyrene	12500 ppb
							Phenyl ether	12500 ppb
.OP_LCS1_MS_00088	08/25/25	07/24/25	Acetone, Lot EJ873-US	400 mL	OP_RES_LCS1_00024	20 mL	1,1'-Biphenyl	50000 ppb
							1,2,4,5-Tetrachlorobenzene	50000 ppb
							1,2,4-Trichlorobenzene	50000 ppb
							1,2-Dichlorobenzene	50000 ppb
							1,2-Diphenylhydrazine	50000 ppb
							1,3-Dichlorobenzene	50000 ppb
							1,3-Dinitrobenzene	50000 ppb
							1,4-Dichlorobenzene	50000 ppb
							1,4-Dioxane	50000 ppb
							1-Methylnaphthalene	50000 ppb
							2,3,4,6-Tetrachlorophenol	50000 ppb
							2,4,5-Trichlorophenol	50000 ppb
							2,4,6-Trichlorophenol	50000 ppb
							2,4-Dichlorophenol	50000 ppb
							2,4-Dimethylphenol	50000 ppb
							2,4-Dinitrophenol	100000 ppb
							2,4-Dinitrotoluene	50000 ppb
							2,6-Dichlorophenol	50000 ppb
							2,6-Dinitrotoluene	50000 ppb
							2-Chloronaphthalene	50000 ppb
							2-Chlorophenol	50000 ppb
							2-Methylnaphthalene	50000 ppb
							2-Nitroaniline	50000 ppb
							2-Nitrophenol	50000 ppb
							3-Nitroaniline	50000 ppb
							4,6-Dinitro-2-methylphenol	100000 ppb
							4-Bromophenyl-phenylether	50000 ppb
							4-Chloro-3-methylphenol	50000 ppb
							4-Chloroaniline	50000 ppb
							4-Chlorophenyl-phenyl ether	50000 ppb
							4-Nitroaniline	50000 ppb
							4-Nitrophenol	100000 ppb
							Acenaphthene	50000 ppb
							Acenaphthylene	50000 ppb
							Acetophenone	50000 ppb
							Aniline	50000 ppb
							Anthracene	50000 ppb
							Benzo[a]anthracene	50000 ppb
							Benzo[a]pyrene	50000 ppb

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	50000 ppb
							Benzo[g,h,i]perylene	50000 ppb
							Benzo[k]fluoranthene	50000 ppb
							Benzyl alcohol	50000 ppb
							bis (2-chloroisopropyl) ether	50000 ppb
							Bis(2-chloroethoxy)methane	50000 ppb
							Bis(2-chloroethyl)ether	50000 ppb
							Bis(2-ethylhexyl) phthalate	50000 ppb
							Butyl benzyl phthalate	50000 ppb
							Carbazole	50000 ppb
							Chrysene	50000 ppb
							Di-n-butyl phthalate	50000 ppb
							Di-n-octyl phthalate	50000 ppb
							Dibenz(a,h)anthracene	50000 ppb
							Dibenzofuran	50000 ppb
							Diethyl phthalate	50000 ppb
							Dimethyl phthalate	50000 ppb
							Dinitrotoluene	100000 ppb
							Fluoranthene	50000 ppb
							Fluorene	50000 ppb
							Hexachlorobenzene	50000 ppb
							Hexachlorobutadiene	50000 ppb
							Hexachlorocyclopentadiene	50000 ppb
							Hexachloroethane	50000 ppb
							Hexadecane	50000 ppb
							Indeno[1,2,3-cd]pyrene	50000 ppb
							Isophorone	50000 ppb
							m & p-Cresol	50000 ppb
							n-Decane	50000 ppb
							N-Nitrosodi-n-propylamine	50000 ppb
							N-Nitrosodimethylamine	50000 ppb
							n-Nitrosodiphenylamine(as diphenylamine)	42500 ppb
							n-Octadecane	50000 ppb
							Naphthalene	50000 ppb
							Nitrobenzene	50000 ppb
							o-Cresol	50000 ppb
							Pentachlorophenol	100000 ppb
							Phenanthrene	50000 ppb
							Phenol	50000 ppb
							Pyrene	50000 ppb
							Pyridine	100000 ppb
					OP_RES_LCS2_00014	20 mL	3,3'-Dichlorobenzidine	100000 ppb
							Benzidine	100000 ppb
					OP_RES_LCS3_00011	10 mL	Benzoic acid	50000 ppb
							Indene	50000 ppb
					OP_RES_LCSadd_00004	10 mL	1-Methylphenanthrene	50000 ppb

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3-Dichlorobenzenamine	50000 ppb
							Alpha Methyl Styrene	50000 ppb
							Alpha-Terpineol	50000 ppb
							Dimethylformamide	50000 ppb
							icosane	50000 ppb
							n-Docosane	50000 ppb
							n-Tetradecane	50000 ppb
							Octachlorostyrene	50000 ppb
							Phenyl ether	50000 ppb
..OP_RES_LCS1_00024	02/28/26		Restek, Lot A0224609		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Dinitrotoluene	2000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00014	10/31/26		Restek, Lot A0224695		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..OP_RES_LCS3_00011	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indene	2000 ug/mL
..OP_RES_LCSadd_00004	11/30/25		Agilent, Lot 0006819172		(Purchased Reagent)		1-Methylphenanthrene	2000 ug/mL
							2,3-Dichlorobenzenamine	2000 ug/mL
							Alpha Methyl Styrene	2000 ug/mL
							Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							icosane	2000 ug/mL
							n-Docosane	2000 ug/mL
							n-Tetradecane	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
OP_MINLCS1_MS_00281	08/25/25	08/07/25	ACETONE, Lot EJ873-US	100 mL	OP_LCS1_MS_00088	25 mL	1,1'-Biphenyl	12500 ppb
							1,2,4,5-Tetrachlorobenzene	12500 ppb
							1,2,4-Trichlorobenzene	12500 ppb
							1,2-Dichlorobenzene	12500 ppb
							1,2-Diphenylhydrazine	12500 ppb
							1,3-Dichlorobenzene	12500 ppb
							1,3-Dinitrobenzene	12500 ppb
							1,4-Dichlorobenzene	12500 ppb
							1,4-Dioxane	12500 ppb
							1-Methylnaphthalene	12500 ppb
							2,3,4,6-Tetrachlorophenol	12500 ppb
							2,4,5-Trichlorophenol	12500 ppb
							2,4,6-Trichlorophenol	12500 ppb
							2,4-Dichlorophenol	12500 ppb
							2,4-Dimethylphenol	12500 ppb
							2,4-Dinitrophenol	25000 ppb
							2,4-Dinitrotoluene	12500 ppb
							2,6-Dichlorophenol	12500 ppb
							2,6-Dinitrotoluene	12500 ppb
							2-Chloronaphthalene	12500 ppb
							2-Chlorophenol	12500 ppb
							2-Methylnaphthalene	12500 ppb
							2-Nitroaniline	12500 ppb
							2-Nitrophenol	12500 ppb
							3-Nitroaniline	12500 ppb
							4,6-Dinitro-2-methylphenol	25000 ppb
							4-Bromophenyl-phenylether	12500 ppb
							4-Chloro-3-methylphenol	12500 ppb
							4-Chloroaniline	12500 ppb
							4-Chlorophenyl-phenyl ether	12500 ppb
							4-Nitroaniline	12500 ppb
							4-Nitrophenol	25000 ppb
							Acenaphthene	12500 ppb
							Acenaphthylene	12500 ppb
							Acetophenone	12500 ppb

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aniline	12500 ppb
							Anthracene	12500 ppb
							Benzo[a]anthracene	12500 ppb
							Benzo[a]pyrene	12500 ppb
							Benzo[b]fluoranthene	12500 ppb
							Benzo[g,h,i]perylene	12500 ppb
							Benzo[k]fluoranthene	12500 ppb
							Benzyl alcohol	12500 ppb
							bis (2-chloroisopropyl) ether	12500 ppb
							Bis(2-chloroethoxy)methane	12500 ppb
							Bis(2-chloroethyl)ether	12500 ppb
							Bis(2-ethylhexyl) phthalate	12500 ppb
							Butyl benzyl phthalate	12500 ppb
							Carbazole	12500 ppb
							Chrysene	12500 ppb
							Di-n-butyl phthalate	12500 ppb
							Di-n-octyl phthalate	12500 ppb
							Dibenz(a,h)anthracene	12500 ppb
							Dibenzofuran	12500 ppb
							Diethyl phthalate	12500 ppb
							Dimethyl phthalate	12500 ppb
							Dinitrotoluene	25000 ppb
							Fluoranthene	12500 ppb
							Fluorene	12500 ppb
							Hexachlorobenzene	12500 ppb
							Hexachlorobutadiene	12500 ppb
							Hexachlorocyclopentadiene	12500 ppb
							Hexachloroethane	12500 ppb
							Hexadecane	12500 ppb
							Indeno[1,2,3-cd]pyrene	12500 ppb
							Isophorone	12500 ppb
							m & p-Cresol	12500 ppb
							n-Decane	12500 ppb
							N-Nitrosodi-n-propylamine	12500 ppb
							N-Nitrosodimethylamine	12500 ppb
							n-Nitrosodiphenylamine(as diphenylamine)	10625 ppb
							n-Octadecane	12500 ppb
							Naphthalene	12500 ppb
							Nitrobenzene	12500 ppb
							o-Cresol	12500 ppb
							Pentachlorophenol	25000 ppb
							Phenanthrene	12500 ppb
							Phenol	12500 ppb
							Pyrene	12500 ppb
							Pyridine	25000 ppb
							3,3'-Dichlorobenzidine	25000 ppb

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzidine	25000 ppb
							Benzoic acid	12500 ppb
							Indene	12500 ppb
							1-Methylphenanthrene	12500 ppb
							2,3-Dichlorobenzenamine	12500 ppb
							Alpha Methyl Styrene	12500 ppb
							Alpha-Terpineol	12500 ppb
							Dimethylformamide	12500 ppb
							icosane	12500 ppb
							n-Docosane	12500 ppb
							n-Tetradecane	12500 ppb
							Octachlorostyrene	12500 ppb
							Phenyl ether	12500 ppb
.OP_LCS1_MS_00088	08/25/25	07/24/25	Acetone, Lot EJ873-US	400 mL	OP_RES_LCS1_00024	20 mL	1,1'-Biphenyl	50000 ppb
							1,2,4,5-Tetrachlorobenzene	50000 ppb
							1,2,4-Trichlorobenzene	50000 ppb
							1,2-Dichlorobenzene	50000 ppb
							1,2-Diphenylhydrazine	50000 ppb
							1,3-Dichlorobenzene	50000 ppb
							1,3-Dinitrobenzene	50000 ppb
							1,4-Dichlorobenzene	50000 ppb
							1,4-Dioxane	50000 ppb
							1-Methylnaphthalene	50000 ppb
							2,3,4,6-Tetrachlorophenol	50000 ppb
							2,4,5-Trichlorophenol	50000 ppb
							2,4,6-Trichlorophenol	50000 ppb
							2,4-Dichlorophenol	50000 ppb
							2,4-Dimethylphenol	50000 ppb
							2,4-Dinitrophenol	100000 ppb
							2,4-Dinitrotoluene	50000 ppb
							2,6-Dichlorophenol	50000 ppb
							2,6-Dinitrotoluene	50000 ppb
							2-Chloronaphthalene	50000 ppb
							2-Chlorophenol	50000 ppb
							2-Methylnaphthalene	50000 ppb
							2-Nitroaniline	50000 ppb
							2-Nitrophenol	50000 ppb
							3-Nitroaniline	50000 ppb
							4,6-Dinitro-2-methylphenol	100000 ppb
							4-Bromophenyl-phenylether	50000 ppb
							4-Chloro-3-methylphenol	50000 ppb
							4-Chloroaniline	50000 ppb
							4-Chlorophenyl-phenyl ether	50000 ppb
							4-Nitroaniline	50000 ppb
							4-Nitrophenol	100000 ppb
							Acenaphthene	50000 ppb

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	50000 ppb
							Acetophenone	50000 ppb
							Aniline	50000 ppb
							Anthracene	50000 ppb
							Benzo[a]anthracene	50000 ppb
							Benzo[a]pyrene	50000 ppb
							Benzo[b]fluoranthene	50000 ppb
							Benzo[g,h,i]perylene	50000 ppb
							Benzo[k]fluoranthene	50000 ppb
							Benzyl alcohol	50000 ppb
							bis (2-chloroisopropyl) ether	50000 ppb
							Bis(2-chloroethoxy)methane	50000 ppb
							Bis(2-chloroethyl)ether	50000 ppb
							Bis(2-ethylhexyl) phthalate	50000 ppb
							Butyl benzyl phthalate	50000 ppb
							Carbazole	50000 ppb
							Chrysene	50000 ppb
							Di-n-butyl phthalate	50000 ppb
							Di-n-octyl phthalate	50000 ppb
							Dibenz(a,h)anthracene	50000 ppb
							Dibenzofuran	50000 ppb
							Diethyl phthalate	50000 ppb
							Dimethyl phthalate	50000 ppb
							Dinitrotoluene	100000 ppb
							Fluoranthene	50000 ppb
							Fluorene	50000 ppb
							Hexachlorobenzene	50000 ppb
							Hexachlorobutadiene	50000 ppb
							Hexachlorocyclopentadiene	50000 ppb
							Hexachloroethane	50000 ppb
							Hexadecane	50000 ppb
							Indeno[1,2,3-cd]pyrene	50000 ppb
							Isophorone	50000 ppb
							m & p-Cresol	50000 ppb
							n-Decane	50000 ppb
							N-Nitrosodi-n-propylamine	50000 ppb
							N-Nitrosodimethylamine	50000 ppb
							n-Nitrosodiphenylamine(as diphenylamine)	42500 ppb
							n-Octadecane	50000 ppb
							Naphthalene	50000 ppb
							Nitrobenzene	50000 ppb
							o-Cresol	50000 ppb
							Pentachlorophenol	100000 ppb
							Phenanthrene	50000 ppb
							Phenol	50000 ppb
							Pyrene	50000 ppb

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyridine	100000 ppb
					OP_RES_LCS2_00014	20 mL	3,3'-Dichlorobenzidine	100000 ppb
							Benzidine	100000 ppb
					OP_RES_LCS3_00011	10 mL	Benzoic acid	50000 ppb
							Indene	50000 ppb
					OP_RES_LCSadd_00004	10 mL	1-Methylphenanthrene	50000 ppb
							2,3-Dichlorobenzenamine	50000 ppb
							Alpha Methyl Styrene	50000 ppb
							Alpha-Terpineol	50000 ppb
							Dimethylformamide	50000 ppb
							icosane	50000 ppb
							n-Docosane	50000 ppb
							n-Tetradecane	50000 ppb
							Octachlorostyrene	50000 ppb
							Phenyl ether	50000 ppb
..OP_RES_LCS1_00024	02/28/26		Restek, Lot A0224609		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl-phenylether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl-phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Dinitrotoluene	2000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m & p-Cresol	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Nitrosodiphenylamine(as diphenylamine)	850 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00014	10/31/26	Restek, Lot A0224695			(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..OP_RES_LCS3_00011	09/30/25	Restek, Lot A0209261			(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..OP_RES_LCSadd_00004	11/30/25	Agilent, Lot 0006819172			(Purchased Reagent)		1-Methylphenanthrene	2000 ug/mL
							2,3-Dichlorobenzenamine	2000 ug/mL
							Alpha Methyl Styrene	2000 ug/mL
							Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							icosane	2000 ug/mL
							n-Docosane	2000 ug/mL
							n-Tetradecane	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
OP_MINLCS2_MS_00168	08/12/25	07/24/25	ACETONE, Lot EJ873-US	100 mL	OP_LCS 2_MS_00074	25 mL	Atrazine	12500 ppb
							Benzaldehyde	12500 ppb
							Caprolactam	12500 ppb
.OP_LCS 2_MS_00074	08/12/25	07/11/25	ACETONE, Lot EI930-US	400 mL	OP_LCSmix2stk_00011	10 mL	Atrazine	50000 ppb
							Benzaldehyde	50000 ppb
							Caprolactam	50000 ppb
..OP_LCSmix2stk_00011	08/31/26	Restek, Lot A0222846			(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
WC-PR20mg/lQC_01429	08/02/25	08/01/25	Sodium Hyroxide, Lot in house	25 mL	WC_F_tcnlcssc_00006	0.5 mL	Cyanide, Total	20 mg/L
.WC_F_tcnlcssc_00006	12/02/26	Absoulte Standards, Lot 120224			(Purchased Reagent)		Cyanide, Total	1000 mg/L
WC-PR20mg/lQC_01433	08/06/25	08/05/25	Sodium Hyroxide, Lot in house	25 mL	WC_F_tcnlcssc_00006	0.5 mL	Cyanide, Total	20 mg/L
.WC_F_tcnlcssc_00006	12/02/26	Absoulte Standards, Lot 120224			(Purchased Reagent)		Cyanide, Total	1000 mg/L
WC_FL_CCVCN_00891	08/02/25	08/01/25	Sodium Hyroxide, Lot 31238	100 mL	WC_FL_Q_10 CN_00878	2 mL	Cyanide, Total	0.2 mg/L
.WC_FL_Q_10 CN_00878	08/02/25	08/01/25	NaOH, Lot 13347	50 mL	WC_FL_CNVeriS_00047	0.5 mL	Cyanide, Total	10 mg/L
..WC_FL_CNVeriS_00047	09/30/25	ricca, Lot 1503H70			(Purchased Reagent)		Cyanide, Total	1000 mg/L
WC_FL_CCVCN_00892	08/05/25	08/04/25	Sodium Hyroxide, Lot 31238	100 mL	WC_FL_Q_10 CN_00879	2 mL	Cyanide, Total	0.2 mg/L
.WC_FL_Q_10 CN_00879	08/05/25	08/04/25	NaOH, Lot 13347	50 mL	WC_FL_CNVeriS_00047	0.5 mL	Cyanide, Total	10 mg/L
..WC_FL_CNVeriS_00047	09/30/25	ricca, Lot 1503H70			(Purchased Reagent)		Cyanide, Total	1000 mg/L

Reagent

MS_RES_ICV1_00009

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995.SEC **Lot No.:** A0212976

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1.SEC	QHRWO	99%	1,006.3 µg/mL	+/- 18.5955
2	N-Nitrosodimethylamine	62-75-9.SEC	71L89	99%	1,008.3 µg/mL	+/- 18.6324
3	Pyridine	110-86-1.SEC	QN8DK	99%	2,020.0 µg/mL	+/- 37.3295
4	Phenol	108-95-2.SEC	EDPYN	99%	1,005.5 µg/mL	+/- 18.5816
5	Aniline	62-53-3.SEC	ZCD3N	99%	1,005.0 µg/mL	+/- 18.5724
6	Bis(2-chloroethyl)ether	111-44-4.SEC	FA010143	99%	1,007.3 µg/mL	+/- 18.6139
7	n-Decane (C10)	124-18-5.SEC	UCVNN	99%	1,008.5 µg/mL	+/- 18.6370
8	2-Chlorophenol	95-57-8.SEC	GJ01	99%	1,007.5 µg/mL	+/- 18.6186
9	1,3-Dichlorobenzene	541-73-1.SEC	FMDFD	99%	1,009.0 µg/mL	+/- 18.6463
10	1,4-Dichlorobenzene	106-46-7.SEC	J5GVD	99%	1,004.5 µg/mL	+/- 18.5631
11	Benzyl alcohol	100-51-6.SEC	QZBUO	99%	1,006.3 µg/mL	+/- 18.5955
12	1,2-Dichlorobenzene	95-50-1.SEC	R6QDM	99%	1,006.0 µg/mL	+/- 18.5908
13	2-Methylphenol (o-cresol)	95-48-7.SEC	NC7HL	99%	1,004.5 µg/mL	+/- 18.5631
14	2,2'-oxybis(1-chloropropane)	108-60-1 *	29-MAR-45-5	99%	1,007.5 µg/mL	+/- 18.6186
15	Acetophenone	98-86-2.SEC	NSGTI	99%	1,007.0 µg/mL	+/- 18.6093
16	3-Methylphenol (m-cresol)	108-39-4.SEC	6LHTM	99%	503.8 µg/mL	+/- 9.3093

17	4-Methylphenol (p-cresol)	106-44-5.SEC 65S2E	99%	504.8	µg/mL	+/- 9.3278
18	N-Nitroso-di-n-propylamine	621-64-7.SEC 13924400	99%	1,008.5	µg/mL	+/- 18.6370
19	Hexachloroethane	67-72-1.SEC 10173016	99%	1,008.5	µg/mL	+/- 18.6370
20	Nitrobenzene	98-95-3.SEC FLYIG	99%	1,003.8	µg/mL	+/- 18.5493
21	Isophorone	78-59-1.SEC XHGJI	98%	1,007.2	µg/mL	+/- 18.6129
22	2-Nitrophenol	88-75-5.SEC RP231023CTH	99%	1,006.5	µg/mL	+/- 18.6001
23	2,4-Dimethylphenol	105-67-9.SEC MKBL3650V	99%	1,005.0	µg/mL	+/- 18.5724
24	Bis(2-chloroethoxy)methane	111-91-1 * 15174900	99%	1,007.3	µg/mL	+/- 18.6139
25	2,4-Dichlorophenol	120-83-2.SEC FHM01	99%	1,008.3	µg/mL	+/- 18.6324
26	1,2,4-Trichlorobenzene	120-82-1.SEC IGLFA	99%	1,005.0	µg/mL	+/- 18.5724
27	Naphthalene	91-20-3.SEC AM5NG	99%	1,008.3	µg/mL	+/- 18.6324
28	2,6-Dichlorophenol	87-65-0.SEC SIDBB	99%	1,003.0	µg/mL	+/- 18.5354
29	4-Chloroaniline	106-47-8.SEC 10171860	99%	1,005.5	µg/mL	+/- 18.5816
30	Hexachlorobutadiene	87-68-3.SEC 13471600	97%	1,006.6	µg/mL	+/- 18.6022
31	4-Chloro-3-methylphenol	59-50-7.SEC FDO02	99%	1,005.0	µg/mL	+/- 18.5724
32	2-Methylnaphthalene	91-57-6.SEC 76023-1	99%	1,005.3	µg/mL	+/- 18.5770
33	1-Methylnaphthalene	90-12-0.SEC OEE3F	98%	1,003.3	µg/mL	+/- 18.5405
34	1,2,4,5-Tetrachlorobenzene	95-94-3.SEC AF02	99%	1,005.3	µg/mL	+/- 18.5770
35	Hexachlorocyclopentadiene	77-47-4.SEC 14794200	98%	1,008.2	µg/mL	+/- 18.6310
36	2,4,6-Trichlorophenol	88-06-2.SEC UUMYM	98%	1,004.7	µg/mL	+/- 18.5676
37	2,4,5-Trichlorophenol	95-95-4.SEC MKBQ9937V	97%	1,009.0	µg/mL	+/- 18.6471
38	2-Chloronaphthalene	91-58-7.SEC 15229800	99%	1,006.5	µg/mL	+/- 18.6001
39	Biphenyl	92-52-4.SEC 33OQE	99%	1,007.5	µg/mL	+/- 18.6186
40	2-Nitroaniline	88-74-4.SEC RP231006S	99%	1,008.3	µg/mL	+/- 18.6324
41	Acenaphthylene	208-96-8.SEC 0012014	96%	1,007.8	µg/mL	+/- 18.6234
42	1,3-Dinitrobenzene	99-65-0.SEC 3XXLB	99%	1,004.0	µg/mL	+/- 18.5539
43	Dimethylphthalate	131-11-3.SEC 483WC	99%	1,008.5	µg/mL	+/- 18.6370
44	2,6-Dinitrotoluene	606-20-2.SEC GE01	99%	1,007.3	µg/mL	+/- 18.6139
45	3-Nitroaniline	99-09-2.SEC RP230509B	99%	1,006.0	µg/mL	+/- 18.5908
46	Acenaphthene	83-32-9.SEC BWZJE	99%	1,008.8	µg/mL	+/- 18.6417
47	2,4-Dinitrophenol	51-28-5.SEC YTR6B	99%	2,018.5	µg/mL	+/- 37.3018
48	Dibenzofuran	132-64-9.SEC Q5FOB	99%	1,005.3	µg/mL	+/- 18.5770
49	4-Nitrophenol	100-02-7.SEC RP240328RSRS	99%	2,015.3	µg/mL	+/- 37.2417
50	2,4-Dinitrotoluene	121-14-2.SEC SHRSA	99%	1,009.3	µg/mL	+/- 18.6509
51	2,3,4,6-Tetrachlorophenol	58-90-2.SEC B18W03261	99%	1,008.5	µg/mL	+/- 18.6370
52	Fluorene	86-73-7.SEC 14757200	98%	1,002.8	µg/mL	+/- 18.5314

53	n-Hexadecane (C16)	544-76-3.SEC A0328141	99%	1,006.5	µg/mL	+/- 18.6001
54	Diethylphthalate	84-66-2.SEC UMBJC	99%	1,010.0	µg/mL	+/- 18.6648
55	4-Chlorophenyl phenyl ether	7005-72-3.SECP31G	98%	1,005.7	µg/mL	+/- 18.5858
56	4-Nitroaniline	100-01-6.SEC 5ITRC	99%	1,010.0	µg/mL	+/- 18.6648
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1.SEC DR15276900	99%	2,018.5	µg/mL	+/- 37.3018
58	Diphenylamine	122-39-4.SEC 10164691	99%	853.5	µg/mL	+/- 15.7726
59	Azobenzene	103-33-3.SEC JUWAG	99%	1,009.0	µg/mL	+/- 18.6463
60	4-Bromophenyl phenyl ether	101-55-3.SEC 84C6D	99%	1,009.3	µg/mL	+/- 18.6509
61	Hexachlorobenzene	118-74-1.SEC G996401	97%	1,004.0	µg/mL	+/- 18.5530
62	Pentachlorophenol	87-86-5.SEC 15277300	99%	2,007.5	µg/mL	+/- 37.0985
63	n-Octadecane (C18)	593-45-3.SEC G14U045	99%	1,004.0	µg/mL	+/- 18.5539
64	Phenanthrene	85-01-8.SEC 14992600	99%	1,004.5	µg/mL	+/- 18.5631
65	Anthracene	120-12-7.SEC WDFNJ	99%	1,008.3	µg/mL	+/- 18.6324
66	Carbazole	86-74-8.SEC LMIZB	99%	1,008.5	µg/mL	+/- 18.6370
67	Di-n-butylphthalate	84-74-2.SEC 42FSG	99%	1,005.0	µg/mL	+/- 18.5724
68	Fluoranthene	206-44-0.SEC FREGF	99%	1,007.5	µg/mL	+/- 18.6186
69	Pyrene	129-00-0.SEC ROVJC	99%	1,008.3	µg/mL	+/- 18.6324
70	Benzyl butyl phthalate	85-68-7.SEC TMXHI	99%	1,007.3	µg/mL	+/- 18.6139
71	Benz(a)anthracene	56-55-3.SEC JIU7N	99%	1,006.5	µg/mL	+/- 18.6001
72	chrysene	218-01-9.SEC RP231025RSRA	99%	1,007.5	µg/mL	+/- 18.6186
73	Bis(2-ethylhexyl)phthalate	117-81-7.SEC MT8AG	99%	1,009.0	µg/mL	+/- 18.6463
74	Di-n-octyl phthalate	117-84-0.SEC O8DLD	99%	1,006.5	µg/mL	+/- 18.6001
75	Benzo(b)fluoranthene	205-99-2.SEC I38AN	99%	1,007.0	µg/mL	+/- 18.6093
76	Benzo(k)fluoranthene	207-08-9.SEC 12876600	99%	1,005.3	µg/mL	+/- 18.5770
77	Benzo(a)pyrene	50-32-8.SEC ISLCP3775	97%	1,004.2	µg/mL	+/- 18.5574
78	Indeno(1,2,3-cd)pyrene	193-39-5.SEC 022013	99%	1,004.8	µg/mL	+/- 18.5677
79	Dibenz(a,h)anthracene	53-70-3.SEC 0012022	99%	1,005.3	µg/mL	+/- 18.5770
80	Benzo(g,h,i)perylene	191-24-2.SEC RP240610S	96%	1,004.6	µg/mL	+/- 18.5657

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL. N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine. N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

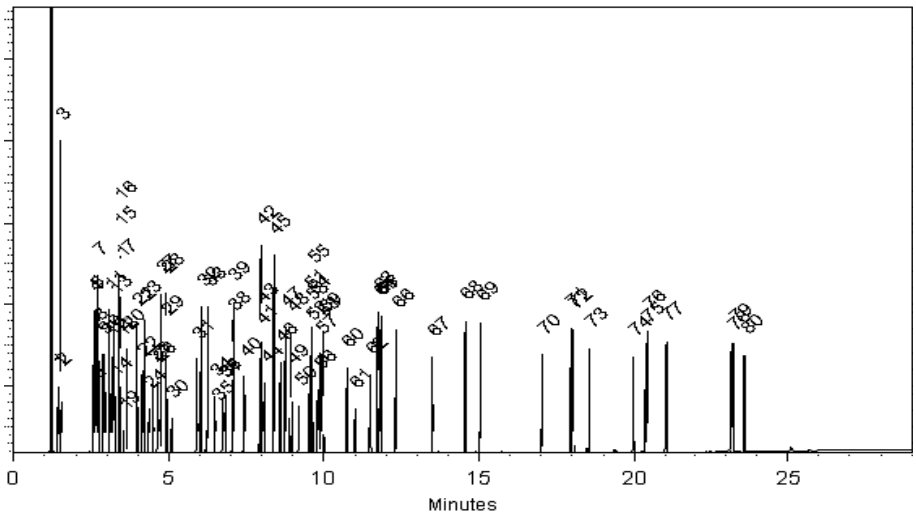
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 02-Jul-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MS_RES_ICV1_00010

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995.SEC **Lot No.:** A0219885

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : October 31, 2025 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1.SEC	4ZVCG	99%	1,005.0 µg/mL	+/- 18.5724
2	N-Nitrosodimethylamine	62-75-9.SEC	61H72	99%	1,005.8 µg/mL	+/- 18.5862
3	Pyridine	110-86-1.SEC	QN8DK	99%	2,010.0 µg/mL	+/- 37.1447
4	Phenol	108-95-2.SEC	EDPYN	99%	1,007.0 µg/mL	+/- 18.6093
5	Aniline	62-53-3.SEC	ZCD3N	99%	1,005.0 µg/mL	+/- 18.5724
6	Bis(2-chloroethyl)ether	111-44-4.SEC	FA010143	99%	1,005.3 µg/mL	+/- 18.5770
7	n-Decane (C10)	124-18-5.SEC	UCVNN	99%	1,007.5 µg/mL	+/- 18.6186
8	2-Chlorophenol	95-57-8.SEC	GJ01	99%	1,007.3 µg/mL	+/- 18.6139
9	1,3-Dichlorobenzene	541-73-1.SEC	ZA2ZI	99%	1,006.0 µg/mL	+/- 18.5908
10	1,4-Dichlorobenzene	106-46-7.SEC	J5GVD	99%	1,005.8 µg/mL	+/- 18.5862
11	Benzyl alcohol	100-51-6.SEC	QZBUO	99%	1,007.5 µg/mL	+/- 18.6186
12	1,2-Dichlorobenzene	95-50-1.SEC	R6QDM	99%	1,005.5 µg/mL	+/- 18.5816
13	2-Methylphenol (o-cresol)	95-48-7.SEC	NC7HL	99%	1,007.3 µg/mL	+/- 18.6139
14	2,2'-oxybis(1-chloropropane)	108-60-1 *	29-MAR-45-5	99%	1,005.5 µg/mL	+/- 18.5816
15	Acetophenone	98-86-2.SEC	NSGTI	99%	1,005.3 µg/mL	+/- 18.5770
16	3-Methylphenol (m-cresol)	108-39-4.SEC	6LHTM	99%	503.0 µg/mL	+/- 9.2954

17	4-Methylphenol (p-cresol)	106-44-5.SEC 65S2E	99%	502.3	µg/mL	+/- 9.2816
18	N-Nitroso-di-n-propylamine	621-64-7.SEC 9566100	99%	1,006.0	µg/mL	+/- 18.5908
19	Hexachloroethane	67-72-1.SEC 10173016	99%	1,005.8	µg/mL	+/- 18.5862
20	Nitrobenzene	98-95-3.SEC FLYIG	99%	1,006.8	µg/mL	+/- 18.6047
21	Isophorone	78-59-1.SEC XHGJI	98%	1,002.1	µg/mL	+/- 18.5178
22	2-Nitrophenol	88-75-5.SEC RP231023CTH	99%	1,006.8	µg/mL	+/- 18.6047
23	2,4-Dimethylphenol	105-67-9.SEC MKBL3650V	99%	1,007.8	µg/mL	+/- 18.6232
24	Bis(2-chloroethoxy)methane	111-91-1 * 15174900	99%	1,007.0	µg/mL	+/- 18.6093
25	2,4-Dichlorophenol	120-83-2.SEC FHM01	99%	1,005.5	µg/mL	+/- 18.5816
26	1,2,4-Trichlorobenzene	120-82-1.SEC IGLFA	99%	1,006.3	µg/mL	+/- 18.5955
27	Naphthalene	91-20-3.SEC AM5NG	99%	1,005.5	µg/mL	+/- 18.5816
28	2,6-Dichlorophenol	87-65-0.SEC SIDBB	99%	1,006.8	µg/mL	+/- 18.6047
29	4-Chloroaniline	106-47-8.SEC 10171860	99%	1,006.8	µg/mL	+/- 18.6047
30	Hexachlorobutadiene	87-68-3.SEC 13471600	97%	1,003.5	µg/mL	+/- 18.5440
31	4-Chloro-3-methylphenol	59-50-7.SEC FDO02	99%	1,006.5	µg/mL	+/- 18.6001
32	2-Methylnaphthalene	91-57-6.SEC 76023-1	99%	1,007.3	µg/mL	+/- 18.6139
33	1-Methylnaphthalene	90-12-0.SEC OEE3F	99%	1,007.0	µg/mL	+/- 18.6093
34	1,2,4,5-Tetrachlorobenzene	95-94-3.SEC AF02	99%	1,004.0	µg/mL	+/- 18.5539
35	Hexachlorocyclopentadiene	77-47-4.SEC 15819900	99%	1,007.0	µg/mL	+/- 18.6093
36	2,4,6-Trichlorophenol	88-06-2.SEC UUMYM	98%	1,006.7	µg/mL	+/- 18.6039
37	2,4,5-Trichlorophenol	95-95-4.SEC MKBQ9937V	97%	1,006.4	µg/mL	+/- 18.5978
38	2-Chloronaphthalene	91-58-7.SEC 15549900	99%	1,006.3	µg/mL	+/- 18.5955
39	Biphenyl	92-52-4.SEC 33OQE	99%	1,007.5	µg/mL	+/- 18.6186
40	2-Nitroaniline	88-74-4.SEC RP231006S	99%	1,005.3	µg/mL	+/- 18.5770
41	Acenaphthylene	208-96-8.SEC 0012013AN	97%	1,003.7	µg/mL	+/- 18.5485
42	1,3-Dinitrobenzene	99-65-0.SEC 3XXLB	99%	1,005.5	µg/mL	+/- 18.5816
43	Dimethylphthalate	131-11-3.SEC 483WC	99%	1,005.8	µg/mL	+/- 18.5862
44	2,6-Dinitrotoluene	606-20-2.SEC GE01	99%	1,004.5	µg/mL	+/- 18.5631
45	3-Nitroaniline	99-09-2.SEC RP230509B	99%	1,005.8	µg/mL	+/- 18.5862
46	Acenaphthene	83-32-9.SEC BWZJE	99%	1,005.0	µg/mL	+/- 18.5724
47	2,4-Dinitrophenol	51-28-5.SEC YTR6B	99%	2,008.5	µg/mL	+/- 37.1170
48	Dibenzofuran	132-64-9.SEC 27ZGC	99%	1,006.5	µg/mL	+/- 18.6001
49	4-Nitrophenol	100-02-7.SEC RP241121S	99%	2,011.8	µg/mL	+/- 37.1771
50	2,4-Dinitrotoluene	121-14-2.SEC SHRSA	99%	1,005.8	µg/mL	+/- 18.5862
51	2,3,4,6-Tetrachlorophenol	58-90-2.SEC B18W03261	99%	1,007.5	µg/mL	+/- 18.6186
52	Fluorene	86-73-7.SEC 14757200	98%	1,004.5	µg/mL	+/- 18.5631

53	n-Hexadecane (C16)	544-76-3.SEC A0328141	99%	1,008.0	µg/mL	+/- <0.0001
54	Diethylphthalate	84-66-2.SEC UMBJC	99%	1,007.0	µg/mL	+/- 18.6093
55	4-Chlorophenyl phenyl ether	7005-72-3.SECP31G	98%	1,005.5	µg/mL	+/- 18.5812
56	4-Nitroaniline	100-01-6.SEC 5ITRC	99%	1,005.8	µg/mL	+/- 18.5862
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1.SEC DR13924100	99%	2,010.0	µg/mL	+/- 37.1447
58	Diphenylamine	122-39-4.SEC 10164691	99%	855.0	µg/mL	+/- 15.8004
59	Azobenzene	103-33-3.SEC MHV2A	98%	1,005.0	µg/mL	+/- 18.5722
60	4-Bromophenyl phenyl ether	101-55-3.SEC 84C6D	99%	1,005.0	µg/mL	+/- 18.5724
61	Hexachlorobenzene	118-74-1.SEC G1456068	99%	1,008.5	µg/mL	+/- 18.6370
62	Pentachlorophenol	87-86-5.SEC 15277300	99%	2,010.5	µg/mL	+/- 37.1540
63	n-Octadecane (C18)	593-45-3.SEC A0406344	99%	1,007.0	µg/mL	+/- <0.0001
64	Phenanthrene	85-01-8.SEC 8637000	98%	1,002.1	µg/mL	+/- 18.5178
65	Anthracene	120-12-7.SEC WDFNJ	99%	1,005.3	µg/mL	+/- 18.5770
66	Carbazole	86-74-8.SEC LMIZB	99%	1,005.0	µg/mL	+/- 18.5724
67	Di-n-butylphthalate	84-74-2.SEC 42FSG	99%	1,005.8	µg/mL	+/- 18.5862
68	Fluoranthene	206-44-0.SEC FREGF	99%	1,005.3	µg/mL	+/- 18.5770
69	Pyrene	129-00-0.SEC ROVJC	99%	1,005.8	µg/mL	+/- 18.5862
70	Benzyl butyl phthalate	85-68-7.SEC TMXHI	99%	1,006.5	µg/mL	+/- 18.6001
71	Benz(a)anthracene	56-55-3.SEC JIU7N	99%	1,007.5	µg/mL	+/- 18.6186
72	chrysene	218-01-9.SEC RP240920S	99%	1,005.5	µg/mL	+/- 18.5816
73	Bis(2-ethylhexyl)phthalate	117-81-7.SEC MT8AG	99%	1,006.8	µg/mL	+/- 18.6047
74	Di-n-octyl phthalate	117-84-0.SEC O8DLD	99%	1,004.8	µg/mL	+/- 18.5677
75	Benzo(b)fluoranthene	205-99-2.SEC 53NSF	99%	1,006.5	µg/mL	+/- 18.6001
76	Benzo(k)fluoranthene	207-08-9.SEC 15550000	99%	1,007.3	µg/mL	+/- 18.6139
77	Benzo(a)pyrene	50-32-8.SEC ISLCP3775	97%	1,004.7	µg/mL	+/- 18.5664
78	Indeno(1,2,3-cd)pyrene	193-39-5.SEC 022013	99%	1,007.5	µg/mL	+/- 18.6186
79	Dibenz(a,h)anthracene	53-70-3.SEC 712061504-1-1	99%	1,004.8	µg/mL	+/- 18.5677
80	Benzo(g,h,i)perylene	191-24-2.SEC RP240610S	96%	1,004.4	µg/mL	+/- 18.5613

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL. N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine. N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

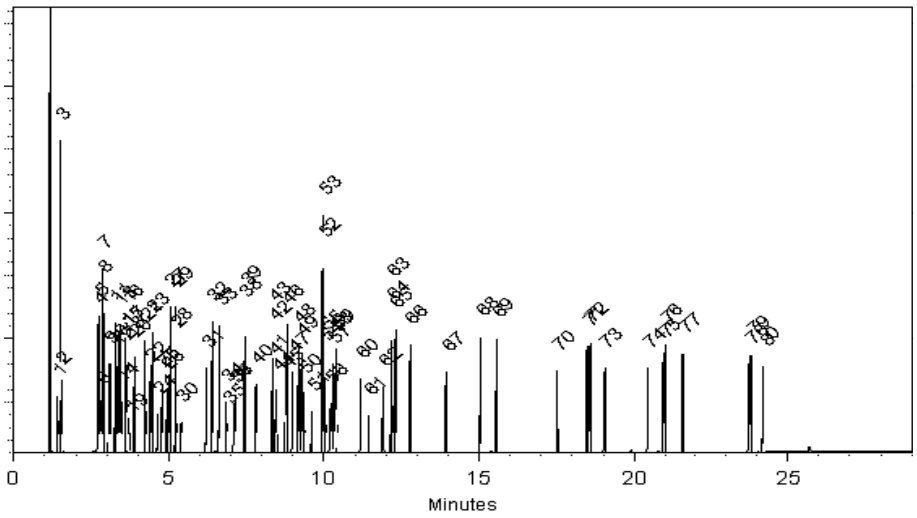
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 09-Dec-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 17-Dec-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MS_RES_ICV4_00009

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570667.SEC **Lot No.:** A0214847

Description : 8270 Supplemental Standard #1

8270 Supplemental Standard #1 1,000µg/mL, Methylene chloride, 1mL/ampul
Also described as 8270 List 2 / Std #1

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Picoline	109-06-8.SEC	PUXDM	99%	1,004.0 µg/mL	+/- 18.5897
2	N-Nitrosomethylethylamine	10595-95-6.SEC	C-RFS-156-7	99%	1,004.0 µg/mL	+/- 18.5897
3	Acrylamide	79-06-1.SEC	CQRXE	99%	1,005.0 µg/mL	+/- 18.6082
4	N-Nitrosodiethylamine	55-18-5.SEC	14436300	99%	1,001.0 µg/mL	+/- 18.5342
5	N-Nitrosopyrrolidine	930-55-2.SEC	13339800	99%	1,004.0 µg/mL	+/- 18.5897
6	o-Toluidine	95-53-4.SEC	42MPF	99%	1,000.0 µg/mL	+/- 18.5156
7	N-Nitrosomorpholine	59-89-2.SEC	14676500	99%	1,001.0 µg/mL	+/- 18.5342
8	N-Nitrosopiperidine	100-75-4.SEC	1-VAM-19-3	99%	1,002.0 µg/mL	+/- 18.5527
9	Phentermine (a,a-Dimethylphenethylamine)	122-09-8 *	231012JLM	99%	1,002.0 µg/mL	+/- 18.5527
10	Quinoline	91-22-5.SEC	H15Y033	99%	1,000.0 µg/mL	+/- 18.5156
11	N-Nitrosodi-n-butylamine	924-16-3.SEC	15225800	99%	1,000.0 µg/mL	+/- 18.5156
12	1,4-Phenylenediamine	106-50-3.SEC	4RPQC	99%	1,000.0 µg/mL	+/- 18.5156
13	1,4-Dinitrobenzene	100-25-4.SEC	RP230814S	99%	1,004.0 µg/mL	+/- 18.5897
14	1-Naphthylamine (1-aminonaphthalene)	134-32-7.SEC	RP220413	99%	1,001.0 µg/mL	+/- 18.5342
15	2-Naphthylamine (2-aminonaphthalene)	91-59-8.SEC	14839100	97%	1,002.0 µg/mL	+/- 18.5529

16	5-Nitro-o-toluidine	99-55-8.SEC	FHM03	99%	1,003.0	µg/mL	+/-	18.5712
17	1,3,5-Trinitrobenzene	99-35-4.SEC	17599	99%	1,000.0	µg/mL	+/-	18.5156
18	Phenacetin	62-44-2.SEC	NU3QA	99%	1,001.0	µg/mL	+/-	18.5342
19	4-Aminobiphenyl	92-67-1.SEC	81202620	99%	1,000.0	µg/mL	+/-	18.5156
20	Propyzamide	23950-58-5.SEC	BCCJ3170	99%	1,004.0	µg/mL	+/-	18.5897
21	Pentachloronitrobenzene (quintozene)	82-68-8.SEC	G990774	99%	1,000.0	µg/mL	+/-	18.5156
22	4-Nitroquinoline-N-oxide	56-57-5.SEC	I2DRK	99%	1,001.0	µg/mL	+/-	18.5342
23	p-Dimethylaminoazobenzene	60-11-7.SEC	RP220411S	99%	1,003.0	µg/mL	+/-	18.5712
24	3,3'-Dimethylbenzidine (o-tolidine)	119-93-7.SEC	RP220405S	99%	1,004.0	µg/mL	+/-	18.5897
25	2-Acetylaminofluorene	53-96-3.SEC	11324500	99%	1,003.0	µg/mL	+/-	18.5712
26	4,4'-Methylene-bis(2-chloroaniline)	101-14-4.SEC	RP220407S	96%	1,003.2	µg/mL	+/-	18.5749
27	Dibenz(a,h)acridine	226-36-8.SEC	CM-710-188-1	99%	1,003.0	µg/mL	+/-	18.5712

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

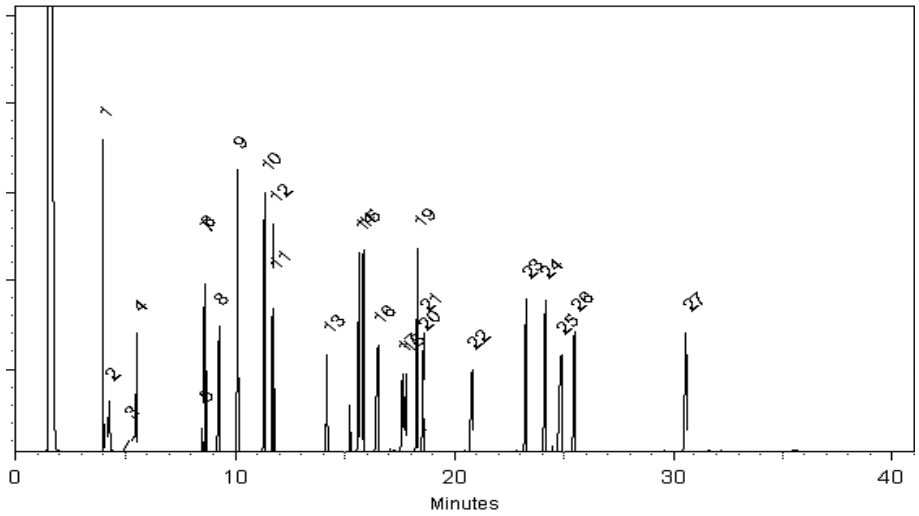
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Matt Fragassi - Mix Technician

Date Mixed: 06-Aug-2024 **Balance Serial #** 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 20-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MS_RES_ICV5_00014

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569733.SEC **Lot No.:** A0215414

Description : 8270 List 2 / Std #2 (2015)

8270 List 2 / Std #2 (2015) 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2025 **Storage:** -20°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl methanesulfonate	66-27-3.SEC	LO7ZB	99%	1,008.0 µg/mL	+/- 23.1406
2	Ethyl methanesulfonate	62-50-0.SEC	10207660	99%	1,008.0 µg/mL	+/- 23.1406
3	Pentachloroethane	76-01-7.SEC	817964	97%	999.1 µg/mL	+/- 22.9363
4	Hexachloropropene	1888-71-7.SEC	I4690500	98%	1,009.4 µg/mL	+/- 23.1727
5	Isosafrole (cis & trans) 12% cis; 88% trans	120-58-1.SEC	6732500	99%	1,008.0 µg/mL	+/- 23.1406
6	1-Chloronaphthalene	90-13-1 *	TXRHO	98%	1,007.4 µg/mL	+/- 23.1277
7	1,4-Naphthoquinone	130-15-4.SEC	FQB5E	99%	1,002.0 µg/mL	+/- 23.0028
8	Pentachlorobenzene	608-93-5.SEC	14839000	98%	1,003.5 µg/mL	+/- 23.0377
9	2,3,5,6-Tetrachlorophenol	935-95-5.SEC	RP231027RSR	99%	1,002.0 µg/mL	+/- 23.0028
10	Dinoseb	88-85-7.SEC	14147400	99%	1,004.0 µg/mL	+/- 23.0487
11	Isodrin	465-73-6.SEC	G1388008	99%	1,002.0 µg/mL	+/- 23.0028
12	Chlorobenzilate	510-15-6.SEC	G171850	99%	1,008.0 µg/mL	+/- 23.1406
13	7,12-Dimethylbenz(a)anthracene	57-97-6.SEC	10589600	99%	1,004.0 µg/mL	+/- 23.0487

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

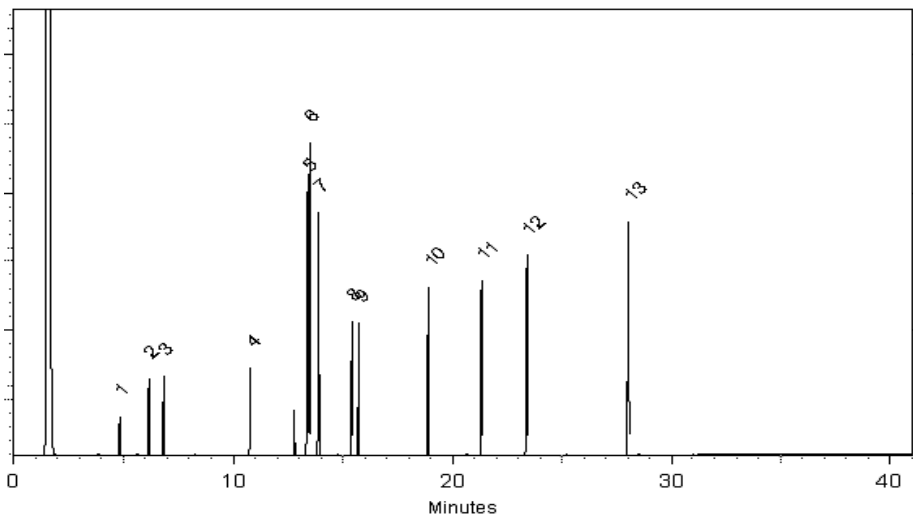
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 20-Aug-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 22-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MS_RES_ICV7_00006

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567681.SEC **Lot No.:** A0214408

Description : 8270 List 2 / Std #4

8270 List 2 / Std #4 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o,o,o-Triethyl phosphorothioate	126-68-1 *	2-KRR-57-1	98%	1,003.5 µg/mL	+/- 45.8129
2	Safrole	94-59-7.SEC	793000	99%	1,008.0 µg/mL	+/- 46.0175
3	Zinophos (thionazine)	297-97-2.SEC	G1302249	99%	1,006.0 µg/mL	+/- 45.9262
4	Sulfotepp	3689-24-5.SEC	G1018121	99%	1,002.0 µg/mL	+/- 45.7435
5	Diallate (cis and trans) 75% cis-Isomer; 25% trans-Isomer	2303-16-4.SEC	G1112714	96%	1,000.3 µg/mL	+/- 45.6668
6	Phorate	298-02-2.SEC	G1394764	98%	1,005.5 µg/mL	+/- 45.9024
7	Dimethoate	60-51-5.SEC	G1209610	99%	1,004.0 µg/mL	+/- 45.8348
8	Disulfoton	298-04-4.SEC	G1016814	99%	1,008.0 µg/mL	+/- 46.0175
9	Methyl parathion	298-00-0.SEC	G1143686	98%	1,001.6 µg/mL	+/- 45.7235
10	Parathion (ethyl parathion)	56-38-2.SEC	G166343	99%	1,006.0 µg/mL	+/- 45.9262
11	Aramite 2% Isomer 1; 2% Isomer 2; 36% Isomer 3; 60% Isomer 4	140-57-8 *	15149600	99%	1,002.0 µg/mL	+/- 45.7435
12	Famphur	52-85-7.SEC	G150065	98%	1,001.6 µg/mL	+/- 45.7235

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

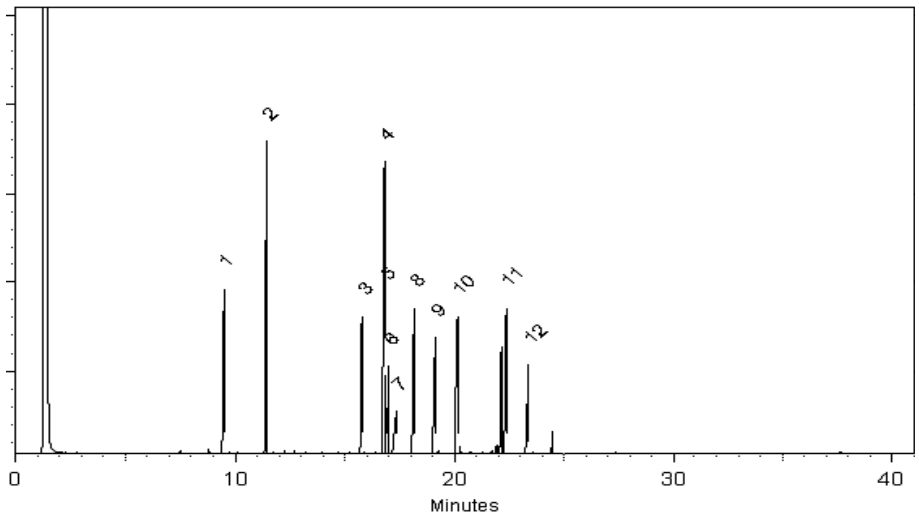
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 25-Jul-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

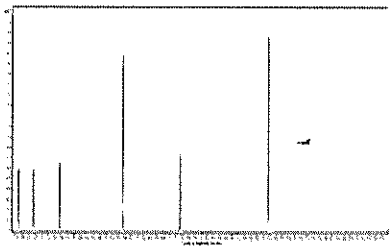
Reagent

MSS_8270_SURR_00007

Certificate of Analysis - Certified Reference Material

EPA 8270 Surrogate Standard

Product no.: CRM47960
Lot no.: LRAD7196
Expiry Date: December 2026
Manufacturing Date: November 2023
Storage: REFRIGERATE (2 °C to 8 °C)
Solvent/Matrix: DICHLOROMETHANE
Certificate version: LRAD7196.01 *(Note: Certificates may be updated due to the availability of new data. Check our website at: www.sigma-aldrich.com for the most current version.)*



Certified Values:

Analyte	*Certified Value*	*Units*	*Raw Material Purity,%*	*Raw Material Lot*
2-FLUOROPHENOL CAS# 367-12-4	4000 ± 92	µg/mL	99.9	STBJ2508
PHENOL-D6 CAS# 13127-88-3	4000 ± 95	µg/mL	99.6	MBBD4866
NITROBENZENE-D5 CAS# 4165-60-0	4000 ± 125	µg/mL	99.9	LB83753
2-FLUOROBIPHENYL CAS# 321-60-8	4000 ± 102	µg/mL	99.9	MKCS4107
2,4,6-TRIBROMOPHENOL CAS# 118-79-6	4000 ± 181	µg/mL	99.7	LB81262
P-TERPHENYL-D14 CAS# 1718-51-0	4000 ± 110	µg/mL	99.9	MBBD6075

ASSAY Method

METHOD: GC (IN-HOUSE)
Column: SLB-5ms, 30 m × 0.25 mm I.D., 0.25 µm film thickness
Carrier Gas: He Flow Rate: 1.0 mL/min
Inlet Temperature: 270 °C Injection Volume: 0.5 µL
Injection Mode: Split Ratio: 100:1
Temperature Program: 100 °C (Hold 1 min) @ 20 °C/min to 280 °C (Hold 4 min)
Detector: MSD Full Scan (40 – 400 m/z); Solvent Delay: 2.0 min Temperature: 280 °C; Quadrupole: 150 °C; Ion Source: 230 °C

Reagent

MSS_AB_24DNP_00009

CERTIFIED WEIGHT REPORT

Part Number: 70159
Lot Number: 011224
Description: 2,4-Dinitrophenol

Expiration Date: 011229
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

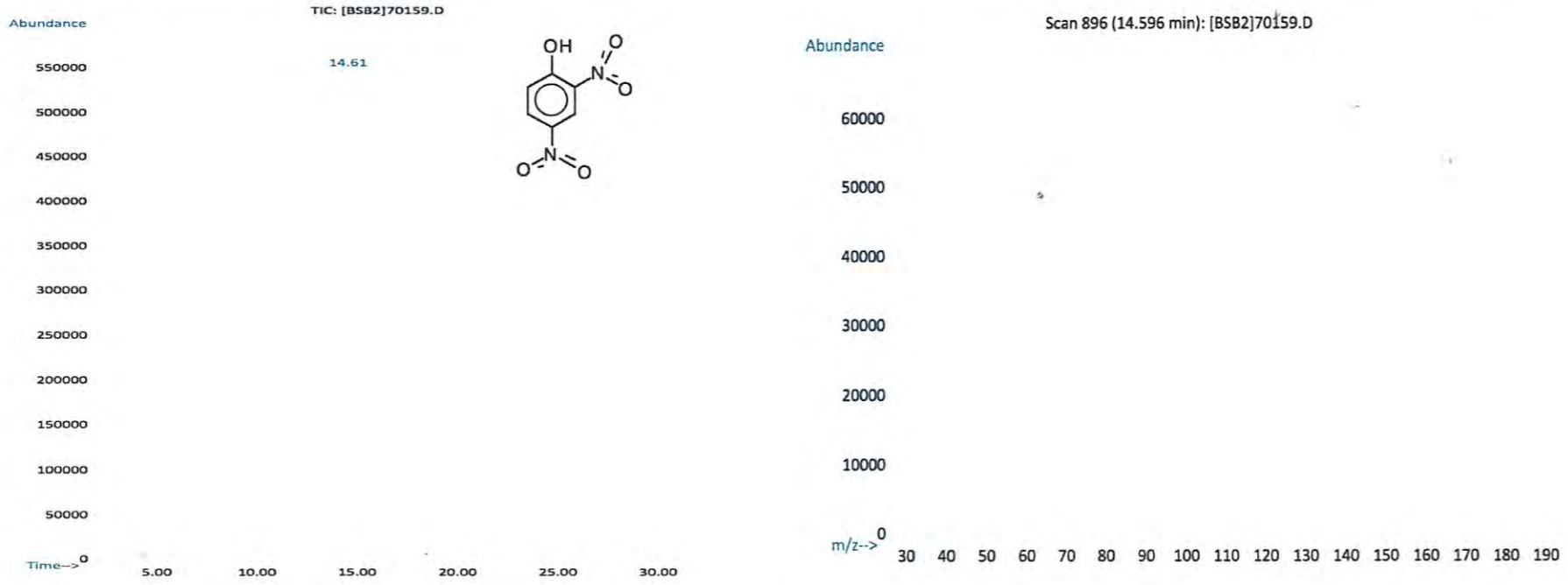
Solvent(s): Methanol **Lot#** EH471-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By:	Eli Aliaga	011224 DATE
Reviewed By:	Pedro L. Rentas	011224 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2,4-Dinitrophenol	159	011719	1000	98	0.2	0.10207	0.10213	1000.6	4.2	51-28-5	N/A	orl-rat 30mg/kg

Method GC8MSD-3.M: Column: (30m X 0.25mm ID X 0.25µm film thickness), Temp 1 = 50°C (1min.), Temp 2 = 300°C (4 min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 300°C. Analysis performed by Melissa Stonier.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_46D2MP_00006

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 70158
Lot Number: 082824
Description: 4,6-Dinitro-2-methylphenol

Solvent(s): **Lot#**
Methanol EH869-US

Expiration Date: 082829
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

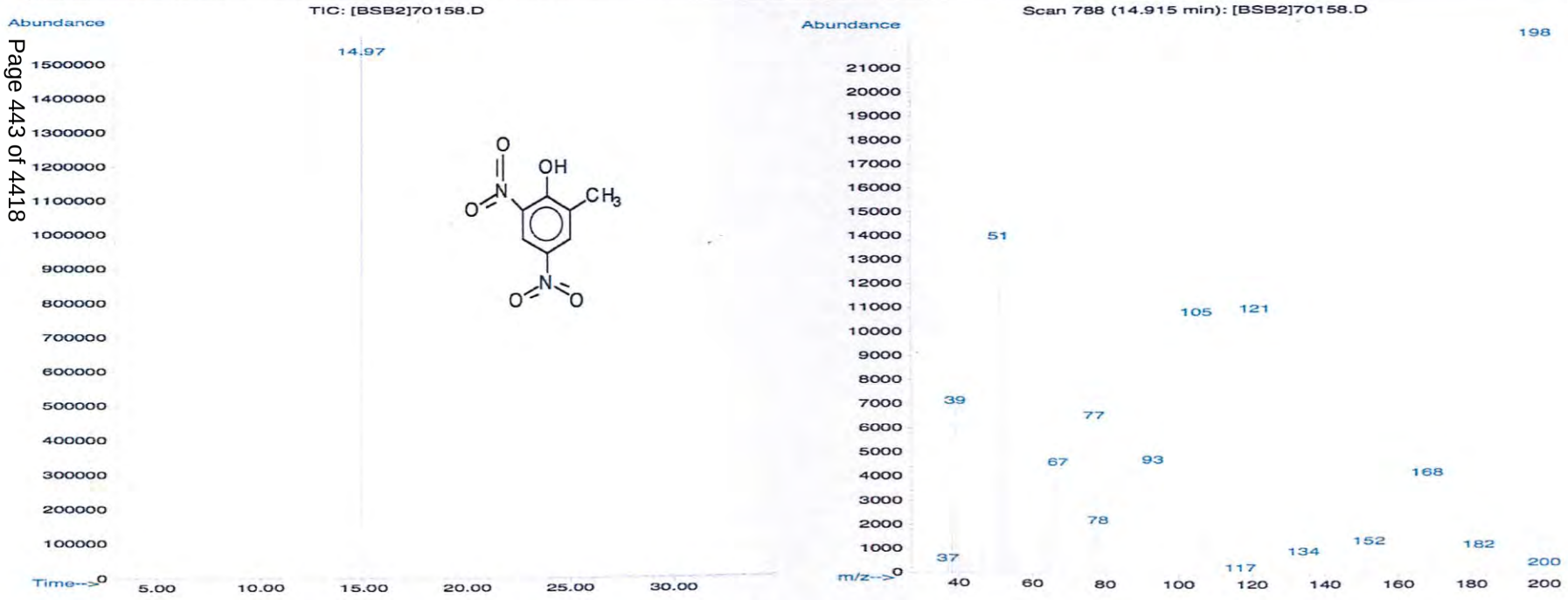
Weight(s) shown below were combined and diluted to (mL): 50.0

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	082824 DATE
Reviewed By:	Pedro L. Rentas	082824 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 4,6-Dinitro-2-methylphenol	158	BCCJ7293	1000	99.8	0.2	0.05013	0.05023	1002.0	4.5	534-52-1	N/A	N/A

Method GC18MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Melissa Stonier



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_4NP_00006

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

09/19/2025

CERTIFIED WEIGHT REPORT

Part Number: 70231
Lot Number: 021323
Description: 4-Nitrophenol

Expiration Date: 021328
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

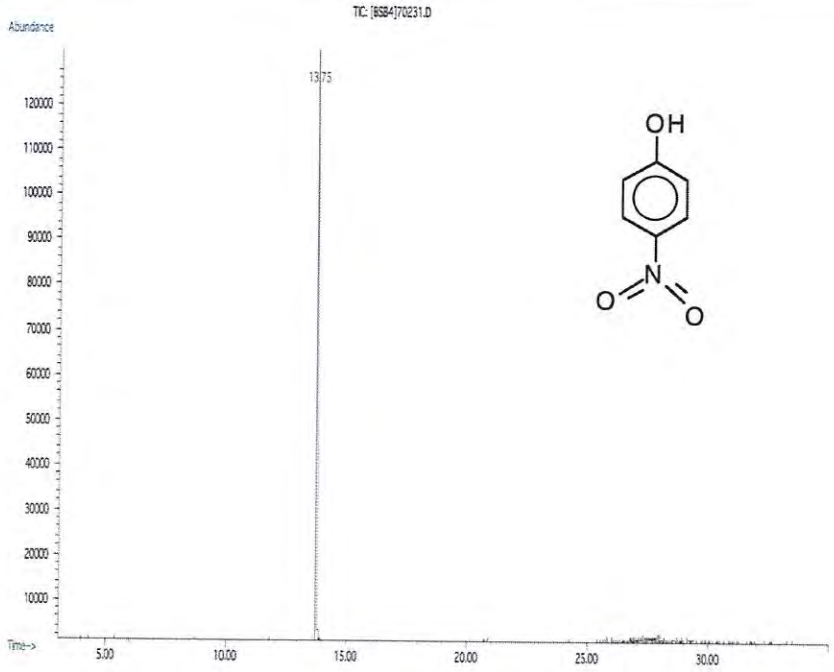
Solvent(s): **Lot#**
Methanol EF282-US

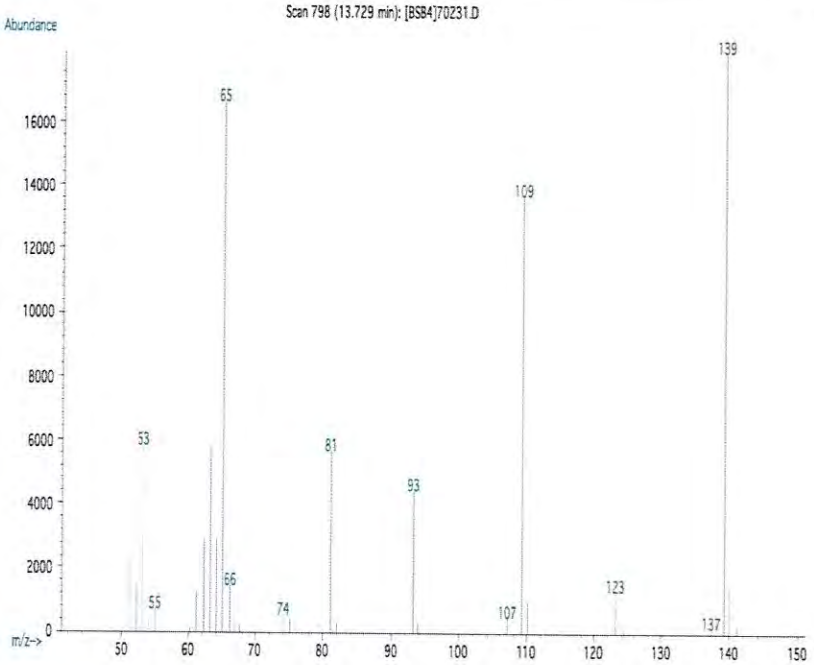
Formulated By:	Benson Chan	021323 DATE
Reviewed By:	Pedro L. Rentas	021323 DATE

5E-05	Balance Uncertainty	
Weight(s) shown below were combined and diluted to (mL):	100.0	0.012 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 4-Nitrophenol	231	FGM01	1000	99	0.2	0.10101	0.10123	1002.1	4.2	100-02-7	N/A	orl-rat 250mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_BZIDIN_00011

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 43124
Lot Number: 102722
Description: Benzidine

Solvent: Methylene chloride **Lot#** C21F09CAS0000DCM

Expiration Date: 102725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

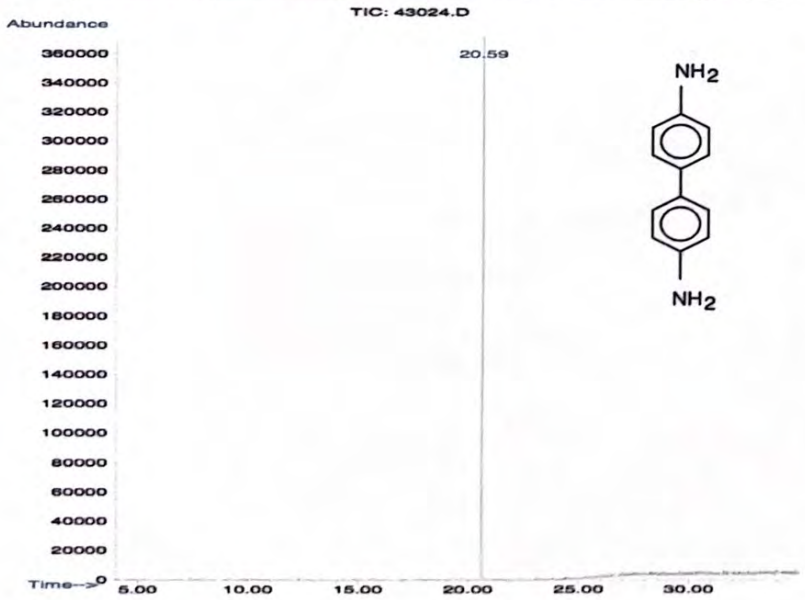
Weight(s) shown below were combined and diluted to (mL): 30.0

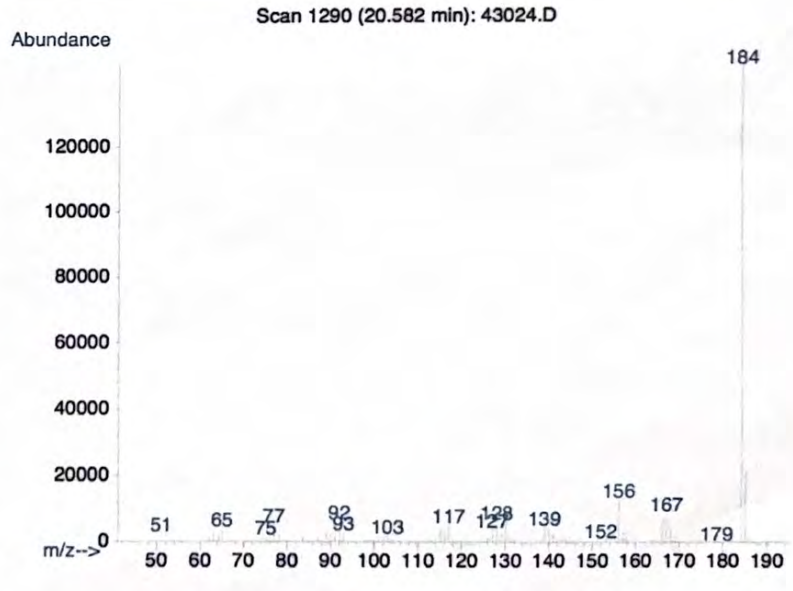
5E-05 Balance Uncertainty
0.0003 Flask Uncertainty

Formulated By:	Prashant Chauhan	102722 DATE
Reviewed By:	Pedro L. Rentas	102722 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Benzidine	27	SLBH5327V	5000	98	0.2	0.15314	0.15324	5003.1	20.7	92-87-5	N/A	orl-rat 309mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Nicole Davis.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_BZIDIN_00012

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 43124
Lot Number: 100724
Description: Benzidine

Expiration Date: 100727
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

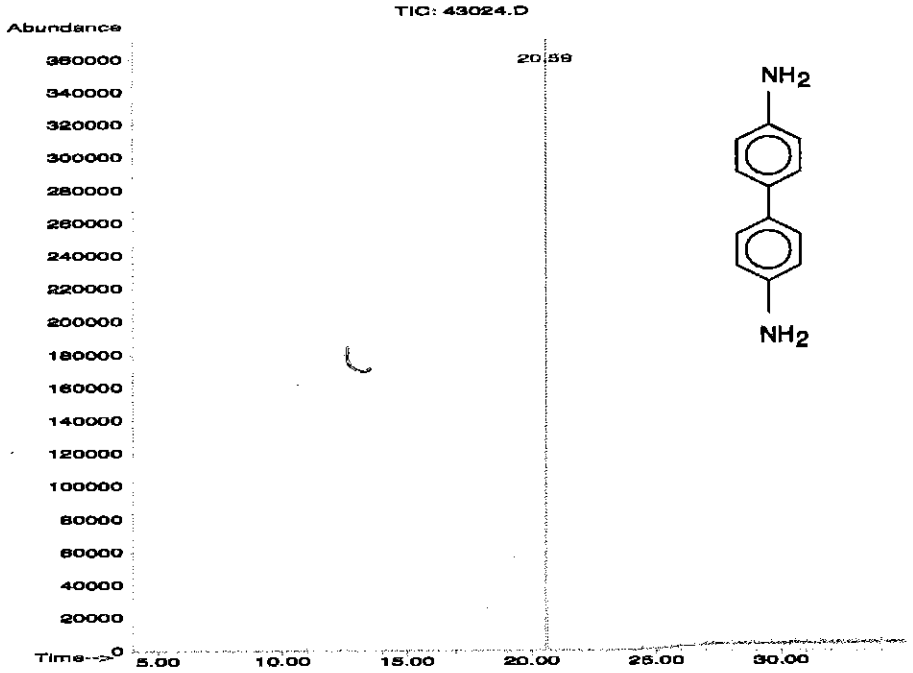
Solvent: Methylene chloride **Lot#** 23030243

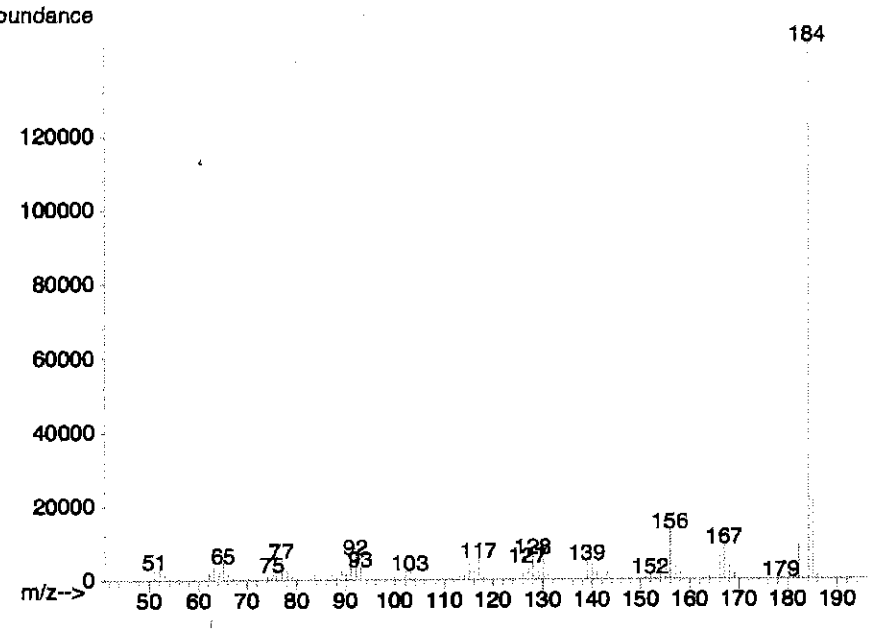
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.002 Flask Uncertainty

		100724
Formulated By:	Anthony Mahoney	DATE
		100724
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Benzidine	27	SLBH5327V	5000	98	0.2	0.15317	0.15346	5009.6	20.7	92-87-5	N/A	orl-rat 309mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Nicole Davis.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_DFTPP_00016

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

09/19/2025

CERTIFIED WEIGHT REPORT

Part Number: 43030
Lot Number: 072022
Description: CLP Semi-Volatile Tuning Standard
4 components
Expiration Date: 072025
~~Recommended Storage:~~ ~~Refrigerate (4 °C)~~
Nominal Concentration (µg/mL): 500
NIST Test ID#: 6UTB

Solvent(s): Methylene chloride **Lot#** 105345

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0

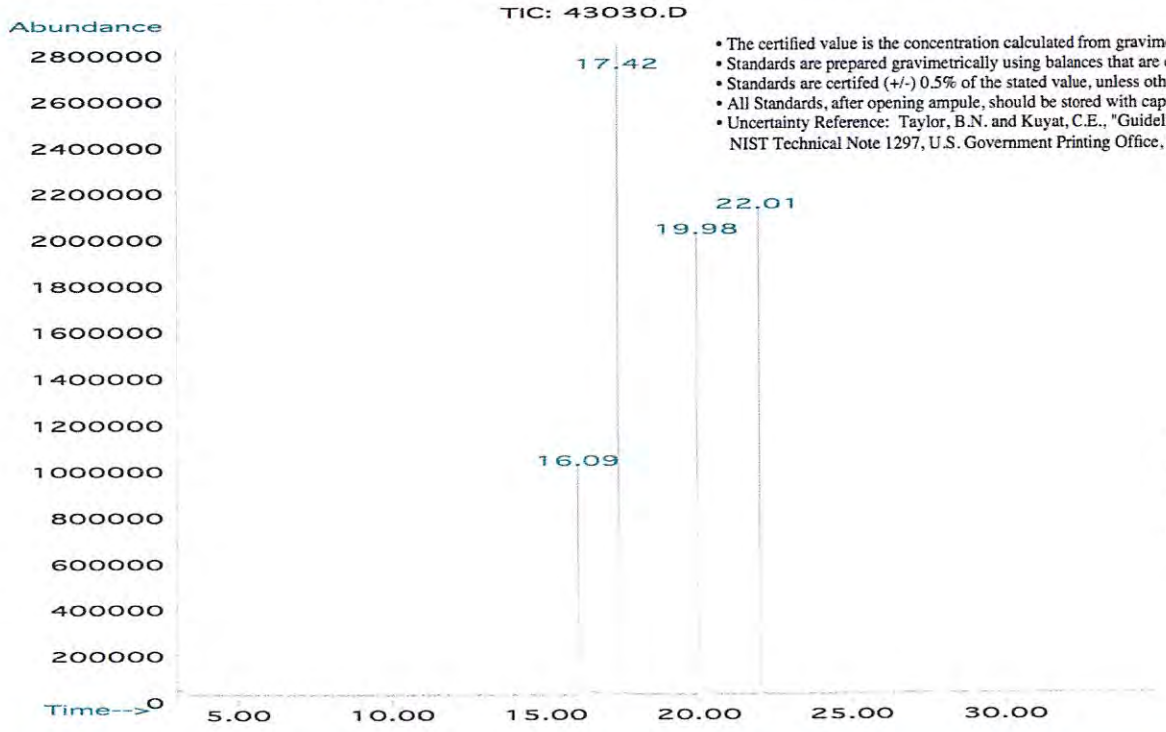
CAUTION: Sonicate Before Use

Gabriel Helland 072022
Formulated By: Gabriel Helland DATE

Pedro Rentas 072022
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	SDS Information (Solvent Safety Info. On Attached pg.) OSHA PEL (TWA)	LD50
1. Benzidine	27	SLBH5327V	500	98	0.2	0.10205	0.10215	500.5	2.1	92-87-5	N/A	orl-rat 309mg/kg
2. 4,4'-DDT	101	04029MM	500	99	0.2	0.10102	0.10106	500.2	2.1	50-29-3	N/A	orl-rat 87mg/kg
3. Decafluorotriphenylphosphine	105	10220909	500	97	0.2	0.10311	0.10327	500.8	2.1	5074-71-5	N/A	N/A
4. Pentachlorophenol	243	06324ED	500	98	0.2	0.10205	0.10222	500.8	2.1	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Retention Time (min.)

Pentachlorophenol	16.09
Decafluorotriphenylphosphine	17.42
Benzidine	19.98
4,4'-DDT	22.01

Reagent

MSS_AB_DFTPP_00018

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 43030
Lot Number: 102124
Description: CLP Semi-Volatile Tuning Standard
4 components
Expiration Date: 102127
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 500
NIST Test ID#: 6UTB

Solvent(s): Methylene chloride **Lot#** 23343

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

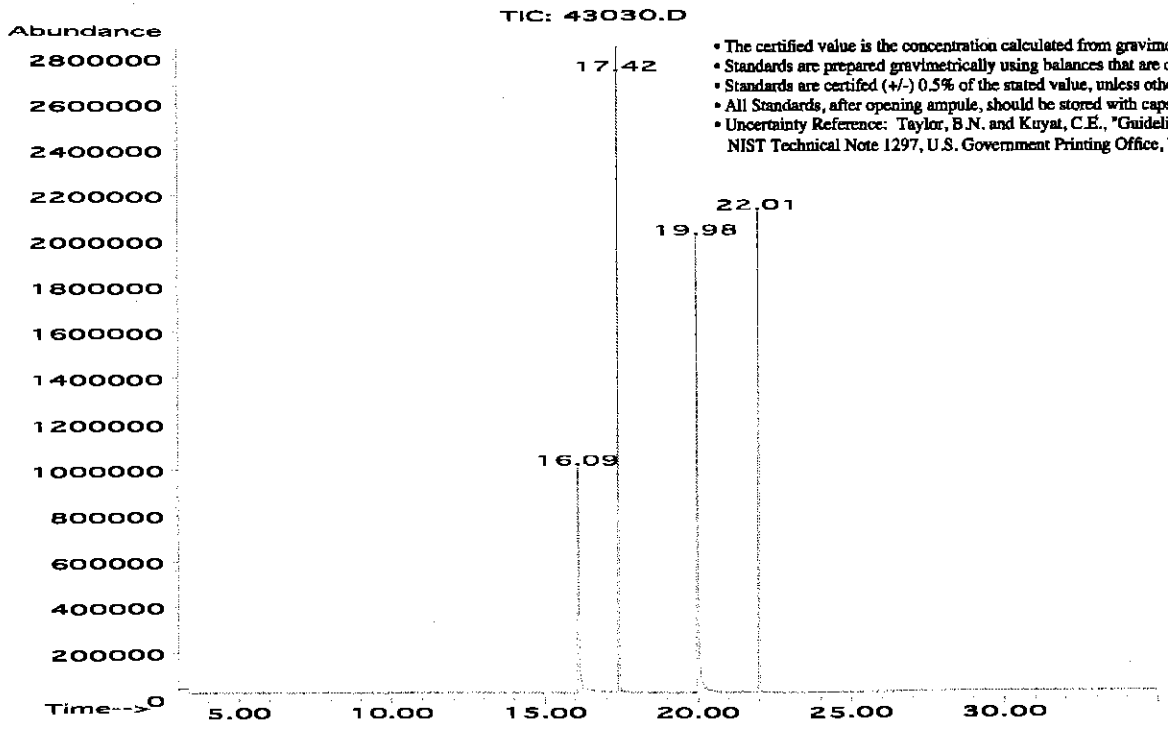
Formulated By: Lawrence Barry	102124 DATE
Reviewed By: Pedro L. Rentas	102124 DATE

CAUTION: Sonicate Before Use

RM#/LOT# CHECK

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Benzidine	27	SLBH5327V	500	98	0.2	0.10206	0.10216	500.5	2.1	92-87-5	N/A	orl-rat 309mg/kg
2. 4,4'-DDT	101	04029MM	500	99	0.2	0.10103	0.10114	500.5	2.1	50-29-3	N/A	orl-rat 87mg/kg
3. Decafluorotriphenylphosphine	105	10220909	500	97	0.2	0.10311	0.10323	500.6	2.1	5074-71-5	N/A	N/A
4. Pentachlorophenol	243	06324ED	500	98	0.2	0.10206	0.10218	500.6	2.1	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Retention Time (min.)	
Pentachlorophenol	16.09
Decafluorotriphenylphosphine	17.42
Benzidine	19.98
4,4'-DDT	22.01

Reagent

MSS_AB_FAMPHU_00008

CERTIFIED WEIGHT REPORT

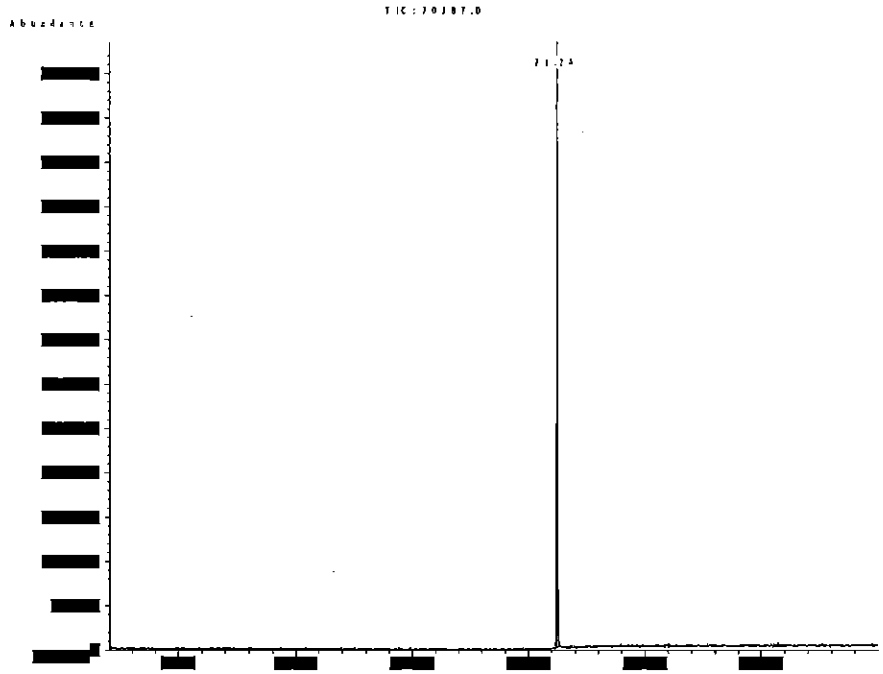
Part Number:	70387		**Solvent:**	**Lot#**	
Lot Number:	041124		Methanol	EH299-US	
Description:	Famphur				
Expiration Date:	041127				
Recommended Storage:	Freezer (0 °C)				
Nominal Concentration (µg/mL):	1000				
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty		
Weight(s) shown below were combined and diluted to (mL):	25.0	0.004	Flask Uncertainty		

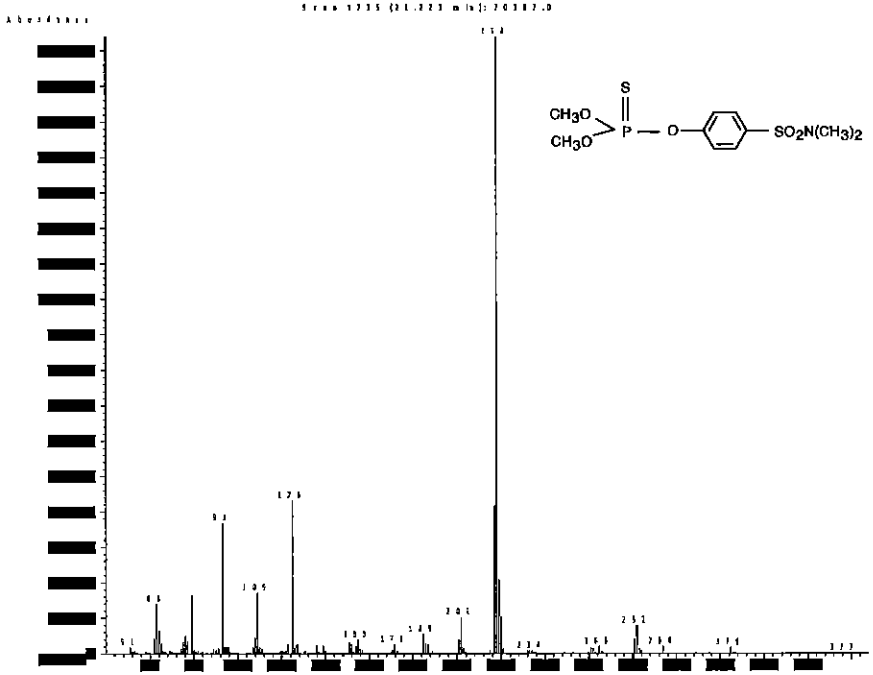
Formulated By: Prashant Chauhan — 041124 — DATE

Reviewed By: Pedro L. Rentas — 041124 — DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Famphur	387	10851000	1000	98.2	0.5	0.02547	0.02560	1005.1	11.0	52-85-7	N/A	orl-rat 28mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_KEPONE_00005

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

09/19/2025

CERTIFIED WEIGHT REPORT

Part Number: 70433
Lot Number: 011821
Description: Kepone

Expiration Date: 011826
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 23060

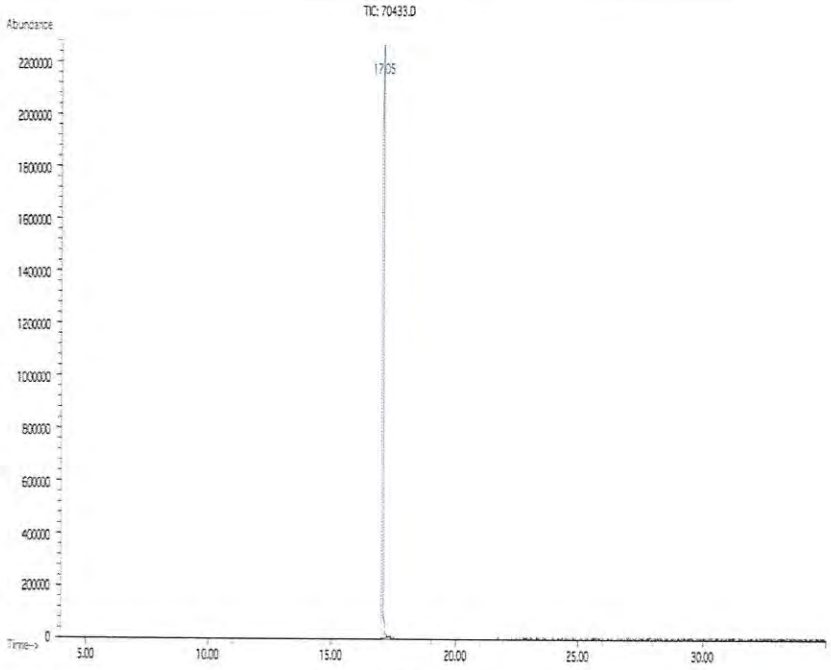
Solvent(s): **Lot#**
Acetone 81025

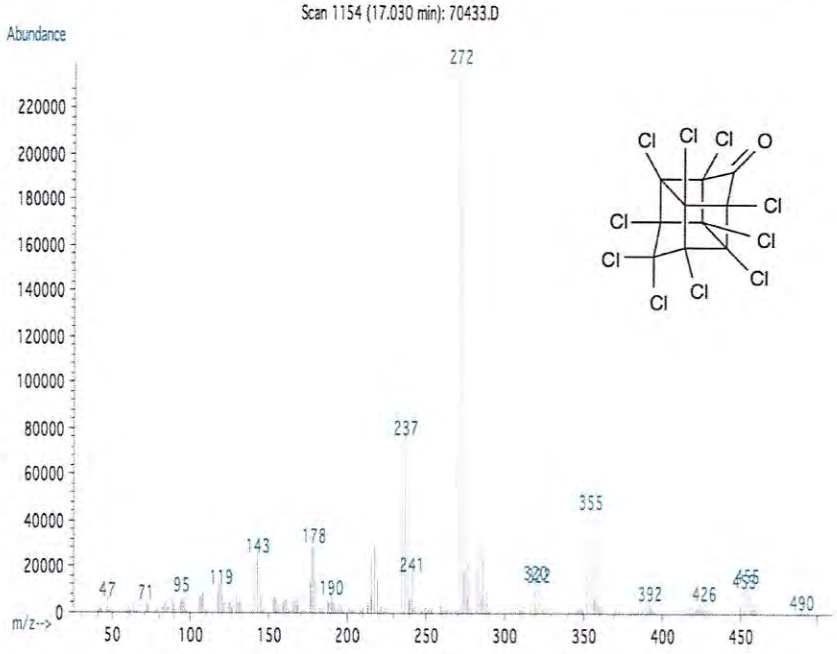
		011821
Formulated By:	Benson Chan	DATE
		011821
Reviewed By:	Pedro L. Rentas	DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.057 Flask Uncertainty 5E-05 Balance Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Kepone	433	020191JC	1000	99	0.2	0.10102	0.10120	1001.8	4.3	143-50-0	N/A	N/A

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_METH_00006

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 70402
Lot Number: 010324
Description: Methapyrilene hydrochloride

Solvent(s): Methanol **Lot#** EH485-US

Expiration Date: 010327
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

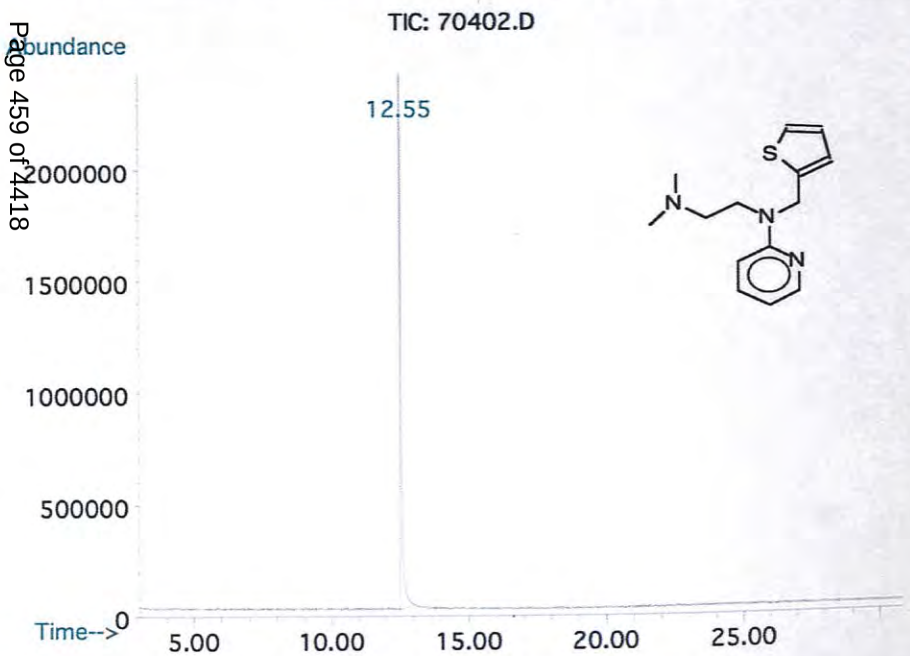
5E-05 Balance Uncertainty
0.0038 Flask Uncertainty

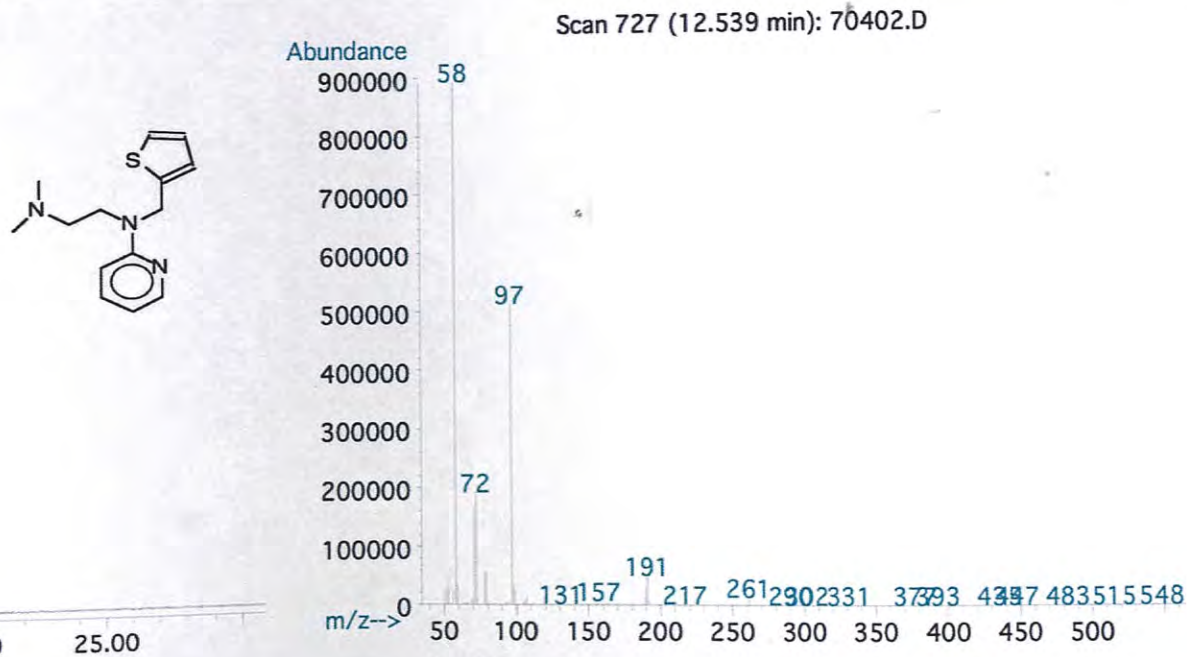
Weight(s) shown below were combined and diluted to (mL): 25.0

Prashant Chauhan	010324
Formulated By: Prashant Chauhan	DATE
Pedro L. Rentas	010324
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Methapyrilene hydrochloride	402	37F-0929	1000	99	0.2	0.02527	0.02540	1005.3	5.7	135-23-9	N/A	orl-rat 521mg/kg

Method GC8MSD-7.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Gina McLane.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- Standards are stored with caps tight and under appropriate laboratory conditions.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_PCP_00004

09/19/2022

CERTIFIED WEIGHT REPORT

Part Number: 79261
Lot Number: 062222
Description: Pentachlorophenol

Expiration Date: 062227
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Solvent(s):	Lot#
Acetone	81025

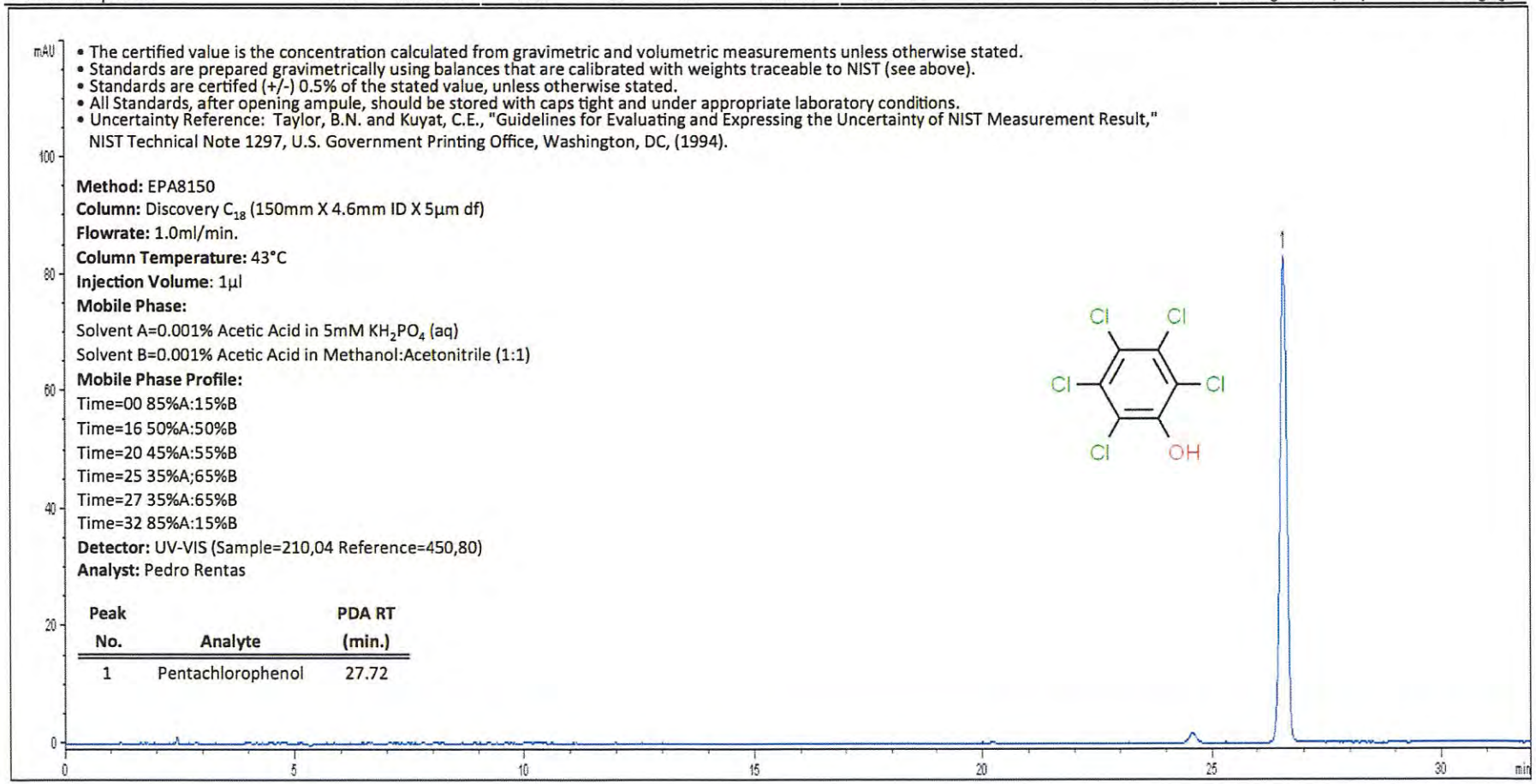
Formulated By:	Benson Chan	062222 DATE
Reviewed By:	Pedro L. Rentas	062222 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Pentachlorophenol	243	06324ED	1000	98	0.2	0.05106	0.05112	1001.1	4.5	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method: EPA8150
Column: Discovery C_{18} (150mm X 4.6mm ID X 5µm df)
Flowrate: 1.0ml/min.
Column Temperature: 43°C
Injection Volume: 1µl
Mobile Phase:
Solvent A=0.001% Acetic Acid in 5mM KH_2PO_4 (aq)
Solvent B=0.001% Acetic Acid in Methanol:Acetonitrile (1:1)
Mobile Phase Profile:
Time=00 85%A:15%B
Time=16 50%A:50%B
Time=20 45%A:55%B
Time=25 35%A;65%B
Time=27 35%A:65%B
Time=32 85%A:15%B
Detector: UV-VIS (Sample=210,04 Reference=450,80)
Analyst: Pedro Rentas



Peak No.	Analyte	PDA RT (min.)
1	Pentachlorophenol	27.72

Page 461 of 4418

Reagent

MSS_FV8270_IS_00006

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 576940 **Lot No.:** A0200416

Description : Custom Internal Standard

Custom Internal Standard 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	1,005.6 µg/mL	+/- 45.2921
2	Naphthalene-d8	1146-65-2	M-2180	99%	1,005.4 µg/mL	+/- 45.2846
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	1,005.3 µg/mL	+/- 45.2771
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	1,005.1 µg/mL	+/- 45.2696
5	Pyrene-d10	1718-52-1	PR-30304	99%	1,005.2 µg/mL	+/- 45.2733
6	Perylene-d12	1520-96-3	PR-33205	99%	1,005.3 µg/mL	+/- 45.2771

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

MSS_FV8270_IS_00007

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 576940 **Lot No.:** A0221275

Description : Custom Internal Standard

Custom Internal Standard 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	1,003.0 µg/mL	+/- 45.1922
2	Naphthalene-d8	1146-65-2	M-2180	99%	1,005.0 µg/mL	+/- 45.2823
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	1,003.0 µg/mL	+/- 45.1922
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	1,000.0 µg/mL	+/- 45.0570
5	Pyrene-d10	1718-52-1	PR-30304	99%	1,000.0 µg/mL	+/- 45.0570
6	Perylene-d12	1520-96-3	PR-33205	99%	1,006.0 µg/mL	+/- 45.3273

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

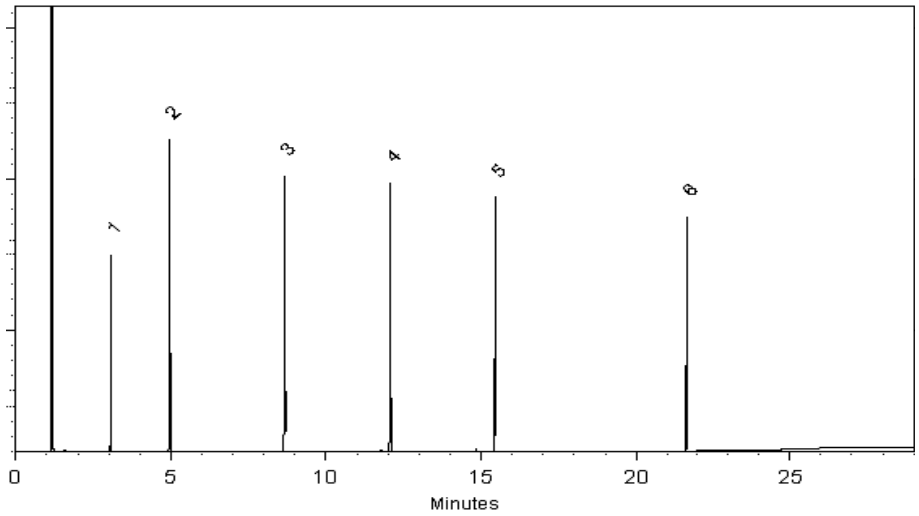
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I

Date Mixed: 20-Jan-2025 **Balance Serial #** 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 24-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSS_FV8270_IS_00009

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 576940 **Lot No.:** A0223654

Description : Custom Internal Standard

Custom Internal Standard 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	1,007.7 µg/mL	+/- 45.3889
2	Naphthalene-d8	1146-65-2	M-2180	99%	1,006.3 µg/mL	+/- 45.3229
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	1,006.9 µg/mL	+/- 45.3499
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	1,007.9 µg/mL	+/- 45.3949
5	Pyrene-d10	1718-52-1	PR-30304	99%	1,006.3 µg/mL	+/- 45.3259
6	Perylene-d12	1520-96-3	PR-33205	99%	1,007.6 µg/mL	+/- 45.3829

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

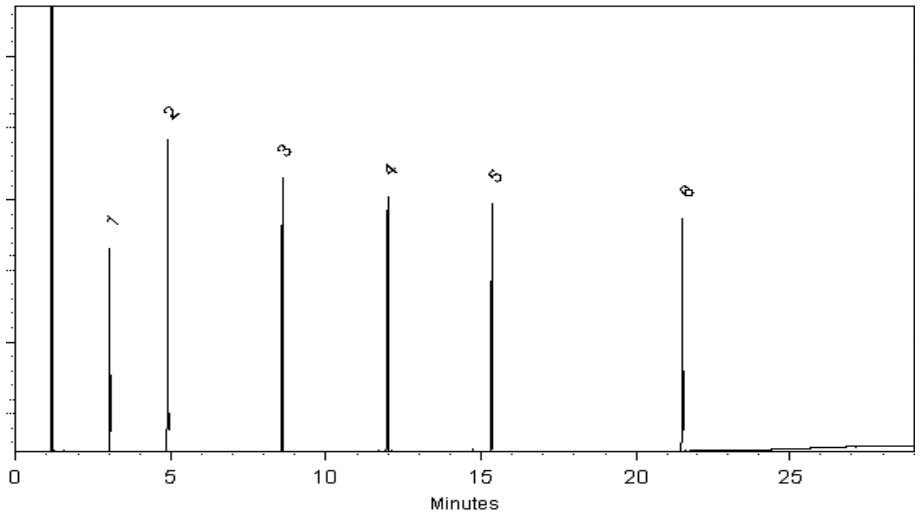
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 20-Mar-2025 **Balance Serial #** C322230531

Brittany Federinko - Operations Tech I

Date Passed: 25-Mar-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

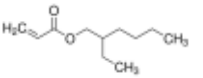
Reagent

MSV_2Eth6Acry_00001

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
2-Ethylhexyl acrylate - 98%, contains ≥0.001-≤0.11% monomethyl ether hydroquinone as stabilizer



Product Number:	**290815**
Batch Number:	**MKCN1302**
Brand:	ALDRICH
CAS Number:	103-11-7
MDL Number:	MFCD00009495
Formula:	C11H20O2
Formula Weight:	184.28 g/mol
Quality Release Date:	01 SEP 2020

Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Purity (GC)	≥ 97.5 %	99.6 %
Stabilizer Monomethyl Ether Hydroquinone (MEHQ)	0.001 - 0.110 %	0.002 %

Michael Grady, Manager
Quality Control
Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Reagent

MSV_8260_SS_01343

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30240 **Lot No.:** A0209669

Description : 8260A Surrogate Mix

8260A Surrogate Mix 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,508.3 µg/mL	+/- 140.9026
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,520.3 µg/mL	+/- 141.5767
3	Toluene-d8	2037-26-5	PR-34141	99%	2,518.3 µg/mL	+/- 141.4644
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000194533	99%	2,517.0 µg/mL	+/- 141.3941

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

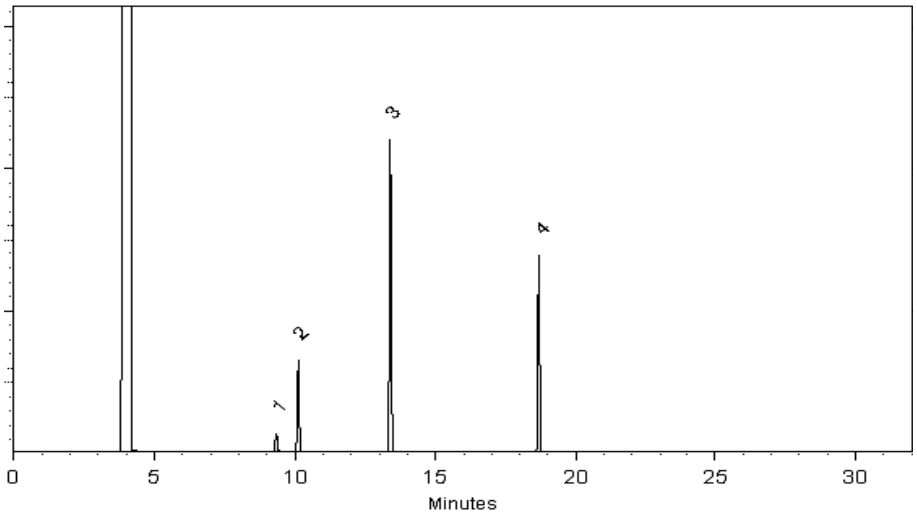
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 01-Apr-2024 **Balance Serial #** 1128342314

Dillan Murphy - Operations Technician I

Date Passed: 03-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_8260_SS_01374

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30240 **Lot No.:** A0213335

Description : 8260A Surrogate Mix

8260A Surrogate Mix 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,506.3 µg/mL	+/- 140.7903
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,503.5 µg/mL	+/- 140.6358
3	Toluene-d8	2037-26-5	PR-34141	99%	2,505.3 µg/mL	+/- 140.7341
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000194533	99%	2,506.0 µg/mL	+/- 140.7762

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

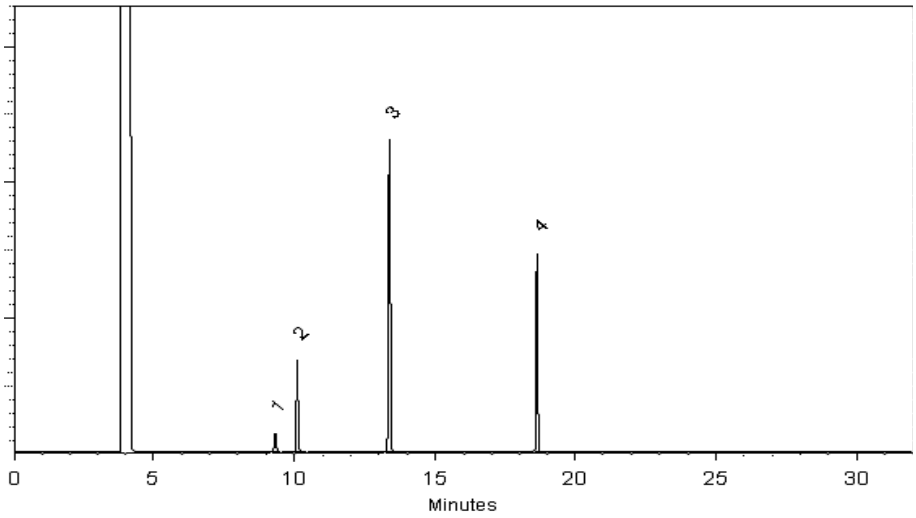
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 01-Jul-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Jul-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_8260_SS_01417

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30240 **Lot No.:** A0217887

Description : 8260A Surrogate Mix

8260A Surrogate Mix 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,515.3 µg/mL	+/- 141.2958
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,504.3 µg/mL	+/- 140.6779
3	Toluene-d8	2037-26-5	PR-34141	99%	2,513.8 µg/mL	+/- 141.2116
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	2,517.3 µg/mL	+/- 141.4082

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

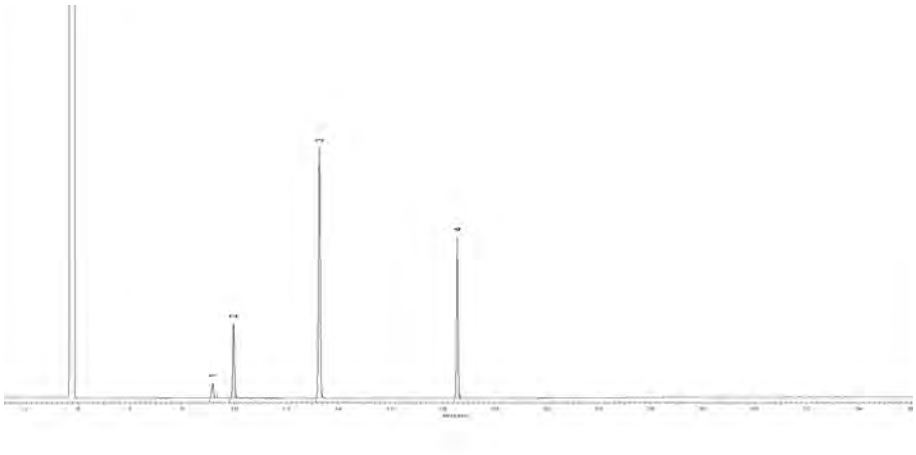
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Richard Zimmerman - Operations Tech I

Date Mixed: 15-Oct-2024 **Balance Serial #** B251644995

John Lidgett - AD Chemist

Date Passed: 23-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_8260_SS_01451

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30240 **Lot No.:** A0217887

Description : 8260A Surrogate Mix

8260A Surrogate Mix 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,515.3 µg/mL	+/- 141.2958
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,504.3 µg/mL	+/- 140.6779
3	Toluene-d8	2037-26-5	PR-34141	99%	2,513.8 µg/mL	+/- 141.2116
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	2,517.3 µg/mL	+/- 141.4082

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

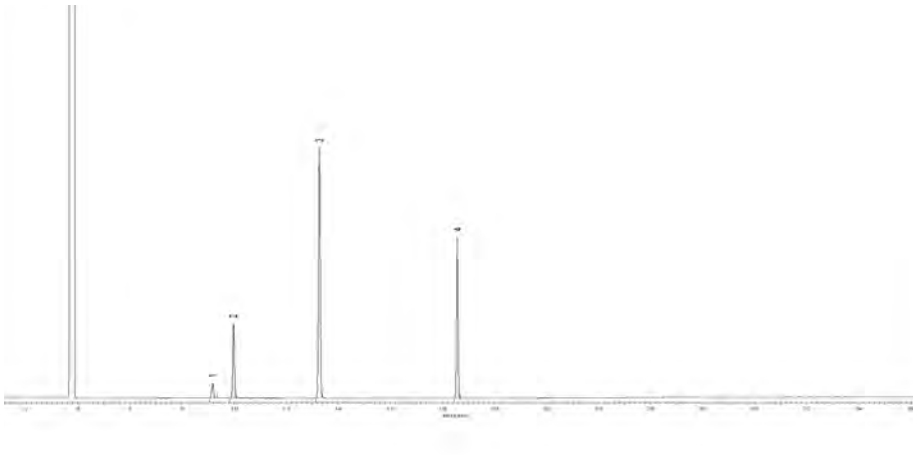
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Richard Zimmerman - Operations Tech I

Date Mixed: 15-Oct-2024 **Balance Serial #** B251644995

John Lidgett - AD Chemist

Date Passed: 23-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_8260_SS_01473

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30240 **Lot No.:** A0217887

Description : 8260A Surrogate Mix

8260A Surrogate Mix 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,515.3 µg/mL	+/- 141.2958
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,504.3 µg/mL	+/- 140.6779
3	Toluene-d8	2037-26-5	PR-34141	99%	2,513.8 µg/mL	+/- 141.2116
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	2,517.3 µg/mL	+/- 141.4082

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

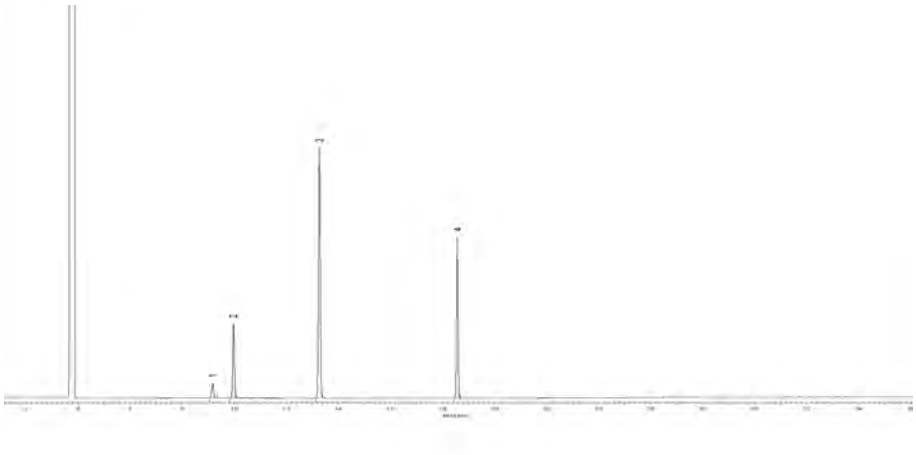
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Richard Zimmerman - Operations Tech I

Date Mixed: 15-Oct-2024 **Balance Serial #** B251644995

John Lidgett - AD Chemist

Date Passed: 23-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_8260_SS_01487

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30240 **Lot No.:** A0217887

Description : 8260A Surrogate Mix

8260A Surrogate Mix 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,515.3 µg/mL	+/- 141.2958
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,504.3 µg/mL	+/- 140.6779
3	Toluene-d8	2037-26-5	PR-34141	99%	2,513.8 µg/mL	+/- 141.2116
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	2,517.3 µg/mL	+/- 141.4082

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

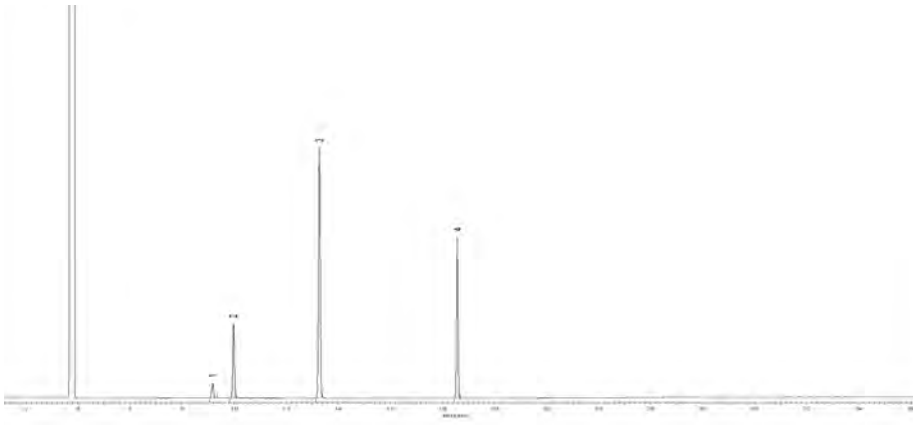
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Richard Zimmerman - Operations Tech I

Date Mixed: 15-Oct-2024 **Balance Serial #** B251644995

John Lidgett - AD Chemist

Date Passed: 23-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_AcetatesQ_00079

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577496 **Lot No.:** A0211385

Description : Custom Acetates.SEC Standard

Custom Acetates.SEC Standard 2,000-15,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** -20°C or colder

Ship: On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetonitrile	75-05-8.SEC	3ZDOE	99%	15,066.7 µg/mL	+/- 268.9903
2	Vinyl acetate	108-05-4.SEC	RD230301RSRA	98%	10,077.7 µg/mL	+/- 179.9200
3	Ethyl acetate	141-78-6.SEC	C386A-GG	99%	2,010.0 µg/mL	+/- 35.9325
4	Isopropyl acetate	108-21-4.SEC	FGL01	99%	2,010.0 µg/mL	+/- 35.9325
5	Propyl acetate	109-60-4.SEC	929400	99%	2,010.0 µg/mL	+/- 35.9325
6	Butyl acetate	123-86-4.SEC	V2L2G-GT	99%	2,010.0 µg/mL	+/- 35.9325

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution

immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

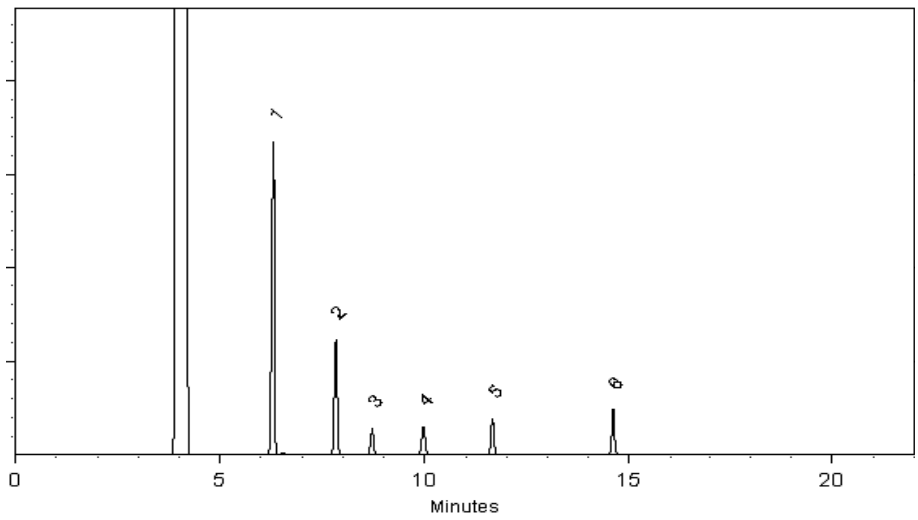
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Wilner Torres - Operation Tech I

Date Mixed: 14-May-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_AcetatesQ_00080

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577496 **Lot No.:** A0211385

Description : Custom Acetates.SEC Standard

Custom Acetates.SEC Standard 2,000-15,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** -20°C or colder

Ship: On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetonitrile	75-05-8.SEC	3ZDOE	99%	15,066.7 µg/mL	+/- 268.9903
2	Vinyl acetate	108-05-4.SEC	RD230301RSRA	98%	10,077.7 µg/mL	+/- 179.9200
3	Ethyl acetate	141-78-6.SEC	C386A-GG	99%	2,010.0 µg/mL	+/- 35.9325
4	Isopropyl acetate	108-21-4.SEC	FGL01	99%	2,010.0 µg/mL	+/- 35.9325
5	Propyl acetate	109-60-4.SEC	929400	99%	2,010.0 µg/mL	+/- 35.9325
6	Butyl acetate	123-86-4.SEC	V2L2G-GT	99%	2,010.0 µg/mL	+/- 35.9325

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution

immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

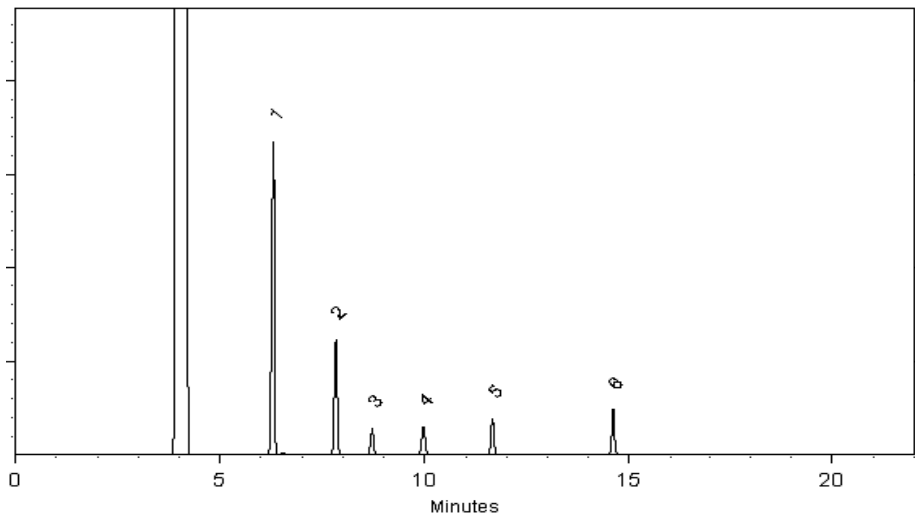
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Wilner Torres - Operation Tech I

Date Mixed: 14-May-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_AcetatesV_00087

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577489 **Lot No.:** A0211993

Description : Custom Acetates Standard

Custom Acetates Standard 10,000-50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** -20°C or colder

Ship: On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetonitrile	75-05-8	SHBR1054	99%	50,320.0 µg/mL	+/- 898.1594
2	Vinyl acetate	108-05-4	RD240423RSR	99%	10,060.0 µg/mL	+/- 179.6046
3	Ethyl acetate	141-78-6	SHBQ9682	99%	10,070.0 µg/mL	+/- 179.7831
4	Isopropyl acetate	108-21-4	BCCG7069	99%	10,076.7 µg/mL	+/- 179.9021
5	Propyl acetate	109-60-4	P8XLN	99%	10,070.0 µg/mL	+/- 179.7831
6	Butyl acetate	123-86-4	SHBR2024	99%	10,060.0 µg/mL	+/- 179.6046

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution

immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

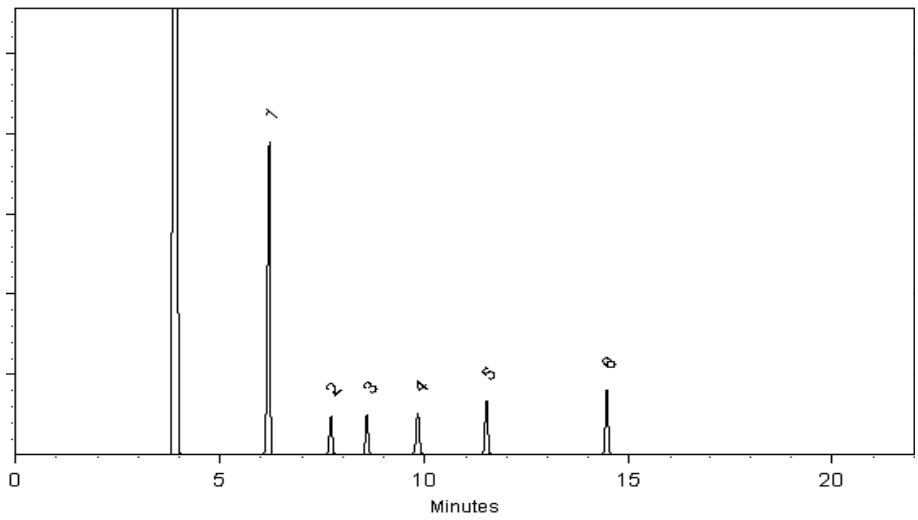
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 24-May-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577488 **Lot No.:** A0212054

Description : Custom Gases Standard

Custom Gases Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,016.7 µg/mL	+/- 114.0219
2	Chloromethane (methyl chloride)	74-87-3	SHBP8835	99%	2,015.3 µg/mL	+/- 115.0747
3	Vinyl chloride	75-01-4	00015559	99%	2,015.3 µg/mL	+/- 115.4962
4	1,3-Butadiene	106-99-0	00019375	99%	2,020.7 µg/mL	+/- 114.1301
5	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,025.3 µg/mL	+/- 114.3368
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,023.4 µg/mL	+/- 114.7120
7	Dichlorofluoromethane (CFC-21)	75-43-4	14485600	90%	2,019.6 µg/mL	+/- 113.4524
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,020.0 µg/mL	+/- 113.4748
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4	877500	99%	2,021.2 µg/mL	+/- 114.0989

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

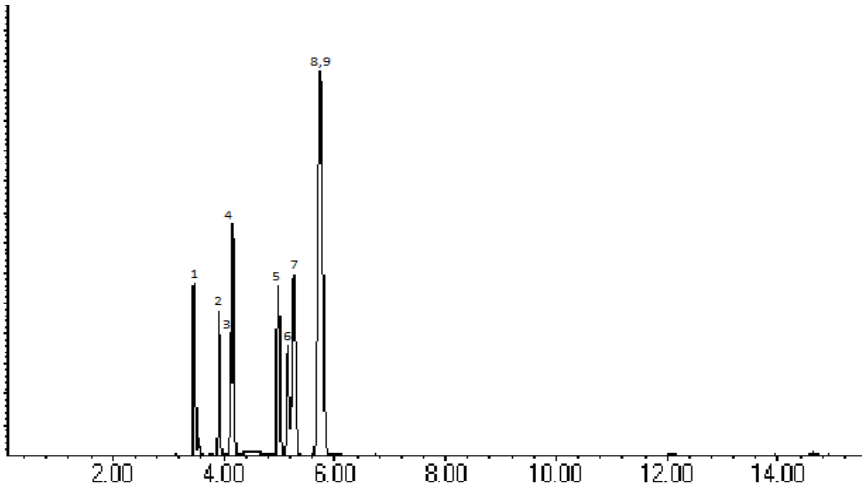
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 28-May-2024 **Balance Serial #** B251644995

Dillan Murphy - Operations Technician I

Date Passed: 03-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_AcetatesV_00089

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577489 **Lot No.:** A0211993

Description : Custom Acetates Standard

Custom Acetates Standard 10,000-50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** -20°C or colder

Ship: On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetonitrile	75-05-8	SHBR1054	99%	50,320.0 µg/mL	+/- 898.1594
2	Vinyl acetate	108-05-4	RD240423RSR	99%	10,060.0 µg/mL	+/- 179.6046
3	Ethyl acetate	141-78-6	SHBQ9682	99%	10,070.0 µg/mL	+/- 179.7831
4	Isopropyl acetate	108-21-4	BCCG7069	99%	10,076.7 µg/mL	+/- 179.9021
5	Propyl acetate	109-60-4	P8XLN	99%	10,070.0 µg/mL	+/- 179.7831
6	Butyl acetate	123-86-4	SHBR2024	99%	10,060.0 µg/mL	+/- 179.6046

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution

immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

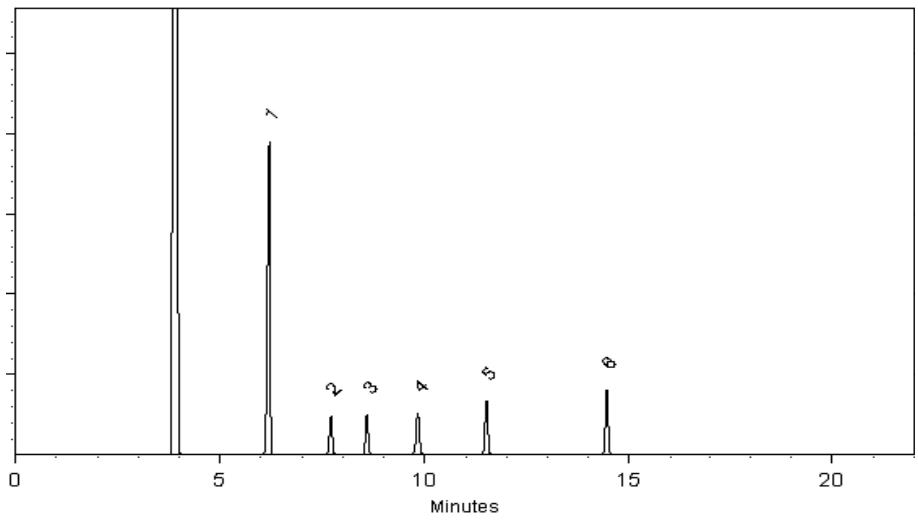
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 24-May-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_BCE_00082

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30469 **Lot No.:** A0201612

Description : 1-Bromo-2-chloroethane Standard

1-Bromo-2-Chloroethane Std, 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-2-chloroethane	107-04-0	BCCC1146	99%	2,004.0 µg/mL	+/- 112.6024

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

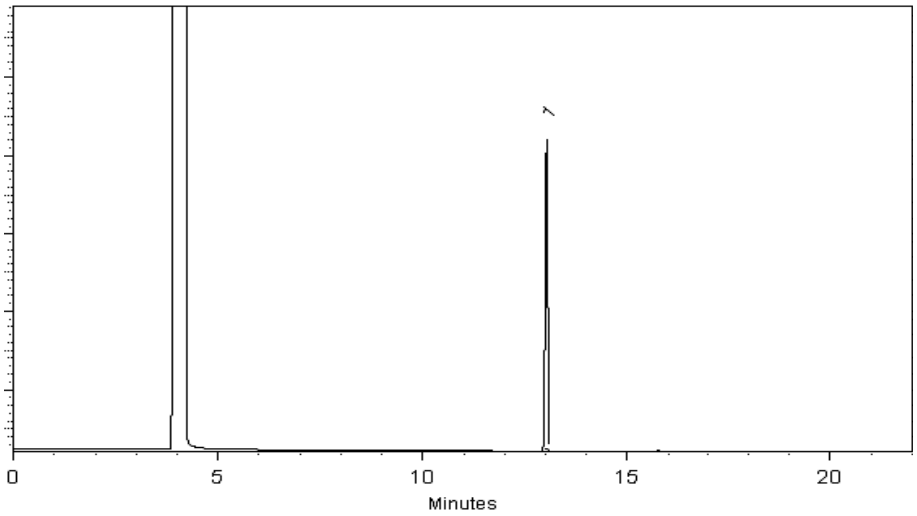
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 31-Aug-2023 **Balance Serial #** 1128342314

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Sep-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_c14dcb_Nt_00004

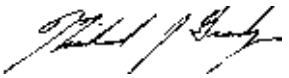
SIGMA-ALDRICH®
sigma-aldrich.com
3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
cis-1,4-Dichloro-2-butene - 95%

Product Number:	**195707**
Batch Number:	**SHBH4584V**
Brand:	ALDRICH
CAS Number:	1476-11-5
MDL Number:	MFCD00062950
Formula:	C4H6Cl2
Formula Weight:	125.00 g/mol
Storage Temperature:	Store at 2 - 8 °C
Quality Release Date:	30 AUG 2016

Test	Specification	Result
Appearance (Color)	Colorless to Light Yellow	Very Faint Yellow
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Purity (GC)	≥ 94.5 %	98.0 %



Michael Grady, Manager
Quality Control
Sheboygan Falls, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Reagent

MSV_CCV_GASES_00961

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577488 **Lot No.:** A0212054

Description : Custom Gases Standard

Custom Gases Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,016.7 µg/mL	+/- 114.0219
2	Chloromethane (methyl chloride)	74-87-3	SHBP8835	99%	2,015.3 µg/mL	+/- 115.0747
3	Vinyl chloride	75-01-4	00015559	99%	2,015.3 µg/mL	+/- 115.4962
4	1,3-Butadiene	106-99-0	00019375	99%	2,020.7 µg/mL	+/- 114.1301
5	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,025.3 µg/mL	+/- 114.3368
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,023.4 µg/mL	+/- 114.7120
7	Dichlorofluoromethane (CFC-21)	75-43-4	14485600	90%	2,019.6 µg/mL	+/- 113.4524
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,020.0 µg/mL	+/- 113.4748
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4	877500	99%	2,021.2 µg/mL	+/- 114.0989

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

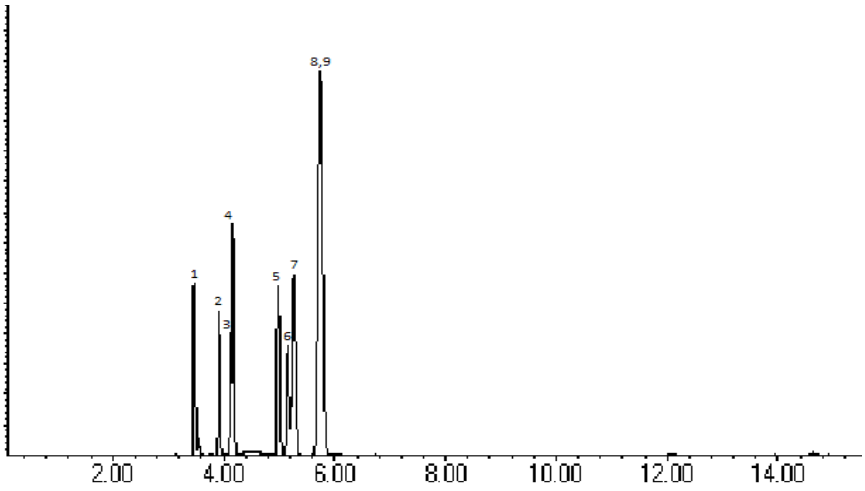
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 28-May-2024 **Balance Serial #** B251644995

Dillan Murphy - Operations Technician I

Date Passed: 03-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_CCV_GASES_01016

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577488 **Lot No.:** A0212054

Description : Custom Gases Standard

Custom Gases Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,016.7 µg/mL	+/- 114.0219
2	Chloromethane (methyl chloride)	74-87-3	SHBP8835	99%	2,015.3 µg/mL	+/- 115.0747
3	Vinyl chloride	75-01-4	00015559	99%	2,015.3 µg/mL	+/- 115.4962
4	1,3-Butadiene	106-99-0	00019375	99%	2,020.7 µg/mL	+/- 114.1301
5	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,025.3 µg/mL	+/- 114.3368
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,023.4 µg/mL	+/- 114.7120
7	Dichlorofluoromethane (CFC-21)	75-43-4	14485600	90%	2,019.6 µg/mL	+/- 113.4524
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,020.0 µg/mL	+/- 113.4748
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4	877500	99%	2,021.2 µg/mL	+/- 114.0989

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

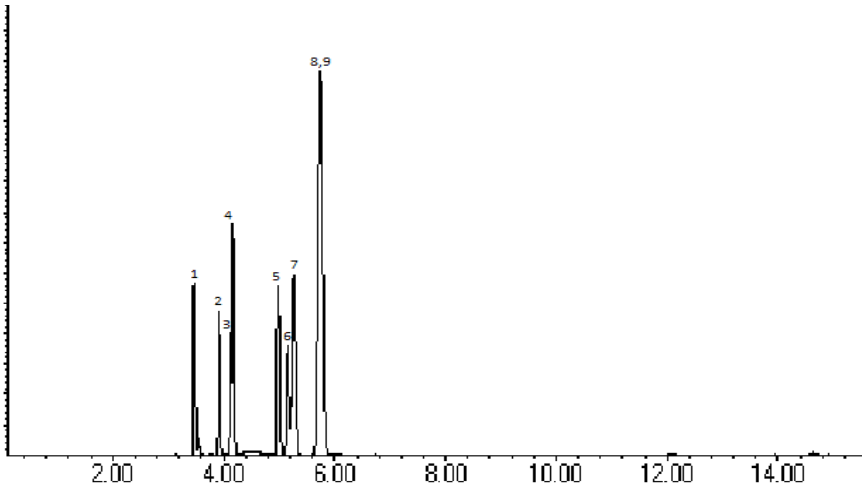
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 28-May-2024 **Balance Serial #** B251644995

Dillan Murphy - Operations Technician I

Date Passed: 03-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_CCV_GASES_01023

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577488 **Lot No.:** A0212054

Description : Custom Gases Standard

Custom Gases Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,016.7 µg/mL	+/- 114.0219
2	Chloromethane (methyl chloride)	74-87-3	SHBP8835	99%	2,015.3 µg/mL	+/- 115.0747
3	Vinyl chloride	75-01-4	00015559	99%	2,015.3 µg/mL	+/- 115.4962
4	1,3-Butadiene	106-99-0	00019375	99%	2,020.7 µg/mL	+/- 114.1301
5	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,025.3 µg/mL	+/- 114.3368
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,023.4 µg/mL	+/- 114.7120
7	Dichlorofluoromethane (CFC-21)	75-43-4	14485600	90%	2,019.6 µg/mL	+/- 113.4524
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,020.0 µg/mL	+/- 113.4748
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4	877500	99%	2,021.2 µg/mL	+/- 114.0989

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

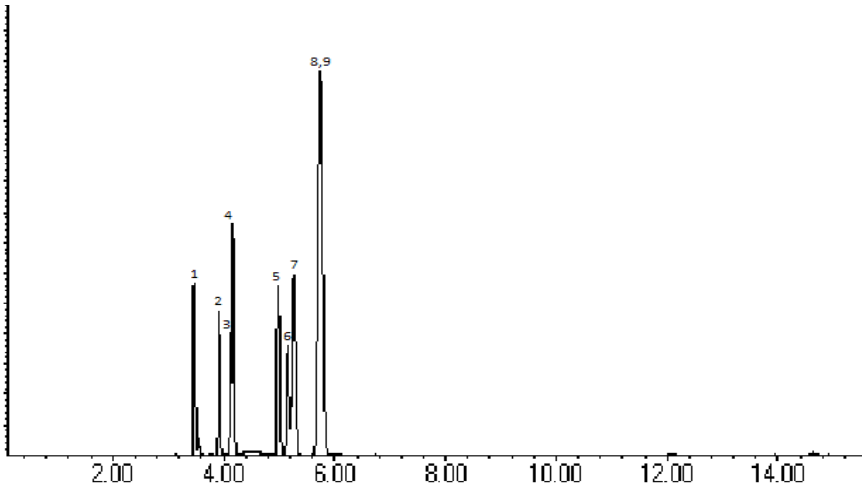
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 28-May-2024 **Balance Serial #** B251644995

Dillan Murphy - Operations Technician I

Date Passed: 03-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_CCV_GASES_01027

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577488 **Lot No.:** A0212054

Description : Custom Gases Standard

Custom Gases Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,016.7 µg/mL	+/- 114.0219
2	Chloromethane (methyl chloride)	74-87-3	SHBP8835	99%	2,015.3 µg/mL	+/- 115.0747
3	Vinyl chloride	75-01-4	00015559	99%	2,015.3 µg/mL	+/- 115.4962
4	1,3-Butadiene	106-99-0	00019375	99%	2,020.7 µg/mL	+/- 114.1301
5	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,025.3 µg/mL	+/- 114.3368
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,023.4 µg/mL	+/- 114.7120
7	Dichlorofluoromethane (CFC-21)	75-43-4	14485600	90%	2,019.6 µg/mL	+/- 113.4524
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,020.0 µg/mL	+/- 113.4748
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4	877500	99%	2,021.2 µg/mL	+/- 114.0989

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

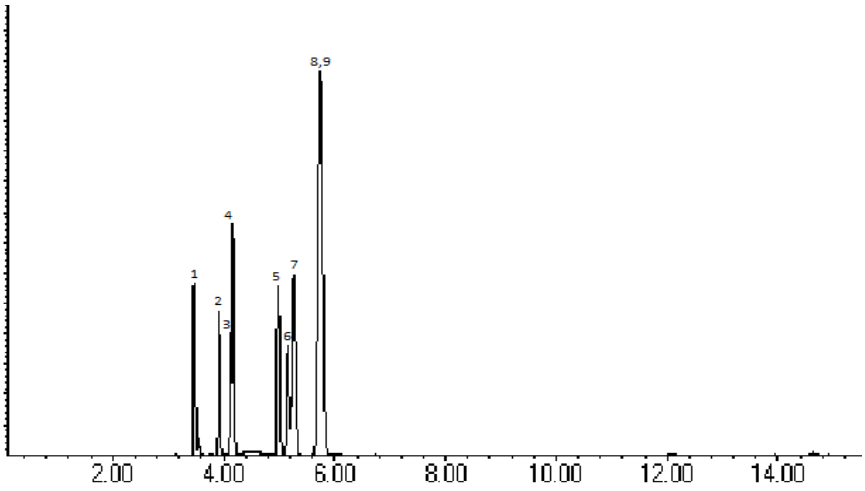
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 28-May-2024 **Balance Serial #** B251644995

Dillan Murphy - Operations Technician I

Date Passed: 03-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_Cus826_IS_00700

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 558267 **Lot No.:** A0203141

Description : Custom 8260A IS Mix

Custom 8260A IS Mix 2,500-12,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,504.0 µg/mL	+/- 155.5359
2	Fluorobenzene	462-06-6	BCBZ5549	99%	2,503.5 µg/mL	+/- 31.1565
3	Chlorobenzene-d5	3114-55-4	PR-29571	99%	2,502.0 µg/mL	+/- 31.1378
4	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,504.5 µg/mL	+/- 31.1689

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

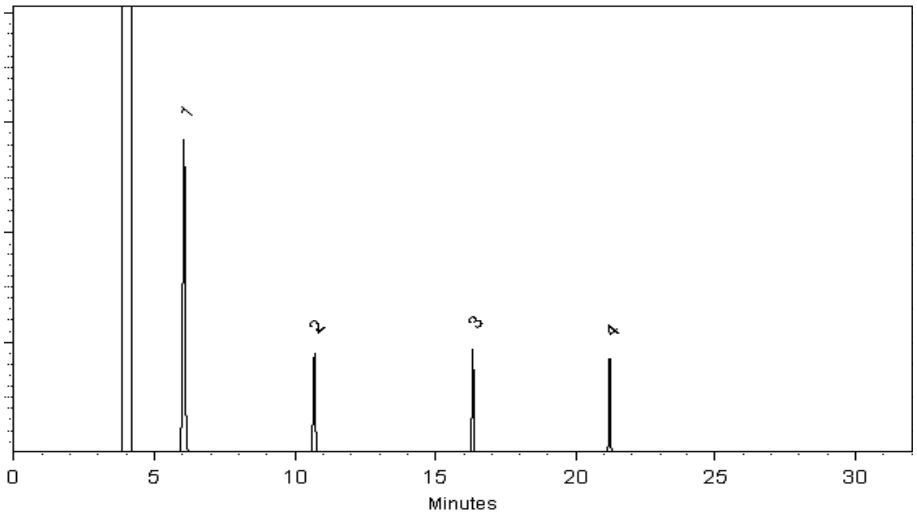
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 13-Oct-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_Cus826_IS_00702

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 558267 **Lot No.:** A0203141

Description : Custom 8260A IS Mix

Custom 8260A IS Mix 2,500-12,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,504.0 µg/mL	+/- 155.5359
2	Fluorobenzene	462-06-6	BCBZ5549	99%	2,503.5 µg/mL	+/- 31.1565
3	Chlorobenzene-d5	3114-55-4	PR-29571	99%	2,502.0 µg/mL	+/- 31.1378
4	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,504.5 µg/mL	+/- 31.1689

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

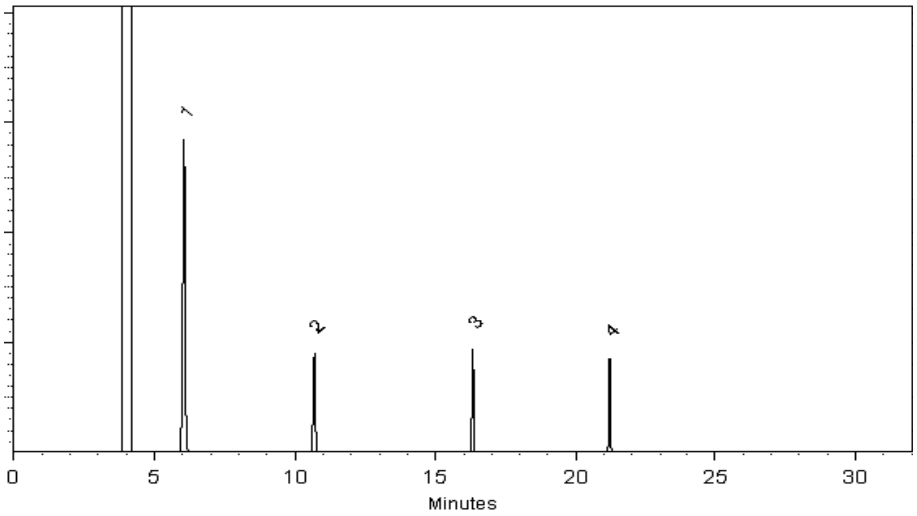
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 13-Oct-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_Cus826_IS_00729

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 558267 **Lot No.:** A0203141

Description : Custom 8260A IS Mix

Custom 8260A IS Mix 2,500-12,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,504.0 µg/mL	+/- 155.5359
2	Fluorobenzene	462-06-6	BCBZ5549	99%	2,503.5 µg/mL	+/- 31.1565
3	Chlorobenzene-d5	3114-55-4	PR-29571	99%	2,502.0 µg/mL	+/- 31.1378
4	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,504.5 µg/mL	+/- 31.1689

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

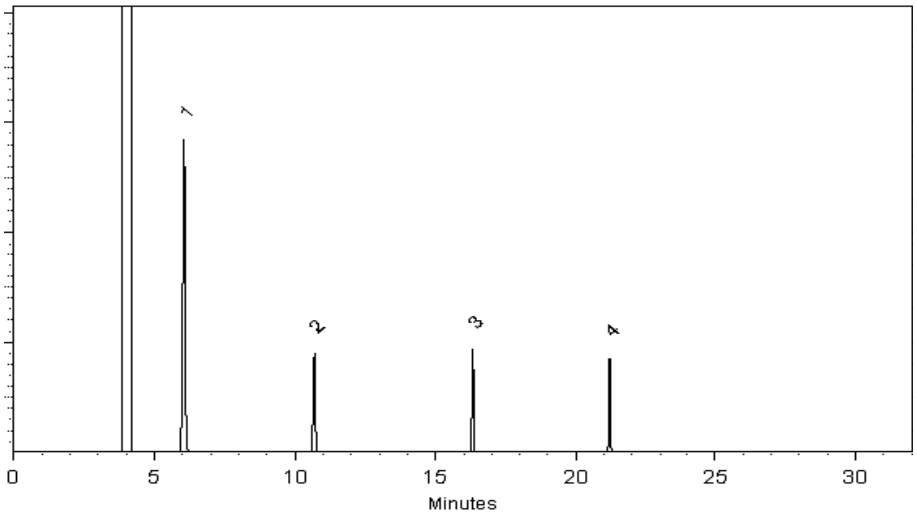
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 13-Oct-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_Cus826_IS_00741

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 558267 **Lot No.:** A0203141

Description : Custom 8260A IS Mix

Custom 8260A IS Mix 2,500-12,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,504.0 µg/mL	+/- 155.5359
2	Fluorobenzene	462-06-6	BCBZ5549	99%	2,503.5 µg/mL	+/- 31.1565
3	Chlorobenzene-d5	3114-55-4	PR-29571	99%	2,502.0 µg/mL	+/- 31.1378
4	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,504.5 µg/mL	+/- 31.1689

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

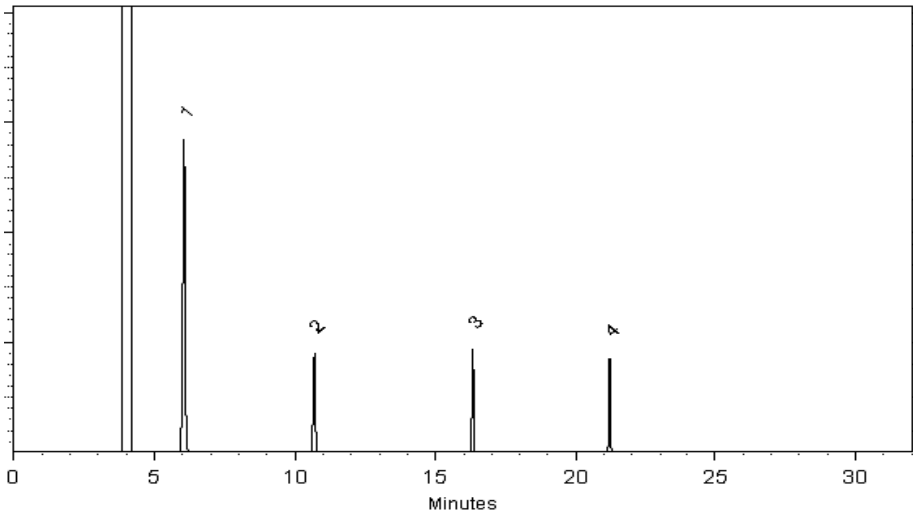
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 13-Oct-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_Cus826_IS_00750

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 558267 **Lot No.:** A0203141

Description : Custom 8260A IS Mix

Custom 8260A IS Mix 2,500-12,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,504.0 µg/mL	+/- 155.5359
2	Fluorobenzene	462-06-6	BCBZ5549	99%	2,503.5 µg/mL	+/- 31.1565
3	Chlorobenzene-d5	3114-55-4	PR-29571	99%	2,502.0 µg/mL	+/- 31.1378
4	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,504.5 µg/mL	+/- 31.1689

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

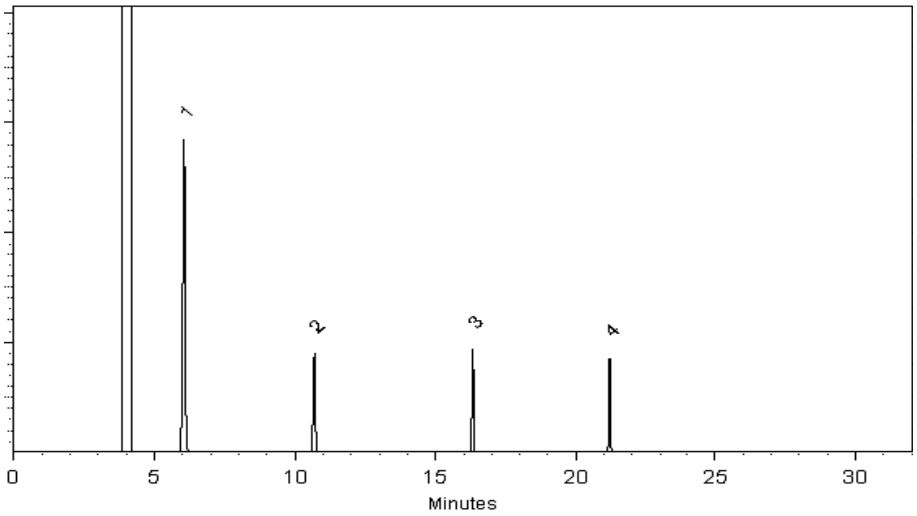
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 13-Oct-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_Cus826_IS_00815

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 558267 **Lot No.:** A0211699

Description : Custom 8260A IS Mix

Custom 8260A IS Mix 2,500-12,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,595.0 µg/mL	+/- 156.6678
2	Fluorobenzene	462-06-6	BCBZ5549	99%	2,507.0 µg/mL	+/- 31.2001
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	2,520.0 µg/mL	+/- 31.3618
4	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,502.0 µg/mL	+/- 31.1378

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

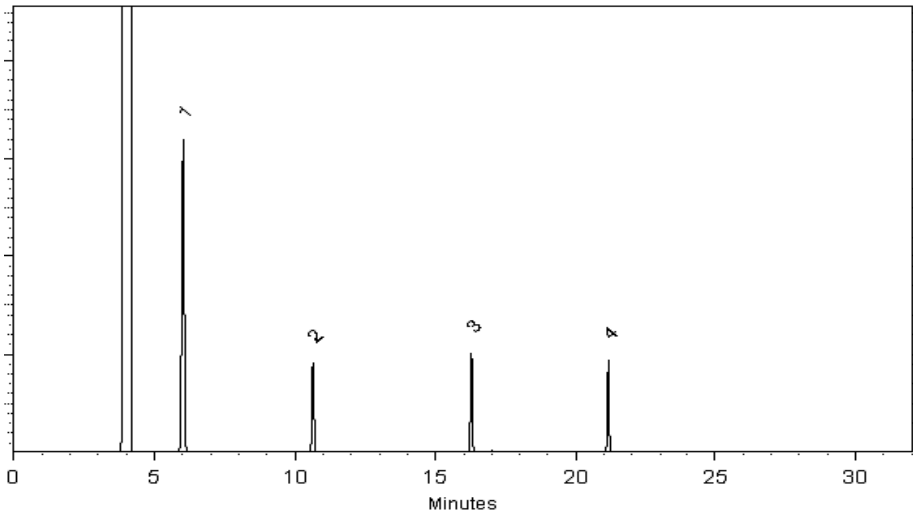
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 20-May-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_DME_00064

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 564156 **Lot No.:** A0220508

Description : Custom Dimethyl Ether Standard

Custom Dimethyl Ether Standard 1,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl ether (dimethyl ether)	115-10-6	00023399	99%	1,004.7 µg/mL	+/- 16.3917

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

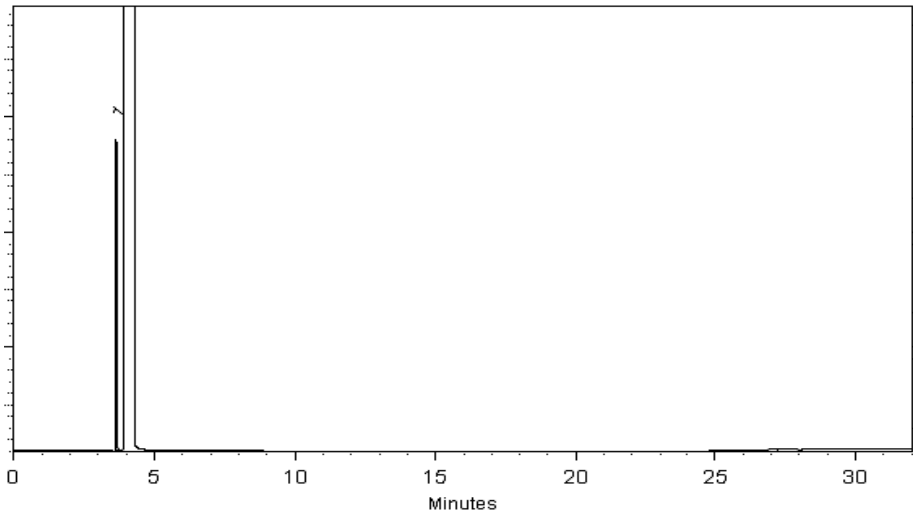
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 27-Dec-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_DME_00072

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 564156 **Lot No.:** A0220508

Description : Custom Dimethyl Ether Standard

Custom Dimethyl Ether Standard 1,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl ether (dimethyl ether)	115-10-6	00023399	99%	1,004.7 µg/mL	+/- 16.3917

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

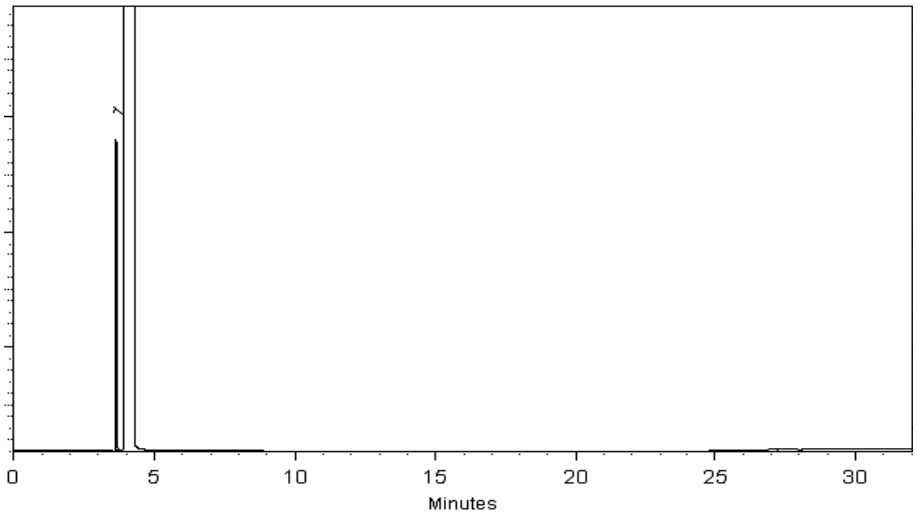
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 27-Dec-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_EE_Neat_00012

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Ethyl ether

CATALOG NUMBER	N-11897-1G
LOT NUMBER	14084700
DATE CERTIFIED	06/08/22
EXPIRATION DATE	06/30/27
CAS NUMBER	60-29-7
MOLECULAR FORMULA	C4H10O
MOLECULAR WEIGHT	74.12
STORAGE	Refrigerator storage (2 - 8 °C)
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/FID)	99.5
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

Kristin R Jones

Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.

PJLA Testing

PJLA Reference Material Producer

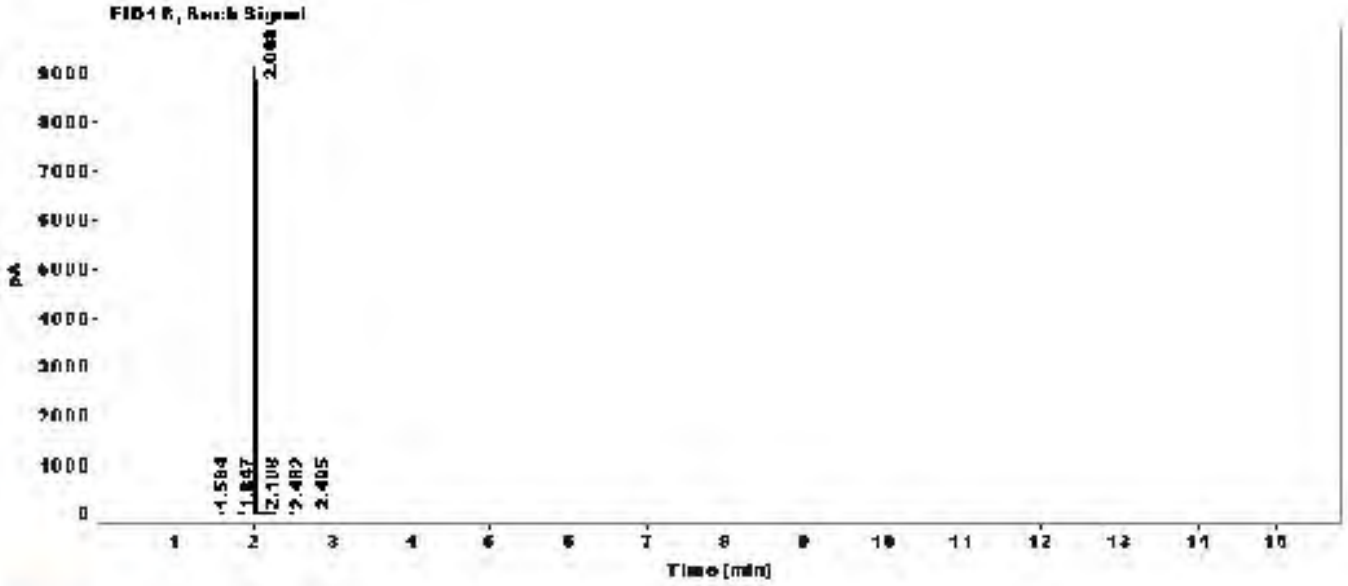
COA Form
Revision 3 (3/2015)

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file:	C:\CHEM32\1\DATA\2022 DATA\0622\ethyl ether.D		
Sample name:	Ethyl ether		
Acq. method:	FRANNY-BACK.M		
Instrument:	GC3	**Location:**	205
Injection date:	6/8/2022 12:35:47 PM	**Injection Vol:**	0.100
Column name:	RTx-5MS (30m x 0.25mm x 0.5µm)	**# Of Injections:**	1



Signal: FID1 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
1.584	BB	0.0118	2.2881	3.0236	0.0324
1.847	BB	0.0128	3.4389	4.5659	0.0487
2.008	VB S	0.0123	7054.1309	8866.6377	99.8684
2.108	BB T	0.0124	0.6178	0.7662	0.0087
2.462	BV	0.0173	1.5205	1.4371	0.0215
2.495	VB	0.0170	1.4321	1.3951	0.0203
		Sum	7063.4283		

Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.
PJLA Testing
PJLA Reference Material Producer

Reagent

MSV_MegaMIX#1_00222

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577486 **Lot No.:** A0211483

Description : Custom VOC MegaMix® #1 Standard

Custom VOC MegaMix® #1 Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1-dichloroethene	75-35-4	SHBG8609V	99%	5,038.8 µg/mL	+/- 283.8004
2	Methylene chloride (dichloromethane)	75-09-2	231383	99%	5,013.9 µg/mL	+/- 282.3994
3	trans-1,2-Dichloroethene	156-60-5	MKCP9516	99%	5,020.8 µg/mL	+/- 282.7901
4	1,1-Dichloroethane	75-34-3	852900	99%	5,007.1 µg/mL	+/- 282.0157
5	2,2-Dichloropropane	594-20-7	RP231114CTH	99%	5,045.8 µg/mL	+/- 284.2162
6	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	5,049.3 µg/mL	+/- 284.4180
7	chloroform	67-66-3	SHBN8469	99%	5,032.5 µg/mL	+/- 283.4484
8	Bromochloromethane	74-97-5	S231117RSR	99%	5,043.2 µg/mL	+/- 284.0707
9	1,1,1-trichloroethane	71-55-6	RD230728RSR	99%	5,043.7 µg/mL	+/- 284.0785
10	1,1-Dichloropropene	563-58-6	S240215ECS	99%	5,045.2 µg/mL	+/- 284.1833
11	carbon tetrachloride	56-23-5	SHBP4875	99%	5,042.8 µg/mL	+/- 284.0292
12	1,2-Dichloroethane	107-06-2	SHBQ5408	99%	5,007.8 µg/mL	+/- 282.0579
13	Benzene	71-43-2	MKCS3357	99%	5,011.2 µg/mL	+/- 282.2682
14	Trichloroethene	79-01-6	SHBQ6161	99%	5,019.9 µg/mL	+/- 282.7408
15	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	5,041.1 µg/mL	+/- 283.9307
16	bromodichloromethane	75-27-4	MKCF8470	99%	5,014.1 µg/mL	+/- 282.4134

17	Dibromomethane	74-95-3	107151T06C	99%	5,019.6	µg/mL	+/- 282.7423
18	cis-1,3-Dichloropropene	10061-01-5	RP231025CTH	99%	5,036.1	µg/mL	+/- 283.6490
19	Toluene	108-88-3	MKCS9989	99%	5,027.9	µg/mL	+/- 283.2117
20	trans-1,3-Dichloropropene	10061-02-6	RP231025CTH-1	98%	5,002.6	µg/mL	+/- 281.7640
21	1,1,2-Trichloroethane	79-00-5	FGB01	99%	5,010.4	µg/mL	+/- 282.2022
22	1,3-Dichloropropane	142-28-9	BCCH5357	99%	5,043.1	µg/mL	+/- 284.0660
23	Tetrachloroethene	127-18-4	SHBQ0051	99%	5,014.8	µg/mL	+/- 282.4522
24	dibromochloromethane	124-48-1	MKCT4871	99%	5,042.3	µg/mL	+/- 283.9976
25	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	5,041.7	µg/mL	+/- 283.9862
26	Chlorobenzene	108-90-7	SHBN6640	99%	5,013.3	µg/mL	+/- 282.3642
27	1,1,1,2-Tetrachloroethane	630-20-6	TMWGK	99%	5,025.2	µg/mL	+/- 283.0568
28	Ethylbenzene	100-41-4	094632T20F	99%	5,042.0	µg/mL	+/- 284.0050
29	m-Xylene	108-38-3	SHBN6673	99%	5,042.2	µg/mL	+/- 284.0143
30	p-Xylene	106-42-3	SHBP5191	99%	5,038.1	µg/mL	+/- 283.7843
31	o-Xylene	95-47-6	50069309	99%	5,047.2	µg/mL	+/- 284.2960
32	Styrene	100-42-5	MKCQ3390	99%	5,038.9	µg/mL	+/- 283.8313
33	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	5,022.8	µg/mL	+/- 282.9253
34	bromoform	75-25-2	050494L04R	99%	5,036.9	µg/mL	+/- 283.6948
35	1,1,2,2-Tetrachloroethane	79-34-5	QQJ4I	99%	5,032.5	µg/mL	+/- 283.4484
36	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	5,042.7	µg/mL	+/- 284.0428
37	n-Propylbenzene	103-65-1	095067T18C	99%	5,028.8	µg/mL	+/- 283.2586
38	Bromobenzene	108-86-1	MKCQ7174	99%	5,026.8	µg/mL	+/- 283.1460
39	1,3,5-Trimethylbenzene	108-67-8	BCCH6852	99%	5,023.1	µg/mL	+/- 282.9394
40	2-Chlorotoluene	95-49-8	235783M23T	99%	5,028.7	µg/mL	+/- 283.2539
41	4-Chlorotoluene	106-43-4	BCCG9286	99%	5,043.9	µg/mL	+/- 284.1129
42	tert-Butylbenzene	98-06-6	STBJ1937	99%	5,047.3	µg/mL	+/- 284.3054
43	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	5,046.3	µg/mL	+/- 284.2490
44	sec-Butylbenzene	135-98-8	MKCP2266	99%	5,044.3	µg/mL	+/- 284.1364
45	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCS1827	99%	5,035.8	µg/mL	+/- 283.6576
46	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	5,034.6	µg/mL	+/- 283.5646
47	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	5,015.5	µg/mL	+/- 282.4909
48	n-Butylbenzene	104-51-8	09418JJ	99%	5,034.7	µg/mL	+/- 283.5919
49	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	5,012.9	µg/mL	+/- 282.3466
50	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	5,029.4	µg/mL	+/- 283.2935
51	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	5,042.1	µg/mL	+/- 284.0096
52	Hexachlorobutadiene	87-68-3	X05J	99%	5,023.4	µg/mL	+/- 282.9582

53	Naphthalene	91-20-3	STBL1057	99%	5,008.3	µg/mL	+/- 282.1039
54	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	5,037.8	µg/mL	+/- 283.7656

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

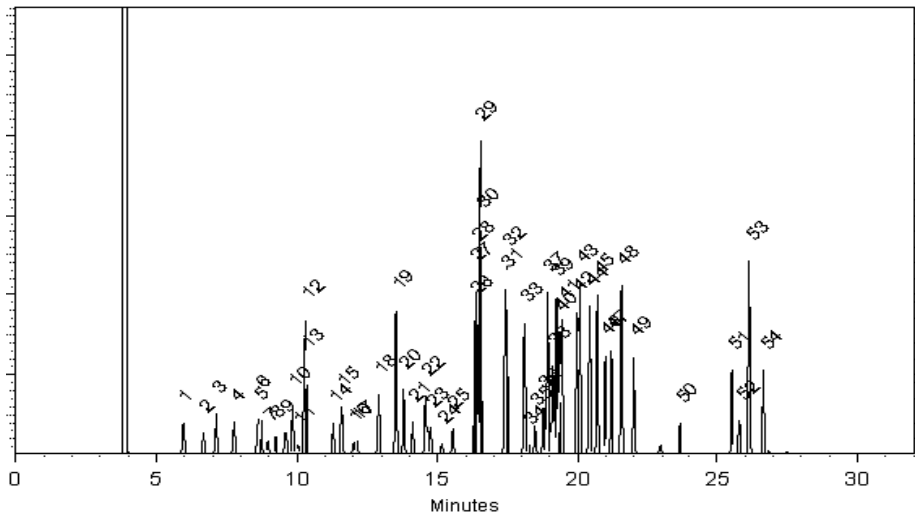
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 15-May-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_MegaMIX#1_00230

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577486 **Lot No.:** A0211483

Description : Custom VOC MegaMix® #1 Standard

Custom VOC MegaMix® #1 Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1-dichloroethene	75-35-4	SHBG8609V	99%	5,038.8 µg/mL	+/- 283.8004
2	Methylene chloride (dichloromethane)	75-09-2	231383	99%	5,013.9 µg/mL	+/- 282.3994
3	trans-1,2-Dichloroethene	156-60-5	MKCP9516	99%	5,020.8 µg/mL	+/- 282.7901
4	1,1-Dichloroethane	75-34-3	852900	99%	5,007.1 µg/mL	+/- 282.0157
5	2,2-Dichloropropane	594-20-7	RP231114CTH	99%	5,045.8 µg/mL	+/- 284.2162
6	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	5,049.3 µg/mL	+/- 284.4180
7	chloroform	67-66-3	SHBN8469	99%	5,032.5 µg/mL	+/- 283.4484
8	Bromochloromethane	74-97-5	S231117RSR	99%	5,043.2 µg/mL	+/- 284.0707
9	1,1,1-trichloroethane	71-55-6	RD230728RSR	99%	5,043.7 µg/mL	+/- 284.0785
10	1,1-Dichloropropene	563-58-6	S240215ECS	99%	5,045.2 µg/mL	+/- 284.1833
11	carbon tetrachloride	56-23-5	SHBP4875	99%	5,042.8 µg/mL	+/- 284.0292
12	1,2-Dichloroethane	107-06-2	SHBQ5408	99%	5,007.8 µg/mL	+/- 282.0579
13	Benzene	71-43-2	MKCS3357	99%	5,011.2 µg/mL	+/- 282.2682
14	Trichloroethene	79-01-6	SHBQ6161	99%	5,019.9 µg/mL	+/- 282.7408
15	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	5,041.1 µg/mL	+/- 283.9307
16	bromodichloromethane	75-27-4	MKCF8470	99%	5,014.1 µg/mL	+/- 282.4134

17	Dibromomethane	74-95-3	107151T06C	99%	5,019.6	µg/mL	+/- 282.7423
18	cis-1,3-Dichloropropene	10061-01-5	RP231025CTH	99%	5,036.1	µg/mL	+/- 283.6490
19	Toluene	108-88-3	MKCS9989	99%	5,027.9	µg/mL	+/- 283.2117
20	trans-1,3-Dichloropropene	10061-02-6	RP231025CTH-1	98%	5,002.6	µg/mL	+/- 281.7640
21	1,1,2-Trichloroethane	79-00-5	FGB01	99%	5,010.4	µg/mL	+/- 282.2022
22	1,3-Dichloropropane	142-28-9	BCCH5357	99%	5,043.1	µg/mL	+/- 284.0660
23	Tetrachloroethene	127-18-4	SHBQ0051	99%	5,014.8	µg/mL	+/- 282.4522
24	dibromochloromethane	124-48-1	MKCT4871	99%	5,042.3	µg/mL	+/- 283.9976
25	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	5,041.7	µg/mL	+/- 283.9862
26	Chlorobenzene	108-90-7	SHBN6640	99%	5,013.3	µg/mL	+/- 282.3642
27	1,1,1,2-Tetrachloroethane	630-20-6	TMWGK	99%	5,025.2	µg/mL	+/- 283.0568
28	Ethylbenzene	100-41-4	094632T20F	99%	5,042.0	µg/mL	+/- 284.0050
29	m-Xylene	108-38-3	SHBN6673	99%	5,042.2	µg/mL	+/- 284.0143
30	p-Xylene	106-42-3	SHBP5191	99%	5,038.1	µg/mL	+/- 283.7843
31	o-Xylene	95-47-6	50069309	99%	5,047.2	µg/mL	+/- 284.2960
32	Styrene	100-42-5	MKCQ3390	99%	5,038.9	µg/mL	+/- 283.8313
33	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	5,022.8	µg/mL	+/- 282.9253
34	bromoform	75-25-2	050494L04R	99%	5,036.9	µg/mL	+/- 283.6948
35	1,1,2,2-Tetrachloroethane	79-34-5	QQJ4I	99%	5,032.5	µg/mL	+/- 283.4484
36	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	5,042.7	µg/mL	+/- 284.0428
37	n-Propylbenzene	103-65-1	095067T18C	99%	5,028.8	µg/mL	+/- 283.2586
38	Bromobenzene	108-86-1	MKCQ7174	99%	5,026.8	µg/mL	+/- 283.1460
39	1,3,5-Trimethylbenzene	108-67-8	BCCH6852	99%	5,023.1	µg/mL	+/- 282.9394
40	2-Chlorotoluene	95-49-8	235783M23T	99%	5,028.7	µg/mL	+/- 283.2539
41	4-Chlorotoluene	106-43-4	BCCG9286	99%	5,043.9	µg/mL	+/- 284.1129
42	tert-Butylbenzene	98-06-6	STBJ1937	99%	5,047.3	µg/mL	+/- 284.3054
43	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	5,046.3	µg/mL	+/- 284.2490
44	sec-Butylbenzene	135-98-8	MKCP2266	99%	5,044.3	µg/mL	+/- 284.1364
45	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCS1827	99%	5,035.8	µg/mL	+/- 283.6576
46	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	5,034.6	µg/mL	+/- 283.5646
47	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	5,015.5	µg/mL	+/- 282.4909
48	n-Butylbenzene	104-51-8	09418JJ	99%	5,034.7	µg/mL	+/- 283.5919
49	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	5,012.9	µg/mL	+/- 282.3466
50	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	5,029.4	µg/mL	+/- 283.2935
51	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	5,042.1	µg/mL	+/- 284.0096
52	Hexachlorobutadiene	87-68-3	X05J	99%	5,023.4	µg/mL	+/- 282.9582

53	Naphthalene	91-20-3	STBL1057	99%	5,008.3	µg/mL	+/- 282.1039
54	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	5,037.8	µg/mL	+/- 283.7656

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

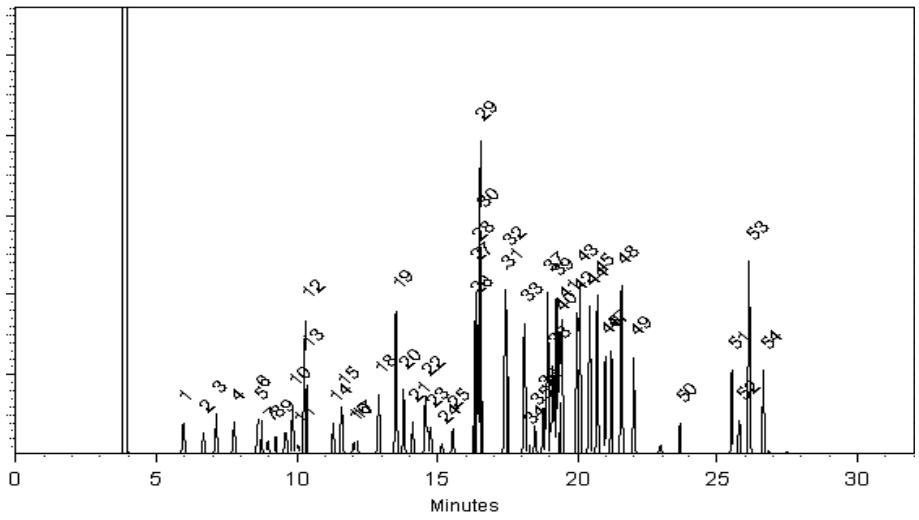
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 15-May-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_MegaMIX#1_00234

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577486 **Lot No.:** A0211483

Description : Custom VOC MegaMix® #1 Standard

Custom VOC MegaMix® #1 Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1-dichloroethene	75-35-4	SHBG8609V	99%	5,038.8 µg/mL	+/- 283.8004
2	Methylene chloride (dichloromethane)	75-09-2	231383	99%	5,013.9 µg/mL	+/- 282.3994
3	trans-1,2-Dichloroethene	156-60-5	MKCP9516	99%	5,020.8 µg/mL	+/- 282.7901
4	1,1-Dichloroethane	75-34-3	852900	99%	5,007.1 µg/mL	+/- 282.0157
5	2,2-Dichloropropane	594-20-7	RP231114CTH	99%	5,045.8 µg/mL	+/- 284.2162
6	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	5,049.3 µg/mL	+/- 284.4180
7	chloroform	67-66-3	SHBN8469	99%	5,032.5 µg/mL	+/- 283.4484
8	Bromochloromethane	74-97-5	S231117RSR	99%	5,043.2 µg/mL	+/- 284.0707
9	1,1,1-trichloroethane	71-55-6	RD230728RSR	99%	5,043.7 µg/mL	+/- 284.0785
10	1,1-Dichloropropene	563-58-6	S240215ECS	99%	5,045.2 µg/mL	+/- 284.1833
11	carbon tetrachloride	56-23-5	SHBP4875	99%	5,042.8 µg/mL	+/- 284.0292
12	1,2-Dichloroethane	107-06-2	SHBQ5408	99%	5,007.8 µg/mL	+/- 282.0579
13	Benzene	71-43-2	MKCS3357	99%	5,011.2 µg/mL	+/- 282.2682
14	Trichloroethene	79-01-6	SHBQ6161	99%	5,019.9 µg/mL	+/- 282.7408
15	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	5,041.1 µg/mL	+/- 283.9307
16	bromodichloromethane	75-27-4	MKCF8470	99%	5,014.1 µg/mL	+/- 282.4134

17	Dibromomethane	74-95-3	107151T06C	99%	5,019.6	µg/mL	+/- 282.7423
18	cis-1,3-Dichloropropene	10061-01-5	RP231025CTH	99%	5,036.1	µg/mL	+/- 283.6490
19	Toluene	108-88-3	MKCS9989	99%	5,027.9	µg/mL	+/- 283.2117
20	trans-1,3-Dichloropropene	10061-02-6	RP231025CTH-1	98%	5,002.6	µg/mL	+/- 281.7640
21	1,1,2-Trichloroethane	79-00-5	FGB01	99%	5,010.4	µg/mL	+/- 282.2022
22	1,3-Dichloropropane	142-28-9	BCCH5357	99%	5,043.1	µg/mL	+/- 284.0660
23	Tetrachloroethene	127-18-4	SHBQ0051	99%	5,014.8	µg/mL	+/- 282.4522
24	dibromochloromethane	124-48-1	MKCT4871	99%	5,042.3	µg/mL	+/- 283.9976
25	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	5,041.7	µg/mL	+/- 283.9862
26	Chlorobenzene	108-90-7	SHBN6640	99%	5,013.3	µg/mL	+/- 282.3642
27	1,1,1,2-Tetrachloroethane	630-20-6	TMWGK	99%	5,025.2	µg/mL	+/- 283.0568
28	Ethylbenzene	100-41-4	094632T20F	99%	5,042.0	µg/mL	+/- 284.0050
29	m-Xylene	108-38-3	SHBN6673	99%	5,042.2	µg/mL	+/- 284.0143
30	p-Xylene	106-42-3	SHBP5191	99%	5,038.1	µg/mL	+/- 283.7843
31	o-Xylene	95-47-6	50069309	99%	5,047.2	µg/mL	+/- 284.2960
32	Styrene	100-42-5	MKCQ3390	99%	5,038.9	µg/mL	+/- 283.8313
33	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	5,022.8	µg/mL	+/- 282.9253
34	bromoform	75-25-2	050494L04R	99%	5,036.9	µg/mL	+/- 283.6948
35	1,1,2,2-Tetrachloroethane	79-34-5	QQJ4I	99%	5,032.5	µg/mL	+/- 283.4484
36	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	5,042.7	µg/mL	+/- 284.0428
37	n-Propylbenzene	103-65-1	095067T18C	99%	5,028.8	µg/mL	+/- 283.2586
38	Bromobenzene	108-86-1	MKCQ7174	99%	5,026.8	µg/mL	+/- 283.1460
39	1,3,5-Trimethylbenzene	108-67-8	BCCH6852	99%	5,023.1	µg/mL	+/- 282.9394
40	2-Chlorotoluene	95-49-8	235783M23T	99%	5,028.7	µg/mL	+/- 283.2539
41	4-Chlorotoluene	106-43-4	BCCG9286	99%	5,043.9	µg/mL	+/- 284.1129
42	tert-Butylbenzene	98-06-6	STBJ1937	99%	5,047.3	µg/mL	+/- 284.3054
43	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	5,046.3	µg/mL	+/- 284.2490
44	sec-Butylbenzene	135-98-8	MKCP2266	99%	5,044.3	µg/mL	+/- 284.1364
45	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCS1827	99%	5,035.8	µg/mL	+/- 283.6576
46	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	5,034.6	µg/mL	+/- 283.5646
47	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	5,015.5	µg/mL	+/- 282.4909
48	n-Butylbenzene	104-51-8	09418JJ	99%	5,034.7	µg/mL	+/- 283.5919
49	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	5,012.9	µg/mL	+/- 282.3466
50	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	5,029.4	µg/mL	+/- 283.2935
51	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	5,042.1	µg/mL	+/- 284.0096
52	Hexachlorobutadiene	87-68-3	X05J	99%	5,023.4	µg/mL	+/- 282.9582

53	Naphthalene	91-20-3	STBL1057	99%	5,008.3	µg/mL	+/- 282.1039
54	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	5,037.8	µg/mL	+/- 283.7656

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

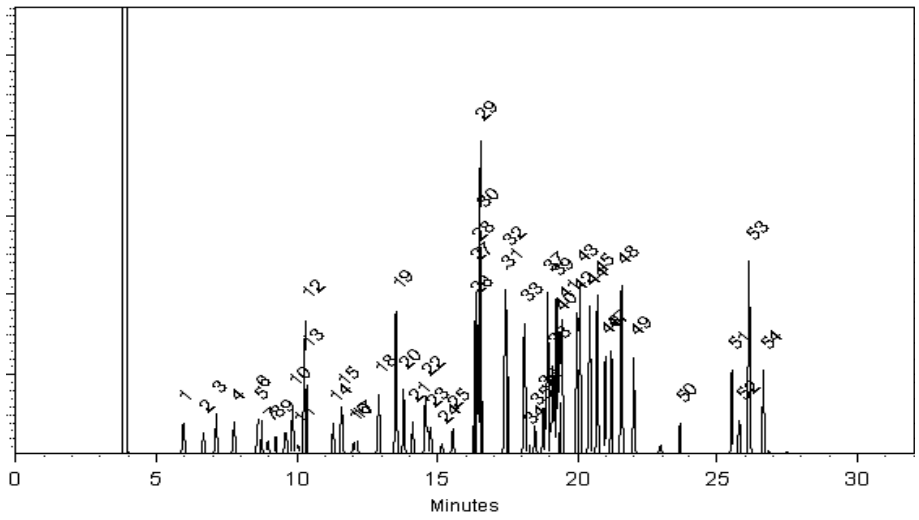
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 15-May-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_MegaMIX#1_00237

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577486 **Lot No.:** A0211483

Description : Custom VOC MegaMix® #1 Standard

Custom VOC MegaMix® #1 Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1-dichloroethene	75-35-4	SHBG8609V	99%	5,038.8 µg/mL	+/- 283.8004
2	Methylene chloride (dichloromethane)	75-09-2	231383	99%	5,013.9 µg/mL	+/- 282.3994
3	trans-1,2-Dichloroethene	156-60-5	MKCP9516	99%	5,020.8 µg/mL	+/- 282.7901
4	1,1-Dichloroethane	75-34-3	852900	99%	5,007.1 µg/mL	+/- 282.0157
5	2,2-Dichloropropane	594-20-7	RP231114CTH	99%	5,045.8 µg/mL	+/- 284.2162
6	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	5,049.3 µg/mL	+/- 284.4180
7	chloroform	67-66-3	SHBN8469	99%	5,032.5 µg/mL	+/- 283.4484
8	Bromochloromethane	74-97-5	S231117RSR	99%	5,043.2 µg/mL	+/- 284.0707
9	1,1,1-trichloroethane	71-55-6	RD230728RSR	99%	5,043.7 µg/mL	+/- 284.0785
10	1,1-Dichloropropene	563-58-6	S240215ECS	99%	5,045.2 µg/mL	+/- 284.1833
11	carbon tetrachloride	56-23-5	SHBP4875	99%	5,042.8 µg/mL	+/- 284.0292
12	1,2-Dichloroethane	107-06-2	SHBQ5408	99%	5,007.8 µg/mL	+/- 282.0579
13	Benzene	71-43-2	MKCS3357	99%	5,011.2 µg/mL	+/- 282.2682
14	Trichloroethene	79-01-6	SHBQ6161	99%	5,019.9 µg/mL	+/- 282.7408
15	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	5,041.1 µg/mL	+/- 283.9307
16	bromodichloromethane	75-27-4	MKCF8470	99%	5,014.1 µg/mL	+/- 282.4134

17	Dibromomethane	74-95-3	107151T06C	99%	5,019.6	µg/mL	+/- 282.7423
18	cis-1,3-Dichloropropene	10061-01-5	RP231025CTH	99%	5,036.1	µg/mL	+/- 283.6490
19	Toluene	108-88-3	MKCS9989	99%	5,027.9	µg/mL	+/- 283.2117
20	trans-1,3-Dichloropropene	10061-02-6	RP231025CTH-1	98%	5,002.6	µg/mL	+/- 281.7640
21	1,1,2-Trichloroethane	79-00-5	FGB01	99%	5,010.4	µg/mL	+/- 282.2022
22	1,3-Dichloropropane	142-28-9	BCCH5357	99%	5,043.1	µg/mL	+/- 284.0660
23	Tetrachloroethene	127-18-4	SHBQ0051	99%	5,014.8	µg/mL	+/- 282.4522
24	dibromochloromethane	124-48-1	MKCT4871	99%	5,042.3	µg/mL	+/- 283.9976
25	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	5,041.7	µg/mL	+/- 283.9862
26	Chlorobenzene	108-90-7	SHBN6640	99%	5,013.3	µg/mL	+/- 282.3642
27	1,1,1,2-Tetrachloroethane	630-20-6	TMWGK	99%	5,025.2	µg/mL	+/- 283.0568
28	Ethylbenzene	100-41-4	094632T20F	99%	5,042.0	µg/mL	+/- 284.0050
29	m-Xylene	108-38-3	SHBN6673	99%	5,042.2	µg/mL	+/- 284.0143
30	p-Xylene	106-42-3	SHBP5191	99%	5,038.1	µg/mL	+/- 283.7843
31	o-Xylene	95-47-6	50069309	99%	5,047.2	µg/mL	+/- 284.2960
32	Styrene	100-42-5	MKCQ3390	99%	5,038.9	µg/mL	+/- 283.8313
33	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	5,022.8	µg/mL	+/- 282.9253
34	bromoform	75-25-2	050494L04R	99%	5,036.9	µg/mL	+/- 283.6948
35	1,1,2,2-Tetrachloroethane	79-34-5	QQJ4I	99%	5,032.5	µg/mL	+/- 283.4484
36	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	5,042.7	µg/mL	+/- 284.0428
37	n-Propylbenzene	103-65-1	095067T18C	99%	5,028.8	µg/mL	+/- 283.2586
38	Bromobenzene	108-86-1	MKCQ7174	99%	5,026.8	µg/mL	+/- 283.1460
39	1,3,5-Trimethylbenzene	108-67-8	BCCH6852	99%	5,023.1	µg/mL	+/- 282.9394
40	2-Chlorotoluene	95-49-8	235783M23T	99%	5,028.7	µg/mL	+/- 283.2539
41	4-Chlorotoluene	106-43-4	BCCG9286	99%	5,043.9	µg/mL	+/- 284.1129
42	tert-Butylbenzene	98-06-6	STBJ1937	99%	5,047.3	µg/mL	+/- 284.3054
43	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	5,046.3	µg/mL	+/- 284.2490
44	sec-Butylbenzene	135-98-8	MKCP2266	99%	5,044.3	µg/mL	+/- 284.1364
45	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCS1827	99%	5,035.8	µg/mL	+/- 283.6576
46	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	5,034.6	µg/mL	+/- 283.5646
47	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	5,015.5	µg/mL	+/- 282.4909
48	n-Butylbenzene	104-51-8	09418JJ	99%	5,034.7	µg/mL	+/- 283.5919
49	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	5,012.9	µg/mL	+/- 282.3466
50	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	5,029.4	µg/mL	+/- 283.2935
51	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	5,042.1	µg/mL	+/- 284.0096
52	Hexachlorobutadiene	87-68-3	X05J	99%	5,023.4	µg/mL	+/- 282.9582

53	Naphthalene	91-20-3	STBL1057	99%	5,008.3	µg/mL	+/- 282.1039
54	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	5,037.8	µg/mL	+/- 283.7656

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

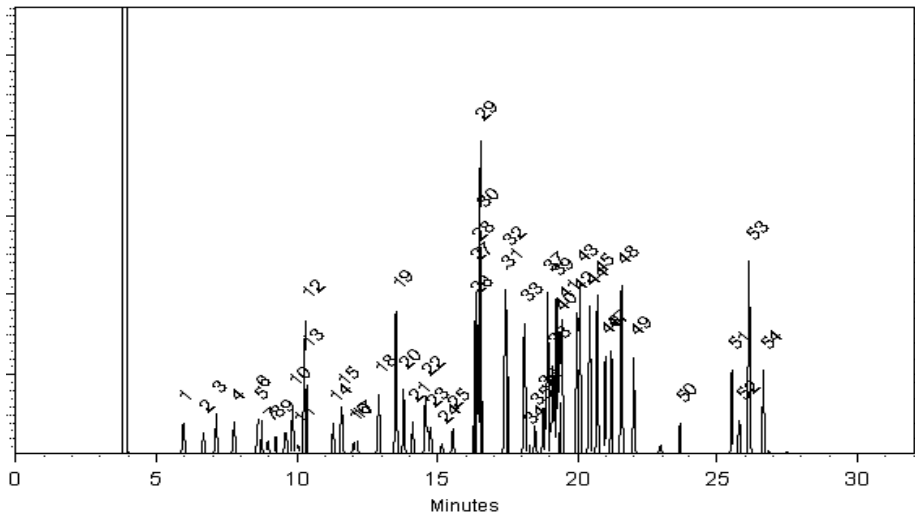
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 15-May-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_MegaMix#2_00223

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577487 **Lot No.:** A0212010

Description : Custom VOC MegaMix® #2 Standard

Custom VOC MegaMix® #2 Standard 5000-62500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0	STBK5006	99%	5,041.0 µg/mL	+/- 84.9562
2	2-Propanol (isopropanol)	67-63-0	SHBR1699	99%	25,199.0 µg/mL	+/- 412.0520
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00009482	99%	5,039.2 µg/mL	+/- 84.9253
4	tert-Butanol (TBA)	75-65-0	SHBQ8002	99%	25,207.0 µg/mL	+/- 412.1828
5	Methyl acetate	79-20-9	SHBP3100	99%	5,037.0 µg/mL	+/- 84.8888
6	Iodomethane (methyl iodide)	74-88-4	RD240405RSR	99%	5,048.3 µg/mL	+/- 85.0798
7	Allyl chloride (3-chloropropene)	107-05-1	RD240221ECS	99%	5,046.7 µg/mL	+/- 85.0517
8	Carbon disulfide	75-15-0	Q30J743	99%	5,036.0 µg/mL	+/- 84.8719
9	Acrylonitrile	107-13-1	MKCN8129	99%	12,598.0 µg/mL	+/- 206.0015
10	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBQ4873	99%	5,040.7 µg/mL	+/- 84.9506
11	n-Hexane (C6)	110-54-3	102412P22T	99%	5,042.5 µg/mL	+/- 84.9815
12	Diisopropyl ether (DIPE)	108-20-3	STBK8028	99%	5,042.7 µg/mL	+/- 84.9843
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S240508RSR	99%	5,049.7 µg/mL	+/- 85.1023
14	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCT4522	98%	5,049.9 µg/mL	+/- 85.1069
15	Propionitrile	107-12-0	BCCH7430	99%	25,211.0 µg/mL	+/- 412.2482
16	Methacrylonitrile	126-98-7	1012014	99%	12,613.0 µg/mL	+/- 206.2467

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBR1206	99%	63,123.0	µg/mL	+/-	1,032.1821
18	Tetrahydrofuran	109-99-9	SHBQ8516	99%	25,247.0	µg/mL	+/-	412.8369
19	Cyclohexane	110-82-7	MKCS9749	99%	5,046.2	µg/mL	+/-	85.0433
20	1-Butanol	71-36-3	101601K21K	99%	63,110.0	µg/mL	+/-	1,031.9695
21	tert-Amyl methyl ether (TAME)	994-05-8	HMBJ0825	99%	5,038.5	µg/mL	+/-	84.9141
22	n-Heptane (C7)	142-82-5	044743T03G	99%	5,049.2	µg/mL	+/-	85.0938
23	tert-Amyl ethyl ether (TAEE)	919-94-8	IKVYB	97%	5,038.8	µg/mL	+/-	84.9196
24	Methylcyclohexane	108-87-2	SHBN1699	99%	5,044.8	µg/mL	+/-	85.0208
25	Methyl methacrylate	80-62-6	MKCQ2756	99%	5,048.0	µg/mL	+/-	85.0742
26	1,4-Dioxane	123-91-1	SHBQ2407	99%	63,103.0	µg/mL	+/-	1,031.8550
27	2-Nitropropane	79-46-9	BCCB9352	97%	25,238.4	µg/mL	+/-	412.6967
28	Ethyl methacrylate	97-63-2	MKCN6206	97%	5,046.9	µg/mL	+/-	85.0558
29	1-Chlorohexane	544-10-5	BCBS3368V	99%	5,044.5	µg/mL	+/-	85.0152
30	trans-1,4-dichloro-2-butene	110-57-6	RP240130CTH	98%	12,602.8	µg/mL	+/-	206.0799
31	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	5,043.7	µg/mL	+/-	85.0012
32	1,3-Diethylbenzene	141-93-5	BCBZ6270	99%	5,048.3	µg/mL	+/-	85.0798
33	Benzyl chloride	100-44-7	MKCM5986	99%	5,039.8	µg/mL	+/-	84.9365
34	1,4-Diethylbenzene	105-05-5	1135.72-1	99%	5,048.2	µg/mL	+/-	85.0770
35	1,2-Diethylbenzene	135-01-3	BCCG9282	99%	5,049.3	µg/mL	+/-	85.0967
36	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	5,046.3	µg/mL	+/-	85.0461
37	2-Methylnaphthalene	91-57-6	STBL3028	99%	5,045.0	µg/mL	+/-	85.0236

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

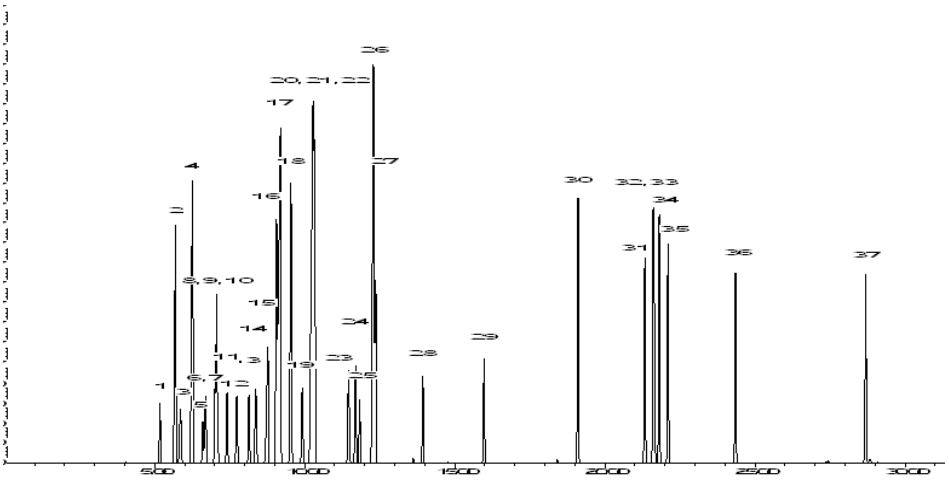
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 24-May-2024 **Balance Serial #** B251644995

Marlina Cowan -- Operations Tech II ARM QC

Date Passed: 30-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_MegaMix#2_00230

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577487 **Lot No.:** A0212010

Description : Custom VOC MegaMix® #2 Standard

Custom VOC MegaMix® #2 Standard 5000-62500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0	STBK5006	99%	5,041.0 µg/mL	+/- 84.9562
2	2-Propanol (isopropanol)	67-63-0	SHBR1699	99%	25,199.0 µg/mL	+/- 412.0520
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00009482	99%	5,039.2 µg/mL	+/- 84.9253
4	tert-Butanol (TBA)	75-65-0	SHBQ8002	99%	25,207.0 µg/mL	+/- 412.1828
5	Methyl acetate	79-20-9	SHBP3100	99%	5,037.0 µg/mL	+/- 84.8888
6	Iodomethane (methyl iodide)	74-88-4	RD240405RSR	99%	5,048.3 µg/mL	+/- 85.0798
7	Allyl chloride (3-chloropropene)	107-05-1	RD240221ECS	99%	5,046.7 µg/mL	+/- 85.0517
8	Carbon disulfide	75-15-0	Q30J743	99%	5,036.0 µg/mL	+/- 84.8719
9	Acrylonitrile	107-13-1	MKCN8129	99%	12,598.0 µg/mL	+/- 206.0015
10	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBQ4873	99%	5,040.7 µg/mL	+/- 84.9506
11	n-Hexane (C6)	110-54-3	102412P22T	99%	5,042.5 µg/mL	+/- 84.9815
12	Diisopropyl ether (DIPE)	108-20-3	STBK8028	99%	5,042.7 µg/mL	+/- 84.9843
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S240508RSR	99%	5,049.7 µg/mL	+/- 85.1023
14	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCT4522	98%	5,049.9 µg/mL	+/- 85.1069
15	Propionitrile	107-12-0	BCCH7430	99%	25,211.0 µg/mL	+/- 412.2482
16	Methacrylonitrile	126-98-7	1012014	99%	12,613.0 µg/mL	+/- 206.2467

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBR1206	99%	63,123.0	µg/mL	+/-	1,032.1821
18	Tetrahydrofuran	109-99-9	SHBQ8516	99%	25,247.0	µg/mL	+/-	412.8369
19	Cyclohexane	110-82-7	MKCS9749	99%	5,046.2	µg/mL	+/-	85.0433
20	1-Butanol	71-36-3	101601K21K	99%	63,110.0	µg/mL	+/-	1,031.9695
21	tert-Amyl methyl ether (TAME)	994-05-8	HMBJ0825	99%	5,038.5	µg/mL	+/-	84.9141
22	n-Heptane (C7)	142-82-5	044743T03G	99%	5,049.2	µg/mL	+/-	85.0938
23	tert-Amyl ethyl ether (TAEE)	919-94-8	IKVYB	97%	5,038.8	µg/mL	+/-	84.9196
24	Methylcyclohexane	108-87-2	SHBN1699	99%	5,044.8	µg/mL	+/-	85.0208
25	Methyl methacrylate	80-62-6	MKCQ2756	99%	5,048.0	µg/mL	+/-	85.0742
26	1,4-Dioxane	123-91-1	SHBQ2407	99%	63,103.0	µg/mL	+/-	1,031.8550
27	2-Nitropropane	79-46-9	BCCB9352	97%	25,238.4	µg/mL	+/-	412.6967
28	Ethyl methacrylate	97-63-2	MKCN6206	97%	5,046.9	µg/mL	+/-	85.0558
29	1-Chlorohexane	544-10-5	BCBS3368V	99%	5,044.5	µg/mL	+/-	85.0152
30	trans-1,4-dichloro-2-butene	110-57-6	RP240130CTH	98%	12,602.8	µg/mL	+/-	206.0799
31	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	5,043.7	µg/mL	+/-	85.0012
32	1,3-Diethylbenzene	141-93-5	BCBZ6270	99%	5,048.3	µg/mL	+/-	85.0798
33	Benzyl chloride	100-44-7	MKCM5986	99%	5,039.8	µg/mL	+/-	84.9365
34	1,4-Diethylbenzene	105-05-5	1135.72-1	99%	5,048.2	µg/mL	+/-	85.0770
35	1,2-Diethylbenzene	135-01-3	BCCG9282	99%	5,049.3	µg/mL	+/-	85.0967
36	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	5,046.3	µg/mL	+/-	85.0461
37	2-Methylnaphthalene	91-57-6	STBL3028	99%	5,045.0	µg/mL	+/-	85.0236

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

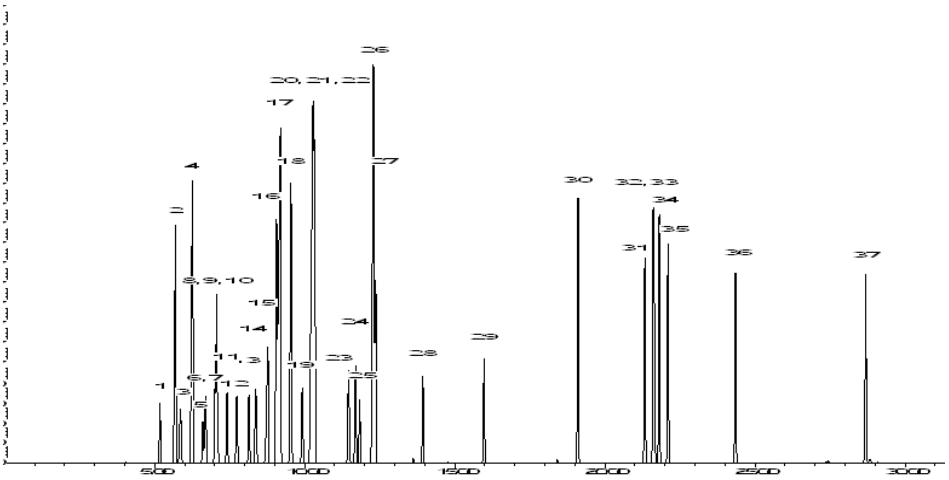
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 24-May-2024 **Balance Serial #** B251644995

Marlina Cowan -- Operations Tech II ARM QC

Date Passed: 30-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_MegaMix#2_00232

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577487 **Lot No.:** A0212010

Description : Custom VOC MegaMix® #2 Standard

Custom VOC MegaMix® #2 Standard 5000-62500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0	STBK5006	99%	5,041.0 µg/mL	+/- 84.9562
2	2-Propanol (isopropanol)	67-63-0	SHBR1699	99%	25,199.0 µg/mL	+/- 412.0520
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00009482	99%	5,039.2 µg/mL	+/- 84.9253
4	tert-Butanol (TBA)	75-65-0	SHBQ8002	99%	25,207.0 µg/mL	+/- 412.1828
5	Methyl acetate	79-20-9	SHBP3100	99%	5,037.0 µg/mL	+/- 84.8888
6	Iodomethane (methyl iodide)	74-88-4	RD240405RSR	99%	5,048.3 µg/mL	+/- 85.0798
7	Allyl chloride (3-chloropropene)	107-05-1	RD240221ECS	99%	5,046.7 µg/mL	+/- 85.0517
8	Carbon disulfide	75-15-0	Q30J743	99%	5,036.0 µg/mL	+/- 84.8719
9	Acrylonitrile	107-13-1	MKCN8129	99%	12,598.0 µg/mL	+/- 206.0015
10	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBQ4873	99%	5,040.7 µg/mL	+/- 84.9506
11	n-Hexane (C6)	110-54-3	102412P22T	99%	5,042.5 µg/mL	+/- 84.9815
12	Diisopropyl ether (DIPE)	108-20-3	STBK8028	99%	5,042.7 µg/mL	+/- 84.9843
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S240508RSR	99%	5,049.7 µg/mL	+/- 85.1023
14	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCT4522	98%	5,049.9 µg/mL	+/- 85.1069
15	Propionitrile	107-12-0	BCCH7430	99%	25,211.0 µg/mL	+/- 412.2482
16	Methacrylonitrile	126-98-7	1012014	99%	12,613.0 µg/mL	+/- 206.2467

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBR1206	99%	63,123.0	µg/mL	+/-	1,032.1821
18	Tetrahydrofuran	109-99-9	SHBQ8516	99%	25,247.0	µg/mL	+/-	412.8369
19	Cyclohexane	110-82-7	MKCS9749	99%	5,046.2	µg/mL	+/-	85.0433
20	1-Butanol	71-36-3	101601K21K	99%	63,110.0	µg/mL	+/-	1,031.9695
21	tert-Amyl methyl ether (TAME)	994-05-8	HMBJ0825	99%	5,038.5	µg/mL	+/-	84.9141
22	n-Heptane (C7)	142-82-5	044743T03G	99%	5,049.2	µg/mL	+/-	85.0938
23	tert-Amyl ethyl ether (TAEE)	919-94-8	IKVYB	97%	5,038.8	µg/mL	+/-	84.9196
24	Methylcyclohexane	108-87-2	SHBN1699	99%	5,044.8	µg/mL	+/-	85.0208
25	Methyl methacrylate	80-62-6	MKCQ2756	99%	5,048.0	µg/mL	+/-	85.0742
26	1,4-Dioxane	123-91-1	SHBQ2407	99%	63,103.0	µg/mL	+/-	1,031.8550
27	2-Nitropropane	79-46-9	BCCB9352	97%	25,238.4	µg/mL	+/-	412.6967
28	Ethyl methacrylate	97-63-2	MKCN6206	97%	5,046.9	µg/mL	+/-	85.0558
29	1-Chlorohexane	544-10-5	BCBS3368V	99%	5,044.5	µg/mL	+/-	85.0152
30	trans-1,4-dichloro-2-butene	110-57-6	RP240130CTH	98%	12,602.8	µg/mL	+/-	206.0799
31	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	5,043.7	µg/mL	+/-	85.0012
32	1,3-Diethylbenzene	141-93-5	BCBZ6270	99%	5,048.3	µg/mL	+/-	85.0798
33	Benzyl chloride	100-44-7	MKCM5986	99%	5,039.8	µg/mL	+/-	84.9365
34	1,4-Diethylbenzene	105-05-5	1135.72-1	99%	5,048.2	µg/mL	+/-	85.0770
35	1,2-Diethylbenzene	135-01-3	BCCG9282	99%	5,049.3	µg/mL	+/-	85.0967
36	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	5,046.3	µg/mL	+/-	85.0461
37	2-Methylnaphthalene	91-57-6	STBL3028	99%	5,045.0	µg/mL	+/-	85.0236

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

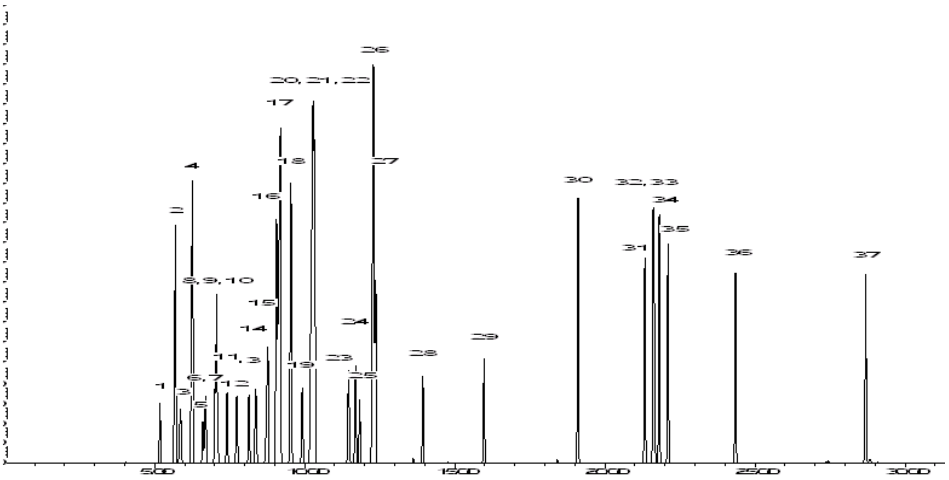
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 24-May-2024 **Balance Serial #** B251644995

Marlina Cowan -- Operations Tech II ARM QC

Date Passed: 30-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_MegaMix#2_00235

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577487 **Lot No.:** A0212010

Description : Custom VOC MegaMix® #2 Standard

Custom VOC MegaMix® #2 Standard 5000-62500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0	STBK5006	99%	5,041.0 µg/mL	+/- 84.9562
2	2-Propanol (isopropanol)	67-63-0	SHBR1699	99%	25,199.0 µg/mL	+/- 412.0520
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00009482	99%	5,039.2 µg/mL	+/- 84.9253
4	tert-Butanol (TBA)	75-65-0	SHBQ8002	99%	25,207.0 µg/mL	+/- 412.1828
5	Methyl acetate	79-20-9	SHBP3100	99%	5,037.0 µg/mL	+/- 84.8888
6	Iodomethane (methyl iodide)	74-88-4	RD240405RSR	99%	5,048.3 µg/mL	+/- 85.0798
7	Allyl chloride (3-chloropropene)	107-05-1	RD240221ECS	99%	5,046.7 µg/mL	+/- 85.0517
8	Carbon disulfide	75-15-0	Q30J743	99%	5,036.0 µg/mL	+/- 84.8719
9	Acrylonitrile	107-13-1	MKCN8129	99%	12,598.0 µg/mL	+/- 206.0015
10	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBQ4873	99%	5,040.7 µg/mL	+/- 84.9506
11	n-Hexane (C6)	110-54-3	102412P22T	99%	5,042.5 µg/mL	+/- 84.9815
12	Diisopropyl ether (DIPE)	108-20-3	STBK8028	99%	5,042.7 µg/mL	+/- 84.9843
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S240508RSR	99%	5,049.7 µg/mL	+/- 85.1023
14	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCT4522	98%	5,049.9 µg/mL	+/- 85.1069
15	Propionitrile	107-12-0	BCCH7430	99%	25,211.0 µg/mL	+/- 412.2482
16	Methacrylonitrile	126-98-7	1012014	99%	12,613.0 µg/mL	+/- 206.2467

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBR1206	99%	63,123.0	µg/mL	+/-	1,032.1821
18	Tetrahydrofuran	109-99-9	SHBQ8516	99%	25,247.0	µg/mL	+/-	412.8369
19	Cyclohexane	110-82-7	MKCS9749	99%	5,046.2	µg/mL	+/-	85.0433
20	1-Butanol	71-36-3	101601K21K	99%	63,110.0	µg/mL	+/-	1,031.9695
21	tert-Amyl methyl ether (TAME)	994-05-8	HMBJ0825	99%	5,038.5	µg/mL	+/-	84.9141
22	n-Heptane (C7)	142-82-5	044743T03G	99%	5,049.2	µg/mL	+/-	85.0938
23	tert-Amyl ethyl ether (TAEE)	919-94-8	IKVYB	97%	5,038.8	µg/mL	+/-	84.9196
24	Methylcyclohexane	108-87-2	SHBN1699	99%	5,044.8	µg/mL	+/-	85.0208
25	Methyl methacrylate	80-62-6	MKCQ2756	99%	5,048.0	µg/mL	+/-	85.0742
26	1,4-Dioxane	123-91-1	SHBQ2407	99%	63,103.0	µg/mL	+/-	1,031.8550
27	2-Nitropropane	79-46-9	BCCB9352	97%	25,238.4	µg/mL	+/-	412.6967
28	Ethyl methacrylate	97-63-2	MKCN6206	97%	5,046.9	µg/mL	+/-	85.0558
29	1-Chlorohexane	544-10-5	BCBS3368V	99%	5,044.5	µg/mL	+/-	85.0152
30	trans-1,4-dichloro-2-butene	110-57-6	RP240130CTH	98%	12,602.8	µg/mL	+/-	206.0799
31	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	5,043.7	µg/mL	+/-	85.0012
32	1,3-Diethylbenzene	141-93-5	BCBZ6270	99%	5,048.3	µg/mL	+/-	85.0798
33	Benzyl chloride	100-44-7	MKCM5986	99%	5,039.8	µg/mL	+/-	84.9365
34	1,4-Diethylbenzene	105-05-5	1135.72-1	99%	5,048.2	µg/mL	+/-	85.0770
35	1,2-Diethylbenzene	135-01-3	BCCG9282	99%	5,049.3	µg/mL	+/-	85.0967
36	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	5,046.3	µg/mL	+/-	85.0461
37	2-Methylnaphthalene	91-57-6	STBL3028	99%	5,045.0	µg/mL	+/-	85.0236

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

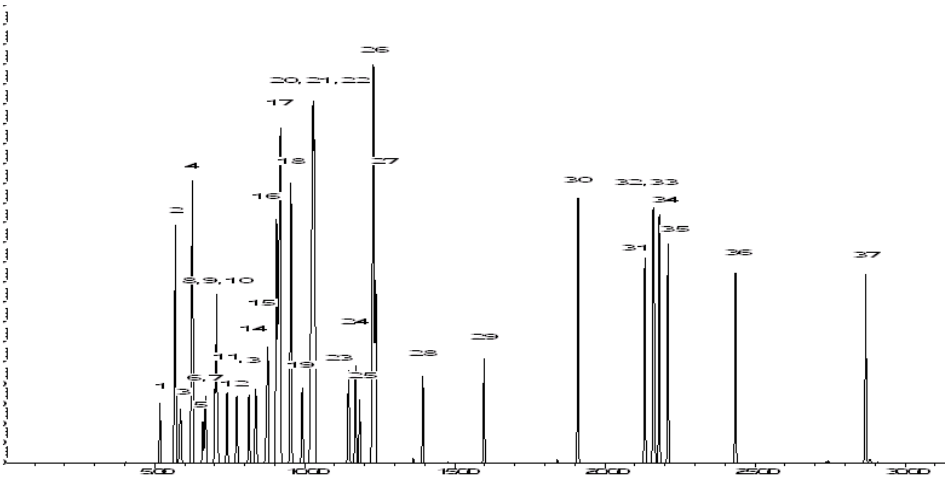
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 24-May-2024 **Balance Serial #** B251644995

Marlina Cowan -- Operations Tech II ARM QC

Date Passed: 30-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_Q_PentaCL_00051

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577498 **Lot No.:** A0197449

Description : Custom Pentachloroethane.SEC Standard

Custom Pentachloroethane.SEC Standard 1,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachloroethane	76-01-7.SEC	815779	99%	1,004.0 µg/mL	+/- 56.4136

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

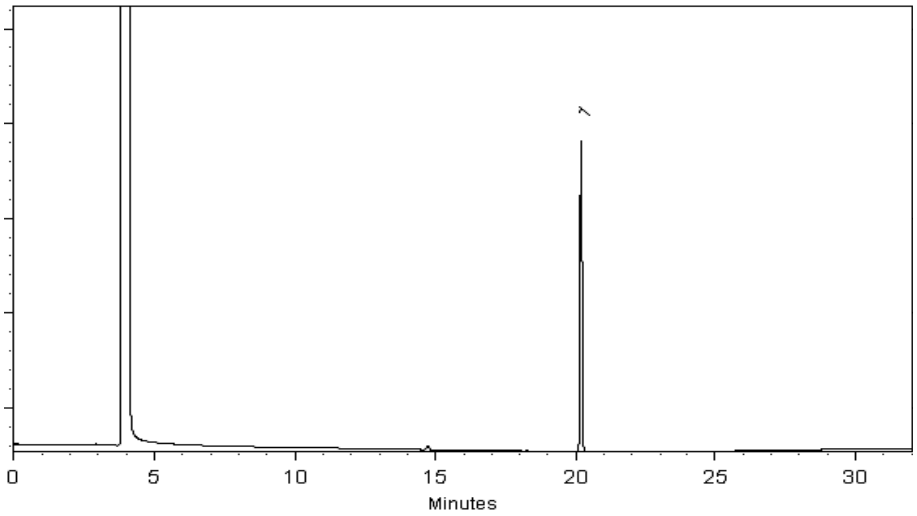
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Bryan Snyder - Operations Tech I

Date Mixed: 26-Apr-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_Q_PentaCL_00054

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577498 **Lot No.:** A0197449

Description : Custom Pentachloroethane.SEC Standard

Custom Pentachloroethane.SEC Standard 1,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachloroethane	76-01-7.SEC	815779	99%	1,004.0 µg/mL	+/- 56.4136

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

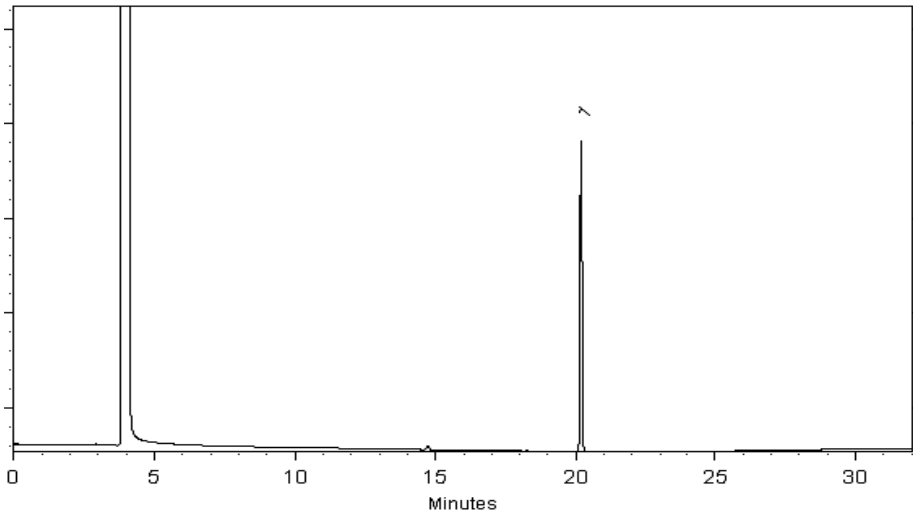
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Bryan Snyder - Operations Tech I

Date Mixed: 26-Apr-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_QC_2K_GAS_00303

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577488.SEC **Lot No.:** A0211460

Description : Custom Gases.SEC Standard

Custom Gases.SEC Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28888	99%	2,002.3 µg/mL	+/- 116.3467
2	Chloromethane (methyl chloride)	74-87-3.SEC	00022694	99%	2,014.2 µg/mL	+/- 117.1824
3	Vinyl chloride	75-01-4 *	00015559	99%	2,009.3 µg/mL	+/- 117.9630
4	1,3-Butadiene	106-99-0.SEC	28539	99%	2,030.2 µg/mL	+/- 117.6986
5	Bromomethane (methyl bromide)	74-83-9 *	00017022	99%	2,017.1 µg/mL	+/- 136.9230
6	Chloroethane (ethyl chloride)	75-00-3.SEC	00021903	99%	2,005.3 µg/mL	+/- 122.7081
7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14485600	90%	2,016.0 µg/mL	+/- 113.2616
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,020.0 µg/mL	+/- 113.4863
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4 *	877500	99%	2,005.1 µg/mL	+/- 115.4133

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

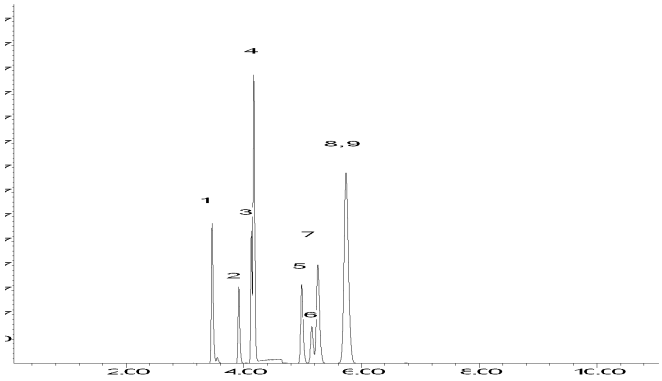
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Matt Fragassi - Mix Technician

Date Mixed: 15-May-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_QC_2K_GAS_00307

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577488.SEC **Lot No.:** A0211460

Description : Custom Gases.SEC Standard

Custom Gases.SEC Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28888	99%	2,002.3 µg/mL	+/- 116.3467
2	Chloromethane (methyl chloride)	74-87-3.SEC	00022694	99%	2,014.2 µg/mL	+/- 117.1824
3	Vinyl chloride	75-01-4 *	00015559	99%	2,009.3 µg/mL	+/- 117.9630
4	1,3-Butadiene	106-99-0.SEC	28539	99%	2,030.2 µg/mL	+/- 117.6986
5	Bromomethane (methyl bromide)	74-83-9 *	00017022	99%	2,017.1 µg/mL	+/- 136.9230
6	Chloroethane (ethyl chloride)	75-00-3.SEC	00021903	99%	2,005.3 µg/mL	+/- 122.7081
7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14485600	90%	2,016.0 µg/mL	+/- 113.2616
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,020.0 µg/mL	+/- 113.4863
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4 *	877500	99%	2,005.1 µg/mL	+/- 115.4133

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

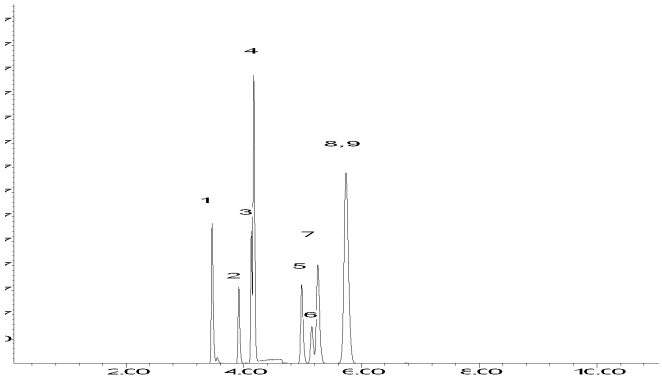
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Matt Fragassi - Mix Technician

Date Mixed: 15-May-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V#2B_00428

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 56734 **Lot No.:** A0211456

Description : Custom V # 2B Standard

Custom V #2B Standard 12,500-125,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

Elution Order	Compound	CAS #	Percent Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2-Propanol (isopropanol)	67-63-0	99%	25,027.0 µg/mL	+/- 146.5386 µg/mL
2	tert-Butanol (TBA)	75-65-0	99%	25,028.0 µg/mL	+/- 146.5444 µg/mL
3	Propionitrile	107-12-0	99%	25,017.0 µg/mL	+/- 146.4800 µg/mL
4	Methacrylonitrile	126-98-7	99%	12,514.0 µg/mL	+/- 73.2722 µg/mL
5	Isobutanol (2-Methyl-1-propanol)	78-83-1	99%	62,518.0 µg/mL	+/- 366.0566 µg/mL
6	1-Butanol	71-36-3	99%	125,047.0 µg/mL	+/- 732.1399 µg/mL
7	1,4-Dioxane	123-91-1	99%	62,517.0 µg/mL	+/- 366.0508 µg/mL
8	trans-1,4-dichloro-2-butene	110-57-6	98%	12,522.4 µg/mL	+/- 73.3216 µg/mL
Solvent:	P&T Methanol	67-56-1	99%		

Specific Reference Material Notes:

This RM (Reference Material) is not a CRM (Certified Reference Material) due to the 1-butanol concentration exceeding the maximum concentration on Restek's ISO Guide 34 scope of accreditation.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

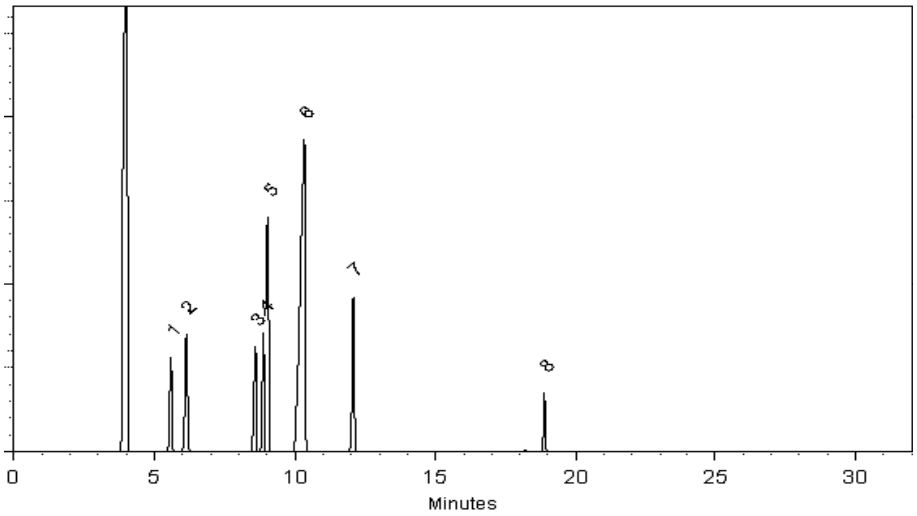
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 15-May-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the RM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Uncertainty Value Notes:

- Uncertainties are determined using data from balances and glassware, raw material purity, and, when significant, equipment tolerances or calibration results.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

MSV_V_2CLEVE_00223

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577492 **Lot No.:** A0211425

Description : Custom 2-CEVE Standard

Custom 2-CEVE Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Chloroethyl vinyl ether	110-75-8	MKBS6526V	99%	5,044.0 µg/mL	+/- 62.7735

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

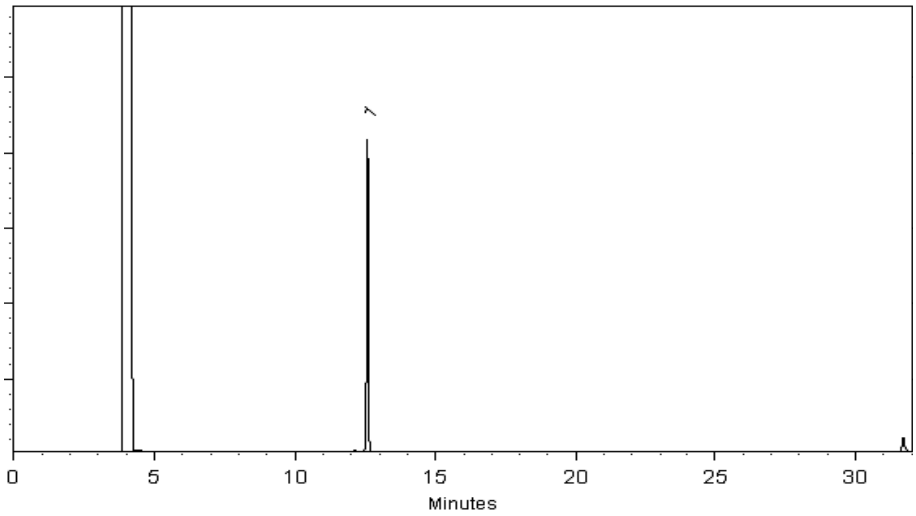
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 14-May-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_2CLEVE_00229

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577492 **Lot No.:** A0211425

Description : Custom 2-CEVE Standard

Custom 2-CEVE Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Chloroethyl vinyl ether	110-75-8	MKBS6526V	99%	5,044.0 µg/mL	+/- 62.7735

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

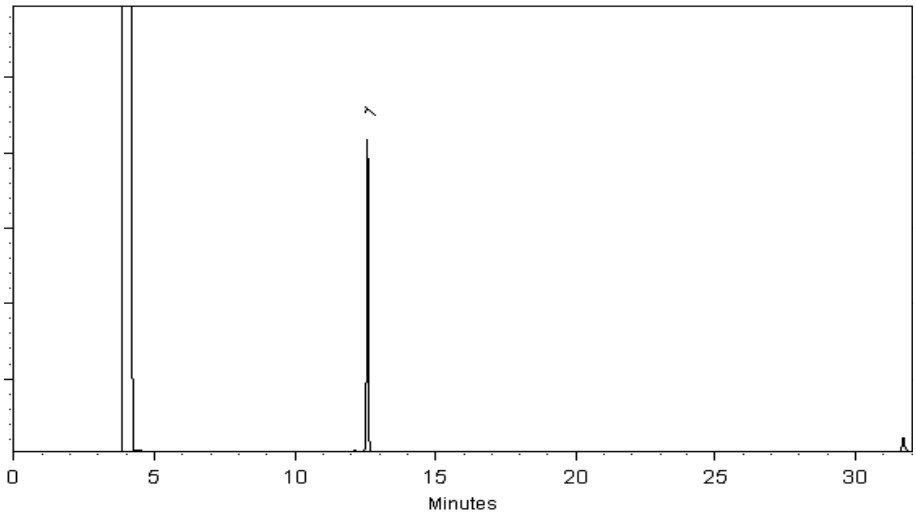
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 14-May-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_2CLEVE_00235

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577492 **Lot No.:** A0211425

Description : Custom 2-CEVE Standard

Custom 2-CEVE Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Chloroethyl vinyl ether	110-75-8	MKBS6526V	99%	5,044.0 µg/mL	+/- 62.7735

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

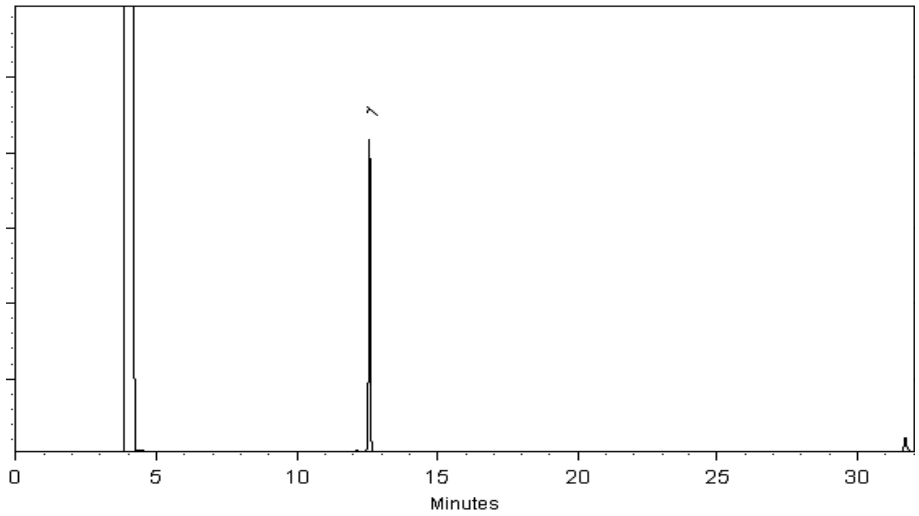
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 14-May-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_Ketones_00215

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0210935

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	12,591.3 µg/mL	+/- 435.1857
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	12,561.0 µg/mL	+/- 434.1373
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	12,580.0 µg/mL	+/- 434.7940
4	2-Hexanone	591-78-6	MKCV1997	99%	12,580.7 µg/mL	+/- 434.8170

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)

CAS # 67-56-1/7732-18-5

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

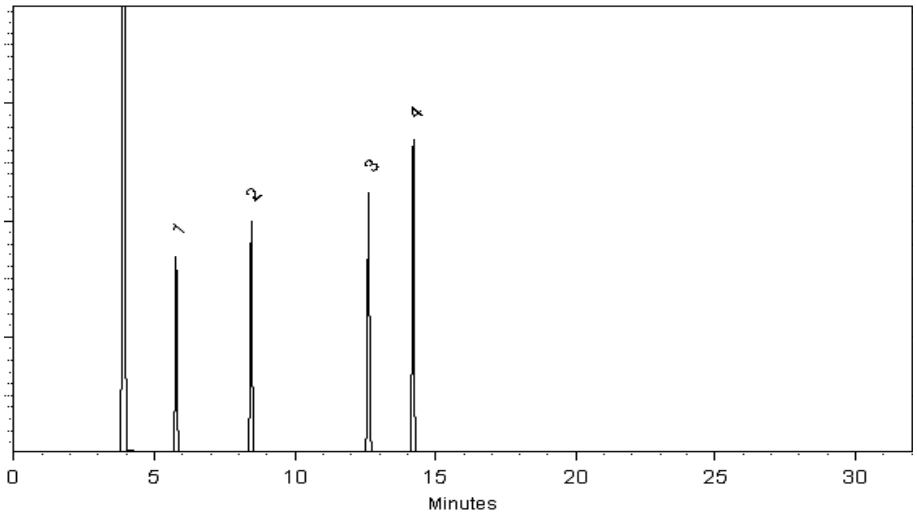
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 30-Apr-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 02-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_Ketones_00230

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0210935

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	12,591.3 µg/mL	+/- 435.1857
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	12,561.0 µg/mL	+/- 434.1373
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	12,580.0 µg/mL	+/- 434.7940
4	2-Hexanone	591-78-6	MKCV1997	99%	12,580.7 µg/mL	+/- 434.8170

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)

CAS # 67-56-1/7732-18-5

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

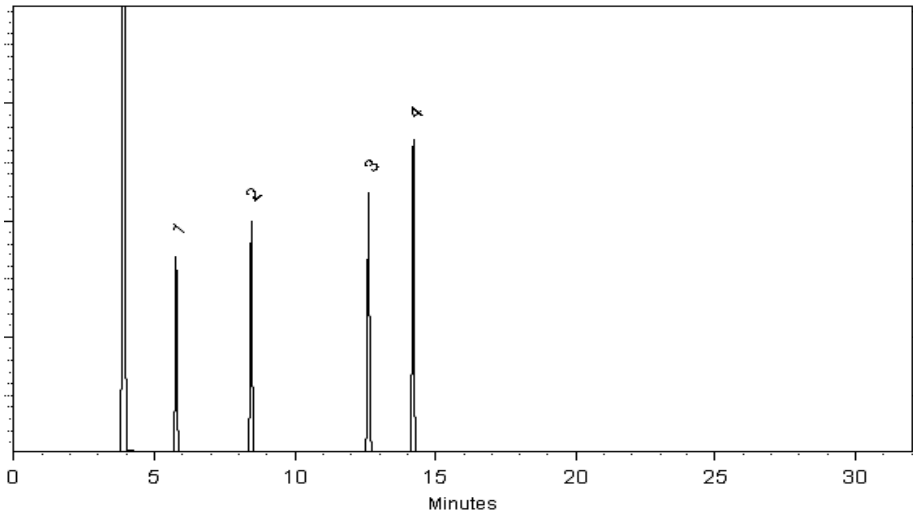
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 30-Apr-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 02-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_Ketones_00231

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0210935

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	12,591.3 µg/mL	+/- 435.1857
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	12,561.0 µg/mL	+/- 434.1373
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	12,580.0 µg/mL	+/- 434.7940
4	2-Hexanone	591-78-6	MKCV1997	99%	12,580.7 µg/mL	+/- 434.8170

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)

CAS # 67-56-1/7732-18-5

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

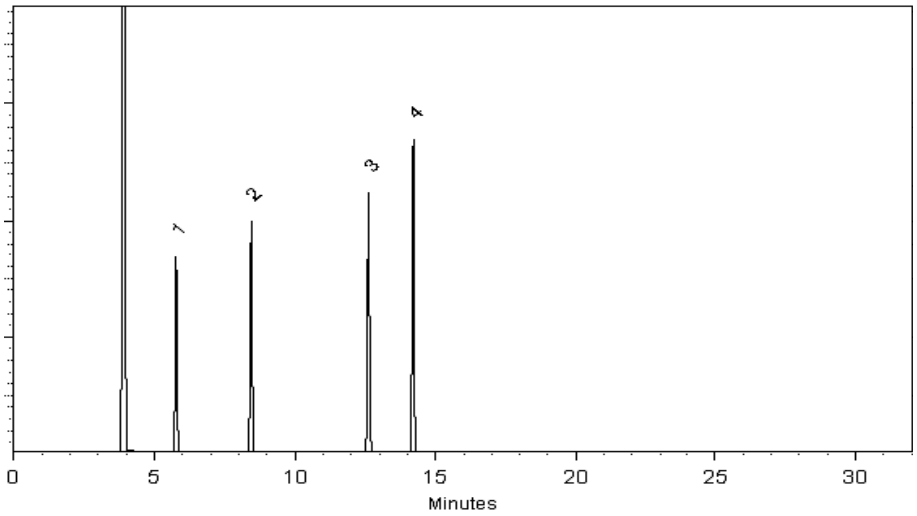
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 30-Apr-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 02-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_Ketones_00234

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0210935

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	12,591.3 µg/mL	+/- 435.1857
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	12,561.0 µg/mL	+/- 434.1373
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	12,580.0 µg/mL	+/- 434.7940
4	2-Hexanone	591-78-6	MKCV1997	99%	12,580.7 µg/mL	+/- 434.8170

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)

CAS # 67-56-1/7732-18-5

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

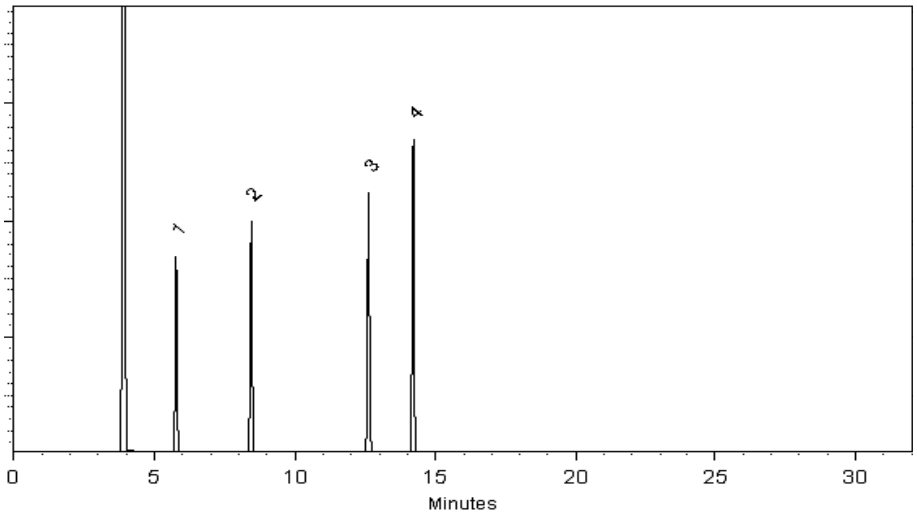
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 30-Apr-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 02-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_PentaCL_00052

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577491 **Lot No.:** A0197490

Description : Custom Pentachloroethane Standard

Custom Pentachloroethane Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachloroethane	76-01-7	13550700	97%	5,011.0 µg/mL	+/- 281.5258

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

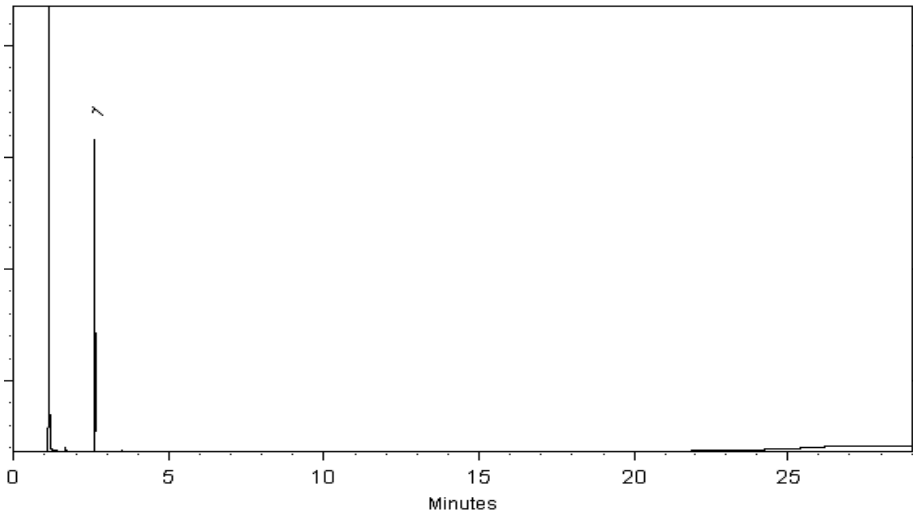
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Nick Yaw - Operations Tech I

Date Mixed: 26-Apr-2023 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_PentaCL_00054

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577491 **Lot No.:** A0197490

Description : Custom Pentachloroethane Standard

Custom Pentachloroethane Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachloroethane	76-01-7	13550700	97%	5,011.0 µg/mL	+/- 281.5258

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

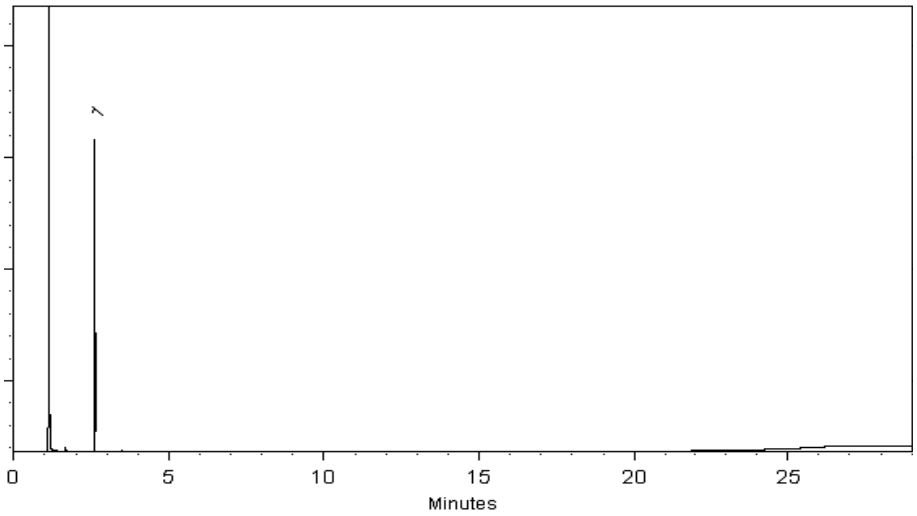
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Nick Yaw - Operations Tech I

Date Mixed: 26-Apr-2023 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_SMFreon_00062

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577490 **Lot No.:** A0197864

Description : Custom SM Freons Standard

Custom SM Freons Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlorotrifluoroethylene	79-38-9	202600	99%	1,999.9 µg/mL	+/- 116.8216
2	Chlorodifluoromethane (CFC-22)	75-45-6	Q162-44	99%	2,004.5 µg/mL	+/- 121.9609
3	2-Chloro-1,1,1-trifluoroethane (HCFC-133a)	75-88-7	Q157-146	99%	1,991.8 µg/mL	+/- 129.5770

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

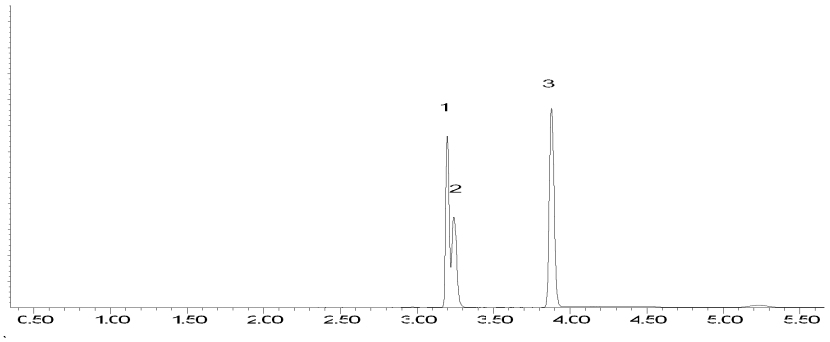
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 09-May-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MT_1KV_PIV_00008

7221 Investment Drive • North Charleston, SC 29418
843.767.7900 • info@highpuritystandards.com • www.highpuritystandards.com

Certificate of Analysis

Certified Reference Material

ISO 17034:2016 (RMP) Accreditation Certificate Number AR-1436

Product Description: Vanadium

Product Number: **100065-1-100**

Lot Number: **2413810-100**

Matrix: 2% HNO3

Density: 1.022 g/mL ± 0.002 g/mL @ 21.2°C ± 0.3°C

Certified Value:

Element	µg/mL	SRM ID
V	1000 ± 4	3165

The Certified value is based on gravimetric and volumetric preparation, and verified against NIST SRM 3100 series when available via inductively coupled plasma optical emission spectrometry (ICP-OES) and/or inductively coupled plasma mass spectrometry (ICP-MS) using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor k is about 2.
* Refer to Traceability Information, Section 4

Uncertified Values:

Trace Metal Impurity Scan: The data reported are based upon a scan of this specific lot via ICP-OES/ICP-MS analysis. The values are reported in µg/L.

Ag	<0.02	Cu	<0.02	Li	<0.02	Rb	<0.5	Th	<0.02
Al	58	Dy	<0.02	Lu	<0.02	Re	<0.02	Ti	8.4
As	<0.05	Er	<0.02	Mg	<0.1	Rh	<0.02	Tl	<0.02
Au	<0.02	Eu	<0.02	Mn	<2.4	Ru	<0.02	Tm	<0.02
B	<5.3	Fe	56	Mo	<6.2	Sb	<23	U	<2.5
Ba	1.1	Ga	<3.1	Na	<26	Sc	<0.02	V	M
Be	<0.02	Gd	<0.02	Nb	<0.1	Se	<0.1	W	<0.9
Bi	<0.02	Ge	<0.02	Nd	<0.02	Si	<50	Y	<0.3
Ca	<3	Hf	<0.02	Ni	<0.02	Sm	<0.02	Yb	<0.1
Cd	<0.02	Ho	<0.02	Os	<0.02	Sn	<0.5	Zn	<0.02
Ce	<0.02	In	<0.02	Pb	<0.05	Sr	<0.1	Zr	<0.9
Co	<2.5	Ir	<0.02	Pd	<0.02	Ta	<0.02		
Cr	53	K	<6.1	Pr	<0.02	Tb	<0.02		
Cs	<0.02	La	<0.02	Pt	<0.02	Te	<0.02		

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Expiration Information:

The expiry date is guaranteed to be valid for eighteen months from the shipping date provided and is guaranteed through the month of expiration. For this reason, standards from the same lot may have different expiration dates.

Shipped Date: September 2024

Expiration Date: March 31, 2026

Certificate Issue Date: June 4, 2024

Julio Soto, Quality Manager

Preparation Information:

This Certified Reference Material is prepared using **99.99%** pure **Ammonium Metavanadate** which was purchased from a qualified vendor per ISO 9001 guidelines and assayed by analytical methods for conformity prior to use. This standard was manufactured under appropriate laboratory conditions using the methods developed at NIST for SRM Spectrometric Standard Solutions. Sub-boiling distilled high-purity acid has been used to place the materials in solution and stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. Stability of this product is based upon rigorous short-term and long-term testing of the solution for the certified value. This testing includes, but is not limited to, the effect of temperature and packaging on the product. If, during the period of validity, a recall is instituted due to substantial changes in the stability of this product, the purchaser will be notified.

Homogeneity:

This product is determined to be homogeneous following in-house procedures developed in accordance with the requirements of ISO 17034 and ISO Guide 35.

Intended Use:

This product is intended for use as a calibration standard, quality control standard, and/or for the validation of analytical methods. The standard is confirmed homogeneous; therefore, the minimum sample size should be consistent with the end user's measurement capabilities.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

1. **Standard Weight and Analytical Balanee**
   The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in 'NIST Weights and Measures Measurement Assurance Program' with a certificate of measurement traceability to NIST primary standards. The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.
2. **Volumetric Device**
   The calibrations of volumetric vessels are verified using the ASTM method E542.
3. **Thermometer**
   The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.
4. **Calibration Standards**
   The Calibration Standard is traceable to SRM 3100 Series Spectrometric Standard Solutions. If an SRM is not available, a second source standard or independent lot is used.

Refer to Safety Datasheet (SDS) for hazardous information.

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High-Purity Standards.

Reagent

MT_H3NO_Fishe_00061

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H330	Quality Test / Release Date	08/21/2024
Lot Number	243373		
Description	HYDROXYLAMINE HYDROCHLORIDE, A.C.S.		
Country of Origin	India	Suggested Retest Date	Feb/2027

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Colorless to white crystals
AMMONIUM (NH4)	PASS/FAIL	= PASS TEST	PASS TEST
ASSAY	%	>= 96	98.6
CLARITY OF ALCOHOL SOLUTION	PASS/FAIL	= PASS TEST	PASS TEST
HEAVY METALS BY ICP-OES	ppm	<= 5	<5
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IGNITION RESIDUE	%	<= 0.05	0.03
IRON (Fe)	ppm	<= 5	<5
MERCURY (Hg)	ppm	<= 0.05	<0.05
SULFUR COMPOUNDS	%	<= 0.005	<0.005
TITRATABLE FREE ACID	MEQ/G	<= 0.25	<0.25

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Reagent

MT_HCL_VWR_00002

Certificate of Analysis

Material Number:	87003-251 | 87003-253
Material Description:	Hydrochloric Acid
Grade:	BDH Aristar® Plus
Lot Number:	4124090
Date of Manufacture:	2024-Nov-19
Use By:	2027-Nov-19
CAS Number:	7647-01-0
Molecular Weight:	36.46 g/mol
Molecular Formula:	HCl

Analyte	Maximum Specification	Actual Value
Assay (HCl)	34 - 37 % w/w	35% w/w
Color	10 APHA	< 7 APHA
Aluminum (Al)	1 ppb	< 0.2 ppb
Antimony (Sb)	0.5 ppb	< 0.1 ppb
Arsenic (As)	0.5 ppb	< 0.1 ppb
Barium (Ba)	0.1 ppb	< 0.1 ppb
Beryllium (Be)	0.1 ppb	< 0.1 ppb
Bismuth (Bi)	0.1 ppb	< 0.1 ppb
Boron (B)	1 ppb	< 0.1 ppb
Cadmium (Cd)	0.1 ppb	< 0.1 ppb
Calcium (Ca)	1 ppb	< 0.1 ppb
Cerium (Ce)	0.1 ppb	< 0.1 ppb
Cesium (Cs)	0.1 ppb	< 0.1 ppb
Chromium (Cr)	0.5 ppb	< 0.1 ppb
Cobalt (Co)	0.1 ppb	< 0.1 ppb
Copper (Cu)	0.5 ppb	< 0.1 ppb
Dysprosium (Dy)	0.1 ppb	< 0.1 ppb
Erbium (Er)	0.1 ppb	< 0.1 ppb
Europium (Eu)	0.1 ppb	< 0.1 ppb
Gadolinium (Gd)	0.1 ppb	< 0.1 ppb
Gallium (Ga)	0.1 ppb	< 0.1 ppb
Gold (Au)	0.5 ppb	< 0.1 ppb
Hafnium (Hf)	0.1 ppb	< 0.1 ppb
Holmium (Ho)	0.1 ppb	< 0.1 ppb
Indium (In)	0.1 ppb	< 0.1 ppb
Iron (Fe)	1 ppb	< 0.5 ppb
Lanthanum (La)	0.1 ppb	< 0.1 ppb
Lead (Pb)	0.1 ppb	< 0.1 ppb
Lithium (Li)	0.1 ppb	< 0.1 ppb
Lutetium (Lu)	0.1 ppb	< 0.1 ppb
Magnesium (Mg)	0.5 ppb	< 0.1 ppb
Manganese (Mn)	0.1 ppb	< 0.1 ppb
Mercury (Hg)	0.1 ppb	< 0.02 ppb
Molybdenum (Mo)	0.1 ppb	< 0.1 ppb
Neodymium (Nd)	0.1 ppb	< 0.1 ppb
Nickel (Ni)	0.5 ppb	< 0.2 ppb

Certificate of Analysis

Material Number:	87003-251 | 87003-253
Material Description:	Hydrochloric Acid
Grade:	BDH Aristar® Plus
Lot Number:	4124090
Date of Manufacture:	2024-Nov-19
Use By:	2027-Nov-19
CAS Number:	7647-01-0
Molecular Weight:	36.46 g/mol
Molecular Formula:	HCl

Analyte	Maximum Specification	Actual Value
Niobium (Nb)	0.1 ppb	< 0.1 ppb
Palladium (Pd)	Information Only	< 0.5 ppb
Platinum (Pt)	Information Only	< 0.5 ppb
Potassium (K)	1 ppb	< 0.1 ppb
Praseodymium (Pr)	0.1 ppb	< 0.1 ppb
Rhenium (Re)	0.1 ppb	< 0.1 ppb
Rhodium (Rh)	0.1 ppb	< 0.1 ppb
Rubidium (Rb)	0.1 ppb	< 0.1 ppb
Ruthenium (Ru)	0.1 ppb	< 0.1 ppb
Samarium (Sm)	0.1 ppb	< 0.1 ppb
Scandium (Sc)	0.1 ppb	< 0.1 ppb
Selenium (Se)	1 ppb	< 0.1 ppb
Silver (Ag)	1 ppb	< 0.1 ppb
Sodium (Na)	1 ppb	< 0.1 ppb
Strontium (Sr)	0.1 ppb	< 0.1 ppb
Tantalum (Ta)	Information Only	< 1 ppb
Tellurium (Te)	0.1 ppb	< 0.1 ppb
Terbium (Tb)	0.1 ppb	< 0.1 ppb
Thallium (Tl)	0.1 ppb	< 0.1 ppb
Thorium (Th)	0.1 ppb	< 0.1 ppb
Thulium (Tm)	0.1 ppb	< 0.1 ppb
Tin (Sn)	0.5 ppb	< 0.1 ppb
Titanium (Ti)	0.5 ppb	< 0.1 ppb
Tungsten (W)	0.1 ppb	< 0.1 ppb
Uranium (U)	0.1 ppb	< 0.1 ppb
Vanadium (V)	0.5 ppb	< 0.1 ppb
Ytterbium (Yb)	0.1 ppb	< 0.1 ppb
Yttrium (Y)	0.1 ppb	< 0.1 ppb
Zinc (Zn)	1 ppb	< 0.1 ppb
Zirconium (Zr)	0.1 ppb	< 0.1 ppb
Bromide (Br^-)	10 ppm	< 10 ppm
Free Chlorine (Cl_2)	0.5 ppm	< 0.5 ppm
Total Phosphorus (P)	0.01 ppm	< 0.01 ppm
Total Sulfur (S)	0.3 ppm	< 0.3 ppm

Greg Henson
QA & RA Manager

Reagent

MT_HNO3_FI_00018

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	A200	Quality Test / Release Date	12/19/2024
Lot Number	245385		
Description	NITRIC ACID, CERTIFIED ACS		
Country of Origin	Canada		
Chemical Origin	Inorganic-non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless free of suspended matter
ALUMINUM	ppm	<= 0.2	<0.2
ARSENIC (As)	ppm	<= 0.004	<0.004
ASSAY	w/w %	Inclusive Between 68.0 - 70.0	69.7
BORON (B)	ppm	<= 0.1	<0.1
CALCIUM (Ca)	ppm	<= 0.2	<0.2
CHLORIDE	ppm	<= 0.08	<0.08
CHROMIUM (Cr)	ppm	<= 0.1	<0.1
COLOR	APHA	<= 10	<10
COPPER (Cu)	ppm	<= 0.05	<0.05
GOLD (Au)	ppm	<= 0.3	<0.3
HEAVY METALS (as Pb)	ppm	<= 0.2	<0.2
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IRON (Fe)	ppm	<= 0.2	<0.2
LEAD (Pb)	ppm	<= 0.1	<0.1
MAGNESIUM (Mg)	ppm	<= 0.3	<0.3
NICKEL (Ni)	ppm	<= 0.05	<0.05
PHOSPHATE (PO4)	ppm	<= 0.2	<0.2
POTASSIUM (K)	ppm	<= 0.3	<0.3
RESIDUE AFTER IGNITION	ppm	<= 2	<2
SODIUM (Na)	ppm	<= 0.3	<0.3
SULFATE (SO4)	ppm	<= 0.5	<0.5
TIN (Sn)	ppm	<= 0.3	<0.3
TITANIUM (Ti)	ppm	<= 0.3	<0.3

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

ZINC (Zn)	ppm	<= 0.3	<0.3

Kalyan Paruchuri - Quality Control Supervisor - Bridgewater

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Reagent

MT_I_CCVSPK-A_00007

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	35-TSPEURF-CCV-A
Lot Number:	V2-MEB742653
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	5 000 µg/mL ea:

Aluminum,	Calcium,
Iron,	Potassium,
Magnesium,	Sodium,
Sulfur,	

100 µg/mL ea:

Selenium,	Strontium,
Thorium,	Thallium,
Vanadium,	Zinc,
Silver,	Nickel,
Phosphorus,	Lead,
Manganese,	Lithium,
Cadmium,	Cobalt,
Chromium,	Copper,
Arsenic,	Boron,
Barium,	Beryllium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	5 000 ± 18 µg/mL	Arsenic, As	100.0 ± 0.8 µg/mL
Barium, Ba	100.0 ± 0.4 µg/mL	Beryllium, Be	100.0 ± 0.6 µg/mL
Boron, B	100.0 ± 0.7 µg/mL	Cadmium, Cd	100.0 ± 0.4 µg/mL
Calcium, Ca	5 000 ± 16 µg/mL	Chromium, Cr	100.0 ± 0.6 µg/mL
Cobalt, Co	100.0 ± 0.6 µg/mL	Copper, Cu	100.0 ± 0.5 µg/mL
Iron, Fe	5 000 ± 22 µg/mL	Lead, Pb	100.0 ± 0.5 µg/mL
Lithium, Li	100.0 ± 0.4 µg/mL	Magnesium, Mg	5 000 ± 22 µg/mL
Manganese, Mn	100.0 ± 0.5 µg/mL	Nickel, Ni	100.0 ± 0.6 µg/mL
Phosphorus, P	100.0 ± 0.5 µg/mL	Potassium, K	5 000 ± 22 µg/mL
Selenium, Se	100.0 ± 0.6 µg/mL	Silver, Ag	100.0 ± 0.4 µg/mL
Sodium, Na	5 000 ± 22 µg/mL	Strontium, Sr	100.0 ± 0.5 µg/mL
Sulfur, S	5 000 ± 23 µg/mL	Thallium, Tl	100.0 ± 0.5 µg/mL
Thorium, Th	100.0 ± 0.5 µg/mL	Vanadium, V	100.0 ± 0.5 µg/mL
Zinc, Zn	100.0 ± 0.5 µg/mL		

Density: 1.124 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
As	Calculated		See Sec. 4.2
B	ICP Assay	3107	190605
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Li	ICP Assay	3129a	100714
Li	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	200413
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
P	ICP Assay	3139a	060717
P	Acidimetric	84L	84L
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
S	Acidimetric	84L	84L
S	ICP Assay	Traceable to 3154	T2-S727797
Se	ICP Assay	3149	100901
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Th	EDTA	928	928
Tl	ICP Assay	3158	151215
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information (https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver)

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

April 01, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **April 01, 2029**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Joseph Burns
Custom VS Manager

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Reagent

MT_I_CCVSPK-B_00006

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	35-TSPEURF-CCV-B
Lot Number:	V2-MEB742654
Matrix:	5% (v/v) HNO3 2.9% (v/v) HF
Value / Analyte(s):	5 000 µg/mL ea: Silicon, 100 µg/mL ea: Tin, Titanium, Tungsten, Zirconium, Molybdenum, Antimony

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	**100.0 ± 0.8 µg/mL**	**Molybdenum, Mo**	**100.0 ± 0.6 µg/mL**
Silicon, Si	**5 000 ± 36 µg/mL**	**Tin, Sn**	**100.0 ± 0.6 µg/mL**
Titanium, Ti	**100.0 ± 0.8 µg/mL**	**Tungsten, W**	**100.0 ± 0.7 µg/mL**
Zirconium, Zr	**100.0 ± 0.7 µg/mL**		

Density: 1.050 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Mo	ICP Assay	3134	130418
Sb	ICP Assay	3102a	140911
Si	ICP Assay	Traceable to 3150	S2-SI702546
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	3162a	130925
W	ICP Assay	3163	140606
Zr	ICP Assay	3169	130920

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

April 01, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **April 01, 2029**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Joseph Burns
Custom VS Manager

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Reagent

MT_K2S2O8_JT_00052

Potassium Persulfate
BAKER ANALYZED® Reagent
(potassium peroxydisulfate)

Material No.: 3238-05
Batch No.: 22D2261044
Manufactured Date: 2021-07-28
Retest Date: 2028-07-26
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay ($K_2S_2O_8$) (by gravimetry)	≥ 99.0 %	99.5 %
Trace Impurities - Iron (Fe)	≤ 0.001 %	< 0.001 %
Trace Impurities - ACS - Heavy Metals (as Pb)	≤ 5 ppm	< 5 ppm
Trace Impurities - Manganese (Mn)	≤ 2.000 ppm	< 2.000 ppm

For Laboratory,Research,or Manufacturing Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Reagent

MT_K2S2O8_JT_00053

Potassium Persulfate
BAKER ANALYZED® Reagent
(potassium peroxydisulfate)

Material No.: 3238-05
Batch No.: 22D2261044
Manufactured Date: 2021-07-28
Retest Date: 2028-07-26
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay ($K_2S_2O_8$) (by gravimetry)	≥ 99.0 %	99.5 %
Trace Impurities - Iron (Fe)	≤ 0.001 %	< 0.001 %
Trace Impurities - ACS - Heavy Metals (as Pb)	≤ 5 ppm	< 5 ppm
Trace Impurities - Manganese (Mn)	≤ 2.000 ppm	< 2.000 ppm

For Laboratory,Research,or Manufacturing Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Reagent

MT_KMnO4_LC_00002

LabChem
Part of TCP Analytical Group
Jackson's Pointe Commerce Park- Building 1000
1010 Jackson's Pointe Court, Zelienople, PA 16063

Certificate of Analysis

Potassium Permanganate ACS

Product Code: **LC198501**

Manufacture Date: October 28, 2024

Lot Number: **44100407**

Test	Specification	Result
Appearance (color)	dark purple	dark purple
Appearance (state)	crystals	crystals
Assay - % w/w	>= 99.0 % w/w	99.5% w/w
Chloride and bromide (as Cl)	<= 0.005 %	<0.005%
Insoluble Matter and NH4OH ppt	<= 0.2 %	<0.2%
Sulfate (SO4)	<= 0.02 %	<0.02%

Intended Use *- Product is intended for use in manufacturing procedures and laboratory procedures and protocols.*

Storage Information *- Unless noted on the product label, store the product under normal lab conditions in its tightly closed original container. Do not pipet directly from the container or return unused portions to the container.*

Instructions for Handling and Use - *Please refer to the associated product label and Safety Data Sheet (SDS) for informa regarding safety and handling of this product.*

Preparation - *All products are manufactured and tested according to established, documented procedures and methodology Production documentation records manufacturing data, raw material traceability and testing history on a per lot basis. Balance thermometers, and glassware are calibrated before first use and on a regular schedule with references traceable to NIST standards.*

Michael Monteleone

Quality Control
Michael Monteleone
Chemistry Supervisor

ISO 9001:2015 Registration #0306-01

Reagent

MT_NaCl_Fis_00001

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	S271	Quality Test / Release Date	07/29/2024
Lot Number	243064		
Description	SODIUM CHLORIDE, CERTIFIED A.C.S.		
Country of Origin	United States	Suggested Retest Date	Jul/2029
Chemical Origin	Inorganic-non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		
Comment	This material does not contain any BPA (Bisphenol A), phthalates/phthalate esters or animal derived substances.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	White solid.
ASSAY	%	>= 99.0	99.6
BARIUM (Ba)	PASS/FAIL	= PASS TEST	PASS TEST
BROMIDE	%	<= 0.01	<0.01
CALCIUM	%	<= 0.002	0.0003
CHLORATE & NITRATE	%	<= 0.003	<0.003
HEAVY METALS BY ICP-OES	ppm	<= 5	<5
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
INSOLUBLE MATTER	%	<= 0.005	<0.005
IODIDE	%	<= 0.002	<0.002
IRON (Fe)	ppm	<= 2	<1
MAGNESIUM	%	<= 0.001	0.0005
PH 5% SOLUTION @ 25 DEG C		Inclusive Between 5.0 - 9.0	6.4
PHOSPHATE (PO4)	ppm	<= 5	<5
POTASSIUM (K)	%	<= 0.005	0.002
SULFATE (SO4)	%	<= 0.004	<0.004

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Reagent

MT_S_10Hg_CPI_00002

09/19/2025

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

Product #: 4400-10PPM331-100

Mercury (Hg) – 10 µg/mL

Lot #: 1452342

Matrix: 2% HNO_3

*Expiration Date: 10 February 2026

Element	Certified Concentration & Uncertainty
Hg	10.00 ± 0.05 µg/mL (w/v)
	10.00 ± 0.05 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 17034, ISO/IEC 17025 and ISO 9001**. This CRM was prepared to a nominal concentration of 10 µg/mL by gravimetric methods using single-element concentrate. The solution was diluted with filtered (0.22um), 18 M-ohm water and stabilized with the appropriate high-purity acid as indicated in the listed matrix. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3133**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<0.5	Co	<1	Ge	<0.5	Lu	<0.2	P	<100	Sb	<0.5	Te	<1
Al	<2	Cs	<0.5	Hf	<0.2	Mg	<5	Pb	<1	Sc	<5	Ti	<2
As	<2	Cr	<0.5	Hg	MAJOR	Mn	<1	Pd	<0.5	Se	<2	Tl	<0.5
Au	<0.5	Cu	<1	Ho	<0.2	Mo	<0.5	Pr	<0.2	Si	<100	Tm	<0.2
B	<5	Dy	<0.2	In	nd	Na	<25	Pt	<0.5	Sm	<0.2	V	<1
Ba	<1	Er	<0.2	Ir	<0.2	Nb	<0.5	Rb	<0.5	Sn	<0.5	W	<0.5
Bi	<0.2	Eu	<0.2	K	<25	Nd	<0.2	Re	<0.2	Sr	<1	Y	<0.5
Ca	<25	Fe	<10	La	<0.5	Ni	<2	Rh	<0.5	Ta	<0.5	Yb	<0.2
Cd	<0.5	Ga	<0.5	Li	<2	Os	<0.5	Ru	1	Tb	<0.5	Zn	<2
Ce	<0.2	Gd	<0.2										

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution until the date shown above or ***12 Months** from the date opened, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

20 February 2024
Certification Date

Date Opened

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

USA
5580 Skylane Boulevard P: 707.525.5788
Santa Rosa, CA 95403 P: 800.878.7654
F: 707.545.7901

Europe
Nieuwe Hemweg 7P P: +31 20 638 05 97
1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

www.cpiinternational.com

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

Reagent

MT_S_10Hg_CPI_00003

09/19/2025

Page 709 of 4418

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

Product #: 4400-10PPM331-100

Mercury (Hg) – 10 µg/mL

Lot #: 1503810

Matrix: 2% HNO_3

*Expiration Date: 10 February 2026

Element	Certified Concentration & Uncertainty
Hg	10.00 ± 0.05 µg/mL (w/v)
	10.00 ± 0.05 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 17034, ISO/IEC 17025 and ISO 9001**. This CRM was prepared to a nominal concentration of 10 µg/mL by gravimetric methods using single-element concentrate. The solution was diluted with filtered (0.22um), 18 M-ohm water and stabilized with the appropriate high-purity acid as indicated in the listed matrix. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3133**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<0.5	Co	<1	Ge	<0.5	Lu	<0.2	P	<100	Sb	<0.5	Te	<1
Al	<2	Cs	<0.5	Hf	<0.2	Mg	<5	Pb	<1	Sc	<5	Ti	<2
As	<2	Cr	<0.5	Hg	MAJOR	Mn	<1	Pd	<0.5	Se	<2	Tl	<0.5
Au	<0.5	Cu	<1	Ho	<0.2	Mo	<0.5	Pr	<0.2	Si	<100	Tm	<0.2
B	<5	Dy	<0.2	In	nd	Na	<25	Pt	<0.5	Sm	<0.2	V	<1
Ba	<1	Er	<0.2	Ir	<0.2	Nb	<0.5	Rb	<0.5	Sn	<0.5	W	<0.5
Bi	<0.2	Eu	<0.2	K	<25	Nd	<0.2	Re	<0.2	Sr	<1	Y	<0.5
Ca	<25	Fe	<10	La	<0.5	Ni	<2	Rh	<0.5	Ta	<0.5	Yb	<0.2
Cd	<0.5	Ga	<0.5	Li	<2	Os	<0.5	Ru	1	Tb	<0.5	Zn	<2
Ce	<0.2	Gd	<0.2										

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution until the date shown above or ***12 Months** from the date opened, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

20 February 2024
Certification Date

Date Opened

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

USA
5580 Skylane Boulevard P: 707.525.5788
Santa Rosa, CA 95403 P: 800.878.7654
F: 707.545.7901

Europe
Nieuwe Hemweg 7P P: +31 20 638 05 97
1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

www.cpiinternational.com

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

Reagent

MT_S_ICS2A_IV_00019

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	6020ICS-9A
Lot Number:	U2-MEB731104
Matrix:	2% (v/v) HNO3
Value / Analyte(s):	21 215 µg/mL ea: Chloride,
	3 000 µg/mL ea: Calcium,
	2 500 µg/mL ea: Iron, Sodium,
	2 000 µg/mL ea: Carbon,
	1 000 µg/mL ea: Aluminum, Phosphorus, Sulfur, Potassium, Magnesium,
	20 µg/mL ea: Molybdenum, Titanium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	**1 000 ± 3 µg/mL**	**Calcium, Ca**	**3 001 ± 13 µg/mL**
Carbon, C	**2 001 ± 4 µg/mL**	**Chloride, Cl**	**21 230.0 ± 100.0 µg/mL**
Iron, Fe	**2 501 ± 11 µg/mL**	**Magnesium, Mg**	**1 000 ± 4 µg/mL**
Molybdenum, Mo	**20.01 ± 0.11 µg/mL**	**Phosphorus, P**	**1 000 ± 4 µg/mL**
Potassium, K	**1 000 ± 4 µg/mL**	**Sodium, Na**	**2 501 ± 11 µg/mL**
Sulfur, S	**1 001 ± 4 µg/mL**	**Titanium, Ti**	**20.01 ± 0.15 µg/mL**

Density: 1.052 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
C	Acidimetric	84L	84L
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cl	Acidimetric	84L	84L
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mo	ICP Assay	3134	130418
Na	ICP Assay	Traceable to 3152A	S2-NA700842
Na	Gravimetric		See Sec. 4.2
P	ICP Assay	3139a	060717
P	Acidimetric	84L	84L
S	Acidimetric	84L	84L
S	ICP Assay	traceable to 3154	P2-S680745
Ti	ICP Assay	3162a	130925

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000200	M	Er	<	0.000100	M	Mn		0.005000	s	S	<		O	V	<	0.004600
s	Al	<		M	Eu	<	0.000100	s	Mo	<		M	Sb		0.001400	M	W		0.002300
O	As	<	0.085000	s	Fe	<		s	Na	<		M	Sc	<	0.000700	M	Y	<	0.000400
M	Au	<	0.002200	M	Ga		0.015000	M	Nb	<	0.000100	M	Se	<	0.005800	M	Yb	<	0.000100
M	B	<	0.003300	M	Gd	<	0.000100	M	Nd	<	0.000200	O	Si		0.044000	M	Zn		0.004500
M	Ba		0.003900	M	Ge	<	0.002400	M	Ni		0.012000	M	Sm	<	0.000100	M	Zr		0.001600
M	Be	<	0.000200	M	Hf	<	0.000100	M	Os	<	0.003900	M	Sn	<	0.000600				
M	Bi	<	0.001800	M	Hg	<	0.000200	s	P	<		M	Sr		0.017000				
s	Ca	<		M	Ho	<	0.000100	M	Pb	<	0.001200	M	Ta	<	0.000400				
O	Cd		0.004800	M	In	<	0.000100	M	Pd	<	0.000200	M	Tb	<	0.000100				
M	Ce	<	0.000600	M	Ir	<	0.000100	M	Pr	<	0.000100	M	Te	<	0.000600				
M	Co		0.002200	s	K	<		M	Pt	<	0.000100	M	Th	<	0.000100				
M	Cr		0.032000	M	La	<	0.000800	M	Rb		0.026000	s	Ti	<					
M	Cs		0.001900	O	Li		0.001400	M	Re	<	0.001000	M	Tl	<	0.000100				
M	Cu	<	0.008600	M	Lu	<	0.000100	M	Rh	<	0.000100	M	Tm	<	0.000100				
M	Dy	<	0.000100	s	Mg	<		M	Ru	<	0.000100	M	U	<	0.001200				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

March 20, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **March 20, 2028**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

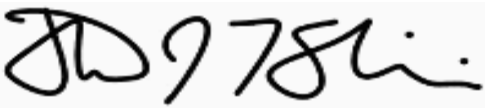
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Reagent

MT_S_ICS2B_IV_00007

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	6020ICS-9B
Lot Number:	S2-MEB711470
Matrix:	3% (v/v) HNO3
Value / Analyte(s):	20 µg/mL ea: Cobalt, Chromium, Copper, Manganese, Nickel, Vanadium, 10 µg/mL ea: Zinc, Arsenic, Cadmium, Selenium, 5 µg/mL ea: Silver

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Arsenic, As	**10.00 ± 0.06 µg/mL**	**Cadmium, Cd**	**10.00 ± 0.04 µg/mL**
Chromium, Cr	**20.01 ± 0.10 µg/mL**	**Cobalt, Co**	**20.01 ± 0.09 µg/mL**
Copper, Cu	**20.01 ± 0.09 µg/mL**	**Manganese, Mn**	**20.01 ± 0.09 µg/mL**
Nickel, Ni	**20.01 ± 0.09 µg/mL**	**Selenium, Se**	**10.00 ± 0.07 µg/mL**
Silver, Ag	**5.002 ± 0.034 µg/mL**	**Vanadium, V**	**20.01 ± 0.09 µg/mL**
Zinc, Zn	**10.00 ± 0.04 µg/mL**		

Density: 1.015 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
As	ICP Assay	3103a	100818
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Cd	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Co	Calculated		See Sec. 4.2
Cr	ICP Assay	3112a	170630
Cr	Calculated		See Sec. 4.2
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Cu	Calculated		See Sec. 4.2
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Mn	Calculated		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Ni	Calculated		See Sec. 4.2
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928
Zn	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)\,(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Low Silver Note: This solution contains “LOW” levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

November 02, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **November 02, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Reagent

MT_S_ICVSPK-A_00007

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-69496
Lot Number:	U2-MEB728821
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	2 500 µg/mL ea:

Aluminum, Calcium,
Iron, Potassium,
Magnesium, Sodium,

250 µg/mL ea:

Nickel, Manganese,
Cobalt, Chromium,
Copper, Arsenic,
Barium, Vanadium,
Zinc,

25 µg/mL ea:

Silver, Beryllium,
Cadmium, Lead,
Selenium, Strontium,
Thallium, Uranium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	2 500 ± 9 µg/mL	Arsenic, As	250.0 ± 2.1 µg/mL
Barium, Ba	250.0 ± 1.2 µg/mL	Beryllium, Be	25.00 ± 0.16 µg/mL
Cadmium, Cd	25.00 ± 0.10 µg/mL	Calcium, Ca	2 500 ± 11 µg/mL
Chromium, Cr	250.0 ± 1.8 µg/mL	Cobalt, Co	250.0 ± 1.2 µg/mL
Copper, Cu	250.0 ± 1.0 µg/mL	Iron, Fe	2 500 ± 10 µg/mL
Lead, Pb	25.00 ± 0.11 µg/mL	Magnesium, Mg	2 500 ± 11 µg/mL
Manganese, Mn	250.0 ± 1.0 µg/mL	Nickel, Ni	250.0 ± 1.1 µg/mL
Potassium, K	2 500 ± 11 µg/mL	Selenium, Se	24.99 ± 0.20 µg/mL
Silver, Ag	25.00 ± 0.13 µg/mL	Sodium, Na	2 500 ± 11 µg/mL
Strontium, Sr	25.01 ± 0.10 µg/mL	Thallium, Tl	25.00 ± 0.13 µg/mL
Uranium, U	25.01 ± 0.15 µg/mL	Vanadium, V	250.0 ± 1.1 µg/mL
Zinc, Zn	250.0 ± 1.1 µg/mL		

Density: 1.074 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	992212
Ag	Volhard	999b	999b
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	060531
Cd	EDTA	928	928
Co	EDTA	928	928
Co	ICP Assay	traceable to 3113	M2-CO661665
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	Traceable to 3152A	S2-NA700842
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Sr	EDTA	928	928
Sr	ICP Assay	3153a	990906
Tl	ICP Assay	3158	151215
U	ICP Assay	3164	891509
U	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Uranium 238U	99.6 ± 0.1
Uranium 235U	0.42 ± 0.05

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 25, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **January 25, 2028**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

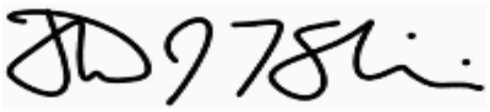
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Reagent

MT_S_ICVSPK-B_00005

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-69497
Lot Number:	U2-MEB728822
Matrix:	5% (v/v) HNO3 tr. HF
Value / Analyte(s):	2 500 µg/mL ea: Titanium, 25 µg/mL ea: Molybdenum, Antimony, Tin

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	**25.01 ± 0.19 µg/mL**	**Molybdenum, Mo**	**25.00 ± 0.15 µg/mL**
Tin, Sn	**25.00 ± 0.13 µg/mL**	**Titanium, Ti**	**2 500 ± 18 µg/mL**

Density: 1.033 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Mo	ICP Assay	3134	130418
Sb	ICP Assay	3102a	140911
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	3162a	130925

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 25, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **January 25, 2028**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

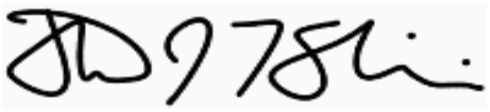
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Reagent

MT_S_MSSPK-A_00006

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-66048-A
Lot Number:	U2-MEB728823
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	5 000 µg/mL ea:

Aluminum, Calcium,
Iron, Potassium,
Magnesium, Sodium,

500 µg/mL ea:

Nickel, Manganese,
Cobalt, Chromium,
Copper, Arsenic,
Barium, Vanadium,
Zinc,

50 µg/mL ea:

Silver, Beryllium,
Cadmium, Lead,
Selenium, Strontium,
Thallium, Uranium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	5 008 ± 18 µg/mL	Arsenic, As	500.8 ± 3.7 µg/mL
Barium, Ba	500.8 ± 2.3 µg/mL	Beryllium, Be	50.07 ± 0.33 µg/mL
Cadmium, Cd	50.07 ± 0.23 µg/mL	Calcium, Ca	5 008 ± 22 µg/mL
Chromium, Cr	500.8 ± 2.9 µg/mL	Cobalt, Co	500.8 ± 2.4 µg/mL
Copper, Cu	500.8 ± 2.0 µg/mL	Iron, Fe	5 008 ± 21 µg/mL
Lead, Pb	50.08 ± 0.22 µg/mL	Magnesium, Mg	5 008 ± 22 µg/mL
Manganese, Mn	500.8 ± 2.0 µg/mL	Nickel, Ni	500.8 ± 2.2 µg/mL
Potassium, K	5 008 ± 22 µg/mL	Selenium, Se	50.09 ± 0.32 µg/mL
Silver, Ag	50.07 ± 0.22 µg/mL	Sodium, Na	5 008 ± 22 µg/mL
Strontium, Sr	50.07 ± 0.19 µg/mL	Thallium, Tl	50.07 ± 0.36 µg/mL
Uranium, U	50.08 ± 0.27 µg/mL	Vanadium, V	500.8 ± 2.2 µg/mL
Zinc, Zn	500.8 ± 2.2 µg/mL		

Density: 1.130 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
As	Calculated		See Sec. 4.2
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	Traceable to 3152A	S2-NA700842
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Tl	ICP Assay	3158	151215
U	ICP Assay	3164	080521
U	Calculated		See Sec. 4.2
U	X_U_CRM		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Uranium 238U	99.8 ± 0.1
Uranium 235U	0.19 ± 0.05

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 26, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **January 26, 2028**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

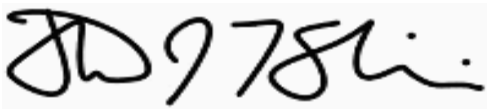
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Reagent

MT_S_MSSPK-B_00006

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-66048-B
Lot Number:	U2-MEB728824
Matrix:	5% (v/v) HNO3 tr. HF
Value / Analyte(s):	5 000 µg/mL ea: Titanium, 50 µg/mL ea: Molybdenum, Antimony, Tin

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	**49.99 ± 0.37 µg/mL**	**Molybdenum, Mo**	**50.00 ± 0.28 µg/mL**
Tin, Sn	**49.99 ± 0.32 µg/mL**	**Titanium, Ti**	**5 000 ± 37 µg/mL**

Density: 1.042 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Mo	ICP Assay	3134	130418
Sb	ICP Assay	3102a	140911
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	3162a	130925

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 26, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **January 26, 2028**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

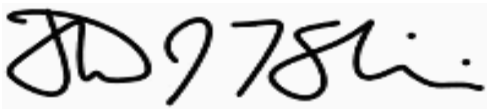
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Reagent

MT_S_MWLLC_SC_00009

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-76463
Lot Number:	V2-MEB748176
Matrix:	2% (v/v) HNO3 tr. HF
Value / Analyte(s):	200 µg/mL ea: Potassium, Sodium, 100 µg/mL ea: Calcium, 50 µg/mL ea: Iron, Magnesium, 25 µg/mL ea: Aluminum, 10 µg/mL ea: Titanium, Zinc, 2 µg/mL ea: Tin, Arsenic, Barium, Chromium, Manganese, 1 µg/mL ea: Nickel, Copper, Strontium, Antimony, Selenium, Uranium, 0.5 µg/mL ea: Vanadium, Thallium, Cadmium, Cobalt, Beryllium, Lead, Silver, Molybdenum

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	24.98 ± 0.09 µg/mL	Antimony, Sb	1.001 ± 0.006 µg/mL
Arsenic, As	1.999 ± 0.012 µg/mL	Barium, Ba	2.001 ± 0.012 µg/mL
Beryllium, Be	0.5001 ± 0.0026 µg/mL	Cadmium, Cd	0.5001 ± 0.0030 µg/mL
Calcium, Ca	100.0 ± 0.3 µg/mL	Chromium, Cr	1.999 ± 0.012 µg/mL
Cobalt, Co	0.4997 ± 0.0022 µg/mL	Copper, Cu	1.001 ± 0.006 µg/mL
Iron, Fe	50.02 ± 0.22 µg/mL	Lead, Pb	0.4996 ± 0.0022 µg/mL
Magnesium, Mg	50.02 ± 0.22 µg/mL	Manganese, Mn	2.000 ± 0.010 µg/mL
Molybdenum, Mo	0.5004 ± 0.0034 µg/mL	Nickel, Ni	1.000 ± 0.006 µg/mL
Potassium, K	200.1 ± 0.9 µg/mL	Selenium, Se	1.000 ± 0.005 µg/mL
Silver, Ag	0.4998 ± 0.0034 µg/mL	Sodium, Na	200.1 ± 0.9 µg/mL
Strontium, Sr	1.000 ± 0.004 µg/mL	Thallium, Tl	0.4993 ± 0.0026 µg/mL
Tin, Sn	2.000 ± 0.014 µg/mL	Titanium, Ti	9.98 ± 0.06 µg/mL
Uranium, U	1.000 ± 0.005 µg/mL	Vanadium, V	0.5001 ± 0.0026 µg/mL
Zinc, Zn	10.01 ± 0.05 µg/mL		

Density: 1.011 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
As	Calculated		See Sec. 4.2
Ba	ICP Assay	3104a	140909
Ba	Calculated		See Sec. 4.2
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Cd	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Co	Calculated		See Sec. 4.2
Cr	ICP Assay	3112a	170630
Cr	Calculated		See Sec. 4.2
Cu	ICP Assay	3114	120618
Cu	EDTA	928	928
Cu	Calculated		See Sec. 4.2
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Mn	Calculated		See Sec. 4.2
Mo	ICP Assay	3134	130418
Mo	Calculated		See Sec. 4.2
Na	ICP Assay	3152a	200413
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Ni	Calculated		See Sec. 4.2
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Pb	Calculated		See Sec. 4.2
Sb	ICP Assay	3102a	140911
Sb	Calculated		See Sec. 4.2
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Sn	ICP Assay	3161a	140917

Sn	Calculated		See Sec. 4.2
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Sr	Calculated		See Sec. 4.2
Ti	ICP Assay	traceable to 3162a	T2-TI725816
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2
U	ICP Assay	traceable to 3164	R2-U689597
U	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
V	Calculated		See Sec. 4.2
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Uranium 238U	99.8 ± 0.1
Uranium 235U	0.19 ± 0.05

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information (https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver)

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

October 31, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **October 31, 2029**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Joseph Burns
Custom VS Manager

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Reagent

MT_SULF_FI_00022

ThermoFisher SCIENTIFIC

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	A300	Quality Test / Release Date	09/11/2023
Lot Number	233289		
Description	SULFURIC ACID, ACS grade		
Country of Origin	United States	Suggested Retest Date	Sep/2028
Chemical Origin	Inorganic-non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Colorless and free from suspended or insoluble matter
AMMONIUM (NH4)	ppm	<= 2	<1
ARSENIC (As)	ppm	<= 0.01	<0.001
ASSAY	w/w %	Inclusive Between 95.0 - 98.0	96.5
CHLORIDE	ppm	<= 0.2	<0.1
COLOR	APHA	<= 10	<10
HEAVY METALS (as Pb)	ppm	<= 1	<0.005
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IRON (Fe)	ppm	<= 0.2	<0.2
MERCURY (Hg)	ppb	<= 5	<5
NITRATE (NO3)	ppm	<= 0.5	<0.1
RESIDUE AFTER IGNITION	ppm	<= 5	<3
SUBSTANCES REDUCING KMNO4	ppm	<= 2	<2.0

Harout Sahagian - Quality Control Supervisor - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Reagent

MT_SULF_FI_00026

ThermoFisher SCIENTIFIC

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	A300	Quality Test / Release Date	11/20/2024
Lot Number	245290	Expiration Date	Sep/2026
Description	SULFURIC ACID, ACS grade		
Country of Origin	United States		
Chemical Origin	Inorganic-non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
AMMONIUM (NH4)	ppm	<= 2	<2
ARSENIC (As)	ppm	<= 0.01	<0.01
ASSAY	w/w %	Inclusive Between 95.0 - 98.0	96.5
CHLORIDE	ppm	<= 0.2	<0.2
COLOR	APHA	<= 10	<10
HEAVY METALS (as Pb)	ppm	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IRON (Fe)	ppm	<= 0.2	<0.2
MERCURY (Hg)	ppb	<= 5	<5
NITRATE (NO3)	ppm	<= 0.5	<0.5
RESIDUE AFTER IGNITION	ppm	<= 5	<5
SUBSTANCES REDUCING KMNO4	ppm	<= 2	<2

Kalyan Paruchuri - Quality Control Supervisor - Bridgewater

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Reagent

OP_APPIX5_STK_00005

OP_APPIX5_STK-00005

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569942-5 **Lot No.:** A0219848

Description : Custom Rev Appendix IX Kit/ Ampule 5

Custom Rev Appendix IX Kit/ Ampule 5 21,000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : June 30, 2026 **Storage:** 0°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Phenylenediamine	106-50-3	15834600	99%	21,020.0 µg/mL	+/- 388.6327

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Penelope Riglin - Operations Tech I

Date Mixed: 08-Dec-2024 **Balance:** C322230531

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

C:\CPData\CP38\Data\38scrn2435002.008.RAW
410-201337-G-9-A
Response - MilliVolts (span=22258)
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
20000
Time - Minutes (span=8.0)
2.0
3.0
4.0
5.0
6.0
7.0
8.0
9.0
2.76
7.28

Reagent

OP_DILAMIN_NT_00004

OR_VITAMIN_MT_00004

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Dicyclohexylamine

CATALOG NUMBER	N-11685-1G
LOT NUMBER	14651300
DATE CERTIFIED	08/15/23
EXPIRATION DATE	08/31/26
CAS NUMBER	101-83-7
MOLECULAR FORMULA	C12H23N
MOLECULAR WEIGHT	181.32
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/FID)	99.5
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
GC/MS SPECTRA ID	MATCHES NIST LIBRARY

COA Form
Revision 5.0 (10/23)

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER

Chem Service, Inc. is accredited to ISO/IEC 17025:2017, ISO 17034:2016 and certified to ISO 9001:2015

Print Date: 12/05/23

Reagent

OP_KEPONE_NT_00003

OP-KEPONE-NT-00003

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Chlordecone

CATALOG NUMBER	N-12291-100MG
LOT NUMBER	14311400
DATE CERTIFIED	11/29/21
EXPIRATION DATE	11/30/27
CAS NUMBER	143-50-0
MOLECULAR FORMULA	C10Cl10O
MOLECULAR WEIGHT	490.60
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
GC/MS SPECTRA ID	MATCHES NIST LIBRARY
% PURITY	90.7
TGA ANALYSIS	9.3% RESIDUAL SOLVENT/WATER

COA Form
Revision 4.0 (05/2023)

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER

Chem Service, Inc. is accredited to ISO/IEC 17025:2017, ISO 17034:2016 and certified to ISO 9001:2015

Print Date: 05/15/23

Reagent

OP_LCSmix2stk_00009

OP_LCSmix25K-00009

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is Intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732 **Lot No.:** A0212130

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	2,012.5 µg/mL	+/- 59.1067
2	epsilon-Caprolactam	105-60-2	I16X016	99%	2,014.5 µg/mL	+/- 59.1655
3	Atrazine	1912-24-9	5FYWL	99%	2,001.1 µg/mL	+/- 58.7726

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

OP_LCSmix2stk_00010

OP-LCSmix2stk-00010

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732 **Lot No.:** A0217501

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L., k=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	2,010.8 µg/mL	+/- 59.0568
2	epsilon-Caprolactam	105-60-2	Y16H012	99%	2,016.3 µg/mL	+/- 59.2183
3	Atrazine	1912-24-9	5FYWL	99%	2,015.3 µg/mL	+/- 59.1901

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

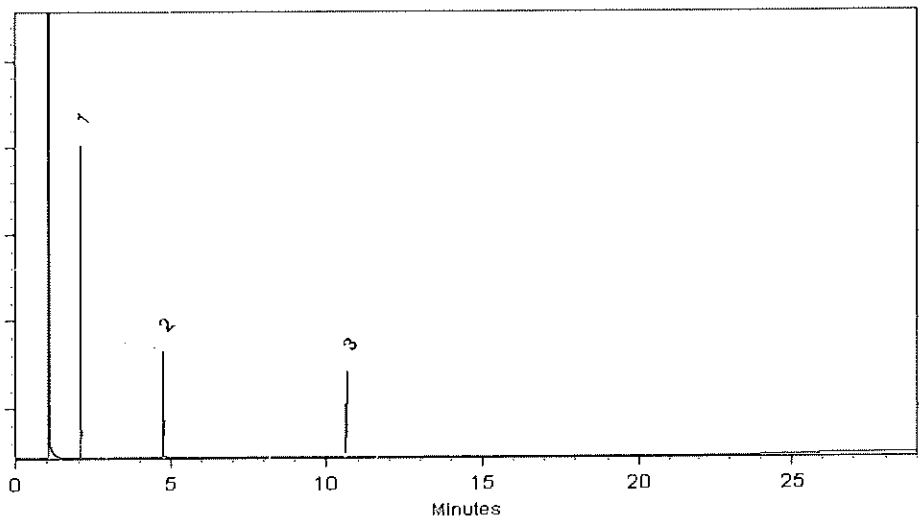
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I Date Mixed: 07-Oct-2024 Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC Date Passed: 08-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

OP_LCSmix2stk_00011

OP_LCSmix25tk00011

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732 **Lot No.:** A0222846

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/weight)	Expanded Uncertainty * (95% C.I., K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	2,000.5 µg/mL	+/- 58.7543
2	epsilon-Caprolactam	105-60-2	Y16H012	99%	2,000.5 µg/mL	+/- 58.7543
3	Atrazine	1912-24-9	5FYWL	99%	2,000.9 µg/mL	+/- 58.7665

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

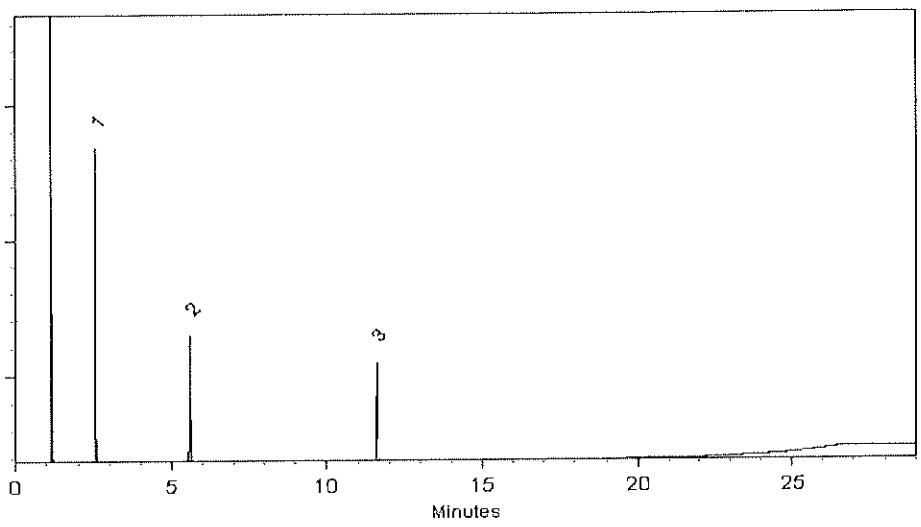
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I **Date Mixed:** 28-Feb-2025 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 05-Mar-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

OP_NNDIM_NT_00004

OP-NNDFm-NT-00004

CHEM SERVICE INC

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

N,N-Dimethylaniline

CATALOG NUMBER	N-12626-1G
LOT NUMBER	15670900
DATE CERTIFIED	09/18/24
EXPIRATION DATE	09/30/28
CAS NUMBER	121-69-7
MOLECULAR FORMULA	C8H11N
MOLECULAR WEIGHT	121.20
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/FID)	98.0
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE

Chem Service, Inc. guarantees the purity in the un-opened container with a combined and expanded uncertainty of +/- 0.5%, using a coverage factor of k=2 for a confidence interval of approximately 95%. The traceability to the International System of Units (SI) for gravimetric preparation and its analysis is given through an unbroken chain of comparisons using a balance calibrated with NIST-traceable mass standards and calibrated by a qualified and ISO 17025 accredited calibration laboratory. Individual analytes are traceable to NIST SRMs by direct comparison of retention times in analytical chromatographic methods and/or their NMR or MS or IR spectra, where available and when specified above. Analytical methods are executed in accordance with ISO 17034-requirements on devices calibrated using ISO 17034-certified or NIST reference materials. This CRM is intended for R&D and analytical use only, not for drug, household, or other uses. Open the container slowly and carefully to prevent dispersion or contamination. Chem Service is accredited by ANAB as a registered reference material producer in accordance with ISO 17034.

Certified By:

Alan Murray
Analytical Manager

COA Form
Revision 5.0 (10/23)

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER

Chem Service, Inc. is accredited to ISO/IEC 17025:2017, ISO 17034:2016 and certified to ISO 9001:2015

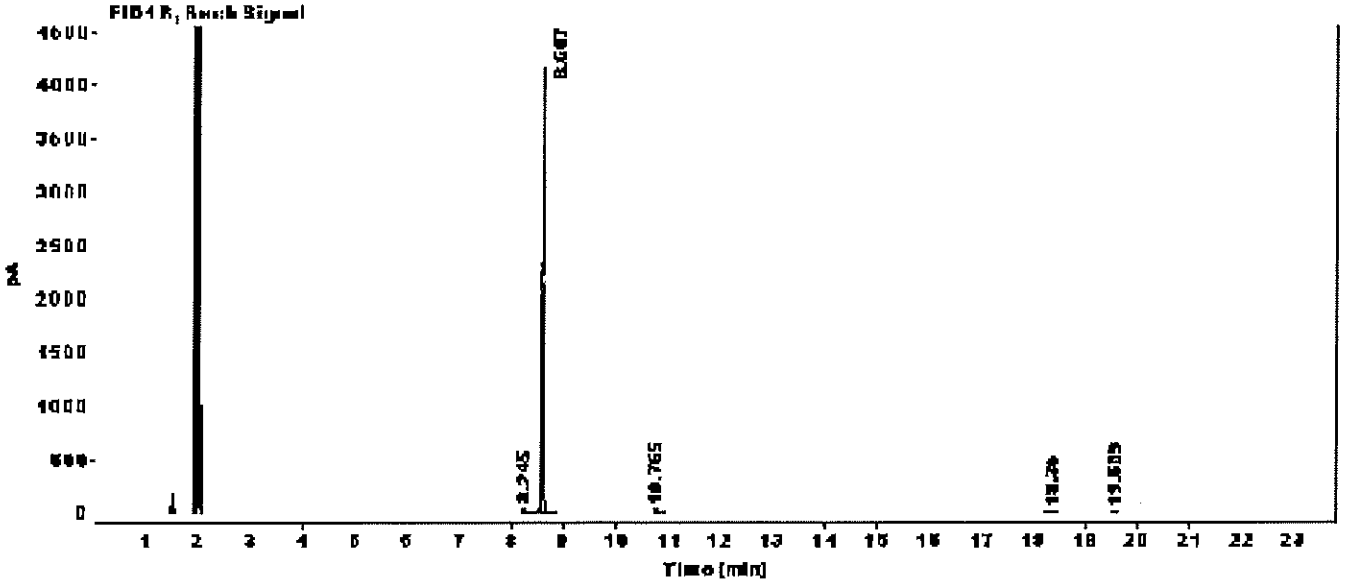
Print Date: 04/14/25

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file:	C:\CHEM32\1\DATA\2023 DATA\1223\N-12626.D		
Sample name:	N-12626		
Acq. method:	FRANNY-BACK.M		
Instrument:	GC3	**Location:**	201
Injection date:	9/18/2024 12:00:15 PM	**Injection Vol:**	1.000
Column name:	RTx-5MS (30m x 0.25mm x 0.5µm)	**# Of Injections:**	1



Signal: FID1 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
8.245	BV R	0.0243	79.0957	50.3485	0.8144
8.607	BV R	0.0317	9518.4404	4152.6880	98.0026
10.765	BB	0.0250	58.7922	38.1904	0.6053
18.350	BV R	0.0276	30.8358	17.4655	0.3175
19.559	VB	0.0321	25.2745	12.2199	0.2602
		Sum	9712.4386		

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER

Chem Service, Inc. is accredited to ISO/IEC 17025:2017, ISO 17034:2016 and certified to ISO 9001:2015

Reagent

OP_NPQUIN_STK_00006

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

OR-NPQUIN-STK-00006

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

09/19/2023

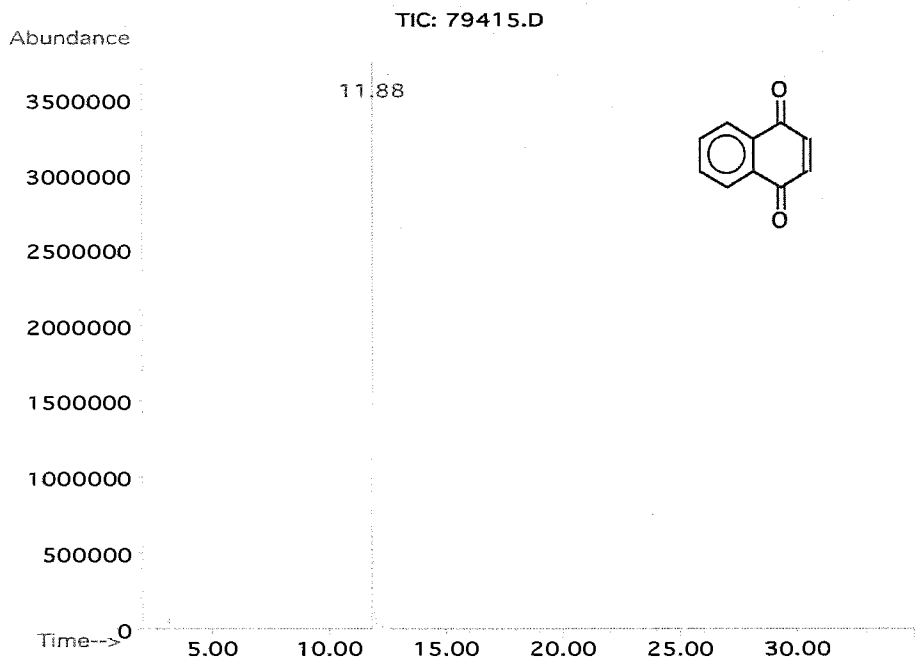
CERTIFIED WEIGHT REPORT

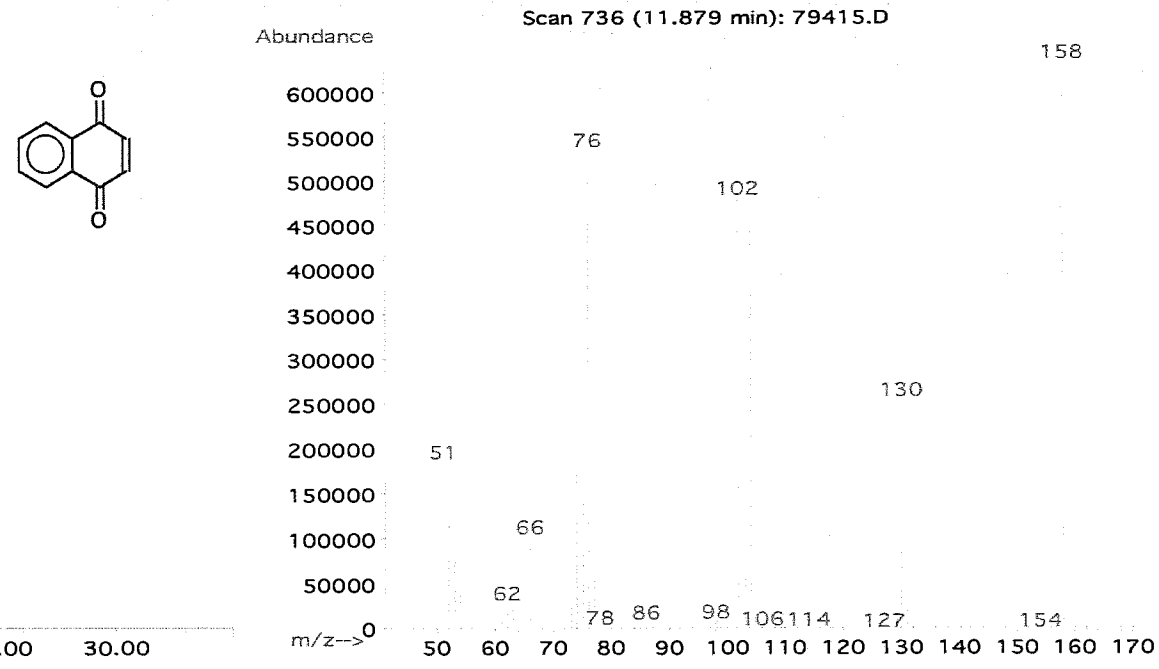
Part Number:	79415			**Solvent:**	**Lot#**
Lot Number:	021423			Acetone	220128-BOO2554
Description:	1,4-Naphthoquinone				
Expiration Date:	021428				
Recommended Storage:	Refrigerate (4 °C)				
Nominal Concentration (µg/mL):	1000				
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty		
Weight(s) shown below were combined and diluted to (mL):	200.1	0.058	Flask Uncertainty		

		021423
Formulated By:	Prashant Chauhan	DATE
		021423
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1,4-Naphthoquinone	412	06711PT	1000	97	0.2	0.20625	0.20636	1000.5	4.2	130-15-4	N/A	orl-rat 190mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

OP_RES_APPX1_00016

OP-RES-APPX1-00016

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570667 **Lot No.:** A0213252

Description : 8270 Supplemental Standard #1

8270 Supplemental Standard #1 1,000µg/mL, Methylene chloride, 1mL/ampul
Also described as 8270 List 2 / Std #1

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Picoline	109-06-8	STBJ3945	99%	1,004.0 µg/mL	+/- 18.5897
2	N-Nitrosomethylethylamine	10595-95-6	13530400	99%	1,006.0 µg/mL	+/- 18.6267
3	Acrylamide	79-06-1	01402JA	99%	1,005.0 µg/mL	+/- 18.6082
4	N-Nitrosodiethylamine	55-18-5	UT2EJ	99%	1,005.0 µg/mL	+/- 18.6082
5	N-Nitrosopyrrolidine	930-55-2	4-EOD-34-1	99%	1,008.0 µg/mL	+/- 18.6638
6	o-Toluidine	95-53-4	03417PZ	99%	1,007.0 µg/mL	+/- 18.6452
7	N-Nitrosomorpholine	59-89-2	GOJNI	99%	1,006.0 µg/mL	+/- 18.6267
8	N-Nitrosopiperidine	100-75-4	13518900	99%	1,007.0 µg/mL	+/- 18.6452
9	Phentermine (a,a-Dimethylphenethylamine)	122-09-8	231012JLM	99%	1,006.0 µg/mL	+/- 18.6267
10	Quinoline	91-22-5	UU6EC	99%	1,005.0 µg/mL	+/- 18.6082
11	N-Nitrosodi-n-butylamine	924-16-3	7BSAG	99%	1,007.0 µg/mL	+/- 18.6452
12	1,4-Phenylenediamine	106-50-3	15063900	99%	1,007.0 µg/mL	+/- 18.6452
13	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.0 µg/mL	+/- 18.6082
14	1-Naphthylamine (1-aminonaphthalene)	134-32-7	WRJNI	99%	1,007.0 µg/mL	+/- 18.6452
15	2-Naphthylamine (2-aminonaphthalene)	91-59-8	816595	99%	1,007.0 µg/mL	+/- 18.6452

Reagent

OP_RES_APPX1_00018

OR RES-APPL-00018

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570667 **Lot No.:** A0220647

Description : 8270 Supplemental Standard #1

8270 Supplemental Standard #1 1,000µg/mL, Methylene chloride, 1mL/ampul
Also described as 8270 List 2 / Std #1

Container Size : 2 mL **Pkg Amt:** > 1 mL

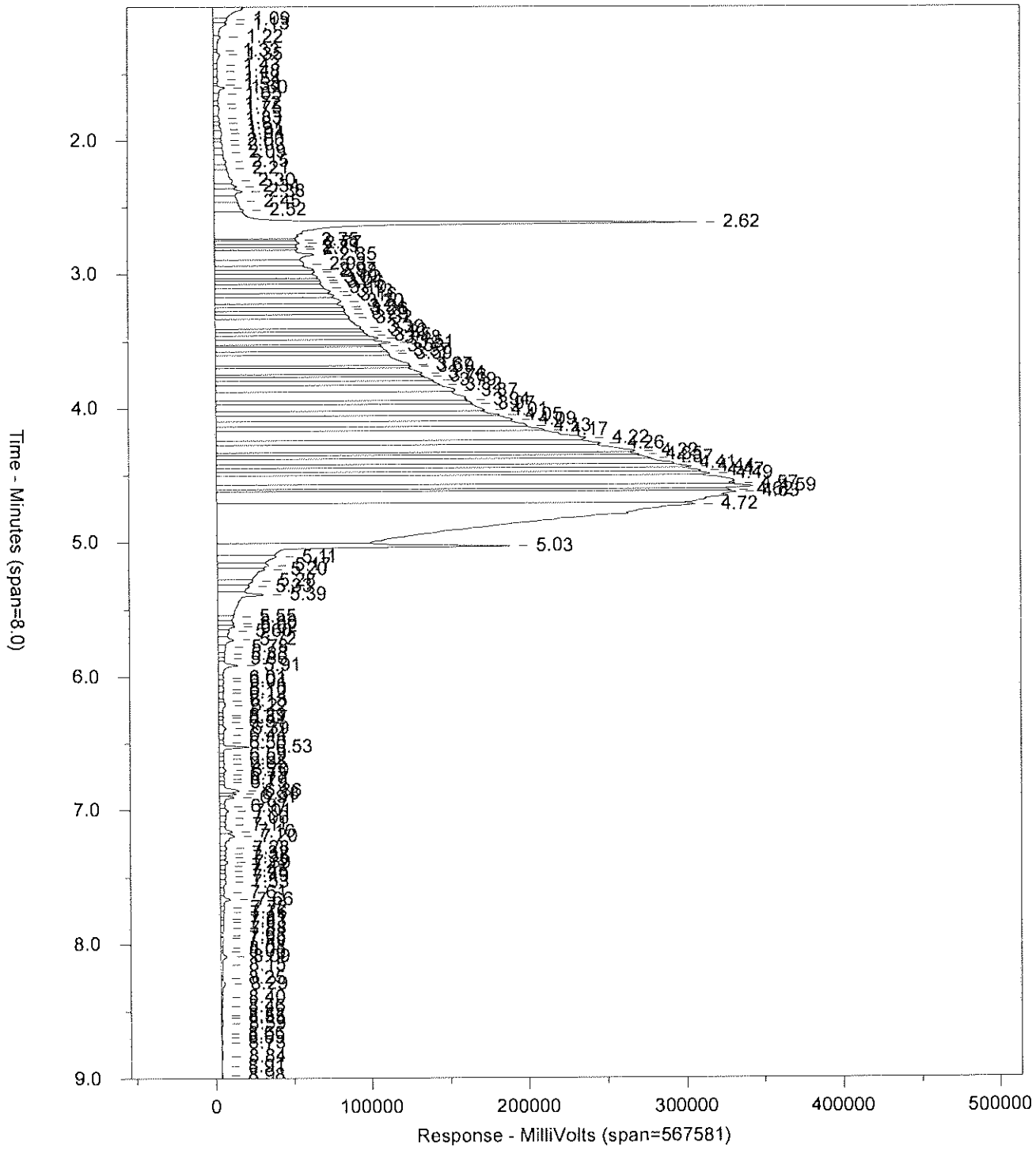
Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Picoline	109-06-8	STBJ3945	99%	1,002.0 µg/mL	+/- 18.5527
2	N-Nitrosomethylethylamine	10595-95-6	SL240628	99%	1,006.0 µg/mL	+/- 18.6267
3	Acrylamide	79-06-1	01402JA	99%	1,001.0 µg/mL	+/- 18.5342
4	N-Nitrosodiethylamine	55-18-5	UT2EJ	99%	1,004.0 µg/mL	+/- 18.5897
5	N-Nitrosopyrrolidine	930-55-2	4-EOD-34-1	99%	1,008.0 µg/mL	+/- 18.6638
6	o-Toluidine	95-53-4	03417PZ	99%	1,000.0 µg/mL	+/- 18.5156
7	N-Nitrosomorpholine	59-89-2	GOJNI	99%	1,008.0 µg/mL	+/- 18.6638
8	N-Nitrosopiperidine	100-75-4	14759900	99%	1,004.0 µg/mL	+/- 18.5897
9	Phentermine (a,a-Dimethylphenethylamine)	122-09-8	S241107RSR	99%	1,004.0 µg/mL	+/- 18.5897
10	Quinoline	91-22-5	IFJEH	99%	1,006.0 µg/mL	+/- 18.6267
11	N-Nitrosodi-n-butylamine	924-16-3	7BSAG	99%	1,008.0 µg/mL	+/- 18.6638
12	1,4-Phenylenediamine	106-50-3	15834600	99%	1,005.0 µg/mL	+/- 18.6082
13	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,008.0 µg/mL	+/- 18.6638
14	1-Naphthylamine (1-aminonaphthalene)	134-32-7	WRJNI	99%	1,010.0 µg/mL	+/- 18.7008
15	2-Naphthylamine (2-aminonaphthalene)	91-59-8	825404	99%	1,007.0 µg/mL	+/- 18.6452

C:\CPData\CP38\Data\38scrn25014001.013.RAW 410-203120-J-8-A 20

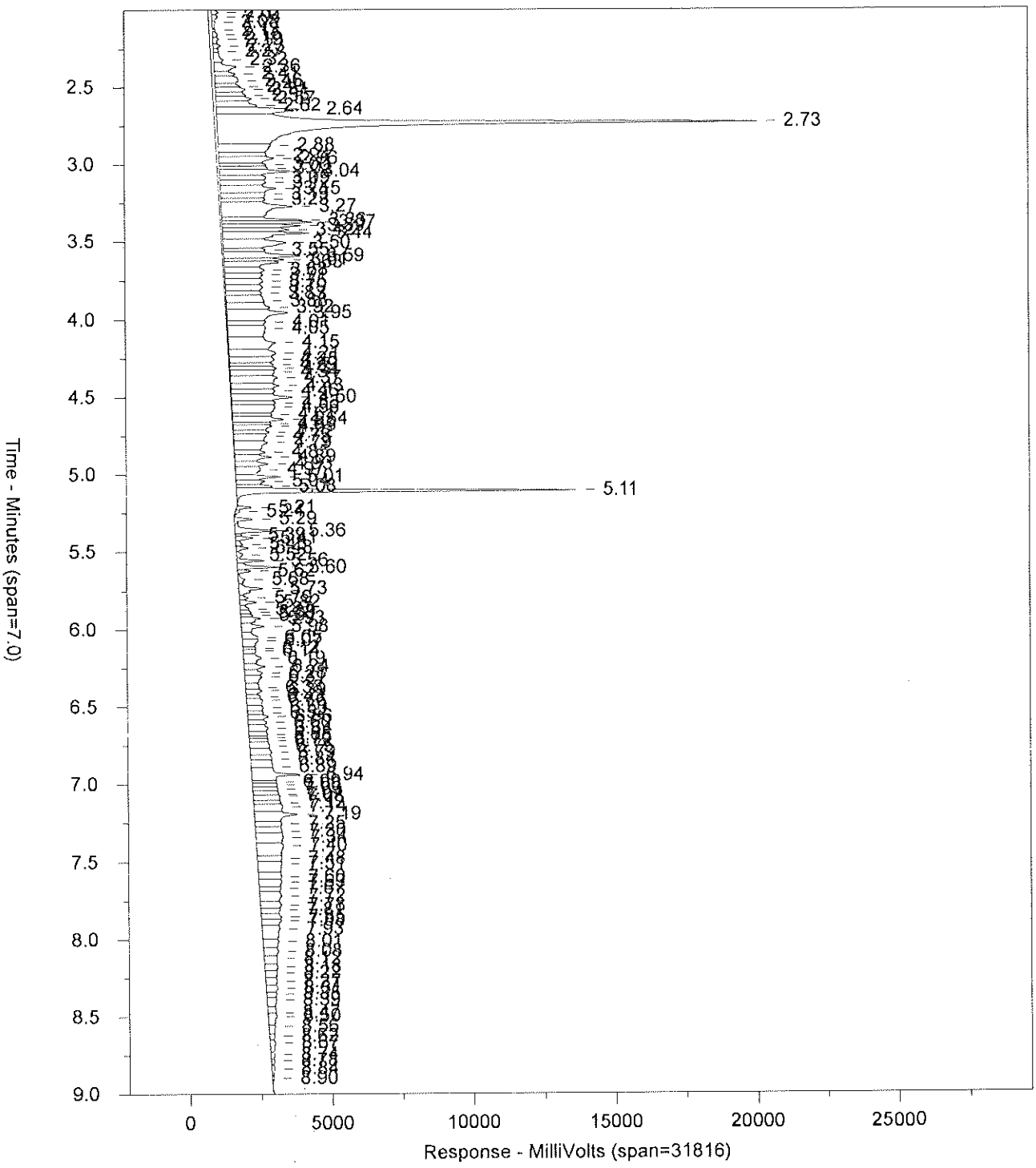


16	5-Nitro-o-toluidine	99-55-8	H67GL	99%	1,005.0	µg/mL	+/- 18.6082
17	1,3,5-Trinitrobenzene	99-35-4	DRA6TDK	99%	1,008.0	µg/mL	+/- 18.6638
18	Phenacetin	62-44-2	317935/11192	99%	1,009.0	µg/mL	+/- 18.6823
19	4-Aminobiphenyl	92-67-1	SLCD6545	99%	1,003.0	µg/mL	+/- 18.5712
20	Propyzamide	23950-58-5	14890900	99%	1,000.0	µg/mL	+/- 18.5156
21	Pentachloronitrobenzene (quintozene)	82-68-8	15465100	98%	1,002.5	µg/mL	+/- 18.5627
22	4-Nitroquinoline-N-oxide	56-57-5	WXBF2413V	97%	1,005.9	µg/mL	+/- 18.6247
23	p-Dimethylaminoazobenzene	60-11-7	BCBP8840V	98%	1,001.6	µg/mL	+/- 18.5445
24	3,3'-Dimethylbenzidine (o-tolidine)	119-93-7	ELVJM	99%	1,008.0	µg/mL	+/- 18.6638
25	2-Acetylaminofluorene	53-96-3	WZDQE	99%	1,003.0	µg/mL	+/- 18.5712
26	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	RP230106	97%	1,004.0	µg/mL	+/- 18.5888
27	Dibenz(a,h)acridine	226-36-8	052013	99%	1,006.0	µg/mL	+/- 18.6267

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

C:\CPData\CP38\Data\38scrn25014001B.013.RAW 410-203120-J-10-A 20



Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

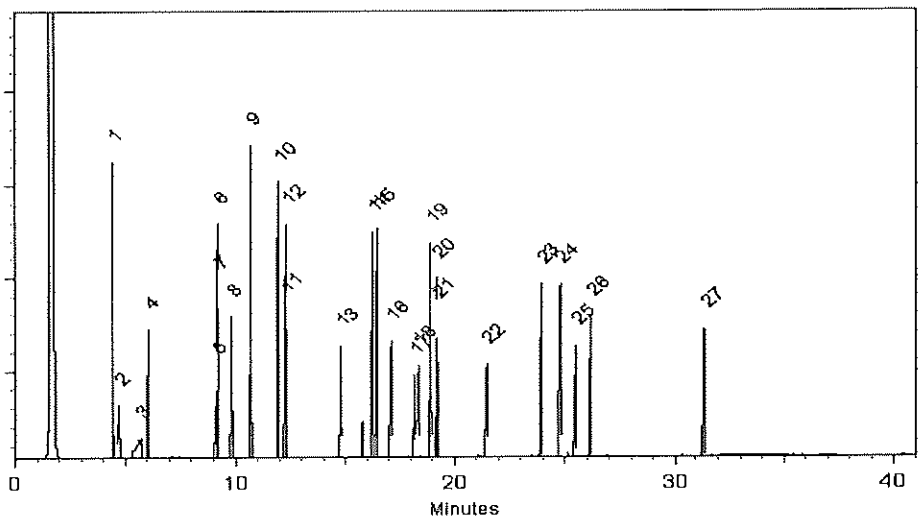
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

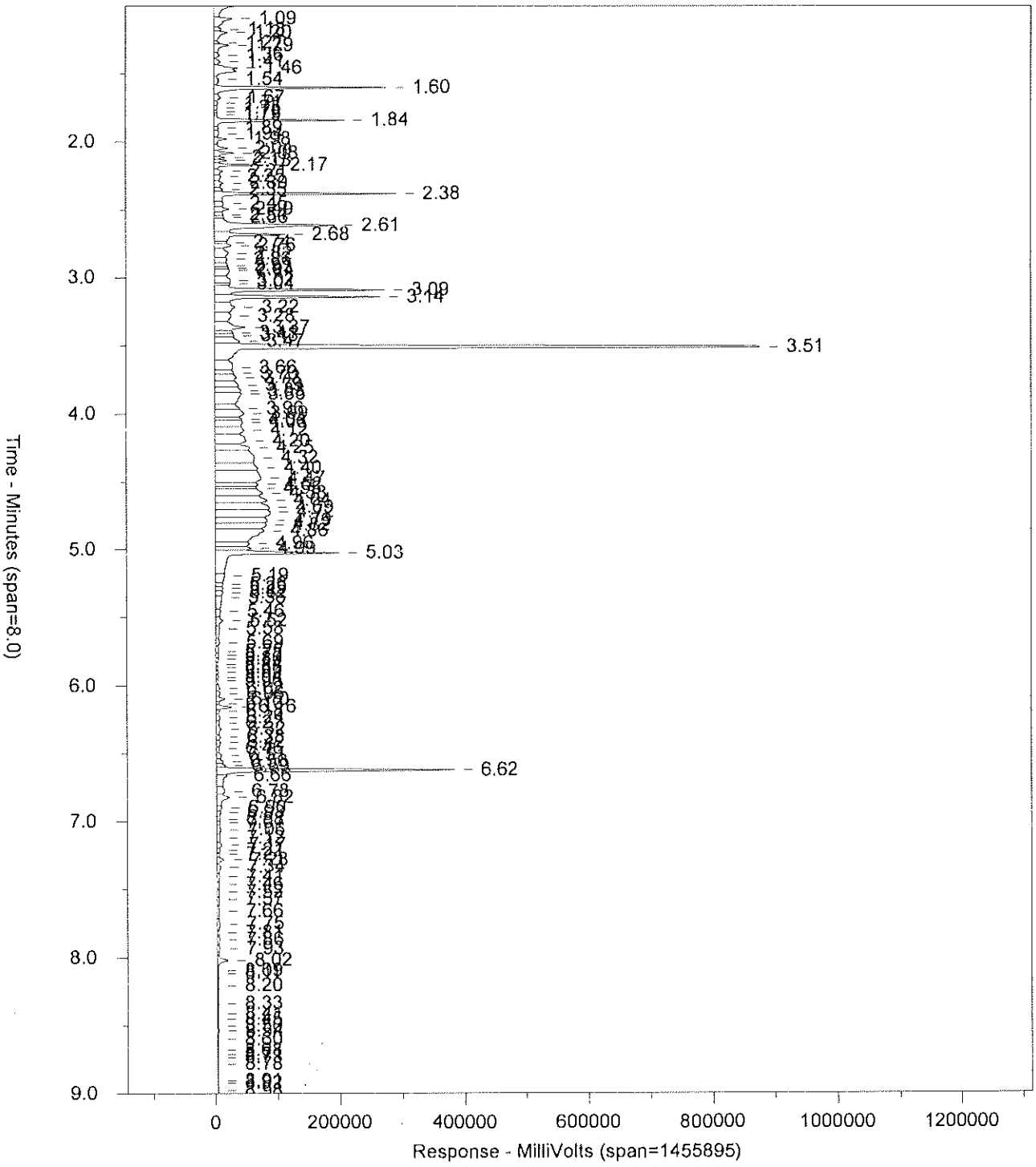
Date Mixed: 01-Jan-2025 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 28-Jan-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

C:\CPData\CP38\Data\38scrn25014001.014.RAW 630-102445-C-3-A



Reagent

OP_RES_APPX2_00016

OP_RES-APX2-00016

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569733 **Lot No.:** A0213441

Description : 8270 List 2 / Std #2 (2015)

8270 List 2 / Std #2 (2015) 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2025 **Storage:** -20°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl methanesulfonate	66-27-3	MKCT0680	99%	1,003.0 µg/mL	+/- 23.0258
2	Ethyl methanesulfonate	62-50-0	H6VUB	99%	1,008.0 µg/mL	+/- 23.1406
3	Pentachloroethane	76-01-7	15250200	98%	1,001.6 µg/mL	+/- 22.9927
4	Hexachloropropene	1888-71-7	44391/3	99%	1,002.0 µg/mL	+/- 23.0028
5	Isosafrole (cis & trans) 16% cis; 84% trans	120-58-1	MKBZ0058V	97%	1,007.8 µg/mL	+/- 23.1367
6	1-Chloronaphthalene	90-13-1	TXRHO	98%	1,004.5 µg/mL	+/- 23.0602
7	1,4-Naphthoquinone	130-15-4	KKMWB	99%	1,002.0 µg/mL	+/- 23.0028
8	Pentachlorobenzene	608-93-5	MKCS7191	99%	1,006.0 µg/mL	+/- 23.0947
9	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,008.0 µg/mL	+/- 23.1406
10	Dinoseb	88-85-7	50001	99%	1,000.0 µg/mL	+/- 22.9569
11	Isodrin	465-73-6	15458600	98%	1,004.5 µg/mL	+/- 23.0602
12	Chlorobenzilate	510-15-6	15268200	98%	1,006.5 µg/mL	+/- 23.1052
13	7,12-Dimethylbenz(a)anthracene	57-97-6	LUQXO	99%	1,010.0 µg/mL	+/- 23.1865

Reagent

OP_RES_APPX2_00018

OPRES-APPX2_00018

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569733 **Lot No.:** A0219845

Description : 8270 List 2 / Std #2 (2015)

8270 List 2 / Std #2 (2015) 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2025 **Storage:** -20°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Concentration (weight/volume)	Expanded Uncertainty* (95% C.L., k=2)
1	Methyl methanesulfonate	66-27-3	MKCT0680	99%	1,006.8 µg/mL	+/- 23.1130
2	Ethyl methanesulfonate	62-50-0	H6VUB	99%	1,005.0 µg/mL	+/- 23.0717
3	Pentachloroethane	76-01-7	15627600	97%	1,000.7 µg/mL	+/- 22.9719
4	Hexachloropropene	1888-71-7	44391/3	99%	1,003.7 µg/mL	+/- 23.0419
5	Isosafrole (cis & trans) 16% cis; 84% trans	120-58-1	MKBZ0058V	97%	1,008.2 µg/mL	+/- 23.1456
6	1-Chloronaphthalene	90-13-1	TXRHO	98%	1,008.3 µg/mL	+/- 23.1480
7	1,4-Naphthoquinone	130-15-4	KKMWB	99%	1,007.2 µg/mL	+/- 23.1222
8	Pentachlorobenzene	608-93-5	MKCS7191	99%	1,003.9 µg/mL	+/- 23.0464
9	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,007.0 µg/mL	+/- 23.1176
10	Dinoseb	88-85-7	50001	99%	1,004.6 µg/mL	+/- 23.0625
11	Isodrin	465-73-6	15745200	98%	1,001.2 µg/mL	+/- 22.9837
12	Chlorobenzilate	510-15-6	15519800	98%	1,007.3 µg/mL	+/- 23.1255
13	7,12-Dimethylbenz(a)anthracene	57-97-6	2JTRH	99%	1,007.2 µg/mL	+/- 23.1222

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

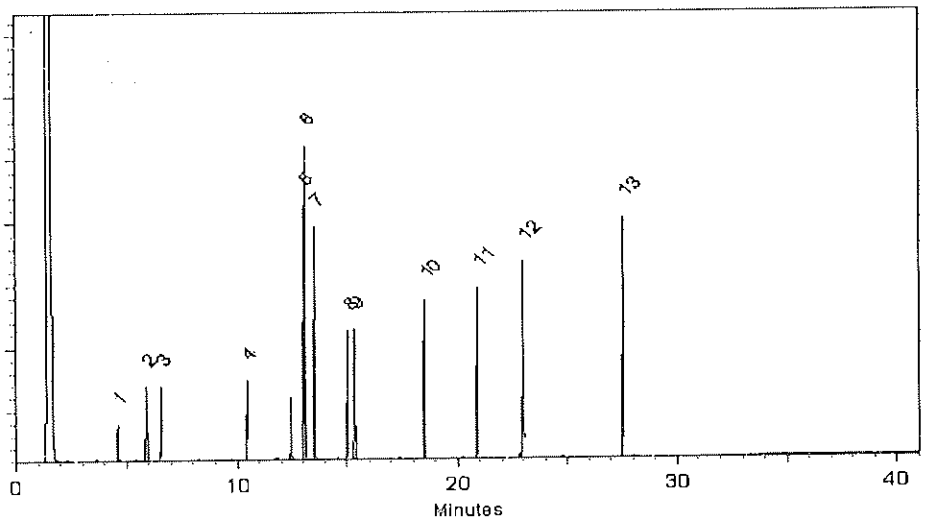
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I **Date Mixed:** 08-Dec-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 10-Dec-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

OP_RES_APPX2_00019

OP_RES-APPX2-00019

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569733 **Lot No.:** A0223205

Description : 8270 List 2 / Std #2 (2015)

8270 List 2 / Std #2 (2015) 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2026 **Storage:** -20°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Conc. Certified (gravimetrically)	Expanded Uncertainty * (95% C.L., k=2)
1	Methyl methanesulfonate	66-27-3	MKCT0680	99%	1,004.0 µg/mL	+/- 23.0304
2	Ethyl methanesulfonate	62-50-0	H6VUB	99%	1,002.5 µg/mL	+/- 22.9960
3	Pentachloroethane	76-01-7	15627600	97%	1,004.0 µg/mL	+/- 23.0292
4	Hexachloropropene	1888-71-7	14690500	99%	1,004.5 µg/mL	+/- 23.0418
5	Isosafrole (cis & trans) 16% cis; 84% trans	120-58-1	MKBZ0058V	97%	1,002.0 µg/mL	+/- 22.9847
6	1-Chloronaphthalene	90-13-1	TXRHO	98%	1,001.1 µg/mL	+/- 22.9632
7	1,4-Naphthoquinone	130-15-4	13230700	99%	1,002.0 µg/mL	+/- 22.9845
8	Pentachlorobenzene	608-93-5	MKCS7191	99%	1,004.0 µg/mL	+/- 23.0304
9	2,3,5,6-Tetrachlorophenol	935-95-5	RP250122ECS	99%	1,003.0 µg/mL	+/- 23.0074
10	Dinoseb	88-85-7	S241122RSR-1	98%	1,009.9 µg/mL	+/- 23.1655
11	Isodrin	465-73-6	15745200	98%	1,001.1 µg/mL	+/- 22.9632
12	Chlorobenzilate	510-15-6	15268200	98%	1,001.6 µg/mL	+/- 22.9744
13	7,12-Dimethylbenz(a)anthracene	57-97-6	GZ3DM	99%	1,003.5 µg/mL	+/- 23.0189

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

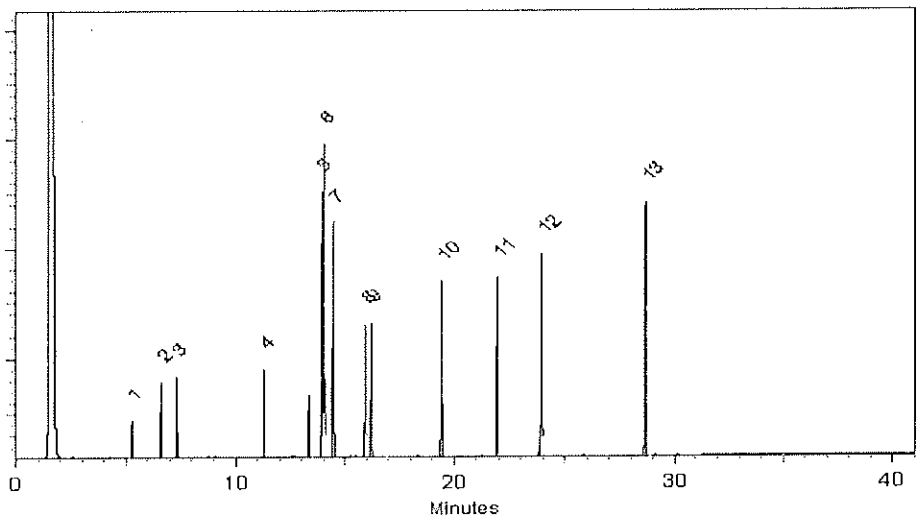
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 11-Mar-2025 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 14-Mar-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

OP_RES_APPX3_00013

OP-RES-APPX3-00013

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567680 **Lot No.:** A0220331

Description : 8270 List 2 / Std #3

8270 List 2 / Std #3 2,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2025 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; k=2)
1	6-Methylchrysene	1705-85-7	P60507-1024	99%	2,002.0 µg/mL	+/- 90.1854
2	3-Methylcholanthrene	56-49-5	P68278-0327	95%	2,002.6 µg/mL	+/- 90.2125

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

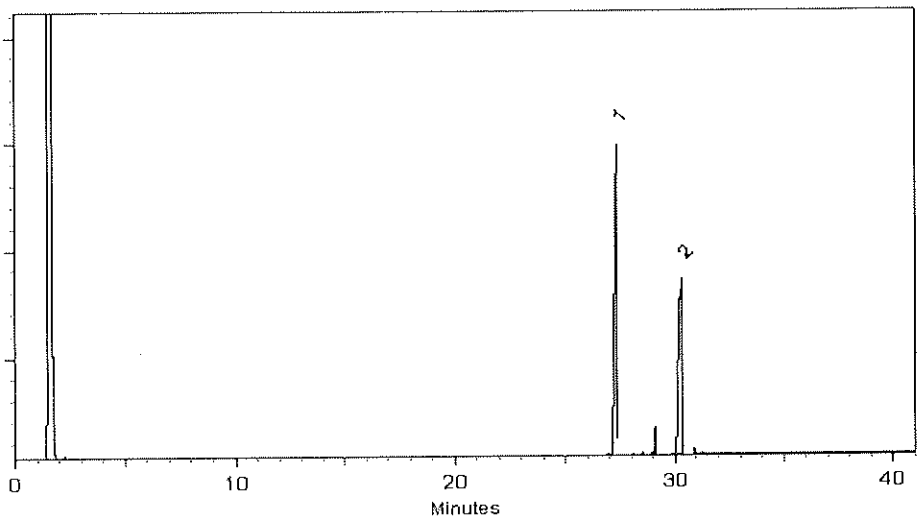
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 19-Dec-2024 **Balance Serial #** 1128360905

Brittany Federinko - Operations Tech I

Date Passed: 07-Jan-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

OP_RES_APPX4_00010

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567681 **Lot No.:** A0203600

Description : 8270 List 2 / Std #4

8270 List 2 / Std #4 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o,o,o-Triethyl phosphorothioate	126-68-1	2-KRR-57-1	98%	1,005.5 µg/mL	+/- 45.9024
2	Safrole	94-59-7	322225/11292	99%	1,009.0 µg/mL	+/- 46.0631
3	Zinophos (thionazine)	297-97-2	14454100	98%	1,005.5 µg/mL	+/- 45.9024
4	Sulfotepp	3689-24-5	SL230731	99%	1,006.0 µg/mL	+/- 45.9262
5	Diallate (cis and trans) 74% cis-Diallate; 26% trans-Diallate	2303-16-4	14730400	99%	1,006.0 µg/mL	+/- 45.9262
6	Phorate	298-02-2	13939400	99%	1,008.0 µg/mL	+/- 46.0175
7	Dimethoate	60-51-5	14574600	99%	1,008.0 µg/mL	+/- 46.0175
8	Disulfoton	298-04-4	13839400	98%	1,004.5 µg/mL	+/- 45.8577
9	Methyl parathion	298-00-0	14116700	99%	1,007.0 µg/mL	+/- 45.9718
10	Parathion (Ethyl parathion)	56-38-2	14438600	99%	1,007.0 µg/mL	+/- 45.9718
11	Aramite 2% Isomer 1; 2% Isomer 2; 36% Isomer 3; 60% Isomer 4	140-57-8	14438500	99%	1,006.0 µg/mL	+/- 45.9262
12	Famphur	52-85-7	14021600	99%	1,006.0 µg/mL	+/- 45.9262

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

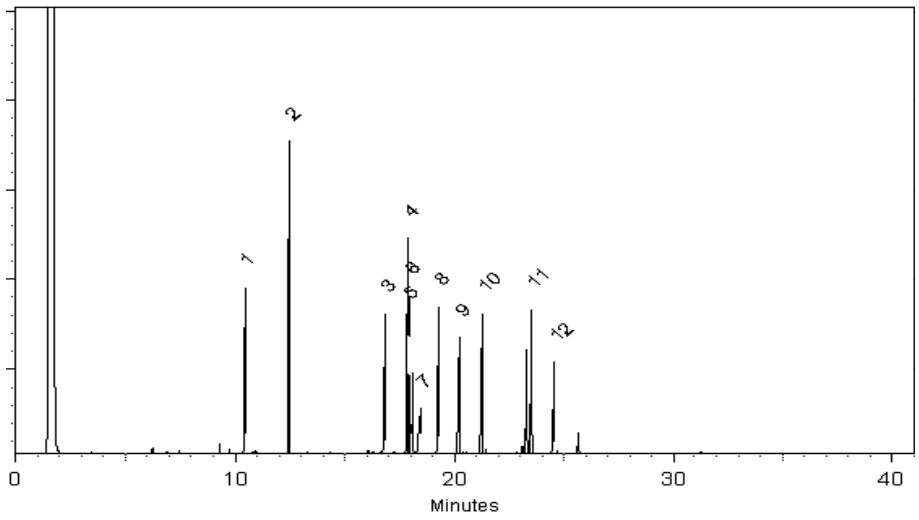
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 25-Oct-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-Nov-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

OP_RES_APPX4_00015

OP_RES_APPX4_00015

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567681 **Lot No.:** A0222255

Description : 8270 List 2 / Std #4

8270 List 2 / Std #4 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2027 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Gravimetric Conc. (weight/volume)	Expanded Uncertainty** (95% C.I., k=2)
1	o,o,o-Triethyl phosphorothioate	126-68-1	2-KRR-57-1	98%	1,009.1 µg/mL	+/- 46.0572
2	Safrole	94-59-7	322225/11292	99%	1,007.3 µg/mL	+/- 45.9778
3	Zinophos (thionazine)	297-97-2	15755700	99%	1,003.0 µg/mL	+/- 45.7800
4	Sulfotepp	3689-24-5	15843500	97%	1,005.6 µg/mL	+/- 45.8971
5	Diallate (cis and trans) 74% cis-Diallate; 26% trans-Diallate	2303-16-4	14687600	99%	1,001.7 µg/mL	+/- 45.7191
6	Phorate	298-02-2	15904100	99%	1,008.7 µg/mL	+/- 46.0386
7	Dimethoate	60-51-5	15924900	99%	1,004.0 µg/mL	+/- 45.8256
8	Disulfoton	298-04-4	15536400	99%	1,007.7 µg/mL	+/- 45.9930
9	Methyl parathion	298-00-0	15930400	99%	1,007.3 µg/mL	+/- 45.9778
10	Parathion (Ethyl parathion)	56-38-2	15860000	99%	1,003.3 µg/mL	+/- 45.7952
11	Aramite 2% Isomer 1; 2% Isomer 2; 36% Isomer 3; 60% Isomer 4	140-57-8	15464900	99%	1,008.3 µg/mL	+/- 46.0234
12	Famphur	52-85-7	15822900	98%	1,002.2 µg/mL	+/- 45.7441

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

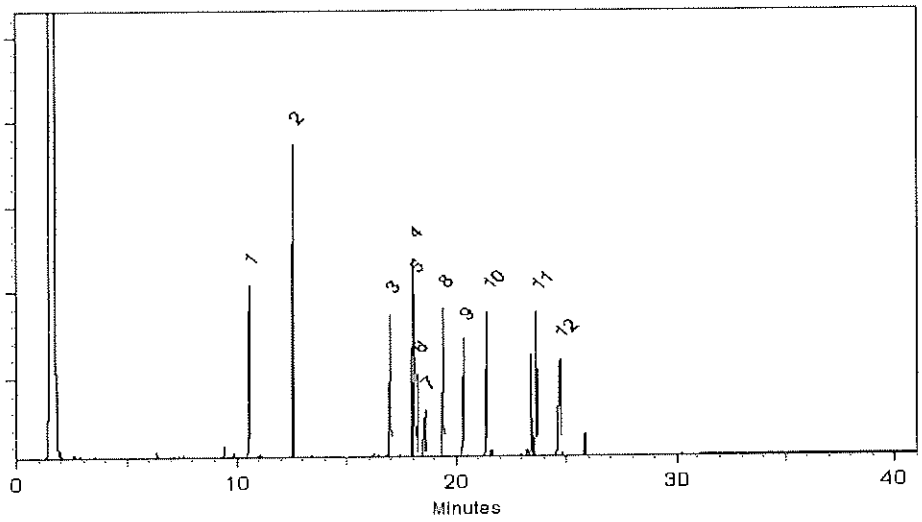
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ven Kelley - Operations Tech I Date Mixed: 13-Feb-2025 Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC Date Passed: 19-Feb-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

OP_RES_APPX5_00015

OR RES-APPX5_00015

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567682 **Lot No.:** A0224416

Description : 8270 List 2 / Std #5 Methapyrilene

8270 List 2 / Std #5 Methapyrilene 2,000µg/mL, Methylene chloride, 1mL/ampul
*The reported compound masses are for Methapyrilene HCl. Purity is adjusted to correct for the HCl salt. The reported concentration is of Methapyrilene.

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (k=2, 95%)
1	Methapyrilene hydrochloride	135-23-9	1-KYM-158-2	87%	1,999.3 µg/mL	+/- 36.9722

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:
*The reported compound masses are for Methapyrilene HCl. Purity is adjusted to correct for the HCl salt. The reported concentration is of Methapyrilene, CAS # 91-80-5

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

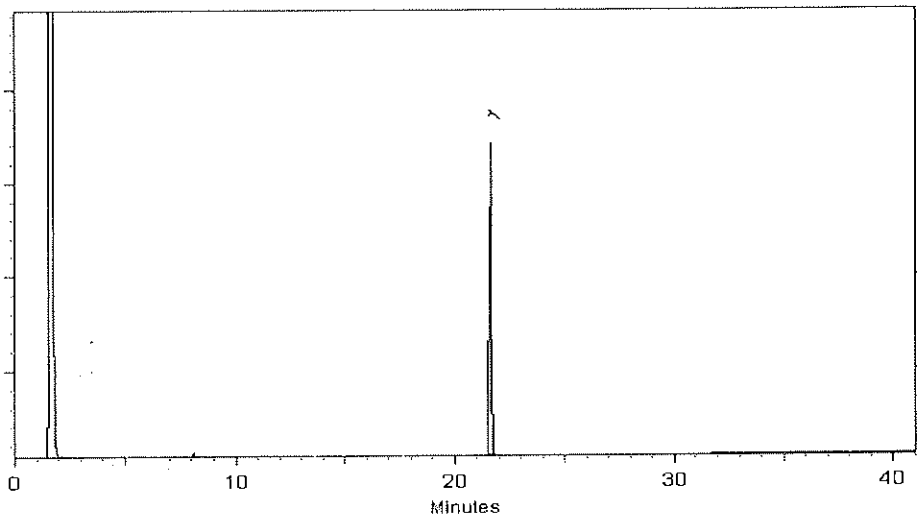
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I **Date Mixed:** 09-Apr-2025 **Balance Serial #** C322230531

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 11-Apr-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

OP_RES_APPX6_00010

OP-RES-APX6-00010

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is Intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568727 **Lot No.:** A0216024

Description : 8270 List 2/ Std #8 Dibenz(a,j)acridine

8270 List 2/ Std #8 Dibenz(a,j)acridine 2,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2027 **Storage:** -10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibenz(a,j)acridine	224-42-0	0012011	97%	2,006.2 µg/mL	+/- 90.3934

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

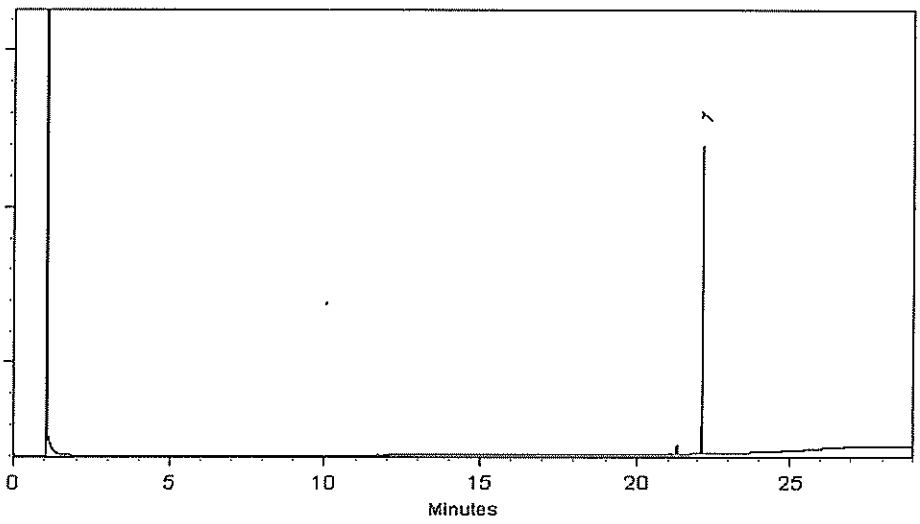
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 03-Sep-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Sep-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

OP_RES_APPX6_00011

OP-RES-APPX6-00011

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568727 **Lot No.:** A0223159

Description : 8270 List 2/ Std #8 Dibenz(a,j)acridine

8270 List 2/ Std #8 Dibenz(a,j)acridine 2,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.I., k=2)
1	Dibenz(a,j)acridine	224-42-0	0012011	99%	2,002.0 µg/mL	+/- 90.1854

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

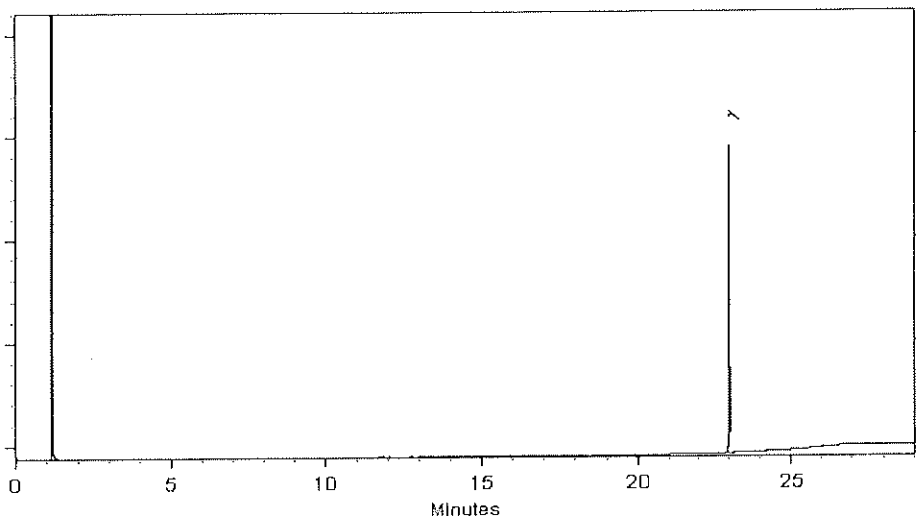
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 10-Mar-2025 **Balance Serial #** 1128360905

Jennifer Polfino - Operations Tech III - ARM QC **Date Passed:** 12-Mar-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

OP_RES_LCS1_00022

OP_RES_LCS1_00022

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0216029

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : July 31, 2025 **Storage:** 0°C or colder

Handling: Sonicate prior to use. Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	1,002.9 µg/mL	+/- 18.5331
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,001.9 µg/mL	+/- 18.5146
3	Pyridine	110-86-1	SHBP6240	99%	2,012.6 µg/mL	+/- 37.1847
4	Phenol	108-95-2	MKCK1120	99%	1,002.5 µg/mL	+/- 18.5262
5	Aniline	62-53-3	X22F726	99%	1,004.4 µg/mL	+/- 18.5608
6	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,002.3 µg/mL	+/- 18.5228
7	n-Decane (C10)	124-18-5	SHBQ1342	99%	1,005.6 µg/mL	+/- 18.5839
8	2-Chlorophenol	95-57-8	STBJ3909	99%	1,006.9 µg/mL	+/- 18.6070
9	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,006.8 µg/mL	+/- 18.6047
10	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.4 µg/mL	+/- 18.5423
11	Benzyl alcohol	100-51-6	SHBK5469	99%	1,006.0 µg/mL	+/- 18.5908
12	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,003.4 µg/mL	+/- 18.5423
13	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.6 µg/mL	+/- 18.5654
14	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,006.3 µg/mL	+/- 18.5956
15	Acetophenone	98-86-2	STBH8205	99%	1,003.1 µg/mL	+/- 18.5377
16	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.6 µg/mL	+/- 9.2885

Response - MilliVolts (span=40976)
0
5000
10000
15000
20000
25000
30000
35000
Time - Minutes (span=8.0)
2.0
3.0
4.0
5.0
6.0
7.0
8.0
9.0
2.77
2.10
3.87
5.19
5.92
6.49
7.29
C:\CPData\CP38\Data\38scrn24301001.022.RAW
410-192912-A-13-B

17	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8	µg/mL	+/- 9.3093
18	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,003.8	µg/mL	+/- 18.5493
19	Hexachloroethane	67-72-1	QTORH	99%	1,000.6	µg/mL	+/- 18.4916
20	Nitrobenzene	98-95-3	10224044	99%	1,003.2	µg/mL	+/- 18.5390
21	Isophorone	78-59-1	MKCC9506	99%	1,007.0	µg/mL	+/- 18.6094
22	2-Nitrophenol	88-75-5	RP230710	99%	1,007.1	µg/mL	+/- 18.6116
23	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.9	µg/mL	+/- 18.5516
24	Bis(2-chloroethoxy)methane	111-91-1	15174900	99%	1,002.3	µg/mL	+/- 18.5216
25	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,008.0	µg/mL	+/- 18.6278
26	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,000.9	µg/mL	+/- 18.4961
27	Naphthalene	91-20-3	STBL1057	99%	1,003.6	µg/mL	+/- 18.5459
28	2,6-Dichlorophenol	87-65-0	MKCS9444	99%	1,004.5	µg/mL	+/- 18.5631
29	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.0	µg/mL	+/- 18.4984
30	Hexachlorobutadiene	87-68-3	RP240110CTH	97%	1,003.9	µg/mL	+/- 18.5519
31	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.6	µg/mL	+/- 18.5839
32	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 18.4800
33	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,007.6	µg/mL	+/- 18.6197
34	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,006.9	µg/mL	+/- 18.6070
35	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 18.5032
36	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.6	µg/mL	+/- 18.6024
37	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,007.0	µg/mL	+/- 18.6090
38	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,002.3	µg/mL	+/- 18.5216
39	Biphenyl	92-52-4	MKCS5928	99%	1,005.8	µg/mL	+/- 18.5862
40	2-Nitroaniline	88-74-4	RP240418RSR	99%	1,007.5	µg/mL	+/- 18.6186
41	Acenaphthylene	208-96-8	214935V16F	97%	999.9	µg/mL	+/- 18.4791
42	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,005.8	µg/mL	+/- 18.5862
43	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.8	µg/mL	+/- 18.5863
44	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,001.2	µg/mL	+/- 18.5020
45	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,001.9	µg/mL	+/- 18.5146
46	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 18.4801
47	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	2,018.1	µg/mL	+/- 37.2863
48	Dibenzofuran	132-64-9	MKCN1772	99%	1,007.0	µg/mL	+/- 18.6093
49	4-Nitrophenol	100-02-7	RP240328CTH	99%	2,003.8	µg/mL	+/- 37.0207
50	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,002.5	µg/mL	+/- 18.5263
51	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,002.6	µg/mL	+/- 18.5285
52	Fluorene	86-73-7	10241100	99%	1,004.2	µg/mL	+/- 18.5574

C:\CPData\CP38\Data\38scm2430100 1B.022.RAW
410-192912-A-14-B
2.66
2.74
5.13
6.00
6.96
4.72
3.98
Time - Minutes (span=7.0)
Response - MilliVolts (span=69460)

53	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	1,008.0	µg/mL	+/- 18.6278
54	Diethylphthalate	84-66-2	BCCJ6241	99%	1,002.1	µg/mL	+/- 18.5193
55	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.0	µg/mL	+/- 18.5355
56	4-Nitroaniline	100-01-6	RP240510RSR	99%	1,001.3	µg/mL	+/- 18.5031
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S240410RSR	99%	2,001.8	µg/mL	+/- 36.9838
58	Diphenylamine	122-39-4	MKCT1512	99%	854.8	µg/mL	+/- 15.7957
59	Azobenzene	103-33-3	BCCK0887	99%	1,001.1	µg/mL	+/- 18.5007
60	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.9	µg/mL	+/- 18.5898
61	Hexachlorobenzene	118-74-1	15458400	99%	1,009.2	µg/mL	+/- 18.6498
62	Pentachlorophenol	87-86-5	RP240517RSR	99%	2,007.3	µg/mL	+/- 37.0854
63	n-Octadecane (C18)	593-45-3	UE5NG	99%	1,006.9	µg/mL	+/- 18.6070
64	Phenanthrene	85-01-8	MKCS5188	99%	1,006.2	µg/mL	+/- 18.5944
65	Anthracene	120-12-7	101492T18R	99%	1,001.6	µg/mL	+/- 18.5101
66	Carbazole	86-74-8	15276700	99%	1,007.0	µg/mL	+/- 18.6093
67	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,002.5	µg/mL	+/- 18.5263
68	Fluoranthene	206-44-0	MKCQ4728	99%	1,008.7	µg/mL	+/- 18.6406
69	Pyrene	129-00-0	BCCK2592	99%	1,002.9	µg/mL	+/- 18.5332
70	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.6	µg/mL	+/- 18.5644
71	Benz(a)anthracene	56-55-3	I50012022BAA	99%	1,009.1	µg/mL	+/- 18.6475
72	Chrysene	218-01-9	RP240719RSR	99%	1,005.9	µg/mL	+/- 18.5898
73	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,006.3	µg/mL	+/- 18.5956
74	Di-n-octyl phthalate	117-84-0	15276800	99%	1,008.9	µg/mL	+/- 18.6452
75	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,006.4	µg/mL	+/- 18.5979
76	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,001.9	µg/mL	+/- 18.5159
77	Benzo(a)pyrene	50-32-8	O45GL	98%	1,003.9	µg/mL	+/- 18.5530
78	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,003.7	µg/mL	+/- 18.5486
79	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,004.2	µg/mL	+/- 18.5574
80	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	1,001.5	µg/mL	+/- 18.5082

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

C:\CPData\CP38\Data\38scrn243010001.023.RAW
410-192912-A-15-B
Response - MilliVolts (span=50902)
0
5000
10000
15000
20000
25000
30000
35000
40000
45000
Time - Minutes (span=8.0)
2.0
3.0
4.0
5.0
6.0
7.0
8.0
9.0
2.77
6.49
7.29

Specific Reference Material Notes:
N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

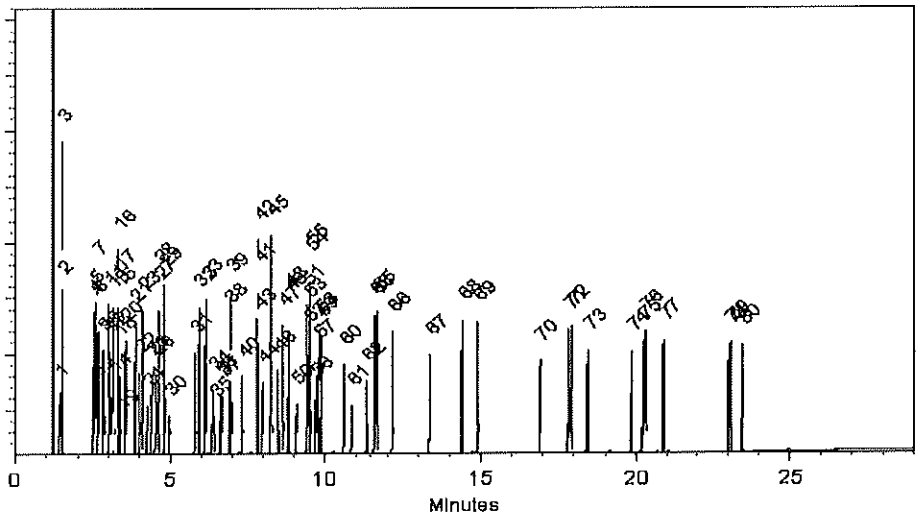
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 03-Sep-2024 **Balance Serial #** 1128360905

John Lidgett - AD Chemist

Date Passed: 01-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

C:\CPData\CP38\Data\38scrn243010018.023.RAW
410-192912-A-16-B
Response - MilliVolts (span=72594)
0
10000
20000
30000
40000
50000
60000
Time - Minutes (span=7.0)
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
2.66
6.00
6.96

Reagent

OP_RES_LCS1_00023

OP-RESLCS1-00023

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0219584

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBR4317	99%	1,007.2 µg/mL	+/- 18.6087
2	N-Nitrosodimethylamine	62-75-9	S231113RSR	99%	1,002.8 µg/mL	+/- 18.5275
3	Pyridine	110-86-1	SHBR4811	99%	2,017.3 µg/mL	+/- 37.2711
4	Phenol	108-95-2	MKCK1120	99%	1,007.3 µg/mL	+/- 18.6106
5	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 18.5755
6	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.7 µg/mL	+/- 18.5441
7	n-Decane (C10)	124-18-5	SHBQ1342	99%	1,004.5 µg/mL	+/- 18.5589
8	2-Chlorophenol	95-57-8	STBJ3909	99%	1,002.2 µg/mL	+/- 18.5164
9	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,005.5 µg/mL	+/- 18.5773
10	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.7 µg/mL	+/- 18.5995
11	Benzyl alcohol	100-51-6	SHBK5469	99%	1,006.3 µg/mL	+/- 18.5921
12	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,008.4 µg/mL	+/- 18.6309
13	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,007.1 µg/mL	+/- 18.6069
14	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,003.0 µg/mL	+/- 18.5312
15	Acetophenone	98-86-2	STBH8205	99%	1,003.1 µg/mL	+/- 18.5330
16	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	501.5 µg/mL	+/- 9.2677

17	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	504.0	µg/mL	+/- 9.3139
18	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,001.0	µg/mL	+/- 18.4942
19	Hexachloroethane	67-72-1	DAXRI	99%	1,002.5	µg/mL	+/- 18.5219
20	Nitrobenzene	98-95-3	10224044	99%	1,001.2	µg/mL	+/- 18.4979
21	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 18.5607
22	2-Nitrophenol	88-75-5	RP230710	99%	1,001.7	µg/mL	+/- 18.5071
23	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.8	µg/mL	+/- 18.5644
24	Bis(2-chloroethoxy)methane	111-91-1	15174900	99%	1,007.1	µg/mL	+/- 18.6069
25	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 18.5626
26	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,003.4	µg/mL	+/- 18.5385
27	Naphthalene	91-20-3	STBL1057	99%	1,008.6	µg/mL	+/- 18.6346
28	2,6-Dichlorophenol	87-65-0	MKCS9444	99%	1,002.7	µg/mL	+/- 18.5256
29	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,002.6	µg/mL	+/- 18.5238
30	Hexachlorobutadiene	87-68-3	X05J	98%	1,001.8	µg/mL	+/- 18.5082
31	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,007.2	µg/mL	+/- 18.6087
32	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 18.4757
33	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 18.4756
34	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,002.5	µg/mL	+/- 18.5219
35	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.5	µg/mL	+/- 18.5027
36	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,007.8	µg/mL	+/- 18.6198
37	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,009.3	µg/mL	+/- 18.6473
38	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.0	µg/mL	+/- 18.5496
39	Biphenyl	92-52-4	MKCS5928	99%	1,007.2	µg/mL	+/- 18.6087
40	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,002.1	µg/mL	+/- 18.5145
41	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 18.4756
42	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,007.3	µg/mL	+/- 18.6106
43	Dimethylphthalate	131-11-3	358221L17K	99%	1,001.1	µg/mL	+/- 18.4960
44	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.3	µg/mL	+/- 18.5367
45	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,002.8	µg/mL	+/- 18.5275
46	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 18.4757
47	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	2,000.8	µg/mL	+/- 36.9662
48	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 18.5755
49	4-Nitrophenol	100-02-7	20241120-1-AN	99%	2,009.5	µg/mL	+/- 37.1270
50	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,001.9	µg/mL	+/- 18.5108
51	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.7	µg/mL	+/- 18.5810
52	Fluorene	86-73-7	10246250	98%	1,006.9	µg/mL	+/- 18.6023

53	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	1,003.0	µg/mL	+/- 18.5312
54	Diethylphthalate	84-66-2	BCCJ6241	99%	1,007.4	µg/mL	+/- 18.6124
55	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,007.2	µg/mL	+/- 18.6087
56	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,006.2	µg/mL	+/- 18.5903
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	2,017.3	µg/mL	+/- 37.2711
58	Diphenylamine	122-39-4	MKCT1512	99%	853.6	µg/mL	+/- 15.7745
59	Azobenzene	103-33-3	BCCK0887	99%	1,002.3	µg/mL	+/- 18.5182
60	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,001.3	µg/mL	+/- 18.4997
61	Hexachlorobenzene	118-74-1	15458400	99%	1,002.2	µg/mL	+/- 18.5164
62	Pentachlorophenol	87-86-5	RP240517RSR	99%	2,005.4	µg/mL	+/- 37.0512
63	n-Octadecane (C18)	593-45-3	UE5NG	99%	1,002.5	µg/mL	+/- 18.5219
64	Phenanthrene	85-01-8	MKCT3391	99%	1,002.7	µg/mL	+/- 18.5256
65	Anthracene	120-12-7	101492T18R	99%	1,008.5	µg/mL	+/- 18.6328
66	Carbazole	86-74-8	14872900	99%	1,006.3	µg/mL	+/- 18.5921
67	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,003.5	µg/mL	+/- 18.5404
68	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.6	µg/mL	+/- 18.5422
69	Pyrene	129-00-0	BCCK2592	99%	1,003.7	µg/mL	+/- 18.5441
70	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,005.6	µg/mL	+/- 18.5792
71	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.8	µg/mL	+/- 18.5829
72	Chrysene	218-01-9	RP241007RSR	99%	1,002.8	µg/mL	+/- 18.5275
73	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,001.8	µg/mL	+/- 18.5090
74	Di-n-octyl phthalate	117-84-0	15566400	99%	1,004.8	µg/mL	+/- 18.5644
75	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,001.3	µg/mL	+/- 18.4997
76	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,001.0	µg/mL	+/- 18.4937
77	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,008.4	µg/mL	+/- 18.6313
78	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,005.8	µg/mL	+/- 18.5828
79	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,004.0	µg/mL	+/- 18.5496
80	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.9	µg/mL	+/- 18.5842

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

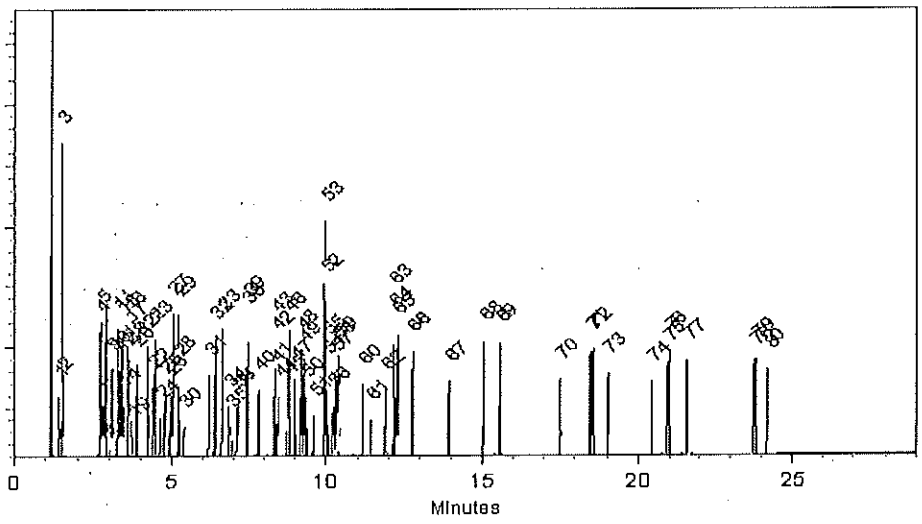
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 26-Nov-2024 Balance Serial # 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 17-Dec-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

OP_RES_LCS1_00024

OPRES LCS1-00024

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0224609

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Gravimetric Conc. (weight/weight solution)	Expanded Uncertainty* (k=2, 95% C.L., Rep)
1	1,4-Dioxane	123-91-1	SHBS1217	99%	1,008.1 µg/mL	+/- 18.6301
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.0 µg/mL	+/- 18.5724
3	Pyridine	110-86-1	SHBR4811	99%	2,007.3 µg/mL	+/- 37.0854
4	Phenol	108-95-2	MKCT5446	99%	1,001.0 µg/mL	+/- 18.4984
5	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 18.5331
6	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,008.4 µg/mL	+/- 18.6347
7	n-Decane (C10)	124-18-5	SHBQ1342	99%	1,006.1 µg/mL	+/- 18.5931
8	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.6 µg/mL	+/- 18.6209
9	1,3-Dichlorobenzene	541-73-1	STBL1702	99%	1,005.4 µg/mL	+/- 18.5793
10	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,004.6 µg/mL	+/- 18.5654
11	Benzyl alcohol	100-51-6	094986P13M	99%	1,003.4 µg/mL	+/- 18.5423
12	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,003.6 µg/mL	+/- 18.5469
13	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,001.3 µg/mL	+/- 18.5031
14	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.0 µg/mL	+/- 18.6093
15	Acetophenone	98-86-2	STBH8205	99%	1,006.4 µg/mL	+/- 18.5978
16	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	501.9 µg/mL	+/- 9.2746

17	4-Methylphenol (p-cresol)	106-44-5	SHBQ7653	99%	501.4	µg/mL	+/- 9.2654
18	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,009.4	µg/mL	+/- 18.6532
19	Hexachloroethane	67-72-1	DAXRI	99%	1,006.3	µg/mL	+/- 18.5955
20	Nitrobenzene	98-95-3	10224044	99%	1,005.0	µg/mL	+/- 18.5724
21	Isophorone	78-59-1	MKCR3249	99%	1,009.0	µg/mL	+/- 18.6463
22	2-Nitrophenol	88-75-5	RP230710	99%	1,004.3	µg/mL	+/- 18.5585
23	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,008.3	µg/mL	+/- 18.6324
24	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,002.9	µg/mL	+/- 18.5331
25	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,008.0	µg/mL	+/- 18.6278
26	1,2,4-Trichlorobenzene	120-82-1	SHBR1701	99%	1,009.3	µg/mL	+/- 18.6509
27	Naphthalene	91-20-3	STBL1057	99%	1,002.4	µg/mL	+/- 18.5238
28	2,6-Dichlorophenol	87-65-0	MKCS9444	99%	1,002.1	µg/mL	+/- 18.5192
29	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,008.9	µg/mL	+/- 18.6440
30	Hexachlorobutadiene	87-68-3	X05J	98%	1,006.1	µg/mL	+/- 18.5925
31	4-Chloro-3-methylphenol	59-50-7	BCCK5906	99%	1,003.6	µg/mL	+/- 18.5469
32	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.1	µg/mL	+/- 18.4823
33	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.4	µg/mL	+/- 18.3028
34	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,006.9	µg/mL	+/- 18.6070
35	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,002.3	µg/mL	+/- 18.5215
36	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,001.6	µg/mL	+/- 18.5100
37	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,008.2	µg/mL	+/- 18.6314
38	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,008.9	µg/mL	+/- 18.6440
39	Biphenyl	92-52-4	MKCS5928	99%	1,008.8	µg/mL	+/- 18.6417
40	2-Nitroaniline	88-74-4	RP241202RSR	99%	1,002.1	µg/mL	+/- 18.5192
41	Acenaphthylene	208-96-8	214935V18H	95%	1,000.0	µg/mL	+/- 18.4798
42	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,007.0	µg/mL	+/- 18.6093
43	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.6	µg/mL	+/- 18.6393
44	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,004.8	µg/mL	+/- 18.5677
45	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,007.8	µg/mL	+/- 18.6232
46	Acenaphthene	83-32-9	MKCV8166	99%	1,000.0	µg/mL	+/- 18.4800
47	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	2,011.5	µg/mL	+/- 37.1639
48	Dibenzofuran	132-64-9	MKCN1772	99%	1,001.8	µg/mL	+/- 18.5123
49	4-Nitrophenol	100-02-7	20241120-1-AN	99%	2,007.8	µg/mL	+/- 37.0946
50	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.8	µg/mL	+/- 18.6417
51	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.9	µg/mL	+/- 18.5885
52	Fluorene	86-73-7	10246250	98%	1,003.0	µg/mL	+/- 18.5360

53	n-Hexadecane (C16)	544-76-3	SHBR0670	99%	1,004.1	µg/mL	+/- 18.5562
54	Diethylphthalate	84-66-2	STBL3611	99%	1,004.0	µg/mL	+/- 18.5539
55	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,007.1	µg/mL	+/- 18.6116
56	4-Nitroaniline	100-01-6	RP240510RSR	99%	1,002.5	µg/mL	+/- 18.5262
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S240410RSR	99%	2,011.1	µg/mL	+/- 37.1570
58	Diphenylamine	122-39-4	MKCT1512	99%	852.6	µg/mL	+/- 15.7565
59	Azobenzene	103-33-3	BCCL3292	99%	1,003.0	µg/mL	+/- 18.5354
60	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.4	µg/mL	+/- 18.5793
61	Hexachlorobenzene	118-74-1	15828800	99%	1,002.9	µg/mL	+/- 18.5331
62	Pentachlorophenol	87-86-5	RP240517RSR	99%	2,006.6	µg/mL	+/- 37.0739
63	n-Octadecane (C18)	593-45-3	UE5NG	99%	1,001.4	µg/mL	+/- 18.5054
64	Phenanthrene	85-01-8	MKCT3391	99%	1,004.1	µg/mL	+/- 18.5562
65	Anthracene	120-12-7	101492T18R	99%	1,005.0	µg/mL	+/- 18.5724
66	Carbazole	86-74-8	15821400	99%	1,008.6	µg/mL	+/- 18.6393
67	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,001.4	µg/mL	+/- 18.5054
68	Fluorantbene	206-44-0	A0458721	99%	1,005.3	µg/mL	+/- 18.5770
69	Pyrene	129-00-0	BCCK2592	99%	1,004.3	µg/mL	+/- 18.5585
70	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,005.5	µg/mL	+/- 18.5816
71	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,003.8	µg/mL	+/- 18.5493
72	Chrysene	218-01-9	RP250121RSR	99%	1,001.4	µg/mL	+/- 18.5054
73	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,005.4	µg/mL	+/- 18.5793
74	Di-n-octyl phthalate	117-84-0	15817300	99%	1,002.8	µg/mL	+/- 18.5308
75	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,003.3	µg/mL	+/- 18.5400
76	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,007.4	µg/mL	+/- 18.6162
77	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,001.8	µg/mL	+/- 18.5133
78	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.0	µg/mL	+/- 18.4992
79	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,001.3	µg/mL	+/- 18.5031
80	Benzo(g,h,i)perylene	191-24-2	RP250219RSR	99%	1,001.9	µg/mL	+/- 18.5146

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:
N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

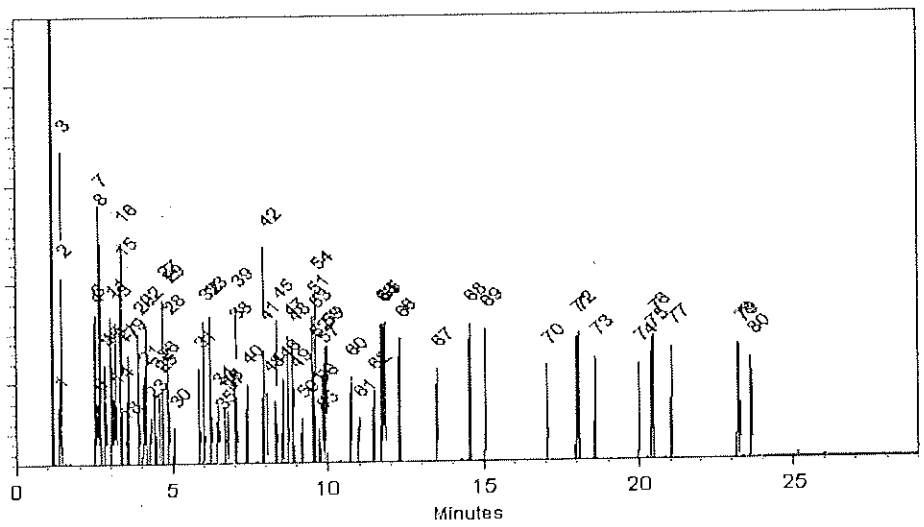
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician Date Mixed: 14-Apr-2025 Balance Serial # C322230531

Jennifer Pollino - Operations Tech III - ARM QC Date Passed: 25-Apr-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

OP_RES_LCS2_00013

OP-RES-LCS2-00013

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569730 **Lot No.:** A0211034

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S240206RSR	99%	2,003.9 µg/mL	+/- 37.0230
2	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	2,019.9 µg/mL	+/- 37.3187

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

C:\CPData\CP38\Data\38scrn243010002.001.RAW
410-192912-A-2-A
Response - Millivolts (span=397026)
0
50000
100000
150000
200000
250000
300000
350000
Time - Minutes (span=8.0)
2.0
3.0
4.0
5.0
6.0
7.0
8.0
9.0
2.64
2.80
2.97
3.88
5.05
5.47
7.37

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

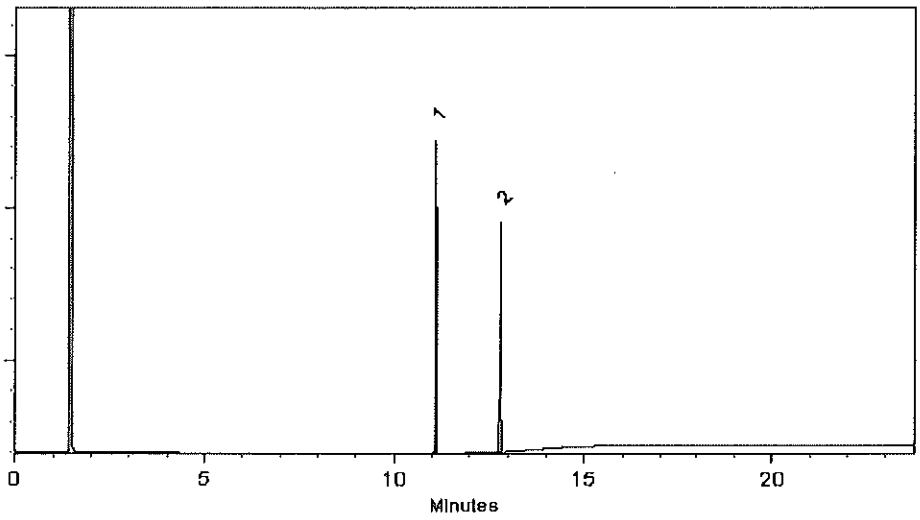
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-May-2024 **Balance Serial #** 1122030677

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 07-May-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

C:\CPData\CP38\Data\38scrn24301002B.001.RAW
410-192912-A-3-A
Response - MIllIVolts (span=74034)
0
10000
20000
30000
40000
50000
60000
Time - Minutes (span=7.0)
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
2.67
2.76
4.70
5.14
7.02

Reagent

OP_RES_LCS2_00014

OR RES-LCS2-00014

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569730 **Lot No.:** A0224695

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : October 31, 2026 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Component	CAS #	Lot #	Purity	Grav. Conc. (gravimetrically)	Expanded Uncertainty* (gravimetrically)
1	Benzidine	92-87-5	S250227ECS	99%	2,009.0 µg/mL	+/- 37.1177
2	3,3'-Dichlorobenzidine	91-94-1	S250226RSR	99%	2,002.4 µg/mL	+/- 36.9961

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

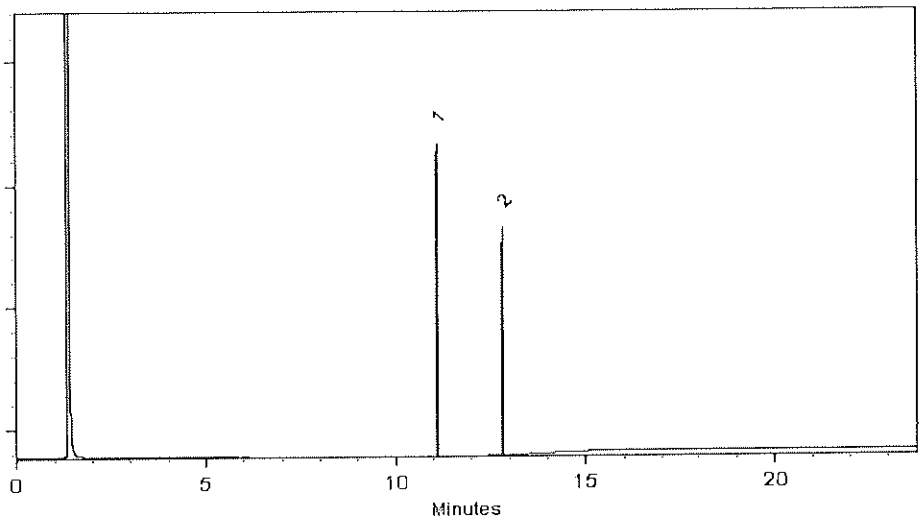
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician Date Mixed: 16-Apr-2025 Balance Serial # C322230531

Jennifer Polfino - Operations Tech III - ARM QC Date Passed: 18-Apr-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

OP_RES_LCS3_00011

OR-RES-LCS3-00010

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569731 **Lot No.:** A0203783

Description : 8270 List 1 / Std #10

8270 List 1 / Std #10 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Indene	95-13-6	RD221018	98%	2,005.7 µg/mL	+/- 112.6725
2	Benzoic acid	65-85-0	MKCR2694	99%	2,003.1 µg/mL	+/- 112.5297

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

OP_RES_LCSadd_00004

OP_RES_LCSadd-00004

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Custom Org Std - 10 at 2000 ug/mL (5mL)	**Lot Number:**	0006819172
Product Number:	CUS-00007657	**Lot Issue Date:**	15-Oct-2024
Storage Conditions:	Store Refrigerated (2° to 8°C).	**Expiration Date:**	30-Nov-2025

Component Name	Concentration		Uncertainty	CAS#	Analyte No.
diphenyl ether	2009	±	10 µg/mL	000101-84-8	NT01385
n-eicosane	2004	±	10 µg/mL	000112-95-8	RM04169
octachlorostyrene	2000	±	10 µg/mL	029082-74-4	RM02807
2,3-dichloroaniline	2002	±	10 µg/mL	000608-27-5	NT02176
n-tetradecane	2010	±	10 µg/mL	000629-59-4	RM12275
n-docosane	2001	±	10 µg/mL	000629-97-0	RM22455
1-methylphenanthrene	2002	±	10 µg/mL	000832-69-9	RM22766
alpha-terpineol	2003	±	10 µg/mL	000098-55-5	RM22657
alpha-methylstyrene	2004	±	10 µg/mL	000098-83-9	RM17948
N,N-dimethylformamide	2003	±	10 µg/mL	000068-12-2	RM06866

Matrix: methylene chloride (Burdick and Jackson)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Reagent

OP_TRIEMIN_NT_00002

OP-TRIETHYLAMINE-NT-00002

CHEMSERVICE

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Triethylamine

CATALOG NUMBER	N-13674-1G
LOT NUMBER	14673200
DATE CERTIFIED	08/21/23
EXPIRATION DATE	08/31/26
CAS NUMBER	121-44-8
MOLECULAR FORMULA	C6H15N
MOLECULAR WEIGHT	101.19
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/FID)	99.5
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

Alan Murray

COA Form
Revision 5.0 (10/23)

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER

Chem Service, Inc. is accredited to ISO/IEC 17025:2017, ISO 17034:2016 and certified to ISO 9001:2015

Print Date: 03/04/24

Reagent

WC_F_tcnlcssc_00006

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number: **54250**
Lot Number: **120224**
Description: **Complex Cyanide (CN^-)**

Expiration Date: 120226
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): **1000**
NIST Test Number: 6UTB 5E-05 Balance Uncertainty
Weights shown below were diluted to (mL): 1999.41 0.058 Flask Uncertainty

Lot #
Solvent: 120224 ASTM Type 1 Water

Formulated By:	Benson Chan	120224
Reviewed By:	Pedro L. Rentas	120224

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Potassium Ferricyanide (III) (CN)	IN166	TS08427AR	1000	99.0	0.10	47.5	4.2563	4.2570	**1000.2**	**2.0**	13746-66-2	NA	orl-mus 2970mg/kg	3141a
2. Sodium hydroxide	IN072	MKCL7860	NA	98.9	0.10	100.0	3.1990	3.1998	1600.4	**NA**	1310-73-2	2 mg/m3	orl-mus 6600mg/kg	NA

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
* All standard containers are meticulously cleaned prior to use.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
* All standards should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Reagent

WC_FL_CNVeriS_00047

RICCA CHEMICAL COMPANY®

448 West Fork Dr
Arlington, TX 76012
http://www.riccachemical.com
1-888-GO-RICCA
customerservice@riccachemical.com

Certificate of Analysis

Cyanide Standard, 1000 ppm CN^-

Lot Number: 1503H70 **Product Number:** 2543

Manufacture Date: MAR 14, 2025
Expiration Date: SEP 2025

This standard is prepared using accurate volumetric techniques from material that has been assayed against Silver Nitrate solution certifiec traceable to NIST Standard Reference Material 999. The certified value reported is the prepared value based upon the method of preparation of the material. The uncertainty in the prepared value is the combined uncertainty based on the stability of the assayed Potassium Cyanide, and the uncertainty in the mass and volume measurements.
Use 0.16% (w/v) (0.04 N) Sodium Hydroxide or 0.225 % (w/v) (0.04 N) Potassium Hydroxide to make dilutions of this standard. Restandardize weekly if extreme accuracy is required.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Cyanide	151-50-8	ACS
Sodium Hydroxide	1310-73-2	Reagent (from ACS)

Test	Specification	Result
Appearance	Colorless liquid	Passed
Cyanide (CN^-)	995-1005 ppm	1000 ppm

Specification	Reference
Stock Standard Cyanide Solution	APHA (4500-CN- F)
Stock Cyanide Solution	APHA (4500-CN- E)
Stock Cyanide Solution	APHA (4500-CN- K)
Stock Cyanide Solution	APHA (4500-CN- H)
Cyanide Reference Solution (1000 mg/L)	EPA (SW-846) (7.3.3.2)
Cyanide Calibration Stock Solution (1,000 mg/L CN-)	EPA (SW-846) (9213)
Stock Cyanide Solution	EPA (335.3)
Stock Cyanide Solution	EPA (335.2)
Cyanide Solution Stock	ASTM (D 4282)
Simple Cyanide Solution, Stock (1.0 g/L CN)	ASTM (D 4374)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
2543-16	500 mL amber poly	6 months
2543-4	120 mL amber poly	6 months

Recommended Storage: 2°C - 8°C (36°F - 46°F)

Ernest Mahan (03/14/2025)
Assistant Plant Manager

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.

Sample Container Check Report

Client: TRC, Engineers, Inc. Job ID: 410-234898-1
Project/Site: RFAAP, Radford HWMU16

Sample Container Checks and Verifications

Lab Sample ID: 410-234898-1 Client Sample ID: 16C1

Bottle Code	Check Performed	By Employee	Date	Check Result	Expected Result	Adjusted Date	Reagent Lot #	Reagent Expires	Re-check Result	Re-check Date
I	pH Check, 24hr Adjustment Confirmation Required	USWF	08/02/2025 21:08	<2	<2	N/A	N/A	N/A	N/A	N/A
J	pH Check	T7ZN	07/31/2025 17:23	>12	>12	N/A	N/A	N/A	N/A	N/A
J	Chlorine Check	T7ZN	07/31/2025 17:23	N	N/A	N/A	N/A	N/A	N/A	N/A
J	Sulfide Check	T7ZN	07/31/2025 17:23	N	N/A	N/A	N/A	N/A	N/A	N/A

Lab Sample ID: 410-234898-2 Client Sample ID: 16MW8

Bottle Code	Check Performed	By Employee	Date	Check Result	Expected Result	Adjusted Date	Reagent Lot #	Reagent Expires	Re-check Result	Re-check Date
G	pH Check, 24hr Adjustment Confirmation Required	USWF	08/02/2025 21:20	<2	<2	N/A	N/A	N/A	N/A	N/A
H	pH Check	T7ZN	07/31/2025 17:24	>12	>12	N/A	N/A	N/A	N/A	N/A
H	Chlorine Check	T7ZN	07/31/2025 17:24	N	N/A	N/A	N/A	N/A	N/A	N/A
H	Sulfide Check	T7ZN	07/31/2025 17:24	N	N/A	N/A	N/A	N/A	N/A	N/A

Lab Sample ID: 410-234898-3 Client Sample ID: 16MW9

Bottle Code	Check Performed	By Employee	Date	Check Result	Expected Result	Adjusted Date	Reagent Lot #	Reagent Expires	Re-check Result	Re-check Date
I	pH Check, 24hr Adjustment Confirmation Required	USWF	08/02/2025 21:24	<2	<2	N/A	N/A	N/A	N/A	N/A
J	pH Check	T7ZN	07/31/2025 17:25	>12	>12	N/A	N/A	N/A	N/A	N/A
J	Chlorine Check	T7ZN	07/31/2025 17:25	N	N/A	N/A	N/A	N/A	N/A	N/A
J	Sulfide Check	T7ZN	07/31/2025 17:25	N	N/A	N/A	N/A	N/A	N/A	N/A

Lab Sample ID: 410-234898-4 Client Sample ID: 16WC1A

Bottle Code	Check Performed	By Employee	Date	Check Result	Expected Result	Adjusted Date	Reagent Lot #	Reagent Expires	Re-check Result	Re-check Date
G	pH Check, 24hr Adjustment Confirmation Required	USWF	08/02/2025 21:25	<2	<2	N/A	N/A	N/A	N/A	N/A
G	pH Check, 24hr Adjustment Confirmation Required	USWF	08/02/2025 21:25	<2	<2	N/A	N/A	N/A	N/A	N/A
H	pH Check	T7ZN	07/31/2025 17:28	>12	>12	N/A	N/A	N/A	N/A	N/A
H	Chlorine Check	T7ZN	07/31/2025 17:27	Y	N/A	N/A	N/A	01/18/2026 23:59	N/A	N/A
H	Sulfide Check	T7ZN	07/31/2025 17:28	N	N/A	N/A	N/A	N/A	N/A	N/A

Lab Sample ID: 410-234898-4 MS Client Sample ID: 16WC1AMS

Bottle Code	Check Performed	By Employee	Date	Check Result	Expected Result	Adjusted Date	Reagent Lot #	Reagent Expires	Re-check Result	Re-check Date
G	pH Check, 24hr Adjustment Confirmation Required	USWF	08/02/2025 21:28	<2	<2	N/A	N/A	N/A	N/A	N/A
H	pH Check	T7ZN	07/31/2025 17:28	>12	>12	N/A	N/A	N/A	N/A	N/A
H	Chlorine Check	T7ZN	07/31/2025 17:28	Y	N/A	N/A	N/A	01/18/2026 23:59	N/A	N/A
H	Sulfide Check	T7ZN	07/31/2025 17:28	N	N/A	N/A	N/A	N/A	N/A	N/A

Sample Container Checks and Verifications (Continued)

Lab Sample ID: 410-234898-4 MSD — Client Sample ID: 16WC1AMSD

Bottle Code	Check Performed	By Employee	Date	Check Result	Expected Result	Adjusted Date	Reagent Lot #	Reagent Expires	Re-check Result	Re-check Date
G	pH Check, 24hr Adjustment Confirmation Required	USWF	08/02/2025 21:36	<2	<2	N/A	N/A	N/A	N/A	N/A
H	pH Check	T7ZN	07/31/2025 17:29	>12	>12	N/A	N/A	N/A	N/A	N/A
H	Chlorine Check	T7ZN	07/31/2025 17:29	Y	N/A	N/A	N/A	01/18/2026 23:59	N/A	N/A
H	Sulfide Check	T7ZN	07/31/2025 17:29	N	N/A	N/A	N/A	N/A	N/A	N/A

Lab Sample ID: 410-234898-5 — Client Sample ID: 16WDUP

Bottle Code	Check Performed	By Employee	Date	Check Result	Expected Result	Adjusted Date	Reagent Lot #	Reagent Expires	Re-check Result	Re-check Date
G	pH Check, 24hr Adjustment Confirmation Required	USWF	08/02/2025 21:38	<2	<2	N/A	N/A	N/A	N/A	N/A
H	pH Check	T7ZN	07/31/2025 17:30	>12	>12	N/A	N/A	N/A	N/A	N/A
H	Chlorine Check	T7ZN	07/31/2025 17:30	N	N/A	N/A	N/A	N/A	N/A	N/A
H	Sulfide Check	T7ZN	07/31/2025 17:30	N	N/A	N/A	N/A	N/A	N/A	N/A

Lab Sample ID: 410-234898-6 — Client Sample ID: 16WC1B

Bottle Code	Check Performed	By Employee	Date	Check Result	Expected Result	Adjusted Date	Reagent Lot #	Reagent Expires	Re-check Result	Re-check Date
G	pH Check, 24hr Adjustment Confirmation Required	USWF	08/02/2025 21:40	<2	<2	N/A	N/A	N/A	N/A	N/A
H	pH Check	T7ZN	07/31/2025 17:22	>12	>12	N/A	N/A	N/A	N/A	N/A
H	Chlorine Check	T7ZN	07/31/2025 17:22	N	N/A	N/A	N/A	N/A	N/A	N/A
H	Sulfide Check	T7ZN	07/31/2025 17:22	N	N/A	N/A	N/A	N/A	N/A	N/A

Method 8260D

Volatile Organic Compounds (GC/MS) by Method 8260D

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): R-624SilMS ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
16C1	410-234898-1	117	114	104	80
16MW8	410-234898-2	115	111	103	93
16MW9	410-234898-3	116	115	117	104
16WC1A	410-234898-4	116	115	104	93
16WDUP	410-234898-5	112	114	104	94
16WC1B	410-234898-6	117	114	103	95
Trip Blank 1	410-234898-12	115	109	105	89
Trip Blank 2	410-234898-13	114	112	103	93
Trip Blank 3	410-234898-14	114	114	103	92
	MB 410-681349/7	114	110	104	95
	LCS 410-681349/4	110	107	120	102
	LCSD 410-681349/5	110	109	112	97
16WC1AMS MS	410-234898-4 MS	113	111	107	94
16WC1AMSD MSD	410-234898-4 MSD	110	112	108	92

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	80-120
DCA = 1,2-Dichloroethane-d4 (Surr)	80-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	80-120

Column to be used to flag recovery values

FORM II 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 5G06X03.D

Lab ID: LCS 410-681349/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2-Propanol	150	112.1	75	34-139	
Acetone	250	334.4	134	57-143	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 5G06X04.D

Lab ID: LCSD 410-681349/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2-Propanol	150	118.1	79	5	30	34-139	
Acetone	250	325.8	130	3	30	57-143	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 5G06X17.D

Lab ID: 410-234898-4 MS Client ID: 16WC1AMS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
2-Propanol	150	ND	87.27 J	58	29-145	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 5G06X18.D

Lab ID: 410-234898-4 MSD Client ID: 16WC1AMSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2-Propanol	150	90.83 J	61	4	30	29-145	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: 5G06X06.D Lab Sample ID: MB 410-681349/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: 26285 Date Analyzed: 08/06/2025 10:23

GC Column: R-624SilMS 30m ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-681349/4	5G06X03.D	08/06/2025 09:23
	LCSD 410-681349/5	5G06X04.D	08/06/2025 09:43
Trip Blank 1	410-234898-12	5G06X07.D	08/06/2025 10:52
Trip Blank 2	410-234898-13	5G06X08.D	08/06/2025 11:12
Trip Blank 3	410-234898-14	5G06X09.D	08/06/2025 11:33
16C1	410-234898-1	5G06X13.D	08/06/2025 12:55
16MW8	410-234898-2	5G06X14.D	08/06/2025 13:15
16MW9	410-234898-3	5G06X15.D	08/06/2025 13:36
16WC1A	410-234898-4	5G06X16.D	08/06/2025 13:56
16WC1AMS MS	410-234898-4 MS	5G06X17.D	08/06/2025 14:16
16WC1AMSD MSD	410-234898-4 MSD	5G06X18.D	08/06/2025 14:37
16WDUP	410-234898-5	5G06X19.D	08/06/2025 14:57
16WC1B	410-234898-6	5G06X20.D	08/06/2025 15:18

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: BFB Injection Date:

Instrument ID: BFB Injection Time:

Lab File ID: DFTPP Injection Date:

Instrument ID: DFTPP Injection Time:

Analysis Batch No.:

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE

NOTE: All ion abundances shall be normalized to m/z 95, the nominal base peak, even though the ion abundance of m/z 174 may be up to 120% that of m/z 95. Criteria based on EPA method 524.4.

NOTE: All ion abundances MUST be normalized to m/z 198, the nominal base peak, even though the ion abundance of m/z 442 may exceed that of m/z 198.

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-609313/12	5F24X11.D	02/24/2025	19:07
	IC 410-609313/13	5F24X12.D	02/24/2025	19:27
	IC 410-609313/14	5F24X13.D	02/24/2025	19:47
	IC 410-609313/15	5F24X14.D	02/24/2025	20:08
	ICIS 410-609313/16	5F24X15.D	02/24/2025	20:28
	IC 410-609313/17	5F24X16.D	02/24/2025	20:48
	IC 410-609313/18	5F24X17.D	02/24/2025	21:09

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: 5Y21T01.D BFB Injection Date: 05/21/2025

Instrument ID: 26285 BFB Injection Time: 15:30

Analysis Batch No.: 647030

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.5	
75	30.0 - 60.0 % of mass 95	48.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	78.6	
175	5.0 - 9.0 % of mass 174	6.3	(8.1) 1
176	95.0 - 101.0 % of mass 174	75.8	(96.5) 1
177	5.0 - 9.0 % of mass 176	4.8	(6.3) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 410-647030/10	5Y21X09.D	05/21/2025	18:33
	IC 410-647030/12	5Y21X11.D	05/21/2025	19:14
	IC 410-647030/13	5Y21X12.D	05/21/2025	19:35
	IC 410-647030/14	5Y21X13.D	05/21/2025	19:55
	IC 410-647030/15	5Y21X14.D	05/21/2025	20:15
	ICIS 410-647030/16	5Y21X15.D	05/21/2025	20:36
	IC 410-647030/17	5Y21X16.D	05/21/2025	20:56
	IC 410-647030/18	5Y21X17.D	05/21/2025	21:16
	ICV 410-647030/20	5Y21X19.D	05/21/2025	21:57

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: 5G06T01.D BFB Injection Date: 08/06/2025

Instrument ID: 26285 BFB Injection Time: 08:06

Analysis Batch No.: 681349

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.4	
75	30.0 - 60.0 % of mass 95	48.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	88.7	
175	5.0 - 9.0 % of mass 174	7.2	(8.1) 1
176	95.0 - 101.0 % of mass 174	85.7	(96.6) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-681349/3	5G06X02.D	08/06/2025	9:02
	LCS 410-681349/4	5G06X03.D	08/06/2025	9:23
	LCSD 410-681349/5	5G06X04.D	08/06/2025	9:43
	MB 410-681349/7	5G06X06.D	08/06/2025	10:23
Trip Blank 1	410-234898-12	5G06X07.D	08/06/2025	10:52
Trip Blank 2	410-234898-13	5G06X08.D	08/06/2025	11:12
Trip Blank 3	410-234898-14	5G06X09.D	08/06/2025	11:33
16C1	410-234898-1	5G06X13.D	08/06/2025	12:55
16MW8	410-234898-2	5G06X14.D	08/06/2025	13:15
16MW9	410-234898-3	5G06X15.D	08/06/2025	13:36
16WC1A	410-234898-4	5G06X16.D	08/06/2025	13:56
16WC1AMS MS	410-234898-4 MS	5G06X17.D	08/06/2025	14:16
16WC1AMSD MSD	410-234898-4 MSD	5G06X18.D	08/06/2025	14:37
16WDUP	410-234898-5	5G06X19.D	08/06/2025	14:57
16WC1B	410-234898-6	5G06X20.D	08/06/2025	15:18

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: ICIS 410-647030/16 Date Analyzed: 05/21/2025 20:36

Instrument ID: 26285 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): 5Y21X15.D Heated Purge: (Y/N) N

Calibration ID: 72935

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		551887	3.51	1235887	6.94	861702	10.71
UPPER LIMIT		1103774	4.01	2471774	7.44	1723404	11.21
LOWER LIMIT		275944	3.01	617944	6.44	430851	10.21
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-647030/10		566919	3.50	1226219	6.94	811977	10.71
ICV 410-647030/20		539393	3.49	1235279	6.94	840800	10.71
CCVIS 410-681349/3		467423	3.46	1428337	6.91	948859	10.69

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: ICIS 410-647030/16 Date Analyzed: 05/21/2025 20:36

Instrument ID: 26285 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): 5Y21X15.D Heated Purge: (Y/N) N

Calibration ID: 72935

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		443394	12.70				
UPPER LIMIT		886788	13.20				
LOWER LIMIT		221697	12.20				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-647030/10		455680	12.70				
ICV 410-647030/20		447526	12.70				
CCVIS 410-681349/3		467758	12.68				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: CCVIS 410-681349/3 Date Analyzed: 08/06/2025 09:02

Instrument ID: 26285 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): 5G06X02.D Heated Purge: (Y/N) N

Calibration ID: 72935

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		467423	3.46	1428337	6.91	948859	10.69
UPPER LIMIT		934846	3.96	2856674	7.41	1897718	11.19
LOWER LIMIT		233712	2.96	714169	6.41	474430	10.19
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-681349/4		396584	3.47	1346834	6.91	778112	10.68
LCSD 410-681349/5		436323	3.47	1432780	6.91	867564	10.69
MB 410-681349/7		437552	3.43	1331392	6.91	824742	10.69
410-234898-12	Trip Blank 1	447736	3.44	1340849	6.90	802266	10.68
410-234898-13	Trip Blank 2	426644	3.43	1342318	6.91	837569	10.68
410-234898-14	Trip Blank 3	402131	3.46	1329144	6.90	830180	10.68
410-234898-1	16C1	361641	3.47	1222561	6.91	764708	10.69
410-234898-2	16MW8	363278	3.48	1240501	6.91	779304	10.69
410-234898-3	16MW9	404412	3.48	1299995	6.91	723825	10.69
410-234898-4	16WC1A	351717	3.45	1263793	6.91	786967	10.69
410-234898-4 MS	16WC1AMS MS	369880	3.45	1377747	6.91	889003	10.69
410-234898-4 MSD	16WC1AMSD MSD	430816	3.46	1428137	6.91	903118	10.69
410-234898-5	16WDUP	446551	3.46	1378973	6.91	848344	10.69
410-234898-6	16WC1B	449457	3.48	1304952	6.91	819249	10.69

TBAd10 = t-Butyl alcohol-d10 (IS)
TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: CCVIS 410-681349/3 Date Analyzed: 08/06/2025 09:02

Instrument ID: 26285 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): 5G06X02.D Heated Purge: (Y/N) N

Calibration ID: 72935

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		467758	12.68				
UPPER LIMIT		935516	13.18				
LOWER LIMIT		233879	12.18				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-681349/4		491877	12.68				
LCSD 410-681349/5		513594	12.68				
MB 410-681349/7		509658	12.68				
410-234898-12	Trip Blank 1	426447	12.68				
410-234898-13	Trip Blank 2	497382	12.68				
410-234898-14	Trip Blank 3	502890	12.68				
410-234898-1	16C1	410065	12.68				
410-234898-2	16MW8	475694	12.68				
410-234898-3	16MW9	491073	12.68				
410-234898-4	16WC1A	419587	12.68				
410-234898-4 MS	16WC1AMS MS	523379	12.68				
410-234898-4 MSD	16WC1AMSD MSD	524692	12.69				
410-234898-5	16WDUP	507855	12.68				
410-234898-6	16WC1B	502942	12.69				

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16C1
Lab Sample ID: 410-234898-1

Matrix: Water
Lab File ID: 5G06X13.D

Analysis Method: 8260D
Date Collected: 07/30/2025 14:20

Sample wt/vol: 5(mL)
Date Analyzed: 08/06/2025 12:55

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681349
Units: ug/L

Preparation Batch No.:
Instrument ID: 26285

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-63-0	2-Propanol	ND		100	50.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		80-120
1868-53-7	Dibromofluoromethane (Surr)	117		80-120
460-00-4	4-Bromofluorobenzene (Surr)	80		80-120
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X13.D
Lims ID: 410-234898-A-1
Client ID: 16C1
Sample Type: Client
Inject. Date: 06-Aug-2025 12:55:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155647-014
Operator ID: clm27445 Instrument ID: 26285

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 13:39:14 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:52:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
22 Isopropyl alcohol	45		3.055				ND	
* 29 t-Butyl alcohol-d10 (IS)	65	3.469	3.463	0.006	32	361641	250.0	
$ 51 Dibromofluoromethane (Surr)	113	5.975	5.975	0.000	93	351452	58.4	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.457	6.456	0.001	48	76442	57.0	
* 63 Fluorobenzene (IS)	96	6.908	6.908	0.000	98	1222561	50.0	
$ 84 Toluene-d8 (Surr)	98	9.060	9.060	0.000	94	1092155	52.0	
* 128 Chlorobenzene-d5 (IS)	117	10.688	10.687	0.001	87	764708	50.0	
$ 143 4-Bromofluorobenzene (Surr)	95	11.760	11.760	0.000	92	328336	40.1	
* 163 1,4-Dichlorobenzene-d4	152	12.681	12.681	0.000	95	410065	50.0	

QC Flag Legend
Processing Flags

Reagents:
MSV_Cent_ISSS_00043 Amount Added: 5.00 Units: uL Run Reagent

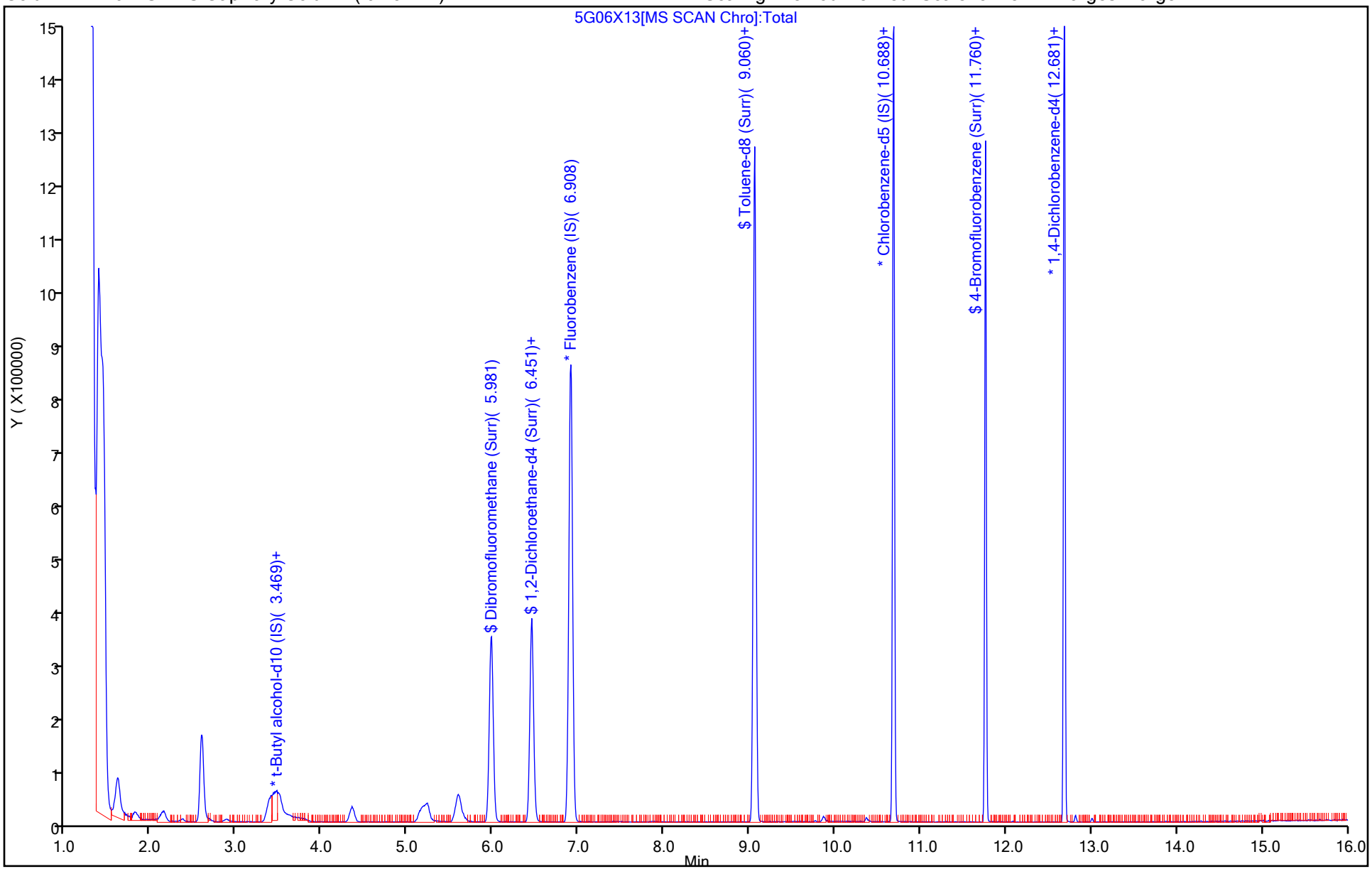
Report Date: 07-Aug-2025 08:52:54 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X13.D

Injection Date:	06-Aug-2025 12:55:30	Instrument ID:	26285	Operator ID:	clm27445
Lims ID:	410-234898-A-1	Lab Sample ID:	410-234898-1	Worklist Smp#:	14
Client ID:	16C1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X13.D
Lims ID: 410-234898-A-1
Client ID: 16C1
Sample Type: Client
Inject. Date: 06-Aug-2025 12:55:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155647-014
Operator ID: clm27445 Instrument ID: 26285

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 13:39:14 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:52:53

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	58.4	116.72
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	57.0	114.05
$ 84 Toluene-d8 (Surr)	50.0	52.0	104.06
$ 143 4-Bromofluorobenzene (Surr)	50.0	40.1	80.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16MW8
Lab Sample ID: 410-234898-2

Matrix: Water
Lab File ID: 5G06X14.D

Analysis Method: 8260D
Date Collected: 07/29/2025 11:20

Sample wt/vol: 5(mL)
Date Analyzed: 08/06/2025 13:15

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681349
Units: ug/L

Preparation Batch No.:
Instrument ID: 26285

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-63-0	2-Propanol	ND		100	50.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		80-120
1868-53-7	Dibromofluoromethane (Surr)	115		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X14.D
Lims ID: 410-234898-A-2
Client ID: 16MW8
Sample Type: Client
Inject. Date: 06-Aug-2025 13:15:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155647-015
Operator ID: clm27445 Instrument ID: 26285

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 13:39:14 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:53:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
22 Isopropyl alcohol	45		3.055				ND	
* 29 t-Butyl alcohol-d10 (IS)	65	3.476	3.463	0.013	29	363278	250.0	
$ 51 Dibromofluoromethane (Surr)	113	5.975	5.975	0.000	93	352741	57.7	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.451	6.456	-0.005	48	75581	55.6	
* 63 Fluorobenzene (IS)	96	6.908	6.908	0.000	98	1240501	50.0	
$ 84 Toluene-d8 (Surr)	98	9.060	9.060	0.000	94	1096400	51.3	
* 128 Chlorobenzene-d5 (IS)	117	10.688	10.687	0.001	87	779304	50.0	
$ 143 4-Bromofluorobenzene (Surr)	95	11.761	11.760	0.000	92	386845	46.4	
* 163 1,4-Dichlorobenzene-d4	152	12.681	12.681	0.000	95	475694	50.0	

QC Flag Legend
Processing Flags

Reagents:
MSV_Cent_ISSS_00043 Amount Added: 5.00 Units: uL Run Reagent

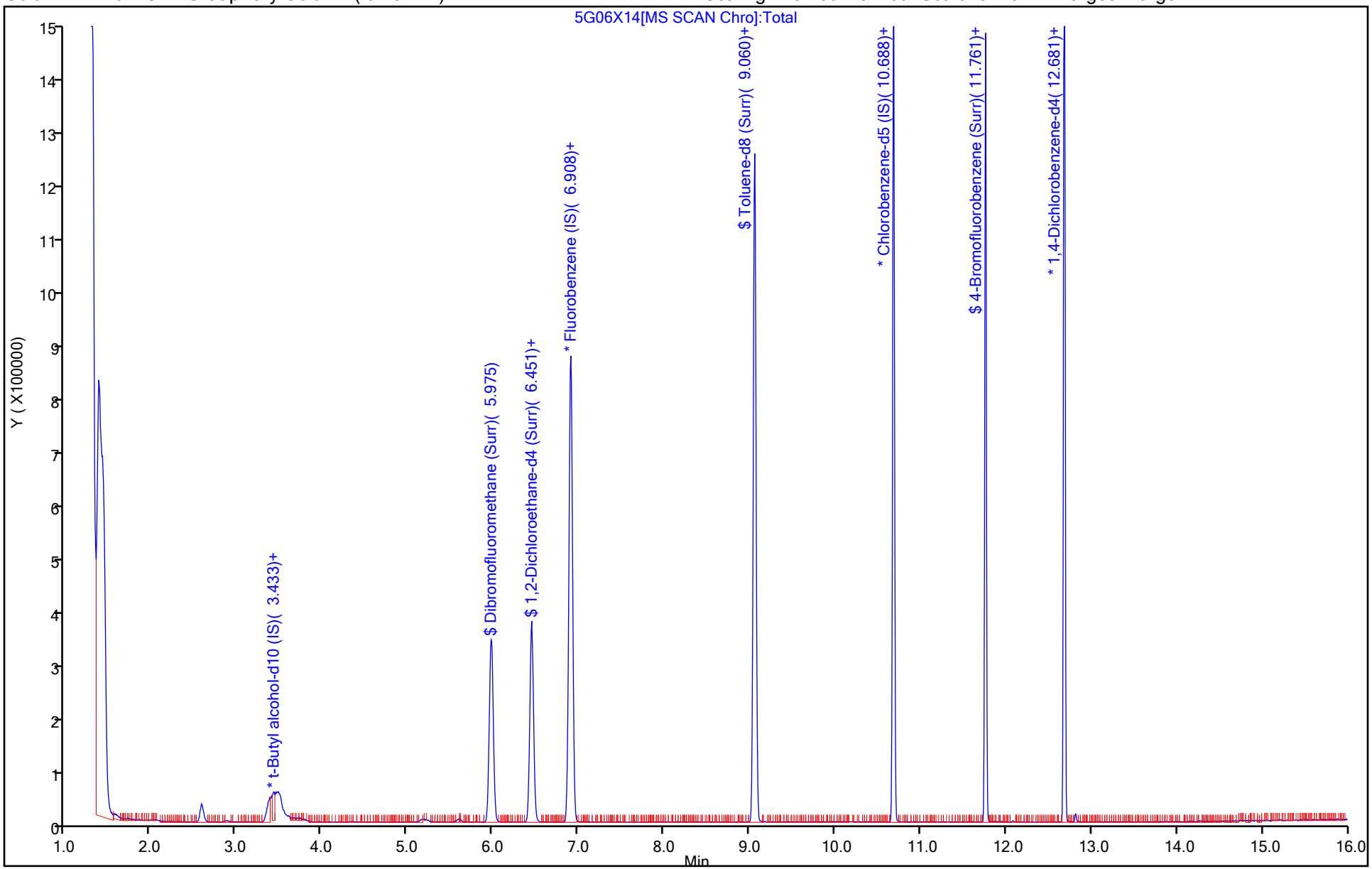
Report Date: 07-Aug-2025 08:53:06 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X14.D

Injection Date:	06-Aug-2025 13:15:30	Instrument ID:	26285	Operator ID:	clm27445
Lims ID:	410-234898-A-2	Lab Sample ID:	410-234898-2	Worklist Smp#:	15
Client ID:	16MW8				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X14.D
Lims ID: 410-234898-A-2
Client ID: 16MW8
Sample Type: Client
Inject. Date: 06-Aug-2025 13:15:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155647-015
Operator ID: clm27445 Instrument ID: 26285

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 13:39:14 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:53:06

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	57.7	115.45
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	55.6	111.13
$ 84 Toluene-d8 (Surr)	50.0	51.3	102.51
$ 143 4-Bromofluorobenzene (Surr)	50.0	46.4	92.77

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16MW9
Lab Sample ID: 410-234898-3

Matrix: Water
Lab File ID: 5G06X15.D

Analysis Method: 8260D
Date Collected: 07/30/2025 13:15

Sample wt/vol: 5(mL)
Date Analyzed: 08/06/2025 13:36

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681349
Units: ug/L

Preparation Batch No.:
Instrument ID: 26285

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-63-0	2-Propanol	ND		100	50.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		80-120
1868-53-7	Dibromofluoromethane (Surr)	116		80-120
460-00-4	4-Bromofluorobenzene (Surr)	104		80-120
2037-26-5	Toluene-d8 (Surr)	117		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X15.D
Lims ID: 410-234898-A-3
Client ID: 16MW9
Sample Type: Client
Inject. Date: 06-Aug-2025 13:36:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155647-016
Operator ID: clm27445 Instrument ID: 26285

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 13:39:14 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:53:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
22 Isopropyl alcohol	45		3.055				ND	7
* 29 t-Butyl alcohol-d10 (IS)	65	3.475	3.463	0.012	29	404412	250.0	
$ 51 Dibromofluoromethane (Surr)	113	5.981	5.975	0.006	93	370414	57.8	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.450	6.456	-0.006	74	82141	57.6	
* 63 Fluorobenzene (IS)	96	6.914	6.908	0.006	98	1299995	50.0	
$ 84 Toluene-d8 (Surr)	98	9.060	9.060	0.000	94	1160619	58.4	
* 128 Chlorobenzene-d5 (IS)	117	10.687	10.687	0.000	86	723825	50.0	
$ 143 4-Bromofluorobenzene (Surr)	95	11.760	11.760	0.000	91	401051	51.8	
* 163 1,4-Dichlorobenzene-d4	152	12.681	12.681	0.000	95	491073	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

MSV_Cent_ISSS_00043 Amount Added: 5.00 Units: uL Run Reagent

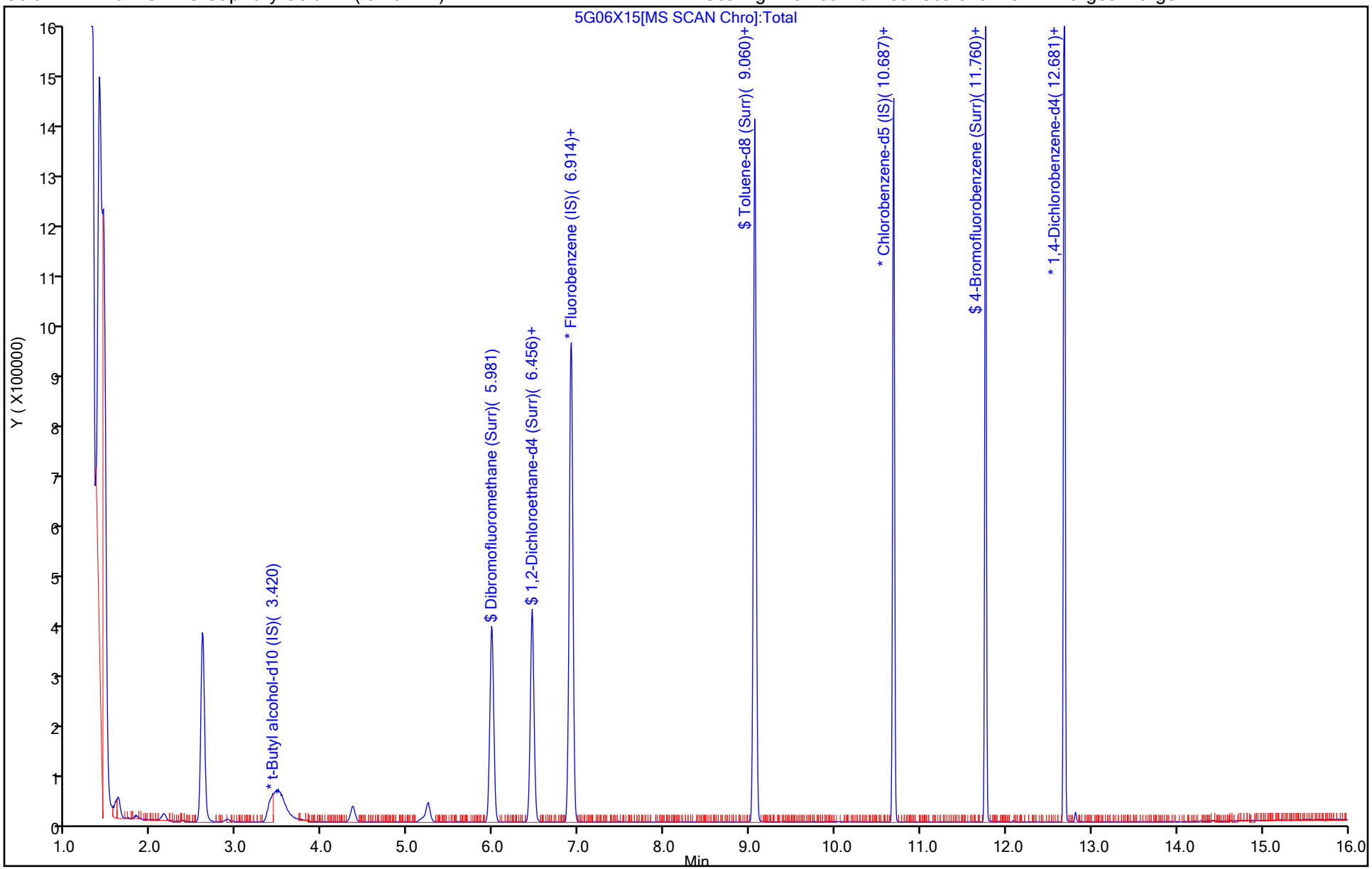
Report Date: 07-Aug-2025 08:53:19 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X15.D

Injection Date:	06-Aug-2025 13:36:30	Instrument ID:	26285	Operator ID:	clm27445
Lims ID:	410-234898-A-3	Lab Sample ID:	410-234898-3	Worklist Smp#:	16
Client ID:	16MW9				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X15.D				
Lims ID:	410-234898-A-3				
Client ID:	16MW9				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 13:36:30	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155647-016				
Operator ID:	clm27445	Instrument ID:	26285		
Method:	\\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m				
Limit Group:	MSV - 8260C_D				
Last Update:	06-Aug-2025 13:39:14	Calib Date:	21-May-2025 21:16:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:53:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	57.8	115.69
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	57.6	115.25
$ 84 Toluene-d8 (Surr)	50.0	58.4	116.83
$ 143 4-Bromofluorobenzene (Surr)	50.0	51.8	103.55

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1A
Lab Sample ID: 410-234898-4

Matrix: Water
Lab File ID: 5G06X16.D

Analysis Method: 8260D
Date Collected: 07/30/2025 11:05

Sample wt/vol: 5(mL)
Date Analyzed: 08/06/2025 13:56

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681349
Units: ug/L

Preparation Batch No.:
Instrument ID: 26285

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-63-0	2-Propanol	ND		100	50.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		80-120
1868-53-7	Dibromofluoromethane (Surr)	116		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X16.D
Lims ID: 410-234898-A-4
Client ID: 16WC1A
Sample Type: Client
Inject. Date: 06-Aug-2025 13:56:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155647-017
Operator ID: clm27445 Instrument ID: 26285

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 08:54:24 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:54:24

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	1 Chlorotrifluoroethene	116		1.567				ND	
	3 Dichlorodifluoromethane	85		1.585				ND	7
T	108 Freon 115 TIC	85	1.604	1.647	-0.043	1	99	0.003917	
	2 Chlorodifluoromethane	51		1.665				ND	U
	4 Chloromethane	50		1.744				ND	7
	5 Butadiene	39		1.829				ND	7
	6 Vinyl chloride	62		1.835				ND	U
	7 2-Chloro-1,1,1-Trifluoroethane	118		1.909				ND	
T	8 Dimethyl Sulfide TIC	62	1.866	2.025	-0.159	1	224	0.008862	
	9 Bromomethane	94		2.104				ND	
	10 Chloroethane	64	2.153	2.165	-0.012	94	8305	1.22	
	11 Dichlorofluoromethane	67	2.360	2.372	-0.012	95	5064	0.2411	
	13 Trichlorofluoromethane	101		2.415				ND	
	12 Pentane	43		2.433				ND	
	14 Ethanol	45		2.567				ND	U
	15 Ethyl ether	59	2.598	2.598	0.000	95	97190	15.5	
	16 1,2-Dichloro-1,1,2-trifluoroetha	67		2.689				ND	
	17 Acrolein	56		2.744				ND	
	18 1,1-Dichloroethene	96		2.866				ND	
	19 Acetone	58		2.884				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.896				ND	
	21 Iodomethane	142		3.036				ND	
	22 Isopropyl alcohol	45		3.055				ND	
	23 Carbon disulfide	76		3.128				ND	
	27 Acetonitrile	41		3.207				ND	
	25 Methyl acetate	43		3.225				ND	
T	24 Acetonitrile TIC	41		3.226				ND	
	26 3-Chloro-1-propene	41		3.244				ND	
	28 Methylene Chloride	84		3.414				ND	
*	29 t-Butyl alcohol-d10 (IS)	65	3.451	3.463	-0.012	34	351717	250.0	
	30 2-Methyl-2-propanol	59		3.542				ND	7
	31 Acrylonitrile	53		3.683				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
32 trans-1,2-Dichloroethene	96		3.738				ND	
33 Methyl tert-butyl ether	73		3.744				ND	
34 Hexane	57		4.122				ND	
36 1,1-Dichloroethane	63	4.353	4.353	0.000	96	28180	2.07	
37 Vinyl acetate	43		4.378				ND	
38 Isopropyl ether	45		4.420				ND	
39 2-Chloro-1,3-butadiene	53		4.463				ND	
40 Tert-butyl ethyl ether	59		4.999				ND	
42 2-Butanone (MEK)	43		5.225				ND	7
43 cis-1,2-Dichloroethene	96	5.237	5.231	0.006	81	14133	1.87	
44 2,2-Dichloropropane	77		5.256				ND	7
41 Ethyl acetate	43		5.311				ND	
45 Propionitrile	54		5.323				ND	
46 Methyl acrylate	55		5.377				ND	
47 Methacrylonitrile	67		5.536				ND	
48 Chlorobromomethane	128		5.585				ND	
49 Tetrahydrofuran	71	5.591	5.591	0.000	75	1445	1.30	
50 Chloroform	83		5.749				ND	
$ 51 Dibromofluoromethane (Surr)	113	5.975	5.975	0.000	93	360255	57.9	
52 1,1,1-Trichloroethane	97		5.975				ND	
53 Cyclohexane	56		6.072				ND	
S 54 1,2-Dichloroethene, Total	100				0		1.87	
55 Carbon tetrachloride	117		6.194				ND	
56 1,1-Dichloropropene	75		6.200				ND	
57 Isobutyl alcohol	41		6.432				ND	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.451	6.456	-0.006	71	79404	57.3	
59 Benzene	78	6.475	6.475	0.000	85	5869	0.1996	
60 1,2-Dichloroethane	62		6.560				ND	7
61 Isopropyl acetate	43		6.621				ND	
62 Tert-amyl methyl ether	73		6.694				ND	
* 63 Fluorobenzene (IS)	96	6.908	6.908	0.000	99	1263793	50.0	
64 n-Heptane	43		6.932				ND	U
65 n-Butanol	56		7.353				ND	
66 Trichloroethene	95		7.408				ND	
67 Ethyl acrylate	55		7.584				ND	
68 Methylcyclohexane	83		7.718				ND	
69 1,2-Dichloropropane	63		7.761				ND	
70 2-ethoxy-2-methyl butane	87		7.786				ND	
71 t-Amyl alcohol	73		7.804				ND	
72 1,4-Dioxane	88		7.865				ND	
73 Dibromomethane	93		7.871				ND	
74 Methyl methacrylate	69		7.877				ND	
75 n-Propyl acetate	61		7.981				ND	
76 Dichlorobromomethane	83		8.133				ND	
77 2-Nitropropane	41		8.432				ND	
T 81 Vinyl Fluoride TIC	46		8.450				ND	
78 2-Chloroethyl vinyl ether	63		8.535				ND	
79 cis-1,3-Dichloropropene	75		8.718				ND	
83 4-Methyl-2-pentanone (MIBK)	43		8.926				ND	
T 80 Chlorofluoromethane TIC	68	1.811	8.950	-7.139	90	8108	0.3208	
$ 84 Toluene-d8 (Surr)	98	9.060	9.060	0.000	94	1122061	51.9	
T 82 Tetranitromethane TIC	46	9.060	9.072	-0.012	1	12468	0.4933	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
85 Toluene	92		9.151				ND	
86 trans-1,3-Dichloropropene	75		9.462				ND	
87 Ethyl methacrylate	69		9.547				ND	
88 1,1,2-Trichloroethane	97		9.688				ND	
89 Tetrachloroethene	166		9.767				ND	7
91 1,3-Dichloropropane	76		9.870				ND	
93 3,4-Dichloro-1-butene	75		9.919				ND	
92 2-Hexanone	43		9.944				ND	
T 96 n-Nonane TIC	43	9.749	9.956	-0.207	1	125	0.004945	
T 197 trans-1,2,3-Trichlorobutene-2	53		9.956				ND	7
T 94 1,1,1,2-Tetrafluoroethane TIC	69	9.090	9.962	-0.872	1	191	0.007557	
T 90 1-Chlorobutane TIC	56	10.681	9.962	0.719	32	5143	0.2035	
T 97 Bromoethane TIC	29		10.000				ND	
T 95 Fluoromethane TIC	34		10.000				ND	
S 98 1,3-Dichloropropene, Total	100		10.060				ND	7
100 Chlorodibromomethane	129		10.096				ND	
99 n-Butyl acetate	43		10.096				ND	
T 235 bis(chloromethyl)ether TIC	93	9.072	10.114	-1.042	25	497	0.0197	
101 Ethylene Dibromide	107		10.206				ND	
T 115 Ethylene oxide TIC	43	10.492	10.322	0.170	60	209	0.008269	
T 102 1,2-Dichlorofluoroethane TIC	81	10.687	10.553	0.134	9	18525	0.7329	
T 107 Propanol TIC	59	10.681	10.559	0.122	13	9879	0.3908	
T 116 Propane TIC	43	10.492	10.559	-0.067	19	209	0.008269	
T 112 tert-amyl alcohol TIC	59	10.681	10.559	0.122	14	9879	0.3908	
T 109 Propene oxide TIC	43		10.559				ND	
T 124 2,3-Dichloro-1,3-butadiene TIC	51		10.565				ND	
T 126 1,1,2-Trifluoroethane TIC	51	10.687	10.675	0.012	7	6804	0.2692	
* 128 Chlorobenzene-d5 (IS)	117	10.687	10.687	0.000	87	786967	50.0	
T 119 n-Butyl acrylate TIC	55	10.681	10.694	-0.013	22	7690	0.3042	
T 125 Propionaldehyde TIC	58	10.681	10.694	-0.013	29	27436	1.09	
T 103 1,1,1-Trifluoro-2,2-dichloroetha	83	10.681	10.694	-0.013	1	28631	1.13	
T 122 1,3-Dichlorobutene-2(total) TIC	89	10.681	10.694	-0.013	8	6870	0.2718	
T 114 Diethoxymethane TIC	59	10.681	10.700	-0.019	0	9879	0.3908	
130 Chlorobenzene	112		10.712				ND	
129 1-Chlorohexane	91		10.712				ND	U
T 111 1,1-Dichloro-1-fluoroethane TIC	81	10.687	10.712	-0.025	1	18525	0.7329	
T 104 Epichlorohydrin TIC	57		10.724				ND	
T 127 Allyl Alcohol TIC	57		10.724				ND	
T 118 Ethyl Acetate TIC	43	10.687	10.724	-0.037	1	830	0.0328	
T 113 Chloroacetaldehyde TIC	50	10.681	10.724	-0.043	37	26663	1.05	
T 117 1-Bromo-2-chloroethane TIC	63	10.681	10.724	-0.043	1	5300	0.2097	
T 105 Isooctane TIC	57		10.724				ND	
T 123 Vinyl acetate (TIC)	43	10.687	10.724	-0.037	3	830	0.0328	
T 110 Ethyl acrylate TIC	55	10.681	10.724	-0.043	18	7690	0.3042	
T 121 1-Chloro-1,1-difluoroethane TIC	65	10.681	10.724	-0.043	7	2774	0.1097	
T 106 Dichloro-1,1,2,2-tetrafluoroetha	85	10.687	10.724	-0.037	1	4715	0.1865	
T 120 3-chloro-1-Butene TIC	55	10.681	10.724	-0.043	31	7690	0.3042	
131 1,1,1,2-Tetrachloroethane	131		10.809				ND	
132 Ethylbenzene	91		10.815				ND	
133 m-Xylene & p-Xylene	106		10.943				ND	
S 135 Xylenes, Total	106		11.245				ND	7
134 n-Butyl acrylate	55		11.273				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
136 o-Xylene	106		11.291				ND	
162 Ethyl bromide	108		11.303				ND	U
137 Styrene	104		11.309				ND	
138 Bromoform	173		11.468				ND	
139 Isopropylbenzene	105		11.614				ND	
142 cis-1,4-Dichloro-2-butene	88		11.687				ND	
141 Cyclohexanone	55		11.706				ND	
$ 143 4-Bromofluorobenzene (Surr)	95	11.760	11.760	0.000	91	392998	46.7	
T 140 divinyl benzene TIC	131	11.760	11.773	-0.013	10	379	0.0150	
144 Bromobenzene	156		11.876				ND	
145 1,1,2,2-Tetrachloroethane	83		11.882				ND	
146 trans-1,4-Dichloro-2-butene	53		11.907				ND	
147 1,2,3-Trichloropropane	110		11.925				ND	
148 N-Propylbenzene	91		11.962				ND	
150 2-Chlorotoluene	126		12.035				ND	
152 1,3,5-Trimethylbenzene	105		12.108				ND	
153 4-Chlorotoluene	126		12.132				ND	
149 2,3,4-Trichlorobutene	109		12.175				ND	
154 tert-Butylbenzene	134		12.358				ND	
156 1,2,4-Trimethylbenzene	105		12.400				ND	
155 Pentachloroethane	167		12.401				ND	
T 151 4-Ethyltoluene TIC	105	11.754	12.413	-0.659	7	434	0.0172	
158 sec-Butylbenzene	105		12.528				ND	
159 1,3-Dichlorobenzene	146		12.626				ND	
T 161 2,3,4-Trichlorobutene TIC	109	12.681	12.632	0.049	0	1282	0.0507	
T 157 1,1,1-Trichloro-2,2,2-trifluoroe	151	12.681	12.638	0.043	4	53001	2.10	
160 4-Isopropyltoluene	119		12.644				ND	
* 163 1,4-Dichlorobenzene-d4	152	12.681	12.681	0.000	95	419587	50.0	
164 1,4-Dichlorobenzene	146		12.699				ND	
165 1,2,3-Trimethylbenzene	105		12.717				ND	
166 Benzyl chloride	91		12.785				ND	
167 1,3-Diethylbenzene	119		12.852				ND	
168 p-Diethylbenzene	119		12.925				ND	
169 n-Butylbenzene	92		12.949				ND	
171 1,2-Dichlorobenzene	146		12.967				ND	
172 o-diethylbenzene	119		12.998				ND	
T 170 Hexachloroethane TIC	117	12.681	13.181	-0.500	1	74701	2.96	
173 1,2-Dibromo-3-Chloropropane	75		13.534				ND	
174 Hexachloroethane	201		13.547				ND	
175 1,3,5-Trichlorobenzene	180		13.662				ND	
176 1,2,4-Trichlorobenzene	180		14.095				ND	
177 2-Ethylhexyl acrylate	55		14.187				ND	
178 Hexachlorobutadiene	225		14.187				ND	
179 Naphthalene	128		14.278				ND	7
180 1,2,3-Trichlorobenzene	180		14.424				ND	
181 2-Methylnaphthalene	142		15.034				ND	
182 C4-C10	1		0.000				ND	
S 213 Total Diethylbenzene	1		0.000				ND	7
214 1,1-Dichloro-1-fluoroethane	1		0.000				ND	
215 Propene oxide	1		0.000				ND	
216 C4-C12	1		0.000				ND	
217 C6-C12	1		0.000				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
218 tert-Butyl Formate	1		0.000				ND	
219 C5-C12	1		0.000				ND	
220 2,2-Dimethylpropane TIC	1		0.000				ND	
210 Isobutyl acetate	43		0.000				ND	
211 2,3-Dichloro-1,3-butadiene	1		0.000				ND	
212 4-Ethyltoluene	1		0.000				ND	
221 2-Methylhexane TIC	1		0.000				ND	
S 225 Total BTEX	1		0.000				ND	
226 1-Chlorobutane	1		0.000				ND	
227 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000				ND	
228 Butane	1		0.000				ND	
229 1,4-Divinylbenzene	1		0.000				ND	
230 Cyclopentane TIC	1		0.000				ND	
231 3-Methylhexane TIC	1		0.000				ND	
232 2-ethoxy-2-methyl butane TIC	1		0.000				ND	
222 1-Bromo-2-chloroethane	1		0.000				ND	
223 n-Decane	57		0.000				ND	
224 1,3-Divinylbenzene	1		0.000				ND	
209 Diethoxymethane	1		0.000				ND	
208 3-Methyl-1-butene	1		0.000				ND	
207 sec-Butyl Alcohol	45		0.000				ND	
185 Propanol	1		0.000				ND	
186 Methylal	1		0.000				ND	
187 Dodecane	57		0.000				ND	
188 3-chloro-1-Butene	1		0.000				ND	
189 Chloroacetonitrile	1		0.000				ND	
190 Undecane	1		0.000				ND	
191 n-Octane	1		0.000				ND	
192 C7-C12	1		0.000				ND	
193 Dimethylformamide TIC	1		0.000				ND	
183 3-Pentanone TIC	1		0.000				ND	
184 Gasoline (Unleaded)	1		0.000				ND	
194 1-Methylnaphthalene	142		0.000				ND	
198 n-Nonane	1		0.000				ND	
199 Decamethylcyclopentasiloxane TIC	1		0.000				ND	
$ 200 trans-1,2,3-Trichlorobutene-2 TI	1		0.000				ND	
201 2,3-Dimethylbutane TIC	1		0.000				ND	
202 2,2-Dimethylbutane TIC	1		0.000				ND	
203 Methylcyclopentane TIC	1		0.000				ND	
204 2-Butoxyethyl acetate	1		0.000				ND	
205 C6-C10	1		0.000				ND	
S 206 divinyl benzene	1		0.000				ND	7
195 1-Methylnaphthalene (TIC)	1		0.000				ND	
196 3-Methylpentane TIC	1		0.000				ND	
233 sec-Butyl Alcohol TIC	1		0.000				ND	
234 cis-1,2,3-Trichlorobutene-2	1		0.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

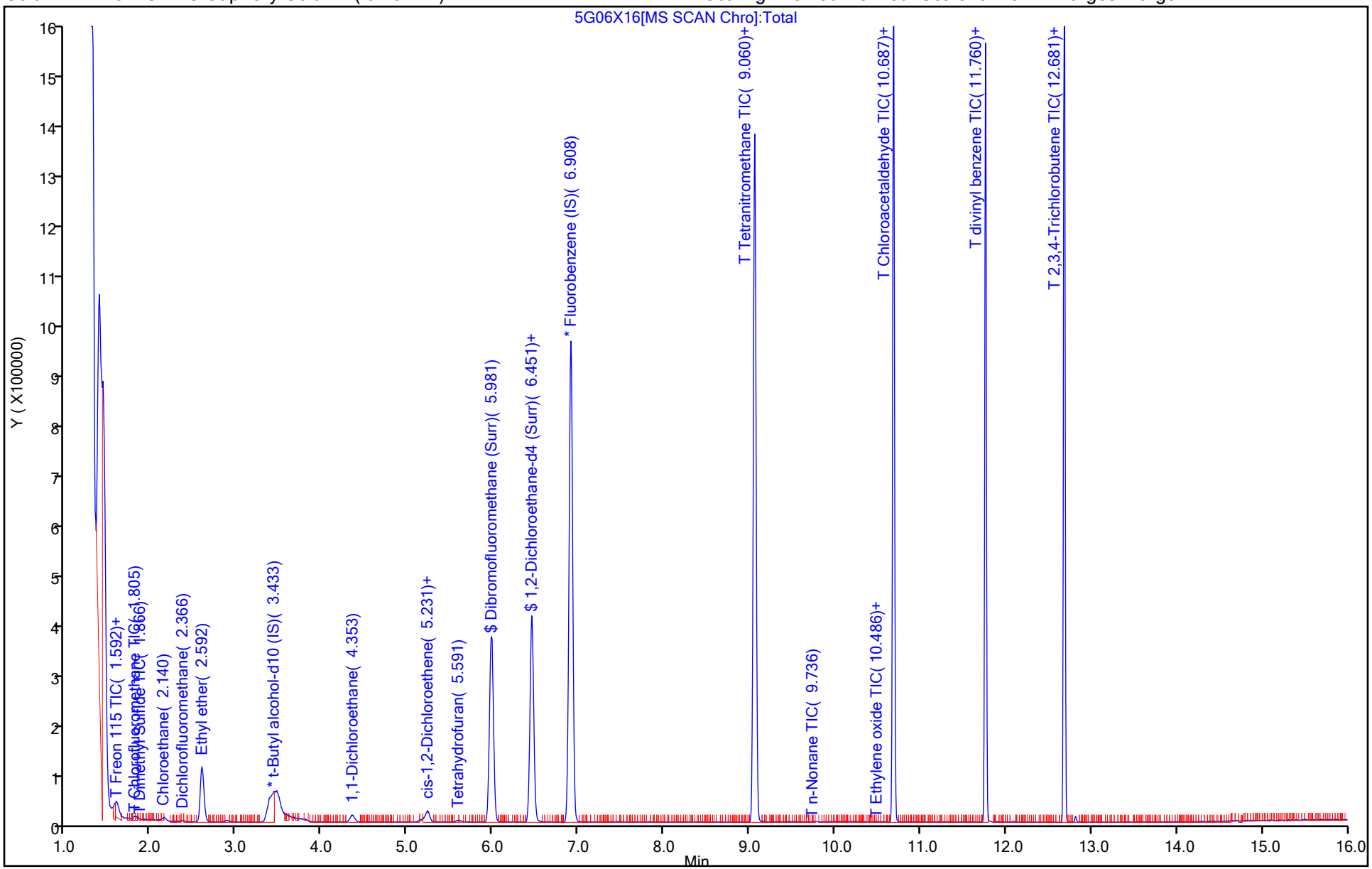
MSV_Cent_ISSS_00043 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 07-Aug-2025 08:54:25 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X16.D				
Injection Date:	06-Aug-2025 13:56:30	Instrument ID:	26285	Operator ID:	clm27445
Lims ID:	410-234898-A-4	Lab Sample ID:	410-234898-4	Worklist Smp#:	17
Client ID:	16WC1A				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X16.D
Lims ID: 410-234898-A-4
Client ID: 16WC1A
Sample Type: Client
Inject. Date: 06-Aug-2025 13:56:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155647-017
Operator ID: clm27445 Instrument ID: 26285

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 08:54:24 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:54:24

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	57.9	115.74
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	57.3	114.60
$ 84 Toluene-d8 (Surr)	50.0	51.9	103.89
$ 143 4-Bromofluorobenzene (Surr)	50.0	46.7	93.33

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WDUP Lab Sample ID: 410-234898-5

Matrix: Water Lab File ID: 5G06X19.D

Analysis Method: 8260D Date Collected: 07/30/2025 09:25

Sample wt/vol: 5(mL) Date Analyzed: 08/06/2025 14:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 681349 Units: ug/L

Preparation Batch No.: Instrument ID: 26285

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-63-0	2-Propanol	ND		100	50.0
67-64-1	Acetone	ND		20.0	2.00

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		80-120
1868-53-7	Dibromofluoromethane (Surr)	112		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X19.D
Lims ID: 410-234898-A-5
Client ID: 16WDUP
Sample Type: Client
Inject. Date: 06-Aug-2025 14:57:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155647-020
Operator ID: clm27445 Instrument ID: 26285

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 12-Sep-2025 14:52:57 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1620

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:57:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
19 Acetone	58		2.884				ND	
22 Isopropyl alcohol	45		3.055				ND	7
* 29 t-Butyl alcohol-d10 (IS)	65	3.457	3.463	-0.006	32	446551	250.0	
$ 51 Dibromofluoromethane (Surr)	113	5.987	5.975	0.012	93	379934	55.9	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.457	6.456	0.001	67	85882	56.8	
* 63 Fluorobenzene (IS)	96	6.914	6.908	0.006	98	1378973	50.0	
$ 84 Toluene-d8 (Surr)	98	9.060	9.060	0.000	94	1214675	52.2	
* 128 Chlorobenzene-d5 (IS)	117	10.687	10.687	0.000	87	848344	50.0	
$ 143 4-Bromofluorobenzene (Surr)	95	11.760	11.760	0.000	91	427641	47.1	
* 163 1,4-Dichlorobenzene-d4	152	12.681	12.681	0.000	96	507855	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

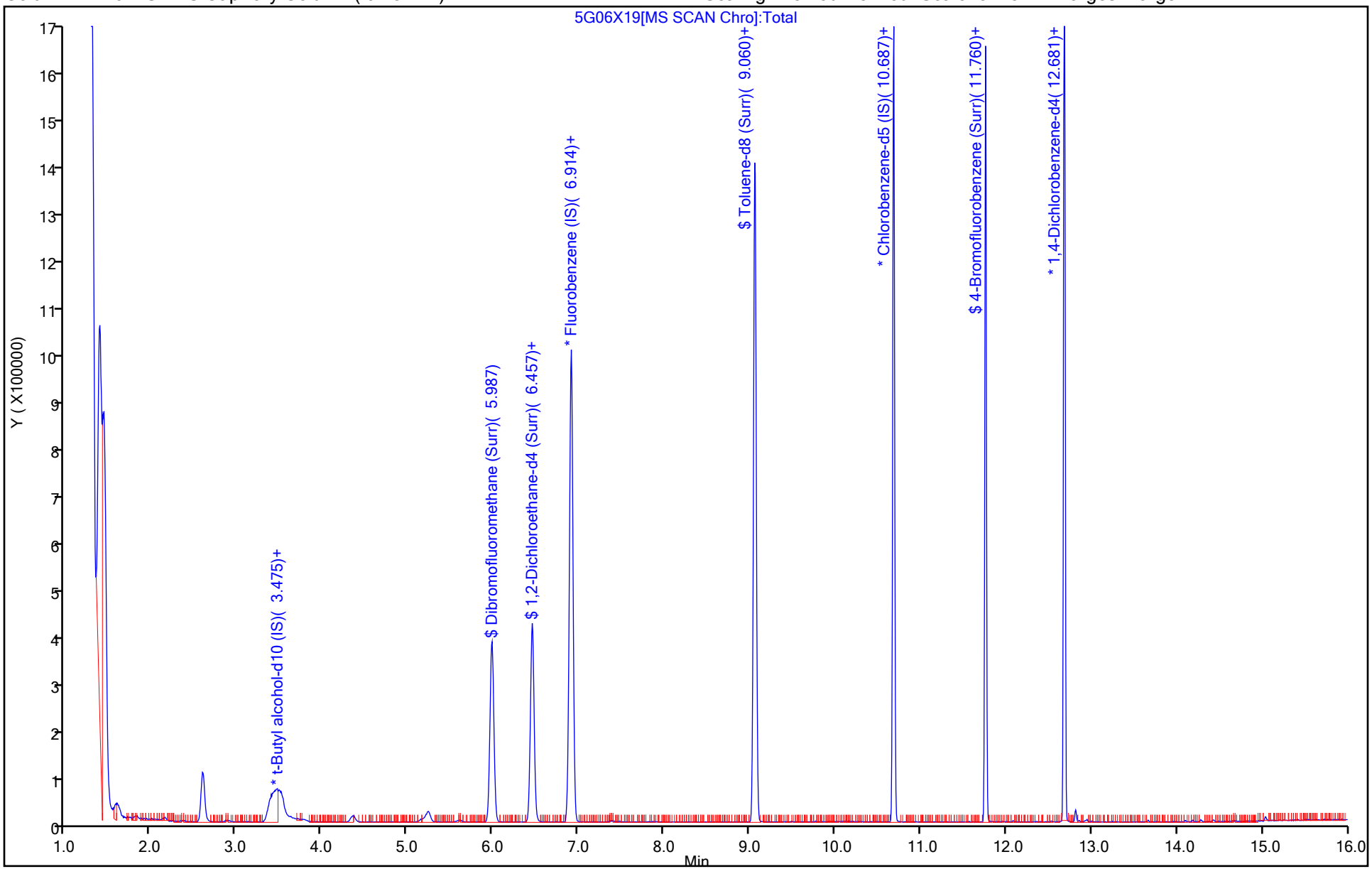
MSV_Cent_ISSS_00043 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 12-Sep-2025 14:53:17 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X19.D				
Injection Date:	06-Aug-2025 14:57:30	Instrument ID:	26285	Operator ID:	clm27445
Lims ID:	410-234898-A-5	Lab Sample ID:	410-234898-5	Worklist Smp#:	20
Client ID:	16WDUP				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X19.D				
Lims ID:	410-234898-A-5				
Client ID:	16WDUP				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 14:57:30	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155647-020				
Operator ID:	clm27445	Instrument ID:	26285		
Method:	\\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m				
Limit Group:	MSV - 8260C_D				
Last Update:	12-Sep-2025 14:52:57	Calib Date:	21-May-2025 21:16:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1620				

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:57:18

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	55.9	111.86
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	56.8	113.60
$ 84 Toluene-d8 (Surr)	50.0	52.2	104.32
$ 143 4-Bromofluorobenzene (Surr)	50.0	47.1	94.21

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1B
Lab Sample ID: 410-234898-6

Matrix: Water
Lab File ID: 5G06X20.D

Analysis Method: 8260D
Date Collected: 07/30/2025 09:45

Sample wt/vol: 5(mL)
Date Analyzed: 08/06/2025 15:18

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681349
Units: ug/L

Preparation Batch No.:
Instrument ID: 26285

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-63-0	2-Propanol	ND		100	50.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		80-120
1868-53-7	Dibromofluoromethane (Surr)	117		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X20.D
Lims ID: 410-234898-A-6
Client ID: 16WC1B
Sample Type: Client
Inject. Date: 06-Aug-2025 15:18:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155647-021
Operator ID: clm27445 Instrument ID: 26285

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 08:56:19 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:57:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
22 Isopropyl alcohol	45		3.055				ND	7
* 29 t-Butyl alcohol-d10 (IS)	65	3.481	3.463	0.018	29	449457	250.0	
$ 51 Dibromofluoromethane (Surr)	113	5.981	5.975	0.006	93	374890	58.3	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.450	6.456	-0.006	48	81320	56.8	
* 63 Fluorobenzene (IS)	96	6.908	6.908	0.000	98	1304952	50.0	
$ 84 Toluene-d8 (Surr)	98	9.060	9.060	0.000	94	1155173	51.4	
* 128 Chlorobenzene-d5 (IS)	117	10.687	10.687	0.000	87	819249	50.0	
$ 143 4-Bromofluorobenzene (Surr)	95	11.760	11.760	0.000	91	417014	47.6	
* 163 1,4-Dichlorobenzene-d4	152	12.687	12.681	0.006	95	502942	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

MSV_Cent_ISSS_00043 Amount Added: 5.00 Units: uL Run Reagent

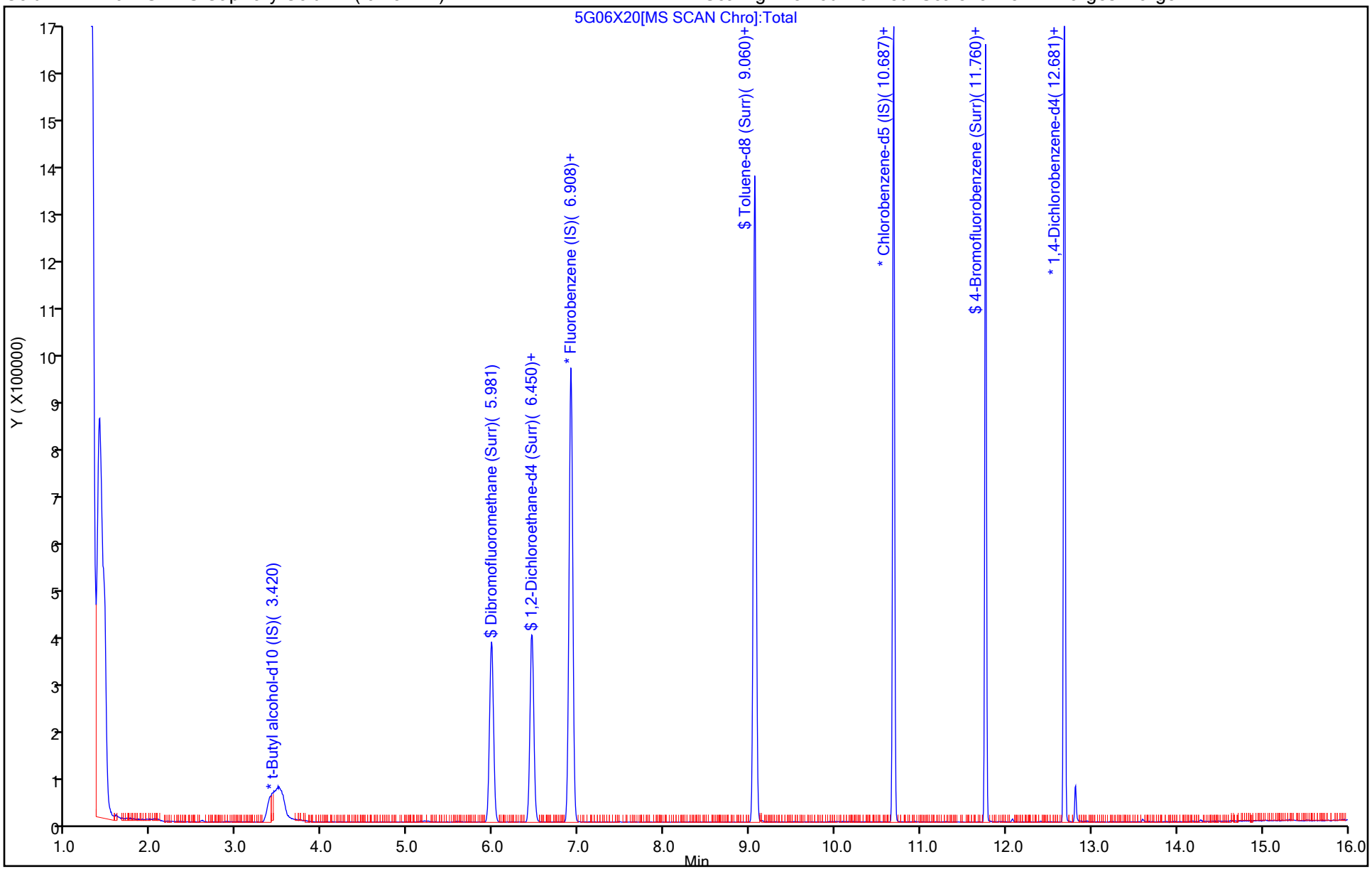
Report Date: 07-Aug-2025 08:57:32 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X20.D

Injection Date:	06-Aug-2025 15:18:30	Instrument ID:	26285	Operator ID:	clm27445
Lims ID:	410-234898-A-6	Lab Sample ID:	410-234898-6	Worklist Smp#:	21
Client ID:	16WC1B				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X20.D				
Lims ID:	410-234898-A-6				
Client ID:	16WC1B				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 15:18:30	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155647-021				
Operator ID:	clm27445	Instrument ID:	26285		
Method:	\\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Aug-2025 08:56:19	Calib Date:	21-May-2025 21:16:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:57:32

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	58.3	116.64
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	56.8	113.66
$ 84 Toluene-d8 (Surr)	50.0	51.4	102.74
$ 143 4-Bromofluorobenzene (Surr)	50.0	47.6	95.13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: Trip Blank 1
Lab Sample ID: 410-234898-12

Matrix: Water
Lab File ID: 5G06X07.D

Analysis Method: 8260D
Date Collected: 07/29/2025 00:00

Sample wt/vol: 5(mL)
Date Analyzed: 08/06/2025 10:52

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681349
Units: ug/L

Preparation Batch No.:
Instrument ID: 26285

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-63-0	2-Propanol	ND		100	50.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		80-120
1868-53-7	Dibromofluoromethane (Surr)	115		80-120
460-00-4	4-Bromofluorobenzene (Surr)	89		80-120
2037-26-5	Toluene-d8 (Surr)	105		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X07.D
Lims ID: 410-234898-A-12
Client ID: Trip Blank 1
Sample Type: Client
Inject. Date: 06-Aug-2025 10:52:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155647-008
Operator ID: clm27445 Instrument ID: 26285

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 13:39:14 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:49:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
22 Isopropyl alcohol	45		3.055				ND	
* 29 t-Butyl alcohol-d10 (IS)	65	3.439	3.463	-0.024	29	447736	250.0	
$ 51 Dibromofluoromethane (Surr)	113	5.963	5.975	-0.012	93	378764	57.3	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.438	6.456	-0.018	48	80451	54.7	
* 63 Fluorobenzene (IS)	96	6.895	6.908	-0.013	98	1340849	50.0	
$ 84 Toluene-d8 (Surr)	98	9.047	9.060	-0.013	94	1154157	52.4	
* 128 Chlorobenzene-d5 (IS)	117	10.681	10.687	-0.006	87	802266	50.0	
$ 143 4-Bromofluorobenzene (Surr)	95	11.760	11.760	0.000	92	384131	44.7	
* 163 1,4-Dichlorobenzene-d4	152	12.681	12.681	0.000	95	426447	50.0	

QC Flag Legend
Processing Flags

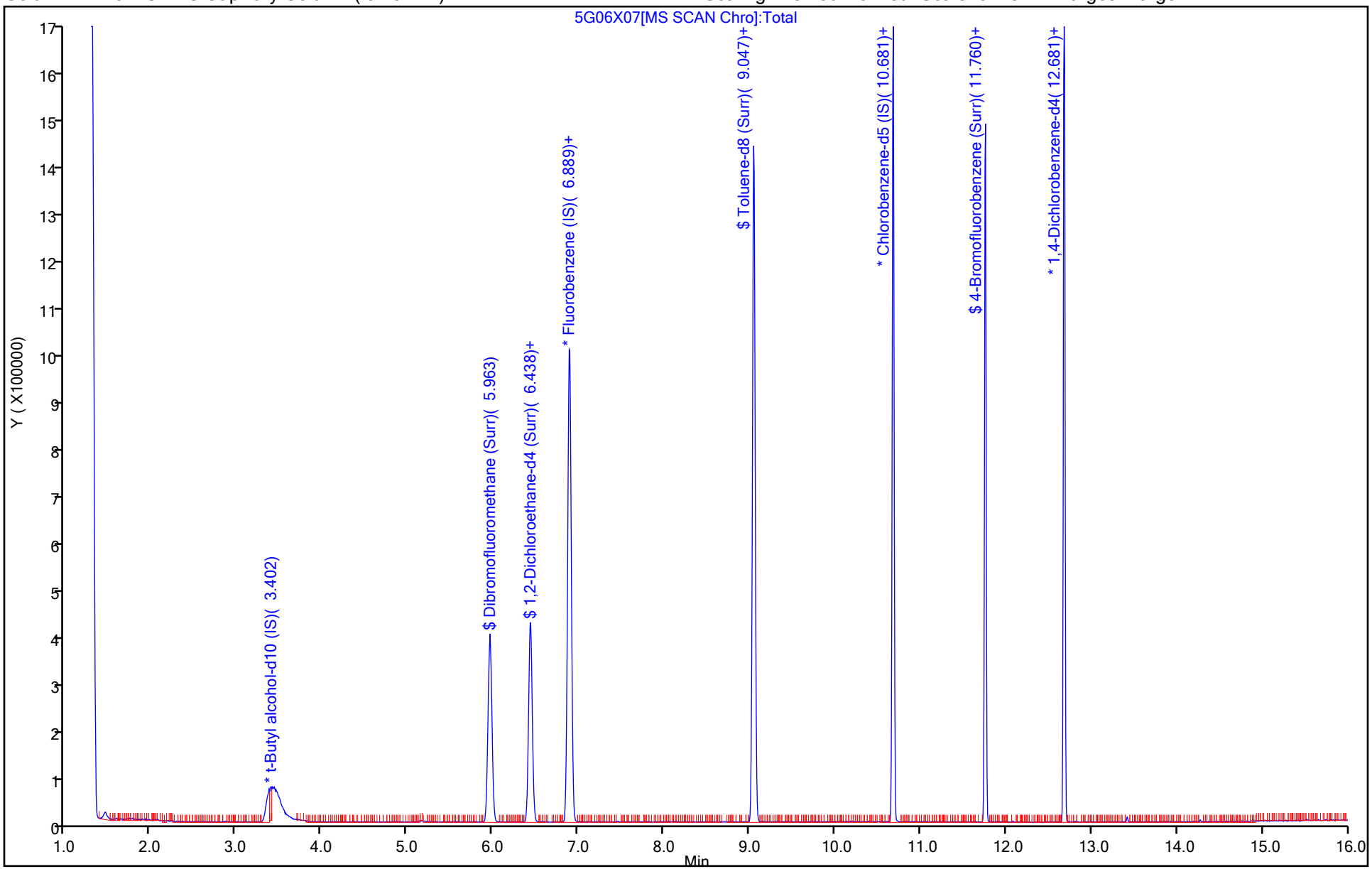
Reagents:
MSV_Cent_ISSS_00043 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 07-Aug-2025 08:49:56 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X07.D				
Injection Date:	06-Aug-2025 10:52:30	Instrument ID:	26285	Operator ID:	clm27445
Lims ID:	410-234898-A-12	Lab Sample ID:	410-234898-12	Worklist Smp#:	8
Client ID:	Trip Blank 1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X07.D
Lims ID: 410-234898-A-12
Client ID: Trip Blank 1
Sample Type: Client
Inject. Date: 06-Aug-2025 10:52:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155647-008
Operator ID: clm27445 Instrument ID: 26285

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 13:39:14 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:49:55

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	57.3	114.69
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	54.7	109.44
$ 84 Toluene-d8 (Surr)	50.0	52.4	104.82
$ 143 4-Bromofluorobenzene (Surr)	50.0	44.7	89.49

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Client Sample ID: Trip Blank 2 Lab Sample ID: 410-234898-13

Matrix: Water Lab File ID: 5G06X08.D

Analysis Method: 8260D Date Collected: 07/29/2025 00:00

Sample wt/vol: 5(mL) Date Analyzed: 08/06/2025 11:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 681349 Units: ug/L

Preparation Batch No.: Instrument ID: 26285

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-63-0	2-Propanol	ND		100	50.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		80-120
1868-53-7	Dibromofluoromethane (Surr)	114		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X08.D
Lims ID: 410-234898-A-13
Client ID: Trip Blank 2
Sample Type: Client
Inject. Date: 06-Aug-2025 11:12:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155647-009
Operator ID: clm27445 Instrument ID: 26285

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 13:39:14 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:51:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
22 Isopropyl alcohol	45		3.055				ND	7
* 29 t-Butyl alcohol-d10 (IS)	65	3.427	3.463	-0.036	29	426644	250.0	
$ 51 Dibromofluoromethane (Surr)	113	5.975	5.975	0.000	93	376266	56.9	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.450	6.456	-0.006	48	82298	55.9	
* 63 Fluorobenzene (IS)	96	6.908	6.908	0.000	98	1342318	50.0	
$ 84 Toluene-d8 (Surr)	98	9.060	9.060	0.000	94	1182333	51.4	
* 128 Chlorobenzene-d5 (IS)	117	10.681	10.687	-0.006	87	837569	50.0	
$ 143 4-Bromofluorobenzene (Surr)	95	11.760	11.760	0.000	91	417131	46.5	
* 163 1,4-Dichlorobenzene-d4	152	12.681	12.681	0.000	96	497382	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

MSV_Cent_ISSS_00043 Amount Added: 5.00 Units: uL Run Reagent

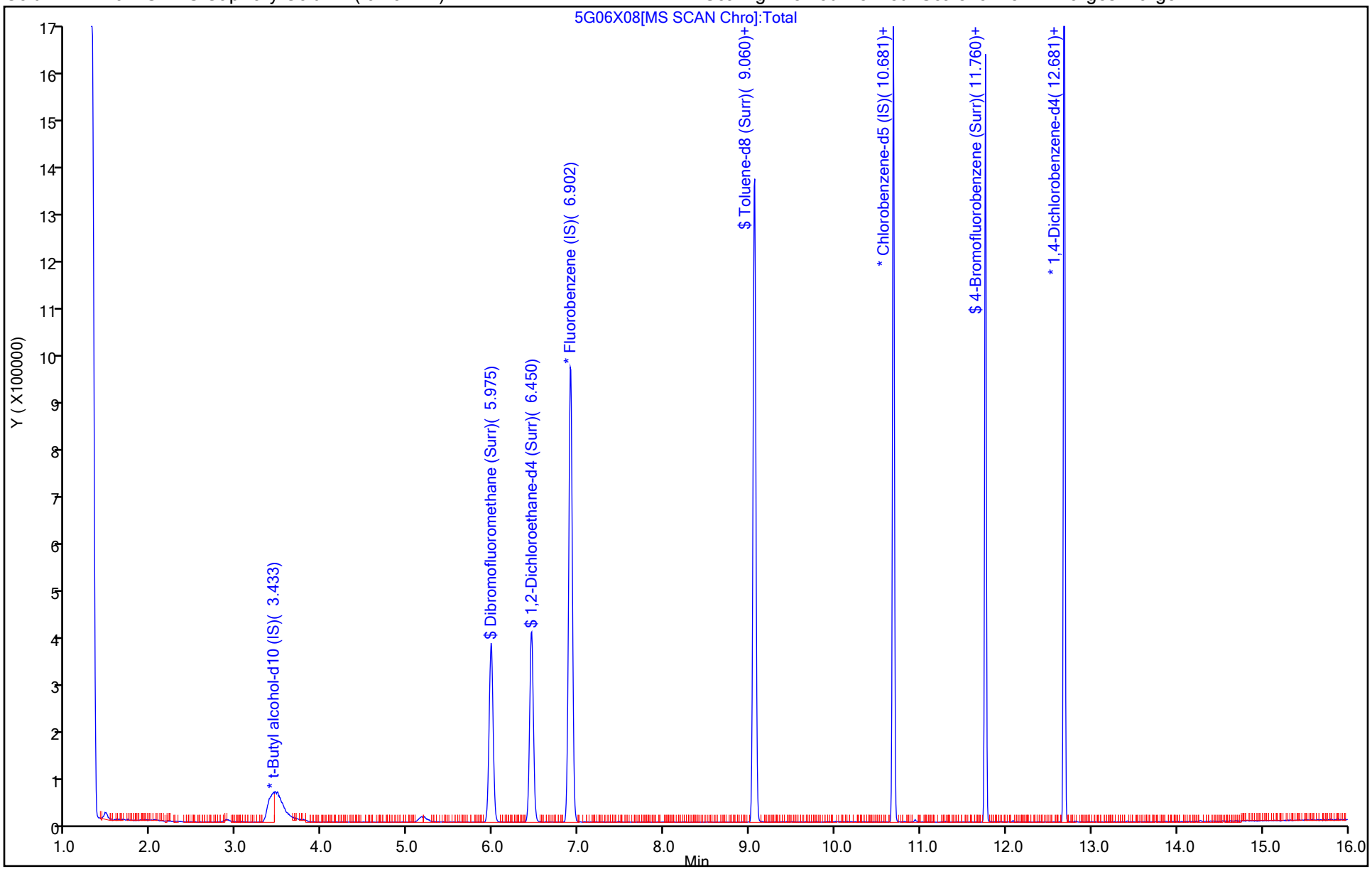
Report Date: 07-Aug-2025 08:51:48 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X08.D

Injection Date:	06-Aug-2025 11:12:30	Instrument ID:	26285	Operator ID:	clm27445
Lims ID:	410-234898-A-13	Lab Sample ID:	410-234898-13	Worklist Smp#:	9
Client ID:	Trip Blank 2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X08.D				
Lims ID:	410-234898-A-13				
Client ID:	Trip Blank 2				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 11:12:30	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155647-009				
Operator ID:	clm27445	Instrument ID:	26285		
Method:	\\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m				
Limit Group:	MSV - 8260C_D				
Last Update:	06-Aug-2025 13:39:14	Calib Date:	21-May-2025 21:16:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:51:47

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	56.9	113.81
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	55.9	111.83
$ 84 Toluene-d8 (Surr)	50.0	51.4	102.85
$ 143 4-Bromofluorobenzene (Surr)	50.0	46.5	93.08

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: Trip Blank 3
Lab Sample ID: 410-234898-14

Matrix: Water
Lab File ID: 5G06X09.D

Analysis Method: 8260D
Date Collected: 07/29/2025 00:00

Sample wt/vol: 5(mL)
Date Analyzed: 08/06/2025 11:33

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681349
Units: ug/L

Preparation Batch No.:
Instrument ID: 26285

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-63-0	2-Propanol	ND		100	50.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		80-120
1868-53-7	Dibromofluoromethane (Surr)	114		80-120
460-00-4	4-Bromofluorobenzene (Surr)	92		80-120
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X09.D
Lims ID: 410-234898-A-14
Client ID: Trip Blank 3
Sample Type: Client
Inject. Date: 06-Aug-2025 11:33:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155647-010
Operator ID: clm27445 Instrument ID: 26285

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 13:39:14 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:52:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
22 Isopropyl alcohol	45		3.055				ND	7
* 29 t-Butyl alcohol-d10 (IS)	65	3.463	3.463	0.000	29	402131	250.0	
$ 51 Dibromofluoromethane (Surr)	113	5.975	5.975	0.000	93	373069	57.0	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.450	6.456	-0.006	48	82859	56.9	
* 63 Fluorobenzene (IS)	96	6.902	6.908	-0.006	99	1329144	50.0	
$ 84 Toluene-d8 (Surr)	98	9.060	9.060	0.000	94	1178994	51.7	
* 128 Chlorobenzene-d5 (IS)	117	10.681	10.687	-0.006	87	830180	50.0	
$ 143 4-Bromofluorobenzene (Surr)	95	11.760	11.760	0.000	92	409107	46.0	
* 163 1,4-Dichlorobenzene-d4	152	12.681	12.681	0.000	96	502890	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

MSV_Cent_ISSS_00043 Amount Added: 5.00 Units: uL Run Reagent

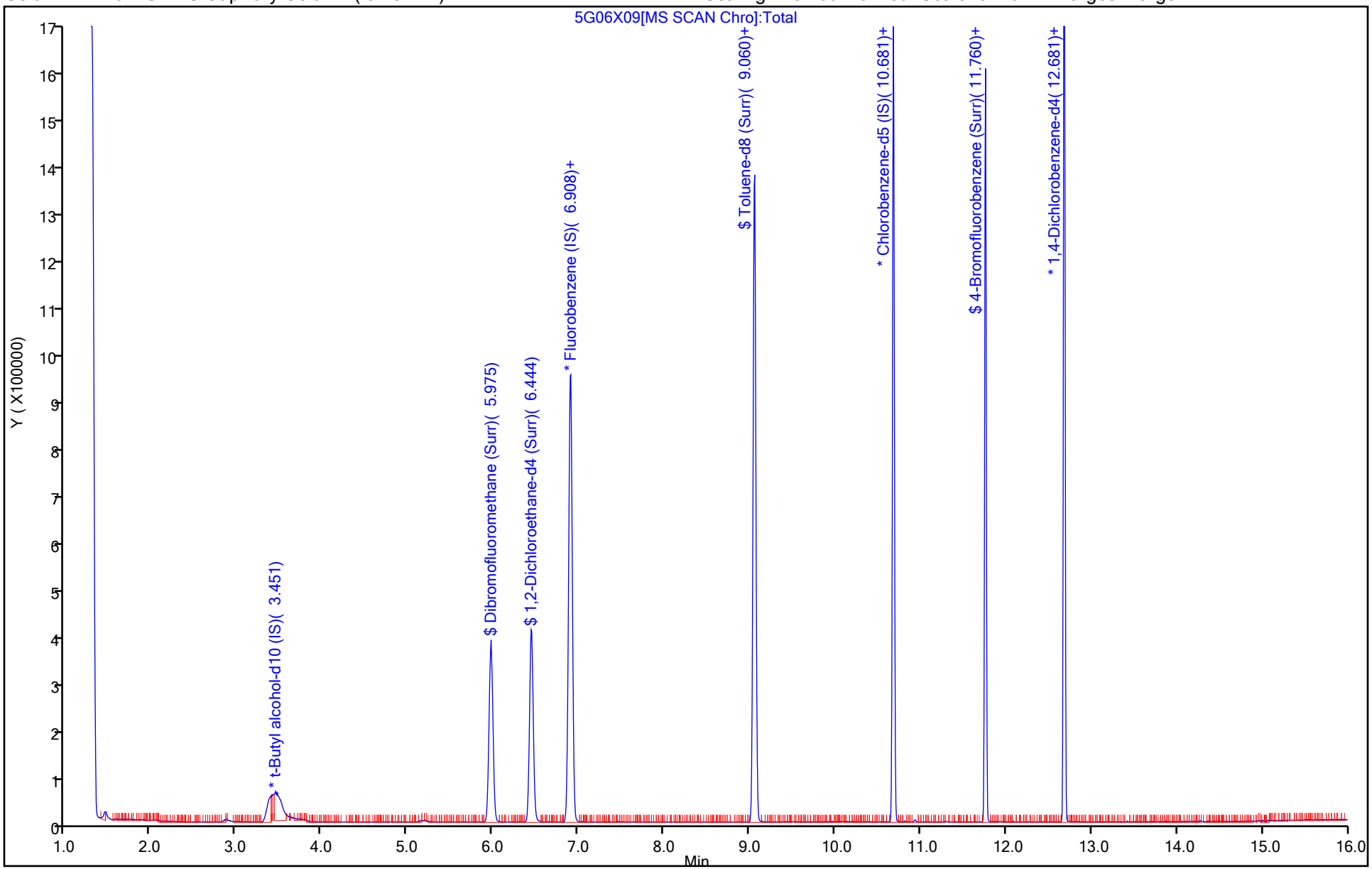
Report Date: 07-Aug-2025 08:52:01 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X09.D

Injection Date:	06-Aug-2025 11:33:30	Instrument ID:	26285	Operator ID:	clm27445
Lims ID:	410-234898-A-14	Lab Sample ID:	410-234898-14	Worklist Smp#:	10
Client ID:	Trip Blank 3				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X09.D				
Lims ID:	410-234898-A-14				
Client ID:	Trip Blank 3				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 11:33:30	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155647-010				
Operator ID:	clm27445	Instrument ID:	26285		
Method:	\\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m				
Limit Group:	MSV - 8260C_D				
Last Update:	06-Aug-2025 13:39:14	Calib Date:	21-May-2025 21:16:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:52:00

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	57.0	113.96
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	56.9	113.71
$ 84 Toluene-d8 (Surr)	50.0	51.7	103.47
$ 143 4-Bromofluorobenzene (Surr)	50.0	46.0	92.10

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 609313

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2025 19:07 Calibration End Date: 02/24/2025 21:09 Calibration ID: 70020

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-609313/12	5F24X11.D
Level 2	IC 410-609313/13	5F24X12.D
Level 3	IC 410-609313/14	5F24X13.D
Level 4	IC 410-609313/15	5F24X14.D
Level 5	ICIS 410-609313/16	5F24X15.D
Level 6	IC 410-609313/17	5F24X16.D
Level 7	IC 410-609313/18	5F24X17.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.4821 0.4496	0.5798 0.4910	0.5360	0.5273	0.4974	Ave		0.5090			0.1000	8.3		20.0			
Chloromethane	0.5965 0.5006	0.6350 0.4844	0.5489	0.5548	0.5216	Ave		0.5488			0.1000	9.7		20.0			
1,3-Butadiene	0.6477 0.5055	0.7611 0.5142	0.6176	0.6181	0.5505	Ave		0.6021				14.8		20.0			
Vinyl chloride	0.4664 0.4346	0.5552 0.4362	0.4822	0.4951	0.4625	Ave		0.4760			0.1000	8.7		20.0			
Bromomethane	0.2974 0.3228	0.3748 0.3142	0.3411	0.3521	0.3307	Ave		0.3333			0.1000	7.7		20.0			
Chloroethane	0.2742 0.2511	0.3128 0.2408	0.2836	0.2857	0.2618	Ave		0.2729			0.1000	8.9		20.0			
Dichlorofluoromethane	0.8726 0.7793	0.9371 0.7632	0.8544	0.8648	0.8063	Ave		0.8397			0.1000	7.2		20.0			
n-Pentane	0.5586 0.5170	0.5829 0.5150	0.6022	0.5305	0.5210	Ave		0.5467				6.4		20.0			
Trichlorofluoromethane	0.4972 0.4959	0.6053 0.5188	0.5549	0.5562	0.5300	Ave		0.5369			0.1000	7.2		20.0			
Ethyl ether	0.2342 0.2212	0.2277 0.2060	0.2377	0.2273	0.2243	Ave		0.2255				4.6		20.0			
Freon 123a	0.4108 0.3924	0.4806 0.3880	0.4385	0.4425	0.4085	Ave		0.4230				7.8		20.0			
Acrolein	1.6774 1.4930	1.5676 1.5518	1.5071	1.6442	1.4011	Ave		1.5489				6.0		20.0			
1,1-Dichloroethene	0.2599 0.2478	0.2853 0.2473	0.2803	0.2501	0.2473	Ave		0.2597			0.1000	6.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 609313

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2025 19:07 Calibration End Date: 02/24/2025 21:09 Calibration ID: 70020

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetone	0.7139 0.7085	0.7834 0.7543	0.7072	0.7808	0.7007	Ave		0.7355			0.1000	4.9		20.0			
Freon 113	0.2659 0.3038	0.3294 0.3015	0.3465	0.3096	0.3069	Ave		0.3091			0.1000	8.1		20.0			
Methyl iodide	0.5161 0.5172	0.5754 0.5116	0.5761	0.5189	0.5173	Ave		0.5332				5.5		20.0			
2-Propanol	0.5449 0.6343	0.5733 0.5793	0.6130	0.7368	0.6668	Ave		0.6212				10.5		20.0			
Carbon disulfide	0.9855 0.9973	1.1225 1.0308	1.1398	1.0086	1.0034	Ave		1.0411			0.1000	6.1		20.0			
Methyl acetate	0.5981 0.3807	0.4138 0.3676	0.4049	0.3910	0.3774	Ave		0.4191			0.1000	19.2		20.0			
Allyl chloride	0.6009 0.4940	0.6083 0.4782	0.5870	0.5032	0.4865	Ave		0.5369				10.9		20.0			
Methylene Chloride	0.3379 0.2977	0.3350 0.2934	0.3341	0.2951	0.2922	Ave		0.3122			0.1000	7.1		20.0			
t-Butyl alcohol	1.1635 1.0166	0.9760 0.9007	0.9835	1.1698	1.0789	Ave		1.0413				9.7		20.0			
Acrylonitrile	0.2301 0.1917	0.2156 0.1875	0.2191	0.2057	0.1920	Ave		0.2060				7.9		20.0			
trans-1,2-Dichloroethene	0.2743 0.2632	0.3076 0.2508	0.3043	0.2691	0.2608	Ave		0.2757			0.1000	7.9		20.0			
Methyl tertiary butyl ether	0.9774 0.8563	0.9909 0.8363	0.9678	0.8748	0.8636	Ave		0.9096			0.1000	7.3		20.0			
n-Hexane	0.3935 0.3769	0.4238 0.3634	0.4331	0.3979	0.3855	Ave		0.3963				6.3		20.0			
1,1-Dichloroethane	0.5334 0.5118	0.5881 0.4865	0.5908	0.5221	0.5082	Ave		0.5344			0.2000	7.5		20.0			
Isopropyl ether	1.1038 0.9815	1.0920 0.9595	1.0924	1.0113	0.9710	Ave		1.0302				6.2		20.0			
2-Chloro-1,3-butadiene	0.4772 0.4520	0.5219 0.4301	0.5175	0.4601	0.4501	Ave		0.4727				7.4		20.0			
Ethyl t-butyl ether	0.9731 0.9065	0.9699 0.8910	0.9801	0.9269	0.8986	Ave		0.9352				4.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 609313

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2025 19:07 Calibration End Date: 02/24/2025 21:09 Calibration ID: 70020

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Butanone	0.3685 0.3095	0.3214 0.2870	0.2902	0.3078	0.2829	Ave		0.3096			0.1000	9.5		20.0			
cis-1,2-Dichloroethene	0.3348 0.3077	0.3563 0.2938	0.3489	0.3127	0.3052	Ave		0.3228			0.1000	7.4		20.0			
2,2-Dichloropropane	0.4788 0.4268	0.5021 0.4183	0.4817	0.4354	0.4282	Ave		0.4530				7.4		20.0			
Propionitrile	1.2423 1.1468	1.2841 1.2988	1.2912	1.2778	1.1248	Ave		1.2380				5.8		20.0			
Methyl acrylate	0.5393 0.4540	0.4834 0.4510	0.4174	0.4551	0.4411	Ave		0.4630				8.4		20.0			
Methacrylonitrile	0.1995 0.1760	0.1897 0.1770	0.1871	0.1889	0.1749	Ave		0.1847				4.9		20.0			
Bromochloromethane	0.1558 0.1431	0.1562 0.1381	0.1590	0.1457	0.1401	Ave		0.1483				5.8		20.0			
Tetrahydrofuran	1.0543 1.0036	1.0560 1.1021	1.0816	1.0399	0.9416	Ave		1.0399				5.1		20.0			
Chloroform	0.5244 0.4912	0.5564 0.4725	0.5446	0.5070	0.4836	Ave		0.5114			0.2000	6.2		20.0			
1,1,1-Trichloroethane	0.4252 0.4307	0.4833 0.4287	0.4811	0.4382	0.4316	Ave		0.4456			0.1000	5.7		20.0			
Cyclohexane	0.5751 0.5608	0.6059 0.5573	0.6320	0.5649	0.5626	Ave		0.5798			0.1000	4.9		20.0			
Carbon tetrachloride	0.3305 0.3630	0.3970 0.3661	0.4009	0.3555	0.3592	Ave		0.3674			0.1000	6.7		20.0			
1,1-Dichloropropene	0.4087 0.4017	0.4430 0.3928	0.4475	0.4053	0.3966	Ave		0.4137				5.4		20.0			
Isobutyl alcohol	0.4586 0.3962	0.4023 0.3845	0.3938	0.4490	0.3915	Ave		0.4108				7.3		20.0			
Benzene	1.2402 1.1794	1.3249 1.1687	1.3153	1.1852	1.1697	Ave		1.2262			0.5000	5.6		20.0			
1,2-Dichloroethane	0.4165 0.3695	0.4167 0.3613	0.4054	0.3809	0.3636	Ave		0.3877			0.1000	6.4		20.0			
t-Amyl methyl ether	0.8874 0.8363	0.8917 0.8274	0.8842	0.8646	0.8156	Ave		0.8582				3.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 609313

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2025 19:07 Calibration End Date: 02/24/2025 21:09 Calibration ID: 70020

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Heptane	0.4014 0.3610	0.4106 0.3595	0.4290	0.3834	0.3692	Ave		0.3877				6.9		20.0			
n-Butanol	0.2509 0.2832	0.2478 0.2602	0.2510	0.3053	0.2818	Ave		0.2686				8.1		20.0			
Trichloroethene	0.2890 0.2961	0.3203 0.2939	0.3201	0.2953	0.2911	Ave		0.3009			0.2000	4.5		20.0			
Ethyl acrylate	0.4750 0.4892	0.4744 0.4997	0.4361	0.4604	0.4664	Ave		0.4716				4.4		20.0			
Methylcyclohexane	0.4306 0.4879	0.5128 0.4945	0.5440	0.4881	0.4865	Ave		0.4921			0.1000	6.9		20.0			
1,2-Dichloropropane	0.3198 0.3110	0.3398 0.3076	0.3294	0.3155	0.3058	Ave		0.3184			0.1000	3.9		20.0			
t-Amyl ethyl ether	0.3636 0.3834	0.4021 0.3832	0.4043	0.3932	0.3769	Ave		0.3867				3.7		20.0			
1,4-Dioxane	+++++ 0.0586	0.0623 0.0568	0.0620	0.0673	0.0602	Ave		0.0612			0.0050	5.9		20.0			
Dibromomethane	0.1875 0.1846	0.1951 0.1847	0.1939	0.1930	0.1820	Ave		0.1887				2.8		20.0			
Methyl methacrylate	0.2763 0.2546	0.2551 0.2588	0.2565	0.2680	0.2513	Ave		0.2601				3.4		20.0			
Bromodichloromethane	0.3505 0.3643	0.3647 0.3675	0.3700	0.3701	0.3536	Ave		0.3629			0.2000	2.2		20.0			
2-Nitropropane	1.8807 1.8553	1.8259 2.0720	1.8689	2.0260	1.7677	Ave		1.8995				5.8		20.0			
2-Chloroethyl vinyl ether	0.1720 0.2173	0.1923 0.2351	0.1978	0.2191	0.2241	Ave		0.2082				10.5		20.0			
cis-1,3-Dichloropropene	0.4571 0.4695	0.4417 0.4810	0.4646	0.4640	0.4495	Ave		0.4611			0.2000	2.8		20.0			
4-Methyl-2-pentanone	0.5956 0.6855	0.6010 0.5752	0.5891	0.6650	0.5881	Ave		0.6142			0.1000	7.0		20.0			
Toluene	1.0284 0.9831	1.0671 0.9462	1.0828	1.0174	0.9767	Ave		1.0145			0.4000	4.9		20.0			
trans-1,3-Dichloropropene	0.5563 0.5717	0.5621 0.5717	0.5671	0.5873	0.5538	Ave		0.5671			0.1000	2.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 609313

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2025 19:07 Calibration End Date: 02/24/2025 21:09 Calibration ID: 70020

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl methacrylate	0.6868 0.6279	0.6606 0.5917	0.6657	0.7072	0.6398	Ave		0.6543				5.9		20.0			
1,1,2-Trichloroethane	0.3718 0.3442	0.3498 0.3328	0.3598	0.3776	0.3411	Ave		0.3539			0.1000	4.7		20.0			
Tetrachloroethene	0.4344 0.4100	0.4446 0.3979	0.4597	0.4257	0.4077	Ave		0.4257			0.2000	5.2		20.0			
1,3-Dichloropropane	0.5686 0.5667	0.5837 0.5537	0.5902	0.6094	0.5589	Ave		0.5759				3.4		20.0			
2-Hexanone	0.6472 0.6644	0.6102 0.5351	0.5980	0.6881	0.5806	Ave		0.6177			0.1000	8.5		20.0			
Dibromochloromethane	0.3471 0.3887	0.3525 0.3859	0.3711	0.3969	0.3791	Ave		0.3745				5.0		20.0			
1,2-Dibromoethane	0.3767 0.3662	0.3633 0.3587	0.3828	0.3848	0.3556	Ave		0.3697			0.1000	3.2		20.0			
1-Chlorohexane	0.6117 0.4869	0.5689 0.4751	0.5514	0.5271	0.4997	Ave		0.5315				9.2		20.0			
Chlorobenzene	1.0553 1.0431	1.0976 1.0277	1.1210	1.1036	1.0341	Ave		1.0689			0.5000	3.5		20.0			
1,1,1,2-Tetrachloroethane	0.4158 0.4015	0.3980 0.3853	0.4117	0.4256	0.3998	Ave		0.4054				3.3		20.0			
Ethylbenzene	2.0517 1.9762	2.1028 1.9132	2.1789	2.1102	1.9949	Ave		2.0468			0.1000	4.5		20.0			
m&p-Xylene	0.7573 0.7373	0.7922 0.7128	0.8139	0.7953	0.7445	Ave		0.7648			0.1000	4.8		20.0			
n-Butyl acrylate	1.0458 0.9467	1.0273 0.8853	0.9714	0.9988	0.9674	Ave		0.9775				5.5		20.0			
o-Xylene	0.7875 0.7618	0.8201 0.7284	0.8353	0.8184	0.7739	Ave		0.7894			0.3000	4.8		20.0			
Styrene	1.2136 1.1933	1.2604 1.1720	1.2884	1.2860	1.1960	Ave		1.2299			0.3000	3.9		20.0			
Bromoform	0.2684 0.3035	0.2704 0.3029	0.2858	0.3152	0.3035	Ave		0.2928			0.1000	6.2		20.0			
Isopropylbenzene	1.7177 1.7861	1.8710 1.7148	1.9424	1.9177	1.8104	Ave		1.8229			0.1000	5.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 609313

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2025 19:07 Calibration End Date: 02/24/2025 21:09 Calibration ID: 70020

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Cyclohexanone	0.2905 0.2800	0.2769 0.2712	0.2898	0.2815	0.2824	Ave		0.2818				2.4		20.0			
Bromobenzene	0.8316 0.8442	0.8107 0.8473	0.8745	0.8690	0.8230	Ave		0.8429				2.8		20.0			
1,1,2,2-Tetrachloroethane	1.2648 1.3112	1.2725 1.2330	1.2970	1.3849	1.3115	Ave		1.2964			0.3000	3.7		20.0			
trans-1,4-Dichloro-2-butene	0.3167 0.3609	0.3317 0.3480	0.3553	0.3835	0.3662	Ave		0.3517				6.3		20.0			
1,2,3-Trichloropropane	0.3115 0.3388	0.3410 0.3179	0.3514	0.3563	0.3360	Ave		0.3361				4.9		20.0			
N-Propylbenzene	4.1044 4.4368	4.4210 4.2407	4.6507	4.5261	4.3624	Ave		4.3917				4.1		20.0			
2-Chlorotoluene	0.7910 0.8488	0.8528 0.8430	0.8760	0.8681	0.8300	Ave		0.8442				3.3		20.0			
1,3,5-Trimethylbenzene	2.6525 3.1470	2.9075 3.0710	3.1110	3.1022	3.0098	Ave		3.0002				5.8		20.0			
4-Chlorotoluene	0.7510 0.8100	0.7808 0.8091	0.8599	0.8380	0.7925	Ave		0.8059				4.5		20.0			
tert-Butylbenzene	0.4029 0.5353	0.4640 0.5406	0.4992	0.5111	0.5213	Ave		0.4964				9.8		20.0			
1,2,4-Trimethylbenzene	2.8693 3.1657	2.9617 3.1051	3.1986	3.1670	3.0746	Ave		3.0774				3.9		20.0			
sec-Butylbenzene	3.1706 3.7938	3.5249 3.7642	3.7842	3.7466	3.6959	Ave		3.6400				6.2		20.0			
1,3-Dichlorobenzene	1.4700 1.5524	1.5682 1.5354	1.6583	1.6200	1.5302	Ave		1.5621			0.6000	4.0		20.0			
p-Isopropyltoluene	2.6610 3.2179	3.0561 3.2187	3.1716	3.1980	3.1342	Ave		3.0939				6.4		20.0			
1,4-Dichlorobenzene	1.6011 1.5552	1.5684 1.5322	1.6496	1.6333	1.5350	Ave		1.5821			0.5000	3.0		20.0			
1,2,3-Trimethylbenzene	2.9609 3.2440	3.0011 3.1801	3.2630	3.1995	3.1374	Ave		3.1408				3.7		20.0			
Benzyl chloride	2.2163 2.4998	2.2088 2.3594	2.4720	2.5804	2.4904	Ave		2.4039				6.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 609313

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2025 19:07 Calibration End Date: 02/24/2025 21:09 Calibration ID: 70020

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3-Diethylbenzene	1.5754 1.7822	1.7048 1.7738	1.8025	1.8090	1.7589	Ave		1.7438				4.7		20.0			
1,4-Diethylbenzene	1.7278 1.8644	1.8401 1.8766	1.9237	1.9019	1.8569	Ave		1.8559				3.4		20.0			
n-Butylbenzene	1.4017 1.5515	1.5463 1.5531	1.6270	1.6266	1.5616	Ave		1.5525				4.8		20.0			
1,2-Dichlorobenzene	1.6052 1.5947	1.5993 1.5426	1.6433	1.6663	1.5747	Ave		1.6037			0.4000	2.6		20.0			
1,2-Diethylbenzene	1.2969 1.5208	1.3394 1.5311	1.4868	1.4857	1.4735	Ave		1.4477				6.3		20.0			
1,2-Dibromo-3-Chloropropane	0.3282 0.3620	0.3357 0.3278	0.3509	0.3735	0.3671	Ave		0.3493			0.0500	5.4		20.0			
1,3,5-Trichlorobenzene	1.0658 1.1346	1.1106 1.1023	1.1466	1.1676	1.1338	Ave		1.1230				3.0		20.0			
1,2,4-Trichlorobenzene	0.9917 1.0883	1.0262 1.0438	1.0779	1.1293	1.0847	Ave		1.0631			0.2000	4.3		20.0			
2-Ethylhexyl acrylate	1.0051 1.2164	1.0564 1.1927	1.0159	1.1593	1.1889	Ave		1.1192				8.1		20.0			
Hexachlorobutadiene	0.3593 0.4185	0.3806 0.4411	0.4194	0.4242	0.4197	Ave		0.4090				6.9		20.0			
Naphthalene	4.0136 4.3728	4.0781 3.9223	4.2887	4.4988	4.3916	Ave		4.2237				5.2		20.0			
1,2,3-Trichlorobenzene	1.0549 1.0774	1.0065 1.0233	1.0597	1.1056	1.0893	Ave		1.0595				3.3		20.0			
2-Methylnaphthalene	1.7958 2.1788	1.7190 2.0286	1.9631	2.1191	2.1457	Ave		1.9929				8.9		20.0			
Dibromofluoromethane (Surr)	0.2552 0.2505	0.2562 0.2518	0.2521	0.2527	0.2487	Ave		0.2524				1.0		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0581 0.0590	0.0580 0.0582	0.0571	0.0567	0.0580	Ave		0.0579				1.3		20.0			
Toluene-d8 (Surr)	1.3705 1.3519	1.3481 1.3284	1.3395	1.3548	1.3418	Ave		1.3479				1.0		20.0			
4-Bromofluorobenzene (Surr)	0.5132 0.4807	0.5062 0.4891	0.5045	0.5059	0.4913	Ave		0.4987				2.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 609313

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2025 19:07 Calibration End Date: 02/24/2025 21:09 Calibration ID: 70020

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-609313/12	5F24X11.D
Level 2	IC 410-609313/13	5F24X12.D
Level 3	IC 410-609313/14	5F24X13.D
Level 4	IC 410-609313/15	5F24X14.D
Level 5	ICIS 410-609313/16	5F24X15.D
Level 6	IC 410-609313/17	5F24X16.D
Level 7	IC 410-609313/18	5F24X17.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	10087 1014886	47635 3362677	112922	226239	537148	1.00 100	4.00 300	10.0	20.0	50.0
Chloromethane	FB	Ave	12481 1129984	52171 3317398	115658	238058	563222	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Butadiene	FB	Ave	13552 1140997	62537 3521633	130128	265234	594412	1.00 100	4.00 300	10.0	20.0	50.0
Vinyl chloride	FB	Ave	9758 981095	45619 2987693	101587	212435	499439	1.00 100	4.00 300	10.0	20.0	50.0
Bromomethane	FB	Ave	6223 728546	30798 2151989	71857	151094	357091	1.00 100	4.00 300	10.0	20.0	50.0
Chloroethane	FB	Ave	5738 566677	25703 1649239	59758	122592	282713	1.00 100	4.00 300	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	18258 1759149	76994 5227070	180008	371077	870707	1.00 100	4.00 300	10.0	20.0	50.0
n-Pentane	FB	Ave	11689 1167074	47895 3526991	126870	227623	562565	1.00 100	4.00 300	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	10404 1119448	49730 3553539	116907	238681	572297	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl ether	FB	Ave	4901 499295	18707 1410612	50076	97523	242232	1.000 100.0	4.00 300	10.00	20.0	50.0
Freon 123a	FB	Ave	8596 885766	39490 2657573	92378	189871	441074	1.00 100	4.00 300	10.0	20.0	50.0
Acrolein	TBAd10	Ave	25510 2354258	91998 6799931	223595	492202	1109049	9.76 976	39.0 2928	97.6	195	488
1,1-Dichloroethene	FB	Ave	5438 559359	23439 1693598	59061	107332	267054	1.00 100	4.00 300	10.0	20.0	50.0
Acetone	TBAd10	Ave	2225 228960	9422 677437	21502	47902	113659	2.00 200	8.00 600	20.0	40.0	100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 609313

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2025 19:07 Calibration End Date: 02/24/2025 21:09 Calibration ID: 70020

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Freon 113	FB	Ave	5563 685633	27066 2064823	73007	132840	331356	1.00 100	4.00 300	10.0	20.0	50.0
Methyl iodide	FB	Ave	10799 1167422	47276 3504294	121379	222649	558634	1.00 100	4.00 300	10.0	20.0	50.0
2-Propanol	TBAd10	Ave	4246 512446	17239 1300666	46599	113006	270422	5.00 500	20.0 1500	50.0	100	250
Carbon disulfide	FB	Ave	20621 2251115	92230 7059809	240151	432783	1083467	1.00 100	4.00 300	10.0	20.0	50.0
Methyl acetate	FB	Ave	12515 859235	34001 2517437	85315	167776	407506	1.00 100	4.00 300	10.0	20.0	50.0
Allyl chloride	FB	Ave	12573 1115027	49980 3275268	123685	215902	525307	1.00 100	4.00 300	10.0	20.0	50.0
Methylene Chloride	FB	Ave	7071 672023	27525 2009188	70387	126628	315504	1.00 100	4.00 300	10.0	20.0	50.0
t-Butyl alcohol	TBAd10	Ave	9066 821370	29346 2022162	74757	179420	437532	5.00 500	20.0 1500	50.0	100	250
Acrylonitrile	FB	Ave	12038 1081613	44282 3209799	115400	220691	518344	2.50 250	10.0 750	25.0	50.0	125
trans-1,2-Dichloroethene	FB	Ave	5739 594177	25270 1717815	64121	115471	281578	1.00 100	4.00 300	10.0	20.0	50.0
Methyl tertiary butyl ether	FB	Ave	20452 1932948	81413 5727747	203905	375380	932556	1.00 100	4.00 300	10.0	20.0	50.0
n-Hexane	FB	Ave	8233 850702	34821 2488779	91251	170757	416279	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloroethane	FB	Ave	11160 1155344	48318 3332065	124468	224021	548754	1.00 100	4.00 300	10.0	20.0	50.0
Isopropyl ether	FB	Ave	23096 2215546	89719 6571667	230170	433941	1048532	1.00 100	4.00 300	10.0	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	9984 1020358	42876 2946047	109028	197404	486045	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl t-butyl ether	FB	Ave	20362 2046218	79685 6102413	206499	397717	970318	1.00 100	4.00 300	10.0	20.0	50.0
2-Butanone	FB	Ave	15421 1397392	52820 3931464	122276	264168	610903	2.00 200	8.00 600	20.0	40.0	100
cis-1,2-Dichloroethene	FB	Ave	7006 694650	29273 2012155	73501	134191	329536	1.00 100	4.00 300	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	10018 963327	41255 2865073	101489	186820	462424	1.00 100	4.00 300	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 609313

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2025 19:07 Calibration End Date: 02/24/2025 21:09 Calibration ID: 70020

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propionitrile	TBAd10	Ave	9680 926540	38610 2916121	98146	195991	456150	5.00 500	20.0 1500	50.0	100	250
Methyl acrylate	FB	Ave	11287 1025060	39722 3089325	87958	195325	476359	1.00 100	4.00 300	10.0	20.0	50.0
Methacrylonitrile	FB	Ave	10435 993342	38960 3031444	98572	202618	472158	2.50 250	10.0 750	25.0	50.0	125
Bromochloromethane	FB	Ave	3260 323058	12830 945799	33491	62537	151272	1.00 100	4.00 300	10.0	20.0	50.0
Tetrahydrofuran	TBAd10	Ave	8215 810854	31754 2474514	82218	159494	381867	5.00 500	20.0 1500	50.0	100	250
Chloroform	FB	Ave	10973 1108724	45713 3236134	114744	217563	522193	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	8897 972148	39712 2936082	101369	188049	466030	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexane	FB	Ave	12034 1265803	49781 3817194	133147	242375	607483	1.00 100	4.00 300	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	6915 819258	32620 2507496	84473	152532	387842	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	8552 906764	36395 2690557	94285	173920	428254	1.00 100	4.00 300	10.0	20.0	50.0
Isobutyl alcohol	TBAd10	Ave	8933 800188	30245 2158083	74842	172157	396952	12.5 1250	50.0 3750	125	250	625
Benzene	FB	Ave	25950 2662057	108852 8004641	277119	508566	1263084	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	8714 834045	34236 2474351	85411	163430	392639	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl methyl ether	FB	Ave	18569 1887670	73266 5666700	186297	370985	880694	1.00 100	4.00 300	10.0	20.0	50.0
n-Heptane	FB	Ave	8398 814873	33737 2461944	90396	164527	398624	1.00 100	4.00 300	10.0	20.0	50.0
n-Butanol	TBAd10	Ave	4888 571970	18631 1460578	47705	117085	285686	12.5 1250	50.0 3750	125	250	625
Trichloroethene	FB	Ave	6048 668444	26320 2013128	67451	126724	314351	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl acrylate	FB	Ave	9942 1104518	38992 3423620	91923	197612	503782	1.00 100	4.00 300	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	9010	42134	114611	209455	525299	1.00	4.00	10.0	20.0	50.0

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 609313

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2025 19:07 Calibration End Date: 02/24/2025 21:09 Calibration ID: 70020

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			1101318	3387203				100	300			
1,2-Dichloropropane	FB	Ave	6692 701993	27918 2107091	69395	135363	330257	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl ethyl ether	FB	Ave	7607 865492	33039 2624796	85193	168725	406978	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dioxane	TBAd10	Ave	+++++ 118460	4681 319017	11786	25822	60985	+++++ 1250	50.0 3750	125	250	625
Dibromomethane	FB	Ave	3924 416699	16030 1265306	40856	82820	196563	1.00 100	4.00 300	10.0	20.0	50.0
Methyl methacrylate	FB	Ave	5781 574640	20959 1772869	54035	115004	271361	1.00 100	4.00 300	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	7333 822248	29962 2517138	77963	158790	381776	1.00 100	4.00 300	10.0	20.0	50.0
2-Nitropropane	TBAd10	Ave	14655 1498997	54903 4651998	142061	310758	716899	5.00 500	20.0 1500	50.0	100	250
2-Chloroethyl vinyl ether	FB	Ave	3599 490452	15799 1610071	41672	94020	241962	1.00 100	4.00 300	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	9564 1059723	36291 3294084	97896	199092	485423	1.00 100	4.00 300	10.0	20.0	50.0
4-Methyl-2-pentanone	FB	Ave	24926 3094797	98751 7879497	248226	570692	1270087	2.00 200	8.00 600	20.0	40.0	100
Toluene	CBZd5	Ave	14596 1598540	60695 4895016	158616	304060	750260	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZd5	Ave	7896 929624	31973 2957573	83070	175507	425431	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl methacrylate	CBZd5	Ave	9748 1021000	37576 3061039	97515	211360	491493	1.00 100	4.00 300	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZd5	Ave	5277 559739	19897 1721771	52703	112836	262060	1.00 100	4.00 300	10.0	20.0	50.0
Tetrachloroethene	CBZd5	Ave	6165 666706	25286 2058283	67337	127223	313174	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichloropropane	CBZd5	Ave	8070 921391	33202 2864661	86454	182122	429321	1.00 100	4.00 300	10.0	20.0	50.0
2-Hexanone	CBZd5	Ave	18370 2160770	69418 5536014	175194	411290	891991	2.00 200	8.00 600	20.0	40.0	100
Dibromochloromethane	CBZd5	Ave	4926 632036	20050 1996151	54365	118615	291188	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromoethane	CBZd5	Ave	5347 595431	20662 1855606	56076	115009	273158	1.00 100	4.00 300	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 609313

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2025 19:07 Calibration End Date: 02/24/2025 21:09 Calibration ID: 70020

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1-Chlorohexane	CBZd5	Ave	8682 791658	32356 2457562	80780	157523	383867	1.00 100	4.00 300	10.0	20.0	50.0
Chlorobenzene	CBZd5	Ave	14978 1696097	62431 5316420	164219	329809	794341	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZd5	Ave	5901 652793	22640 1993148	60313	127186	307147	1.00 100	4.00 300	10.0	20.0	50.0
Ethylbenzene	CBZd5	Ave	29119 3213307	119606 9897583	319188	630641	1532474	1.00 100	4.00 300	10.0	20.0	50.0
m&p-Xylene	CBZd5	Ave	21498 2397642	90124 7374734	238450	475374	1143832	2.00 200	8.00 600	20.0	40.0	100
n-Butyl acrylate	CBZd5	Ave	14837 1538677	58407 4578139	142242	298376	742787	1.000 100.0	4.00 300	10.00	20.0	50.0
o-Xylene	CBZd5	Ave	11177 1238755	46646 3768406	122369	244581	594507	1.00 100	4.00 300	10.0	20.0	50.0
Styrene	CBZd5	Ave	17224 1940267	71691 6062957	188738	384320	918704	1.00 100	4.00 300	10.0	20.0	50.0
Bromoform	CBZd5	Ave	3809 493578	15378 1567072	41867	94183	233150	1.00 100	4.00 300	10.0	20.0	50.0
Isopropylbenzene	CBZd5	Ave	24379 2904192	106421 8871106	284539	573097	1390708	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexanone	TBAd10	Ave	22633 565526	83249 1522358	110151	215859	286338	50.0 1250	200 3750	250	500	625
Bromobenzene	DCBd4	Ave	6658 714324	25966 2240287	70510	144159	342870	1.00 100	4.00 300	10.0	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd4	Ave	10126 1109414	40757 3260212	104572	229732	546402	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	6338 763328	26558 2300582	71620	159027	381472	2.50 250	10.0 750	25.0	50.0	125
1,2,3-Trichloropropane	DCBd4	Ave	2494 286673	10923 840622	28335	59110	139971	1.00 100	4.00 300	10.0	20.0	50.0
N-Propylbenzene	DCBd4	Ave	32861 3754076	141606 11212518	374964	750794	1817543	1.00 100	4.00 300	10.0	20.0	50.0
2-Chlorotoluene	DCBd4	Ave	6333 718202	27315 2228952	70625	144001	345791	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCBd4	Ave	21237 2662762	93128 8119970	250825	514600	1254004	1.00 100	4.00 300	10.0	20.0	50.0
4-Chlorotoluene	DCBd4	Ave	6013 685324	25010 2139385	69328	139008	330180	1.00 100	4.00 300	10.0	20.0	50.0
tert-Butylbenzene	DCBd4	Ave	3226	14863	40252	84789	217198	1.00	4.00	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 609313

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2025 19:07 Calibration End Date: 02/24/2025 21:09 Calibration ID: 70020

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			452929	1429347				100	300			
1,2,4-Trimethylbenzene	DCBd4	Ave	22972 2678598	94862 8209965	257891	525347	1280965	1.00 100	4.00 300	10.0	20.0	50.0
sec-Butylbenzene	DCBd4	Ave	25385 3210071	112902 9952726	305104	621497	1539829	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichlorobenzene	DCBd4	Ave	11769 1313510	50230 4059572	133701	268729	637522	1.00 100	4.00 300	10.0	20.0	50.0
p-Isopropyltoluene	DCBd4	Ave	21305 2722710	97886 8510311	255711	530489	1305827	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dichlorobenzene	DCBd4	Ave	12819 1315909	50237 4051163	132997	270941	639538	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trimethylbenzene	DCBd4	Ave	23706 2744798	96124 8408296	263082	530746	1307132	1.00 100	4.00 300	10.0	20.0	50.0
Benzyl chloride	DCBd4	Ave	17744 2115119	70748 6238364	199310	428034	1037578	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Diethylbenzene	DCBd4	Ave	12613 1507957	54605 4690028	145332	300076	732808	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Diethylbenzene	DCBd4	Ave	13833 1577480	58940 4961827	155098	315491	773663	1.00 100	4.00 300	10.0	20.0	50.0
n-Butylbenzene	DCBd4	Ave	11222 1312777	49529 4106451	131182	269816	650609	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichlorobenzene	DCBd4	Ave	12852 1349295	51227 4078748	132495	276404	656083	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Diethylbenzene	DCBd4	Ave	10383 1286773	42901 4048388	119871	246450	613919	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	2628 306290	10754 866632	28293	61955	152938	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trichlorobenzene	DCBd4	Ave	8533 959996	35573 2914536	92444	193691	472378	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCBd4	Ave	7940 920814	32868 2759756	86910	187338	451918	1.00 100	4.00 300	10.0	20.0	50.0
2-Ethylhexyl acrylate	DCBd4	Ave	8043 1028713	33820 3151866	81863	192202	495070	0.999 99.9	4.00 300	9.99	20.0	50.0
Hexachlorobutadiene	DCBd4	Ave	2877 354125	12191 1166274	33812	70362	174875	1.00 100	4.00 300	10.0	20.0	50.0
Naphthalene	DCBd4	Ave	32134 3699940	130620 10370776	345783	746276	1829695	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCBd4	Ave	8446 911617	32238 2705564	85442	183403	453819	1.00 100	4.00 300	10.0	20.0	50.0
2-Methylnaphthalene	DCBd4	Ave	14378	55061	158278	351524	893984	1.00	4.00	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 609313

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2025 19:07 Calibration End Date: 02/24/2025 21:09 Calibration ID: 70020

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			1843559	5363688				100	300			
Dibromofluoromethane (Surr)	FB	Ave	266982 282663	263135 287414	265527	271058	268592	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	60759 66616	59594 66429	60126	60863	62619	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZd5	Ave	972602 1099126	958466 1145391	981114	1012233	1030776	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	364210 390807	359868 421738	369549	377956	377377	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:
Ave = Average ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 609313

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2025 19:07 Calibration End Date: 02/24/2025 21:09 Calibration ID: 70020

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-609313/12	5F24X11.D
Level 2	IC 410-609313/13	5F24X12.D
Level 3	IC 410-609313/14	5F24X13.D
Level 4	IC 410-609313/15	5F24X14.D
Level 5	ICIS 410-609313/16	5F24X15.D
Level 6	IC 410-609313/17	5F24X16.D
Level 7	IC 410-609313/18	5F24X17.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	-5.3 -3.5	13.9	5.3	3.6	-2.3	-11.7	50 30	30	30	30	30	30
Chloromethane	8.7 -11.7	15.7	0.0	1.1	-5.0	-8.8	50 30	30	30	30	30	30
1,3-Butadiene	7.6 -14.6	26.4	2.6	2.7	-8.6	-16.0	50 30	30	30	30	30	30
Vinyl chloride	-2.0 -8.4	16.6	1.3	4.0	-2.8	-8.7	50 30	30	30	30	30	30
Bromomethane	-10.8 -5.7	12.5	2.3	5.6	-0.8	-3.2	50 30	30	30	30	30	30
Chloroethane	0.5 -11.8	14.6	3.9	4.7	-4.0	-8.0	50 30	30	30	30	30	30
Dichlorofluoromethane	3.9 -9.1	11.6	1.7	3.0	-4.0	-7.2	50 30	30	30	30	30	30
n-Pentane	2.2 -5.8	6.6	10.1	-3.0	-4.7	-5.4	50 30	30	30	30	30	30
Trichlorofluoromethane	-7.4 -3.4	12.7	3.3	3.6	-1.3	-7.6	50 30	30	30	30	30	30
Ethyl ether	3.9 -8.7	1.0	5.4	0.8	-0.5	-1.9	50 30	30	30	30	30	30
Freon 123a	-2.9 -8.3	13.6	3.6	4.6	-3.4	-7.2	50 30	30	30	30	30	30
Acrolein	8.3 0.2	1.2	-2.7	6.2	-9.5	-3.6	50 30	30	30	30	30	30
1,1-Dichloroethene	0.1 -4.8	9.8	7.9	-3.7	-4.8	-4.6	50 30	30	30	30	30	30
Acetone	-2.9 2.6	6.5	-3.9	6.2	-4.7	-3.7	50 30	30	30	30	30	30
Freon 113	-14.0 -2.5	6.6	12.1	0.2	-0.7	-1.7	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 609313

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2025 19:07 Calibration End Date: 02/24/2025 21:09 Calibration ID: 70020

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methyl iodide	-3.2 -4.0	7.9	8.0	-2.7	-3.0	-3.0	50 30	30	30	30	30	30
2-Propanol	-12.3 -6.7	-7.7	-1.3	18.6	7.3	2.1	50 30	30	30	30	30	30
Carbon disulfide	-5.3 -1.0	7.8	9.5	-3.1	-3.6	-4.2	50 30	30	30	30	30	30
Methyl acetate	42.7 -12.3	-1.2	-3.4	-6.7	-9.9	-9.2	50 30	30	30	30	30	30
Allyl chloride	11.9 -10.9	13.3	9.3	-6.3	-9.4	-8.0	50 30	30	30	30	30	30
Methylene Chloride	8.2 -6.0	7.3	7.0	-5.5	-6.4	-4.6	50 30	30	30	30	30	30
t-Butyl alcohol	11.7 -13.5	-6.3	-5.6	12.3	3.6	-2.4	50 30	30	30	30	30	30
Acrylonitrile	11.7 -9.0	4.7	6.4	-0.1	-6.8	-6.9	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	-0.5 -9.0	11.5	10.4	-2.4	-5.4	-4.5	50 30	30	30	30	30	30
Methyl tertiary butyl ether	7.5 -8.1	8.9	6.4	-3.8	-5.1	-5.9	50 30	30	30	30	30	30
n-Hexane	-0.7 -8.3	6.9	9.3	0.4	-2.7	-4.9	50 30	30	30	30	30	30
1,1-Dichloroethane	-0.2 -9.0	10.0	10.5	-2.3	-4.9	-4.2	50 30	30	30	30	30	30
Isopropyl ether	7.1 -6.9	6.0	6.0	-1.8	-5.7	-4.7	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	0.9 -9.0	10.4	9.5	-2.7	-4.8	-4.4	50 30	30	30	30	30	30
Ethyl t-butyl ether	4.1 -4.7	3.7	4.8	-0.9	-3.9	-3.1	50 30	30	30	30	30	30
2-Butanone	19.0 -7.3	3.8	-6.3	-0.6	-8.6	0.0	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	3.7 -9.0	10.4	8.1	-3.1	-5.5	-4.7	50 30	30	30	30	30	30
2,2-Dichloropropane	5.7 -7.7	10.8	6.3	-3.9	-5.5	-5.8	50 30	30	30	30	30	30
Propionitrile	0.3 4.9	3.7	4.3	3.2	-9.1	-7.4	50 30	30	30	30	30	30
Methyl acrylate	16.5 -2.6	4.4	-9.9	-1.7	-4.7	-1.9	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 609313

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2025 19:07 Calibration End Date: 02/24/2025 21:09 Calibration ID: 70020

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methacrylonitrile	8.0 -4.2	2.7	1.3	2.2	-5.3	-4.7	50 30	30	30	30	30	30
Bromochloromethane	5.1 -6.9	5.3	7.2	-1.7	-5.5	-3.5	50 30	30	30	30	30	30
Tetrahydrofuran	1.4 6.0	1.6	4.0	0.0	-9.4	-3.5	50 30	30	30	30	30	30
Chloroform	2.5 -7.6	8.8	6.5	-0.9	-5.4	-3.9	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-4.6 -3.8	8.5	8.0	-1.6	-3.1	-3.3	50 30	30	30	30	30	30
Cyclohexane	-0.8 -3.9	4.5	9.0	-2.6	-3.0	-3.3	50 30	30	30	30	30	30
Carbon tetrachloride	-10.1 -0.4	8.0	9.1	-3.3	-2.3	-1.2	50 30	30	30	30	30	30
1,1-Dichloropropene	-1.2 -5.0	7.1	8.2	-2.0	-4.1	-2.9	50 30	30	30	30	30	30
Isobutyl alcohol	11.6 -6.4	-2.1	-4.1	9.3	-4.7	-3.6	50 30	30	30	30	30	30
Benzene	1.1 -4.7	8.0	7.3	-3.3	-4.6	-3.8	50 30	30	30	30	30	30
1,2-Dichloroethane	7.4 -6.8	7.5	4.6	-1.8	-6.2	-4.7	50 30	30	30	30	30	30
t-Amyl methyl ether	3.4 -3.6	3.9	3.0	0.7	-5.0	-2.6	50 30	30	30	30	30	30
n-Heptane	3.5 -7.3	5.9	10.7	-1.1	-4.8	-6.9	50 30	30	30	30	30	30
n-Butanol	-6.6 -3.1	-7.7	-6.5	13.7	4.9	5.4	50 30	30	30	30	30	30
Trichloroethene	-3.9 -2.3	6.5	6.4	-1.8	-3.2	-1.6	50 30	30	30	30	30	30
Ethyl acrylate	0.7 6.0	0.6	-7.5	-2.4	-1.1	3.7	50 30	30	30	30	30	30
Methylcyclohexane	-12.5 0.5	4.2	10.5	-0.8	-1.1	-0.8	50 30	30	30	30	30	30
1,2-Dichloropropane	0.4 -3.4	6.7	3.4	-0.9	-3.9	-2.3	50 30	30	30	30	30	30
t-Amyl ethyl ether	-6.0 -0.9	4.0	4.6	1.7	-2.5	-0.8	50 30	30	30	30	30	30
1,4-Dioxane	+++++ -7.1	1.7	1.3	10.0	-1.7	-4.2	30	50	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 609313

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2025 19:07 Calibration End Date: 02/24/2025 21:09 Calibration ID: 70020

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Dibromomethane	-0.6 -2.1	3.4	2.8	2.3	-3.5	-2.2	50 30	30	30	30	30	30
Methyl methacrylate	6.2 -0.5	-1.9	-1.4	3.1	-3.4	-2.1	50 30	30	30	30	30	30
Bromodichloromethane	-3.4 1.3	0.5	2.0	2.0	-2.6	0.4	50 30	30	30	30	30	30
2-Nitropropane	-1.0 9.1	-3.9	-1.6	6.7	-6.9	-2.3	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-17.4 12.9	-7.7	-5.0	5.2	7.6	4.3	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-0.9 4.3	-4.2	0.8	0.6	-2.5	1.8	50 30	30	30	30	30	30
4-Methyl-2-pentanone	-3.0 -6.3	-2.2	-4.1	8.3	-4.3	11.6	50 30	30	30	30	30	30
Toluene	1.4 -6.7	5.2	6.7	0.3	-3.7	-3.1	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-1.9 0.8	-0.9	0.0	3.5	-2.4	0.8	50 30	30	30	30	30	30
Ethyl methacrylate	5.0 -9.6	1.0	1.7	8.1	-2.2	-4.0	50 30	30	30	30	30	30
1,1,2-Trichloroethane	5.1 -6.0	-1.1	1.7	6.7	-3.6	-2.7	50 30	30	30	30	30	30
Tetrachloroethene	2.0 -6.5	4.4	8.0	0.0	-4.2	-3.7	50 30	30	30	30	30	30
1,3-Dichloropropane	-1.3 -3.8	1.4	2.5	5.8	-3.0	-1.6	50 30	30	30	30	30	30
2-Hexanone	4.8 -13.4	-1.2	-3.2	11.4	-6.0	7.6	50 30	30	30	30	30	30
Dibromochloromethane	-7.3 3.0	-5.9	-0.9	6.0	1.2	3.8	50 30	30	30	30	30	30
1,2-Dibromoethane	1.9 -3.0	-1.7	3.5	4.1	-3.8	-1.0	50 30	30	30	30	30	30
1-Chlorohexane	15.1 -10.6	7.0	3.7	-0.8	-6.0	-8.4	50 30	30	30	30	30	30
Chlorobenzene	-1.3 -3.9	2.7	4.9	3.2	-3.3	-2.4	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	2.6 -5.0	-1.8	1.6	5.0	-1.4	-1.0	50 30	30	30	30	30	30
Ethylbenzene	0.2 -6.5	2.7	6.5	3.1	-2.5	-3.5	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 609313

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2025 19:07 Calibration End Date: 02/24/2025 21:09 Calibration ID: 70020

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
m&p-Xylene	-1.0 -6.8	3.6	6.4	4.0	-2.6	-3.6	50 30	30	30	30	30	30
n-Butyl acrylate	7.0 -9.4	5.1	-0.6	2.2	-1.0	-3.2	50 30	30	30	30	30	30
o-Xylene	-0.2 -7.7	3.9	5.8	3.7	-2.0	-3.5	50 30	30	30	30	30	30
Styrene	-1.3 -4.7	2.5	4.8	4.6	-2.8	-3.0	50 30	30	30	30	30	30
Bromoform	-8.3 3.5	-7.7	-2.4	7.6	3.7	3.7	50 30	30	30	30	30	30
Isopropylbenzene	-5.8 -5.9	2.6	6.6	5.2	-0.7	-2.0	50 30	30	30	30	30	30
Cyclohexanone	3.1 -3.7	-1.7	2.9	-0.1	0.2	-0.6	50 30	30	30	30	30	30
Bromobenzene	-1.3 0.5	-3.8	3.8	3.1	-2.4	0.2	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-2.4 -4.9	-1.8	0.0	6.8	1.2	1.1	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-10.0 -1.1	-5.7	1.0	9.0	4.1	2.6	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-7.3 -5.4	1.5	4.6	6.0	-0.1	0.8	50 30	30	30	30	30	30
N-Propylbenzene	-6.5 -3.4	0.7	5.9	3.1	-0.7	1.0	50 30	30	30	30	30	30
2-Chlorotoluene	-6.3 -0.1	1.0	3.8	2.8	-1.7	0.5	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-11.6 2.4	-3.1	3.7	3.4	0.3	4.9	50 30	30	30	30	30	30
4-Chlorotoluene	-6.8 0.4	-3.1	6.7	4.0	-1.7	0.5	50 30	30	30	30	30	30
tert-Butylbenzene	-18.8 8.9	-6.5	0.6	3.0	5.0	7.8	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-6.8 0.9	-3.8	3.9	2.9	-0.1	2.9	50 30	30	30	30	30	30
sec-Butylbenzene	-12.9 3.4	-3.2	4.0	2.9	1.5	4.2	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-5.9 -1.7	0.4	6.2	3.7	-2.0	-0.6	50 30	30	30	30	30	30
p-Isopropyltoluene	-14.0 4.0	-1.2	2.5	3.4	1.3	4.0	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 609313

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2025 19:07 Calibration End Date: 02/24/2025 21:09 Calibration ID: 70020

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	1.2 -3.2	-0.9	4.3	3.2	-3.0	-1.7	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-5.7 1.2	-4.5	3.9	1.9	-0.1	3.3	50 30	30	30	30	30	30
Benzyl chloride	-7.8 -1.8	-8.1	2.8	7.3	3.6	4.0	50 30	30	30	30	30	30
1,3-Diethylbenzene	-9.7 1.7	-2.2	3.4	3.7	0.9	2.2	50 30	30	30	30	30	30
1,4-Diethylbenzene	-6.9 1.1	-0.8	3.7	2.5	0.1	0.5	50 30	30	30	30	30	30
n-Butylbenzene	-9.7 0.0	-0.4	4.8	4.8	0.6	-0.1	50 30	30	30	30	30	30
1,2-Dichlorobenzene	0.1 -3.8	-0.3	2.5	3.9	-1.8	-0.6	50 30	30	30	30	30	30
1,2-Diethylbenzene	-10.4 5.8	-7.5	2.7	2.6	1.8	5.0	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-6.0 -6.2	-3.9	0.5	6.9	5.1	3.6	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-5.1 -1.8	-1.1	2.1	4.0	1.0	1.0	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-6.7 -1.8	-3.5	1.4	6.2	2.0	2.4	50 30	30	30	30	30	30
2-Ethylhexyl acrylate	-10.2 6.6	-5.6	-9.2	3.6	6.2	8.7	50 30	30	30	30	30	30
Hexachlorobutadiene	-12.1 7.9	-6.9	2.5	3.7	2.6	2.3	50 30	30	30	30	30	30
Naphthalene	-5.0 -7.1	-3.4	1.5	6.5	4.0	3.5	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-0.4 -3.4	-5.0	0.0	4.4	2.8	1.7	50 30	30	30	30	30	30
2-Methylnaphthalene	-9.9 1.8	-13.7	-1.5	6.3	7.7	9.3	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	1.1 -0.3	1.5	-0.2	0.1	-1.5	-0.8	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	0.3 0.6	0.3	-1.4	-2.0	0.2	2.0	50 30	30	30	30	30	30
Toluene-d8 (Surr)	1.7 -1.4	0.0	-0.6	0.5	-0.4	0.3	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	2.9 -1.9	1.5	1.2	1.4	-1.5	-3.6	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D
Lims ID: IC v1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 24-Feb-2025 19:07:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0138970-012
Misc. Info.: IC V1
Operator ID: knk41612 Instrument ID: 26285
Sublist: chrom-MSVoa_26285a*sub89

Method: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 27-Feb-2025 12:26:55 Calib Date: 24-Feb-2025 21:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: TQ4J Date: 25-Feb-2025 06:30:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.592	1.598	-0.006	36	10087	1.00	0.9471	
4 Chloromethane	50	1.775	1.774	0.001	99	12481	1.00	1.09	
6 Butadiene	39	1.848	1.841	0.007	90	13552	1.00	1.08	M
5 Vinyl chloride	62	1.878	1.866	0.012	96	9758	1.00	0.9797	
8 Bromomethane	94	2.159	2.158	0.001	92	6223	1.00	0.8923	
9 Chloroethane	64	2.189	2.189	0.000	59	5738	1.00	1.00	
10 Dichlorofluoromethane	67	2.439	2.433	0.006	95	18258	1.00	1.04	
12 Pentane	43	2.445	2.451	-0.006	92	11689	1.00	1.02	
11 Trichlorofluoromethane	101	2.470	2.476	-0.006	85	10404	1.00	0.9261	
14 Ethyl ether	59	2.640	2.628	0.012	92	4901	1.00	1.04	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	2.744	2.732	0.012	81	8596	1.00	0.9711	M
16 Acrolein	56	2.781	2.774	0.006	96	25510	9.76	10.6	
17 1,1-Dichloroethene	96	2.884	2.890	-0.006	95	5438	1.00	1.00	
18 Acetone	58	2.927	2.914	0.013	84	2225	2.00	1.94	M
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.939	2.939	0.000	72	5563	1.00	0.8602	
20 Iodomethane	142	3.067	3.067	0.000	99	10799	1.00	0.9679	
21 Isopropyl alcohol	45	3.073	3.079	-0.006	38	4246	5.00	4.39	
22 Carbon disulfide	76	3.134	3.140	-0.006	98	20621	1.00	0.9466	M
24 Methyl acetate	43	3.280	3.262	0.018	61	12515	1.00	1.43	
25 3-Chloro-1-propene	41	3.293	3.280	0.013	87	12573	1.00	1.12	
26 Methylene Chloride	84	3.445	3.451	-0.006	34	7071	1.00	1.08	a
* 27 t-Butyl alcohol-d10 (IS)	65	3.530	3.524	0.006	97	389609	250.0	250.0	
29 2-Methyl-2-propanol	59	3.604	3.646	-0.042	29	9066	5.00	5.59	M
30 Acrylonitrile	53	3.756	3.737	0.019	98	12038	2.50	2.79	
31 trans-1,2-Dichloroethene	96	3.780	3.786	-0.006	95	5739	1.00	0.99	
32 Methyl tert-butyl ether	73	3.793	3.798	-0.006	89	20452	1.00	1.07	
33 Hexane	57	4.177	4.176	0.001	89	8233	1.00	0.99	
34 1,1-Dichloroethane	63	4.408	4.414	-0.006	92	11160	1.00	1.00	
36 Isopropyl ether	45	4.463	4.481	-0.018	97	23096	1.00	1.07	Ma
37 2-Chloro-1,3-butadiene	53	4.518	4.530	-0.012	87	9984	1.00	1.01	Ma

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.048	5.054	-0.006	97	20362	1.00	1.04	M
39 2-Butanone (MEK)	43	5.280	5.292	-0.012	74	15421	2.00	2.38	
40 cis-1,2-Dichloroethene	96	5.310	5.292	0.018	82	7006	1.00	1.04	a
41 2,2-Dichloropropane	77	5.310	5.310	0.000	66	10018	1.00	1.06	
43 Propionitrile	54	5.420	5.402	0.018	94	9680	5.00	5.02	
44 Methyl acrylate	55	5.432	5.420	0.012	94	11287	1.00	1.16	M
45 Methacrylonitrile	67	5.615	5.609	0.006	95	10435	2.50	2.70	
46 Chlorobromomethane	128	5.652	5.652	0.000	93	3260	1.00	1.05	
47 Tetrahydrofuran	71	5.658	5.670	-0.012	85	8215	5.00	5.07	
48 Chloroform	83	5.816	5.816	0.000	93	10973	1.00	1.03	
50 1,1,1-Trichloroethane	97	6.030	6.042	-0.012	36	8897	1.00	0.9543	
$ 49 Dibromofluoromethane (Surr)	113	6.042	6.042	0.000	93	266982	50.0	50.5	
51 Cyclohexane	56	6.134	6.133	0.001	91	12034	1.00	0.99	
S 54 1,2-Dichloroethene, Total	100				0			2.03	
52 Carbon tetrachloride	117	6.255	6.249	0.006	85	6915	1.00	0.8994	a
53 1,1-Dichloropropene	75	6.268	6.261	0.007	91	8552	1.00	0.9880	
55 Isobutyl alcohol	41	6.511	6.505	0.006	32	8933	12.5	14.0	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.511	6.517	-0.006	77	60759	50.0	50.2	
57 Benzene	78	6.542	6.536	0.006	96	25950	1.00	1.01	
58 1,2-Dichloroethane	62	6.621	6.621	0.000	94	8714	1.00	1.07	
60 Tert-amyl methyl ether	73	6.749	6.749	0.000	97	18569	1.00	1.03	
* 61 Fluorobenzene (IS)	96	6.969	6.969	0.000	98	1046208	50.0	50.0	
62 n-Heptane	43	6.987	6.987	0.000	36	8398	1.00	1.04	
63 n-Butanol	56	7.420	7.420	0.000	66	4888	12.5	11.7	
64 Trichloroethene	95	7.463	7.468	-0.006	93	6048	1.00	0.9607	
65 Ethyl acrylate	55	7.615	7.621	-0.006	97	9942	1.00	1.01	
66 Methylcyclohexane	83	7.773	7.773	0.000	93	9010	1.00	0.8751	
67 1,2-Dichloropropane	63	7.822	7.822	0.000	92	6692	1.00	1.00	
68 2-ethoxy-2-methyl butane	87	7.834	7.840	-0.006	88	7607	1.00	0.9402	
69 1,4-Dioxane	88		7.926				ND	ND	MU
70 Dibromomethane	93	7.926	7.926	0.000	71	3924	1.00	0.99	
71 Methyl methacrylate	69	7.932	7.932	0.000	88	5781	1.00	1.06	
74 Dichlorobromomethane	83	8.176	8.188	-0.012	93	7333	1.00	0.9656	
75 2-Nitropropane	41	8.487	8.493	-0.006	98	14655	5.00	4.95	
76 2-Chloroethyl vinyl ether	63	8.590	8.590	0.000	89	3599	1.00	0.8260	
77 cis-1,3-Dichloropropene	75	8.767	8.773	-0.006	93	9564	1.00	0.99	
78 4-Methyl-2-pentanone (MIBK)	43	8.987	8.986	0.001	98	24926	2.00	1.94	
$ 79 Toluene-d8 (Surr)	98	9.115	9.114	0.001	94	972602	50.0	50.8	
80 Toluene	92	9.200	9.200	0.000	98	14596	1.00	1.01	
84 trans-1,3-Dichloropropene	75	9.511	9.511	0.000	96	7896	1.00	0.9809	
85 Ethyl methacrylate	69	9.596	9.596	0.000	88	9748	1.00	1.05	
86 1,1,2-Trichloroethane	97	9.736	9.736	0.000	86	5277	1.00	1.05	
87 Tetrachloroethene	166	9.810	9.809	0.001	91	6165	1.00	1.02	
88 1,3-Dichloropropane	76	9.913	9.913	0.000	95	8070	1.00	0.9873	
90 2-Hexanone	43	9.993	9.986	0.006	97	18370	2.00	2.10	
S 97 1,3-Dichloropropene, Total	100				0			1.97	
91 Chlorodibromomethane	129	10.139	10.139	0.000	88	4926	1.00	0.9269	
96 Ethylene Dibromide	107	10.249	10.254	-0.005	98	5347	1.00	1.02	
* 98 Chlorobenzene-d5 (IS)	117	10.724	10.724	0.000	87	709648	50.0	50.0	
100 1-Chlorohexane	91	10.748	10.748	0.000	57	8682	1.00	1.15	
99 Chlorobenzene	112	10.755	10.754	0.001	96	14978	1.00	0.9873	
128 1,1,1,2-Tetrachloroethane	131	10.846	10.846	0.000	90	5901	1.00	1.03	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
129 Ethylbenzene	91	10.852	10.852	0.000	99	29119	1.00	1.00	
130 m-Xylene & p-Xylene	106	10.974	10.980	-0.006	99	21498	2.00	1.98	
S 134 Xylenes, Total	106				0			2.98	
131 n-Butyl acrylate	55	11.297	11.297	0.000	95	14837	1.00	1.07	
132 o-Xylene	106	11.328	11.327	0.001	96	11177	1.00	1.00	
133 Styrene	104	11.346	11.346	0.000	95	17224	1.00	0.9867	
135 Bromoform	173	11.504	11.504	0.000	95	3809	1.00	0.9165	
136 Isopropylbenzene	105	11.645	11.651	-0.006	96	24379	1.00	0.9423	
137 Cyclohexanone	55	11.724	11.724	0.000	95	22633	50.0	51.5	
$ 140 4-Bromofluorobenzene (Surr)	95	11.791	11.797	-0.006	93	364210	50.0	51.5	
143 Bromobenzene	156	11.913	11.913	0.000	91	6658	1.00	0.9866	
144 1,1,2,2-Tetrachloroethane	83	11.913	11.913	0.000	94	10126	1.00	0.9756	
145 trans-1,4-Dichloro-2-butene	53	11.943	11.943	0.000	88	6338	2.50	2.25	
146 1,2,3-Trichloropropane	110	11.956	11.955	0.001	86	2494	1.00	0.9267	
147 N-Propylbenzene	91	11.992	11.992	0.000	99	32861	1.00	0.9346	
148 2-Chlorotoluene	126	12.065	12.065	0.000	89	6333	1.00	0.9370	M
149 1,3,5-Trimethylbenzene	105	12.138	12.138	0.000	95	21237	1.00	0.8841	
150 4-Chlorotoluene	126	12.163	12.169	-0.006	97	6013	1.00	0.9319	M
152 tert-Butylbenzene	134	12.388	12.388	0.000	93	3226	1.00	0.8118	
154 1,2,4-Trimethylbenzene	105	12.431	12.437	-0.006	97	22972	1.00	0.9324	
155 sec-Butylbenzene	105	12.559	12.559	0.000	95	25385	1.00	0.8710	
156 1,3-Dichlorobenzene	146	12.657	12.656	0.001	97	11769	1.00	0.9411	
157 4-Isopropyltoluene	119	12.675	12.675	0.000	97	21305	1.00	0.8601	
* 158 1,4-Dichlorobenzene-d4	152	12.711	12.711	0.000	96	400313	50.0	50.0	
159 1,4-Dichlorobenzene	146	12.730	12.736	-0.006	91	12819	1.00	1.01	a
160 1,2,3-Trimethylbenzene	105	12.748	12.748	0.000	96	23706	1.00	0.9427	a
164 Benzyl chloride	91	12.815	12.821	-0.006	99	17744	1.00	0.9220	a
165 1,3-Diethylbenzene	119	12.882	12.882	0.000	94	12613	1.00	0.9034	a
166 p-Diethylbenzene	119	12.955	12.961	-0.006	93	13833	1.00	0.9310	a
167 n-Butylbenzene	92	12.980	12.980	0.000	97	11222	1.00	0.9028	
168 1,2-Dichlorobenzene	146	13.004	13.004	0.000	96	12852	1.00	1.00	
169 o-diethylbenzene	119	13.029	13.034	-0.006	97	10383	1.00	0.8958	a
170 1,2-Dibromo-3-Chloropropane	75	13.559	13.565	-0.006	77	2628	1.00	0.9397	
171 1,3,5-Trichlorobenzene	180	13.693	13.693	0.000	94	8533	1.00	0.9490	
173 1,2,4-Trichlorobenzene	180	14.126	14.126	0.000	90	7940	1.00	0.9328	
175 2-Ethylhexyl acrylate	55	14.205	14.211	-0.006	81	8043	1.00	0.8976	
174 Hexachlorobutadiene	225	14.217	14.217	0.000	73	2877	1.00	0.8786	
176 Naphthalene	128	14.315	14.315	0.000	98	32134	1.00	0.9503	
177 1,2,3-Trichlorobenzene	180	14.461	14.461	0.000	94	8446	1.00	1.00	
178 2-Methylnaphthalene	142	15.071	15.071	0.000	92	14378	1.00	0.9011	
S 182 Total Diethylbenzene	1				0			2.73	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSV_4ppbEE_00624	Amount Added:	12.50	Units: mL	
MSV_Cent_ISSS_00034	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 27-Feb-2025 12:26:56 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D

Injection Date: 24-Feb-2025 19:07:30 Instrument ID: 26285 Operator ID: knk41612

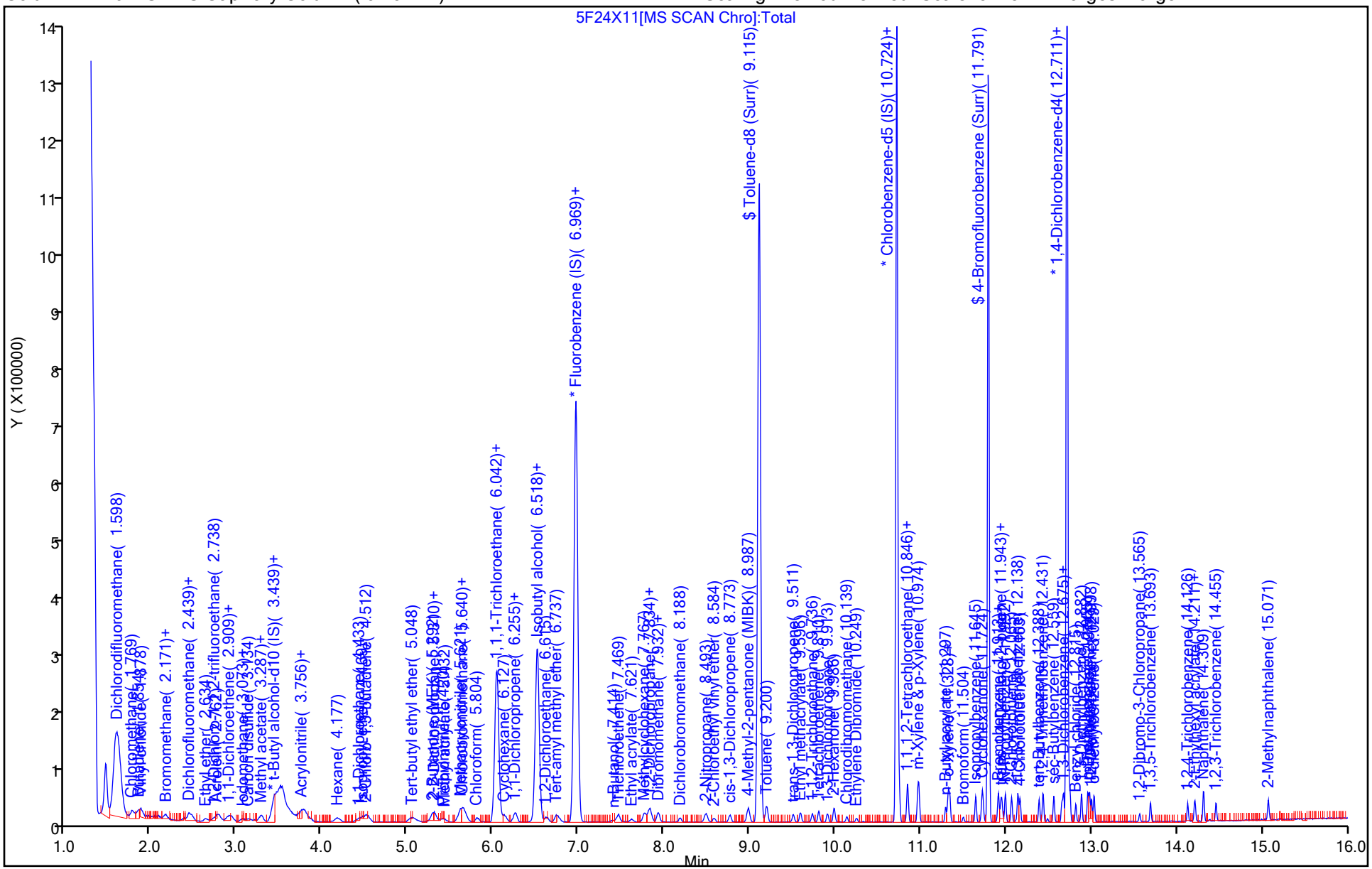
Lims ID: IC v1 Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 11

Method: MSVoa_26285a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

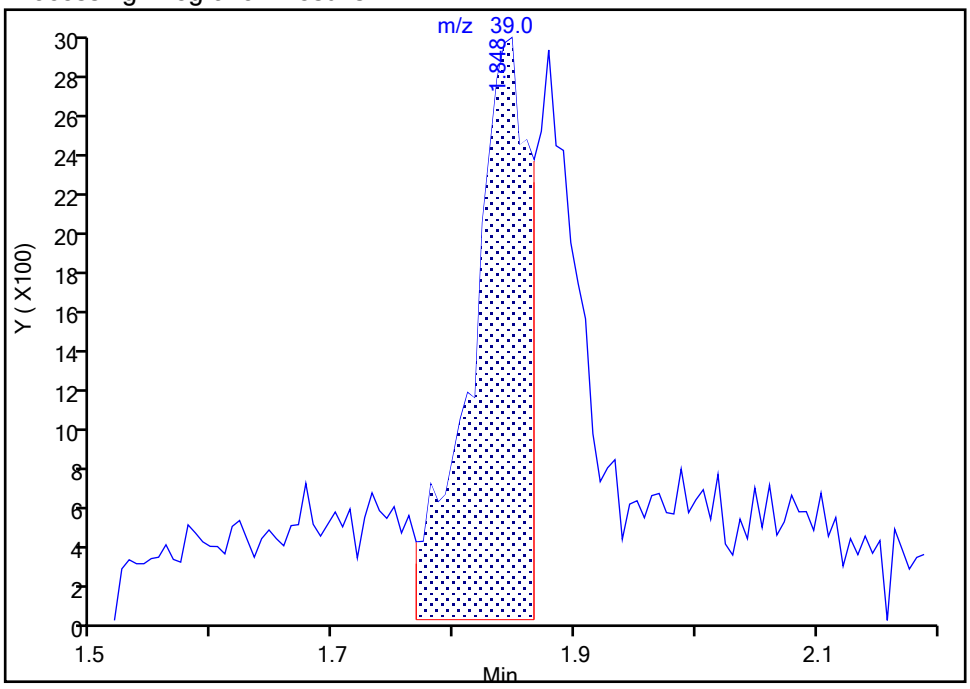
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D
Injection Date: 24-Feb-2025 19:07:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

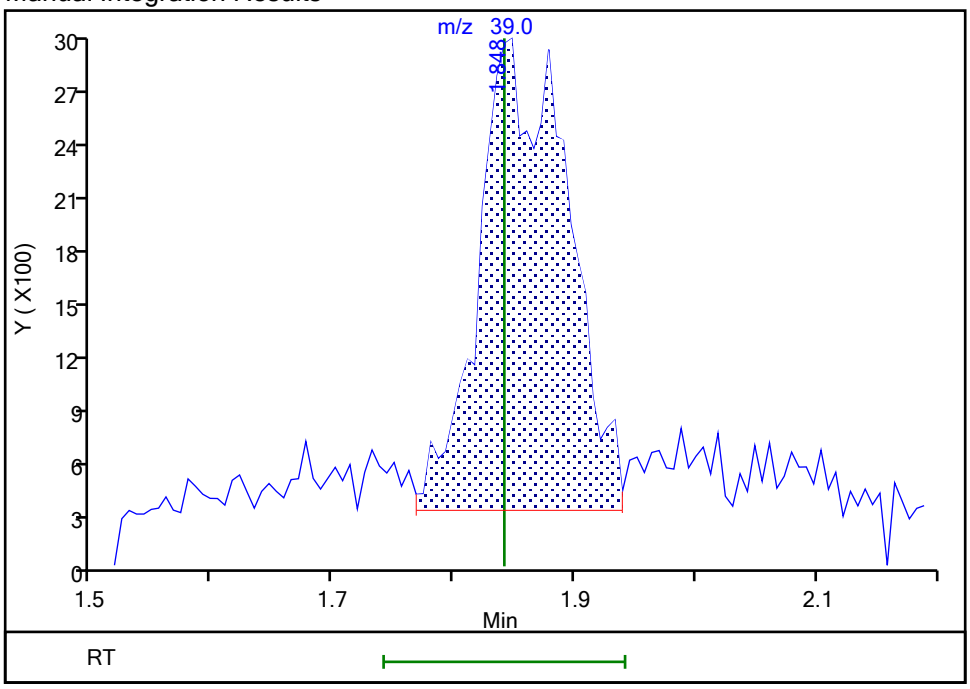
Processing Integration Results

RT: 1.85
Area: 9887
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.85
Area: 13552
Amount: 1.075687
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:26:45 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

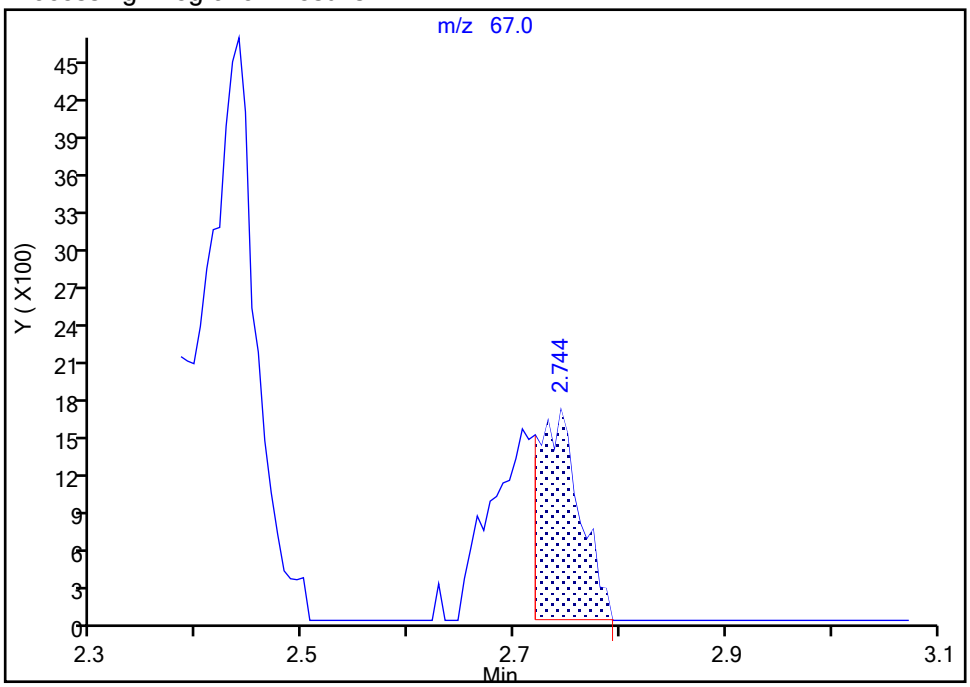
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D
Injection Date: 24-Feb-2025 19:07:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

15 1,2-Dichloro-1,1,2-trifluoroetha, CAS: 354-23-4

Signal: 1

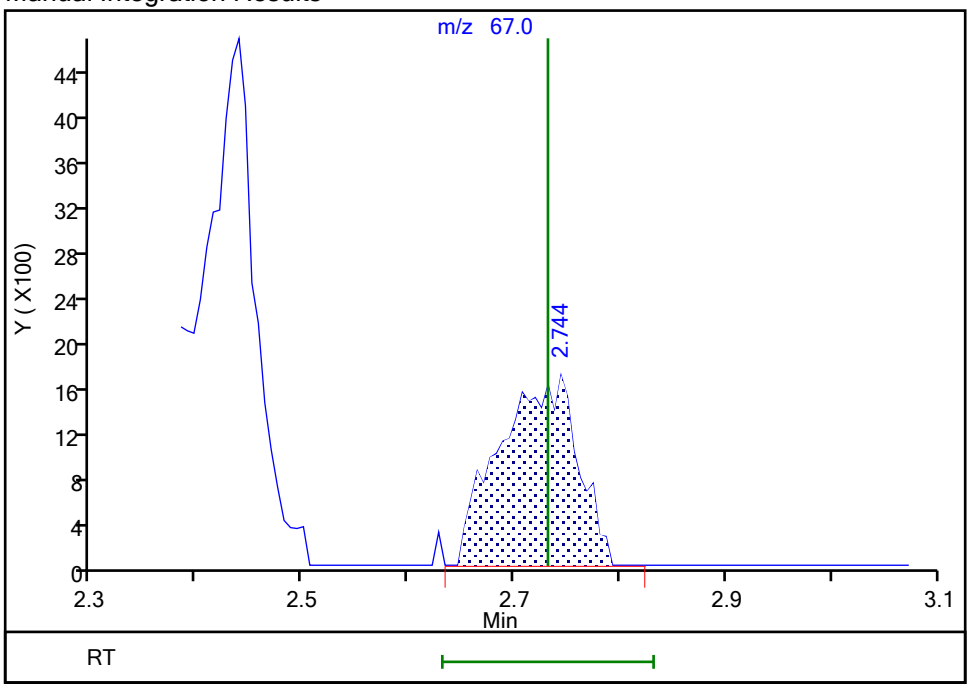
Processing Integration Results

RT: 2.74
Area: 4621
Amount: 0.519536
Amount Units: ug/l



Manual Integration Results

RT: 2.74
Area: 8596
Amount: 0.971098
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:37:50 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

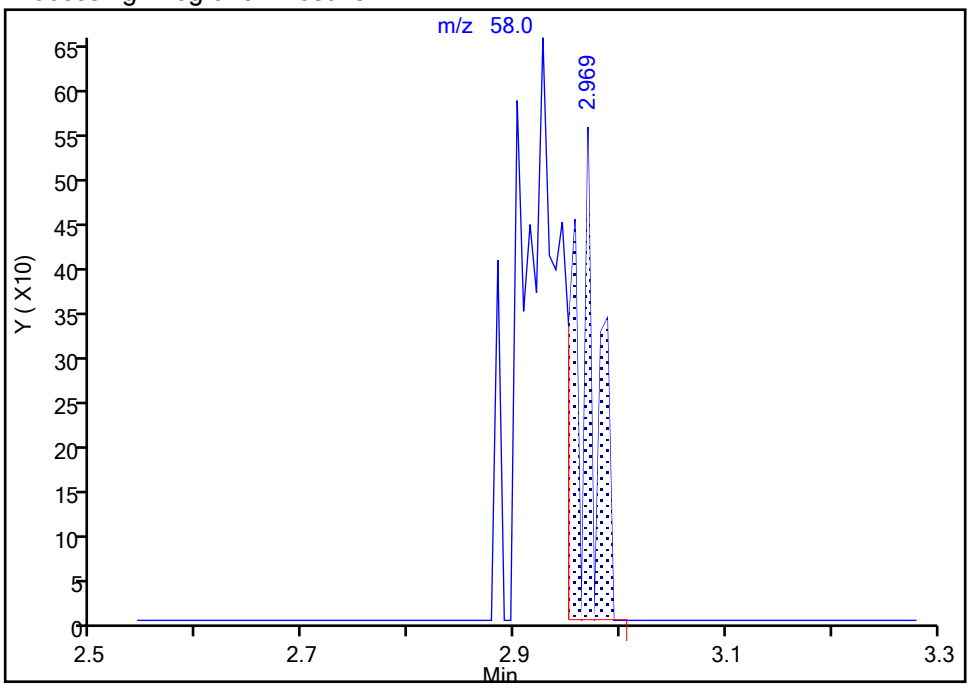
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D
Injection Date: 24-Feb-2025 19:07:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

18 Acetone, CAS: 67-64-1

Signal: 1

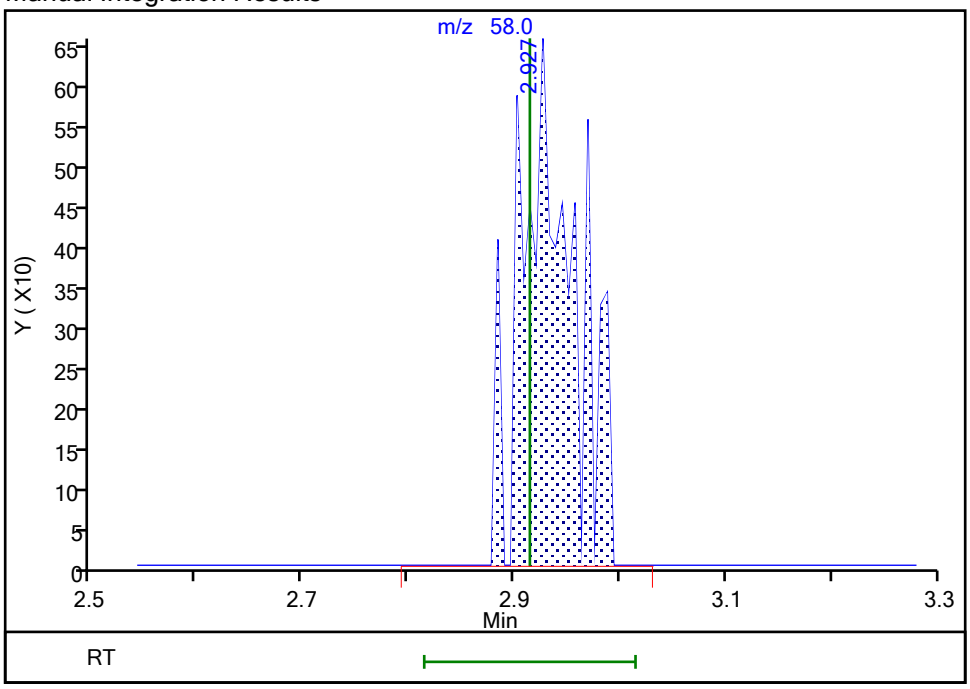
Processing Integration Results

RT: 2.97
Area: 734
Amount: 2.000000
Amount Units: ug/l



Manual Integration Results

RT: 2.93
Area: 2225
Amount: 1.941113
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:27:23 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

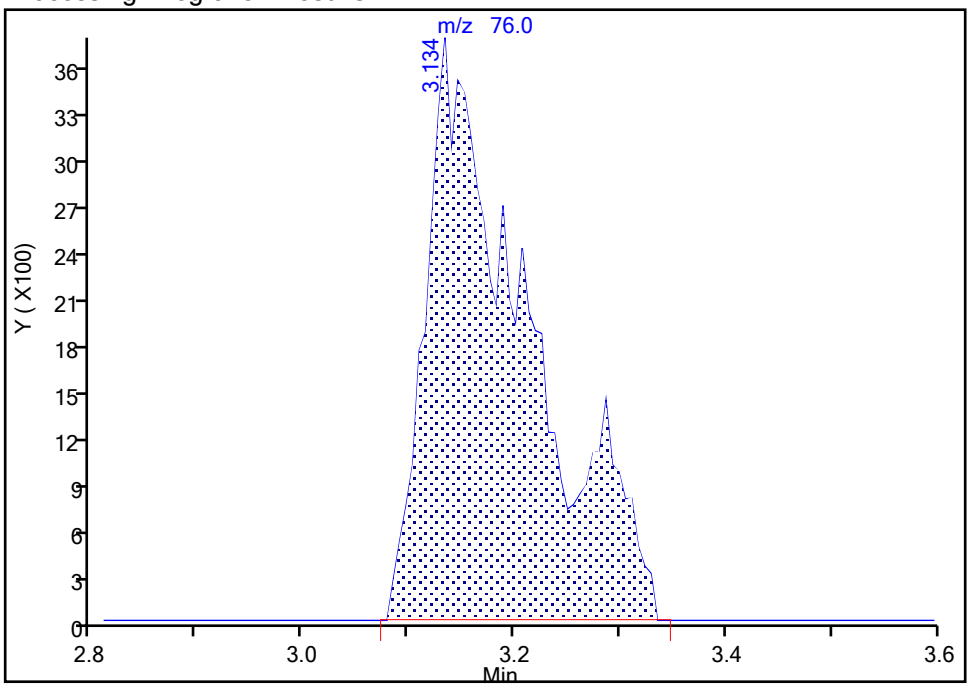
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D
Injection Date: 24-Feb-2025 19:07:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

22 Carbon disulfide, CAS: 75-15-0

Signal: 1

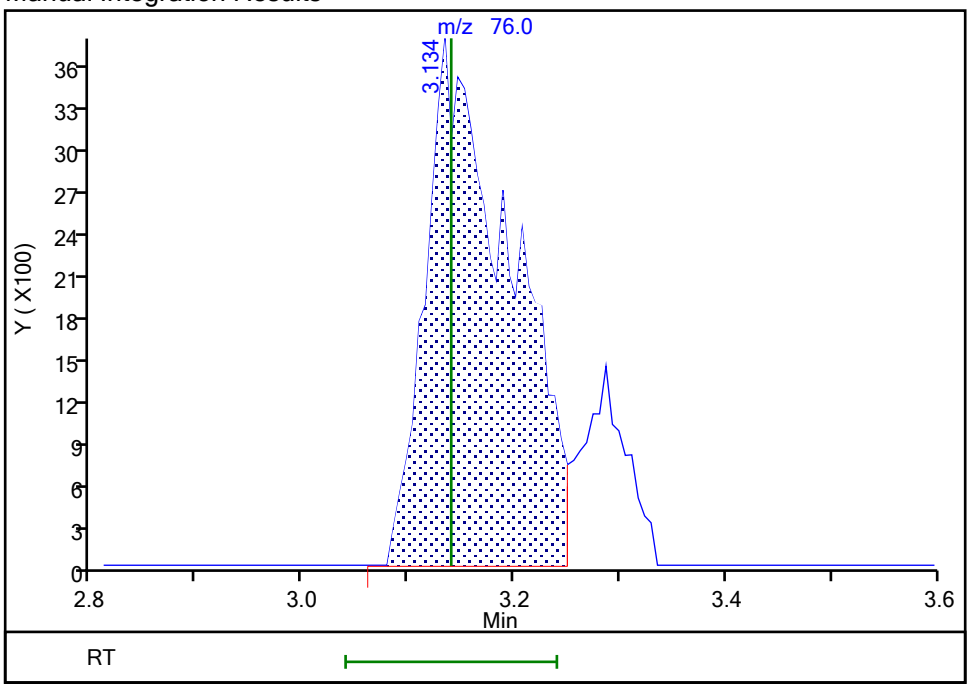
Processing Integration Results

RT: 3.13
Area: 24478
Amount: 0.983124
Amount Units: ug/l



Manual Integration Results

RT: 3.13
Area: 20621
Amount: 0.946577
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:38:32 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

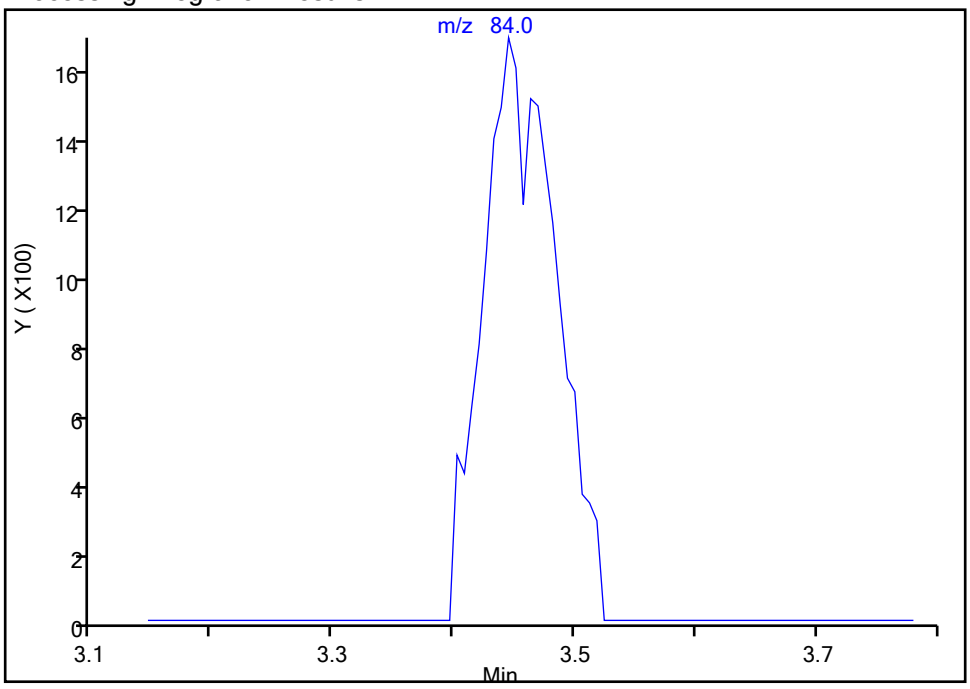
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D
Injection Date: 24-Feb-2025 19:07:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

26 Methylene Chloride, CAS: 75-09-2

Signal: 1

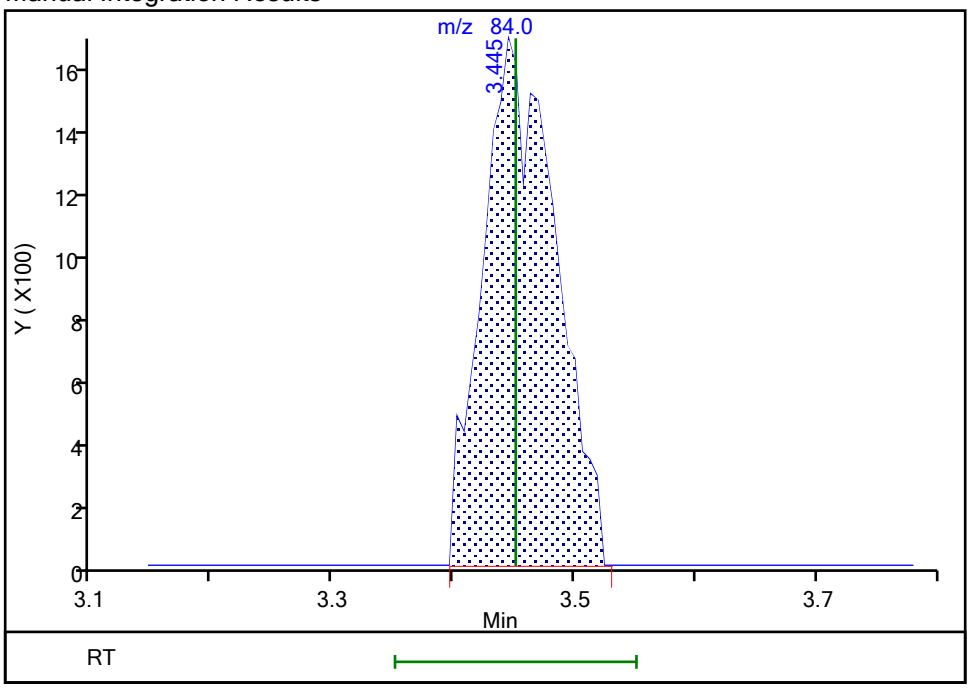
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.45
Area: 7071
Amount: 1.082438
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:27:32 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

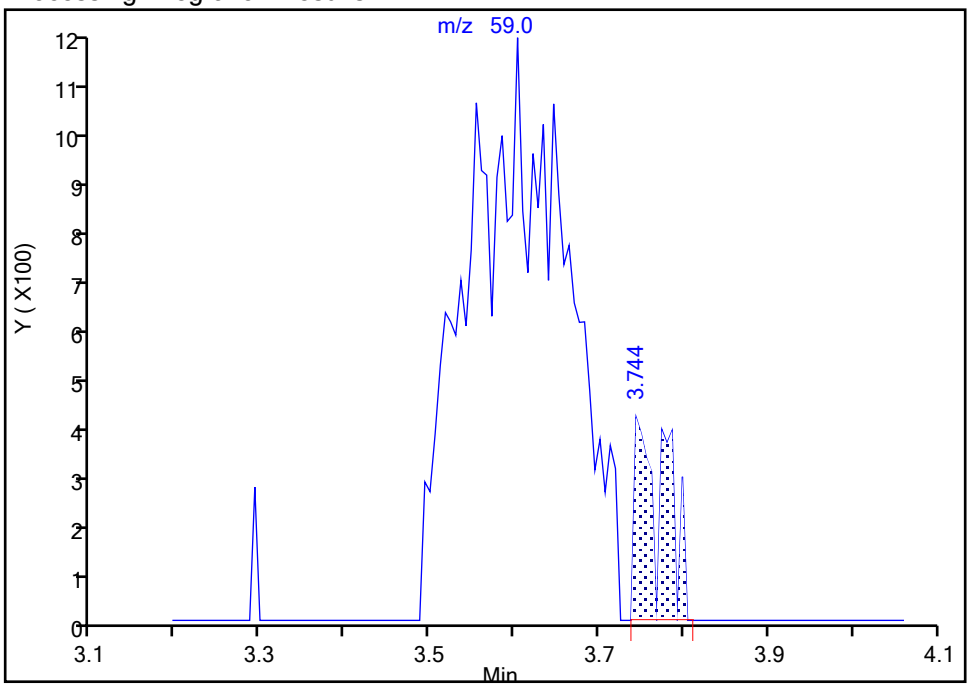
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D
Injection Date: 24-Feb-2025 19:07:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

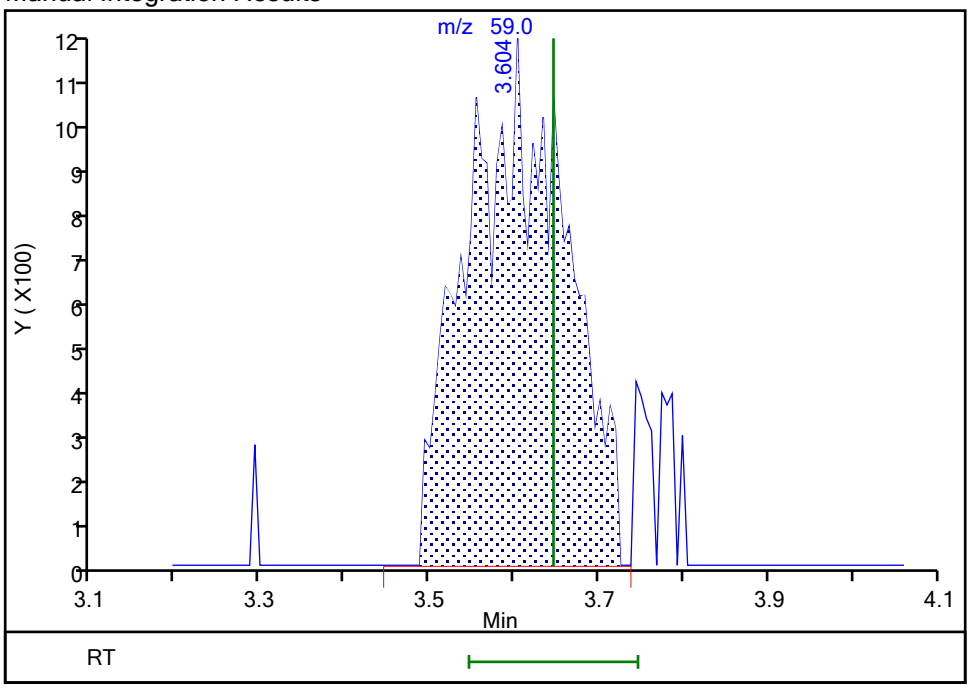
Processing Integration Results

RT: 3.74
Area: 1001
Amount: 0.596526
Amount Units: ug/l



Manual Integration Results

RT: 3.60
Area: 9066
Amount: 5.586876
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:39:13 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

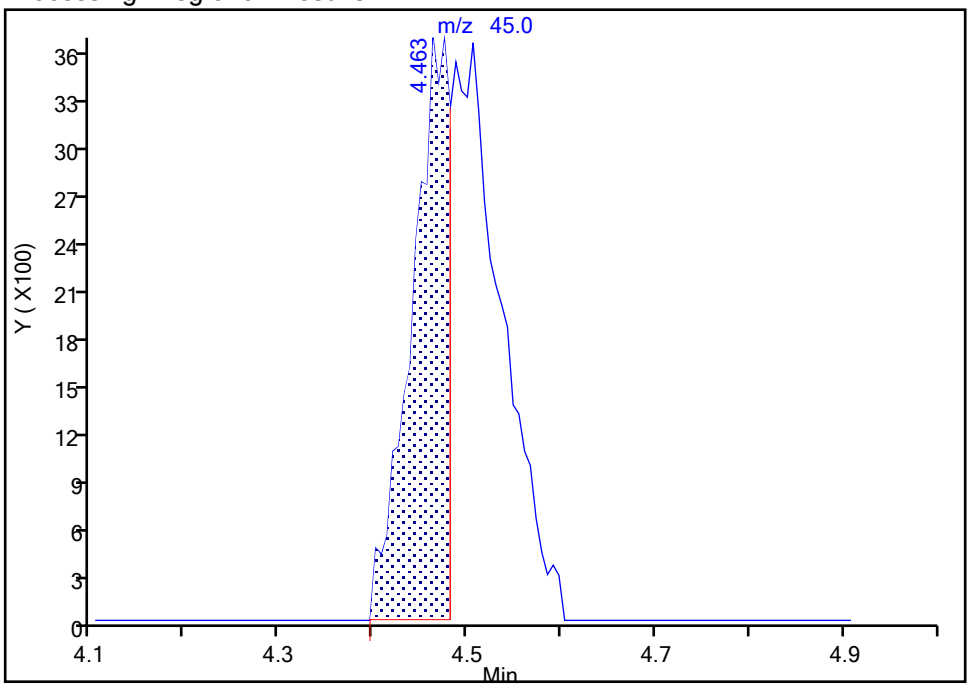
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D
Injection Date: 24-Feb-2025 19:07:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

36 Isopropyl ether, CAS: 108-20-3

Signal: 1

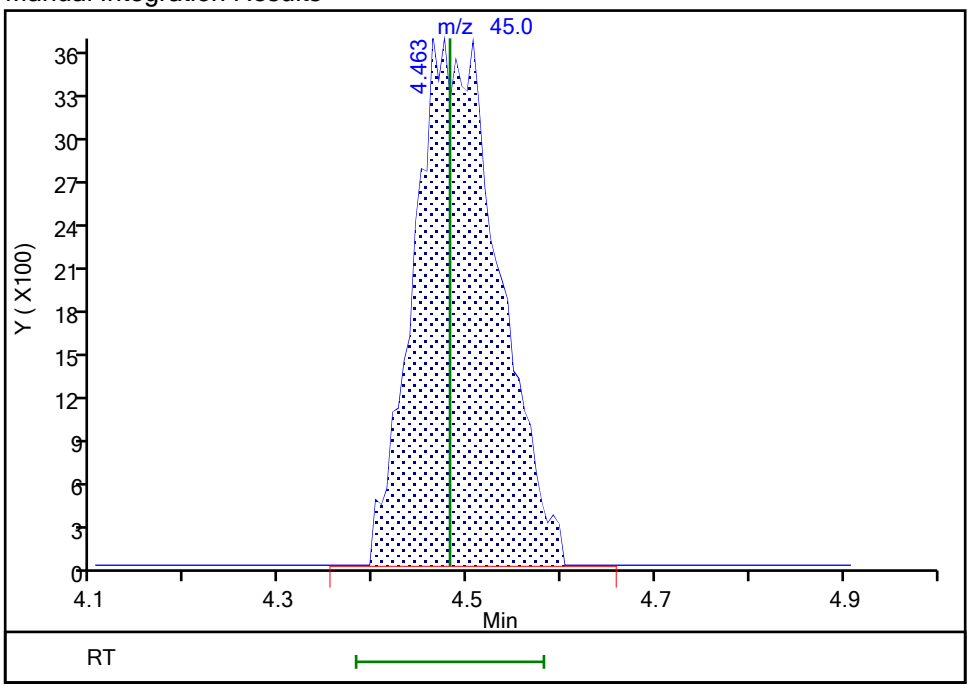
Processing Integration Results

RT: 4.46
Area: 10419
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 4.46
Area: 23096
Amount: 1.071410
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:27:44 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

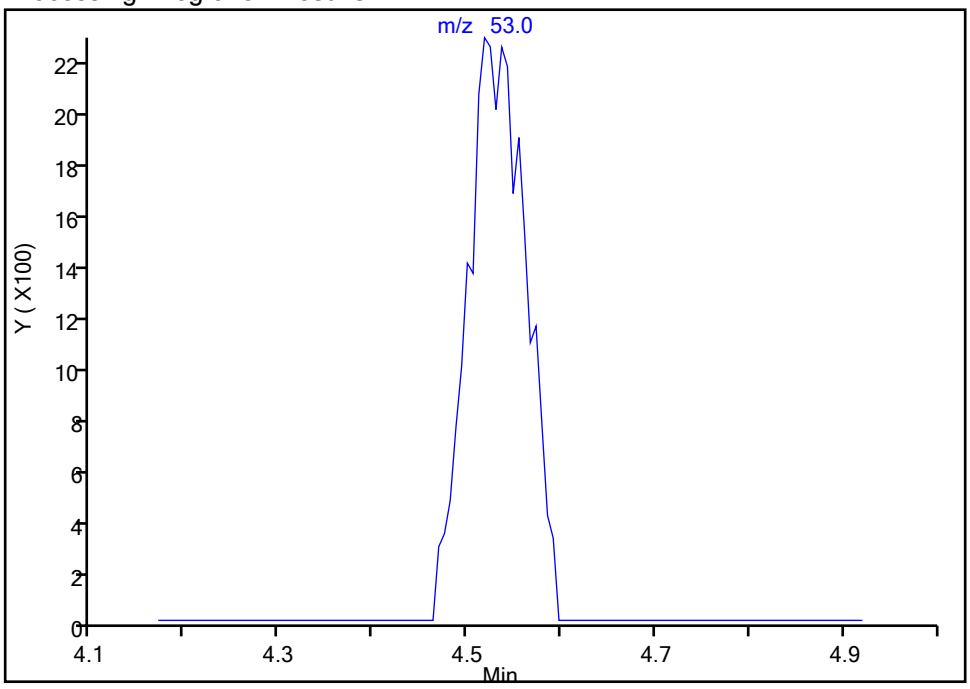
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D
Injection Date: 24-Feb-2025 19:07:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

37 2-Chloro-1,3-butadiene, CAS: 126-99-8

Signal: 1

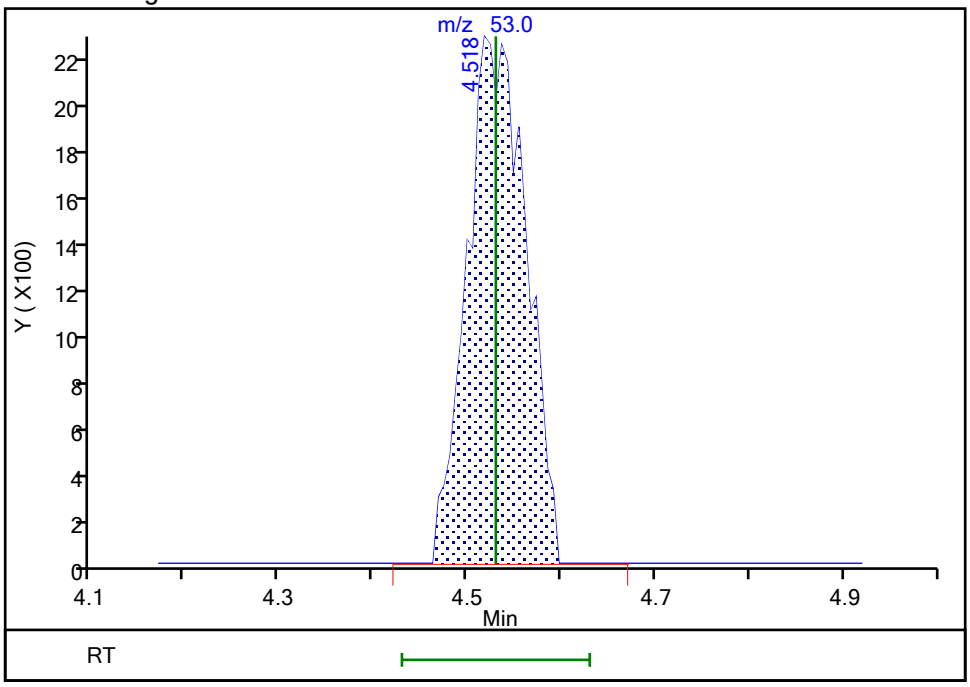
Not Detected
Expected RT: 4.53

Processing Integration Results



Manual Integration Results

RT: 4.52
Area: 9984
Amount: 1.009440
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:27:52 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

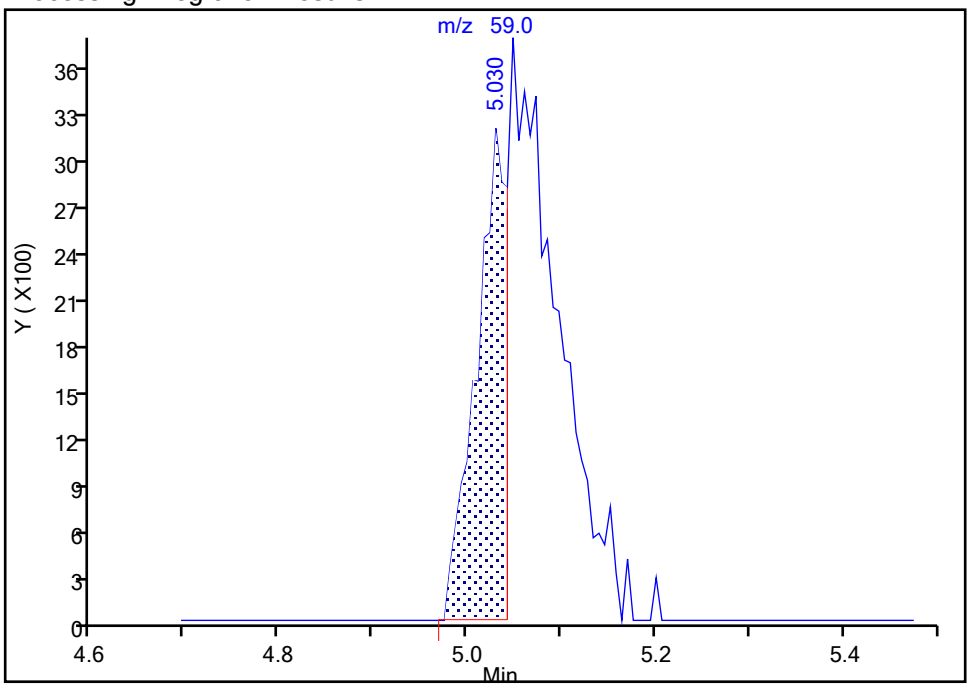
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D
Injection Date: 24-Feb-2025 19:07:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

38 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

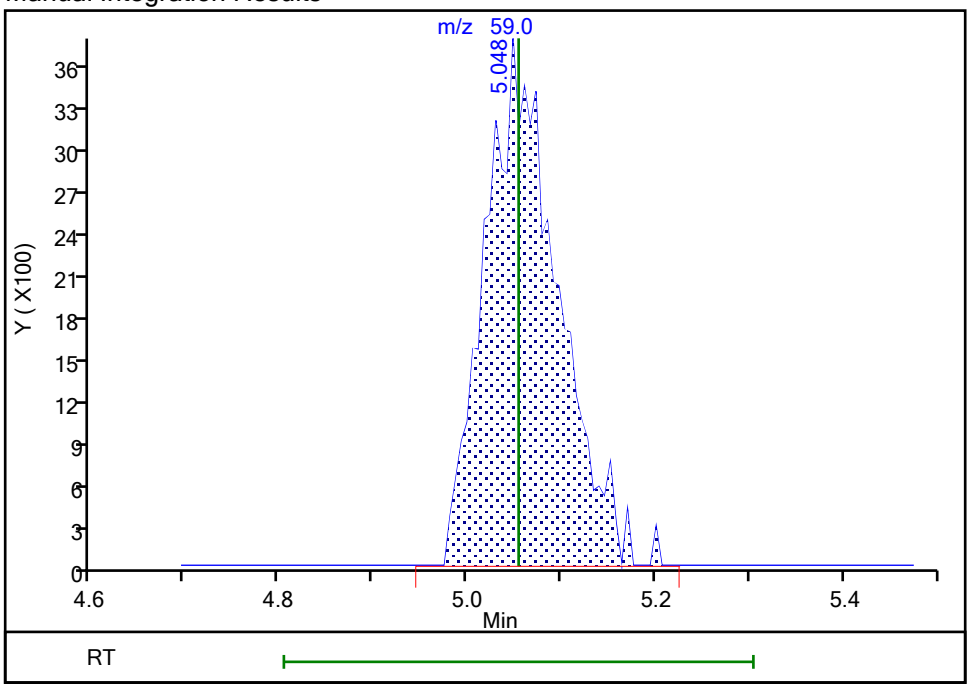
Processing Integration Results

RT: 5.03
Area: 7290
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 5.05
Area: 20362
Amount: 1.040614
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:27:57 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

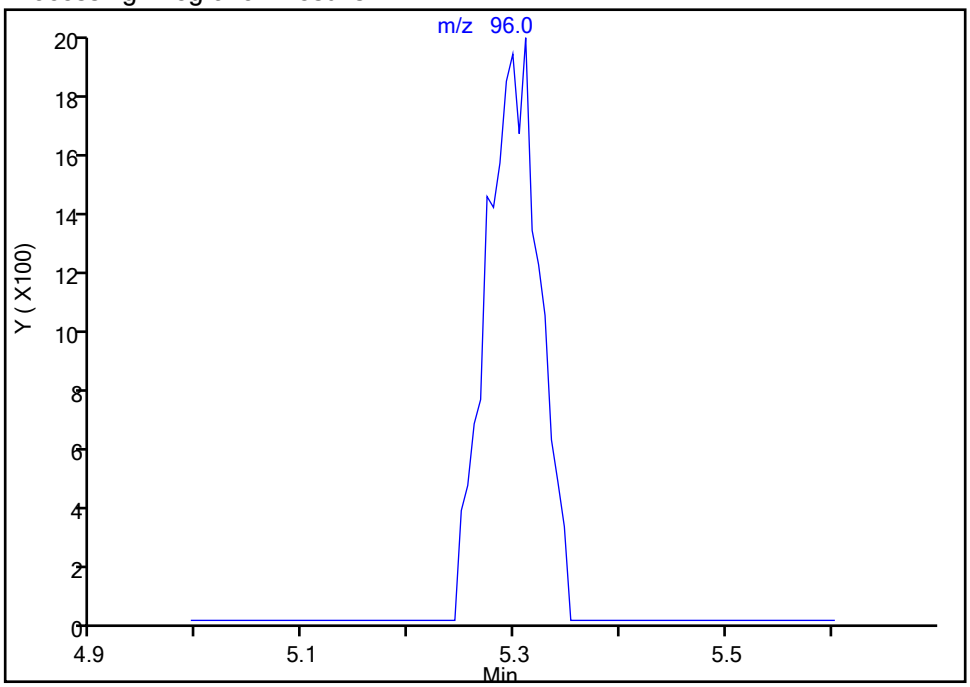
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D
Injection Date: 24-Feb-2025 19:07:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

40 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

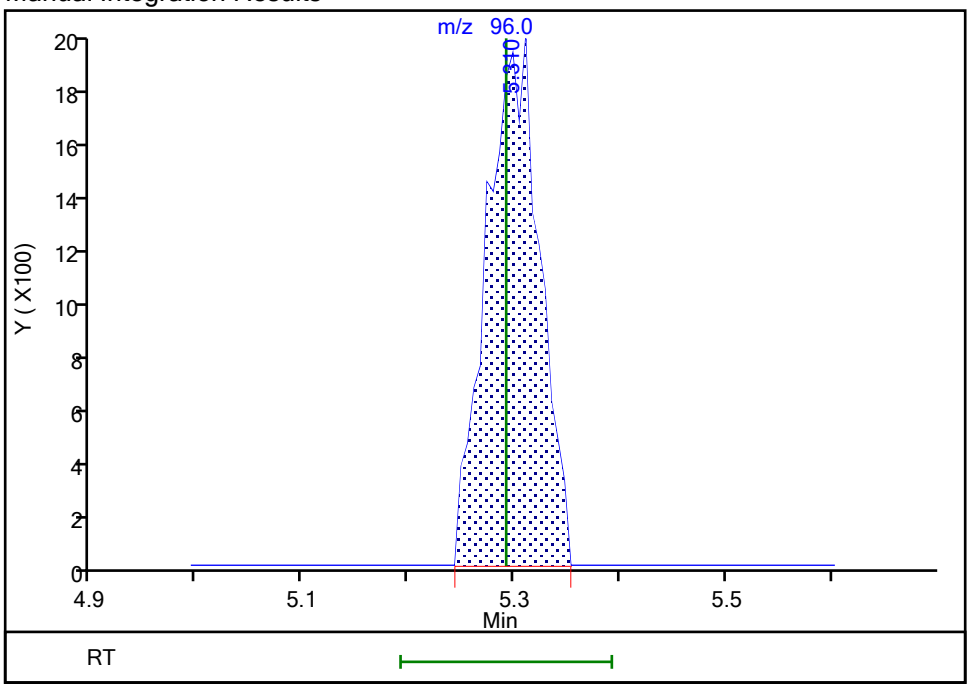
Not Detected
Expected RT: 5.29

Processing Integration Results



Manual Integration Results

RT: 5.31
Area: 7006
Amount: 1.037349
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:28:05 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

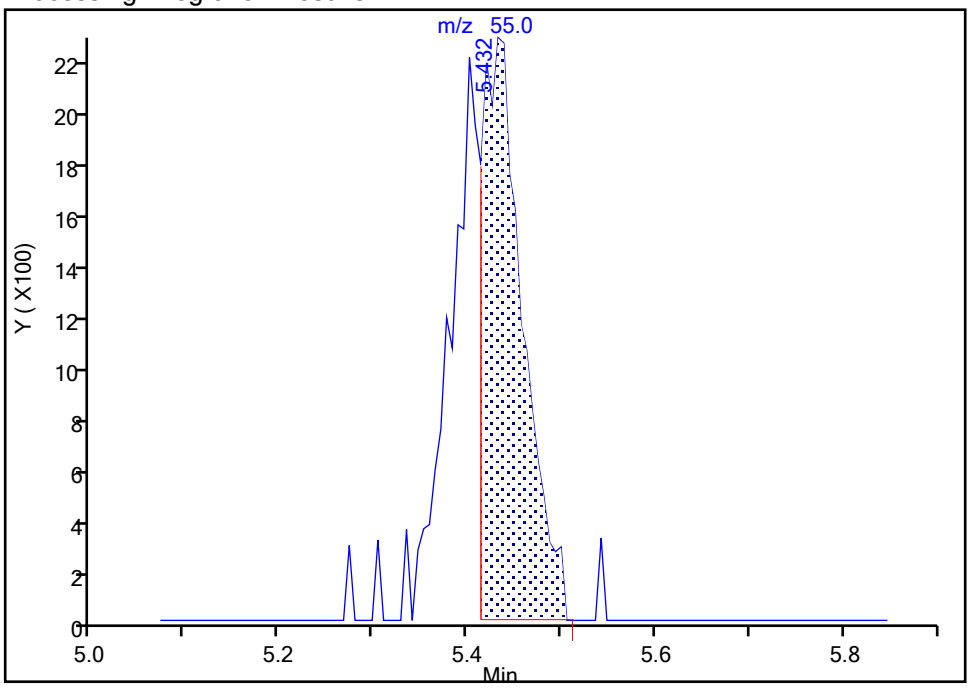
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D
Injection Date: 24-Feb-2025 19:07:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

44 Methyl acrylate, CAS: 96-33-3

Signal: 1

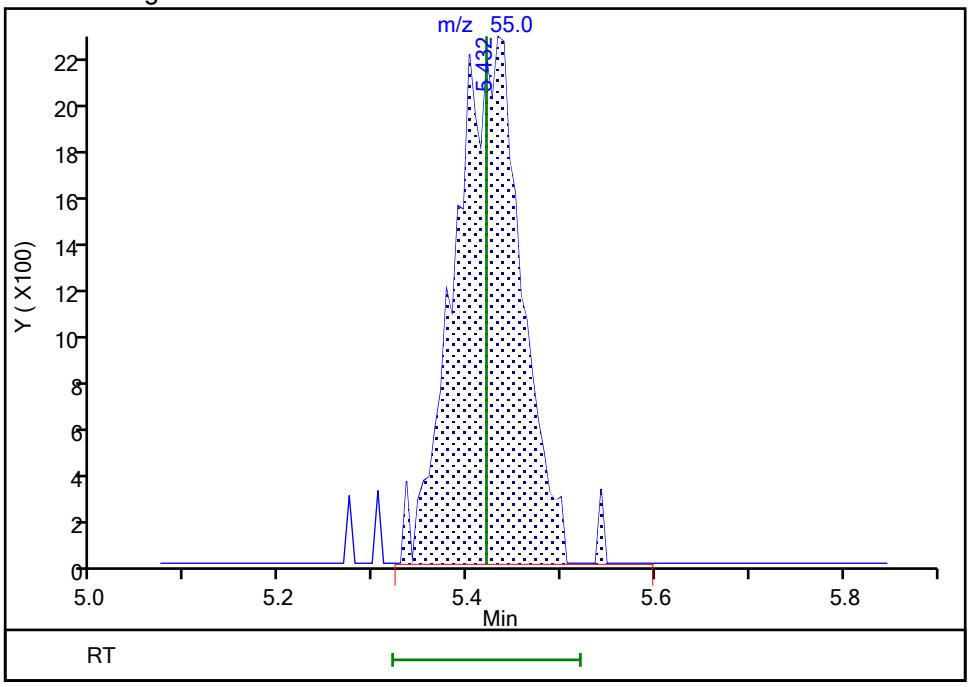
Processing Integration Results

RT: 5.43
Area: 6787
Amount: 1.000186
Amount Units: ug/l



Manual Integration Results

RT: 5.43
Area: 11287
Amount: 1.164958
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:28:13 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

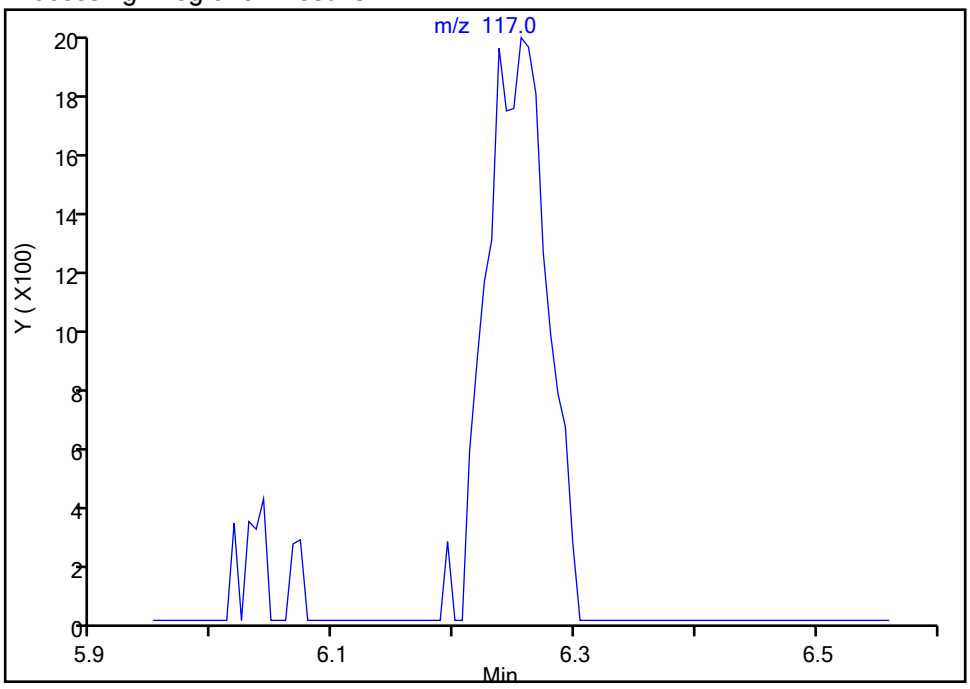
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D
Injection Date: 24-Feb-2025 19:07:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

52 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

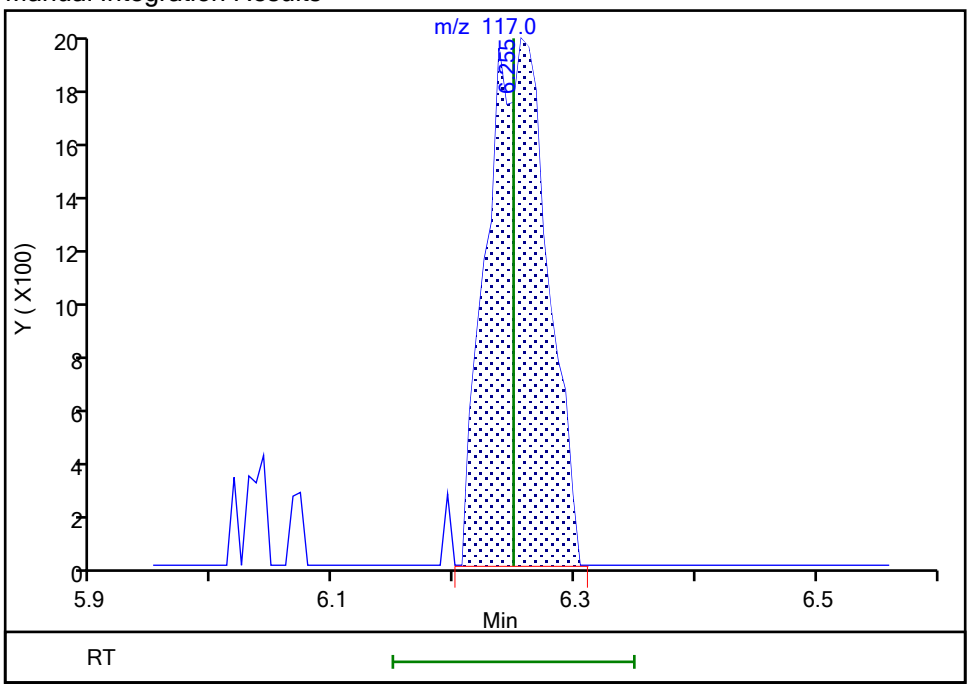
Not Detected
Expected RT: 6.25

Processing Integration Results



Manual Integration Results

RT: 6.26
Area: 6915
Amount: 0.899389
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:28:20 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

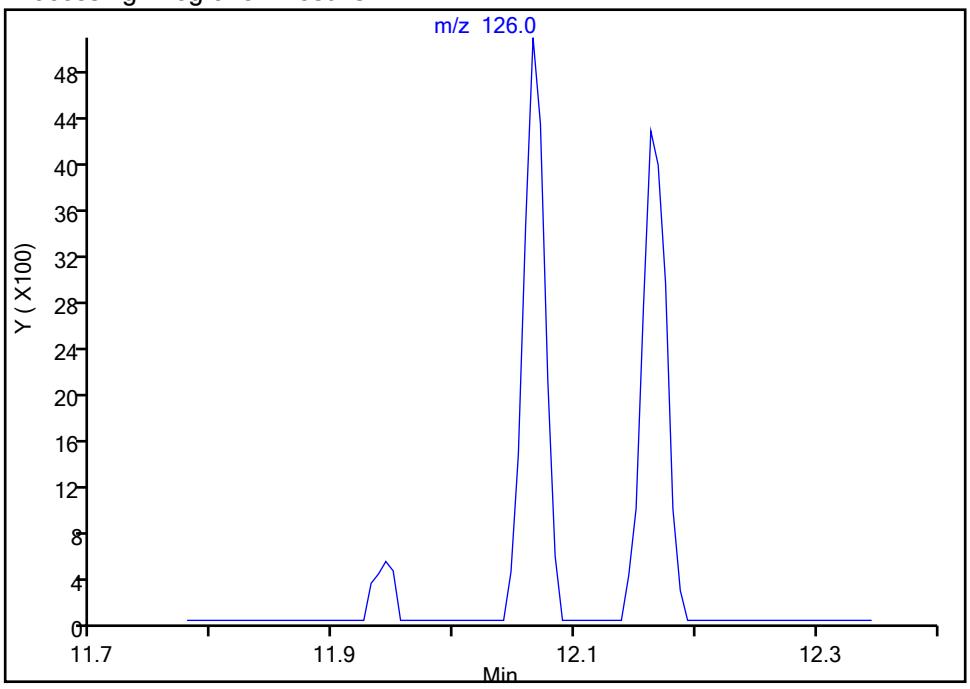
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D
Injection Date: 24-Feb-2025 19:07:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

148 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

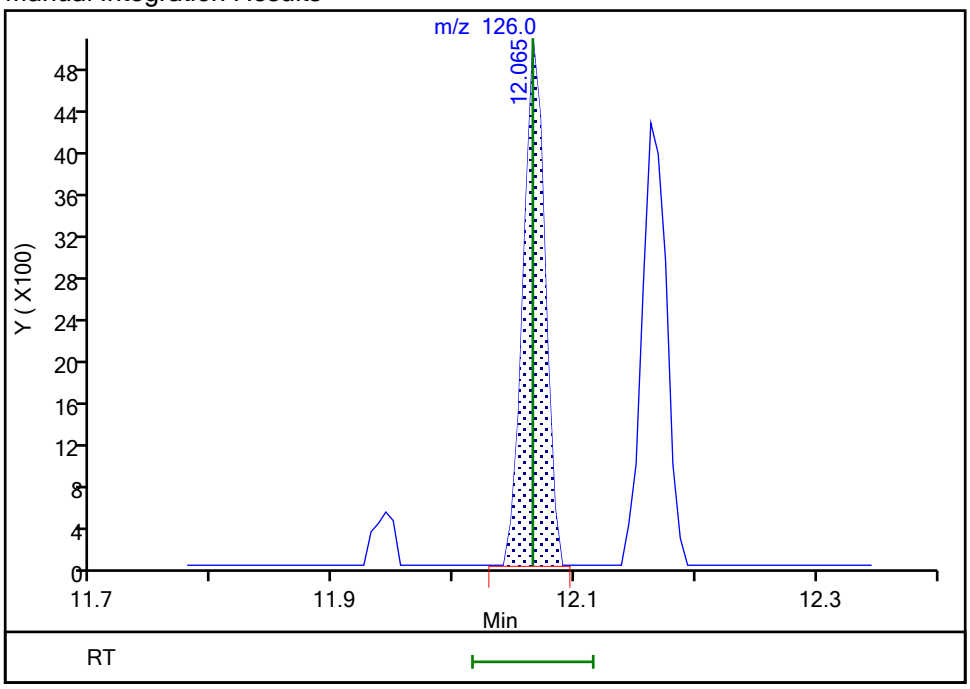
Not Detected
Expected RT: 12.07

Processing Integration Results



Manual Integration Results

RT: 12.07
Area: 6333
Amount: 0.936952
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:41:02 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

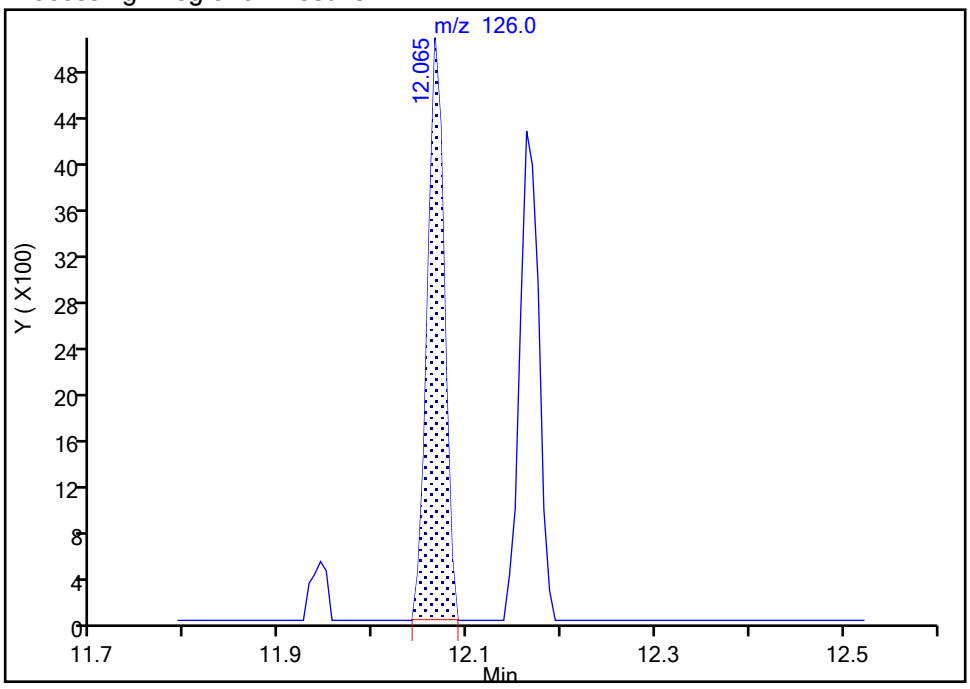
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D
Injection Date: 24-Feb-2025 19:07:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

150 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

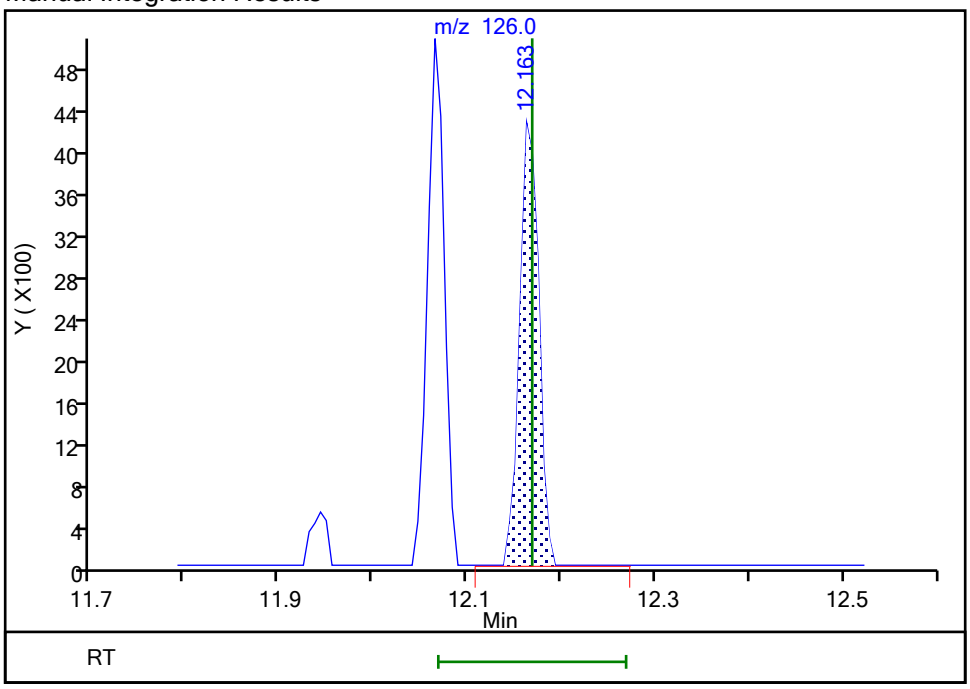
Processing Integration Results

RT: 12.07
Area: 6332
Amount: 0.959580
Amount Units: ug/l



Manual Integration Results

RT: 12.16
Area: 6013
Amount: 0.931921
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:41:13 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

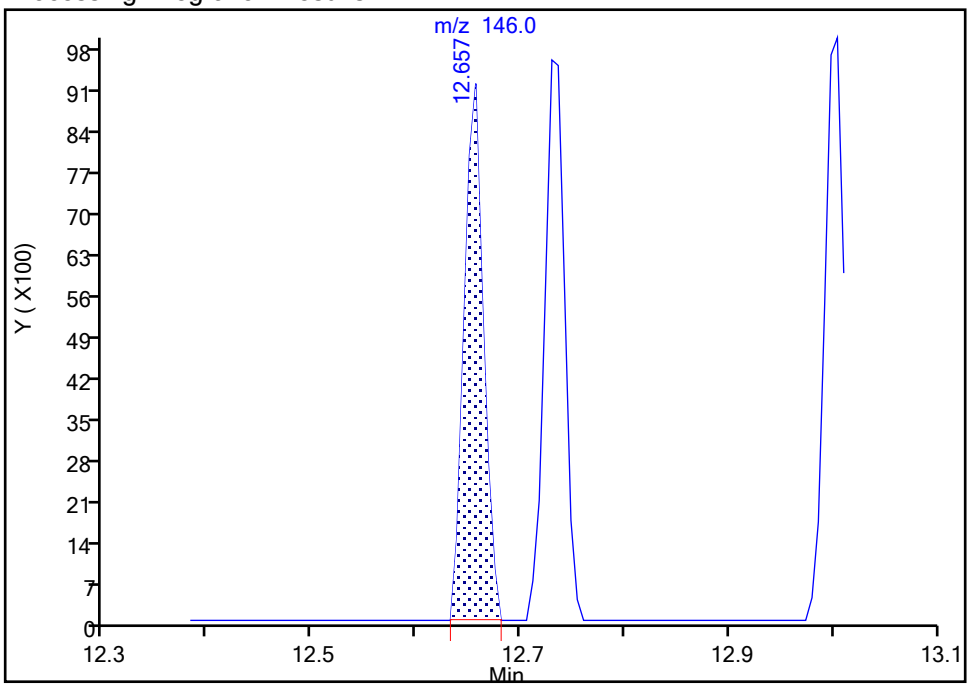
Data File:	\\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D				
Injection Date:	24-Feb-2025 19:07:30	Instrument ID:	26285		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

159 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

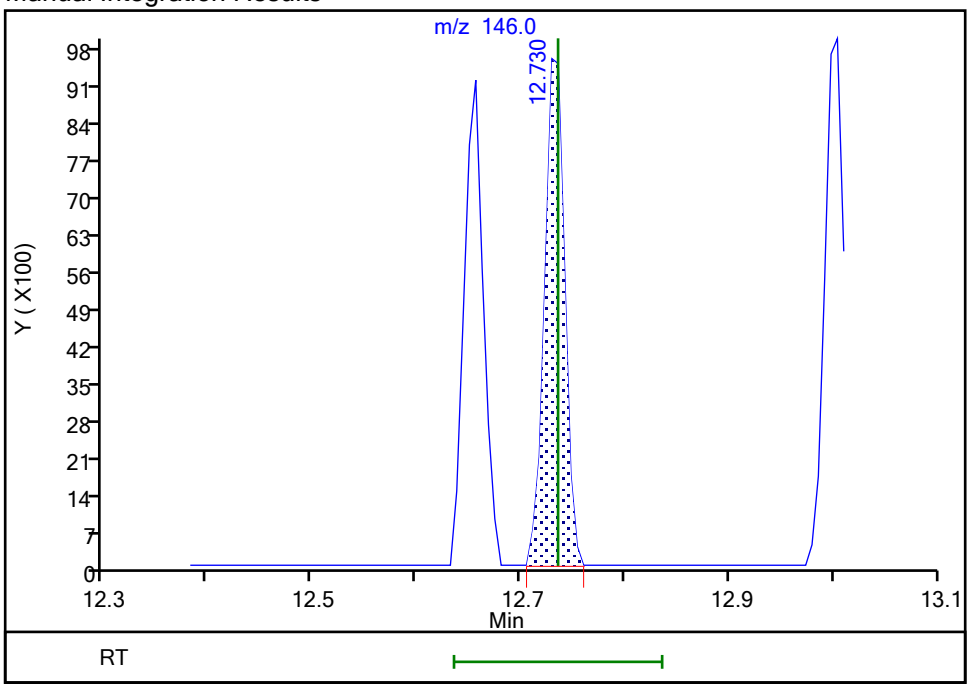
Processing Integration Results

RT: 12.66
Area: 11769
Amount: 0.967664
Amount Units: ug/l



Manual Integration Results

RT: 12.73
Area: 12819
Amount: 1.012009
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:40:58 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

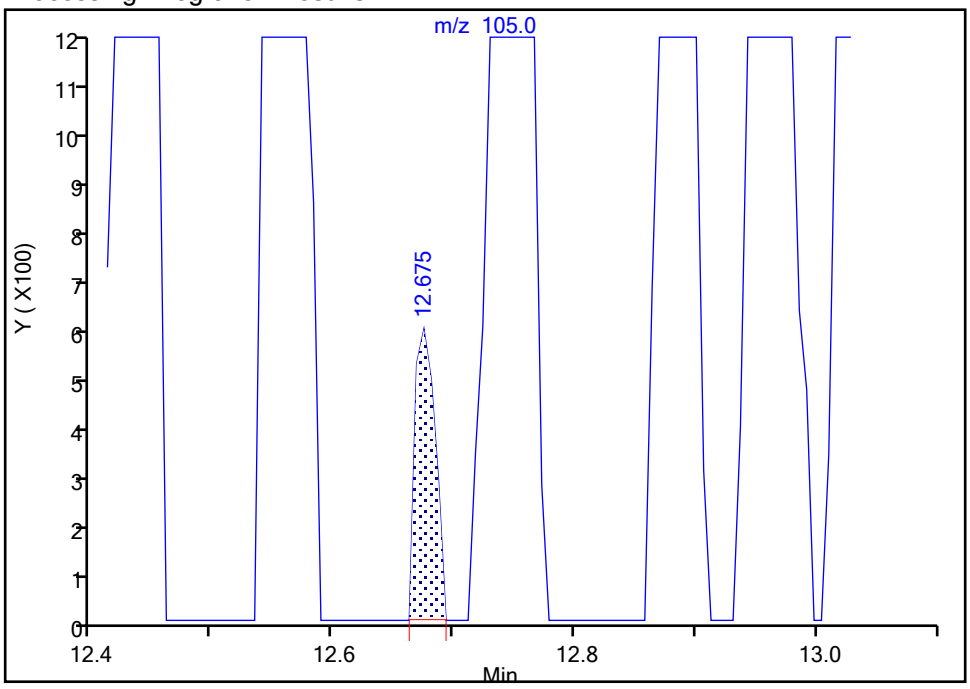
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D
Injection Date: 24-Feb-2025 19:07:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

160 1,2,3-Trimethylbenzene, CAS: 526-73-8

Signal: 1

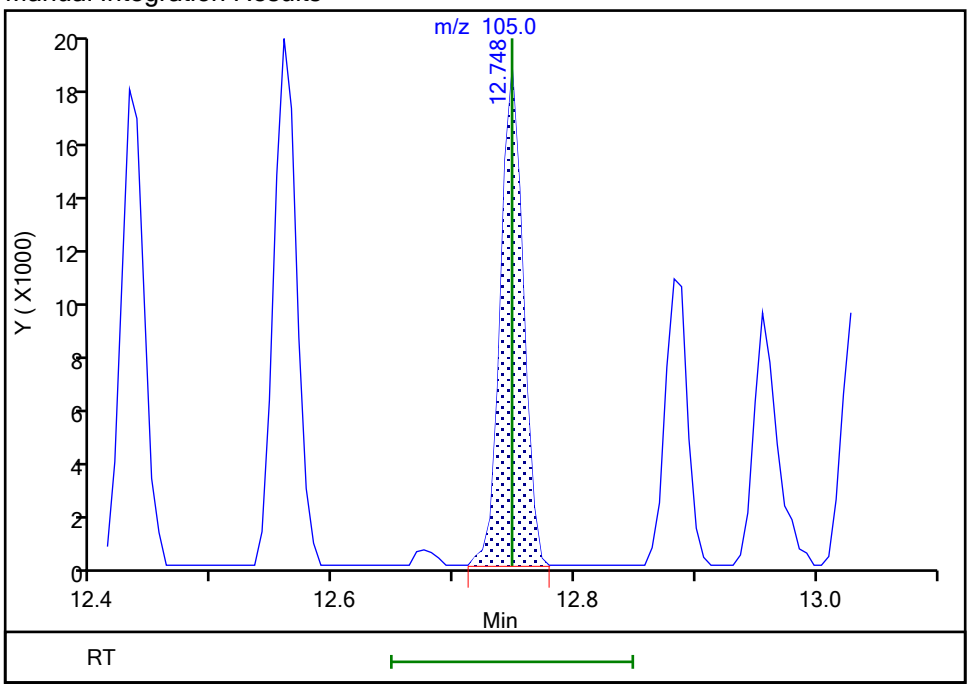
Processing Integration Results

RT: 12.67
Area: 653
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 12.75
Area: 23706
Amount: 0.942718
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:29:01 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

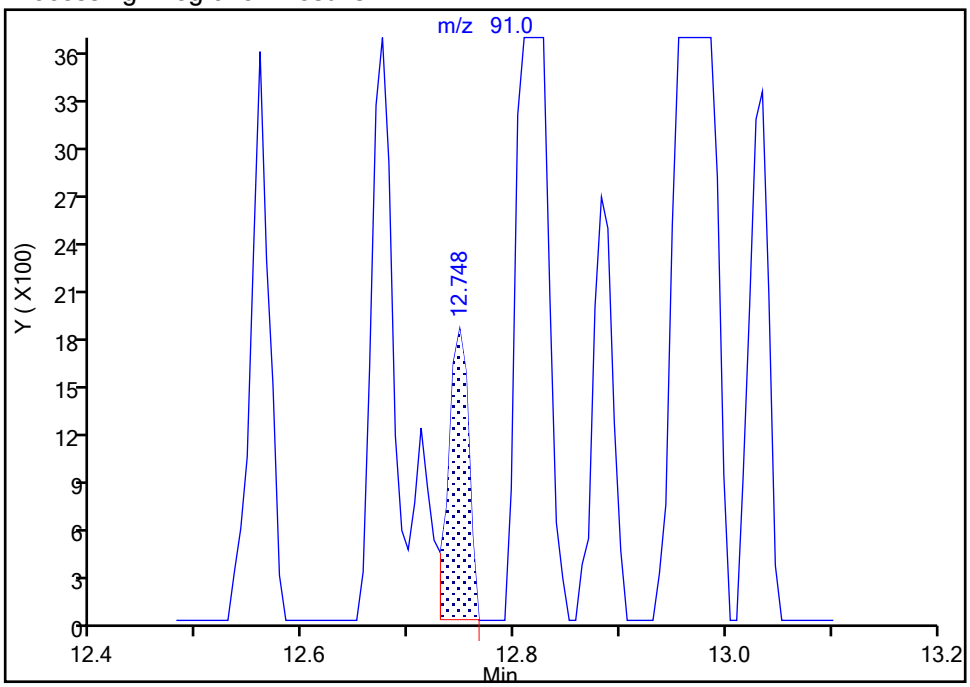
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D
Injection Date: 24-Feb-2025 19:07:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

164 Benzyl chloride, CAS: 100-44-7

Signal: 1

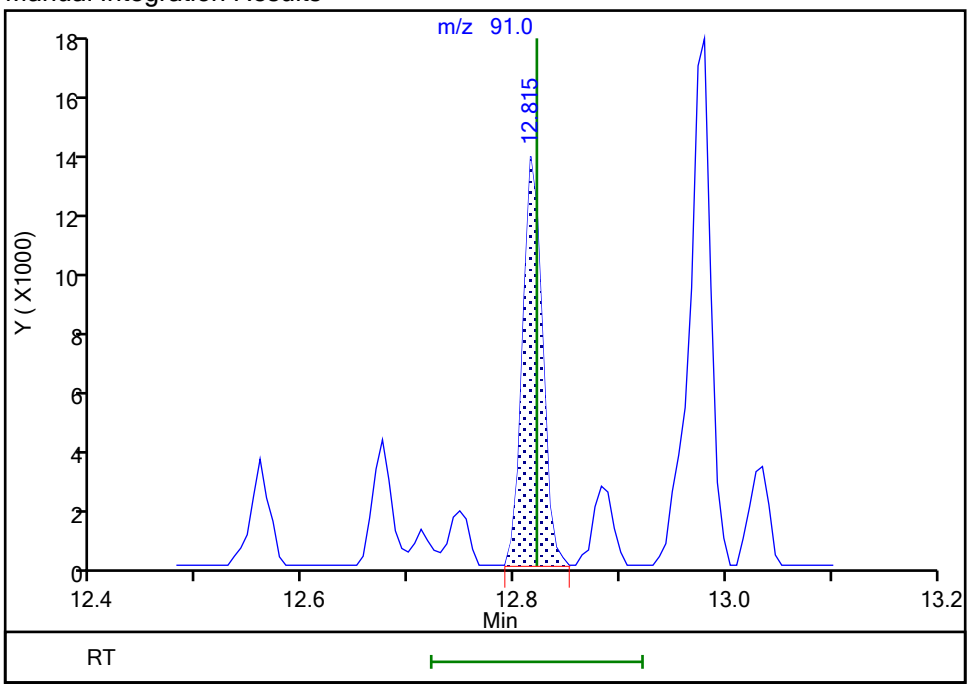
Processing Integration Results

RT: 12.75
Area: 2432
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 12.82
Area: 17744
Amount: 0.921962
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:41:16 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

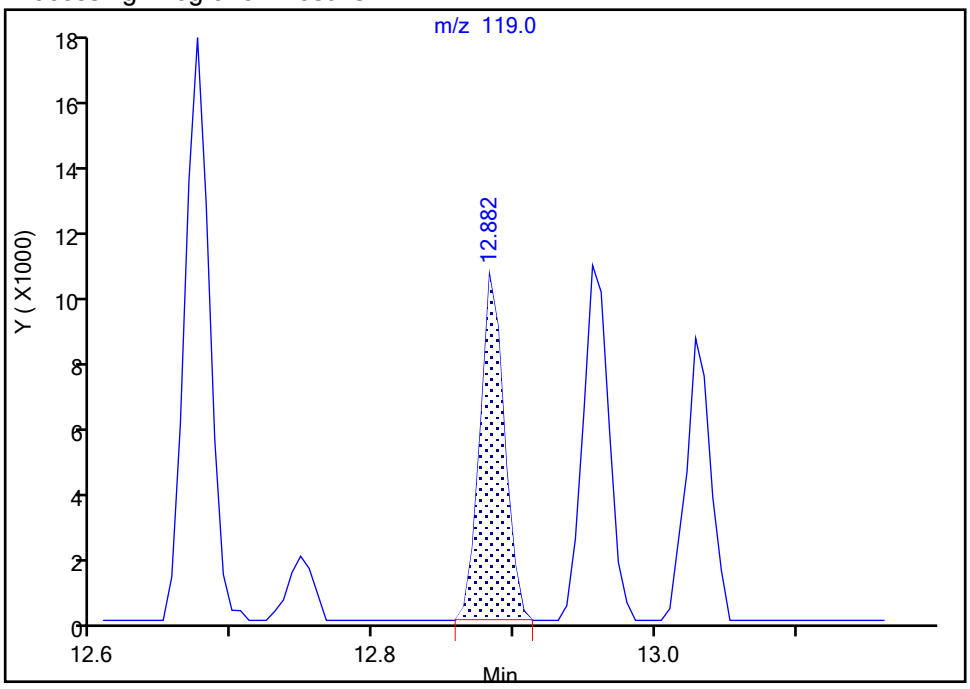
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D
Injection Date: 24-Feb-2025 19:07:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

165 1,3-Diethylbenzene, CAS: 141-93-5

Signal: 1

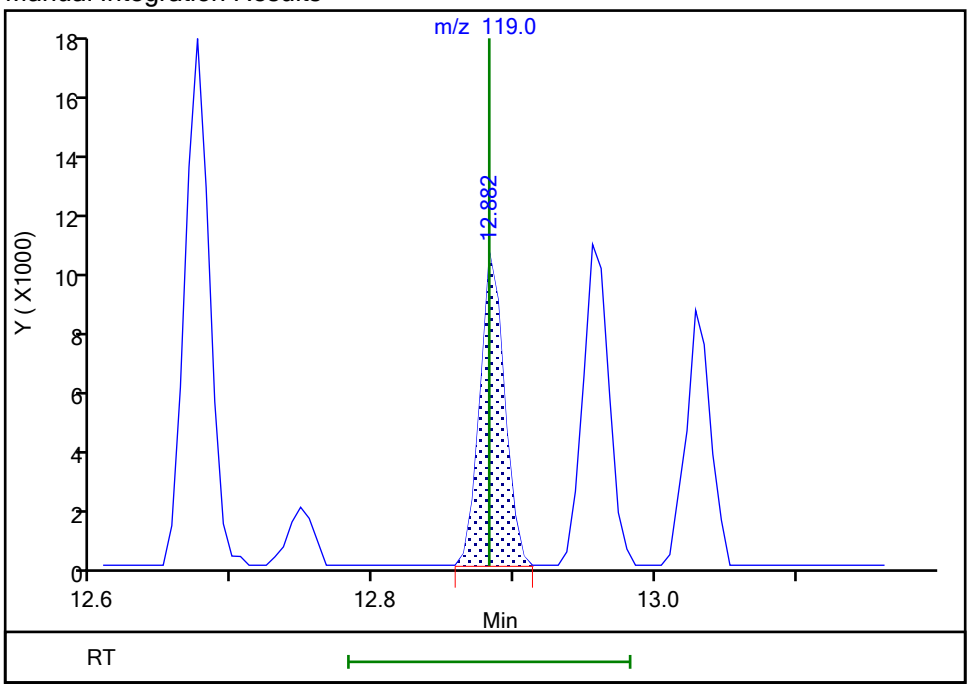
Processing Integration Results

RT: 12.88
Area: 12613
Amount: 1.000000
Amount Units: ug/l



Manual Integration Results

RT: 12.88
Area: 12613
Amount: 0.903426
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:41:43 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

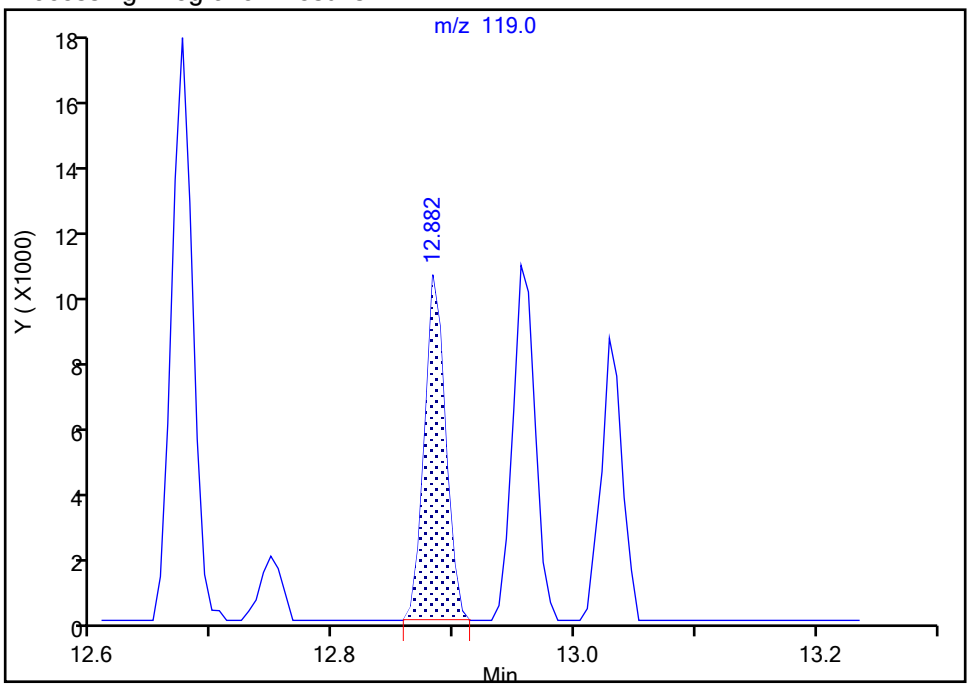
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D
Injection Date: 24-Feb-2025 19:07:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

166 p-Diethylbenzene, CAS: 105-05-5

Signal: 1

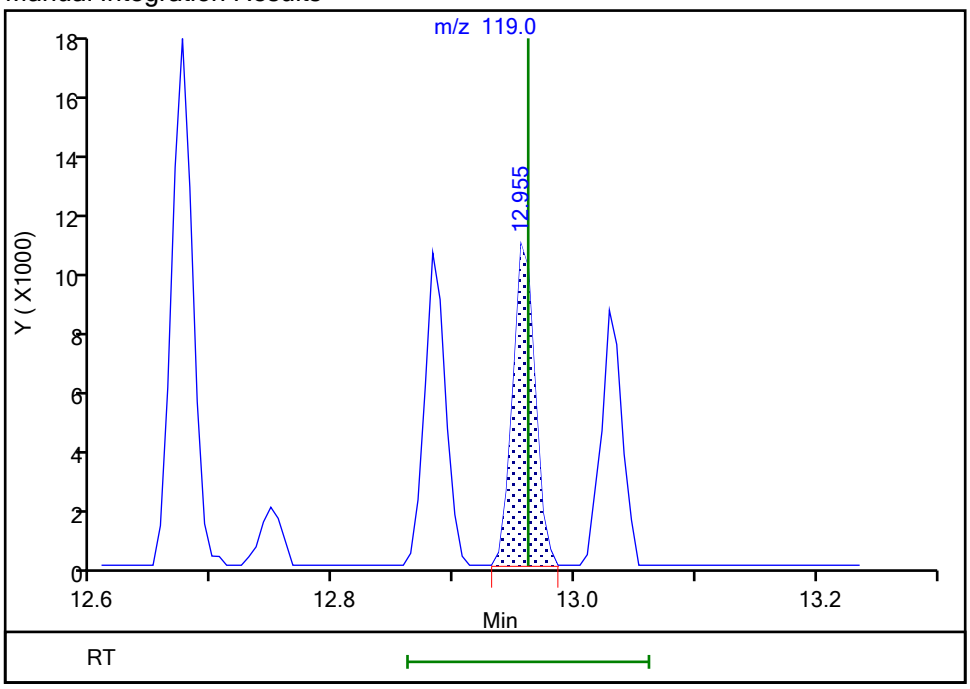
Processing Integration Results

RT: 12.88
Area: 12613
Amount: 0.960546
Amount Units: ug/l



Manual Integration Results

RT: 12.96
Area: 13833
Amount: 0.930956
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:42:01 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

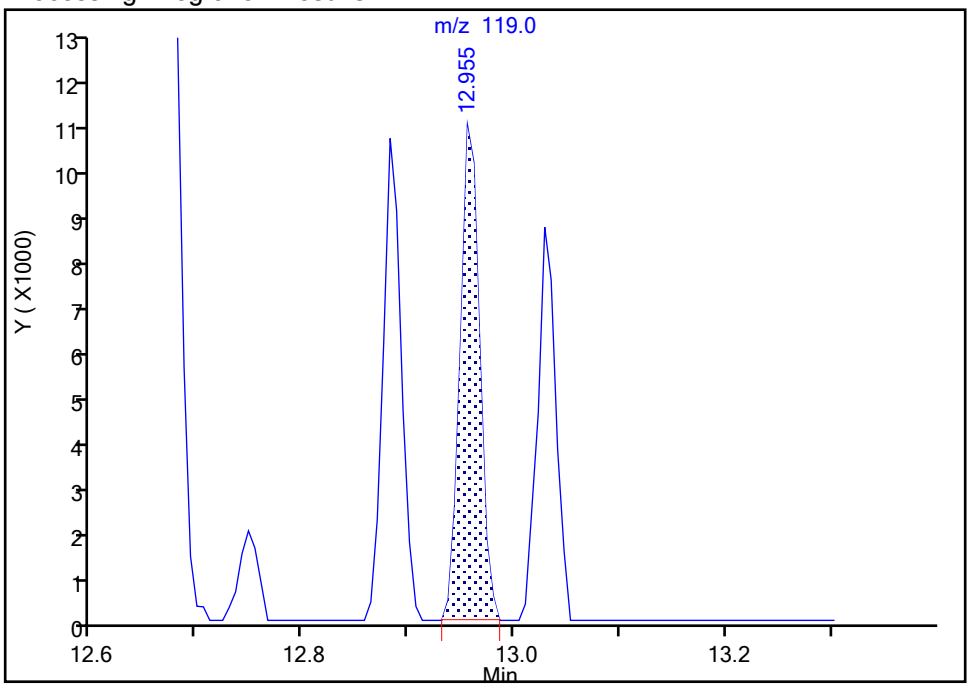
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D
Injection Date: 24-Feb-2025 19:07:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

169 o-diethylbenzene, CAS: 135-01-3

Signal: 1

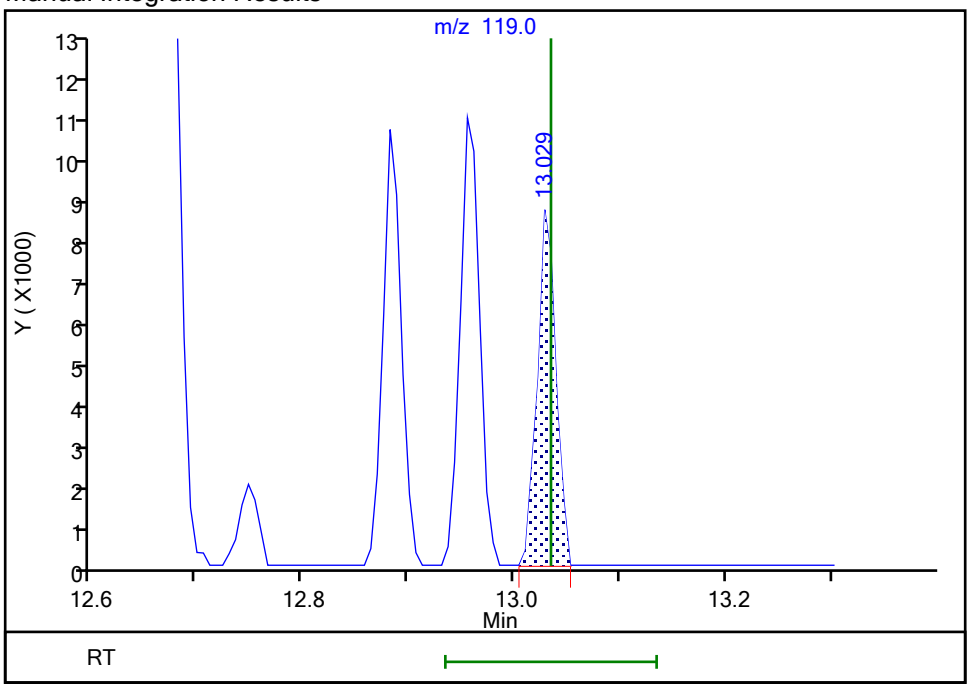
Processing Integration Results

RT: 12.96
Area: 13833
Amount: 0.968504
Amount Units: ug/l



Manual Integration Results

RT: 13.03
Area: 10383
Amount: 0.895786
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:42:32 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

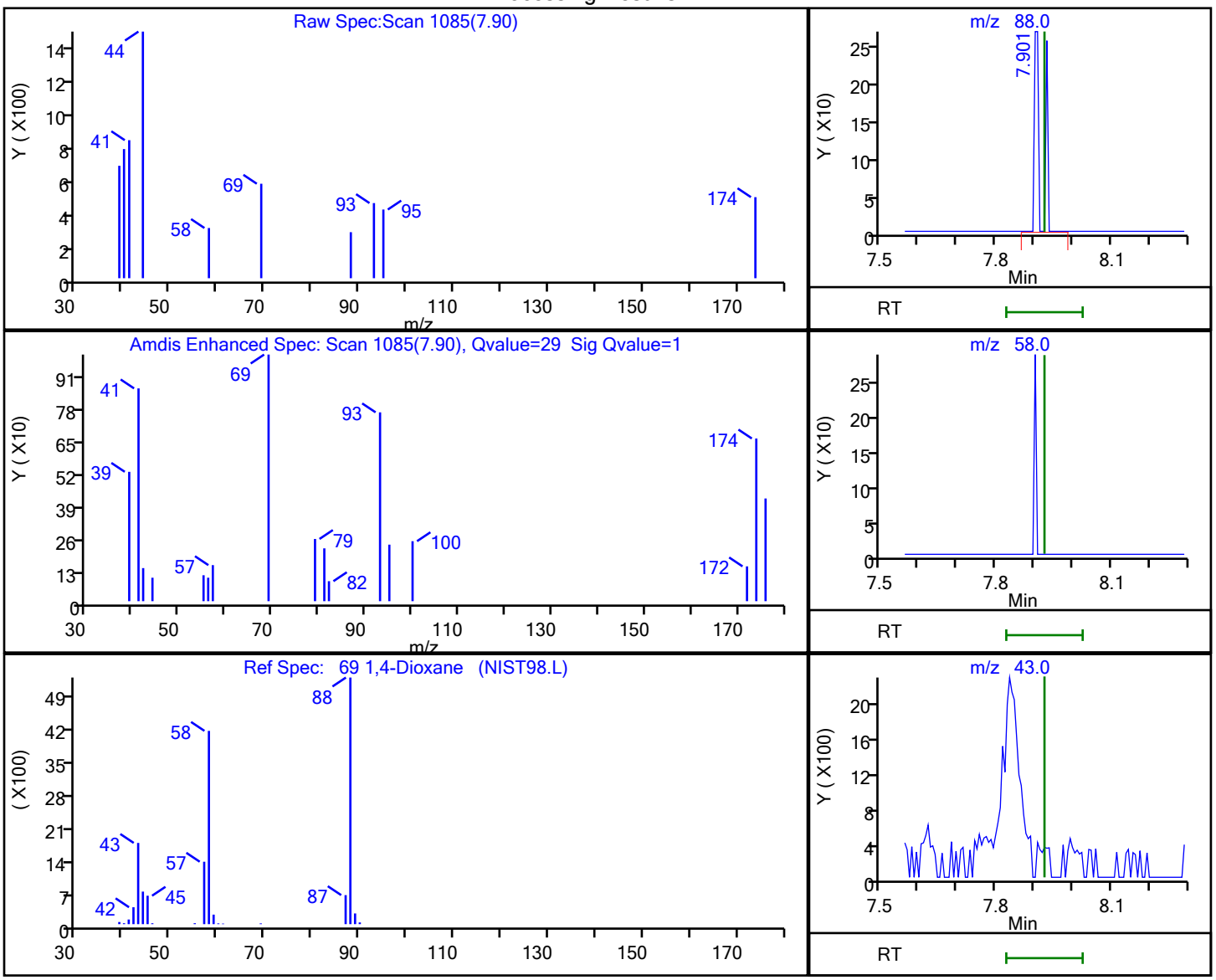
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X11.D
Injection Date: 24-Feb-2025 19:07:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

69 1,4-Dioxane, CAS: 123-91-1

Processing Results



RT	Mass	Response	Amount
7.90	88.00	285	2.987641
8.06	58.00	0	
8.06	43.00	0	

Reviewer: UCB5, 27-Feb-2025 11:39:51 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X12.D
Lims ID: IC v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 24-Feb-2025 19:27:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0138970-013
Misc. Info.: IC V4
Operator ID: knk41612 Instrument ID: 26285
Sublist: chrom-MSVoa_26285a*sub89

Method: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 27-Feb-2025 12:27:09 Calib Date: 24-Feb-2025 21:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: TQ4J Date: 25-Feb-2025 06:35:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.604	1.598	0.006	97	47635	4.00	4.56	
4 Chloromethane	50	1.768	1.774	-0.006	99	52171	4.00	4.63	
6 Butadiene	39	1.842	1.841	0.001	88	62537	4.00	5.06	M
5 Vinyl chloride	62	1.866	1.866	0.000	98	45619	4.00	4.67	
8 Bromomethane	94	2.152	2.158	-0.006	92	30798	4.00	4.50	
9 Chloroethane	64	2.189	2.189	0.000	97	25703	4.00	4.59	
10 Dichlorofluoromethane	67	2.427	2.433	-0.006	97	76994	4.00	4.46	
12 Pentane	43	2.451	2.451	0.000	95	47895	4.00	4.26	
11 Trichlorofluoromethane	101	2.469	2.476	-0.007	97	49730	4.00	4.51	
14 Ethyl ether	59	2.628	2.628	0.000	93	18707	4.00	4.04	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	2.732	2.732	0.000	93	39490	4.00	4.54	
16 Acrolein	56	2.780	2.774	0.006	98	91998	39.0	39.5	
17 1,1-Dichloroethene	96	2.890	2.890	0.000	96	23439	4.00	4.39	
18 Acetone	58	2.933	2.914	0.019	97	9422	8.00	8.52	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.939	2.939	0.000	90	27066	4.00	4.26	
20 Iodomethane	142	3.073	3.067	0.006	98	47276	4.00	4.32	
21 Isopropyl alcohol	45	3.067	3.079	-0.012	28	17239	20.0	18.5	
22 Carbon disulfide	76	3.140	3.140	0.000	99	92230	4.00	4.31	M
24 Methyl acetate	43	3.262	3.262	0.000	99	34001	4.00	3.95	
25 3-Chloro-1-propene	41	3.286	3.280	0.006	90	49980	4.00	4.53	
26 Methylene Chloride	84	3.457	3.451	0.006	95	27525	4.00	4.29	
* 27 t-Butyl alcohol-d10 (IS)	65	3.518	3.524	-0.006	98	375861	250.0	250.0	
29 2-Methyl-2-propanol	59	3.628	3.646	-0.018	86	29346	20.0	18.7	
30 Acrylonitrile	53	3.744	3.737	0.007	96	44282	10.0	10.5	
31 trans-1,2-Dichloroethene	96	3.786	3.786	0.000	97	25270	4.00	4.46	
32 Methyl tert-butyl ether	73	3.792	3.798	-0.006	94	81413	4.00	4.36	
33 Hexane	57	4.183	4.176	0.006	93	34821	4.00	4.28	
34 1,1-Dichloroethane	63	4.420	4.414	0.006	96	48318	4.00	4.40	
36 Isopropyl ether	45	4.487	4.481	0.006	96	89719	4.00	4.24	
37 2-Chloro-1,3-butadiene	53	4.536	4.530	0.006	93	42876	4.00	4.42	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.048	5.054	-0.006	98	79685	4.00	4.15	
39 2-Butanone (MEK)	43	5.298	5.292	0.006	68	52820	8.00	8.31	
40 cis-1,2-Dichloroethene	96	5.304	5.292	0.012	85	29273	4.00	4.42	
41 2,2-Dichloropropane	77	5.316	5.310	0.006	77	41255	4.00	4.43	
43 Propionitrile	54	5.402	5.402	0.000	92	38610	20.0	20.7	
44 Methyl acrylate	55	5.414	5.420	-0.006	98	39722	4.00	4.18	
45 Methacrylonitrile	67	5.615	5.609	0.006	95	38960	10.0	10.3	
46 Chlorobromomethane	128	5.646	5.652	-0.006	69	12830	4.00	4.21	
47 Tetrahydrofuran	71	5.658	5.670	-0.012	92	31754	20.0	20.3	
48 Chloroform	83	5.816	5.816	0.000	94	45713	4.00	4.35	
50 1,1,1-Trichloroethane	97	6.036	6.042	-0.006	89	39712	4.00	4.34	
$ 49 Dibromofluoromethane (Surr)	113	6.042	6.042	0.000	93	263135	50.0	50.7	
51 Cyclohexane	56	6.133	6.133	0.000	94	49781	4.00	4.18	
S 54 1,2-Dichloroethene, Total	100				0			8.88	
52 Carbon tetrachloride	117	6.255	6.249	0.006	82	32620	4.00	4.32	
53 1,1-Dichloropropene	75	6.261	6.261	0.000	93	36395	4.00	4.28	
55 Isobutyl alcohol	41	6.499	6.505	-0.006	88	30245	50.0	49.0	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.517	6.517	0.000	77	59594	50.0	50.1	
57 Benzene	78	6.536	6.536	0.000	96	108852	4.00	4.32	
58 1,2-Dichloroethane	62	6.621	6.621	0.000	97	34236	4.00	4.30	
60 Tert-amyl methyl ether	73	6.749	6.749	0.000	98	73266	4.00	4.16	
* 61 Fluorobenzene (IS)	96	6.969	6.969	0.000	98	1027017	50.0	50.0	
62 n-Heptane	43	6.987	6.987	0.000	97	33737	4.00	4.24	
63 n-Butanol	56	7.407	7.420	-0.013	92	18631	50.0	46.1	
64 Trichloroethene	95	7.462	7.468	-0.006	98	26320	4.00	4.26	
65 Ethyl acrylate	55	7.627	7.621	0.006	98	38992	4.00	4.03	
66 Methylcyclohexane	83	7.773	7.773	0.000	92	42134	4.00	4.17	
67 1,2-Dichloropropane	63	7.822	7.822	0.000	95	27918	4.00	4.27	
68 2-ethoxy-2-methyl butane	87	7.840	7.840	0.000	87	33039	4.00	4.16	
69 1,4-Dioxane	88	7.932	7.926	0.006	28	4681	50.0	50.9	M
70 Dibromomethane	93	7.932	7.926	0.006	68	16030	4.00	4.14	
71 Methyl methacrylate	69	7.932	7.932	0.000	94	20959	4.00	3.92	
74 Dichlorobromomethane	83	8.188	8.188	0.000	98	29962	4.00	4.02	
75 2-Nitropropane	41	8.493	8.493	0.000	98	54903	20.0	19.2	
76 2-Chloroethyl vinyl ether	63	8.584	8.590	-0.006	90	15799	4.00	3.69	
77 cis-1,3-Dichloropropene	75	8.767	8.773	-0.006	94	36291	4.00	3.83	
78 4-Methyl-2-pentanone (MIBK)	43	8.980	8.986	-0.006	98	98751	8.00	7.83	
$ 79 Toluene-d8 (Surr)	98	9.114	9.114	0.000	94	958466	50.0	50.0	
80 Toluene	92	9.200	9.200	0.000	98	60695	4.00	4.21	
84 trans-1,3-Dichloropropene	75	9.511	9.511	0.000	95	31973	4.00	3.96	
85 Ethyl methacrylate	69	9.596	9.596	0.000	91	37576	4.00	4.04	
86 1,1,2-Trichloroethane	97	9.736	9.736	0.000	92	19897	4.00	3.95	
87 Tetrachloroethene	166	9.816	9.809	0.007	98	25286	4.00	4.18	
88 1,3-Dichloropropane	76	9.913	9.913	0.000	94	33202	4.00	4.05	
90 2-Hexanone	43	9.986	9.986	0.000	99	69418	8.00	7.90	
S 97 1,3-Dichloropropene, Total	100				0			7.80	
91 Chlorodibromomethane	129	10.145	10.139	0.006	90	20050	4.00	3.77	
96 Ethylene Dibromide	107	10.254	10.254	0.000	97	20662	4.00	3.93	
* 98 Chlorobenzene-d5 (IS)	117	10.724	10.724	0.000	87	710983	50.0	50.0	
100 1-Chlorohexane	91	10.748	10.748	0.000	84	32356	4.00	4.28	
99 Chlorobenzene	112	10.754	10.754	0.000	98	62431	4.00	4.11	
128 1,1,1,2-Tetrachloroethane	131	10.846	10.846	0.000	94	22640	4.00	3.93	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
129 Ethylbenzene	91	10.852	10.852	0.000	99	119606	4.00	4.11	
130 m-Xylene & p-Xylene	106	10.980	10.980	0.000	99	90124	8.00	8.29	
S 134 Xylenes, Total	106				0			12.4	
131 n-Butyl acrylate	55	11.297	11.297	0.000	95	58407	4.00	4.20	
132 o-Xylene	106	11.321	11.327	-0.006	97	46646	4.00	4.16	
133 Styrene	104	11.346	11.346	0.000	96	71691	4.00	4.10	
135 Bromoform	173	11.498	11.504	-0.006	95	15378	4.00	3.69	
136 Isopropylbenzene	105	11.644	11.651	-0.007	96	106421	4.00	4.11	
137 Cyclohexanone	55	11.724	11.724	0.000	95	83249	200.0	196.5	
$ 140 4-Bromofluorobenzene (Surr)	95	11.791	11.797	-0.006	91	359868	50.0	50.7	
143 Bromobenzene	156	11.913	11.913	0.000	96	25966	4.00	3.85	
144 1,1,2,2-Tetrachloroethane	83	11.913	11.913	0.000	94	40757	4.00	3.93	
145 trans-1,4-Dichloro-2-butene	53	11.943	11.943	0.000	89	26558	10.0	9.43	
146 1,2,3-Trichloropropane	110	11.955	11.955	0.000	84	10923	4.00	4.06	
147 N-Propylbenzene	91	11.992	11.992	0.000	100	141606	4.00	4.03	
148 2-Chlorotoluene	126	12.065	12.065	0.000	96	27315	4.00	4.04	M
149 1,3,5-Trimethylbenzene	105	12.138	12.138	0.000	94	93128	4.00	3.88	
150 4-Chlorotoluene	126	12.169	12.169	0.000	97	25010	4.00	3.88	M
152 tert-Butylbenzene	134	12.388	12.388	0.000	94	14863	4.00	3.74	
154 1,2,4-Trimethylbenzene	105	12.437	12.437	0.000	97	94862	4.00	3.85	
155 sec-Butylbenzene	105	12.559	12.559	0.000	95	112902	4.00	3.87	
156 1,3-Dichlorobenzene	146	12.656	12.656	0.000	98	50230	4.00	4.02	a
157 4-Isopropyltoluene	119	12.675	12.675	0.000	97	97886	4.00	3.95	a
* 158 1,4-Dichlorobenzene-d4	152	12.717	12.711	0.006	96	400375	50.0	50.0	
159 1,4-Dichlorobenzene	146	12.736	12.736	0.000	96	50237	4.00	3.97	a
160 1,2,3-Trimethylbenzene	105	12.748	12.748	0.000	99	96124	4.00	3.82	a
164 Benzyl chloride	91	12.815	12.821	-0.006	99	70748	4.00	3.68	a
165 1,3-Diethylbenzene	119	12.888	12.882	0.006	95	54605	4.00	3.91	a
166 p-Diethylbenzene	119	12.955	12.961	-0.006	95	58940	4.00	3.97	a
167 n-Butylbenzene	92	12.980	12.980	0.000	98	49529	4.00	3.98	
168 1,2-Dichlorobenzene	146	13.004	13.004	0.000	98	51227	4.00	3.99	
169 o-diethylbenzene	119	13.034	13.034	0.000	97	42901	4.00	3.70	a
170 1,2-Dibromo-3-Chloropropane	75	13.565	13.565	0.000	80	10754	4.00	3.84	
171 1,3,5-Trichlorobenzene	180	13.693	13.693	0.000	97	35573	4.00	3.96	
173 1,2,4-Trichlorobenzene	180	14.126	14.126	0.000	94	32868	4.00	3.86	
175 2-Ethylhexyl acrylate	55	14.211	14.211	0.000	83	33820	4.00	3.77	
174 Hexachlorobutadiene	225	14.217	14.217	0.000	92	12191	4.00	3.72	
176 Naphthalene	128	14.315	14.315	0.000	97	130620	4.00	3.86	
177 1,2,3-Trichlorobenzene	180	14.461	14.461	0.000	95	32238	4.00	3.80	
178 2-Methylnaphthalene	142	15.071	15.071	0.000	92	55061	4.00	3.45	
S 182 Total Diethylbenzene	1				0			11.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_CYC_00011	Amount Added:	32.00	Units: uL	
MSV_CCV_GASES_00961	Amount Added:	2.00	Units: uL	
MSV_CCV_VOC#3_00225	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00216	Amount Added:	4.00	Units: uL	
MSV_CCV_EE_00008	Amount Added:	4.00	Units: uL	
MSV_CCV_VOC#1_00224	Amount Added:	4.00	Units: uL	
MSV_CCV_OH_Sp_00019	Amount Added:	4.00	Units: uL	
MSV_Cent_ISSS_00034	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 27-Feb-2025 12:27:10 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X12.D

Injection Date: 24-Feb-2025 19:27:30 Instrument ID: 26285 Operator ID: knk41612

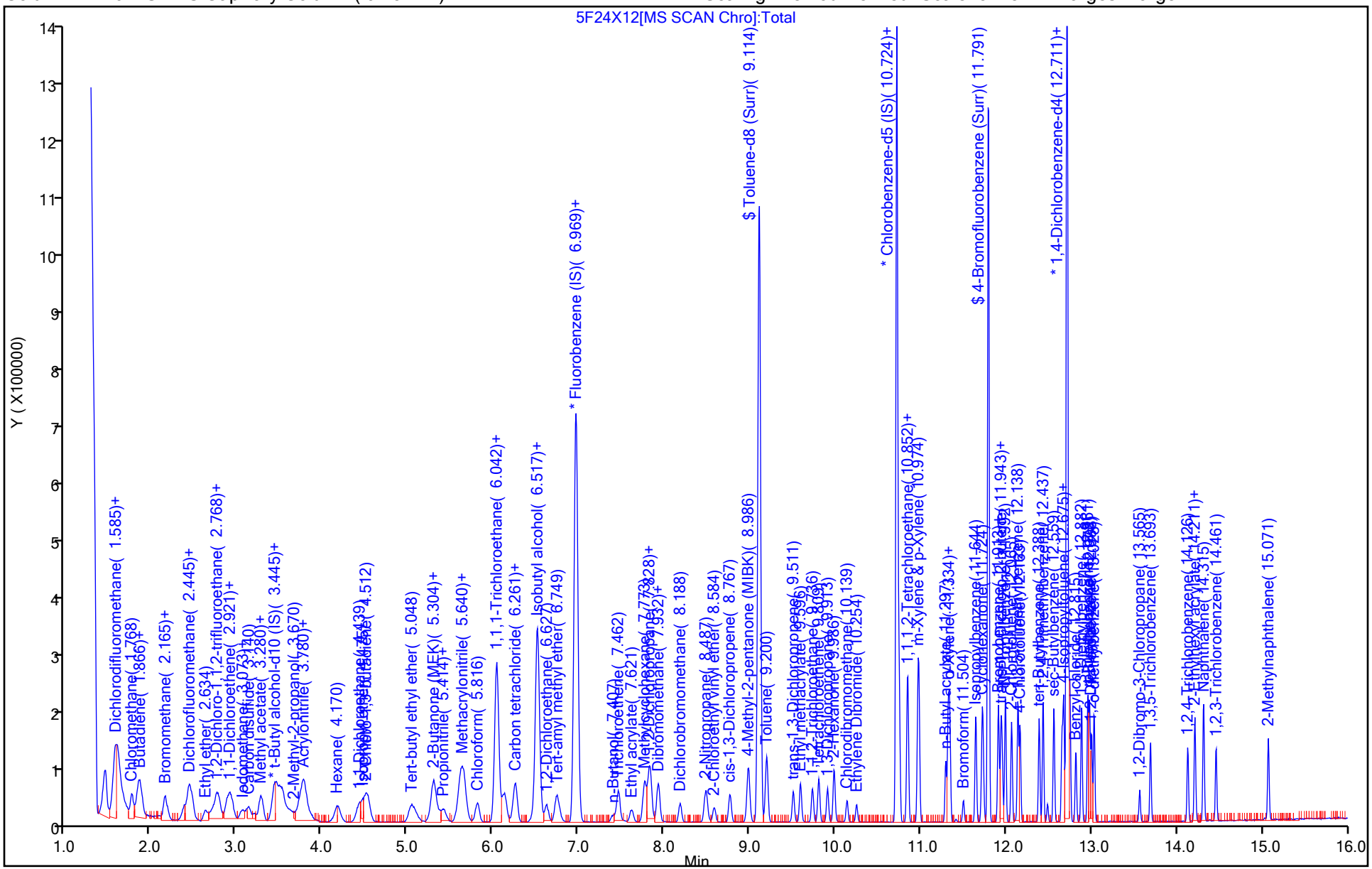
Lims ID: IC v4 Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 12

Method: MSVoa_26285a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

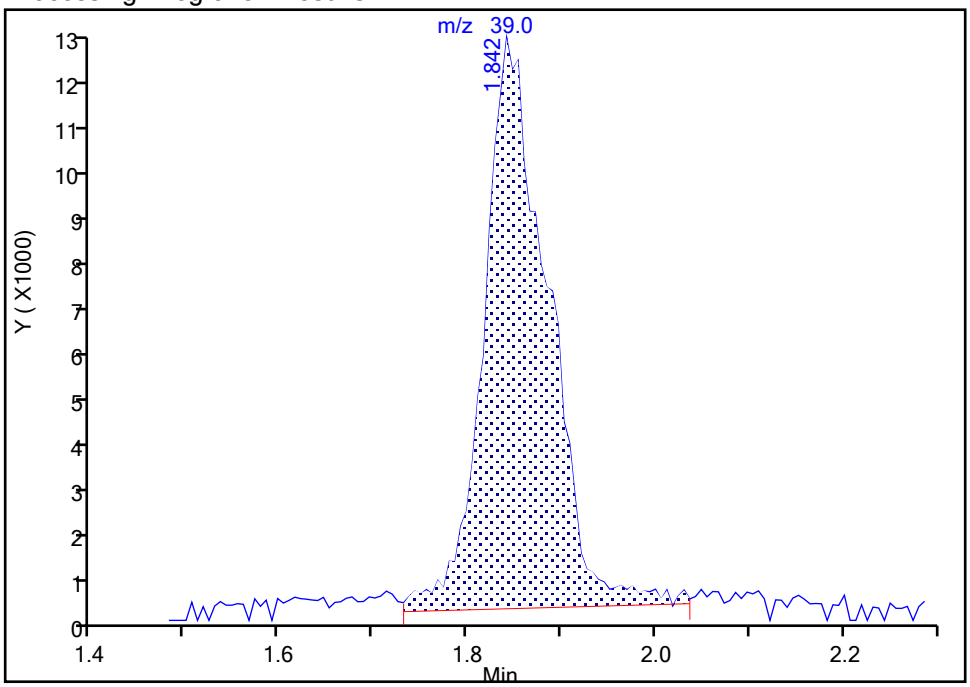
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X12.D
Injection Date: 24-Feb-2025 19:27:30 Instrument ID: 26285
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

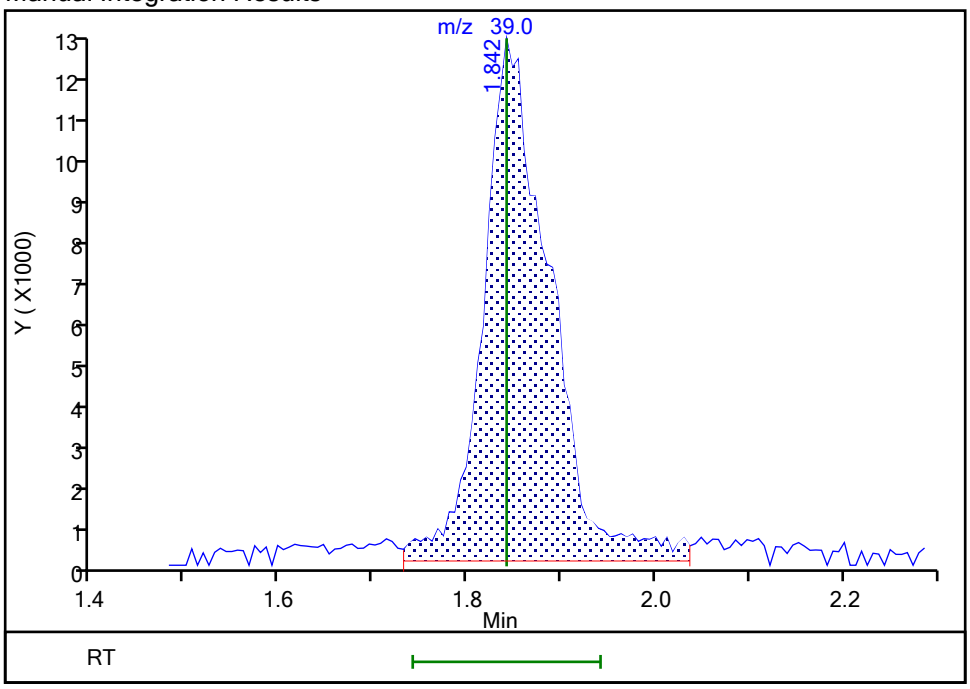
Processing Integration Results

RT: 1.84
Area: 58684
Amount: 4.798460
Amount Units: ug/l



Manual Integration Results

RT: 1.84
Area: 62537
Amount: 5.056615
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:44:24 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

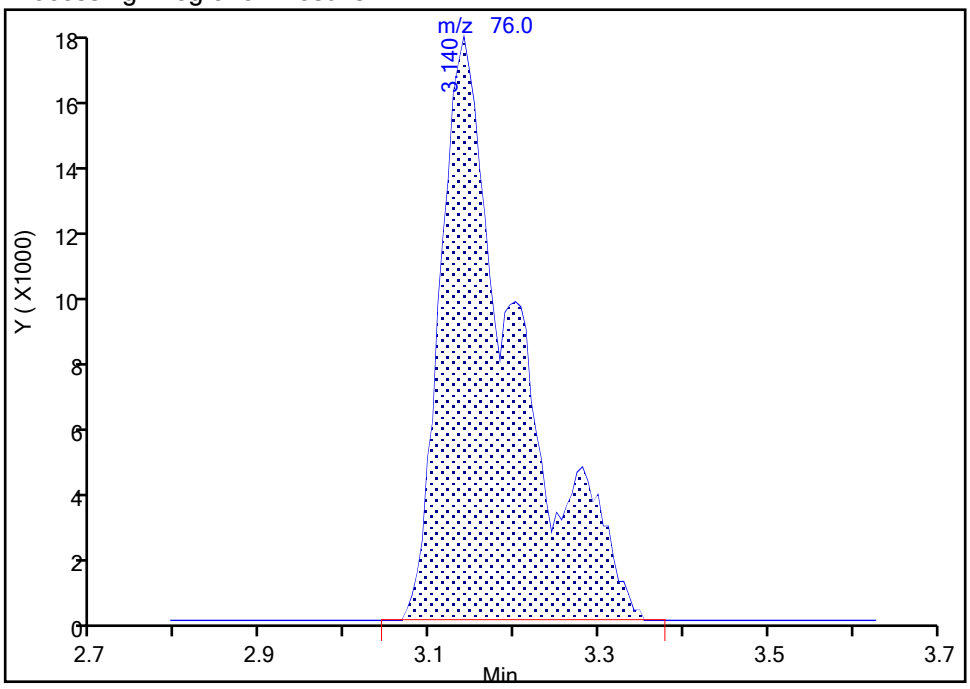
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X12.D
Injection Date: 24-Feb-2025 19:27:30 Instrument ID: 26285
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

22 Carbon disulfide, CAS: 75-15-0

Signal: 1

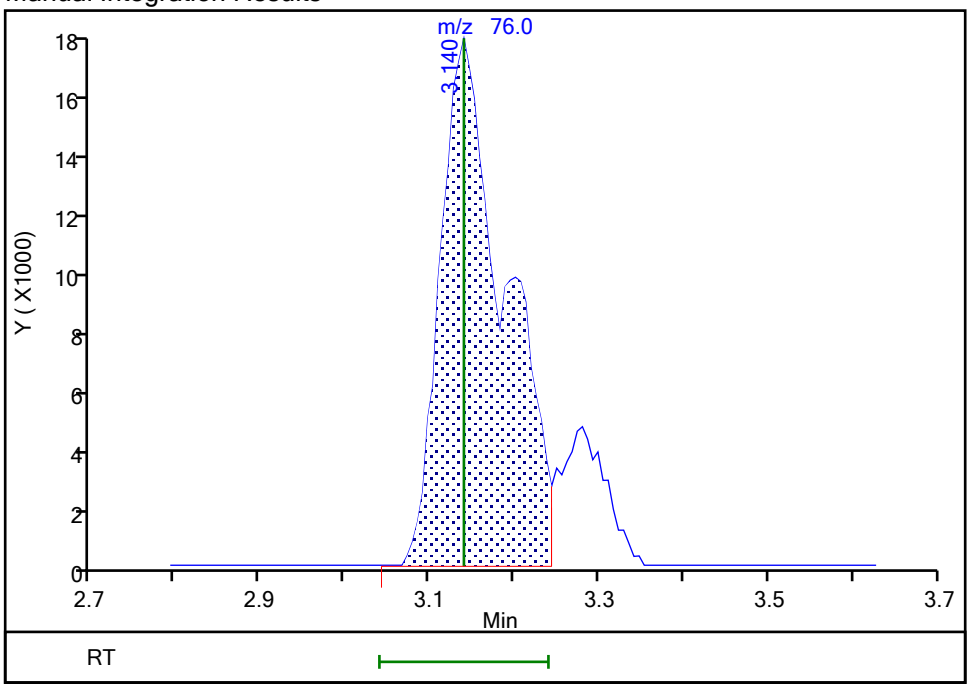
Processing Integration Results

RT: 3.14
Area: 108586
Amount: 4.560439
Amount Units: ug/l



Manual Integration Results

RT: 3.14
Area: 92230
Amount: 4.312796
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:45:11 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

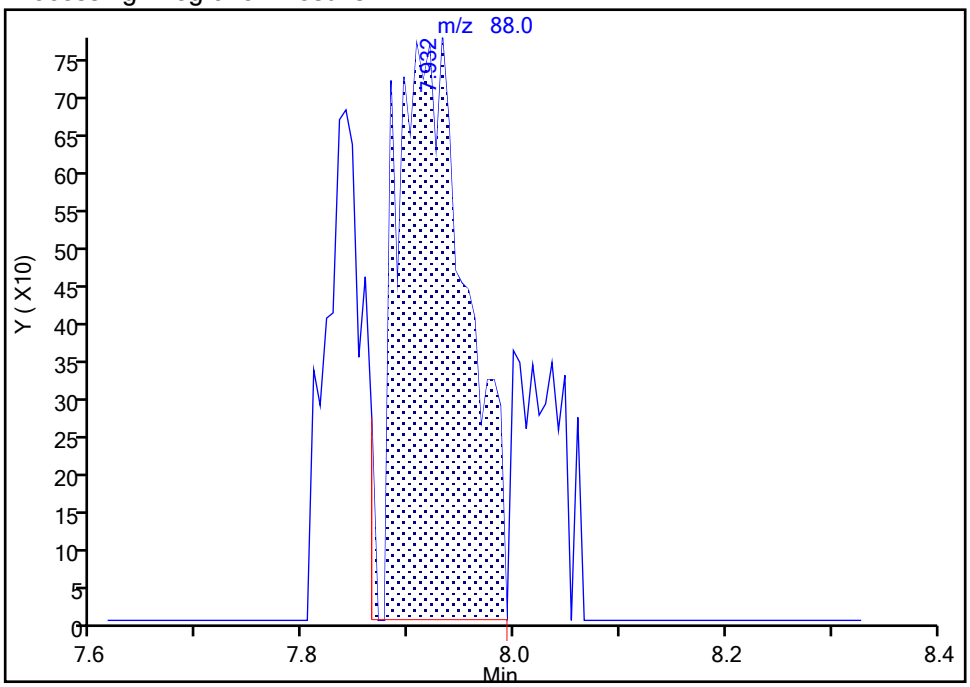
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X12.D
Injection Date: 24-Feb-2025 19:27:30 Instrument ID: 26285
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

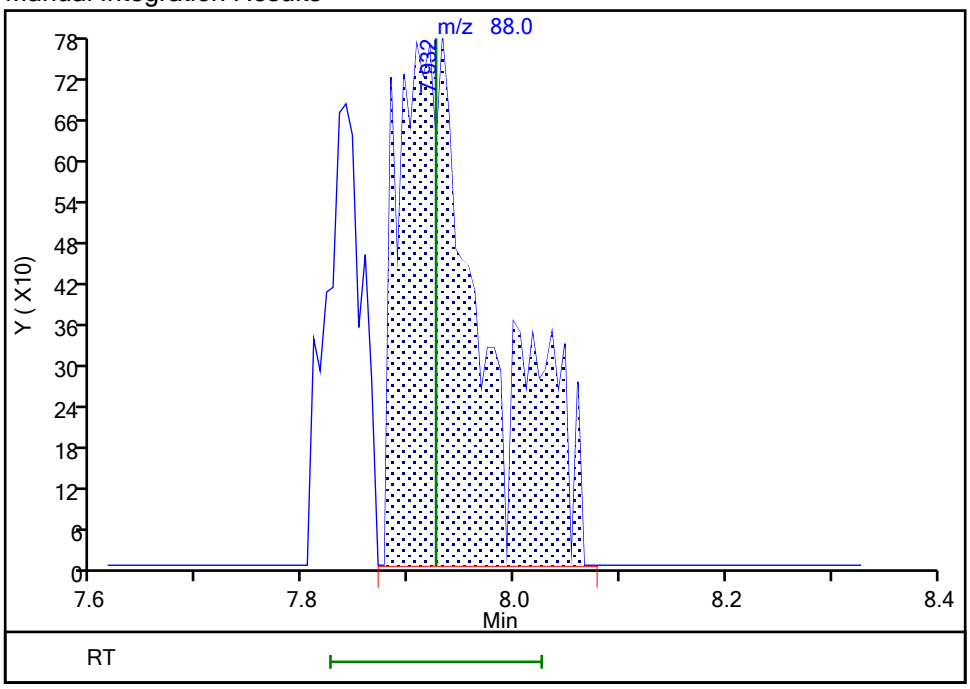
Processing Integration Results

RT: 7.93
Area: 3665
Amount: 43.484094
Amount Units: ug/l



Manual Integration Results

RT: 7.93
Area: 4681
Amount: 50.865572
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:45:48 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

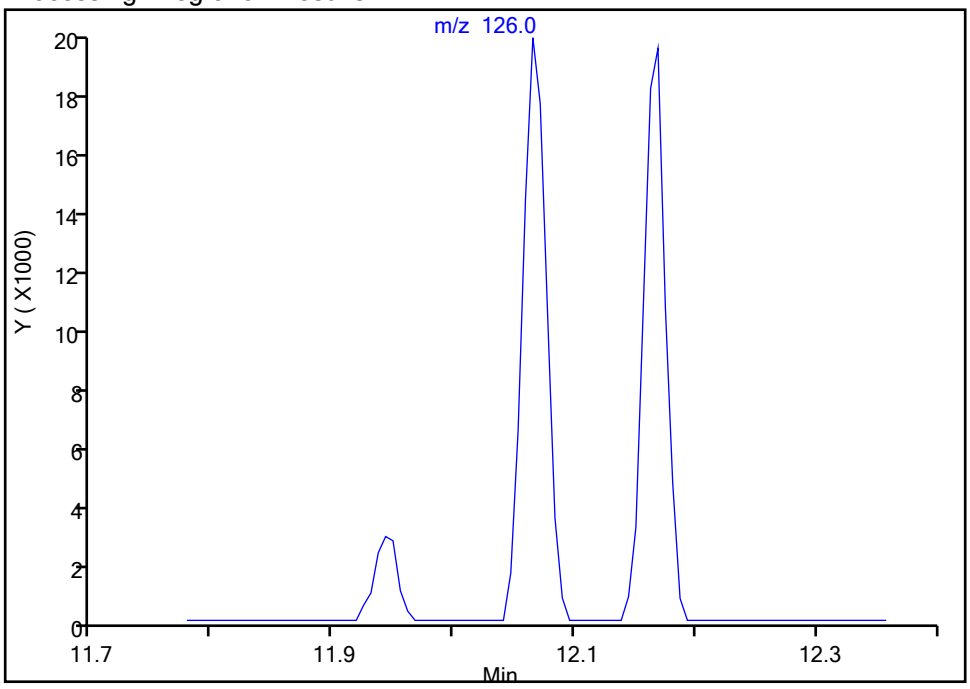
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X12.D
Injection Date: 24-Feb-2025 19:27:30 Instrument ID: 26285
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

148 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

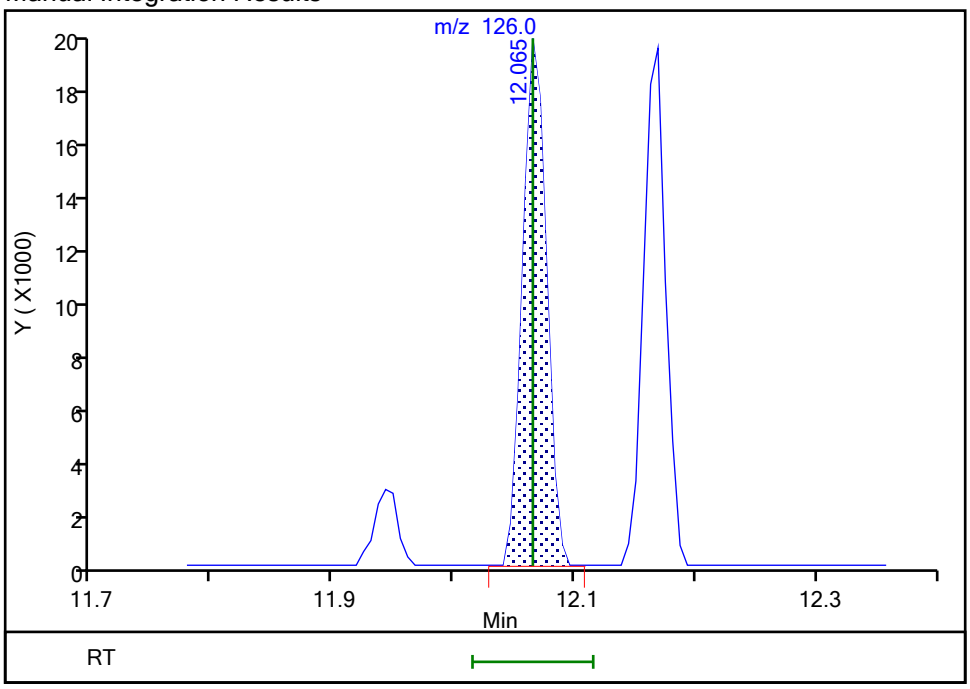
Not Detected
Expected RT: 12.07

Processing Integration Results



Manual Integration Results

RT: 12.07
Area: 27315
Amount: 4.040561
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:43:18 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

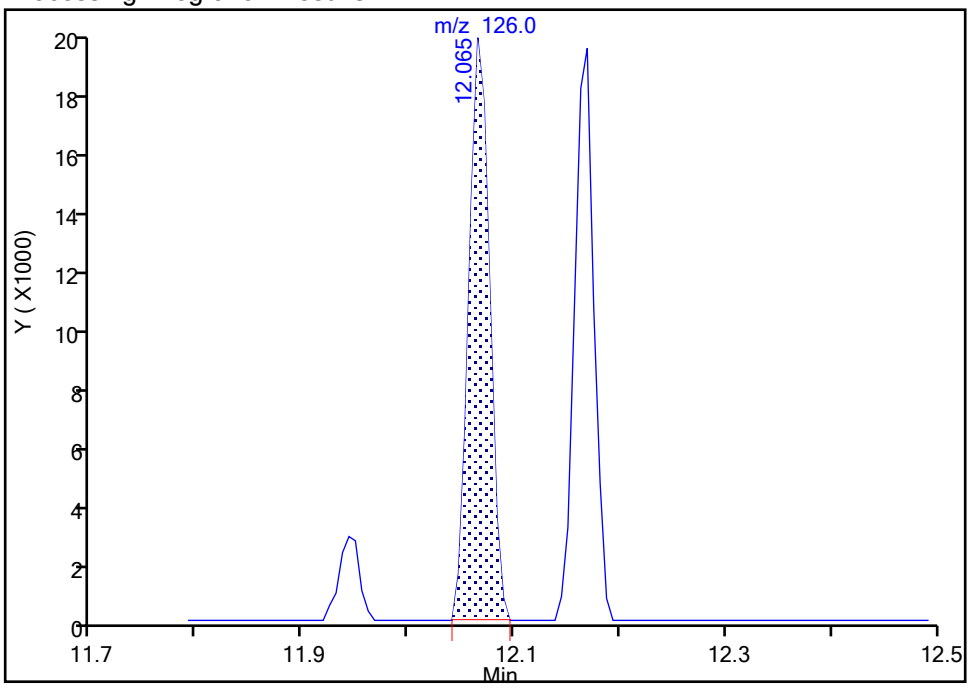
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X12.D
Injection Date: 24-Feb-2025 19:27:30 Instrument ID: 26285
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

150 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

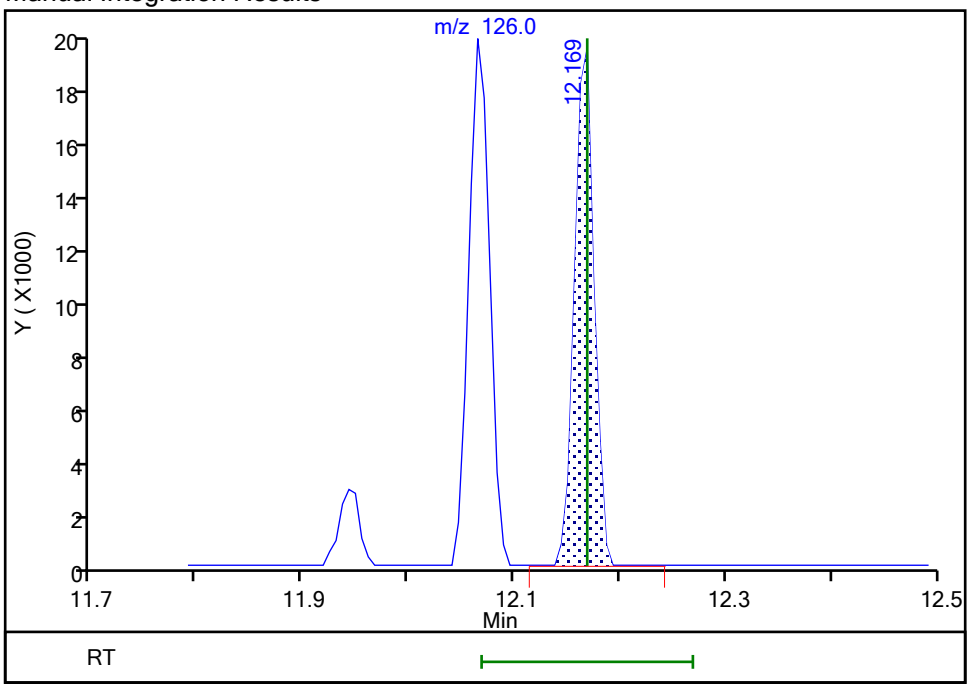
Processing Integration Results

RT: 12.07
Area: 27316
Amount: 4.167734
Amount Units: ug/l



Manual Integration Results

RT: 12.17
Area: 25010
Amount: 3.875561
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:43:25 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

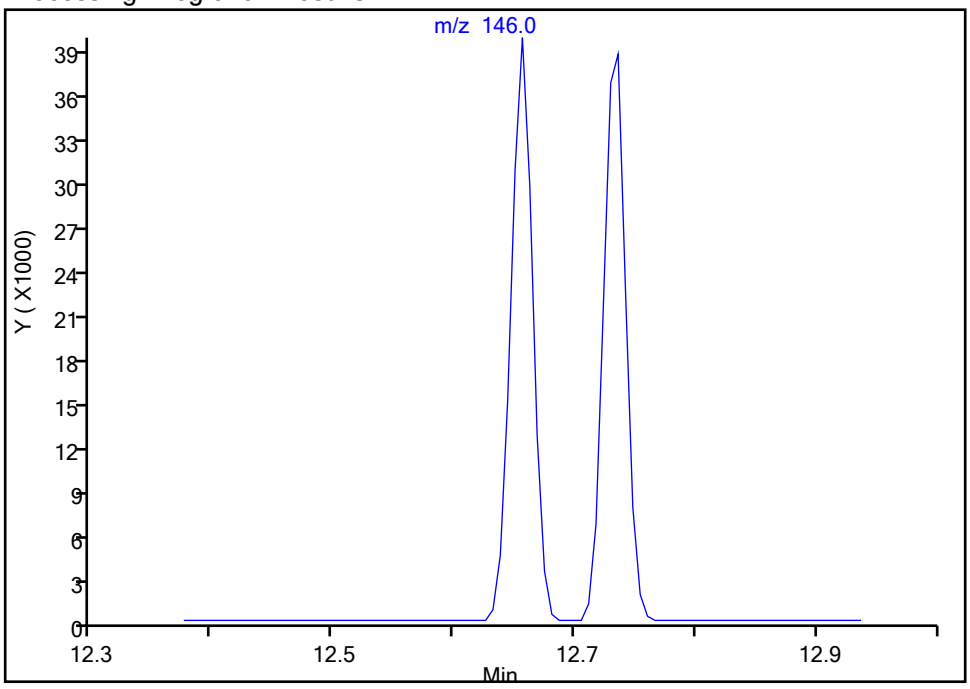
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X12.D
Injection Date: 24-Feb-2025 19:27:30 Instrument ID: 26285
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

156 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

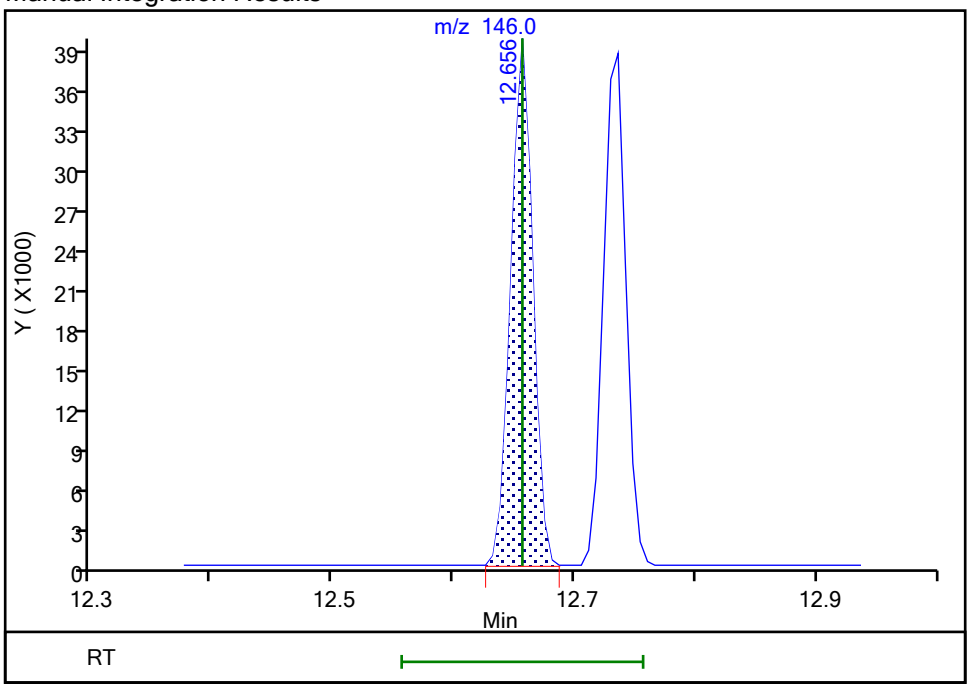
Not Detected
Expected RT: 12.66

Processing Integration Results



Manual Integration Results

RT: 12.66
Area: 50230
Amount: 4.015776
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:43:04 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

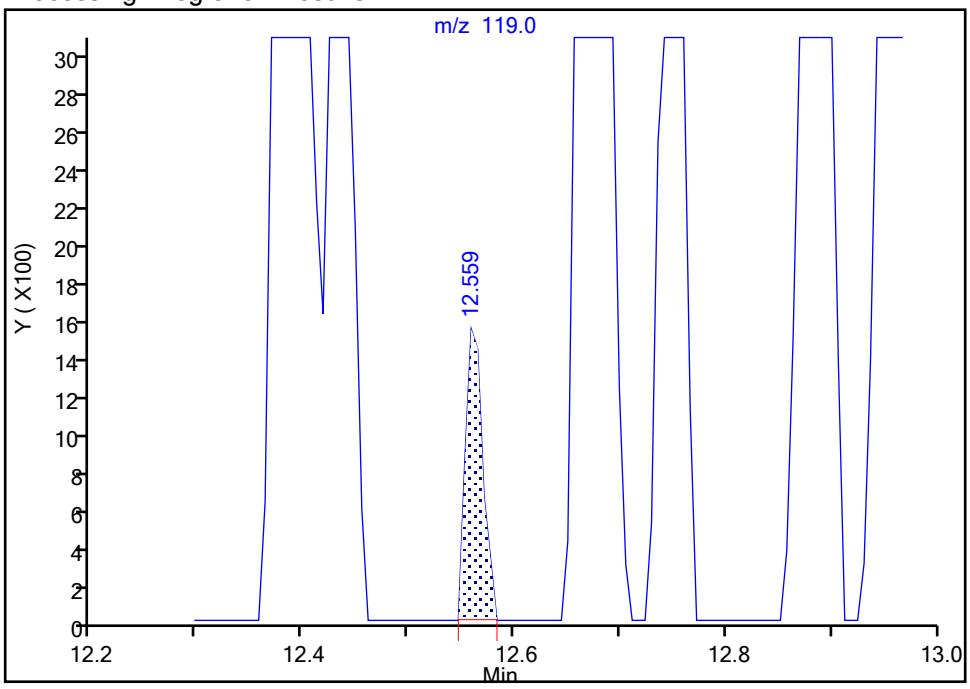
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X12.D
Injection Date: 24-Feb-2025 19:27:30 Instrument ID: 26285
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

157 4-Isopropyltoluene, CAS: 99-87-6

Signal: 1

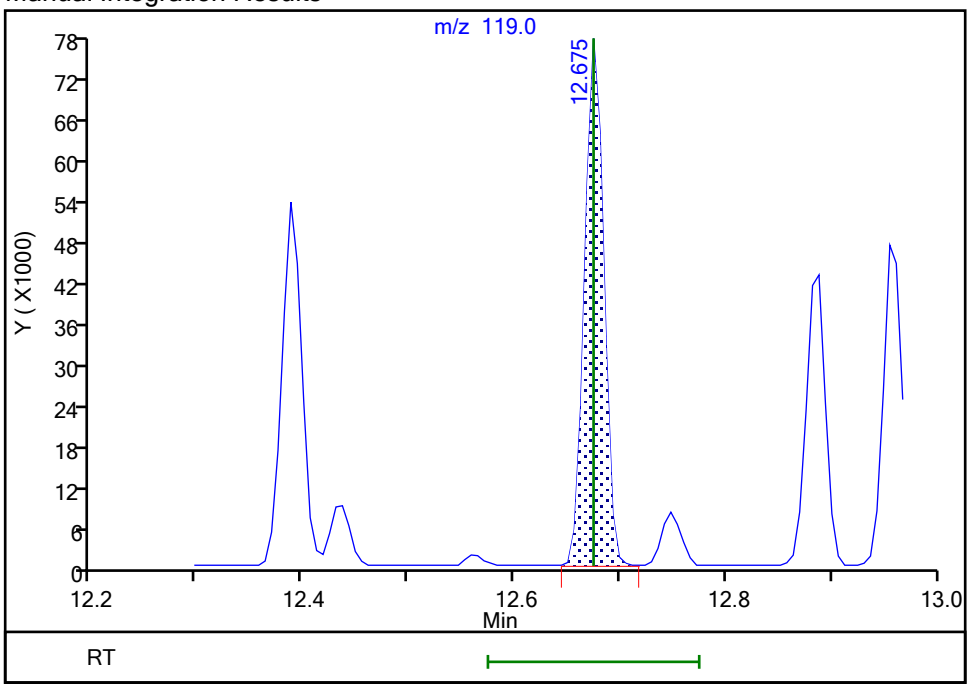
Processing Integration Results

RT: 12.56
Area: 1721
Amount: 0.158336
Amount Units: ug/l



Manual Integration Results

RT: 12.67
Area: 97886
Amount: 3.951071
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:33:25 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

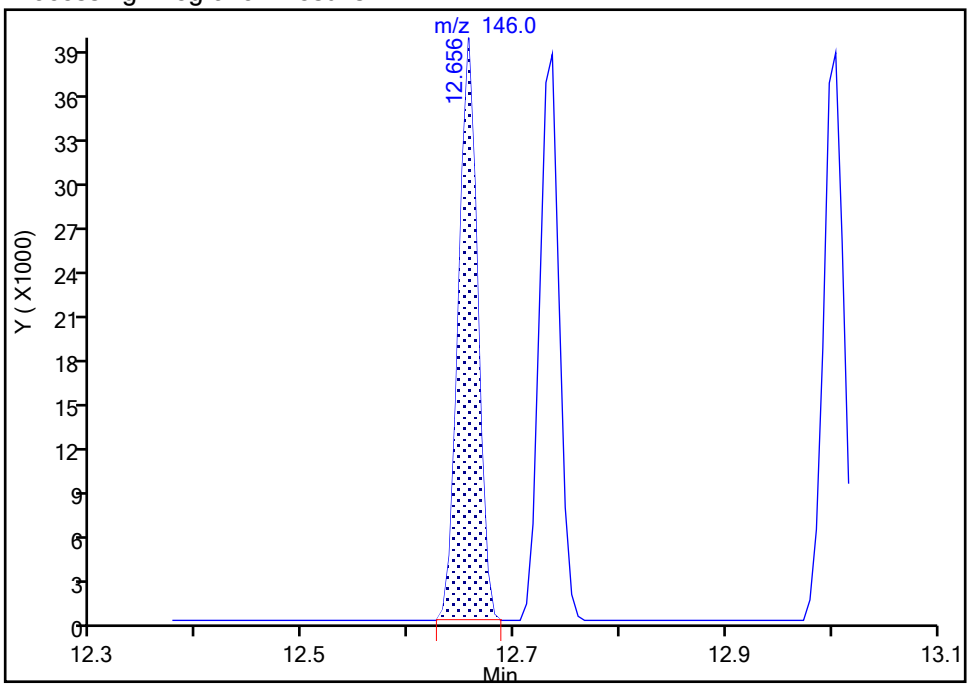
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X12.D
Injection Date: 24-Feb-2025 19:27:30 Instrument ID: 26285
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

159 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

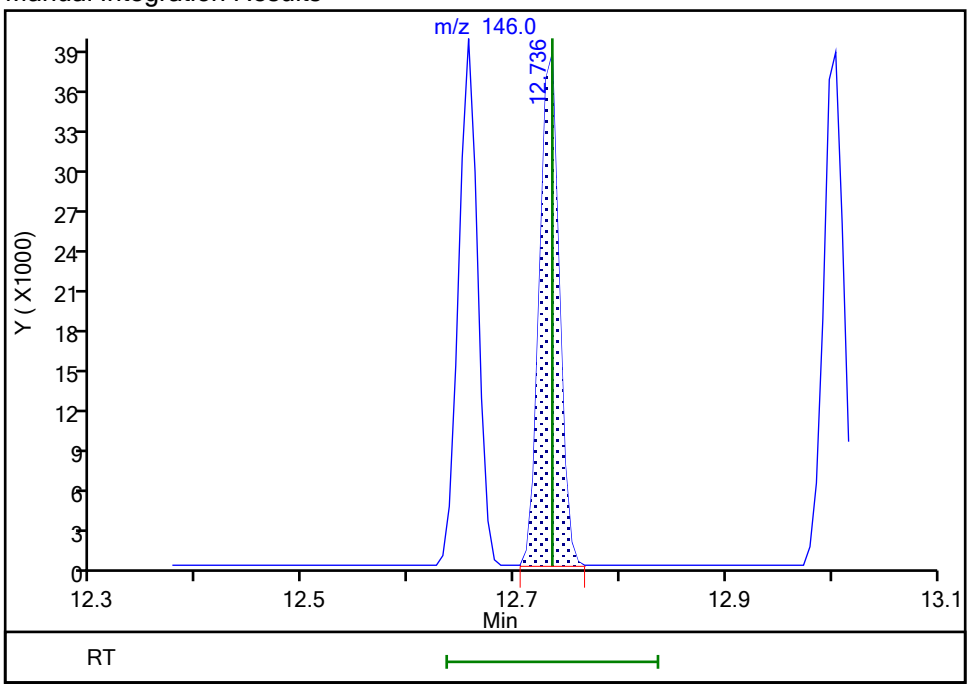
Processing Integration Results

RT: 12.66
Area: 50230
Amount: 3.958471
Amount Units: ug/l



Manual Integration Results

RT: 12.74
Area: 50237
Amount: 3.965397
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:43:17 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

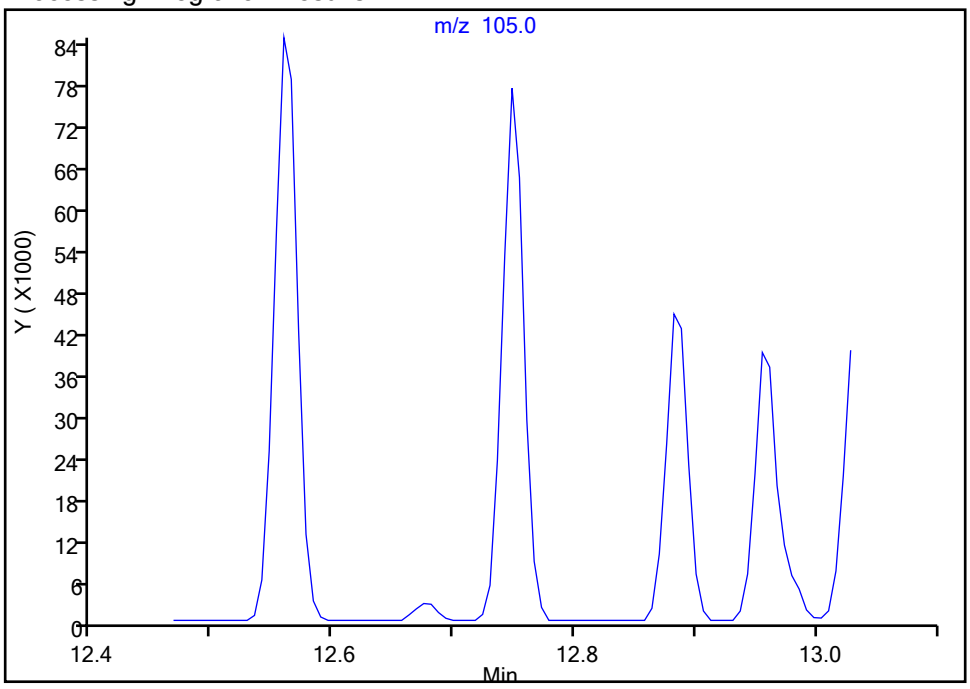
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X12.D
Injection Date: 24-Feb-2025 19:27:30 Instrument ID: 26285
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

160 1,2,3-Trimethylbenzene, CAS: 526-73-8

Signal: 1

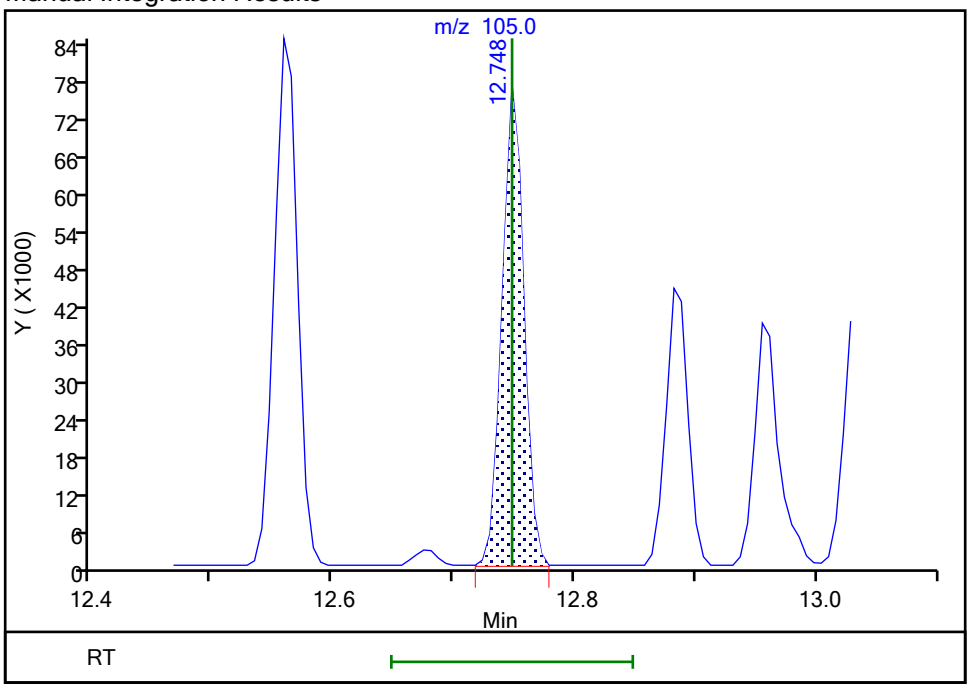
Not Detected
Expected RT: 12.75

Processing Integration Results



Manual Integration Results

RT: 12.75
Area: 96124
Amount: 3.821977
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:43:27 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

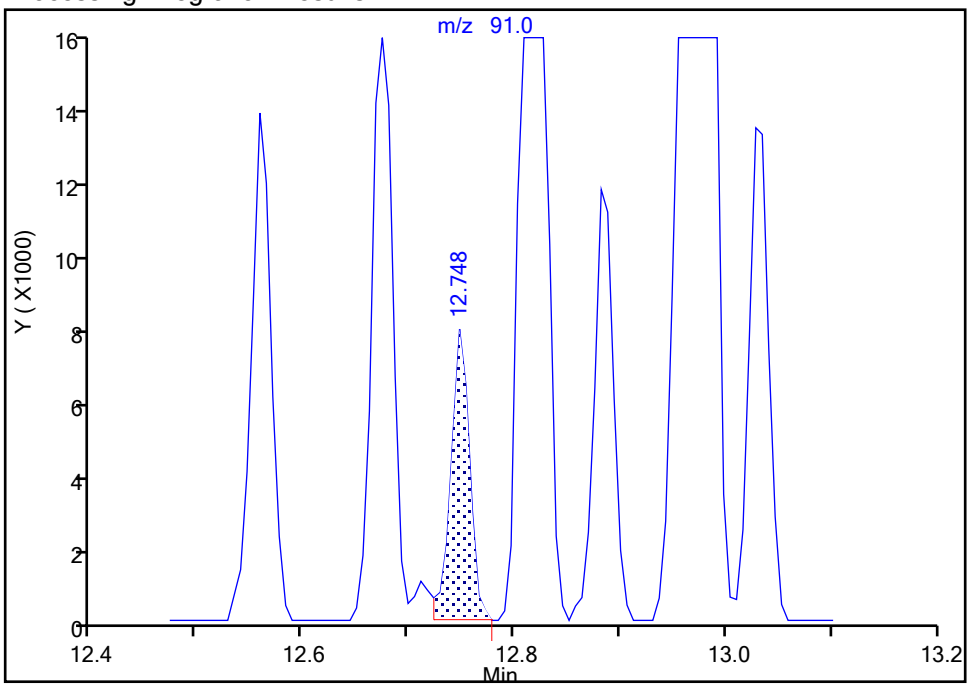
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X12.D
Injection Date: 24-Feb-2025 19:27:30 Instrument ID: 26285
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

164 Benzyl chloride, CAS: 100-44-7

Signal: 1

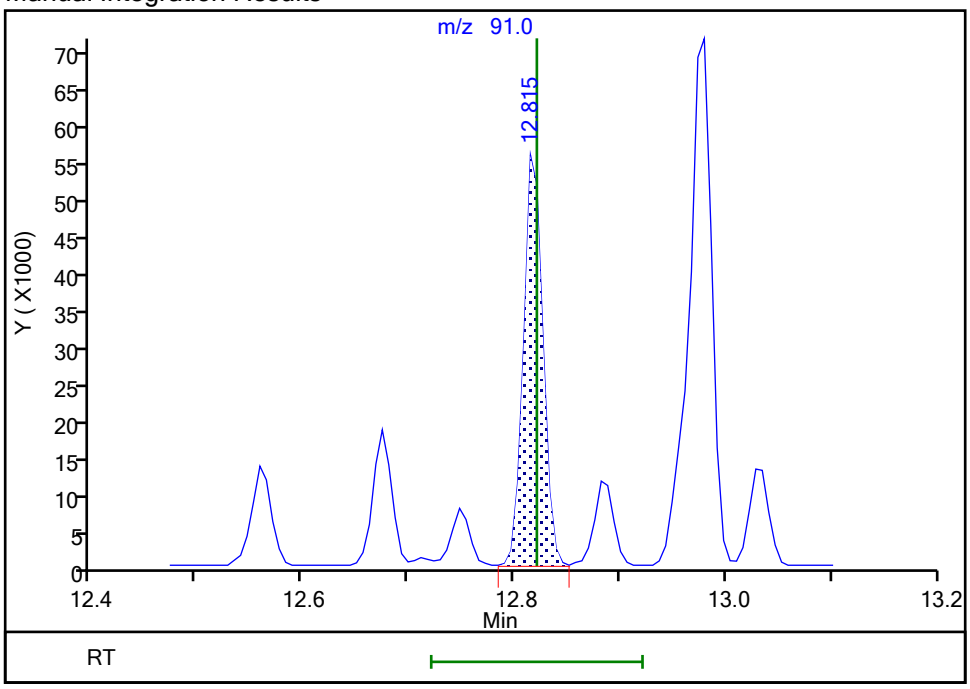
Processing Integration Results

RT: 12.75
Area: 9545
Amount: 0.948195
Amount Units: ug/l



Manual Integration Results

RT: 12.81
Area: 70748
Amount: 3.675433
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:43:38 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

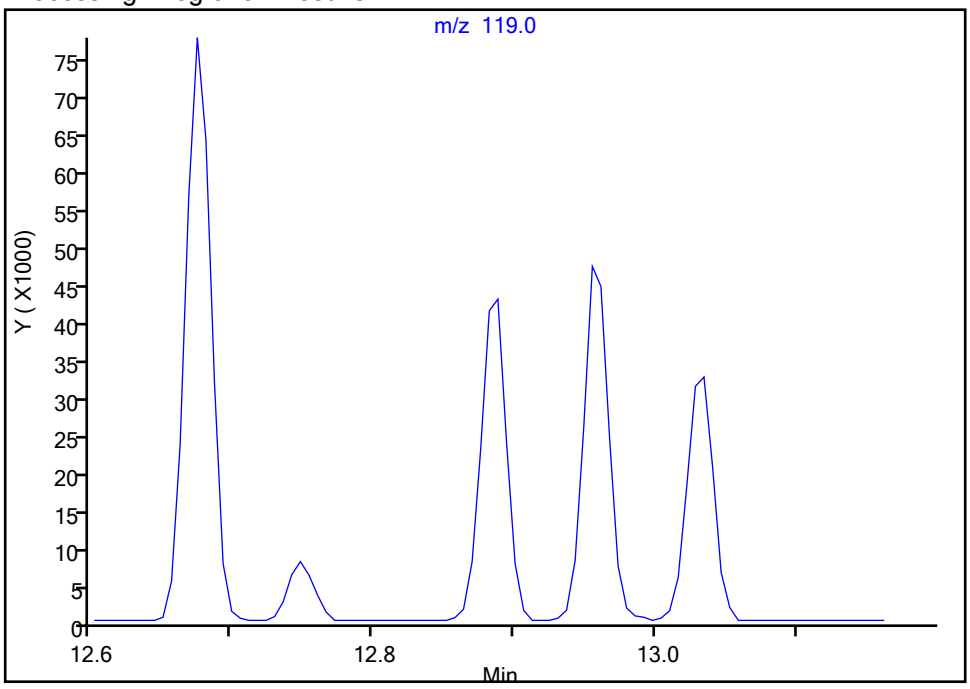
Data File:	\\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X12.D				
Injection Date:	24-Feb-2025 19:27:30	Instrument ID:	26285		
Lims ID:	IC v4				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

165 1,3-Diethylbenzene, CAS: 141-93-5

Signal: 1

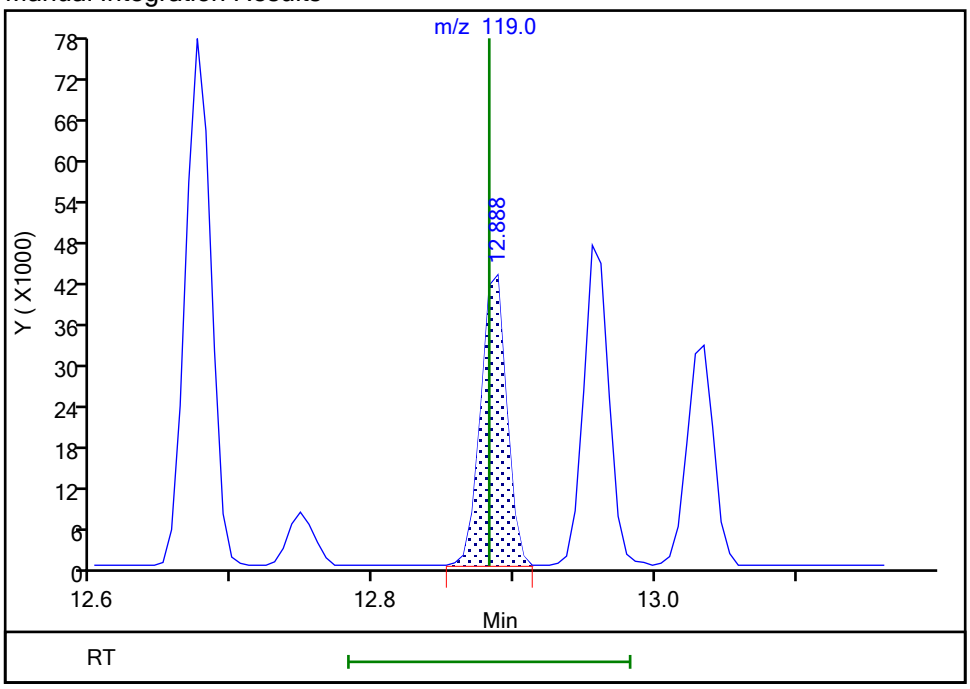
Not Detected
Expected RT: 12.88

Processing Integration Results



Manual Integration Results

RT: 12.89
Area: 54605
Amount: 3.910562
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:43:50 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

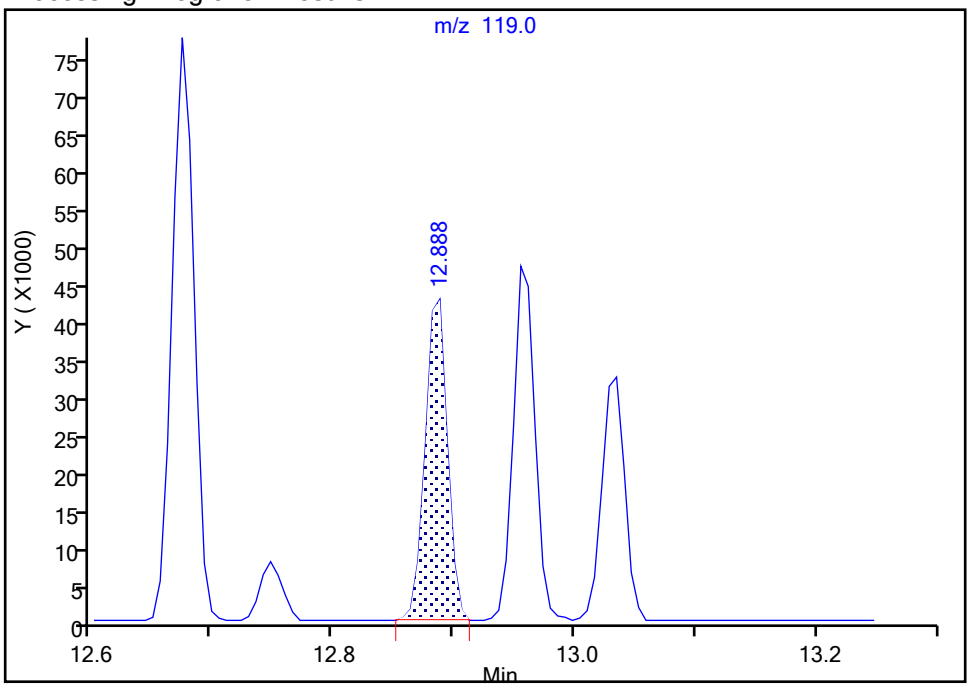
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X12.D
Injection Date: 24-Feb-2025 19:27:30 Instrument ID: 26285
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

166 p-Diethylbenzene, CAS: 105-05-5

Signal: 1

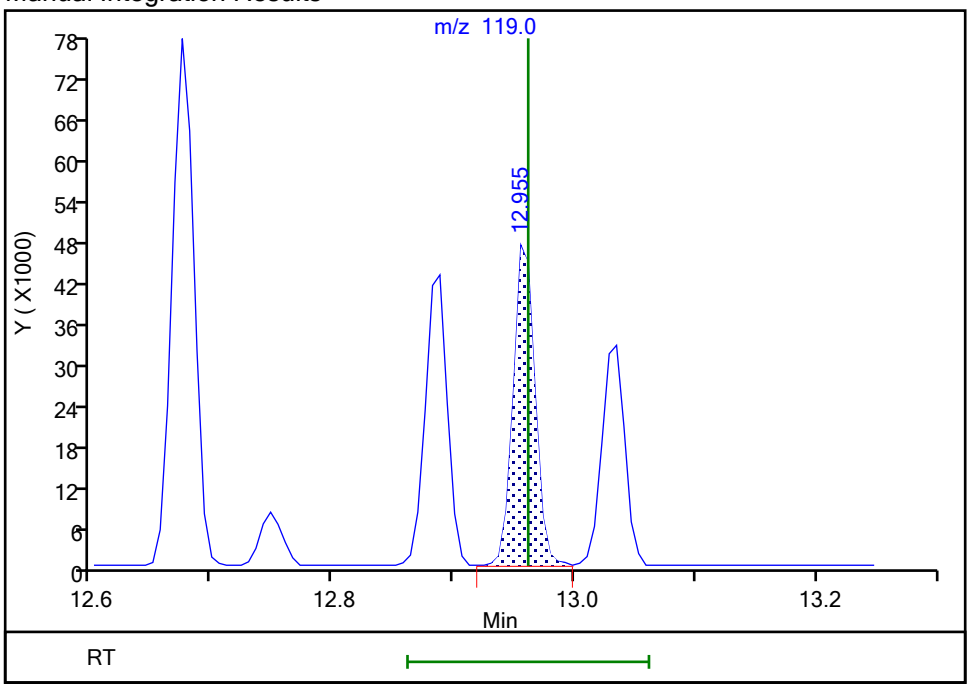
Processing Integration Results

RT: 12.89
Area: 54605
Amount: 4.157814
Amount Units: ug/l



Manual Integration Results

RT: 12.96
Area: 58940
Amount: 3.966027
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:43:58 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

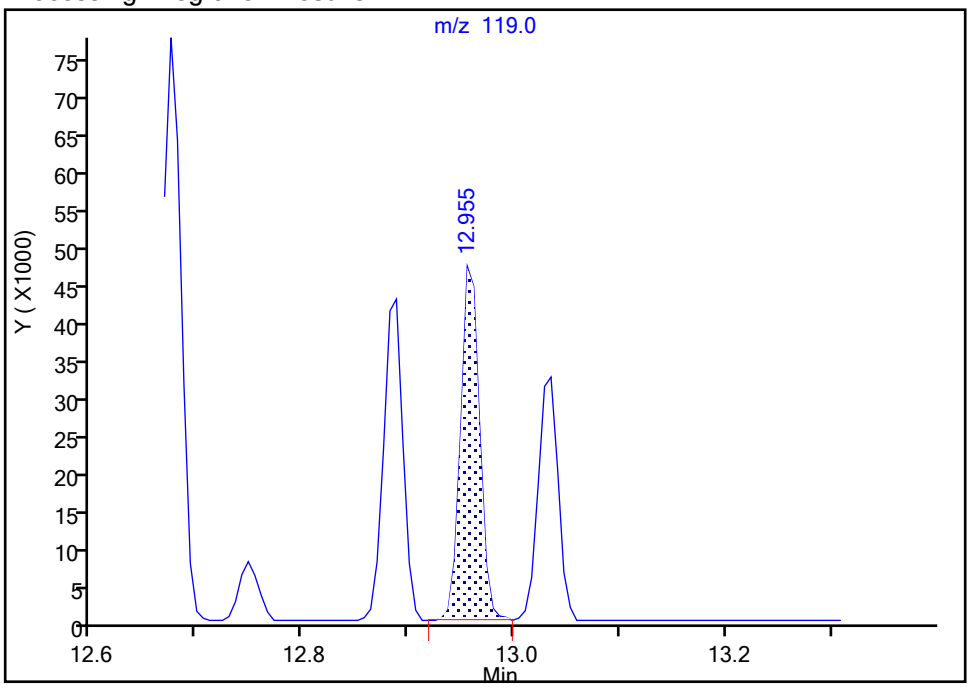
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X12.D
Injection Date: 24-Feb-2025 19:27:30 Instrument ID: 26285
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

169 o-diethylbenzene, CAS: 135-01-3

Signal: 1

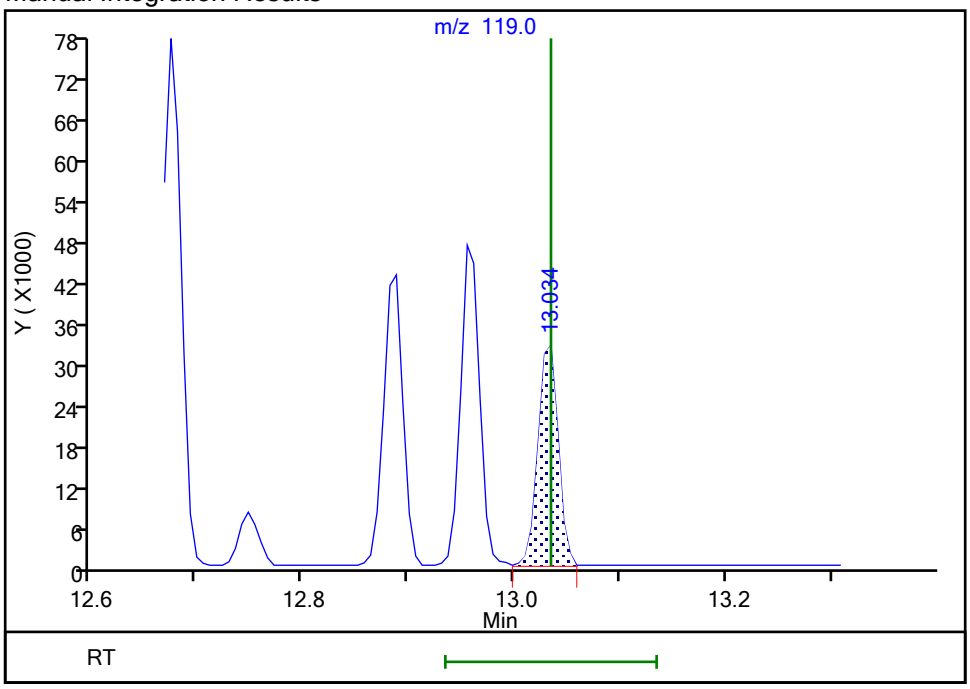
Processing Integration Results

RT: 12.96
Area: 58940
Amount: 4.692748
Amount Units: ug/l



Manual Integration Results

RT: 13.03
Area: 42901
Amount: 3.700679
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:44:06 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X13.D
Lims ID: IC v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 24-Feb-2025 19:47:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0138970-014
Misc. Info.: IC V10
Operator ID: knk41612 Instrument ID: 26285
Sublist: chrom-MSVoa_26285a*sub89

Method: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 27-Feb-2025 12:27:22 Calib Date: 24-Feb-2025 21:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: TQ4J Date: 25-Feb-2025 06:50:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.598	1.598	0.000	44	112922	10.0	10.5	
4 Chloromethane	50	1.775	1.774	0.001	99	115658	10.0	10.0	
6 Butadiene	39	1.848	1.841	0.007	96	130128	10.0	10.3	
5 Vinyl chloride	62	1.866	1.866	0.000	98	101587	10.0	10.1	
8 Bromomethane	94	2.159	2.158	0.001	91	71857	10.0	10.2	
9 Chloroethane	64	2.189	2.189	0.000	99	59758	10.0	10.4	
10 Dichlorofluoromethane	67	2.433	2.433	0.000	97	180008	10.0	10.2	
12 Pentane	43	2.457	2.451	0.006	96	126870	10.0	11.0	
11 Trichlorofluoromethane	101	2.476	2.476	0.000	98	116907	10.0	10.3	
14 Ethyl ether	59	2.634	2.628	0.006	96	50076	10.0	10.5	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	2.732	2.732	0.000	96	92378	10.0	10.4	
16 Acrolein	56	2.780	2.774	0.006	99	223595	97.6	95.0	
17 1,1-Dichloroethene	96	2.890	2.890	0.000	95	59061	10.0	10.8	
18 Acetone	58	2.933	2.914	0.019	83	21502	20.0	19.2	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.933	2.939	-0.006	92	73007	10.0	11.2	
20 Iodomethane	142	3.073	3.067	0.006	99	121379	10.0	10.8	
21 Isopropyl alcohol	45	3.085	3.079	0.006	29	46599	50.0	49.3	
22 Carbon disulfide	76	3.140	3.140	0.000	99	240151	10.0	10.9	M
24 Methyl acetate	43	3.274	3.262	0.012	97	85315	10.0	9.66	
25 3-Chloro-1-propene	41	3.293	3.280	0.013	90	123685	10.0	10.9	
26 Methylene Chloride	84	3.445	3.451	-0.006	97	70387	10.0	10.7	
* 27 t-Butyl alcohol-d10 (IS)	65	3.524	3.524	0.000	97	380072	250.0	250.0	
29 2-Methyl-2-propanol	59	3.616	3.646	-0.030	99	74757	50.0	47.2	
30 Acrylonitrile	53	3.750	3.737	0.013	97	115400	25.0	26.6	
31 trans-1,2-Dichloroethene	96	3.786	3.786	0.000	97	64121	10.0	11.0	
32 Methyl tert-butyl ether	73	3.799	3.798	0.001	97	203905	10.0	10.6	
33 Hexane	57	4.170	4.176	-0.006	95	91251	10.0	10.9	
34 1,1-Dichloroethane	63	4.420	4.414	0.006	96	124468	10.0	11.1	
36 Isopropyl ether	45	4.487	4.481	0.006	97	230170	10.0	10.6	
37 2-Chloro-1,3-butadiene	53	4.536	4.530	0.006	94	109028	10.0	10.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.060	5.054	0.006	100	206499	10.0	10.5	
39 2-Butanone (MEK)	43	5.304	5.292	0.012	73	122276	20.0	18.7	
40 cis-1,2-Dichloroethene	96	5.298	5.292	0.006	84	73501	10.0	10.8	
41 2,2-Dichloropropane	77	5.317	5.310	0.007	83	101489	10.0	10.6	
43 Propionitrile	54	5.414	5.402	0.012	78	98146	50.0	52.1	
44 Methyl acrylate	55	5.420	5.420	0.000	98	87958	10.0	9.02	
45 Methacrylonitrile	67	5.609	5.609	0.000	94	98572	25.0	25.3	
46 Chlorobromomethane	128	5.646	5.652	-0.006	80	33491	10.0	10.7	
47 Tetrahydrofuran	71	5.670	5.670	0.000	91	82218	50.0	52.0	
48 Chloroform	83	5.810	5.816	-0.006	94	114744	10.0	10.6	
50 1,1,1-Trichloroethane	97	6.036	6.042	-0.006	51	101369	10.0	10.8	
$ 49 Dibromofluoromethane (Surr)	113	6.042	6.042	0.000	93	265527	50.0	49.9	
51 Cyclohexane	56	6.133	6.133	0.000	94	133147	10.0	10.9	
S 54 1,2-Dichloroethene, Total	100				0			21.8	
52 Carbon tetrachloride	117	6.249	6.249	0.000	77	84473	10.0	10.9	
53 1,1-Dichloropropene	75	6.255	6.261	-0.006	94	94285	10.0	10.8	
55 Isobutyl alcohol	41	6.487	6.505	-0.018	93	74842	125.0	119.8	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.518	6.517	0.001	79	60126	50.0	49.3	
57 Benzene	78	6.536	6.536	0.000	95	277119	10.0	10.7	
58 1,2-Dichloroethane	62	6.627	6.621	0.006	97	85411	10.0	10.5	
60 Tert-amyl methyl ether	73	6.749	6.749	0.000	98	186297	10.0	10.3	
* 61 Fluorobenzene (IS)	96	6.969	6.969	0.000	98	1053460	50.0	50.0	
62 n-Heptane	43	6.993	6.987	0.006	97	90396	10.0	11.1	
63 n-Butanol	56	7.414	7.420	-0.006	91	47705	125.0	116.8	
64 Trichloroethene	95	7.469	7.468	0.001	98	67451	10.0	10.6	
65 Ethyl acrylate	55	7.615	7.621	-0.006	98	91923	10.0	9.25	
66 Methylcyclohexane	83	7.773	7.773	0.000	94	114611	10.0	11.1	
67 1,2-Dichloropropane	63	7.816	7.822	-0.006	95	69395	10.0	10.3	
68 2-ethoxy-2-methyl butane	87	7.840	7.840	0.000	87	85193	10.0	10.5	
69 1,4-Dioxane	88	7.907	7.926	-0.019	67	11786	125.0	126.7	M
70 Dibromomethane	93	7.932	7.926	0.006	79	40856	10.0	10.3	
71 Methyl methacrylate	69	7.932	7.932	0.000	94	54035	10.0	9.86	
74 Dichlorobromomethane	83	8.188	8.188	0.000	99	77963	10.0	10.2	
75 2-Nitropropane	41	8.493	8.493	0.000	99	142061	50.0	49.2	
76 2-Chloroethyl vinyl ether	63	8.584	8.590	-0.006	91	41672	10.0	9.50	
77 cis-1,3-Dichloropropene	75	8.773	8.773	0.000	94	97896	10.0	10.1	
78 4-Methyl-2-pentanone (MIBK)	43	8.987	8.986	0.001	98	248226	20.0	19.2	
$ 79 Toluene-d8 (Surr)	98	9.115	9.114	0.001	94	981114	50.0	49.7	
80 Toluene	92	9.200	9.200	0.000	97	158616	10.0	10.7	
84 trans-1,3-Dichloropropene	75	9.511	9.511	0.000	95	83070	10.0	10.0	
85 Ethyl methacrylate	69	9.596	9.596	0.000	92	97515	10.0	10.2	
86 1,1,2-Trichloroethane	97	9.736	9.736	0.000	91	52703	10.0	10.2	
87 Tetrachloroethene	166	9.810	9.809	0.001	98	67337	10.0	10.8	
88 1,3-Dichloropropane	76	9.913	9.913	0.000	95	86454	10.0	10.2	
90 2-Hexanone	43	9.986	9.986	0.000	99	175194	20.0	19.4	
S 97 1,3-Dichloropropene, Total	100				0			20.1	
91 Chlorodibromomethane	129	10.139	10.139	0.000	90	54365	10.0	9.91	
96 Ethylene Dibromide	107	10.255	10.254	0.001	98	56076	10.0	10.4	
* 98 Chlorobenzene-d5 (IS)	117	10.724	10.724	0.000	87	732459	50.0	50.0	
100 1-Chlorohexane	91	10.748	10.748	0.000	72	80780	10.0	10.4	
99 Chlorobenzene	112	10.754	10.754	0.000	92	164219	10.0	10.5	
128 1,1,1,2-Tetrachloroethane	131	10.846	10.846	0.000	95	60313	10.0	10.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
129 Ethylbenzene	91	10.852	10.852	0.000	99	319188	10.0	10.6	
130 m-Xylene & p-Xylene	106	10.980	10.980	0.000	99	238450	20.0	21.3	
S 134 Xylenes, Total	106				0			31.9	
131 n-Butyl acrylate	55	11.297	11.297	0.000	95	142242	10.0	9.93	
132 o-Xylene	106	11.328	11.327	0.001	97	122369	10.0	10.6	
133 Styrene	104	11.346	11.346	0.000	96	188738	10.0	10.5	
135 Bromoform	173	11.504	11.504	0.000	96	41867	10.0	9.76	
136 Isopropylbenzene	105	11.645	11.651	-0.006	96	284539	10.0	10.7	
137 Cyclohexanone	55	11.724	11.724	0.000	94	110151	250.0	257.1	
$ 140 4-Bromofluorobenzene (Surr)	95	11.791	11.797	-0.006	90	369549	50.0	50.6	
143 Bromobenzene	156	11.913	11.913	0.000	96	70510	10.0	10.4	
144 1,1,2,2-Tetrachloroethane	83	11.913	11.913	0.000	93	104572	10.0	10.0	
145 trans-1,4-Dichloro-2-butene	53	11.943	11.943	0.000	90	71620	25.0	25.3	
146 1,2,3-Trichloropropane	110	11.955	11.955	0.000	85	28335	10.0	10.5	
147 N-Propylbenzene	91	11.992	11.992	0.000	99	374964	10.0	10.6	
148 2-Chlorotoluene	126	12.065	12.065	0.000	95	70625	10.0	10.4	M
149 1,3,5-Trimethylbenzene	105	12.138	12.138	0.000	94	250825	10.0	10.4	
150 4-Chlorotoluene	126	12.163	12.169	-0.006	97	69328	10.0	10.7	M
152 tert-Butylbenzene	134	12.388	12.388	0.000	94	40252	10.0	10.1	
154 1,2,4-Trimethylbenzene	105	12.437	12.437	0.000	98	257891	10.0	10.4	
155 sec-Butylbenzene	105	12.559	12.559	0.000	94	305104	10.0	10.4	
156 1,3-Dichlorobenzene	146	12.657	12.656	0.001	98	133701	10.0	10.6	a
157 4-Isopropyltoluene	119	12.675	12.675	0.000	97	255711	10.0	10.3	a
* 158 1,4-Dichlorobenzene-d4	152	12.718	12.711	0.007	95	403129	50.0	50.0	
159 1,4-Dichlorobenzene	146	12.736	12.736	0.000	96	132997	10.0	10.4	a
160 1,2,3-Trimethylbenzene	105	12.748	12.748	0.000	99	263082	10.0	10.4	a
164 Benzyl chloride	91	12.815	12.821	-0.006	98	199310	10.0	10.3	a
165 1,3-Diethylbenzene	119	12.882	12.882	0.000	95	145332	10.0	10.3	a
166 p-Diethylbenzene	119	12.955	12.961	-0.006	93	155098	10.0	10.4	a
167 n-Butylbenzene	92	12.980	12.980	0.000	98	131182	10.0	10.5	
168 1,2-Dichlorobenzene	146	13.004	13.004	0.000	98	132495	10.0	10.2	
169 o-diethylbenzene	119	13.035	13.034	0.001	96	119871	10.0	10.3	a
170 1,2-Dibromo-3-Chloropropane	75	13.565	13.565	0.000	82	28293	10.0	10.0	
171 1,3,5-Trichlorobenzene	180	13.693	13.693	0.000	97	92444	10.0	10.2	
173 1,2,4-Trichlorobenzene	180	14.126	14.126	0.000	94	86910	10.0	10.1	
175 2-Ethylhexyl acrylate	55	14.205	14.211	-0.006	82	81863	10.0	9.07	
174 Hexachlorobutadiene	225	14.217	14.217	0.000	93	33812	10.0	10.3	
176 Naphthalene	128	14.315	14.315	0.000	97	345783	10.0	10.2	
177 1,2,3-Trichlorobenzene	180	14.461	14.461	0.000	95	85442	10.0	10.0	
178 2-Methylnaphthalene	142	15.071	15.071	0.000	93	158278	10.0	9.85	
S 182 Total Diethylbenzene	1				0			31.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_CYC_00011	Amount Added:	8.00	Units: uL	
MSV_CCV_GASES_00961	Amount Added:	1.00	Units: uL	
MSV_CCV_VOC#3_00225	Amount Added:	1.60	Units: uL	
MSV_CCV_2CEVE_00216	Amount Added:	2.00	Units: uL	
MSV_CCV_EE_00008	Amount Added:	2.00	Units: uL	
MSV_CCV_VOC#1_00224	Amount Added:	2.00	Units: uL	
MSV_CCV_OH_Sp_00019	Amount Added:	2.00	Units: uL	
MSV_Cent_ISSS_00034	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 27-Feb-2025 12:27:23 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X13.D

Injection Date: 24-Feb-2025 19:47:30 Instrument ID: 26285 Operator ID: knk41612

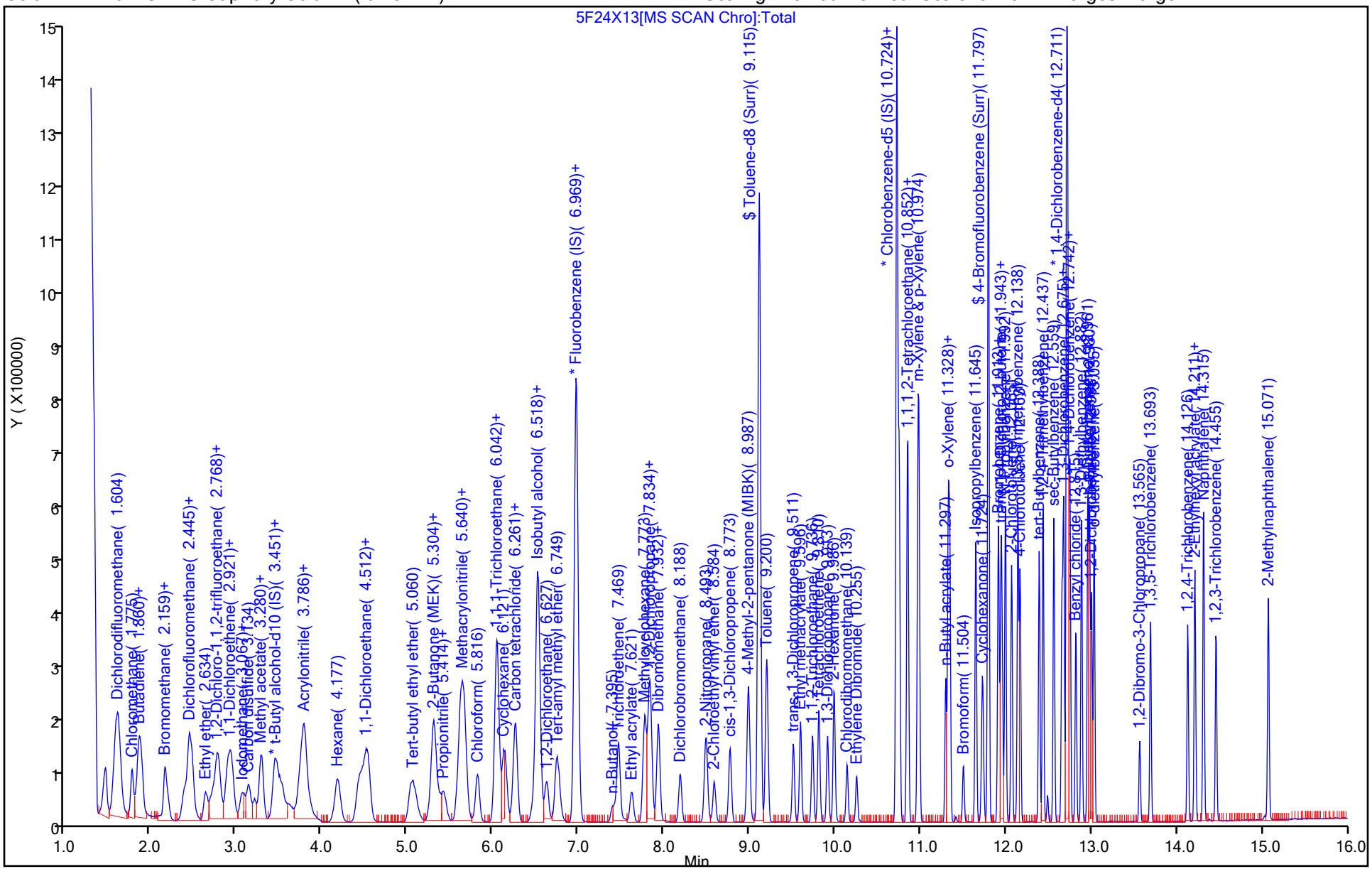
Lims ID: IC v10 Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 13

Method: MSVoa_26285a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

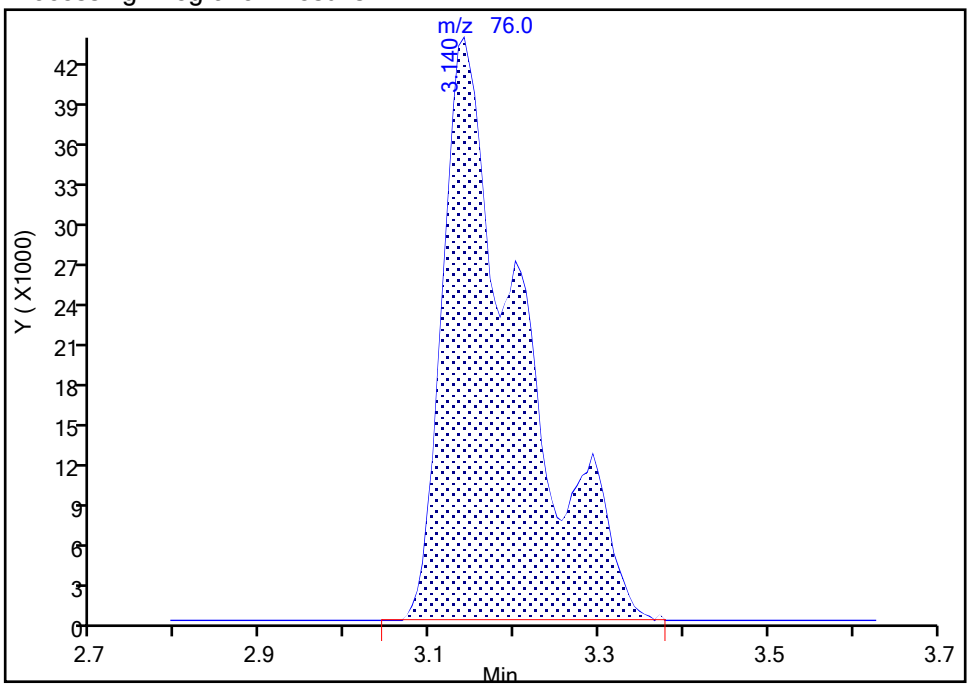
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X13.D
Injection Date: 24-Feb-2025 19:47:30 Instrument ID: 26285
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

22 Carbon disulfide, CAS: 75-15-0

Signal: 1

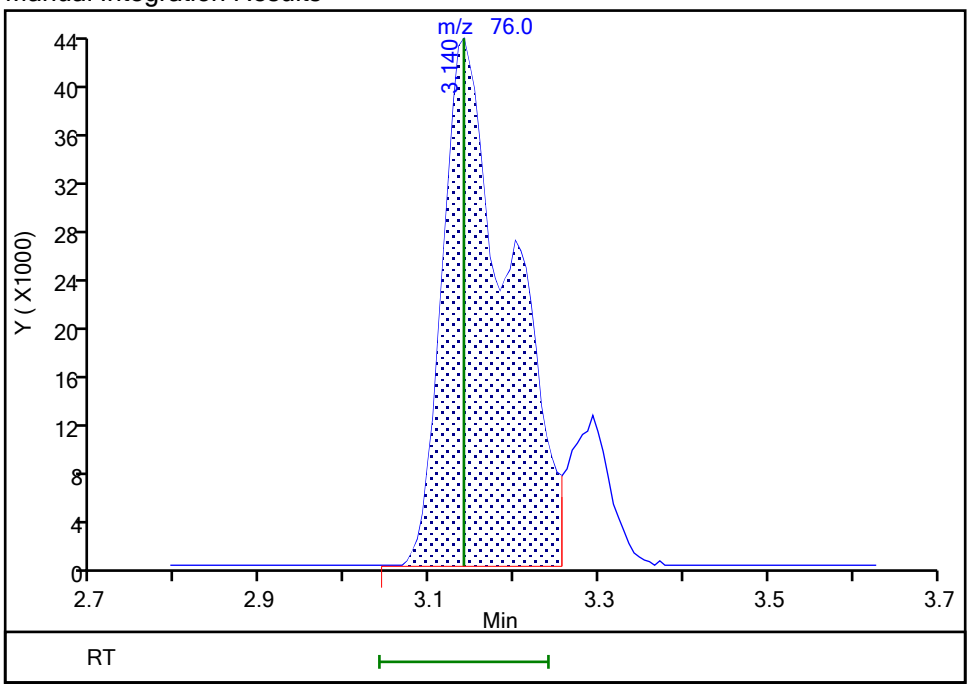
Processing Integration Results

RT: 3.14
Area: 278673
Amount: 11.746242
Amount Units: ug/l



Manual Integration Results

RT: 3.14
Area: 240151
Amount: 10.947896
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:48:08 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

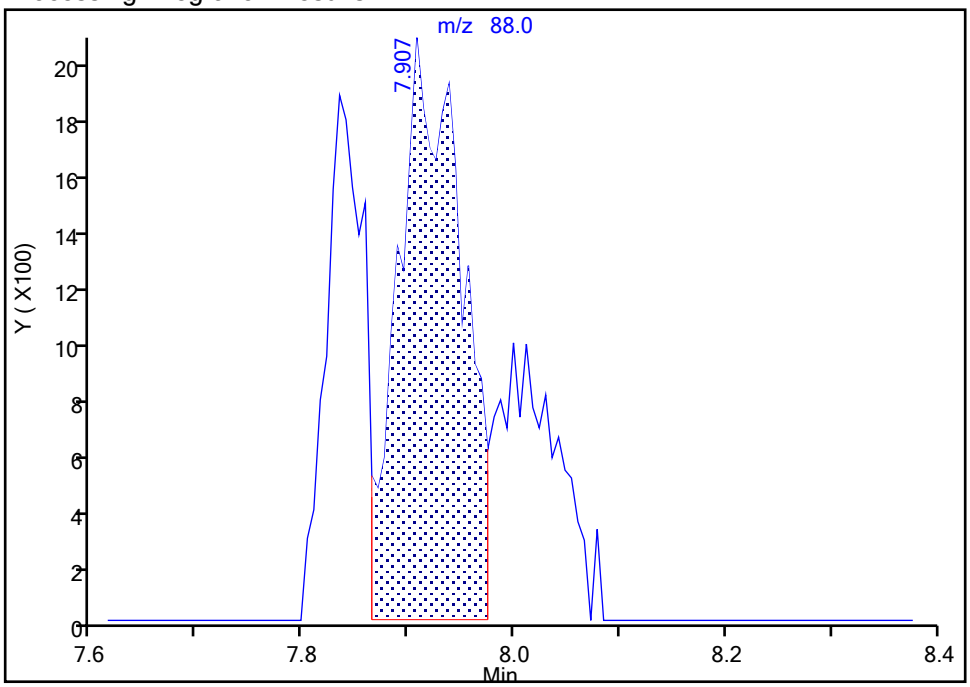
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X13.D
Injection Date: 24-Feb-2025 19:47:30 Instrument ID: 26285
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

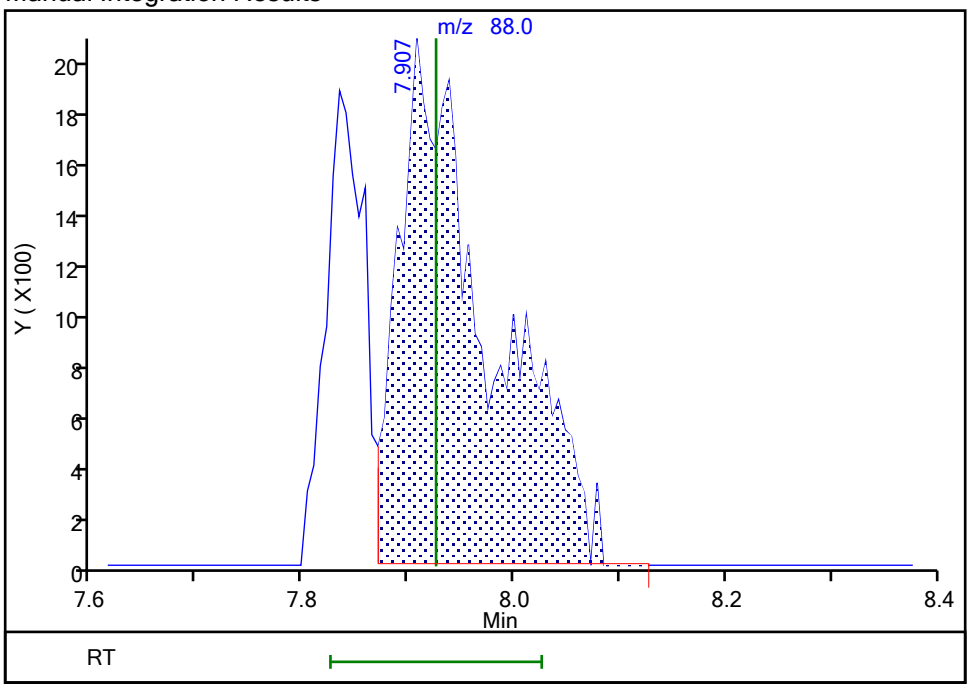
Processing Integration Results

RT: 7.91
Area: 8482
Amount: 95.676852
Amount Units: ug/l



Manual Integration Results

RT: 7.91
Area: 11786
Amount: 126.6523
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:49:04 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

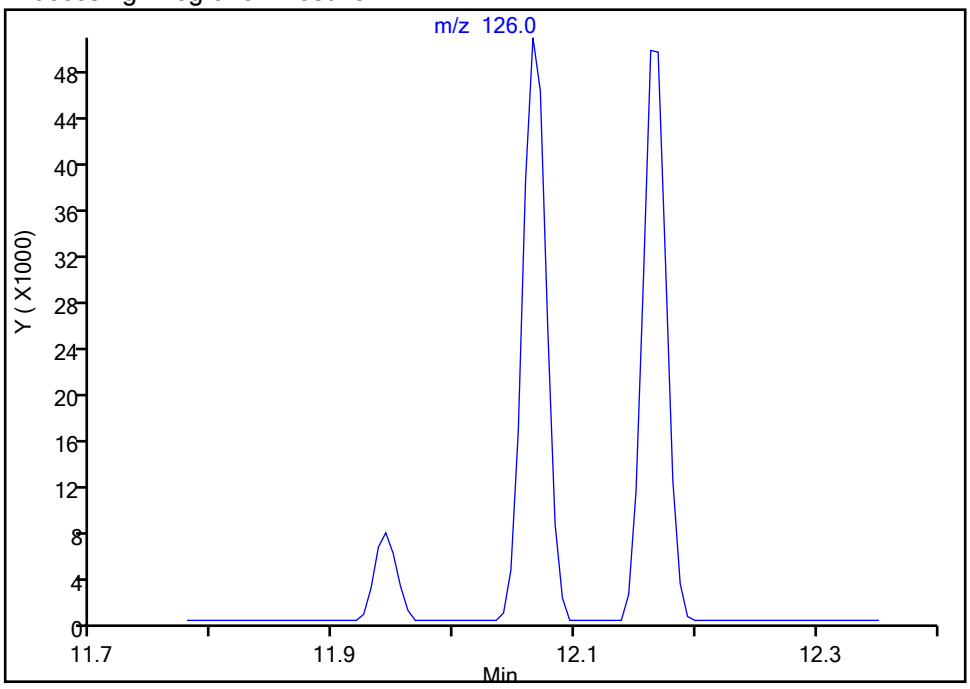
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X13.D
Injection Date: 24-Feb-2025 19:47:30 Instrument ID: 26285
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

148 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

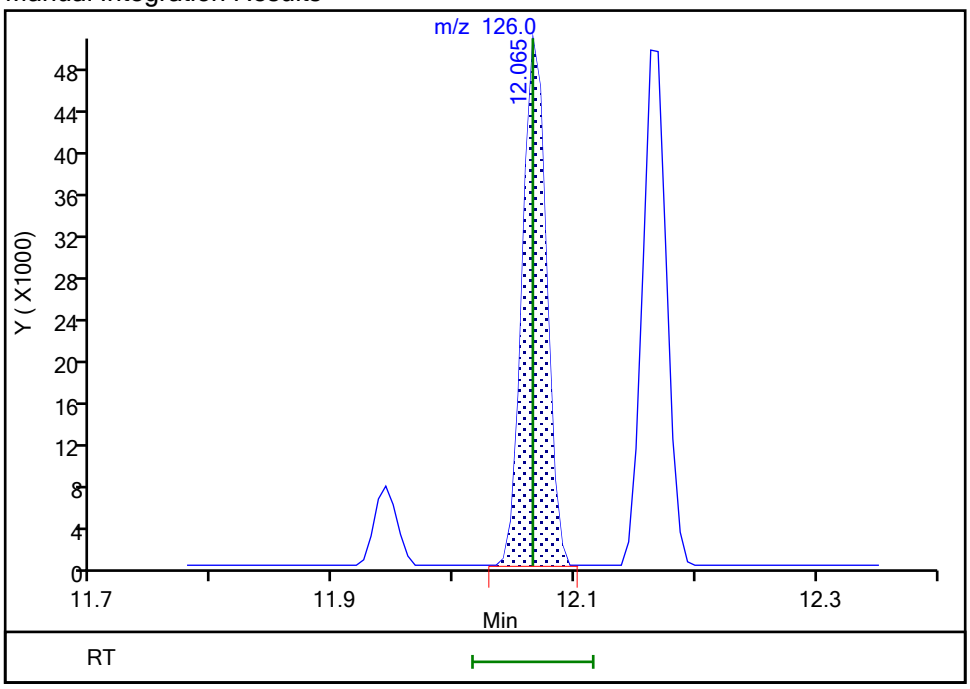
Not Detected
Expected RT: 12.07

Processing Integration Results



Manual Integration Results

RT: 12.07
Area: 70625
Amount: 10.375807
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:47:07 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

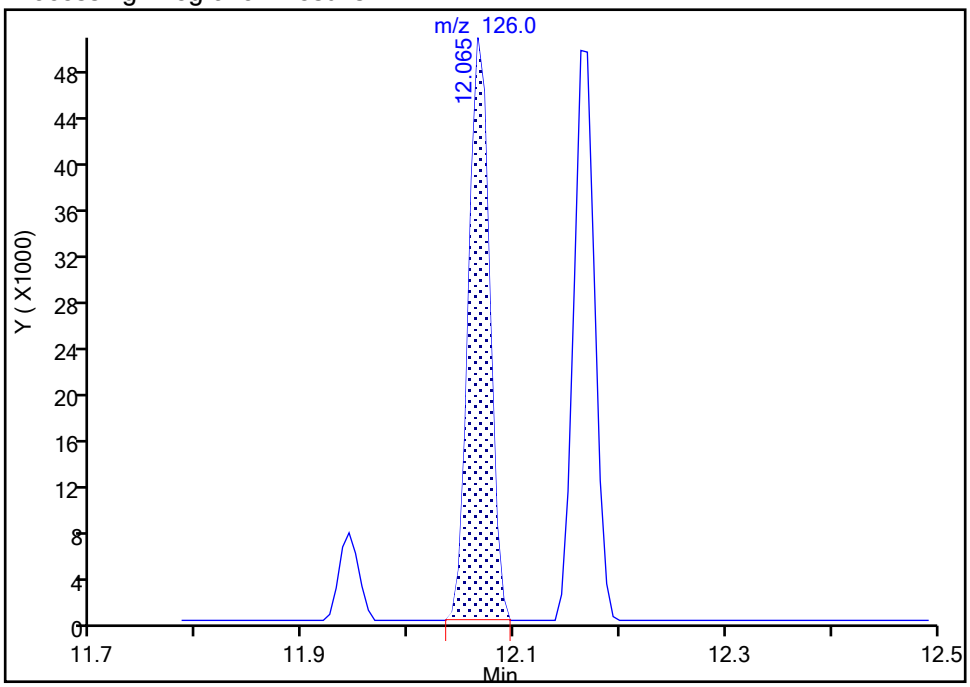
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X13.D
Injection Date: 24-Feb-2025 19:47:30 Instrument ID: 26285
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

150 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

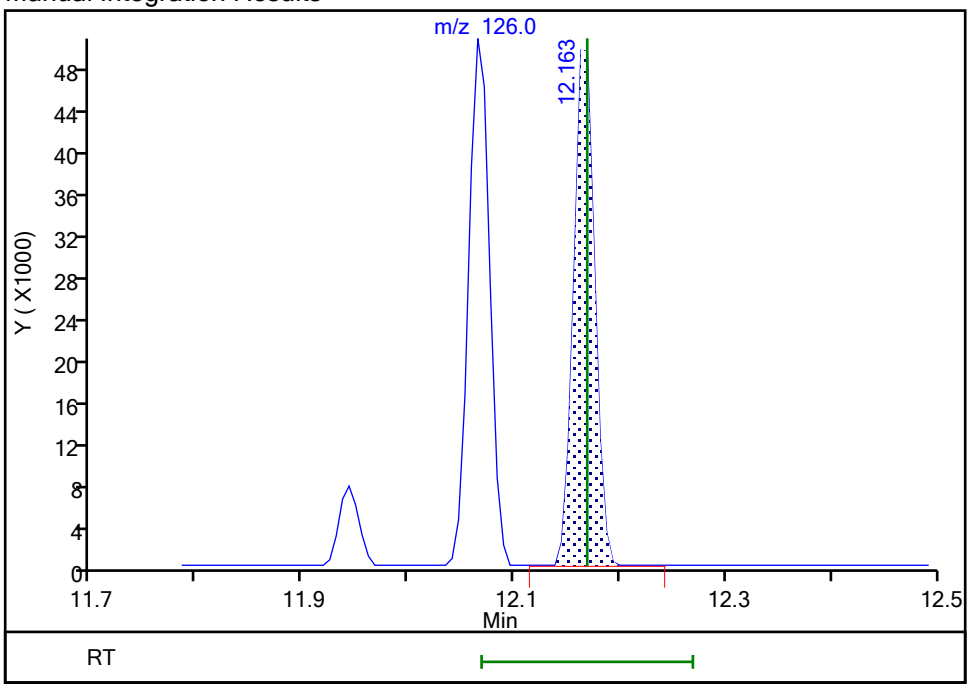
Processing Integration Results

RT: 12.07
Area: 70635
Amount: 10.839706
Amount Units: ug/l



Manual Integration Results

RT: 12.16
Area: 69328
Amount: 10.669705
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:47:17 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Wrong peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

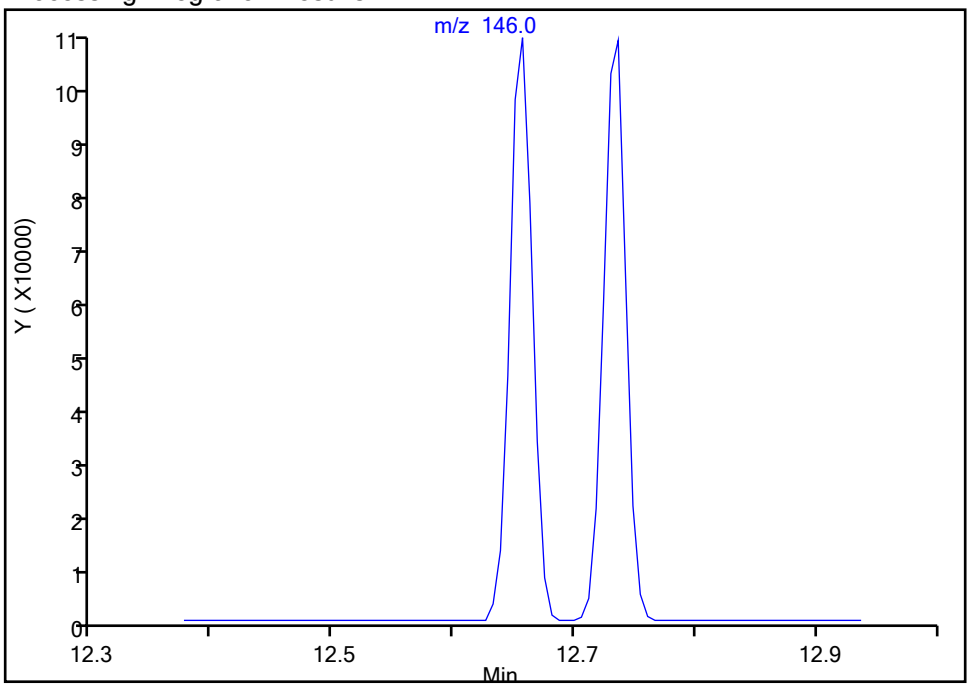
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X13.D
Injection Date: 24-Feb-2025 19:47:30 Instrument ID: 26285
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

156 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

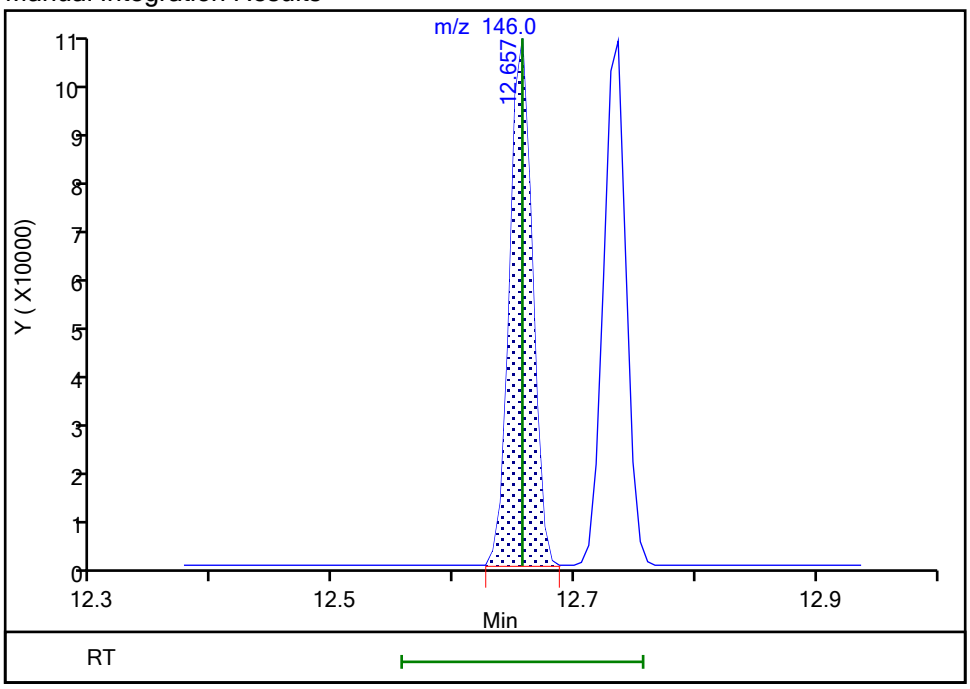
Not Detected
Expected RT: 12.66

Processing Integration Results



Manual Integration Results

RT: 12.66
Area: 133701
Amount: 10.616073
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:45:22 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

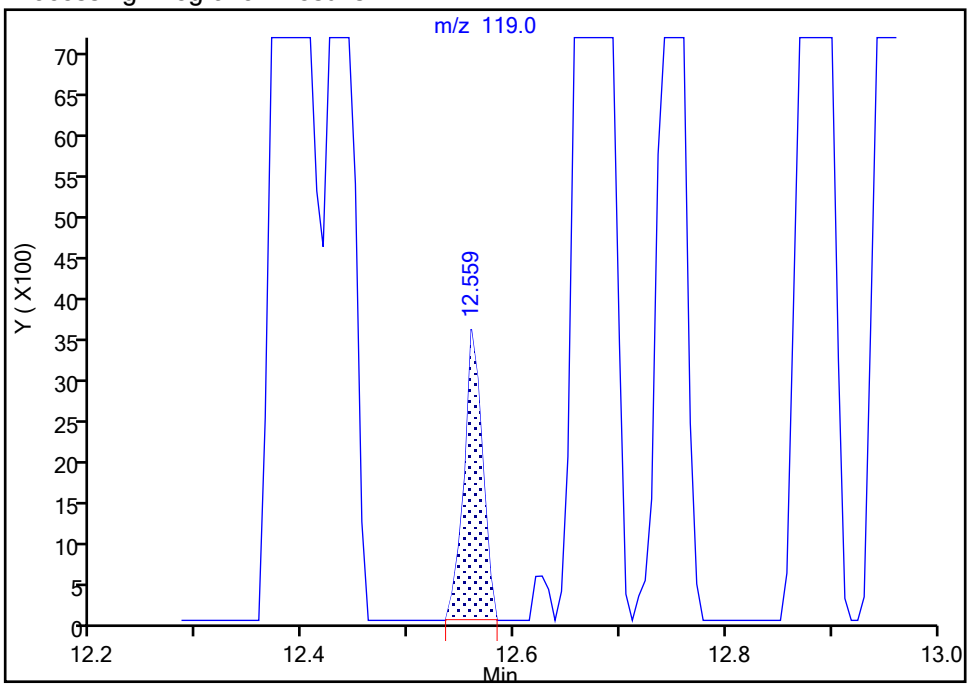
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X13.D
Injection Date: 24-Feb-2025 19:47:30 Instrument ID: 26285
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

157 4-Isopropyltoluene, CAS: 99-87-6

Signal: 1

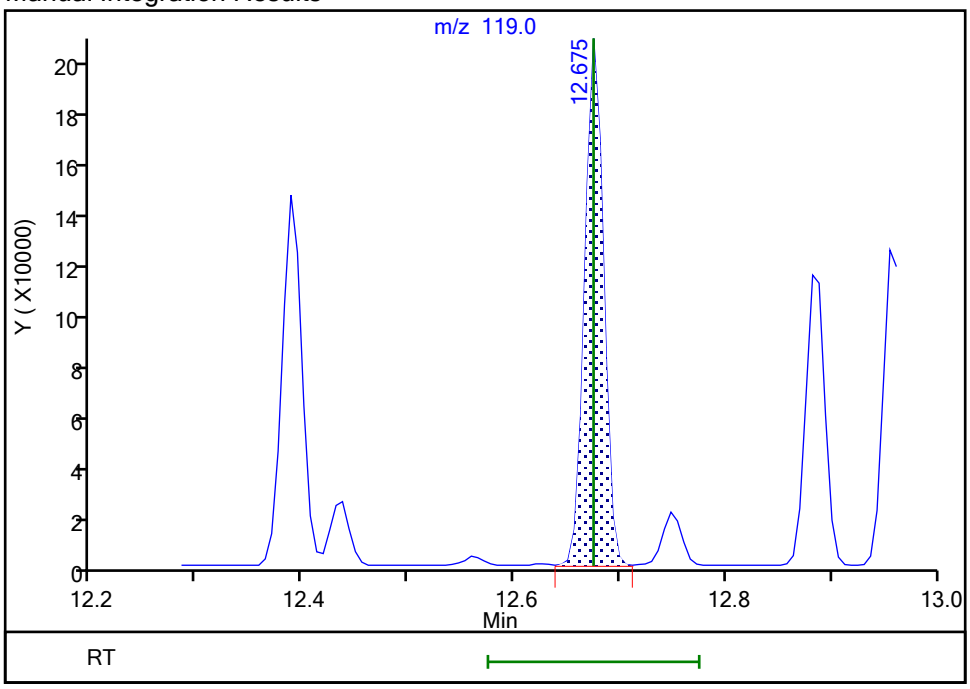
Processing Integration Results

RT: 12.56
Area: 4285
Amount: 0.276314
Amount Units: ug/l



Manual Integration Results

RT: 12.67
Area: 255711
Amount: 10.251008
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:45:31 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

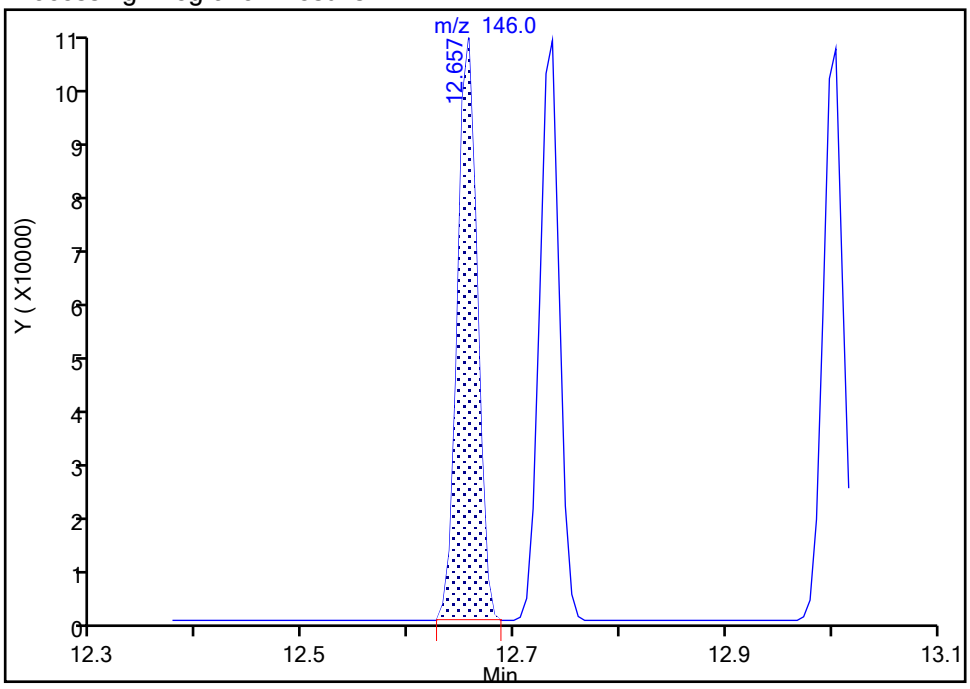
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X13.D
Injection Date: 24-Feb-2025 19:47:30 Instrument ID: 26285
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

159 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

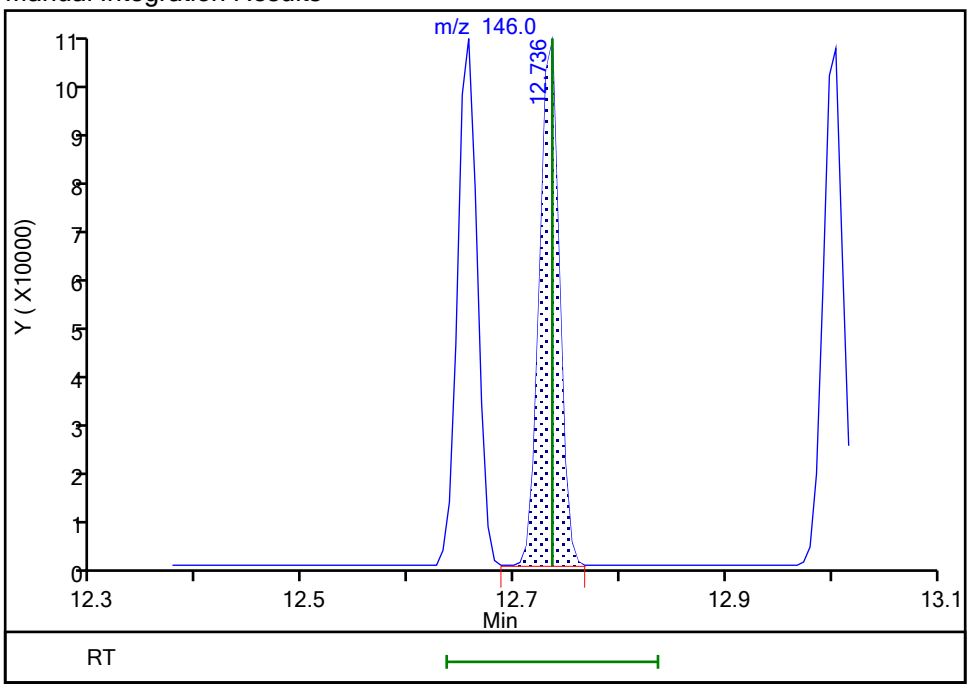
Processing Integration Results

RT: 12.66
Area: 133701
Amount: 10.304531
Amount Units: ug/l



Manual Integration Results

RT: 12.74
Area: 132997
Amount: 10.426239
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:45:42 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

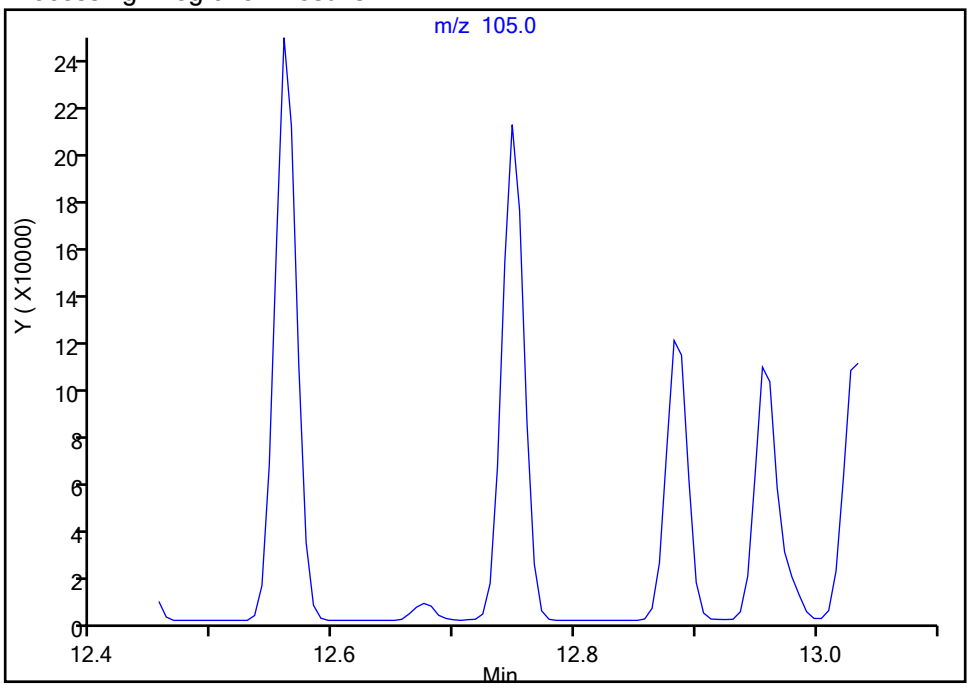
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X13.D
Injection Date: 24-Feb-2025 19:47:30 Instrument ID: 26285
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

160 1,2,3-Trimethylbenzene, CAS: 526-73-8

Signal: 1

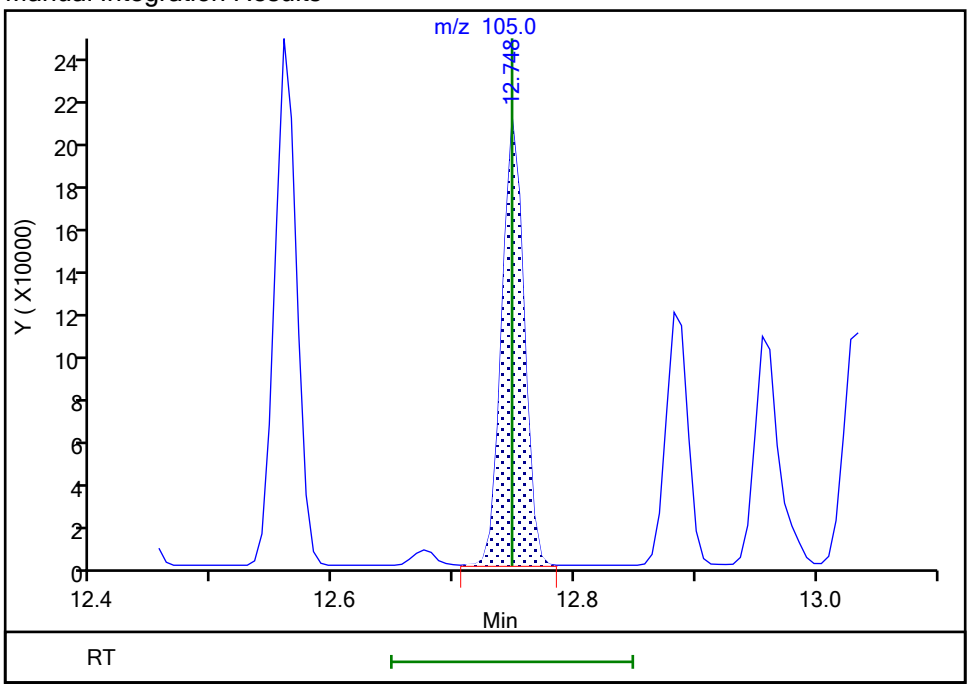
Not Detected
Expected RT: 12.75

Processing Integration Results



Manual Integration Results

RT: 12.75
Area: 263082
Amount: 10.388917
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:45:52 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

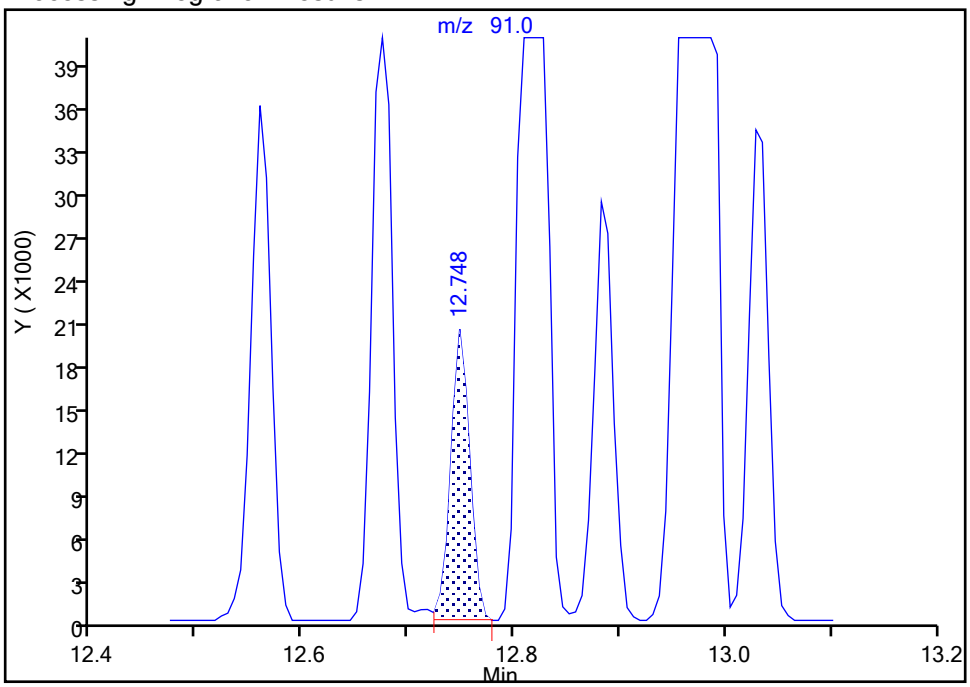
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X13.D
Injection Date: 24-Feb-2025 19:47:30 Instrument ID: 26285
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

164 Benzyl chloride, CAS: 100-44-7

Signal: 1

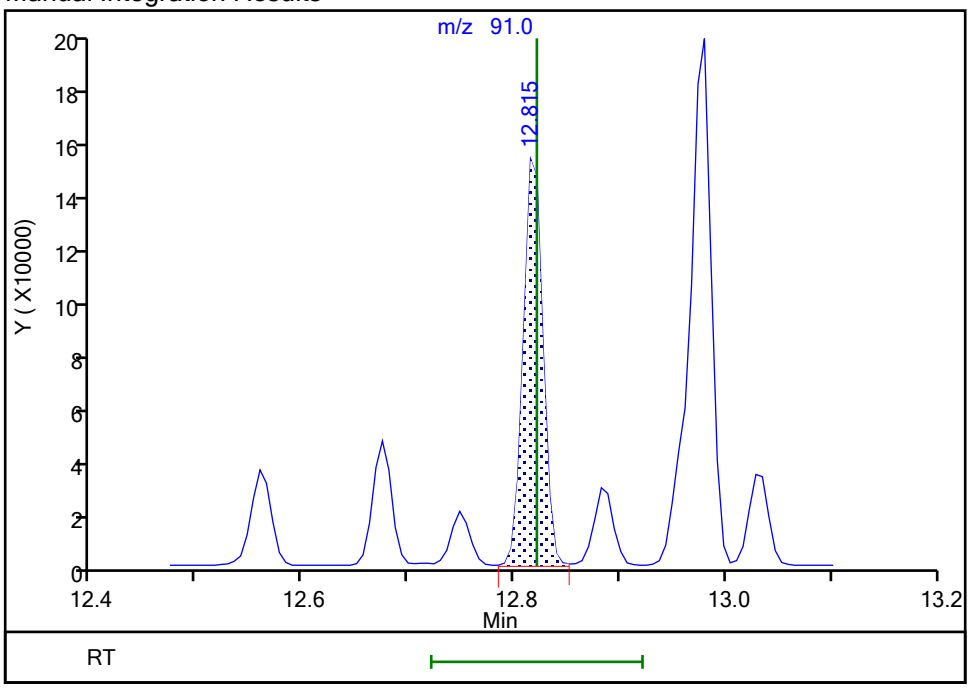
RT: 12.75
Area: 25585
Amount: 2.007402
Amount Units: ug/l

Processing Integration Results



RT: 12.82
Area: 199310
Amount: 10.283627
Amount Units: ug/l

Manual Integration Results



Reviewer: TQ4J, 25-Feb-2025 06:46:04 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

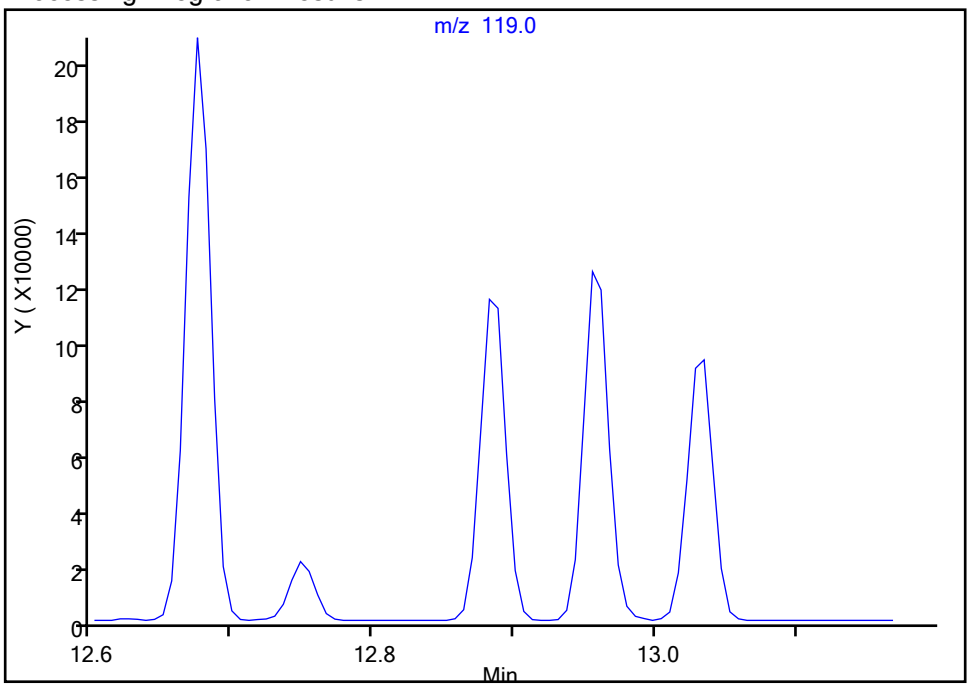
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X13.D
Injection Date: 24-Feb-2025 19:47:30 Instrument ID: 26285
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

165 1,3-Diethylbenzene, CAS: 141-93-5

Signal: 1

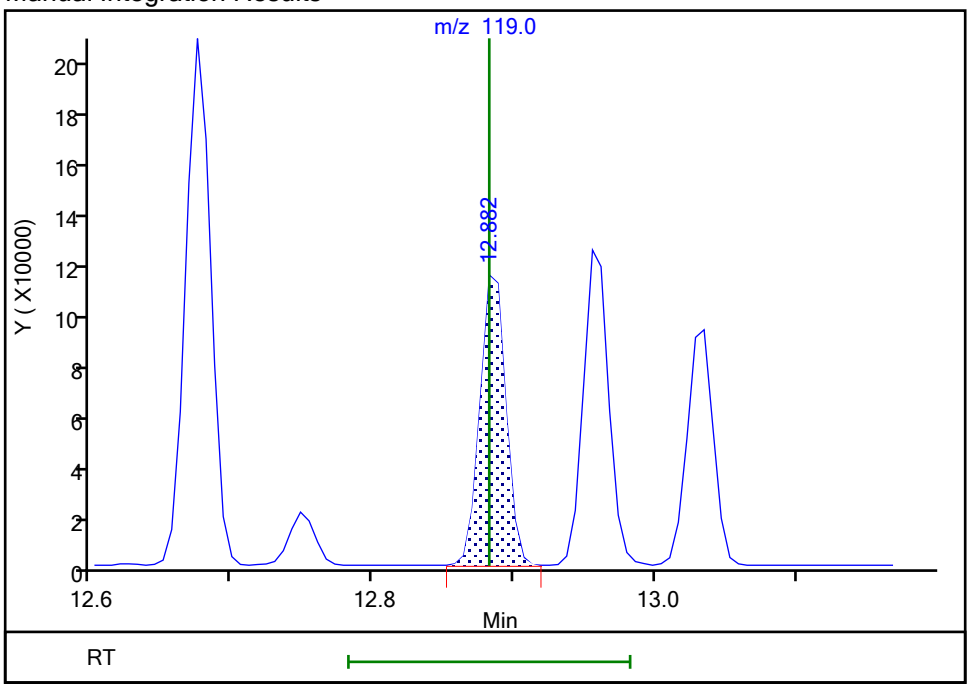
Not Detected
Expected RT: 12.88

Processing Integration Results



Manual Integration Results

RT: 12.88
Area: 145332
Amount: 10.336914
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:46:12 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

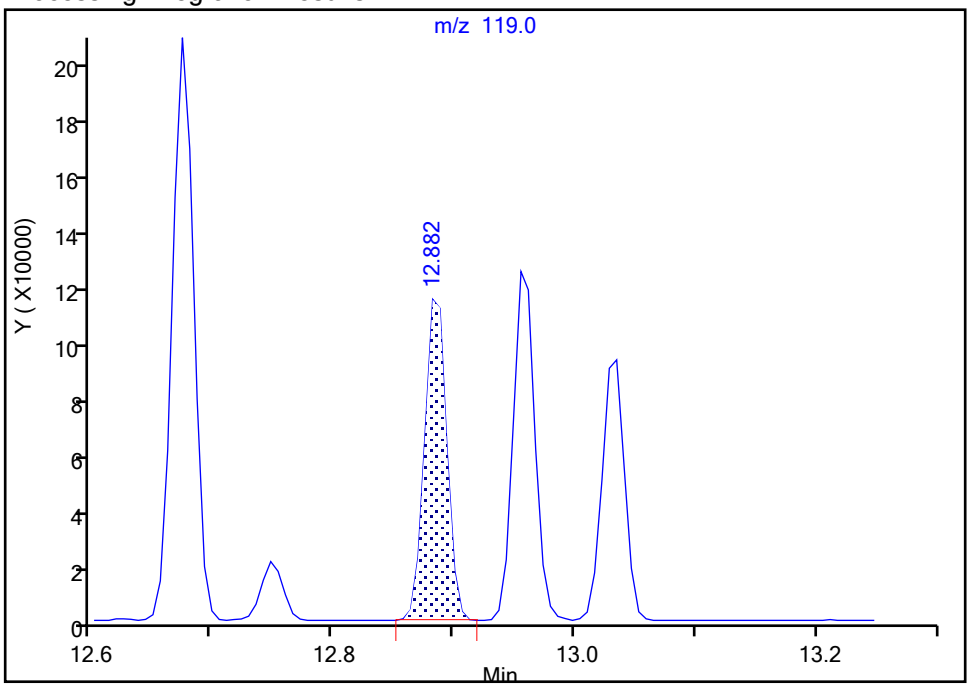
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X13.D
Injection Date: 24-Feb-2025 19:47:30 Instrument ID: 26285
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

166 p-Diethylbenzene, CAS: 105-05-5

Signal: 1

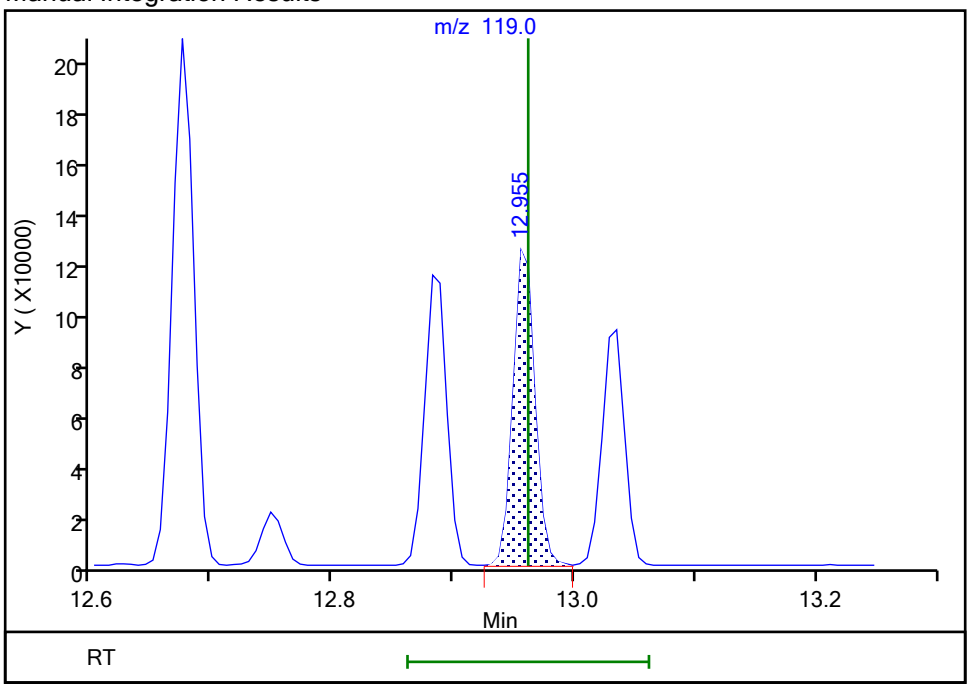
Processing Integration Results

RT: 12.88
Area: 145332
Amount: 10.069223
Amount Units: ug/l



Manual Integration Results

RT: 12.96
Area: 155098
Amount: 10.365126
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:46:21 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

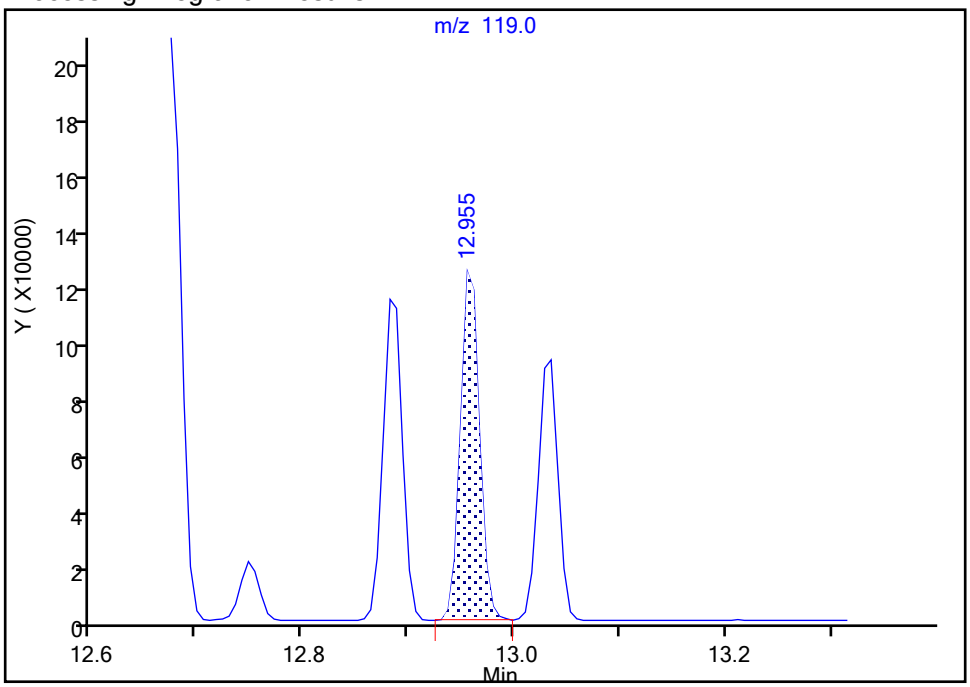
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X13.D
Injection Date: 24-Feb-2025 19:47:30 Instrument ID: 26285
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

169 o-diethylbenzene, CAS: 135-01-3

Signal: 1

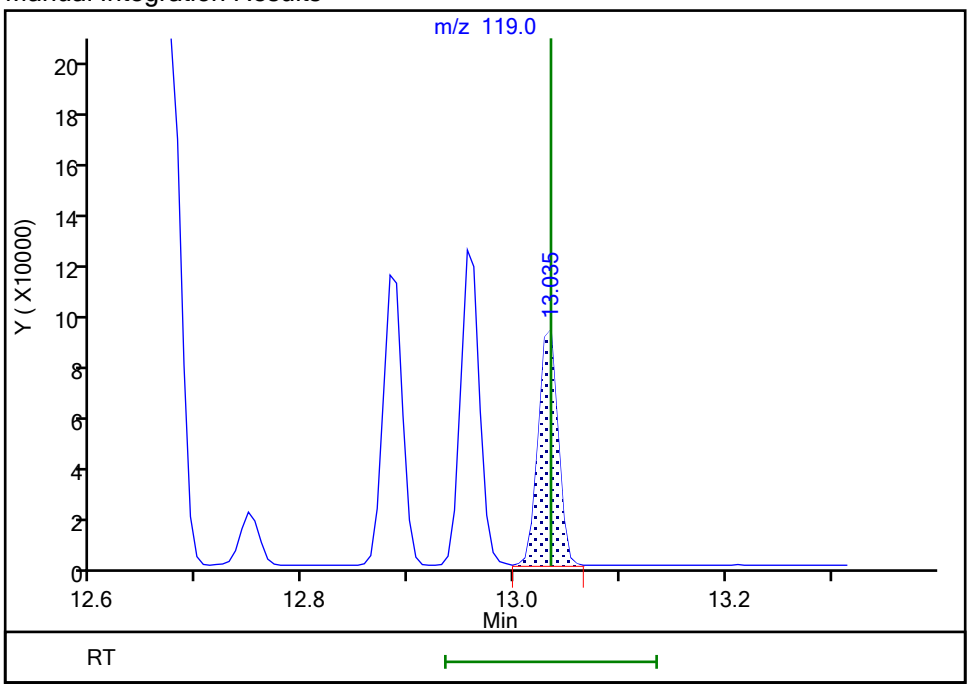
Processing Integration Results

RT: 12.96
Area: 155098
Amount: 12.655943
Amount Units: ug/l



Manual Integration Results

RT: 13.03
Area: 119871
Amount: 10.269542
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:46:32 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X14.D
Lims ID: IC v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 24-Feb-2025 20:08:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0138970-015
Misc. Info.: IC V20
Operator ID: knk41612 Instrument ID: 26285
Sublist: chrom-MSVoa_26285a*sub89

Method: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 27-Feb-2025 12:27:35 Calib Date: 24-Feb-2025 21:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: TQ4J Date: 25-Feb-2025 06:54:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.598	1.598	0.000	52	226239	20.0	20.7	
4 Chloromethane	50	1.775	1.774	0.000	99	238058	20.0	20.2	
6 Butadiene	39	1.854	1.841	0.013	98	265234	20.0	20.5	
5 Vinyl chloride	62	1.866	1.866	0.000	98	212435	20.0	20.8	
8 Bromomethane	94	2.159	2.158	0.001	91	151094	20.0	21.1	
9 Chloroethane	64	2.189	2.189	0.000	99	122592	20.0	20.9	
10 Dichlorofluoromethane	67	2.439	2.433	0.006	97	371077	20.0	20.6	
12 Pentane	43	2.457	2.451	0.006	97	227623	20.0	19.4	
11 Trichlorofluoromethane	101	2.476	2.476	0.000	99	238681	20.0	20.7	
14 Ethyl ether	59	2.634	2.628	0.006	97	97523	20.0	20.2	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	2.732	2.732	0.000	95	189871	20.0	20.9	
16 Acrolein	56	2.774	2.774	0.000	98	492202	195.2	207.2	
17 1,1-Dichloroethene	96	2.902	2.890	0.012	96	107332	20.0	19.3	
18 Acetone	58	2.933	2.914	0.019	99	47902	40.0	42.5	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.939	2.939	0.000	95	132840	20.0	20.0	
20 Iodomethane	142	3.073	3.067	0.006	98	222649	20.0	19.5	
21 Isopropyl alcohol	45	3.134	3.079	0.055	34	113006	100.0	118.6	
22 Carbon disulfide	76	3.134	3.140	-0.006	99	432783	20.0	19.4	M
24 Methyl acetate	43	3.274	3.262	0.012	74	167776	20.0	18.7	
25 3-Chloro-1-propene	41	3.286	3.280	0.006	89	215902	20.0	18.7	
26 Methylene Chloride	84	3.445	3.451	-0.006	97	126628	20.0	18.9	
* 27 t-Butyl alcohol-d10 (IS)	65	3.530	3.524	0.006	97	383454	250.0	250.0	
29 2-Methyl-2-propanol	59	3.622	3.646	-0.024	100	179420	100.0	112.3	
30 Acrylonitrile	53	3.738	3.737	0.001	99	220691	50.0	49.9	
31 trans-1,2-Dichloroethene	96	3.786	3.786	0.000	96	115471	20.0	19.5	
32 Methyl tert-butyl ether	73	3.805	3.798	0.007	91	375380	20.0	19.2	
33 Hexane	57	4.176	4.176	0.000	96	170757	20.0	20.1	
34 1,1-Dichloroethane	63	4.420	4.414	0.006	96	224021	20.0	19.5	
36 Isopropyl ether	45	4.481	4.481	0.000	96	433941	20.0	19.6	
37 2-Chloro-1,3-butadiene	53	4.530	4.530	0.000	92	197404	20.0	19.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.060	5.054	0.006	100	397717	20.0	19.8	
39 2-Butanone (MEK)	43	5.298	5.292	0.006	83	264168	40.0	39.8	
40 cis-1,2-Dichloroethene	96	5.298	5.292	0.006	84	134191	20.0	19.4	
41 2,2-Dichloropropane	77	5.310	5.310	0.000	89	186820	20.0	19.2	
43 Propionitrile	54	5.402	5.402	0.000	96	195991	100.0	103.2	
44 Methyl acrylate	55	5.420	5.420	0.000	99	195325	20.0	19.7	
45 Methacrylonitrile	67	5.615	5.609	0.006	95	202618	50.0	51.1	
46 Chlorobromomethane	128	5.646	5.652	-0.006	92	62537	20.0	19.7	
47 Tetrahydrofuran	71	5.664	5.670	-0.006	91	159494	100.0	100.0	
48 Chloroform	83	5.816	5.816	0.000	94	217563	20.0	19.8	
50 1,1,1-Trichloroethane	97	6.042	6.042	0.000	65	188049	20.0	19.7	
$ 49 Dibromofluoromethane (Surr)	113	6.042	6.042	0.000	93	271058	50.0	50.0	
51 Cyclohexane	56	6.127	6.133	-0.006	94	242375	20.0	19.5	
S 54 1,2-Dichloroethene, Total	100				0			38.9	
52 Carbon tetrachloride	117	6.249	6.249	0.000	97	152532	20.0	19.3	
53 1,1-Dichloropropene	75	6.261	6.261	0.000	95	173920	20.0	19.6	
55 Isobutyl alcohol	41	6.505	6.505	0.000	94	172157	250.0	273.2	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.517	6.517	0.000	84	60863	50.0	49.0	
57 Benzene	78	6.536	6.536	0.000	96	508566	20.0	19.3	
58 1,2-Dichloroethane	62	6.627	6.621	0.006	97	163430	20.0	19.6	
60 Tert-amyl methyl ether	73	6.749	6.749	0.000	98	370985	20.0	20.1	
* 61 Fluorobenzene (IS)	96	6.969	6.969	0.000	98	1072731	50.0	50.0	
62 n-Heptane	43	6.993	6.987	0.006	98	164527	20.0	19.8	
63 n-Butanol	56	7.408	7.420	-0.012	92	117085	250.0	284.2	
64 Trichloroethene	95	7.462	7.468	-0.006	98	126724	20.0	19.6	
65 Ethyl acrylate	55	7.621	7.621	0.000	99	197612	20.0	19.5	
66 Methylcyclohexane	83	7.773	7.773	0.000	93	209455	20.0	19.8	
67 1,2-Dichloropropane	63	7.816	7.822	-0.006	95	135363	20.0	19.8	
68 2-ethoxy-2-methyl butane	87	7.840	7.840	0.000	88	168725	20.0	20.3	
69 1,4-Dioxane	88	7.914	7.926	-0.012	32	25822	250.0	275.0	
70 Dibromomethane	93	7.932	7.926	0.006	93	82820	20.0	20.5	
71 Methyl methacrylate	69	7.932	7.932	0.000	94	115004	20.0	20.6	
74 Dichlorobromomethane	83	8.188	8.188	0.000	99	158790	20.0	20.4	
75 2-Nitropropane	41	8.487	8.493	-0.006	98	310758	100.0	106.7	
76 2-Chloroethyl vinyl ether	63	8.584	8.590	-0.006	92	94020	20.0	21.0	
77 cis-1,3-Dichloropropene	75	8.773	8.773	0.000	94	199092	20.0	20.1	
78 4-Methyl-2-pentanone (MIBK)	43	8.987	8.986	0.001	98	570692	40.0	43.3	
$ 79 Toluene-d8 (Surr)	98	9.115	9.114	0.001	94	1012233	50.0	50.3	
80 Toluene	92	9.200	9.200	0.000	97	304060	20.0	20.1	
84 trans-1,3-Dichloropropene	75	9.511	9.511	0.000	96	175507	20.0	20.7	
85 Ethyl methacrylate	69	9.596	9.596	0.000	92	211360	20.0	21.6	
86 1,1,2-Trichloroethane	97	9.736	9.736	0.000	91	112836	20.0	21.3	
87 Tetrachloroethene	166	9.810	9.809	0.001	97	127223	20.0	20.0	
88 1,3-Dichloropropane	76	9.913	9.913	0.000	95	182122	20.0	21.2	
90 2-Hexanone	43	9.986	9.986	0.000	99	411290	40.0	44.6	
S 97 1,3-Dichloropropene, Total	100				0			40.8	
91 Chlorodibromomethane	129	10.139	10.139	0.000	91	118615	20.0	21.2	
96 Ethylene Dibromide	107	10.255	10.254	0.001	99	115009	20.0	20.8	
* 98 Chlorobenzene-d5 (IS)	117	10.724	10.724	0.000	86	747124	50.0	50.0	
100 1-Chlorohexane	91	10.748	10.748	0.000	71	157523	20.0	19.8	
99 Chlorobenzene	112	10.748	10.754	-0.006	91	329809	20.0	20.6	
128 1,1,1,2-Tetrachloroethane	131	10.846	10.846	0.000	95	127186	20.0	21.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
129 Ethylbenzene	91	10.852	10.852	0.000	99	630641	20.0	20.6	
130 m-Xylene & p-Xylene	106	10.974	10.980	-0.006	99	475374	40.0	41.6	
S 134 Xylenes, Total	106				0			62.3	
131 n-Butyl acrylate	55	11.297	11.297	0.000	96	298376	20.0	20.4	
132 o-Xylene	106	11.328	11.327	0.001	97	244581	20.0	20.7	
133 Styrene	104	11.340	11.346	-0.006	95	384320	20.0	20.9	
135 Bromoform	173	11.504	11.504	0.000	96	94183	20.0	21.5	
136 Isopropylbenzene	105	11.645	11.651	-0.006	96	573097	20.0	21.0	
137 Cyclohexanone	55	11.724	11.724	0.000	94	215859	500.0	499.5	
$ 140 4-Bromofluorobenzene (Surr)	95	11.791	11.797	-0.006	90	377956	50.0	50.7	
143 Bromobenzene	156	11.913	11.913	0.000	97	144159	20.0	20.6	
144 1,1,2,2-Tetrachloroethane	83	11.913	11.913	0.000	93	229732	20.0	21.4	
145 trans-1,4-Dichloro-2-butene	53	11.943	11.943	0.000	90	159027	50.0	54.5	
146 1,2,3-Trichloropropane	110	11.955	11.955	0.000	85	59110	20.0	21.2	
147 N-Propylbenzene	91	11.992	11.992	0.000	99	750794	20.0	20.6	
148 2-Chlorotoluene	126	12.065	12.065	0.000	96	144001	20.0	20.6	M
149 1,3,5-Trimethylbenzene	105	12.138	12.138	0.000	93	514600	20.0	20.7	
150 4-Chlorotoluene	126	12.169	12.169	0.000	97	139008	20.0	20.8	a
152 tert-Butylbenzene	134	12.388	12.388	0.000	94	84789	20.0	20.6	
154 1,2,4-Trimethylbenzene	105	12.437	12.437	0.000	98	525347	20.0	20.6	
155 sec-Butylbenzene	105	12.559	12.559	0.000	95	621497	20.0	20.6	
156 1,3-Dichlorobenzene	146	12.657	12.656	0.001	98	268729	20.0	20.7	a
157 4-Isopropyltoluene	119	12.675	12.675	0.000	98	530489	20.0	20.7	a
* 158 1,4-Dichlorobenzene-d4	152	12.717	12.711	0.006	94	414705	50.0	50.0	
159 1,4-Dichlorobenzene	146	12.730	12.736	-0.006	95	270941	20.0	20.6	a
160 1,2,3-Trimethylbenzene	105	12.748	12.748	0.000	99	530746	20.0	20.4	a
164 Benzyl chloride	91	12.815	12.821	-0.006	99	428034	20.0	21.5	a
165 1,3-Diethylbenzene	119	12.882	12.882	0.000	95	300076	20.0	20.7	a
166 p-Diethylbenzene	119	12.955	12.961	-0.006	96	315491	20.0	20.5	a
167 n-Butylbenzene	92	12.980	12.980	0.000	97	269816	20.0	21.0	
168 1,2-Dichlorobenzene	146	13.004	13.004	0.000	98	276404	20.0	20.8	
169 o-diethylbenzene	119	13.035	13.034	0.000	96	246450	20.0	20.5	a
170 1,2-Dibromo-3-Chloropropane	75	13.565	13.565	0.000	83	61955	20.0	21.4	
171 1,3,5-Trichlorobenzene	180	13.693	13.693	0.000	97	193691	20.0	20.8	
173 1,2,4-Trichlorobenzene	180	14.126	14.126	0.000	94	187338	20.0	21.2	
175 2-Ethylhexyl acrylate	55	14.205	14.211	-0.006	82	192202	20.0	20.7	
174 Hexachlorobutadiene	225	14.217	14.217	0.000	93	70362	20.0	20.7	
176 Naphthalene	128	14.315	14.315	0.000	97	746276	20.0	21.3	
177 1,2,3-Trichlorobenzene	180	14.461	14.461	0.000	96	183403	20.0	20.9	
178 2-Methylnaphthalene	142	15.071	15.071	0.000	92	351524	20.0	21.3	
S 182 Total Diethylbenzene	1				0			61.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_CYC_00011	Amount Added:	16.00	Units: uL	
MSV_CCV_GASES_00961	Amount Added:	2.00	Units: uL	
MSV_CCV_VOC#3_00225	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00216	Amount Added:	4.00	Units: uL	
MSV_CCV_EE_00008	Amount Added:	4.00	Units: uL	
MSV_CCV_VOC#1_00224	Amount Added:	4.00	Units: uL	
MSV_CCV_OH_Sp_00019	Amount Added:	4.00	Units: uL	
MSV_Cent_ISSS_00034	Amount Added:	5.00	Units: uL	Run Reagent

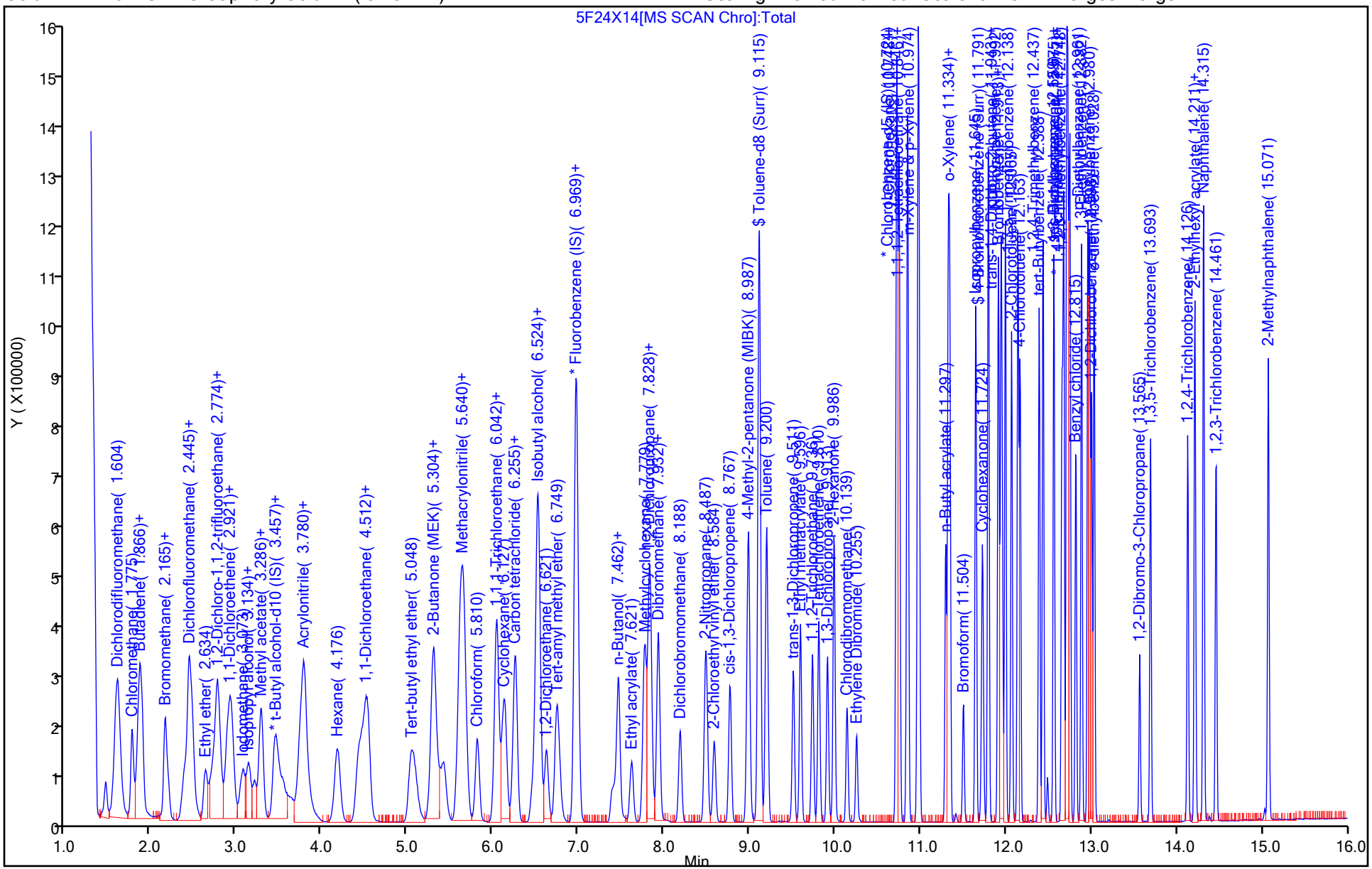
Report Date: 27-Feb-2025 12:27:35 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X14.D

Injection Date:	24-Feb-2025 20:08:30	Instrument ID:	26285	Operator ID:	knk41612
Lims ID:	IC v20			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

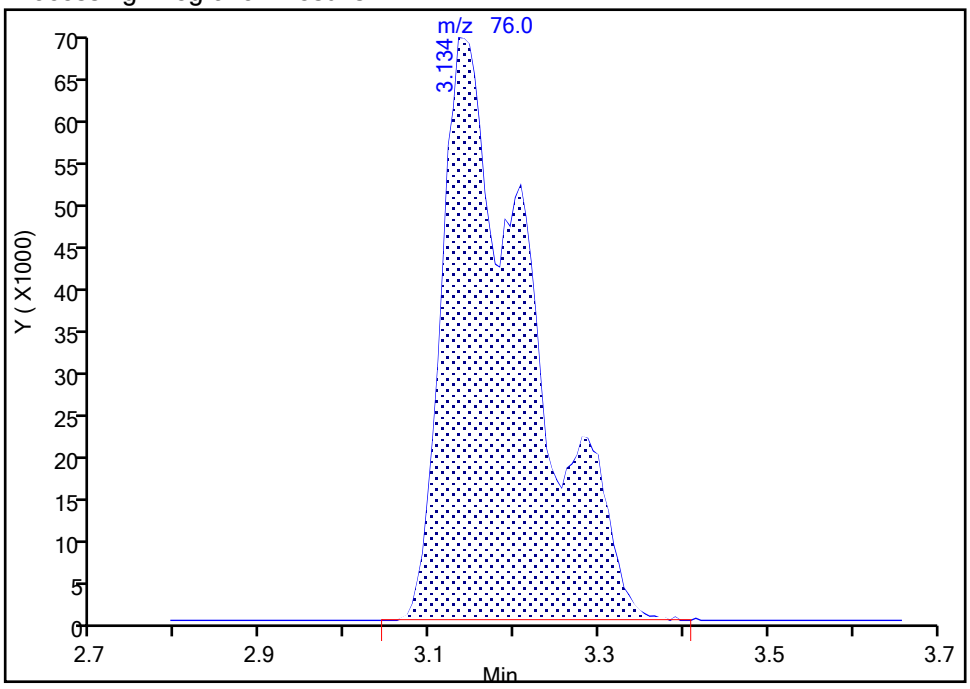
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X14.D
Injection Date: 24-Feb-2025 20:08:30 Instrument ID: 26285
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

22 Carbon disulfide, CAS: 75-15-0

Signal: 1

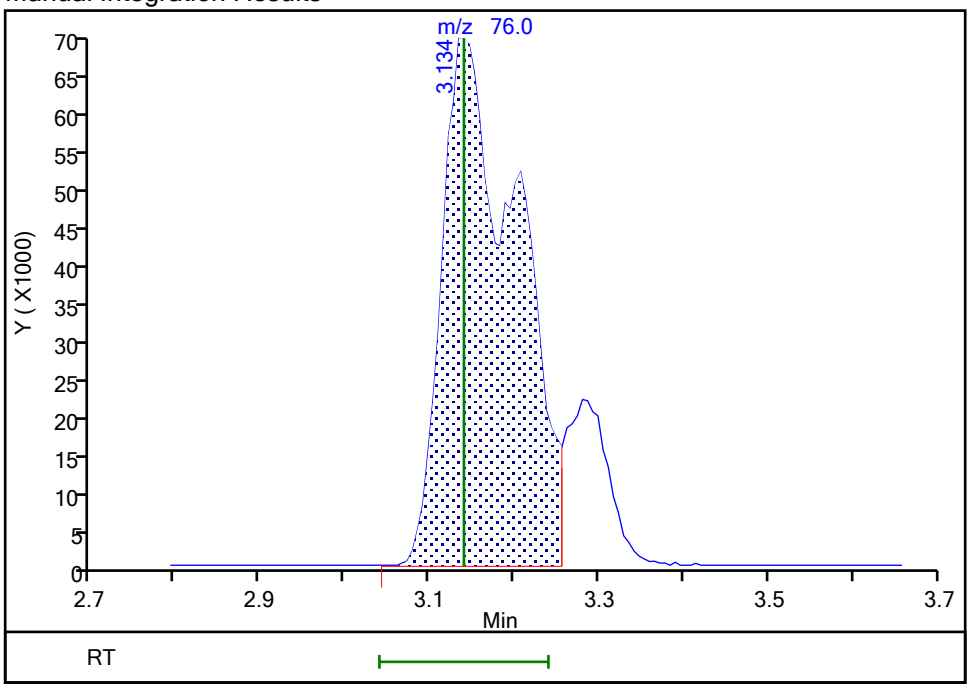
Processing Integration Results

RT: 3.13
Area: 505006
Amount: 21.485364
Amount Units: ug/l



Manual Integration Results

RT: 3.13
Area: 432783
Amount: 19.375088
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:51:46 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

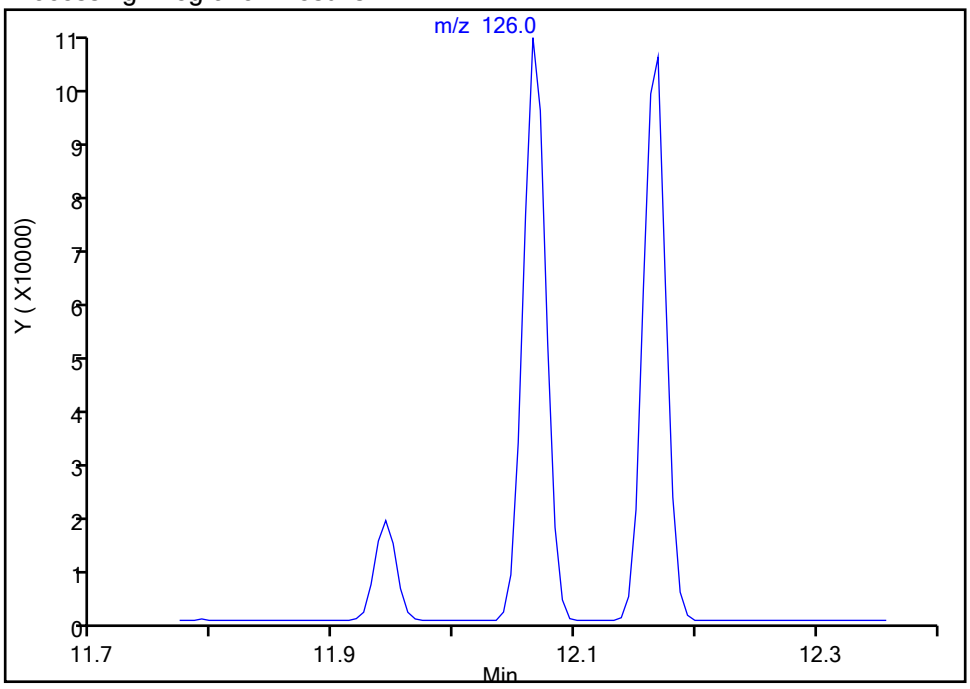
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X14.D
Injection Date: 24-Feb-2025 20:08:30 Instrument ID: 26285
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

148 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

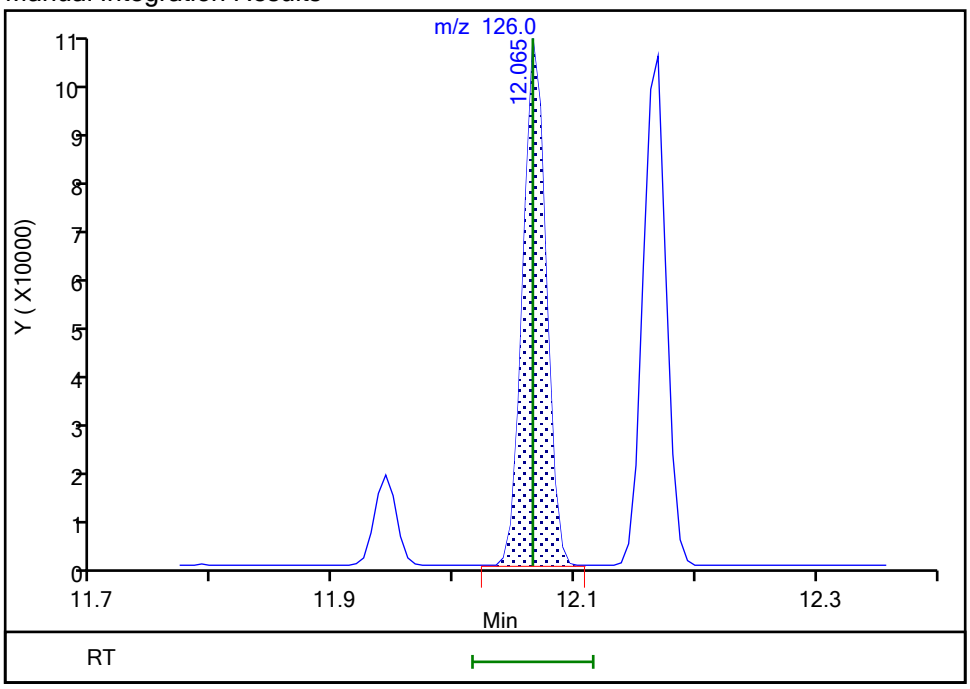
Not Detected
Expected RT: 12.07

Processing Integration Results



Manual Integration Results

RT: 12.07
Area: 144001
Amount: 20.565236
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:50:58 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

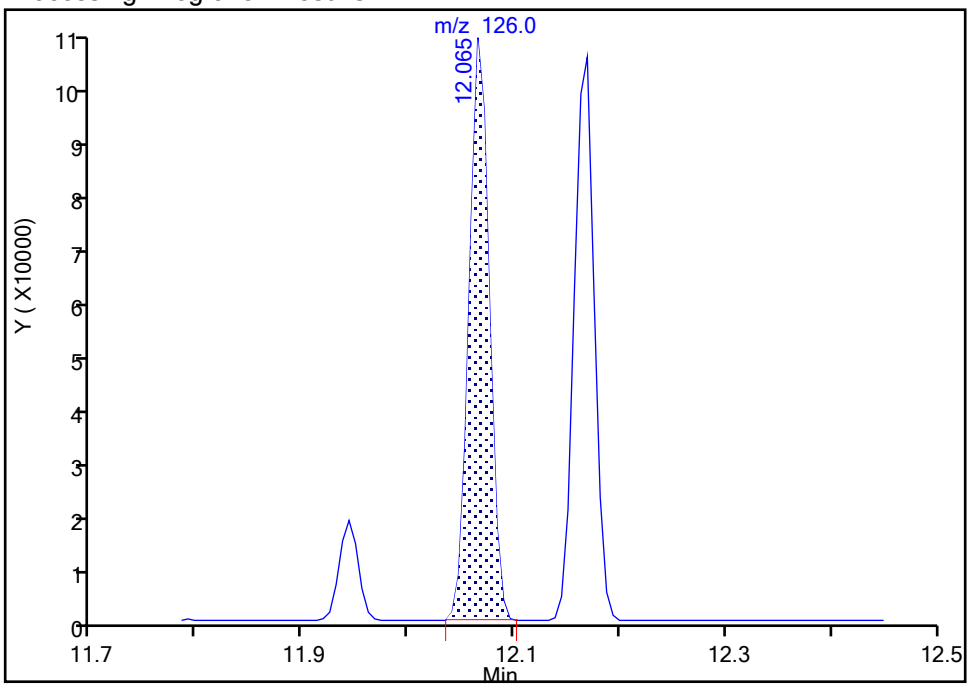
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X14.D
Injection Date: 24-Feb-2025 20:08:30 Instrument ID: 26285
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

150 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

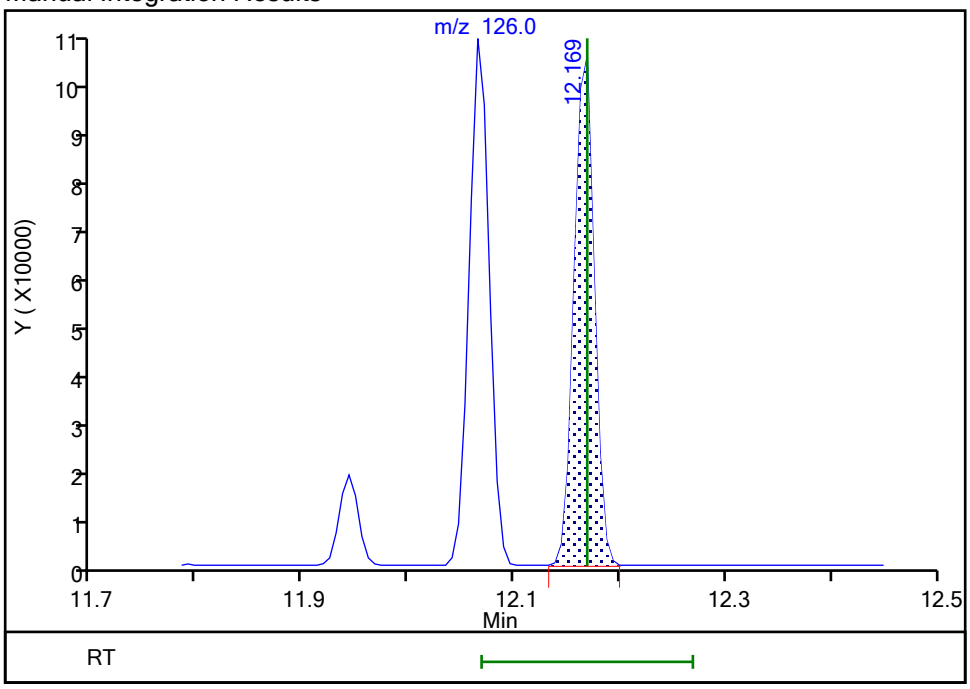
Processing Integration Results

RT: 12.07
Area: 143978
Amount: 20.496330
Amount Units: ug/l



Manual Integration Results

RT: 12.17
Area: 139008
Amount: 20.796407
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:51:58 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

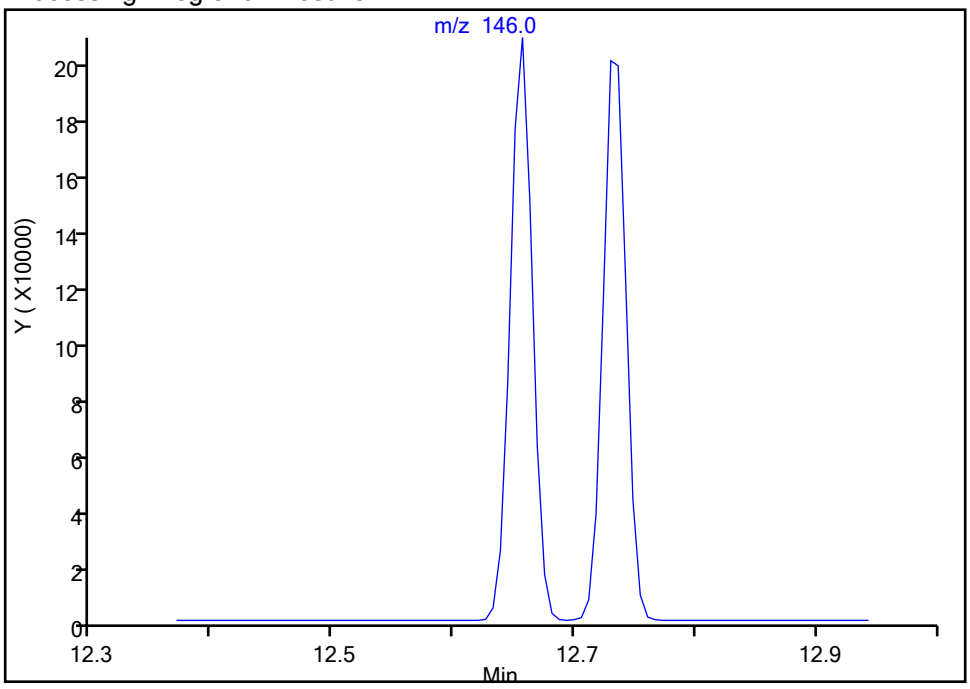
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X14.D
Injection Date: 24-Feb-2025 20:08:30 Instrument ID: 26285
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

156 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

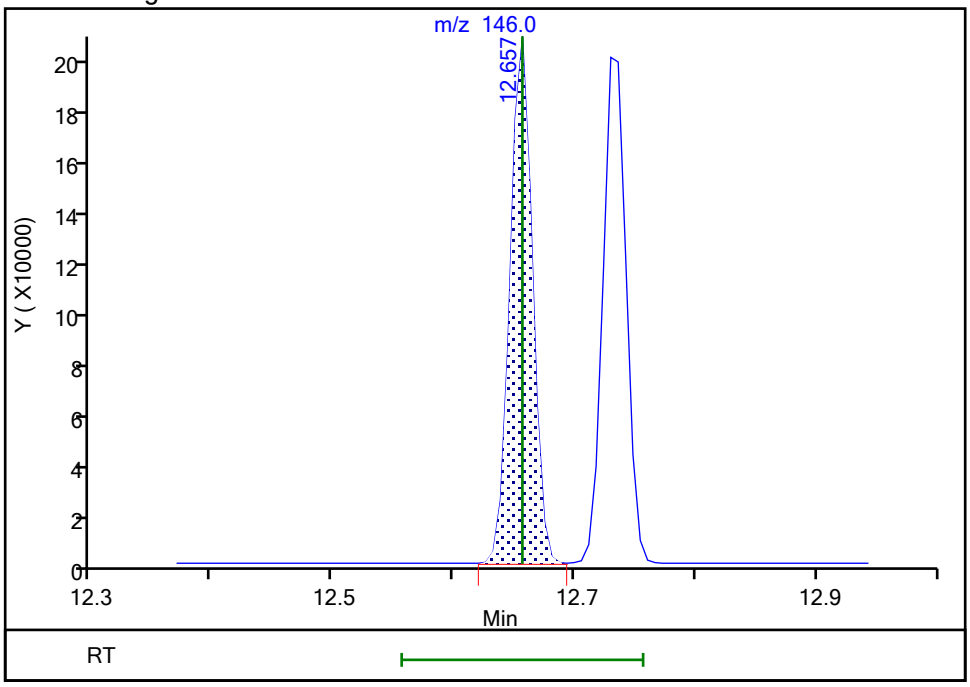
Not Detected
Expected RT: 12.66

Processing Integration Results



Manual Integration Results

RT: 12.66
Area: 268729
Amount: 20.741900
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:52:19 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

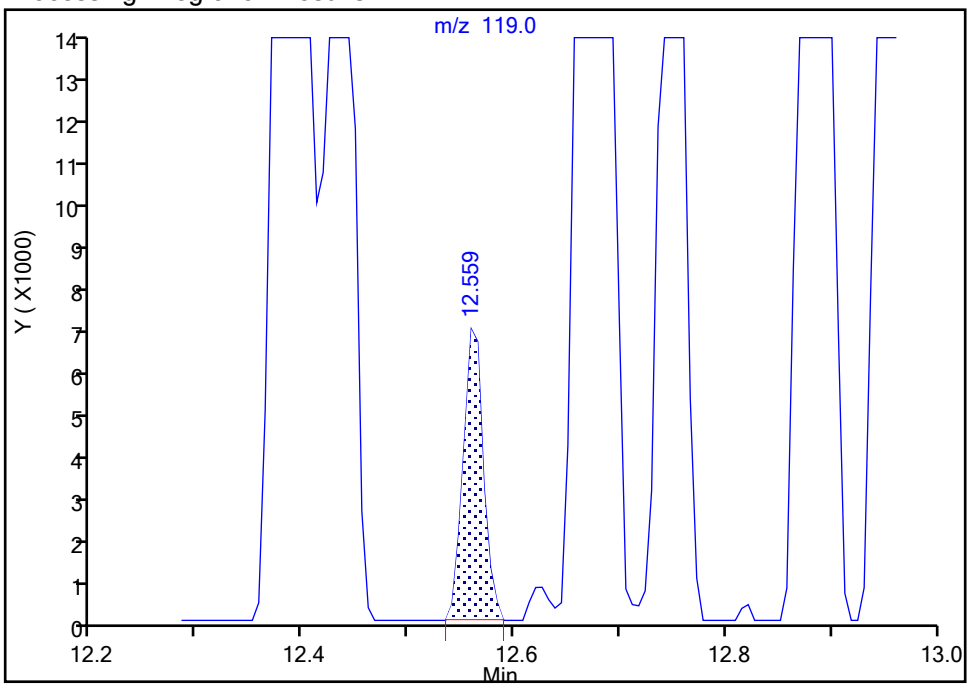
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X14.D
Injection Date: 24-Feb-2025 20:08:30 Instrument ID: 26285
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

157 4-Isopropyltoluene, CAS: 99-87-6

Signal: 1

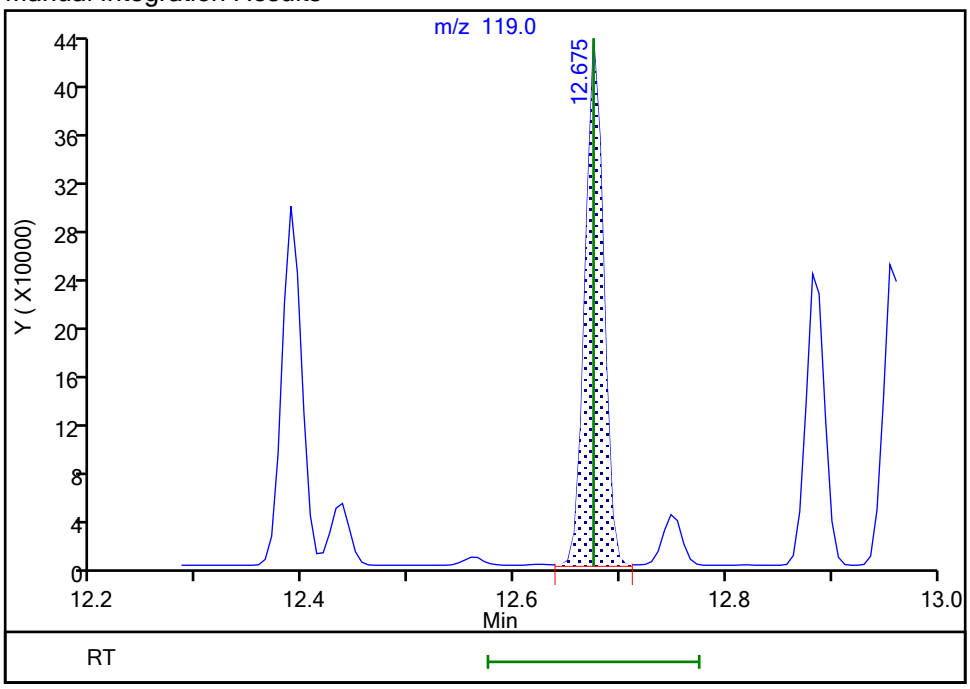
Processing Integration Results

RT: 12.56
Area: 8943
Amount: 0.482292
Amount Units: ug/l



Manual Integration Results

RT: 12.67
Area: 530489
Amount: 20.672754
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:52:30 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

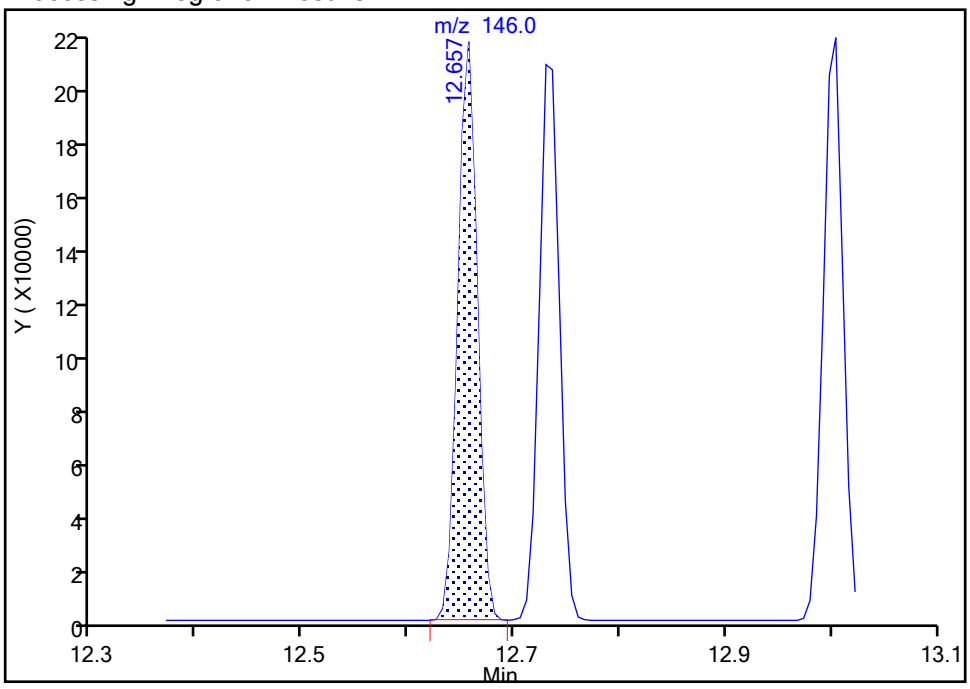
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X14.D
Injection Date: 24-Feb-2025 20:08:30 Instrument ID: 26285
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

159 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

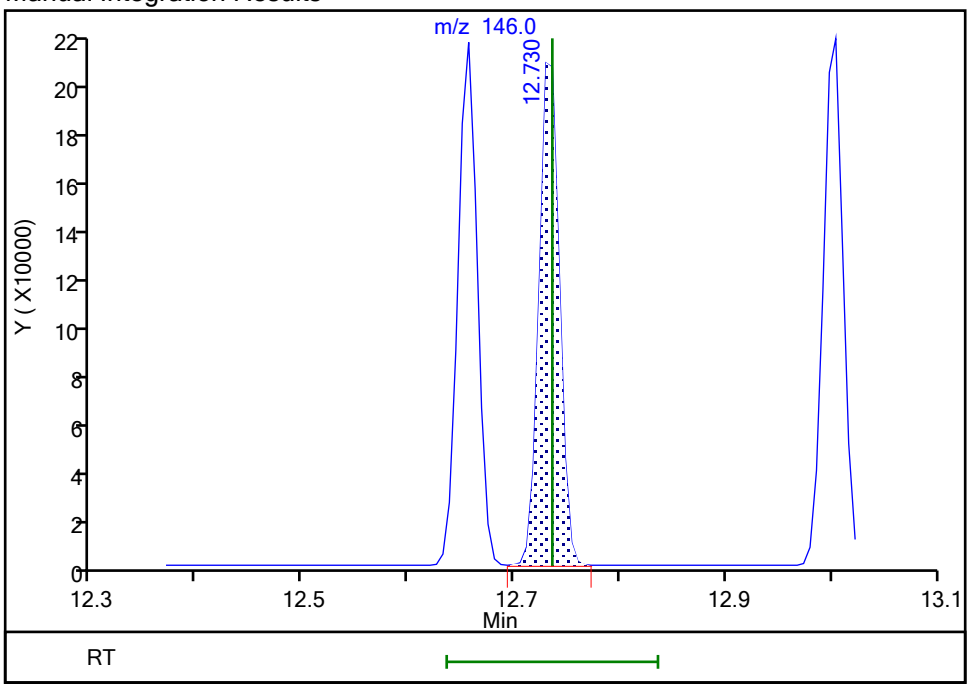
Processing Integration Results

RT: 12.66
Area: 268729
Amount: 20.126993
Amount Units: ug/l



Manual Integration Results

RT: 12.73
Area: 270941
Amount: 20.647398
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:52:37 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

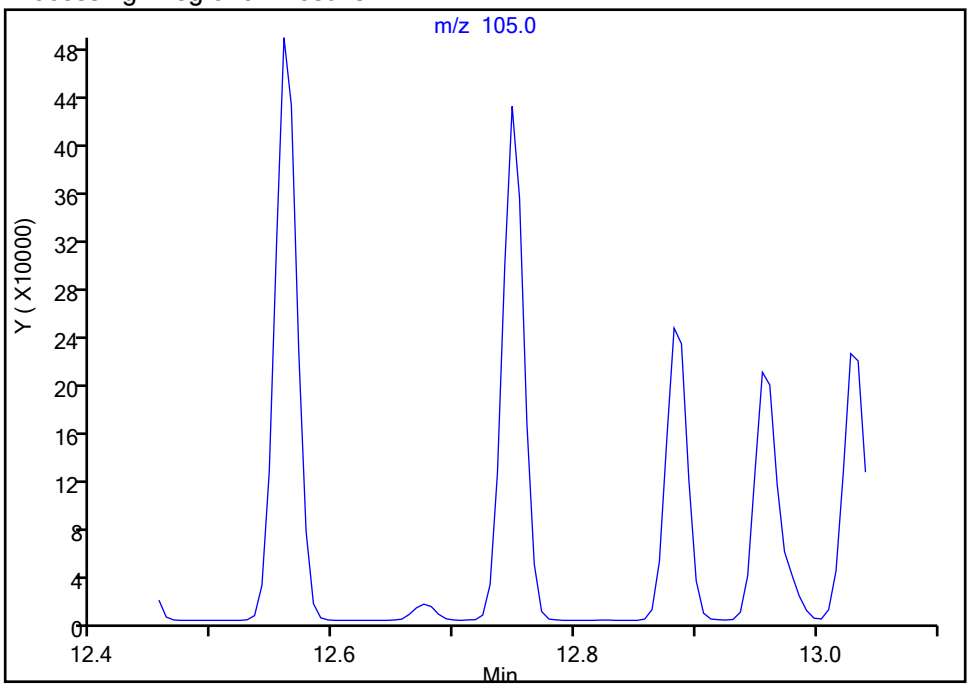
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X14.D
Injection Date: 24-Feb-2025 20:08:30 Instrument ID: 26285
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

160 1,2,3-Trimethylbenzene, CAS: 526-73-8

Signal: 1

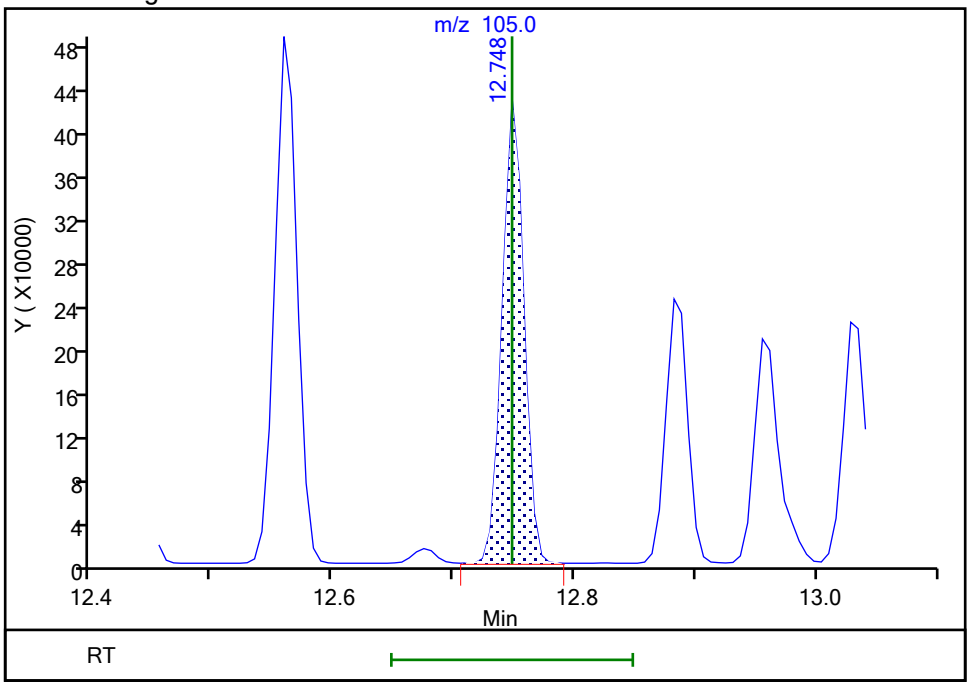
Not Detected
Expected RT: 12.75

Processing Integration Results



Manual Integration Results

RT: 12.75
Area: 530746
Amount: 20.373735
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:52:45 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

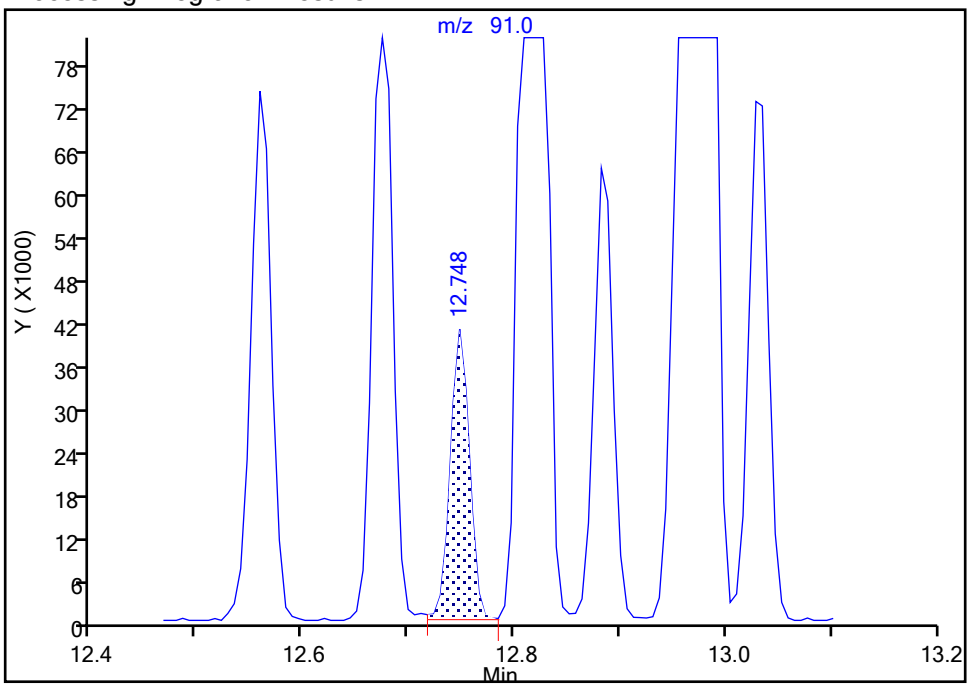
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X14.D
Injection Date: 24-Feb-2025 20:08:30 Instrument ID: 26285
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

164 Benzyl chloride, CAS: 100-44-7

Signal: 1

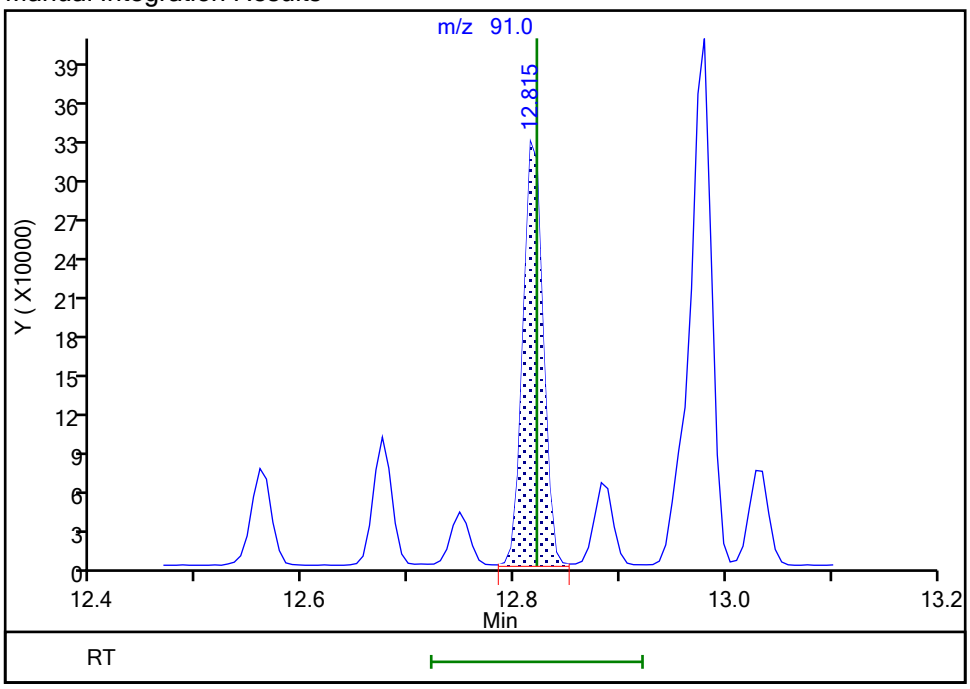
Processing Integration Results

RT: 12.75
Area: 51797
Amount: 3.464963
Amount Units: ug/l



Manual Integration Results

RT: 12.82
Area: 428034
Amount: 21.468430
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:52:54 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

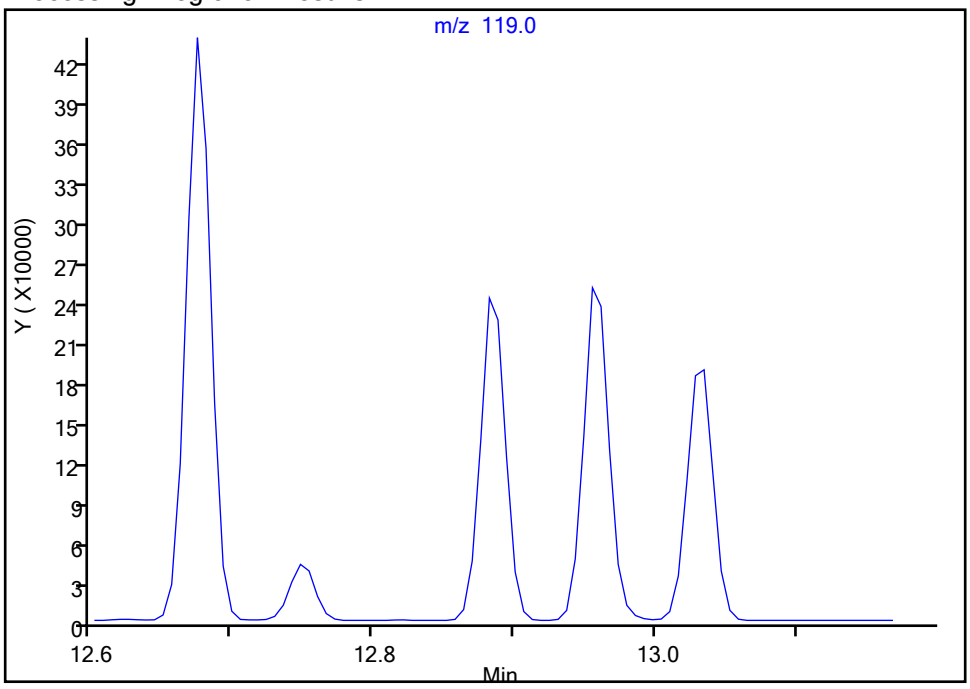
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X14.D
Injection Date: 24-Feb-2025 20:08:30 Instrument ID: 26285
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

165 1,3-Diethylbenzene, CAS: 141-93-5

Signal: 1

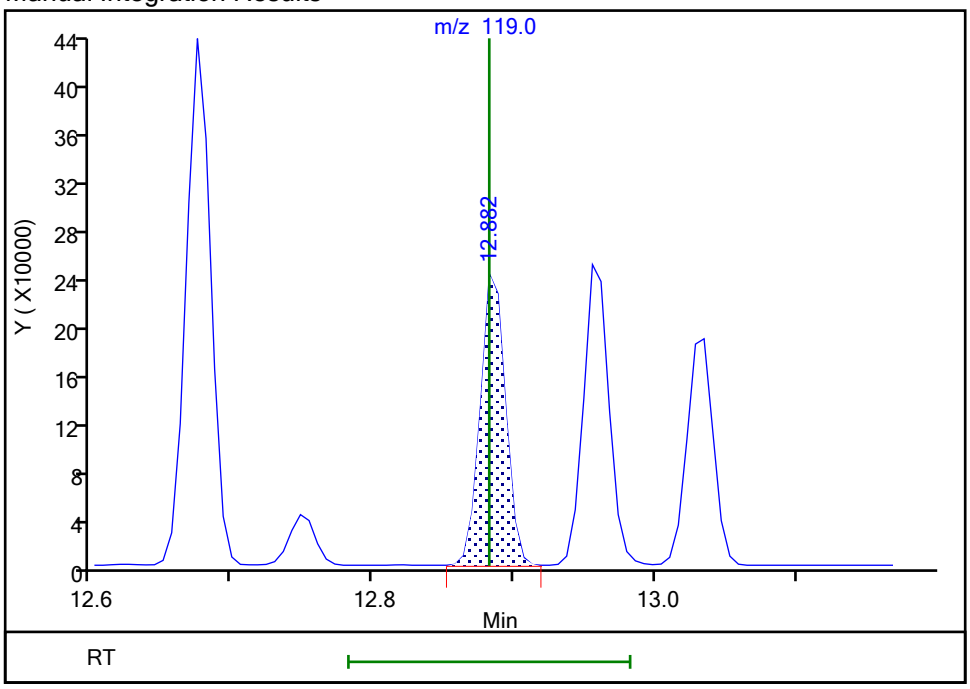
Not Detected
Expected RT: 12.88

Processing Integration Results



Manual Integration Results

RT: 12.88
Area: 300076
Amount: 20.747496
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:53:09 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

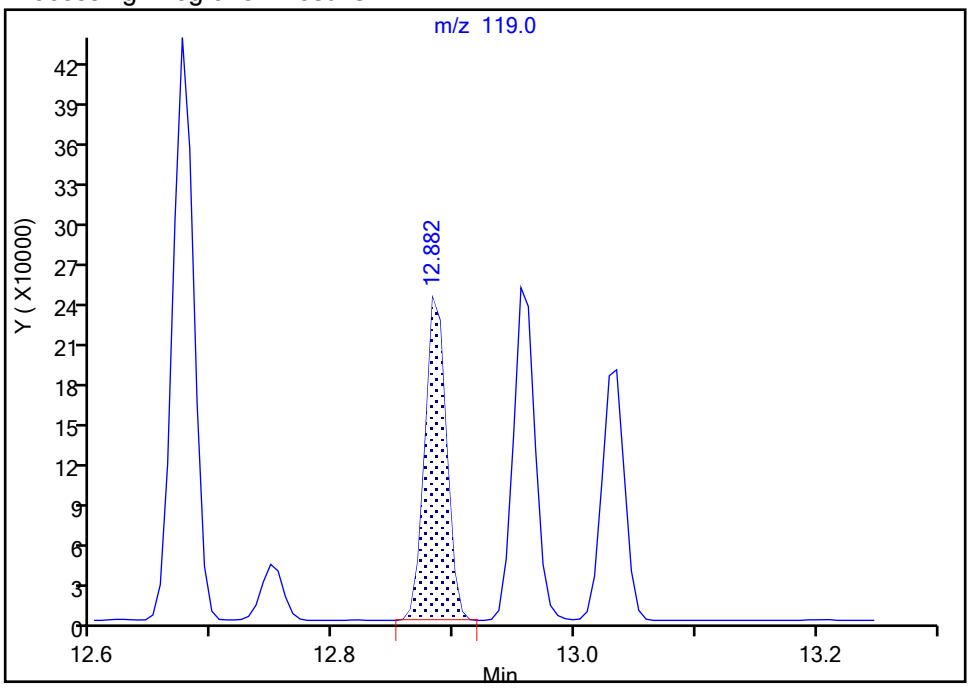
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X14.D
Injection Date: 24-Feb-2025 20:08:30 Instrument ID: 26285
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

166 p-Diethylbenzene, CAS: 105-05-5

Signal: 1

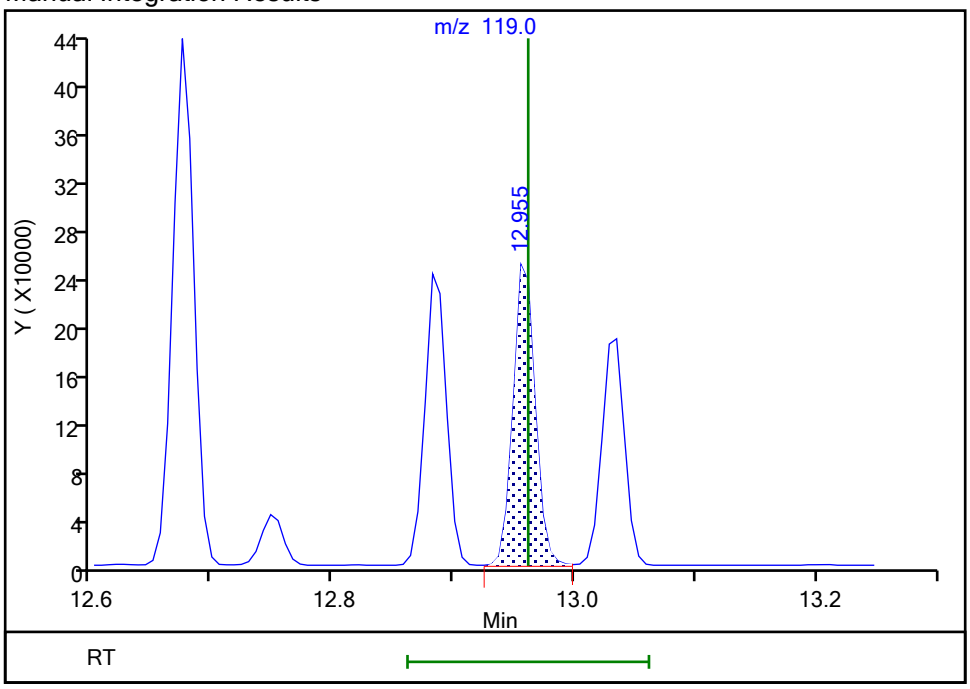
Processing Integration Results

RT: 12.88
Area: 300076
Amount: 19.822803
Amount Units: ug/l



Manual Integration Results

RT: 12.96
Area: 315491
Amount: 20.495577
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:53:18 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

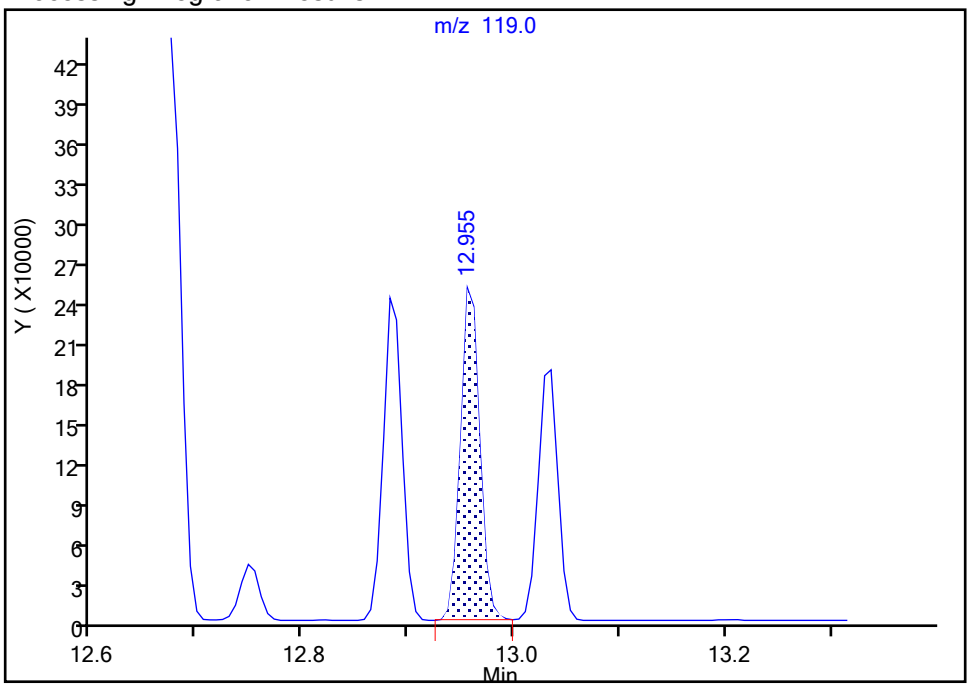
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X14.D
Injection Date: 24-Feb-2025 20:08:30 Instrument ID: 26285
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

169 o-diethylbenzene, CAS: 135-01-3

Signal: 1

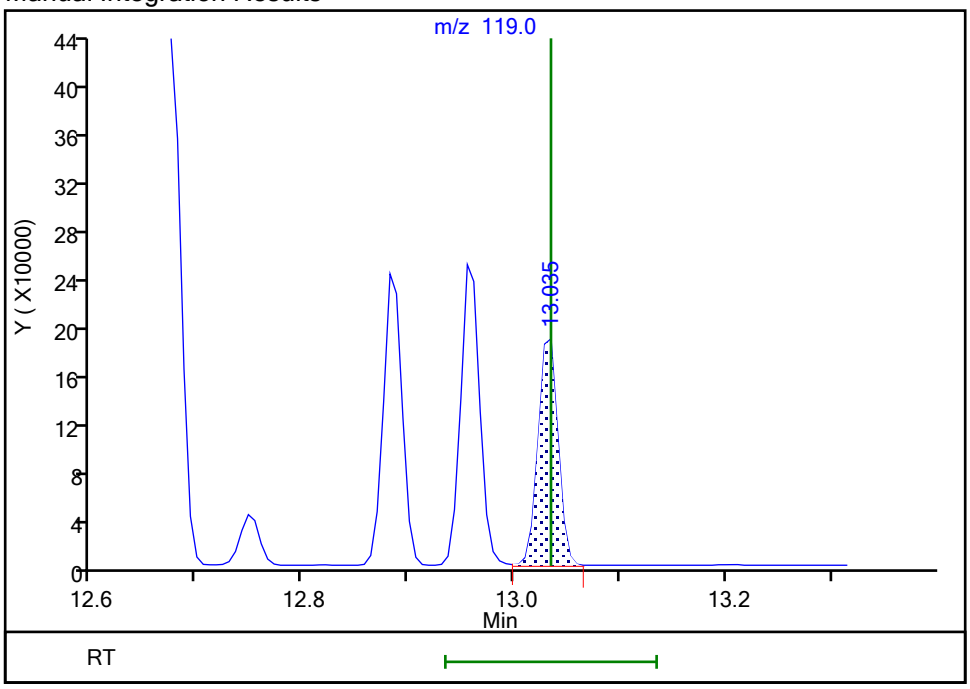
Processing Integration Results

RT: 12.96
Area: 315491
Amount: 25.253789
Amount Units: ug/l



Manual Integration Results

RT: 13.03
Area: 246450
Amount: 20.524403
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:53:31 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X15.D
Lims ID: ICIS v50
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 24-Feb-2025 20:28:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0138970-016
Misc. Info.: ICIS V50
Operator ID: knk41612 Instrument ID: 26285
Sublist: chrom-MSVoa_26285a*sub89

Method: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 27-Feb-2025 12:27:48 Calib Date: 24-Feb-2025 21:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: TQ4J Date: 25-Feb-2025 06:59:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.598	1.598	0.000	99	537148	50.0	48.9	
4 Chloromethane	50	1.774	1.774	0.000	99	563222	50.0	47.5	
6 Butadiene	39	1.841	1.841	0.000	94	594412	50.0	45.7	
5 Vinyl chloride	62	1.866	1.866	0.000	98	499439	50.0	48.6	
8 Bromomethane	94	2.158	2.158	0.000	91	357091	50.0	49.6	
9 Chloroethane	64	2.189	2.189	0.000	99	282713	50.0	48.0	
10 Dichlorofluoromethane	67	2.433	2.433	0.000	97	870707	50.0	48.0	
12 Pentane	43	2.451	2.451	0.000	96	562565	50.0	47.6	
11 Trichlorofluoromethane	101	2.476	2.476	0.000	98	572297	50.0	49.4	
14 Ethyl ether	59	2.628	2.628	0.000	97	242232	50.0	49.7	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	2.732	2.732	0.000	94	441074	50.0	48.3	
16 Acrolein	56	2.774	2.774	0.000	99	1109049	487.9	441.4	
17 1,1-Dichloroethene	96	2.890	2.890	0.000	96	267054	50.0	47.6	
18 Acetone	58	2.914	2.914	0.000	78	113659	100.0	95.3	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.939	2.939	0.000	93	331356	50.0	49.6	
20 Iodomethane	142	3.067	3.067	0.000	98	558634	50.0	48.5	
21 Isopropyl alcohol	45	3.079	3.079	0.000	38	270422	250.0	268.4	
22 Carbon disulfide	76	3.140	3.140	0.000	100	1083467	50.0	48.2	M
24 Methyl acetate	43	3.262	3.262	0.000	100	407506	50.0	45.0	
25 3-Chloro-1-propene	41	3.280	3.280	0.000	90	525307	50.0	45.3	
26 Methylene Chloride	84	3.451	3.451	0.000	97	315504	50.0	46.8	
* 27 t-Butyl alcohol-d10 (IS)	65	3.536	3.536	0.000	96	405548	250.0	250.0	
29 2-Methyl-2-propanol	59	3.646	3.646	0.000	92	437532	250.0	259.0	M
30 Acrylonitrile	53	3.737	3.737	0.000	97	518344	125.0	116.5	
31 trans-1,2-Dichloroethene	96	3.786	3.786	0.000	96	281578	50.0	47.3	
32 Methyl tert-butyl ether	73	3.798	3.798	0.000	96	932556	50.0	47.5	
33 Hexane	57	4.176	4.176	0.000	96	416279	50.0	48.6	
34 1,1-Dichloroethane	63	4.414	4.414	0.000	96	548754	50.0	47.5	
36 Isopropyl ether	45	4.481	4.481	0.000	96	1048532	50.0	47.1	
37 2-Chloro-1,3-butadiene	53	4.530	4.530	0.000	92	486045	50.0	47.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.054	5.054	0.000	99	970318	50.0	48.0	
39 2-Butanone (MEK)	43	5.292	5.292	0.000	99	610903	100.0	91.4	
40 cis-1,2-Dichloroethene	96	5.292	5.292	0.000	84	329536	50.0	47.3	
41 2,2-Dichloropropane	77	5.310	5.310	0.000	89	462424	50.0	47.3	
43 Propionitrile	54	5.402	5.402	0.000	98	456150	250.0	227.1	
44 Methyl acrylate	55	5.420	5.420	0.000	99	476359	50.0	47.6	
45 Methacrylonitrile	67	5.609	5.609	0.000	96	472158	125.0	118.3	
46 Chlorobromomethane	128	5.652	5.652	0.000	95	151272	50.0	47.2	
47 Tetrahydrofuran	71	5.670	5.670	0.000	87	381867	250.0	226.4	
48 Chloroform	83	5.816	5.816	0.000	94	522193	50.0	47.3	
50 1,1,1-Trichloroethane	97	6.042	6.042	0.000	99	466030	50.0	48.4	
$ 49 Dibromofluoromethane (Surr)	113	6.042	6.042	0.000	85	268592	50.0	49.3	
51 Cyclohexane	56	6.133	6.133	0.000	94	607483	50.0	48.5	
52 Carbon tetrachloride	117	6.249	6.249	0.000	97	387842	50.0	48.9	
53 1,1-Dichloropropene	75	6.261	6.261	0.000	95	428254	50.0	47.9	
55 Isobutyl alcohol	41	6.505	6.505	0.000	95	396952	625.0	595.6	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.517	6.517	0.000	96	62619	50.0	50.1	
57 Benzene	78	6.536	6.536	0.000	98	1263084	50.0	47.7	
58 1,2-Dichloroethane	62	6.621	6.621	0.000	97	392639	50.0	46.9	
60 Tert-amyl methyl ether	73	6.749	6.749	0.000	98	880694	50.0	47.5	
* 61 Fluorobenzene (IS)	96	6.969	6.969	0.000	97	1079817	50.0	50.0	
62 n-Heptane	43	6.987	6.987	0.000	94	398624	50.0	47.6	
63 n-Butanol	56	7.420	7.420	0.000	95	285686	625.0	655.6	
64 Trichloroethene	95	7.468	7.468	0.000	98	314351	50.0	48.4	
65 Ethyl acrylate	55	7.621	7.621	0.000	99	503782	50.0	49.5	
66 Methylcyclohexane	83	7.773	7.773	0.000	94	525299	50.0	49.4	
67 1,2-Dichloropropane	63	7.822	7.822	0.000	95	330257	50.0	48.0	
68 2-ethoxy-2-methyl butane	87	7.840	7.840	0.000	88	406978	50.0	48.7	
69 1,4-Dioxane	88	7.926	7.926	0.000	34	60985	625.0	614.2	
70 Dibromomethane	93	7.926	7.926	0.000	96	196563	50.0	48.2	
71 Methyl methacrylate	69	7.932	7.932	0.000	97	271361	50.0	48.3	
74 Dichlorobromomethane	83	8.188	8.188	0.000	98	381776	50.0	48.7	
75 2-Nitropropane	41	8.493	8.493	0.000	99	716899	250.0	232.7	
76 2-Chloroethyl vinyl ether	63	8.590	8.590	0.000	91	241962	50.0	53.8	
77 cis-1,3-Dichloropropene	75	8.773	8.773	0.000	94	485423	50.0	48.8	
78 4-Methyl-2-pentanone (MIBK)	43	8.986	8.986	0.000	98	1270087	100.0	95.7	
$ 79 Toluene-d8 (Surr)	98	9.114	9.114	0.000	94	1030776	50.0	49.8	
80 Toluene	92	9.200	9.200	0.000	97	750260	50.0	48.1	
84 trans-1,3-Dichloropropene	75	9.511	9.511	0.000	95	425431	50.0	48.8	
85 Ethyl methacrylate	69	9.596	9.596	0.000	91	491493	50.0	48.9	
86 1,1,2-Trichloroethane	97	9.736	9.736	0.000	91	262060	50.0	48.2	
87 Tetrachloroethene	166	9.809	9.809	0.000	97	313174	50.0	47.9	
88 1,3-Dichloropropane	76	9.913	9.913	0.000	95	429321	50.0	48.5	
90 2-Hexanone	43	9.986	9.986	0.000	99	891991	100.0	94.0	
91 Chlorodibromomethane	129	10.139	10.139	0.000	90	291188	50.0	50.6	
96 Ethylene Dibromide	107	10.254	10.254	0.000	99	273158	50.0	48.1	
* 98 Chlorobenzene-d5 (IS)	117	10.724	10.724	0.000	85	768178	50.0	50.0	
100 1-Chlorohexane	91	10.748	10.748	0.000	92	383867	50.0	47.0	
99 Chlorobenzene	112	10.754	10.754	0.000	95	794341	50.0	48.4	
128 1,1,1,2-Tetrachloroethane	131	10.846	10.846	0.000	94	307147	50.0	49.3	
129 Ethylbenzene	91	10.852	10.852	0.000	99	1532474	50.0	48.7	
130 m-Xylene & p-Xylene	106	10.980	10.980	0.000	99	1143832	100.0	97.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
131 n-Butyl acrylate	55	11.297	11.297	0.000	96	742787	50.0	49.5	
132 o-Xylene	106	11.327	11.327	0.000	97	594507	50.0	49.0	
133 Styrene	104	11.346	11.346	0.000	96	918704	50.0	48.6	
135 Bromoform	173	11.504	11.504	0.000	97	233150	50.0	51.8	
136 Isopropylbenzene	105	11.651	11.651	0.000	96	1390708	50.0	49.7	
137 Cyclohexanone	55	11.724	11.724	0.000	95	286338	624.9	626.4	
$ 140 4-Bromofluorobenzene (Surr)	95	11.797	11.797	0.000	91	377377	50.0	49.3	
143 Bromobenzene	156	11.913	11.913	0.000	96	342870	50.0	48.8	
144 1,1,2,2-Tetrachloroethane	83	11.913	11.913	0.000	94	546402	50.0	50.6	
145 trans-1,4-Dichloro-2-butene	53	11.943	11.943	0.000	91	381472	125.0	130.2	
146 1,2,3-Trichloropropane	110	11.955	11.955	0.000	85	139971	50.0	50.0	
147 N-Propylbenzene	91	11.992	11.992	0.000	99	1817543	50.0	49.7	
148 2-Chlorotoluene	126	12.065	12.065	0.000	95	345791	50.0	49.2	M
149 1,3,5-Trimethylbenzene	105	12.138	12.138	0.000	93	1254004	50.0	50.2	
150 4-Chlorotoluene	126	12.169	12.169	0.000	97	330180	50.0	49.2	a
152 tert-Butylbenzene	134	12.388	12.388	0.000	94	217198	50.0	52.5	
154 1,2,4-Trimethylbenzene	105	12.437	12.437	0.000	98	1280965	50.0	50.0	
155 sec-Butylbenzene	105	12.559	12.559	0.000	95	1539829	50.0	50.8	
156 1,3-Dichlorobenzene	146	12.656	12.656	0.000	98	637522	50.0	49.0	a
157 4-Isopropyltoluene	119	12.675	12.675	0.000	98	1305827	50.0	50.7	a
* 158 1,4-Dichlorobenzene-d4	152	12.717	12.717	0.000	94	416634	50.0	50.0	
159 1,4-Dichlorobenzene	146	12.736	12.736	0.000	95	639538	50.0	48.5	a
160 1,2,3-Trimethylbenzene	105	12.748	12.748	0.000	99	1307132	50.0	49.9	
164 Benzyl chloride	91	12.821	12.821	0.000	99	1037578	50.0	51.8	a
165 1,3-Diethylbenzene	119	12.882	12.882	0.000	95	732808	50.0	50.4	a
166 p-Diethylbenzene	119	12.961	12.961	0.000	93	773663	50.0	50.0	a
167 n-Butylbenzene	92	12.980	12.980	0.000	98	650609	50.0	50.3	
168 1,2-Dichlorobenzene	146	13.004	13.004	0.000	98	656083	50.0	49.1	
169 o-diethylbenzene	119	13.034	13.034	0.000	96	613919	50.0	50.9	a
170 1,2-Dibromo-3-Chloropropane	75	13.565	13.565	0.000	83	152938	50.0	52.5	
171 1,3,5-Trichlorobenzene	180	13.693	13.693	0.000	97	472378	50.0	50.5	
173 1,2,4-Trichlorobenzene	180	14.126	14.126	0.000	94	451918	50.0	51.0	
175 2-Ethylhexyl acrylate	55	14.211	14.211	0.000	82	495070	50.0	53.1	
174 Hexachlorobutadiene	225	14.217	14.217	0.000	93	174875	50.0	51.3	a
176 Naphthalene	128	14.315	14.315	0.000	97	1829695	50.0	52.0	
177 1,2,3-Trichlorobenzene	180	14.461	14.461	0.000	96	453819	50.0	51.4	
178 2-Methylnaphthalene	142	15.071	15.071	0.000	92	893984	50.0	53.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_CYC_00011	Amount Added:	10.00	Units: uL	
MSV_CCV_GASES_00961	Amount Added:	2.50	Units: uL	
MSV_CCV_VOC#3_00225	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00216	Amount Added:	5.00	Units: uL	
MSV_CCV_EE_00008	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#1_00224	Amount Added:	5.00	Units: uL	
MSV_CCV_OH_Sp_00019	Amount Added:	5.00	Units: uL	
MSV_Cent_ISSS_00034	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 27-Feb-2025 12:27:49 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X15.D

Injection Date: 24-Feb-2025 20:28:30 Instrument ID: 26285 Operator ID: knk41612

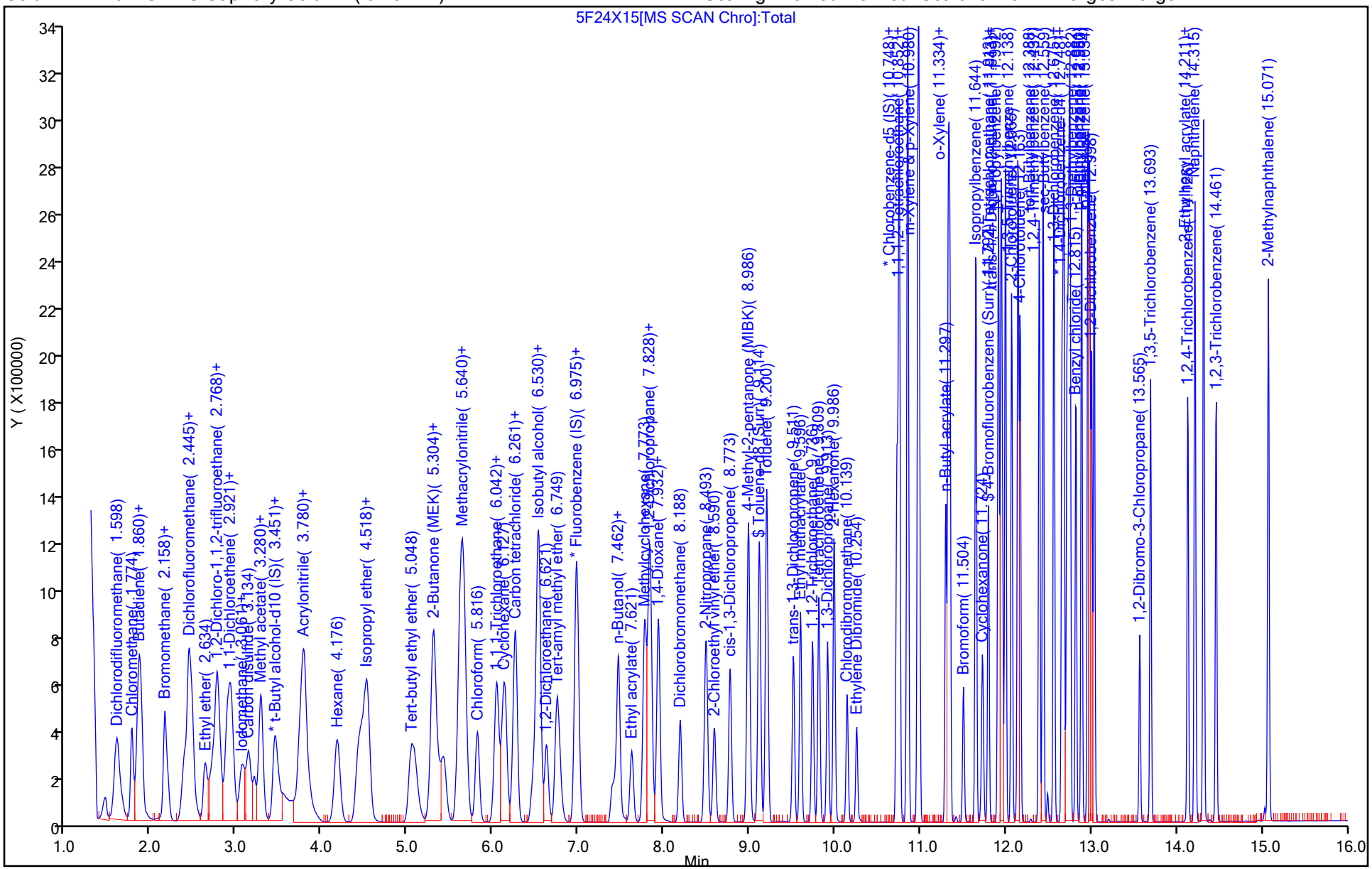
Lims ID: ICIS v50 Worklist Smp#: 16

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 15

Method: MSVoa_26285a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

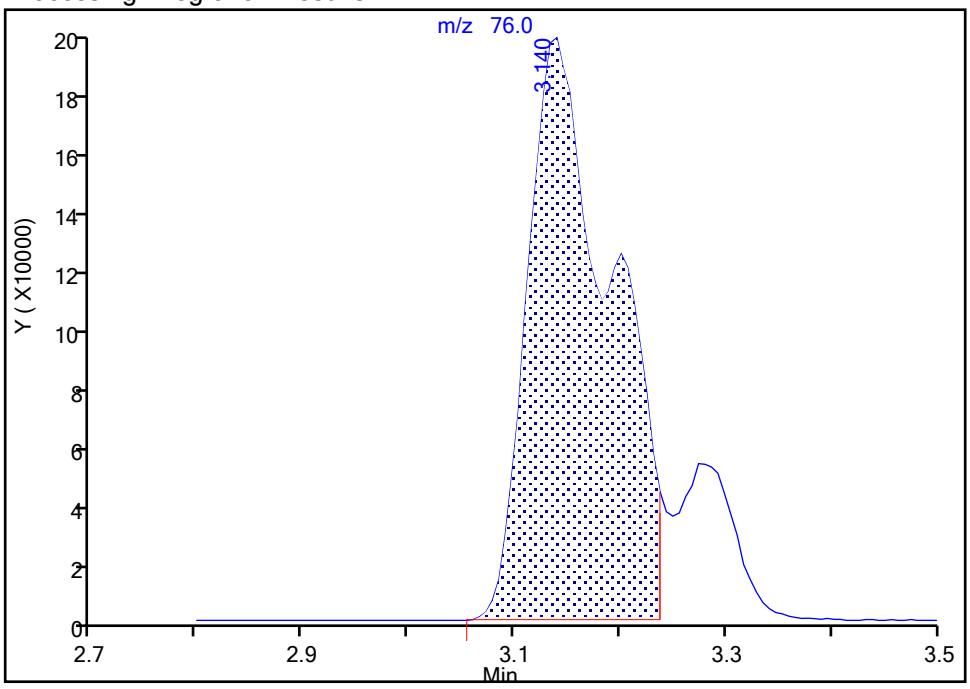
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X15.D
Injection Date: 24-Feb-2025 20:28:30 Instrument ID: 26285
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

22 Carbon disulfide, CAS: 75-15-0

Signal: 1

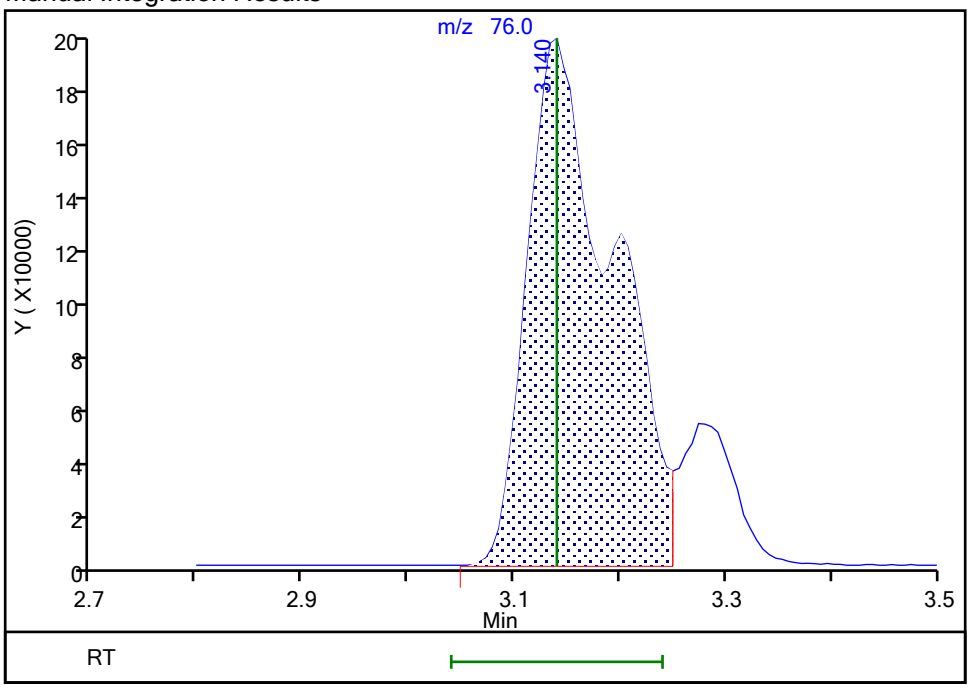
Processing Integration Results

RT: 3.14
Area: 1058014
Amount: 45.892701
Amount Units: ug/l



Manual Integration Results

RT: 3.14
Area: 1083467
Amount: 48.186995
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:54:31 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

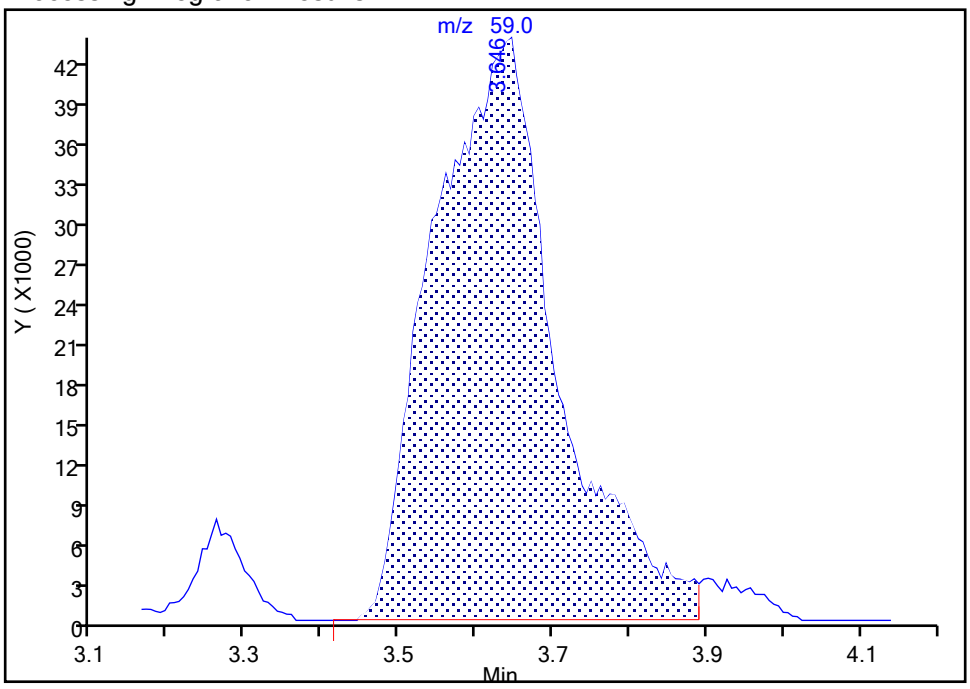
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X15.D
Injection Date: 24-Feb-2025 20:28:30 Instrument ID: 26285
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

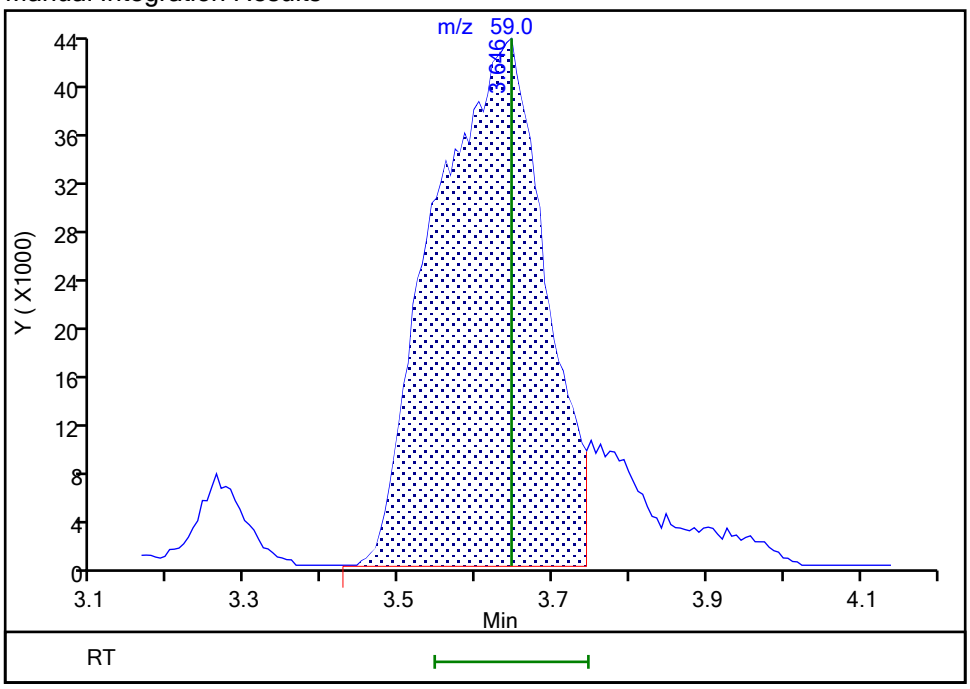
Processing Integration Results

RT: 3.65
Area: 489754
Amount: 280.3883
Amount Units: ug/l



Manual Integration Results

RT: 3.65
Area: 437532
Amount: 259.0299
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:55:13 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

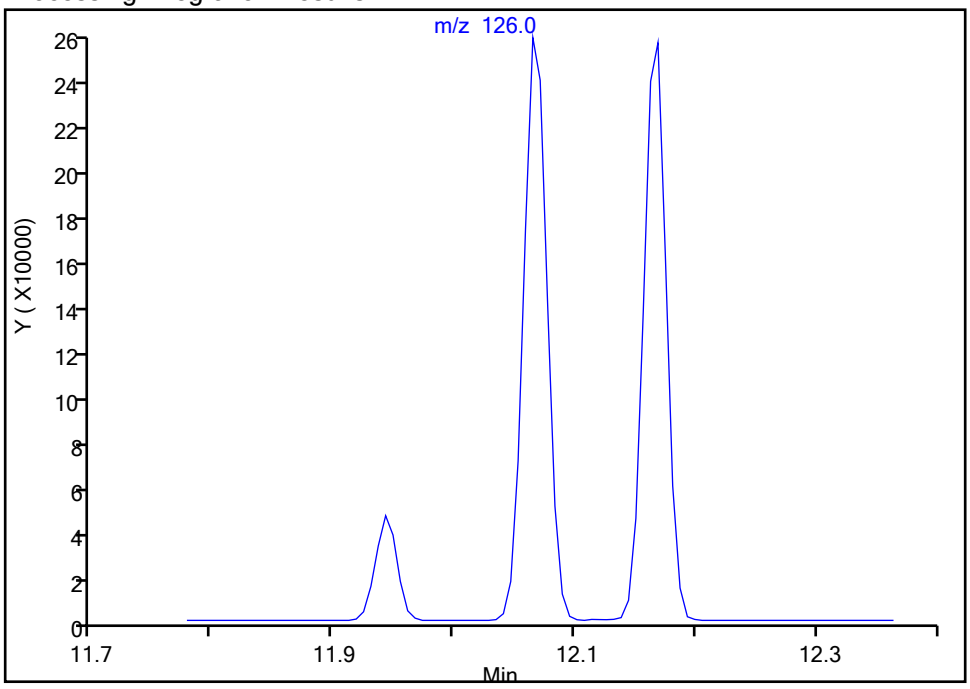
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X15.D
Injection Date: 24-Feb-2025 20:28:30 Instrument ID: 26285
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

148 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

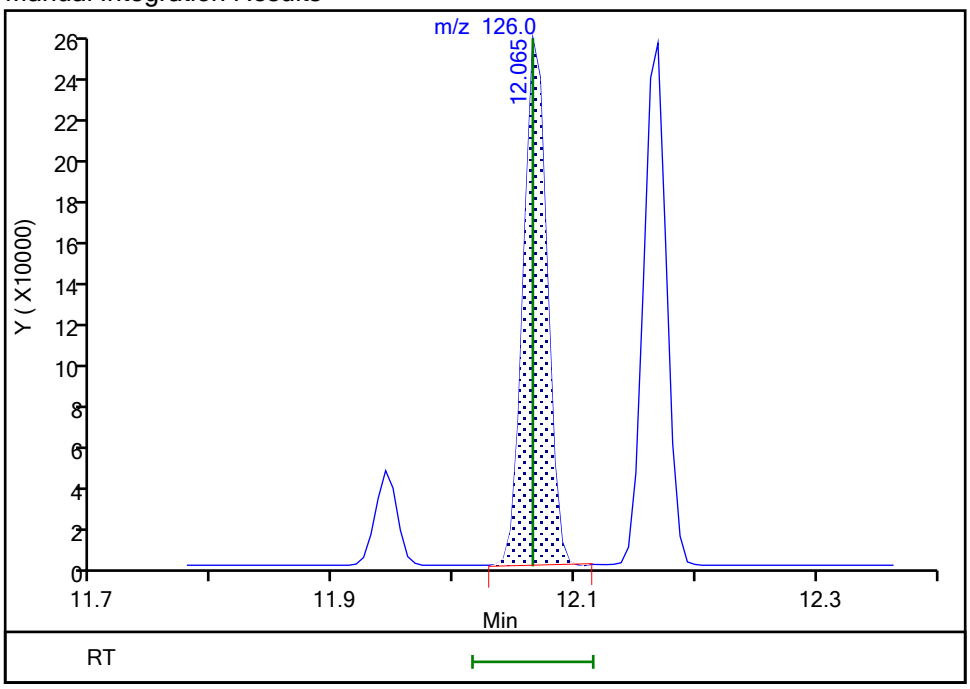
Not Detected
Expected RT: 12.07

Processing Integration Results



Manual Integration Results

RT: 12.07
Area: 345791
Amount: 49.154857
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:53:36 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

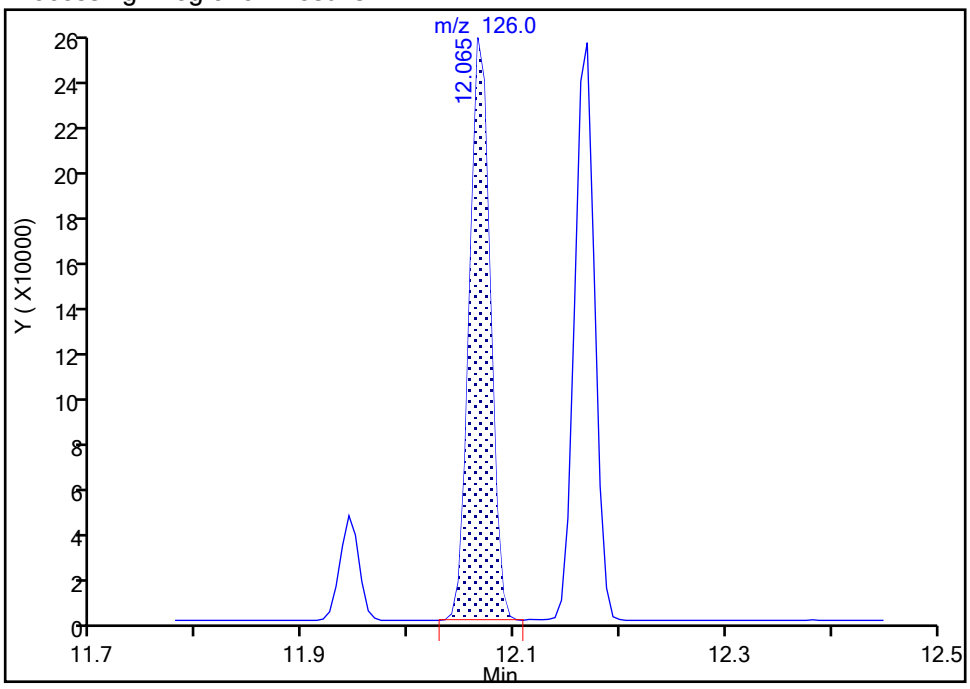
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X15.D
Injection Date: 24-Feb-2025 20:28:30 Instrument ID: 26285
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

150 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

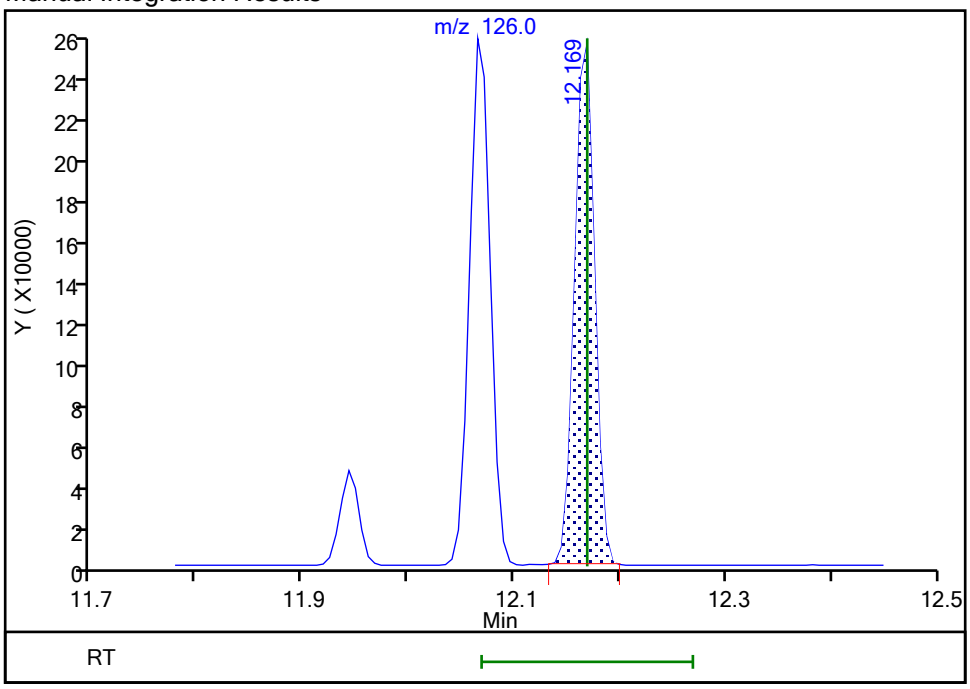
Processing Integration Results

RT: 12.07
Area: 346767
Amount: 49.659196
Amount Units: ug/l



Manual Integration Results

RT: 12.17
Area: 330180
Amount: 49.168147
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:54:50 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

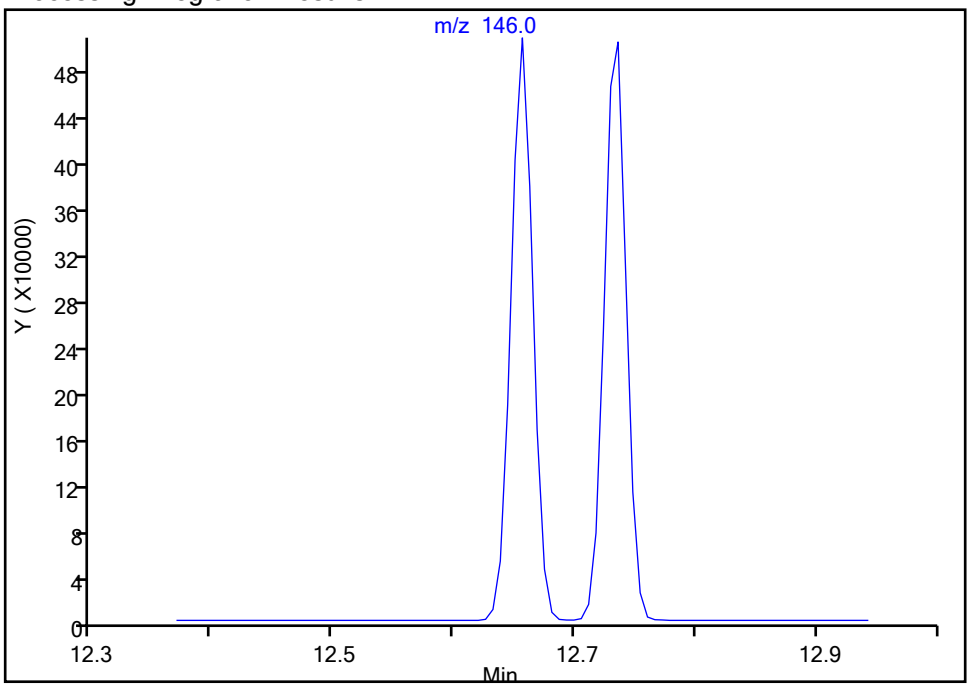
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X15.D
Injection Date: 24-Feb-2025 20:28:30 Instrument ID: 26285
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

156 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

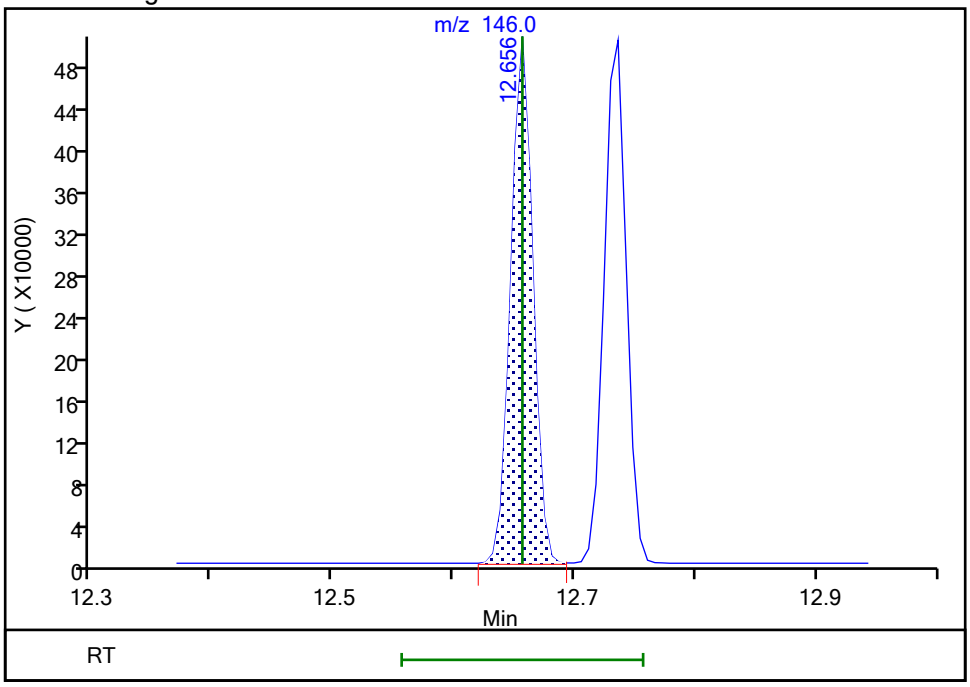
Not Detected
Expected RT: 12.66

Processing Integration Results



Manual Integration Results

RT: 12.66
Area: 637522
Amount: 48.979432
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:56:48 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

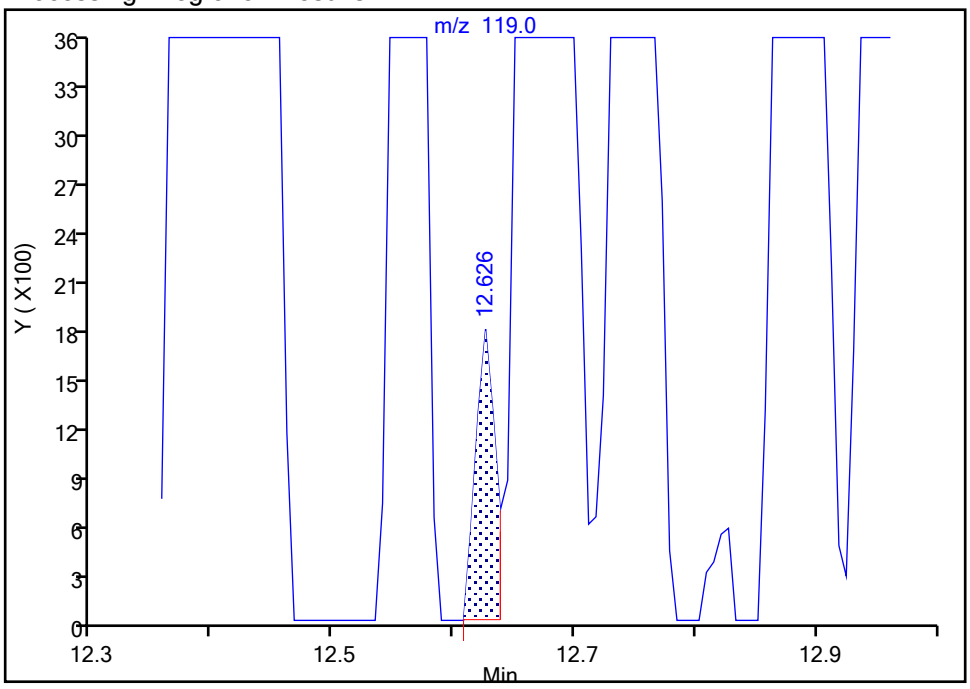
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X15.D
Injection Date: 24-Feb-2025 20:28:30 Instrument ID: 26285
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

157 4-Isopropyltoluene, CAS: 99-87-6

Signal: 1

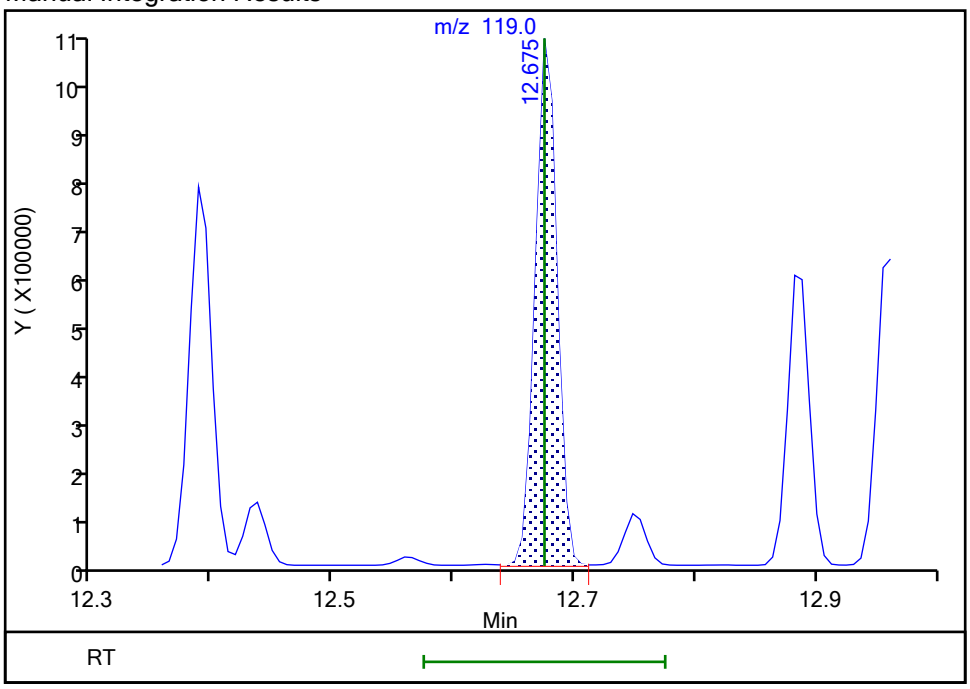
Processing Integration Results

RT: 12.63
Area: 2039
Amount: 0.101186
Amount Units: ug/l



Manual Integration Results

RT: 12.67
Area: 1305827
Amount: 50.651482
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:56:56 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

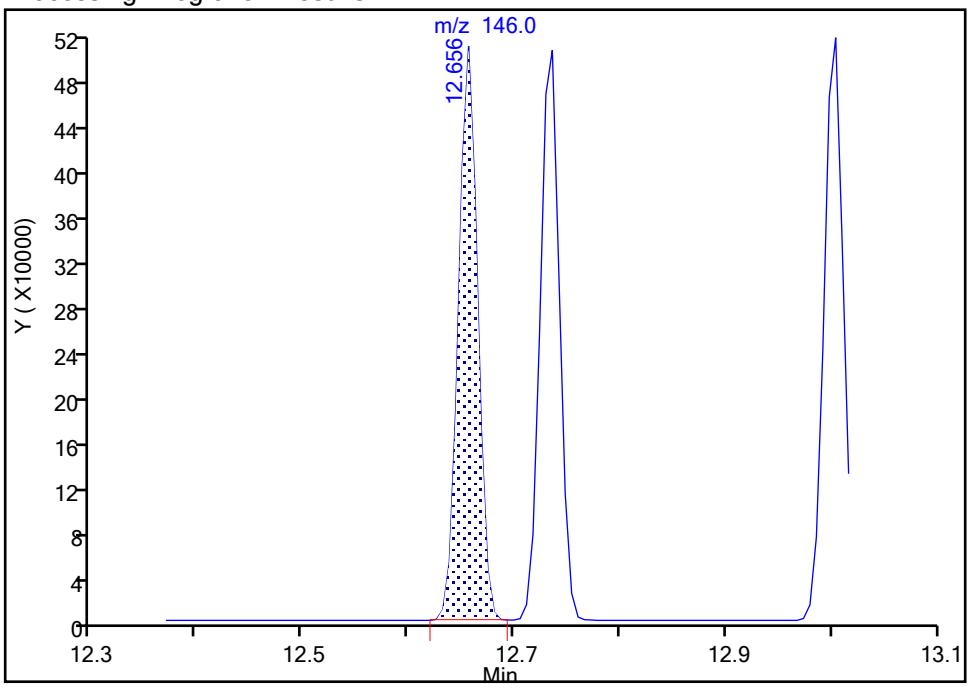
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X15.D
Injection Date: 24-Feb-2025 20:28:30 Instrument ID: 26285
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

159 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

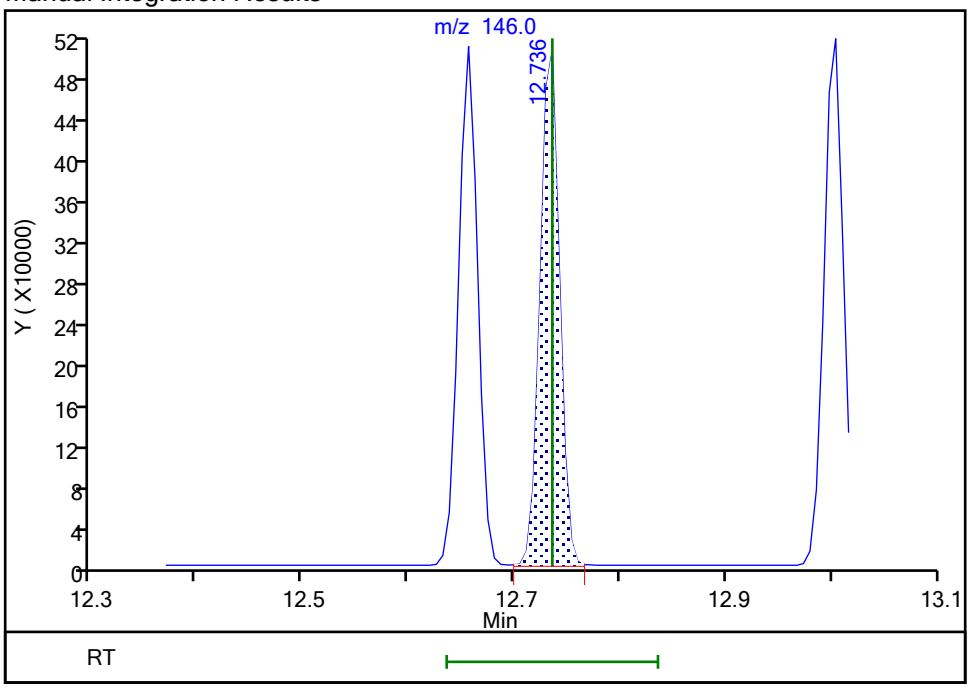
Processing Integration Results

RT: 12.66
Area: 637522
Amount: 47.921978
Amount Units: ug/l



Manual Integration Results

RT: 12.74
Area: 639538
Amount: 48.511145
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:57:20 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

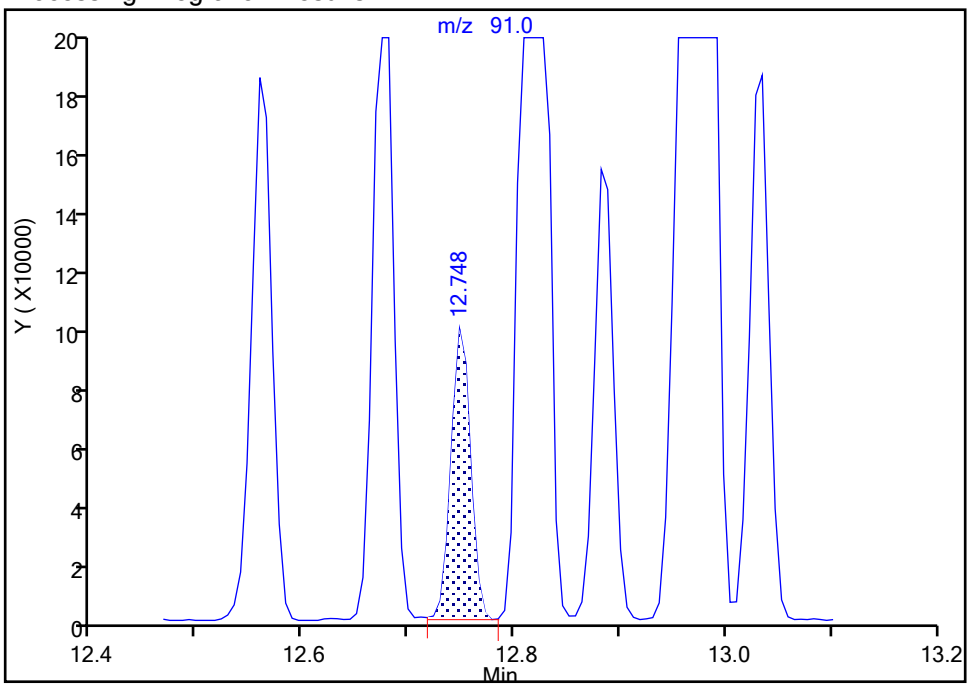
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X15.D
Injection Date: 24-Feb-2025 20:28:30 Instrument ID: 26285
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

164 Benzyl chloride, CAS: 100-44-7

Signal: 1

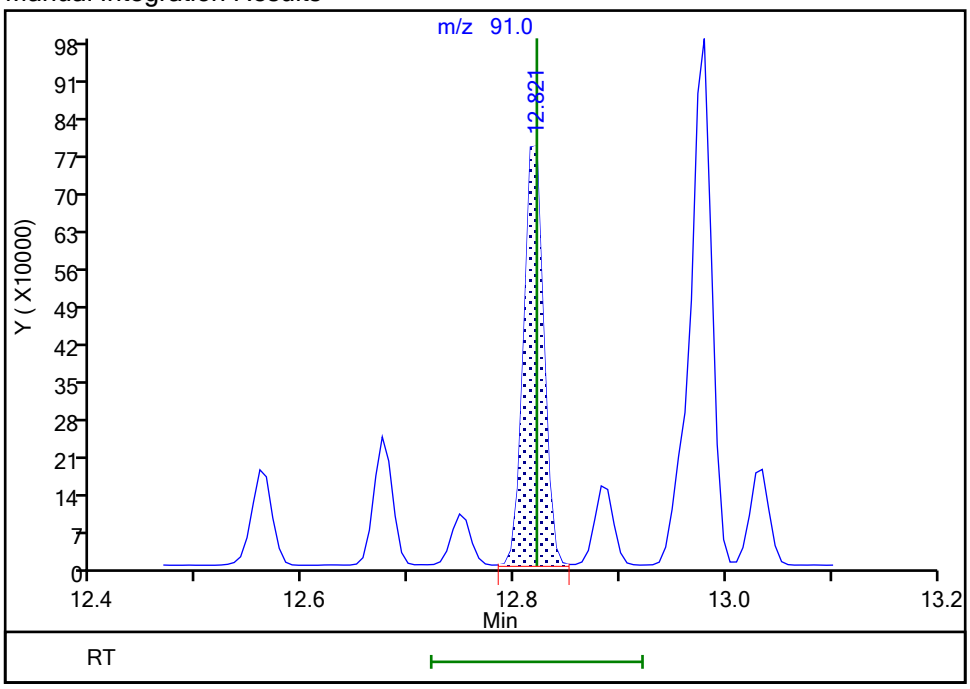
Processing Integration Results

RT: 12.75
Area: 124353
Amount: 7.632793
Amount Units: ug/l



Manual Integration Results

RT: 12.82
Area: 1037578
Amount: 51.799711
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:57:13 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

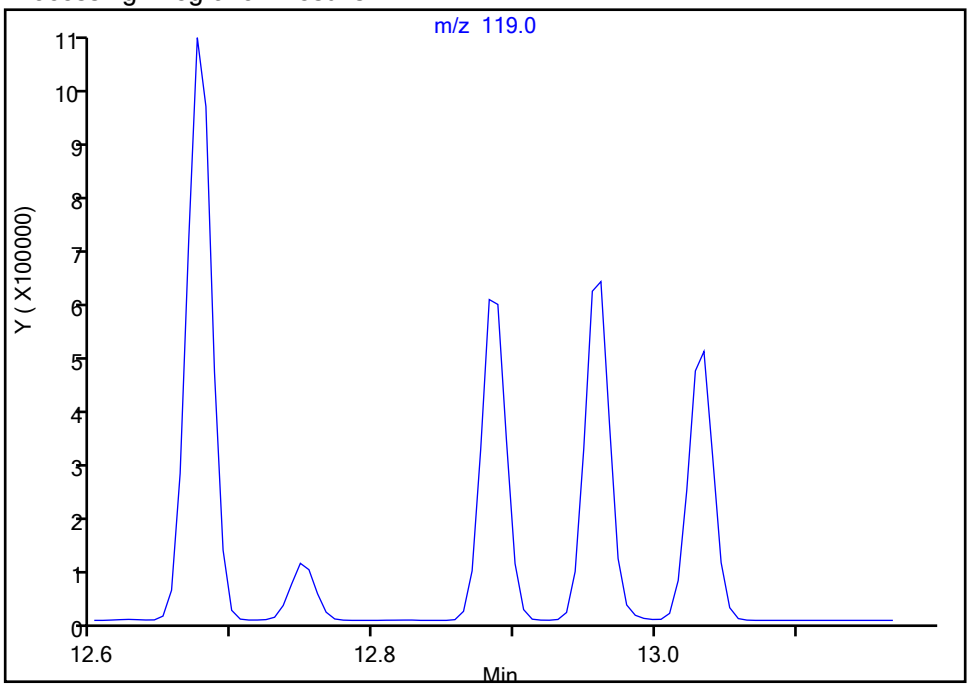
Data File:	\\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X15.D				
Injection Date:	24-Feb-2025 20:28:30	Instrument ID:	26285		
Lims ID:	ICIS v50				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

165 1,3-Diethylbenzene, CAS: 141-93-5

Signal: 1

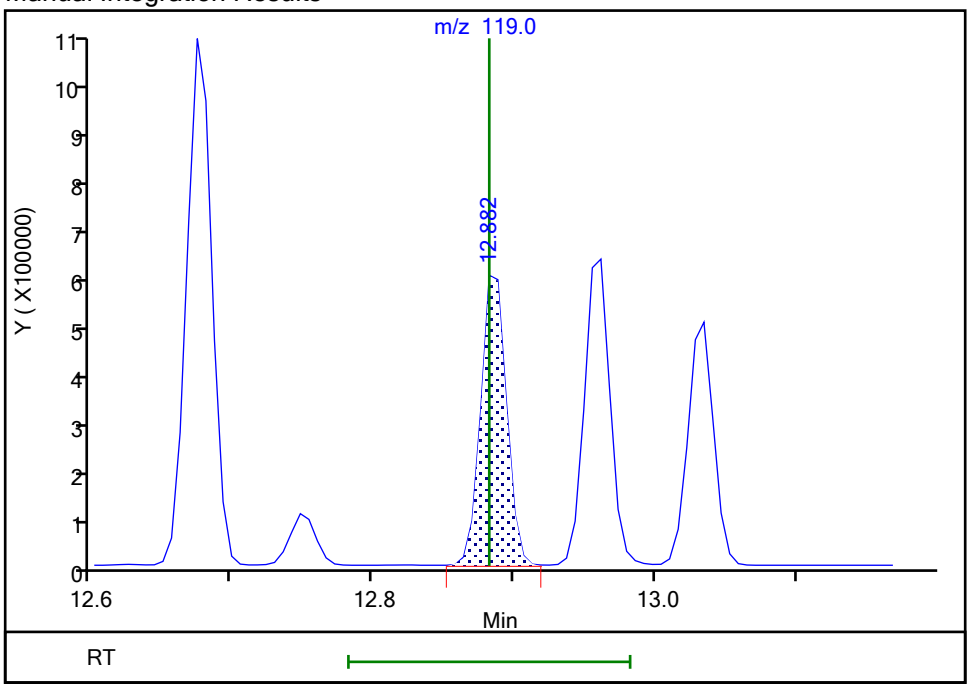
Not Detected
Expected RT: 12.88

Processing Integration Results



Manual Integration Results

RT: 12.88
Area: 732808
Amount: 50.432348
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:57:27 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

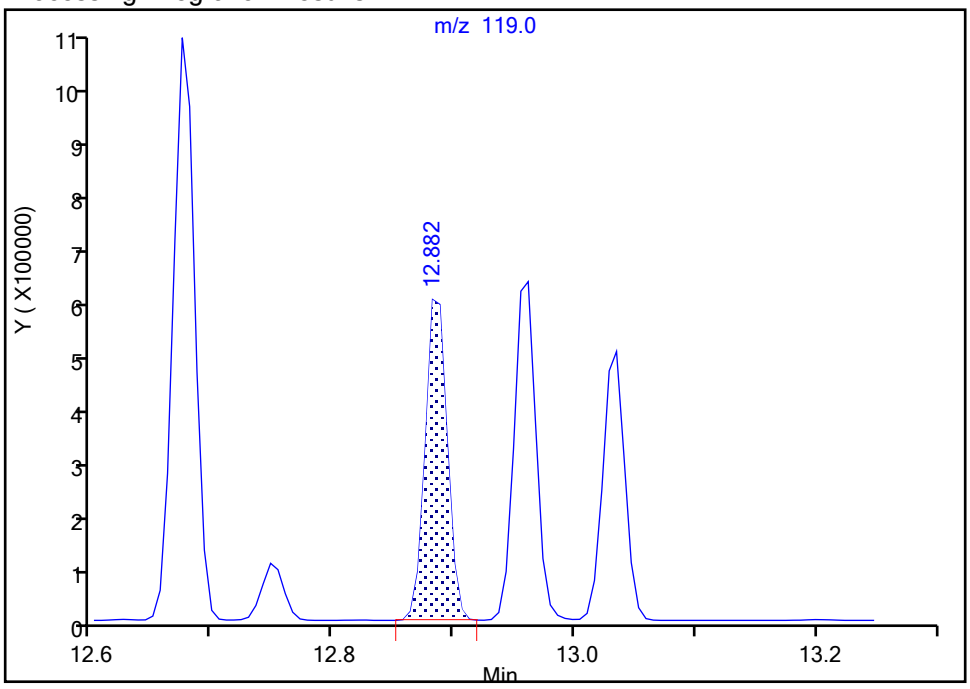
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X15.D
Injection Date: 24-Feb-2025 20:28:30 Instrument ID: 26285
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

166 p-Diethylbenzene, CAS: 105-05-5

Signal: 1

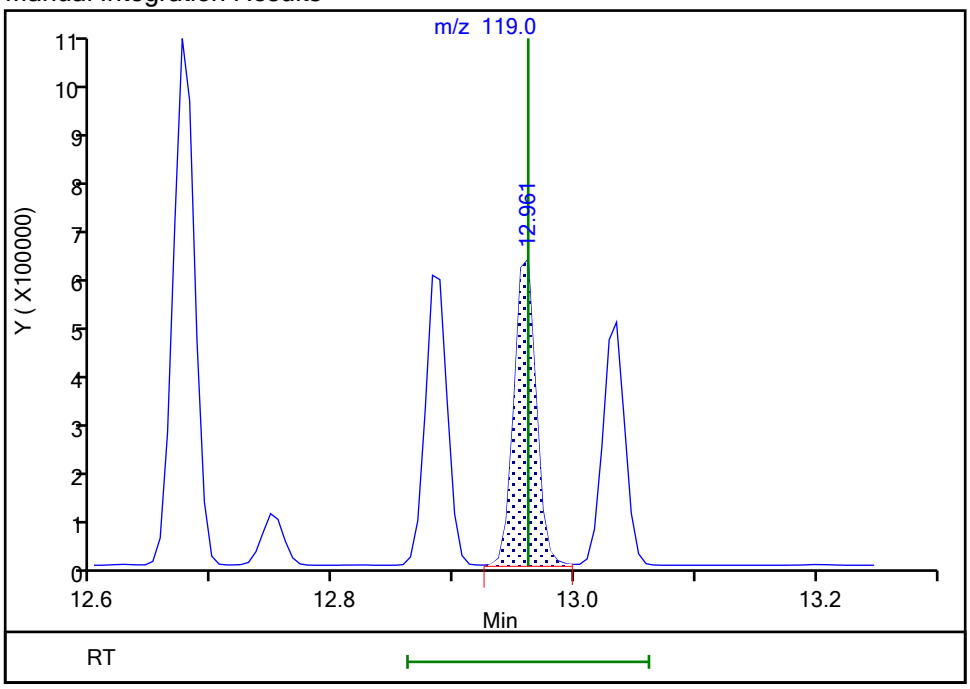
Processing Integration Results

RT: 12.88
Area: 732808
Amount: 48.044269
Amount Units: ug/l



Manual Integration Results

RT: 12.96
Area: 773663
Amount: 50.027587
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:57:36 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

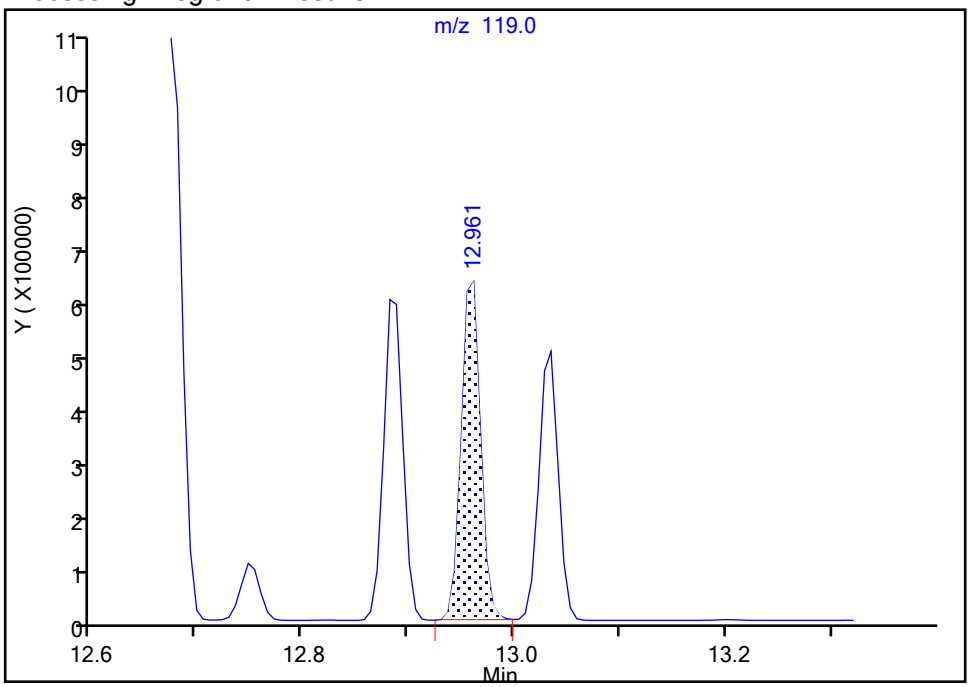
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X15.D
Injection Date: 24-Feb-2025 20:28:30 Instrument ID: 26285
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

169 o-diethylbenzene, CAS: 135-01-3

Signal: 1

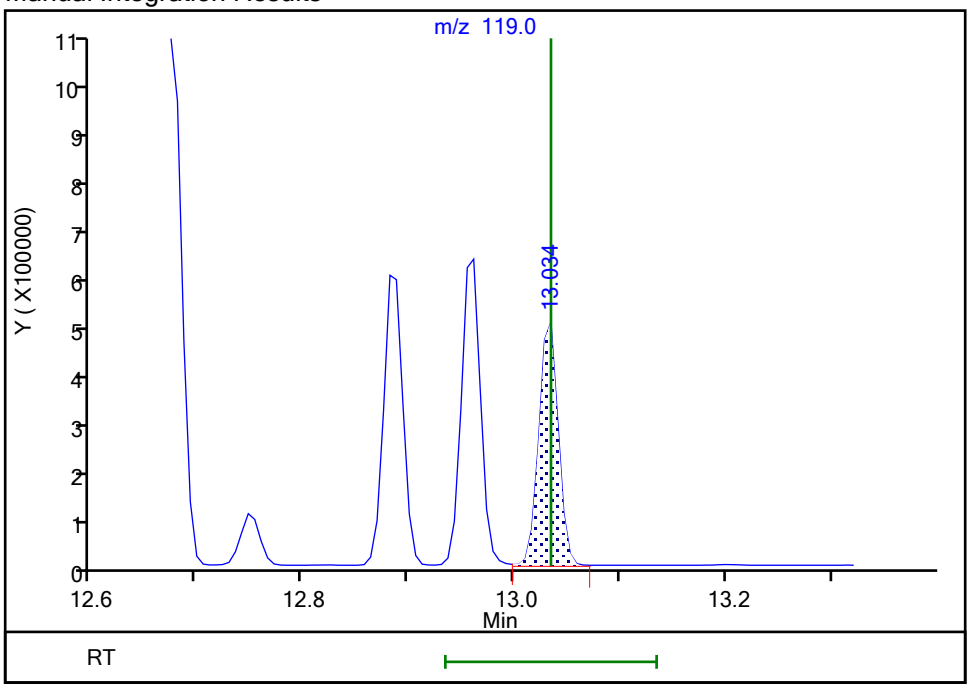
Processing Integration Results

RT: 12.96
Area: 773663
Amount: 62.182693
Amount Units: ug/l



Manual Integration Results

RT: 13.03
Area: 613919
Amount: 50.890575
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:57:40 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

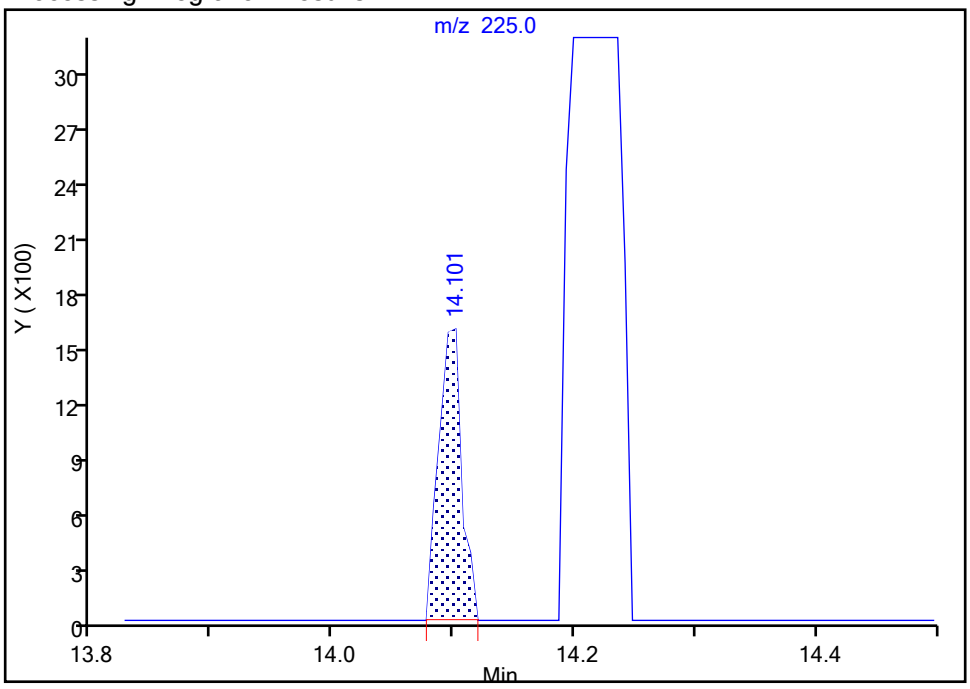
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X15.D
Injection Date: 24-Feb-2025 20:28:30 Instrument ID: 26285
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

174 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

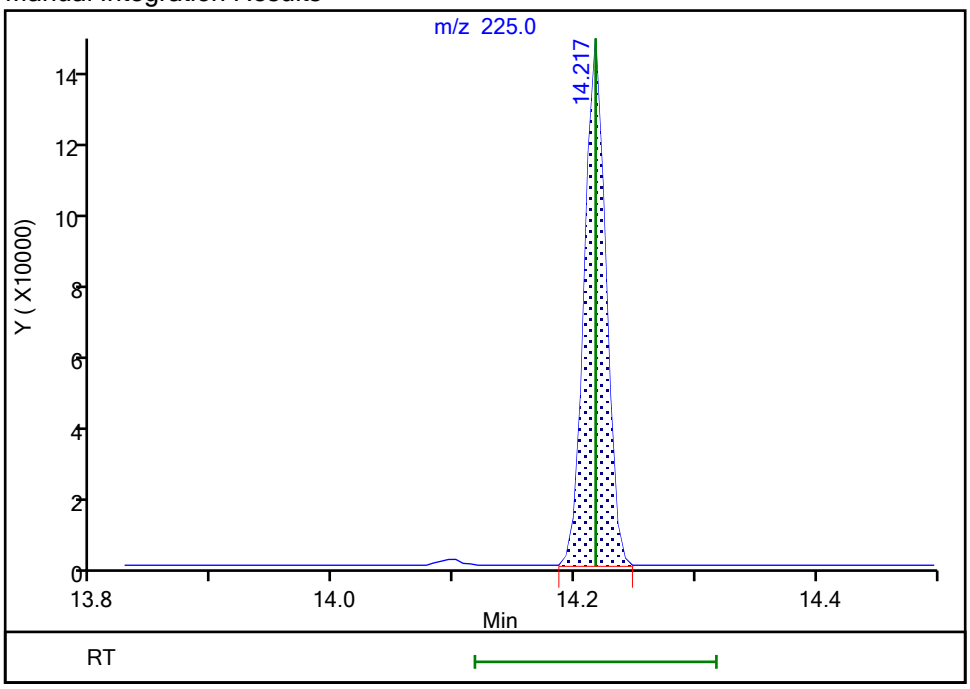
Processing Integration Results

RT: 14.10
Area: 2090
Amount: 1.098434
Amount Units: ug/l



Manual Integration Results

RT: 14.22
Area: 174875
Amount: 51.314869
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 07:14:38 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X16.D
Lims ID: IC v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 24-Feb-2025 20:48:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0138970-017
Misc. Info.: IC V100
Operator ID: knk41612 Instrument ID: 26285
Sublist: chrom-MSVoa_26285a*sub89

Method: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 27-Feb-2025 12:27:53 Calib Date: 24-Feb-2025 21:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: TQ4J Date: 25-Feb-2025 07:03:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.604	1.598	0.006	100	1014886	100.0	88.3	
4 Chloromethane	50	1.775	1.774	0.001	99	1129984	100.0	91.2	
6 Butadiene	39	1.848	1.841	0.007	95	1140997	100.0	84.0	
5 Vinyl chloride	62	1.872	1.866	0.006	98	981095	100.0	91.3	
8 Bromomethane	94	2.159	2.158	0.001	91	728546	100.0	96.8	
9 Chloroethane	64	2.195	2.189	0.006	99	566677	100.0	92.0	
10 Dichlorofluoromethane	67	2.439	2.433	0.006	97	1759149	100.0	92.8	
12 Pentane	43	2.451	2.451	0.000	97	1167074	100.0	94.6	
11 Trichlorofluoromethane	101	2.482	2.476	0.006	99	1119448	100.0	92.4	
14 Ethyl ether	59	2.628	2.628	0.000	96	499295	100.0	98.1	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	2.732	2.732	0.000	94	885766	100.0	92.8	
16 Acrolein	56	2.780	2.774	0.006	99	2354258	975.9	940.7	
17 1,1-Dichloroethene	96	2.902	2.890	0.012	96	559359	100.0	95.4	
18 Acetone	58	2.927	2.914	0.013	98	228960	200.0	192.6	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.939	2.939	0.000	93	685633	100.0	98.3	
20 Iodomethane	142	3.073	3.067	0.006	98	1167422	100.0	97.0	
21 Isopropyl alcohol	45	3.079	3.079	0.000	37	512446	500.0	510.5	
22 Carbon disulfide	76	3.140	3.140	0.000	99	2251115	100.0	95.8	M
24 Methyl acetate	43	3.262	3.262	0.000	100	859235	100.0	90.8	
25 3-Chloro-1-propene	41	3.286	3.280	0.006	90	1115027	100.0	92.0	
26 Methylene Chloride	84	3.451	3.451	0.000	97	672023	100.0	95.4	
* 27 t-Butyl alcohol-d10 (IS)	65	3.536	3.536	0.000	86	403971	250.0	250.0	
29 2-Methyl-2-propanol	59	3.640	3.646	-0.006	96	821370	500.0	488.2	M
30 Acrylonitrile	53	3.738	3.737	0.001	97	1081613	250.0	232.7	
31 trans-1,2-Dichloroethene	96	3.786	3.786	0.000	96	594177	100.0	95.5	
32 Methyl tert-butyl ether	73	3.799	3.798	0.001	96	1932948	100.0	94.1	
33 Hexane	57	4.177	4.176	0.000	96	850702	100.0	95.1	
34 1,1-Dichloroethane	63	4.420	4.414	0.006	96	1155344	100.0	95.8	
36 Isopropyl ether	45	4.481	4.481	0.000	96	2215546	100.0	95.3	
37 2-Chloro-1,3-butadiene	53	4.530	4.530	0.000	92	1020358	100.0	95.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.067	5.054	0.013	100	2046218	100.0	96.9	
39 2-Butanone (MEK)	43	5.292	5.292	0.000	91	1397392	200.0	199.9	
40 cis-1,2-Dichloroethene	96	5.298	5.292	0.006	84	694650	100.0	95.3	
41 2,2-Dichloropropane	77	5.323	5.310	0.013	90	963327	100.0	94.2	
43 Propionitrile	54	5.402	5.402	0.000	97	926540	500.0	463.2	
44 Methyl acrylate	55	5.426	5.420	0.006	99	1025060	100.0	98.1	
45 Methacrylonitrile	67	5.609	5.609	0.000	96	993342	250.0	238.2	
46 Chlorobromomethane	128	5.646	5.652	-0.006	96	323058	100.0	96.5	
47 Tetrahydrofuran	71	5.658	5.670	-0.012	88	810854	500.0	482.6	
48 Chloroform	83	5.816	5.816	0.000	94	1108724	100.0	96.1	
50 1,1,1-Trichloroethane	97	6.042	6.042	0.000	99	972148	100.0	96.7	
$ 49 Dibromofluoromethane (Surr)	113	6.042	6.042	0.000	60	282663	50.0	49.6	
51 Cyclohexane	56	6.133	6.133	0.000	94	1265803	100.0	96.7	
S 54 1,2-Dichloroethene, Total	100				0			190.8	
52 Carbon tetrachloride	117	6.255	6.249	0.006	97	819258	100.0	98.8	
53 1,1-Dichloropropene	75	6.261	6.261	0.000	96	906764	100.0	97.1	
55 Isobutyl alcohol	41	6.499	6.505	-0.006	94	800188	1250.0	1205.3	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.511	6.517	-0.006	90	66616	50.0	51.0	
57 Benzene	78	6.536	6.536	0.000	98	2662057	100.0	96.2	
58 1,2-Dichloroethane	62	6.621	6.621	0.000	97	834045	100.0	95.3	
60 Tert-amyl methyl ether	73	6.749	6.749	0.000	98	1887670	100.0	97.4	
* 61 Fluorobenzene (IS)	96	6.969	6.969	0.000	98	1128610	50.0	50.0	
62 n-Heptane	43	6.993	6.987	0.006	96	814873	100.0	93.1	
63 n-Butanol	56	7.420	7.420	0.000	92	571970	1250.0	1317.8	
64 Trichloroethene	95	7.469	7.468	0.001	98	668444	100.0	98.4	
65 Ethyl acrylate	55	7.621	7.621	0.000	99	1104518	100.0	103.8	
66 Methylcyclohexane	83	7.773	7.773	0.000	93	1101318	100.0	99.2	
67 1,2-Dichloropropane	63	7.822	7.822	0.000	96	701993	100.0	97.7	
68 2-ethoxy-2-methyl butane	87	7.840	7.840	0.000	88	865492	100.0	99.2	
69 1,4-Dioxane	88	7.932	7.926	0.006	67	118460	1250.0	1197.7	
70 Dibromomethane	93	7.932	7.926	0.006	95	416699	100.0	97.8	
71 Methyl methacrylate	69	7.932	7.932	0.000	95	574640	100.0	97.9	
74 Dichlorobromomethane	83	8.188	8.188	0.000	99	822248	100.0	100.4	
75 2-Nitropropane	41	8.493	8.493	0.000	98	1498997	500.0	488.4	
76 2-Chloroethyl vinyl ether	63	8.590	8.590	0.000	92	490452	100.0	104.3	
77 cis-1,3-Dichloropropene	75	8.773	8.773	0.000	94	1059723	100.0	101.8	
78 4-Methyl-2-pentanone (MIBK)	43	8.987	8.986	0.001	98	3094797	200.0	223.2	
$ 79 Toluene-d8 (Surr)	98	9.115	9.114	0.001	96	1099126	50.0	50.1	
80 Toluene	92	9.200	9.200	0.000	97	1598540	100.0	96.9	
84 trans-1,3-Dichloropropene	75	9.517	9.511	0.006	95	929624	100.0	100.8	
85 Ethyl methacrylate	69	9.596	9.596	0.000	92	1021000	100.0	96.0	
86 1,1,2-Trichloroethane	97	9.736	9.736	0.000	91	559739	100.0	97.3	
87 Tetrachloroethene	166	9.810	9.809	0.001	98	666706	100.0	96.3	
88 1,3-Dichloropropane	76	9.913	9.913	0.000	95	921391	100.0	98.4	
90 2-Hexanone	43	9.986	9.986	0.000	99	2160770	200.0	215.1	
S 97 1,3-Dichloropropene, Total	100				0			202.6	
91 Chlorodibromomethane	129	10.145	10.139	0.006	90	632036	100.0	103.8	
96 Ethylene Dibromide	107	10.255	10.254	0.001	98	595431	100.0	99.0	
* 98 Chlorobenzene-d5 (IS)	117	10.724	10.724	0.000	86	813014	50.0	50.0	
100 1-Chlorohexane	91	10.748	10.748	0.000	93	791658	100.0	91.6	
99 Chlorobenzene	112	10.754	10.754	0.000	94	1696097	100.0	97.6	
128 1,1,1,2-Tetrachloroethane	131	10.846	10.846	0.000	96	652793	100.0	99.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
129 Ethylbenzene	91	10.852	10.852	0.000	99	3213307	100.0	96.5	
130 m-Xylene & p-Xylene	106	10.980	10.980	0.000	99	2397642	200.0	192.8	
S 134 Xylenes, Total	106				0			289.3	
131 n-Butyl acrylate	55	11.297	11.297	0.000	95	1538677	100.0	96.8	
132 o-Xylene	106	11.328	11.327	0.001	97	1238755	100.0	96.5	
133 Styrene	104	11.346	11.346	0.000	95	1940267	100.0	97.0	
135 Bromoform	173	11.504	11.504	0.000	97	493578	100.0	103.7	
136 Isopropylbenzene	105	11.651	11.651	0.000	96	2904192	100.0	98.0	
137 Cyclohexanone	55	11.724	11.724	0.000	95	565526	1249.9	1242.1	
$ 140 4-Bromofluorobenzene (Surr)	95	11.797	11.797	0.000	92	390807	50.0	48.2	
143 Bromobenzene	156	11.913	11.913	0.000	97	714324	100.0	100.2	
144 1,1,2,2-Tetrachloroethane	83	11.913	11.913	0.000	94	1109414	100.0	101.1	
145 trans-1,4-Dichloro-2-butene	53	11.943	11.943	0.000	91	763328	250.0	256.5	
146 1,2,3-Trichloropropane	110	11.955	11.955	0.000	85	286673	100.0	100.8	
147 N-Propylbenzene	91	11.992	11.992	0.000	99	3754076	100.0	101.0	
148 2-Chlorotoluene	126	12.065	12.065	0.000	95	718202	100.0	100.5	M
149 1,3,5-Trimethylbenzene	105	12.138	12.138	0.000	93	2662762	100.0	104.9	
150 4-Chlorotoluene	126	12.169	12.169	0.000	98	685324	100.0	100.5	a
152 tert-Butylbenzene	134	12.388	12.388	0.000	94	452929	100.0	107.8	
154 1,2,4-Trimethylbenzene	105	12.437	12.437	0.000	98	2678598	100.0	102.9	
155 sec-Butylbenzene	105	12.559	12.559	0.000	95	3210071	100.0	104.2	
156 1,3-Dichlorobenzene	146	12.657	12.656	0.001	98	1313510	100.0	99.4	a
157 4-Isopropyltoluene	119	12.675	12.675	0.000	98	2722710	100.0	104.0	a
* 158 1,4-Dichlorobenzene-d4	152	12.718	12.717	0.001	93	423063	50.0	50.0	
159 1,4-Dichlorobenzene	146	12.736	12.736	0.000	95	1315909	100.0	98.3	a
160 1,2,3-Trimethylbenzene	105	12.748	12.748	0.000	99	2744798	100.0	103.3	
164 Benzyl chloride	91	12.821	12.821	0.000	99	2115119	100.0	104.0	a
165 1,3-Diethylbenzene	119	12.888	12.882	0.006	95	1507957	100.0	102.2	a
166 p-Diethylbenzene	119	12.961	12.961	0.000	93	1577480	100.0	100.5	a
167 n-Butylbenzene	92	12.980	12.980	0.000	98	1312777	100.0	99.9	
168 1,2-Dichlorobenzene	146	13.004	13.004	0.000	98	1349295	100.0	99.4	
169 o-diethylbenzene	119	13.035	13.034	0.001	96	1286773	100.0	105.0	a
170 1,2-Dibromo-3-Chloropropane	75	13.565	13.565	0.000	84	306290	100.0	103.6	
171 1,3,5-Trichlorobenzene	180	13.693	13.693	0.000	98	959996	100.0	101.0	
173 1,2,4-Trichlorobenzene	180	14.126	14.126	0.000	94	920814	100.0	102.4	
175 2-Ethylhexyl acrylate	55	14.205	14.211	-0.006	82	1028713	99.9	108.6	
174 Hexachlorobutadiene	225	14.217	14.217	0.000	93	354125	100.0	102.3	a
176 Naphthalene	128	14.315	14.315	0.000	97	3699940	100.0	103.5	
177 1,2,3-Trichlorobenzene	180	14.461	14.461	0.000	96	911617	100.0	101.7	
178 2-Methylnaphthalene	142	15.071	15.071	0.000	92	1843559	100.0	109.3	
S 182 Total Diethylbenzene	1				0			307.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_CYC_00011	Amount Added:	10.00	Units: uL	
MSV_CCV_GASES_00961	Amount Added:	2.50	Units: uL	
MSV_CCV_VOC#3_00225	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00216	Amount Added:	5.00	Units: uL	
MSV_CCV_EE_00008	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#1_00224	Amount Added:	5.00	Units: uL	
MSV_CCV_OH_Sp_00019	Amount Added:	5.00	Units: uL	
MSV_Cent_ISSS_00034	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 27-Feb-2025 12:27:54 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X16.D

Injection Date: 24-Feb-2025 20:48:30 Instrument ID: 26285 Operator ID: knk41612

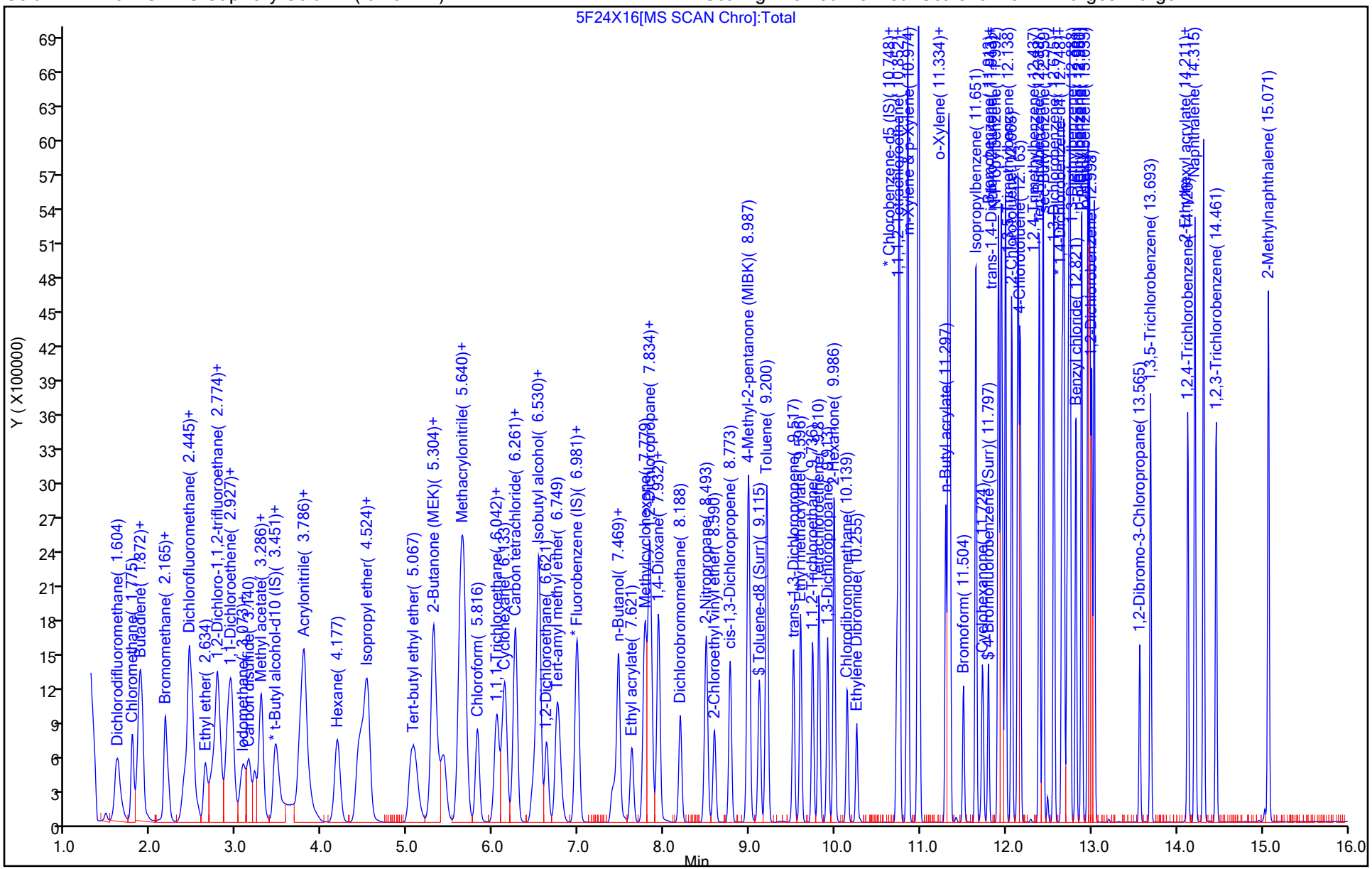
Lims ID: IC v100 Worklist Smp#: 17

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 16

Method: MSVoa_26285a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

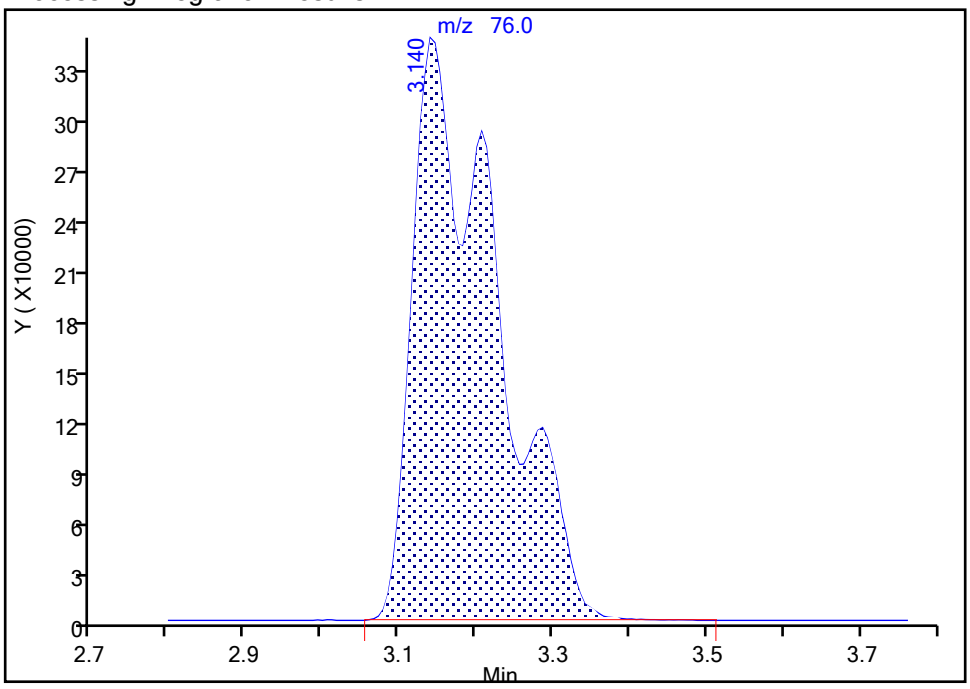
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X16.D
Injection Date: 24-Feb-2025 20:48:30 Instrument ID: 26285
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

22 Carbon disulfide, CAS: 75-15-0

Signal: 1

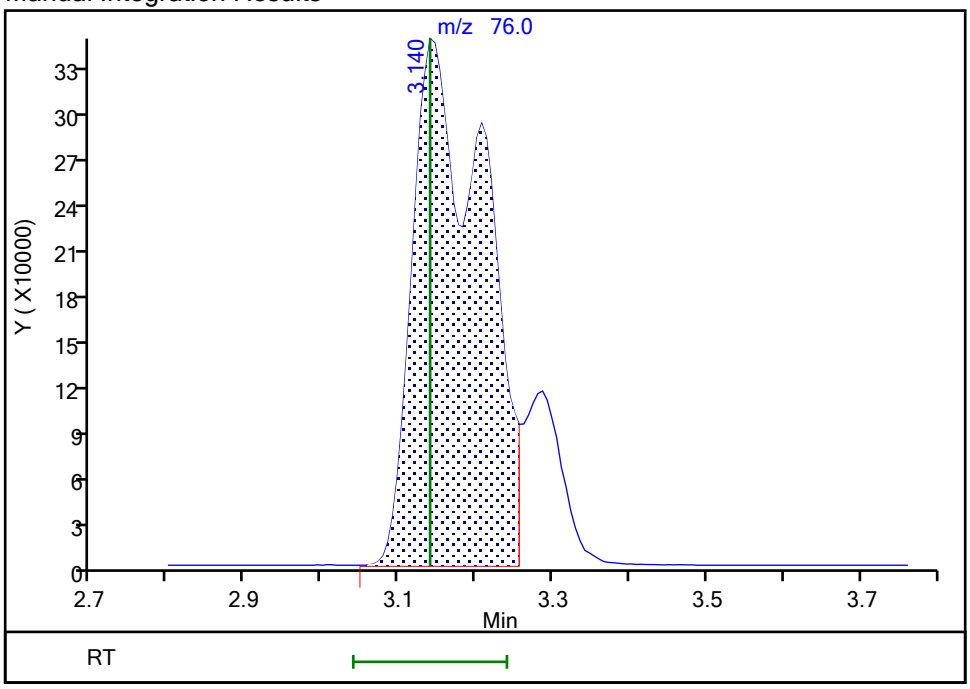
Processing Integration Results

RT: 3.14
Area: 2638031
Amount: 109.0795
Amount Units: ug/l



Manual Integration Results

RT: 3.14
Area: 2251115
Amount: 95.789543
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:57:34 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

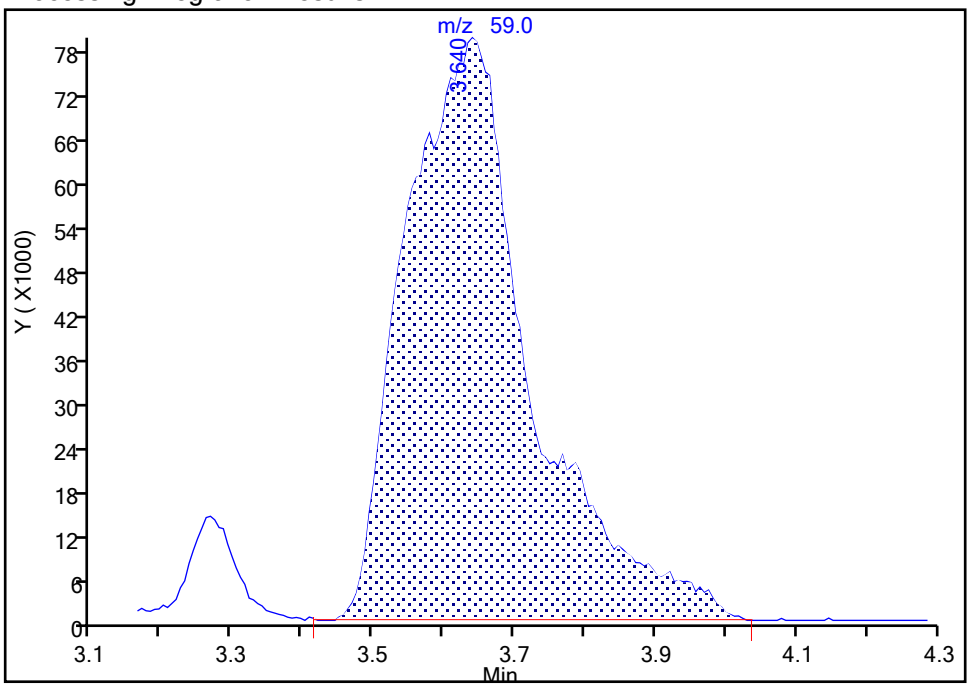
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X16.D
Injection Date: 24-Feb-2025 20:48:30 Instrument ID: 26285
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

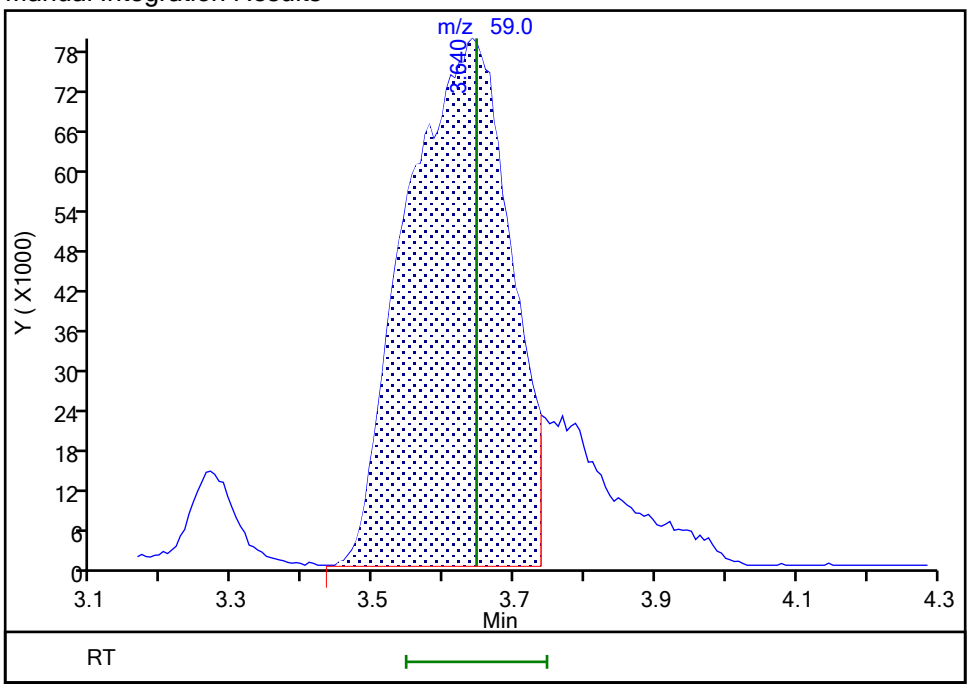
Processing Integration Results

RT: 3.64
Area: 988149
Amount: 579.4821
Amount Units: ug/l



Manual Integration Results

RT: 3.64
Area: 821370
Amount: 488.1698
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:58:08 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

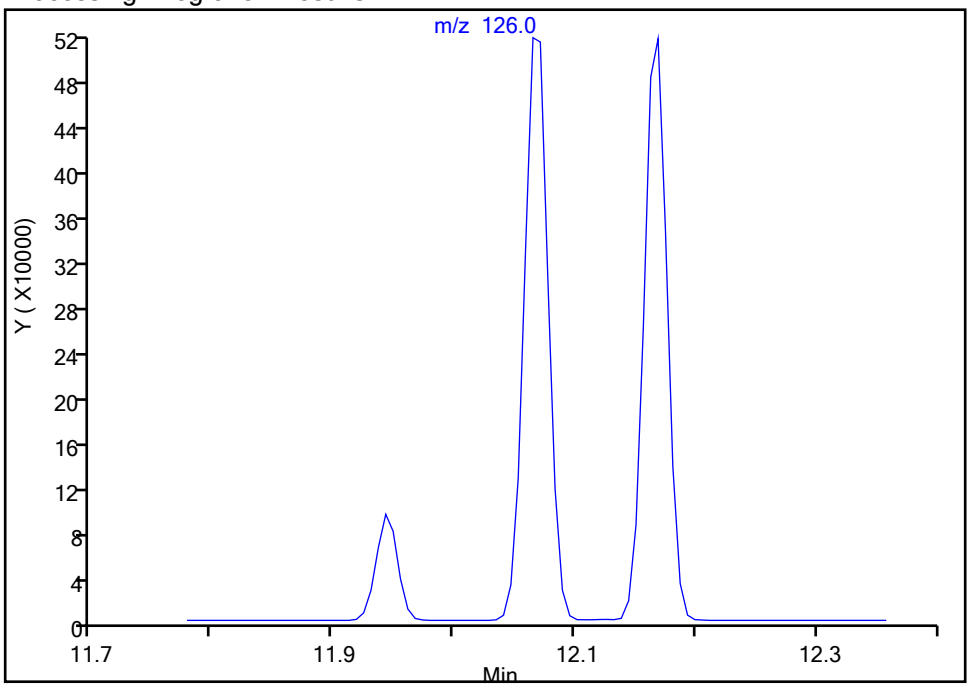
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X16.D
Injection Date: 24-Feb-2025 20:48:30 Instrument ID: 26285
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

148 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

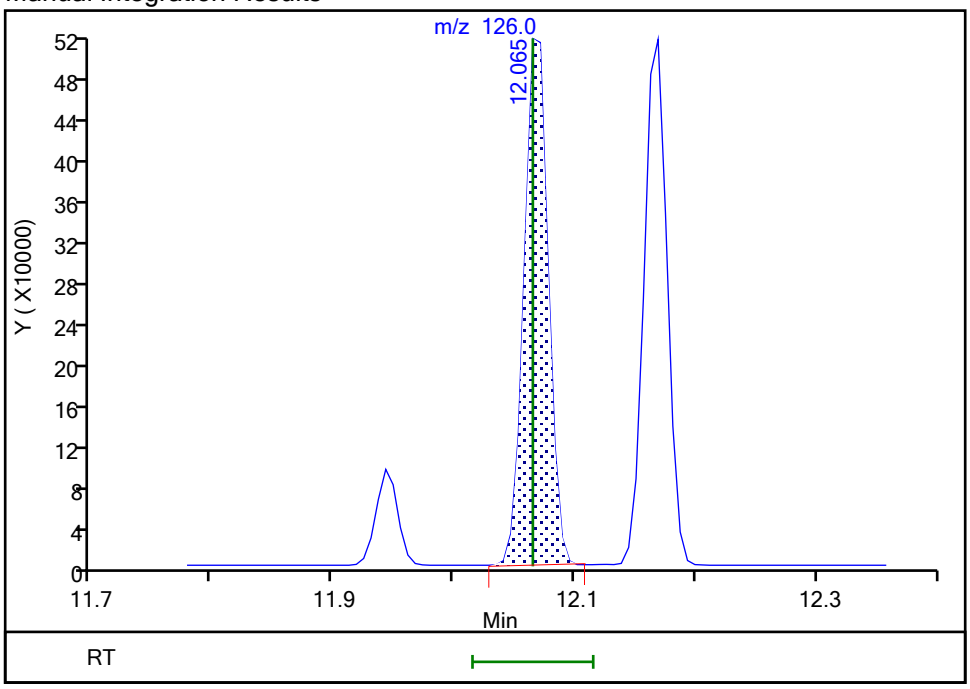
Not Detected
Expected RT: 12.07

Processing Integration Results



Manual Integration Results

RT: 12.07
Area: 718202
Amount: 100.5423
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 11:56:51 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

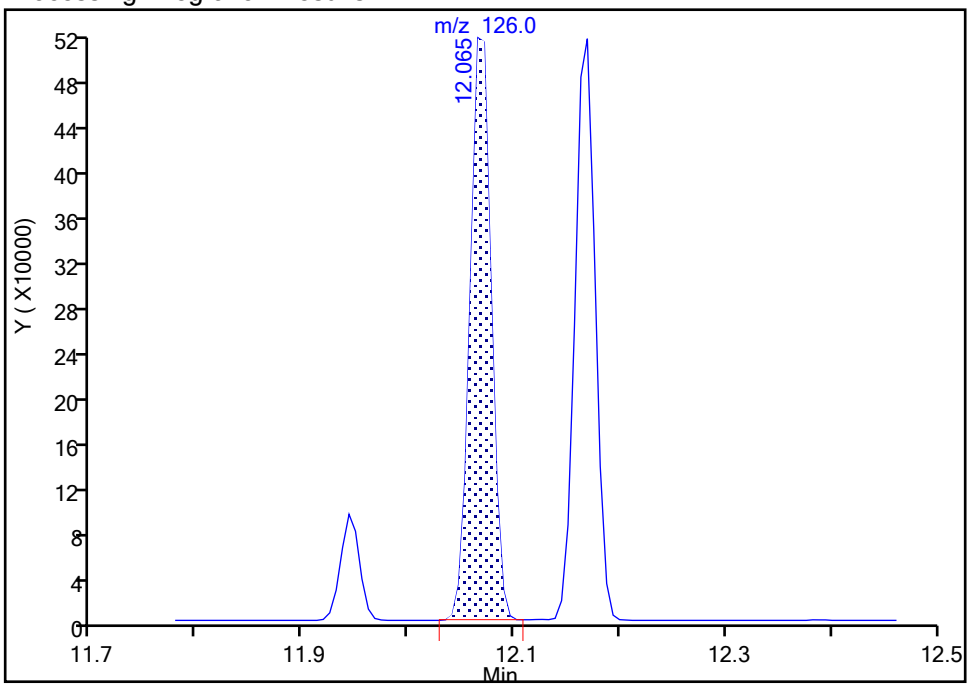
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X16.D
Injection Date: 24-Feb-2025 20:48:30 Instrument ID: 26285
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

150 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

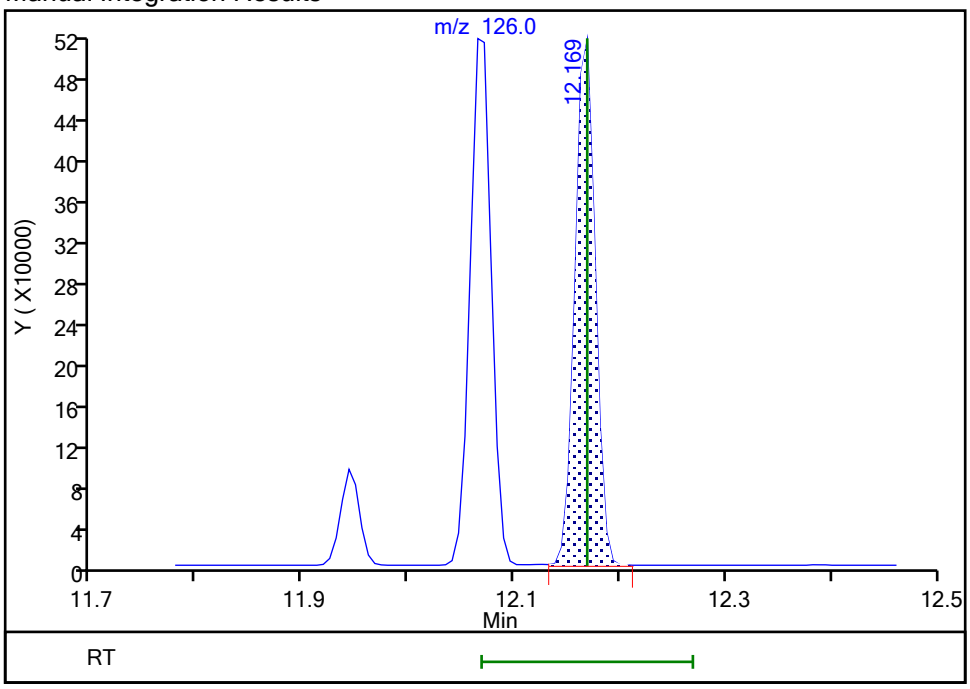
Processing Integration Results

RT: 12.07
Area: 719608
Amount: 102.0415
Amount Units: ug/l



Manual Integration Results

RT: 12.17
Area: 685324
Amount: 100.5029
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 06:59:32 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

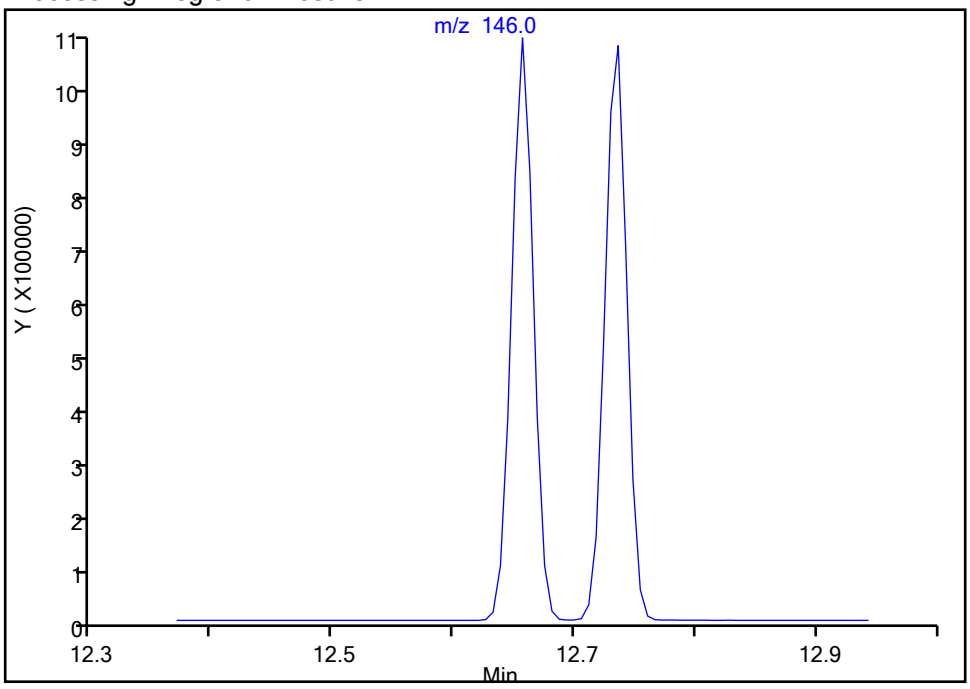
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X16.D
Injection Date: 24-Feb-2025 20:48:30 Instrument ID: 26285
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

156 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

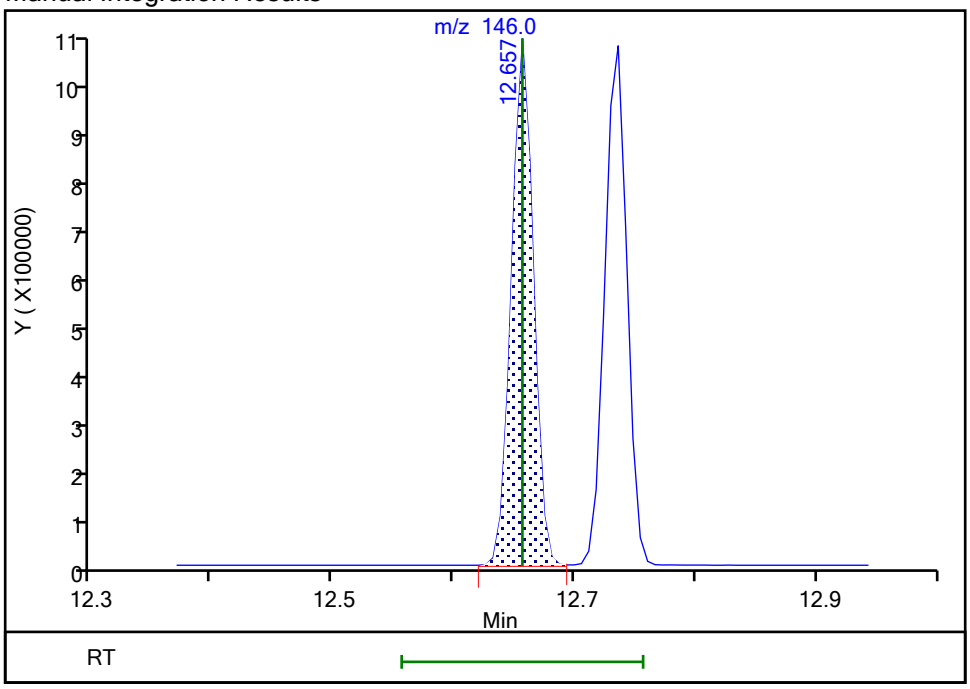
Not Detected
Expected RT: 12.66

Processing Integration Results



Manual Integration Results

RT: 12.66
Area: 1313510
Amount: 99.380601
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 07:00:12 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

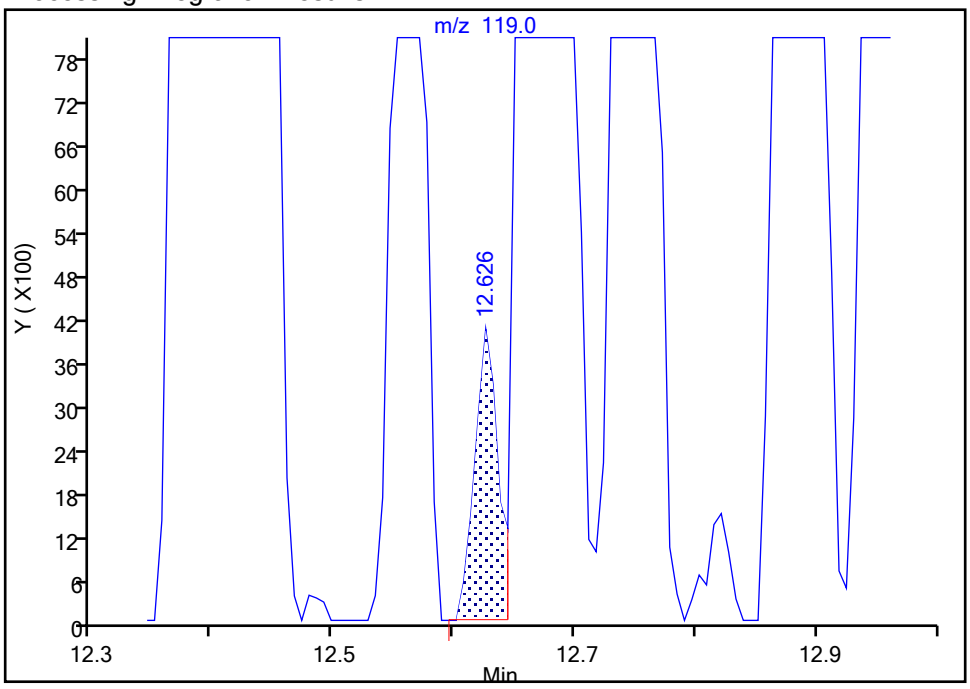
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X16.D
Injection Date: 24-Feb-2025 20:48:30 Instrument ID: 26285
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

157 4-Isopropyltoluene, CAS: 99-87-6

Signal: 1

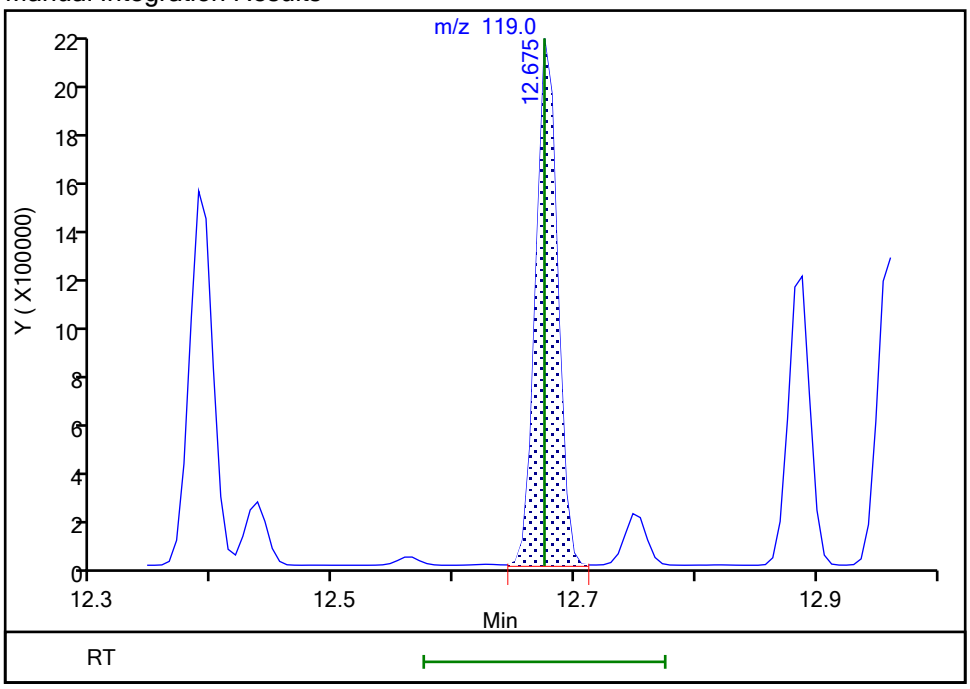
Processing Integration Results

RT: 12.63
Area: 5470
Amount: 0.254729
Amount Units: ug/l



Manual Integration Results

RT: 12.67
Area: 2722710
Amount: 104.0058
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 07:00:22 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

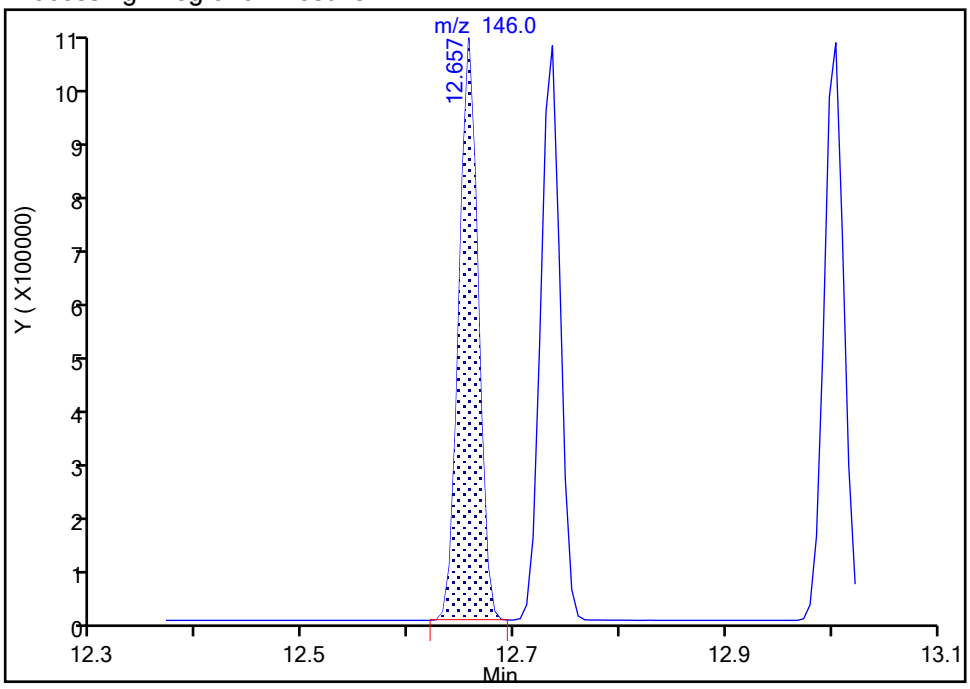
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X16.D
Injection Date: 24-Feb-2025 20:48:30 Instrument ID: 26285
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

159 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

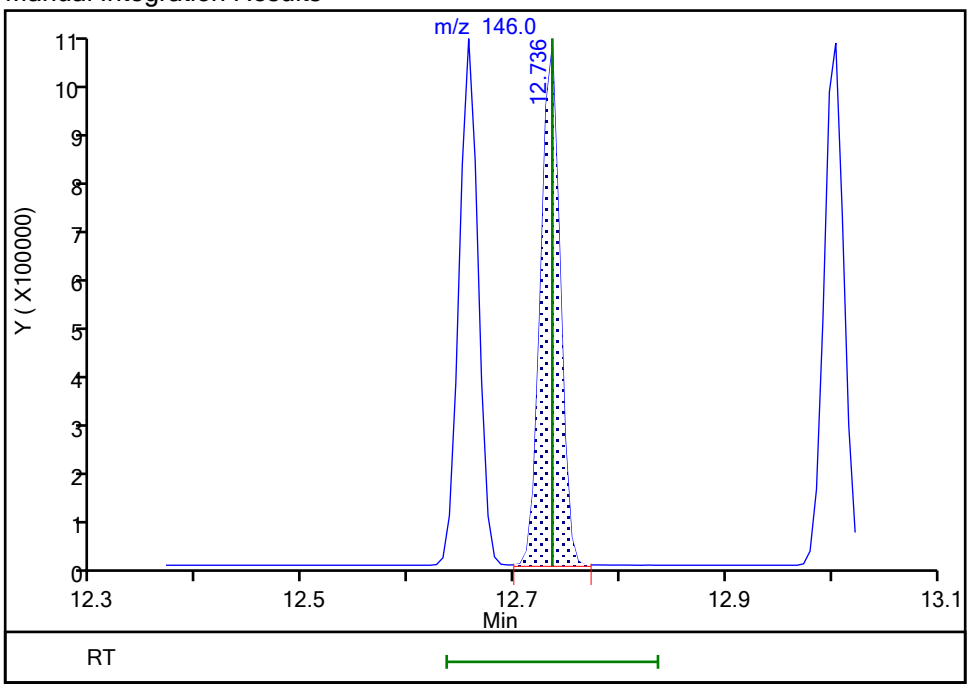
Processing Integration Results

RT: 12.66
Area: 1313510
Amount: 97.635615
Amount Units: ug/l



Manual Integration Results

RT: 12.74
Area: 1315909
Amount: 98.299361
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 07:00:30 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

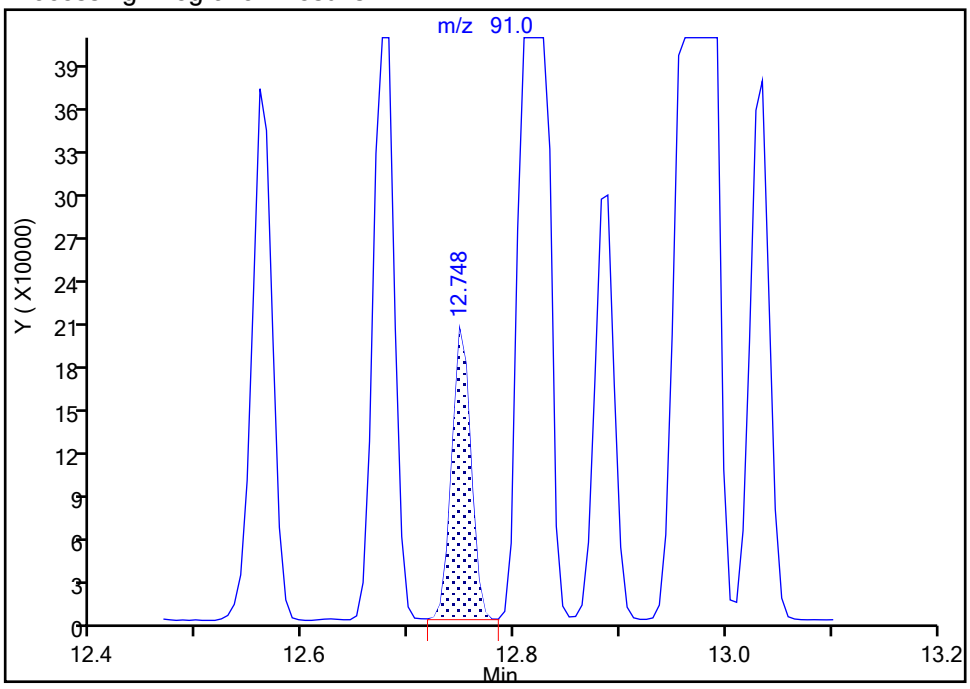
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X16.D
Injection Date: 24-Feb-2025 20:48:30 Instrument ID: 26285
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

164 Benzyl chloride, CAS: 100-44-7

Signal: 1

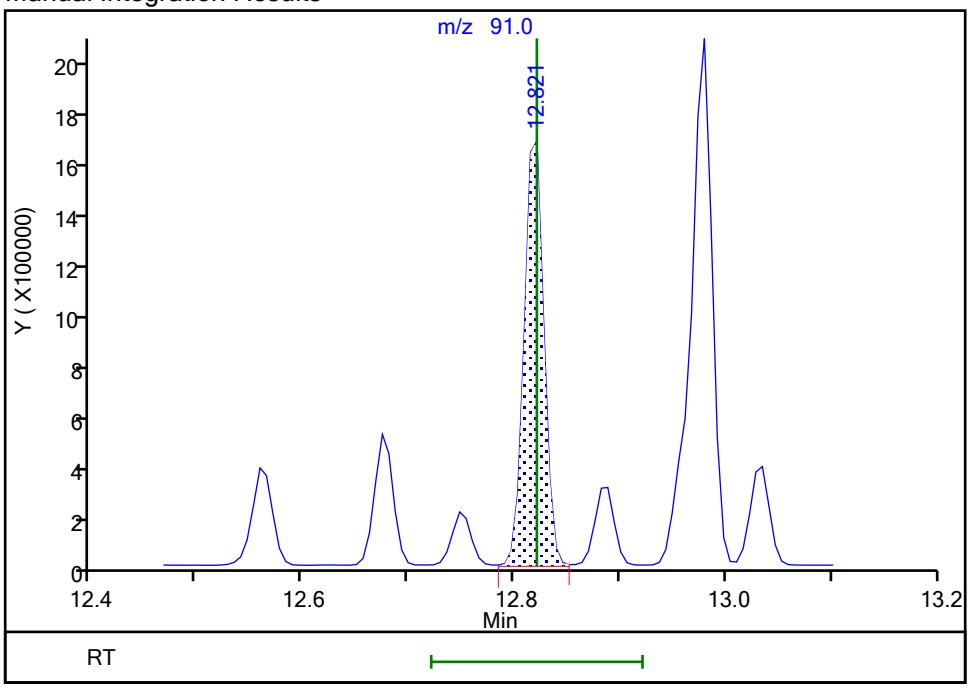
Processing Integration Results

RT: 12.75
Area: 257718
Amount: 14.891226
Amount Units: ug/l



Manual Integration Results

RT: 12.82
Area: 2115119
Amount: 103.9899
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 07:00:45 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

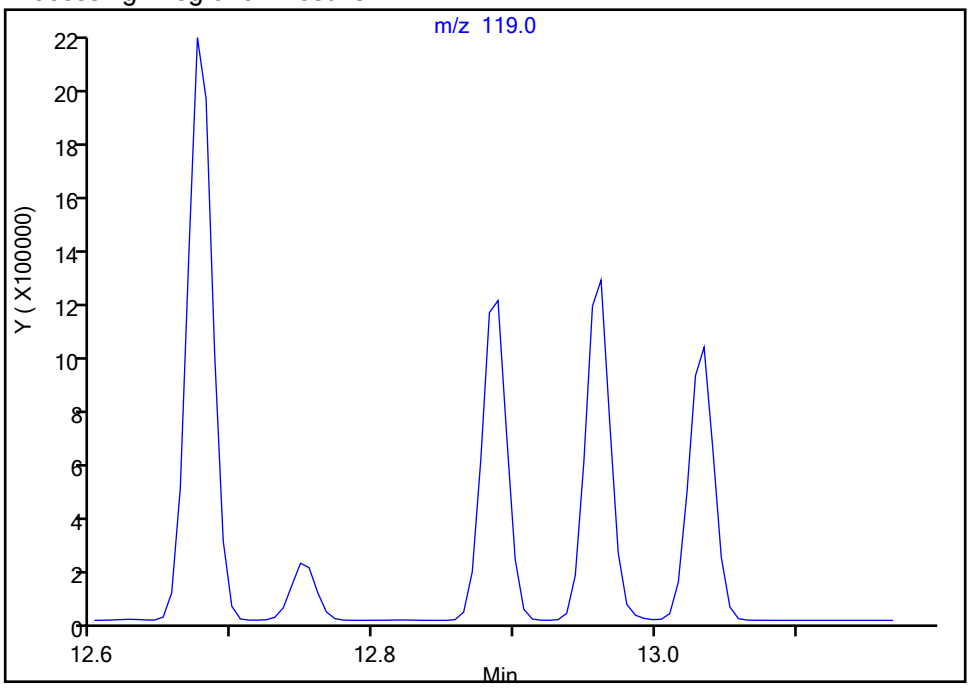
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X16.D
Injection Date: 24-Feb-2025 20:48:30 Instrument ID: 26285
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

165 1,3-Diethylbenzene, CAS: 141-93-5

Signal: 1

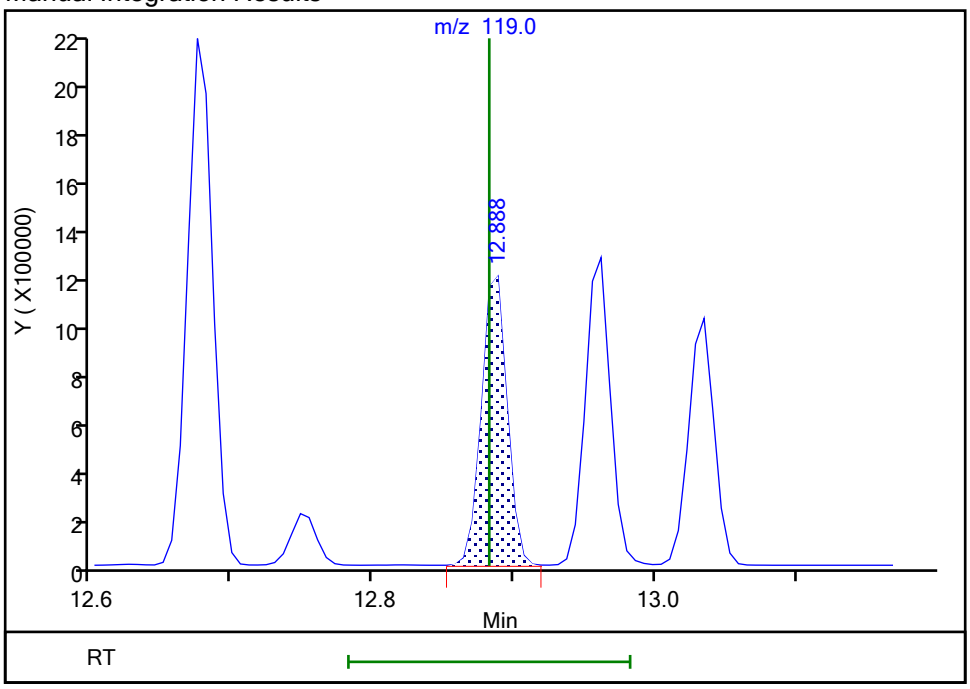
Not Detected
Expected RT: 12.88

Processing Integration Results



Manual Integration Results

RT: 12.89
Area: 1507957
Amount: 102.2016
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 07:00:52 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

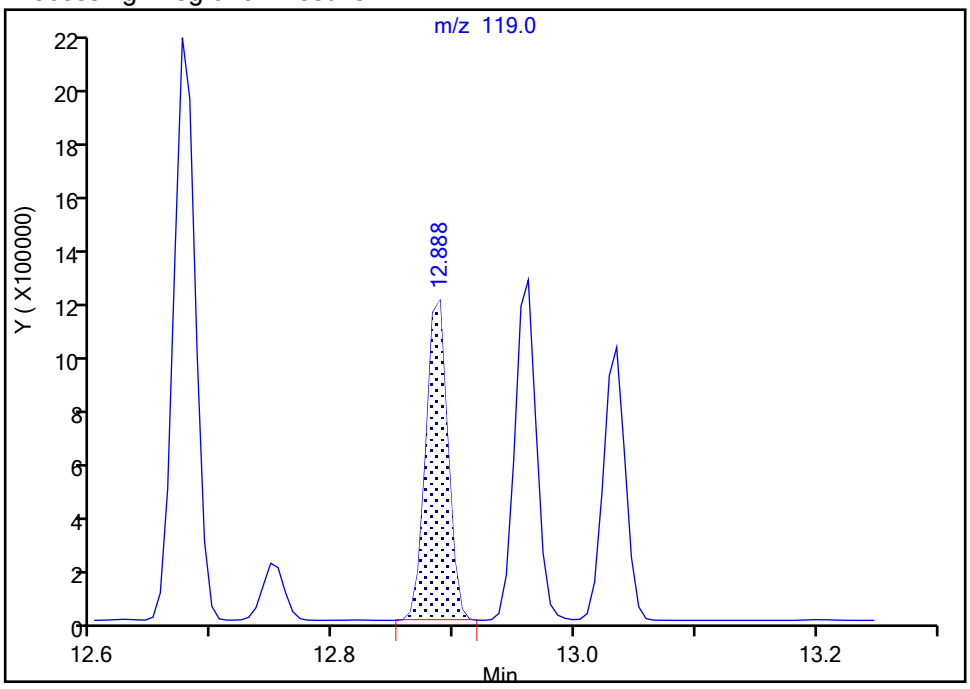
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X16.D
Injection Date: 24-Feb-2025 20:48:30 Instrument ID: 26285
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

166 p-Diethylbenzene, CAS: 105-05-5

Signal: 1

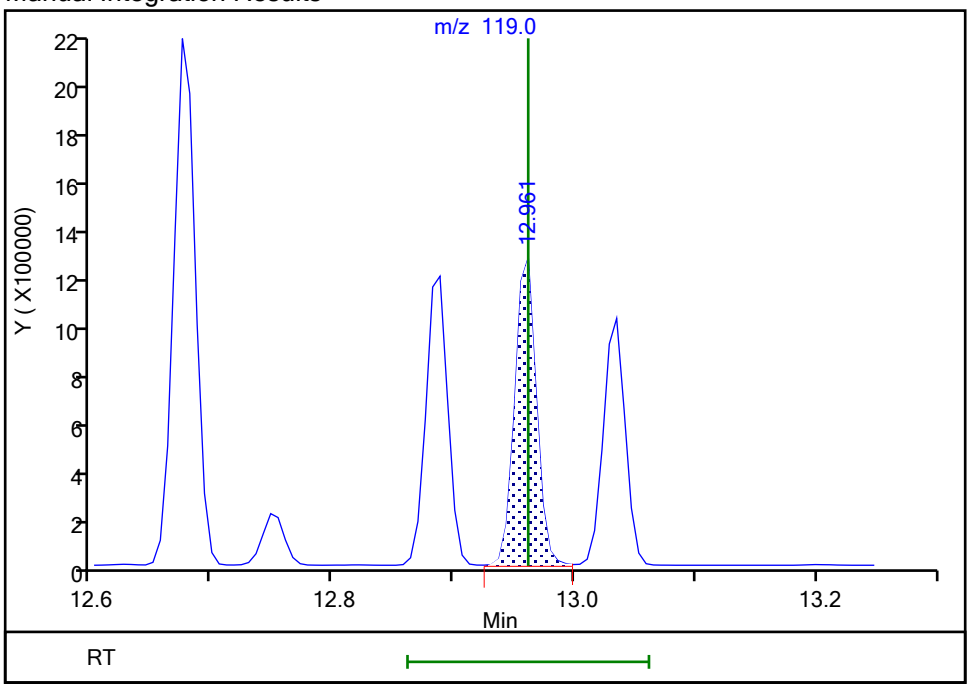
Processing Integration Results

RT: 12.89
Area: 1507957
Amount: 96.922867
Amount Units: ug/l



Manual Integration Results

RT: 12.96
Area: 1577480
Amount: 100.4549
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 07:01:00 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

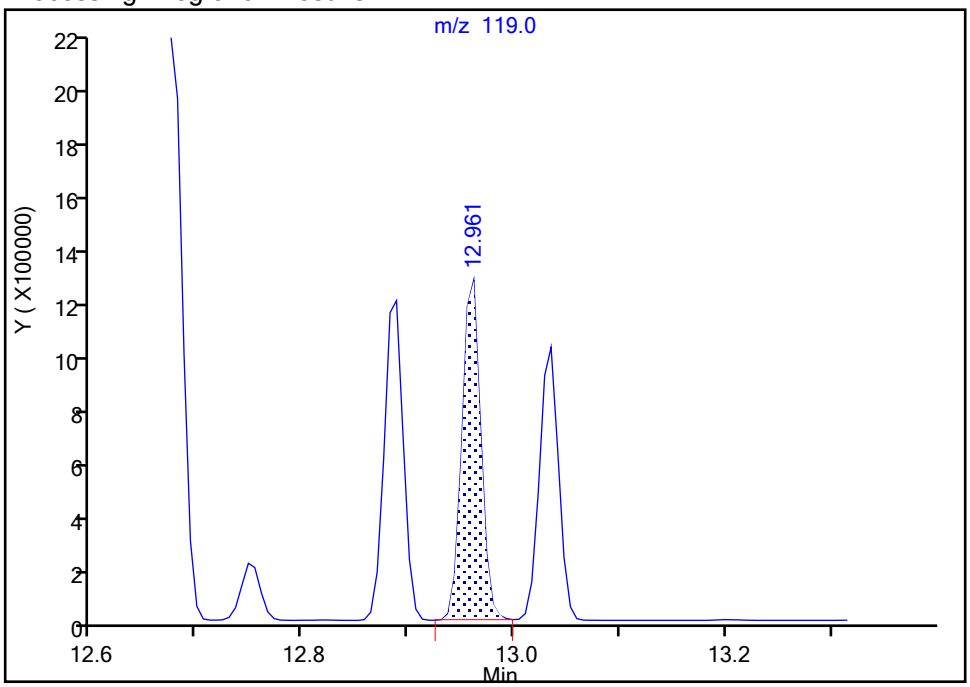
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X16.D
Injection Date: 24-Feb-2025 20:48:30 Instrument ID: 26285
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

169 o-diethylbenzene, CAS: 135-01-3

Signal: 1

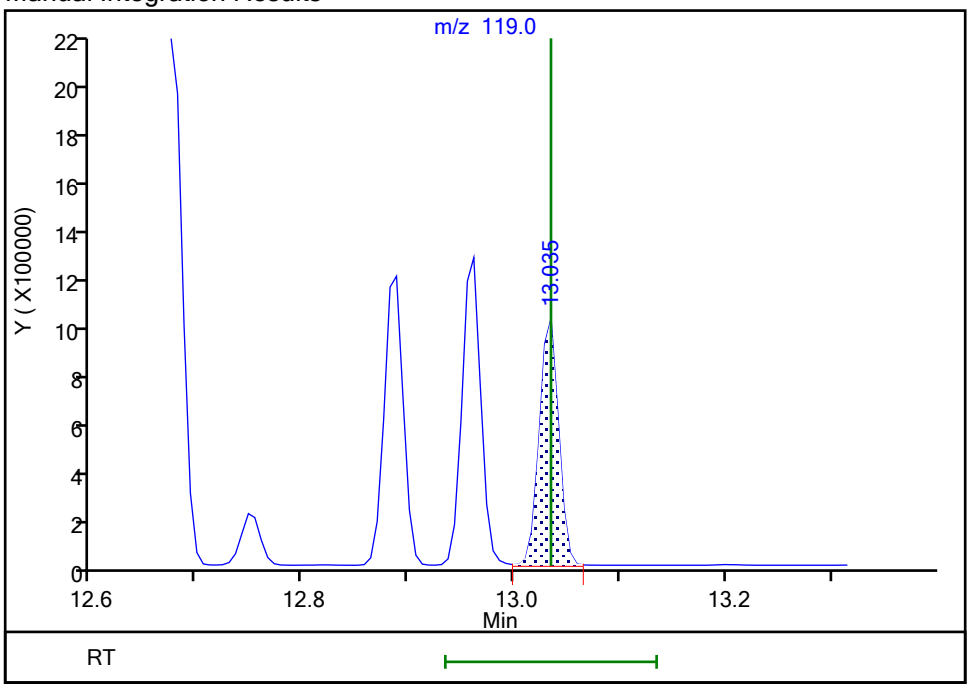
Processing Integration Results

RT: 12.96
Area: 1577480
Amount: 125.0324
Amount Units: ug/l



Manual Integration Results

RT: 13.03
Area: 1286773
Amount: 105.0456
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 07:01:13 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

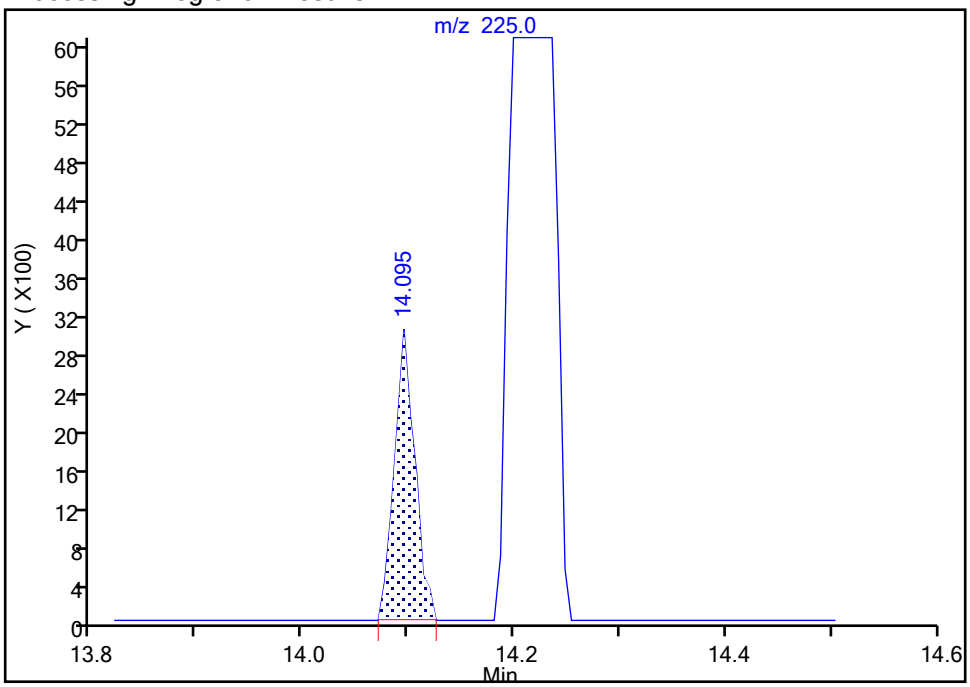
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X16.D
Injection Date: 24-Feb-2025 20:48:30 Instrument ID: 26285
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

174 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

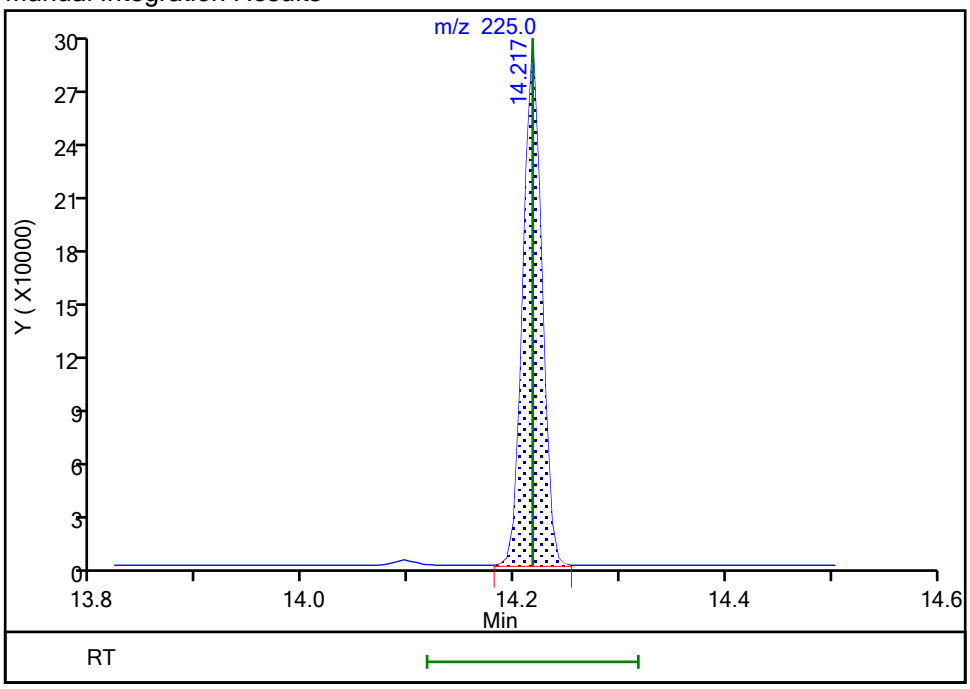
Processing Integration Results

RT: 14.10
Area: 4039
Amount: 1.659846
Amount Units: ug/l



Manual Integration Results

RT: 14.22
Area: 354125
Amount: 102.3344
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 07:14:59 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X17.D
Lims ID: IC v300
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 24-Feb-2025 21:09:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0138970-018
Misc. Info.: IC V300
Operator ID: knk41612 Instrument ID: 26285
Sublist: chrom-MSVoa_26285a*sub89

Method: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 27-Feb-2025 12:27:59 Calib Date: 24-Feb-2025 21:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: TQ4J Date: 25-Feb-2025 07:06:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.598	1.598	0.000	99	3362677	300.0	289.4	
4 Chloromethane	50	1.775	1.774	0.001	99	3317398	300.0	264.8	
6 Butadiene	39	1.884	1.841	0.043	94	3521633	300.0	256.2	M
5 Vinyl chloride	62	1.866	1.866	0.000	98	2987693	300.0	274.9	
8 Bromomethane	94	2.159	2.158	0.001	91	2151989	300.0	282.8	
9 Chloroethane	64	2.189	2.189	0.000	99	1649239	300.0	264.7	
10 Dichlorofluoromethane	67	2.433	2.433	0.000	97	5227070	300.0	272.7	
12 Pentane	43	2.451	2.451	0.000	96	3526991	300.0	282.6	
11 Trichlorofluoromethane	101	2.476	2.476	0.000	97	3553539	300.0	289.9	
14 Ethyl ether	59	2.622	2.628	-0.006	96	1410612	300.0	274.0	
15 1,2-Dichloro-1,1,2-trifluoroetha	67	2.732	2.732	0.000	95	2657573	300.0	275.2	
16 Acrolein	56	2.774	2.774	0.000	99	6799931	2927.6	2933.1	
17 1,1-Dichloroethene	96	2.908	2.890	0.018	96	1693598	300.0	285.6	
18 Acetone	58	2.921	2.914	0.007	98	677437	600.0	615.3	
19 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.939	2.939	0.000	93	2064823	300.0	292.6	
20 Iodomethane	142	3.073	3.067	0.006	98	3504294	300.0	287.9	
21 Isopropyl alcohol	45	3.049	3.079	-0.030	95	1300666	1500.0	1398.8	
22 Carbon disulfide	76	3.207	3.140	0.067	99	7059809	300.0	297.0	M
24 Methyl acetate	43	3.256	3.262	-0.006	99	2517437	300.0	263.1	
25 3-Chloro-1-propene	41	3.280	3.280	0.000	93	3275268	300.0	267.2	
26 Methylene Chloride	84	3.457	3.451	0.006	97	2009188	300.0	281.9	
* 27 t-Butyl alcohol-d10 (IS)	65	3.524	3.536	-0.012	96	374202	250.0	250.0	
29 2-Methyl-2-propanol	59	3.628	3.646	-0.018	100	2022162	1500.0	1297.5	
30 Acrylonitrile	53	3.731	3.737	-0.006	98	3209799	750.0	682.7	
31 trans-1,2-Dichloroethene	96	3.780	3.786	-0.006	96	1717815	300.0	272.9	
32 Methyl tert-butyl ether	73	3.805	3.798	0.007	96	5727747	300.0	275.8	
33 Hexane	57	4.164	4.176	-0.012	96	2488779	300.0	275.1	
34 1,1-Dichloroethane	63	4.414	4.414	0.000	96	3332065	300.0	273.1	
36 Isopropyl ether	45	4.487	4.481	0.006	97	6571667	300.0	279.4	
37 2-Chloro-1,3-butadiene	53	4.524	4.530	-0.006	92	2946047	300.0	273.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 Tert-butyl ethyl ether	59	5.067	5.054	0.013	100	6102413	300.0	285.8	
39 2-Butanone (MEK)	43	5.292	5.292	0.000	99	3931464	600.0	556.2	
40 cis-1,2-Dichloroethene	96	5.292	5.292	0.000	83	2012155	300.0	273.1	
41 2,2-Dichloropropane	77	5.323	5.310	0.013	89	2865073	300.0	277.0	
43 Propionitrile	54	5.396	5.402	-0.006	97	2916121	1500.0	1573.8	
44 Methyl acrylate	55	5.420	5.420	0.000	100	3089325	300.1	292.2	
45 Methacrylonitrile	67	5.609	5.609	0.000	96	3031444	750.0	718.8	
46 Chlorobromomethane	128	5.646	5.652	-0.006	79	945799	300.0	279.4	
47 Tetrahydrofuran	71	5.658	5.670	-0.012	90	2474514	1500.0	1589.8	
48 Chloroform	83	5.810	5.816	-0.006	94	3236134	300.0	277.2	
50 1,1,1-Trichloroethane	97	6.036	6.042	-0.006	99	2936082	300.0	288.6	
$ 49 Dibromofluoromethane (Surr)	113	6.036	6.042	-0.006	94	287414	50.0	49.9	
51 Cyclohexane	56	6.140	6.133	0.007	94	3817194	300.0	288.4	
S 54 1,2-Dichloroethene, Total	100				0			545.9	
52 Carbon tetrachloride	117	6.255	6.249	0.006	96	2507496	300.0	298.9	
53 1,1-Dichloropropene	75	6.261	6.261	0.000	96	2690557	300.0	284.9	
55 Isobutyl alcohol	41	6.499	6.505	-0.006	94	2158083	3750.0	3509.4	
$ 56 1,2-Dichloroethane-d4 (Surr)	102	6.511	6.517	-0.006	87	66429	50.0	50.3	
57 Benzene	78	6.536	6.536	0.000	97	8004641	300.0	285.9	
58 1,2-Dichloroethane	62	6.621	6.621	0.000	97	2474351	300.0	279.6	
60 Tert-amyl methyl ether	73	6.761	6.749	0.012	98	5666700	300.0	289.2	
* 61 Fluorobenzene (IS)	96	6.969	6.969	0.000	93	1141514	50.0	50.0	
62 n-Heptane	43	6.987	6.987	0.000	96	2461944	300.0	278.1	
63 n-Butanol	56	7.414	7.420	-0.006	96	1460578	3750.0	3632.7	
64 Trichloroethene	95	7.462	7.468	-0.006	98	2013128	300.0	293.1	
65 Ethyl acrylate	55	7.621	7.621	0.000	99	3423620	300.1	318.0	
66 Methylcyclohexane	83	7.773	7.773	0.000	93	3387203	300.0	301.5	
67 1,2-Dichloropropane	63	7.816	7.822	-0.006	95	2107091	300.0	289.8	
68 2-ethoxy-2-methyl butane	87	7.847	7.840	0.007	88	2624796	300.0	297.3	
69 1,4-Dioxane	88	7.926	7.926	0.000	90	319017	3750.0	3481.9	
70 Dibromomethane	93	7.932	7.926	0.006	95	1265306	300.0	293.7	
71 Methyl methacrylate	69	7.938	7.932	0.006	93	1772869	300.0	298.6	
74 Dichlorobromomethane	83	8.188	8.188	0.000	99	2517138	300.0	303.8	
75 2-Nitropropane	41	8.493	8.493	0.000	98	4651998	1500.0	1636.2	
76 2-Chloroethyl vinyl ether	63	8.590	8.590	0.000	92	1610071	300.0	338.7	
77 cis-1,3-Dichloropropene	75	8.773	8.773	0.000	94	3294084	300.0	312.9	
78 4-Methyl-2-pentanone (MIBK)	43	8.987	8.986	0.001	98	7879497	600.0	561.9	
$ 79 Toluene-d8 (Surr)	98	9.115	9.114	0.001	94	1145391	50.0	49.3	
80 Toluene	92	9.200	9.200	0.000	97	4895016	300.0	279.8	
84 trans-1,3-Dichloropropene	75	9.511	9.511	0.000	95	2957573	300.0	302.4	
85 Ethyl methacrylate	69	9.596	9.596	0.000	91	3061039	300.0	271.3	
86 1,1,2-Trichloroethane	97	9.736	9.736	0.000	91	1721771	300.0	282.1	
87 Tetrachloroethene	166	9.816	9.809	0.007	98	2058283	300.0	280.4	
88 1,3-Dichloropropane	76	9.913	9.913	0.000	95	2864661	300.0	288.5	
90 2-Hexanone	43	9.992	9.986	0.006	99	5536014	600.0	519.8	
S 97 1,3-Dichloropropene, Total	100				0			615.4	
91 Chlorodibromomethane	129	10.145	10.139	0.006	90	1996151	300.0	309.1	
96 Ethylene Dibromide	107	10.255	10.254	0.001	98	1855606	300.0	291.0	
* 98 Chlorobenzene-d5 (IS)	117	10.724	10.724	0.000	86	862205	50.0	50.0	
100 1-Chlorohexane	91	10.755	10.748	0.006	93	2457562	300.0	268.1	
99 Chlorobenzene	112	10.755	10.754	0.000	93	5316420	300.0	288.4	
128 1,1,1,2-Tetrachloroethane	131	10.846	10.846	0.000	97	1993148	300.0	285.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
129 Ethylbenzene	91	10.852	10.852	0.000	99	9897583	300.0	280.4	
130 m-Xylene & p-Xylene	106	10.980	10.980	0.000	99	7374734	600.0	559.2	
S 134 Xylenes, Total	106				0			836.1	
131 n-Butyl acrylate	55	11.297	11.297	0.000	95	4578139	299.9	271.6	
132 o-Xylene	106	11.328	11.327	0.001	98	3768406	300.0	276.8	
133 Styrene	104	11.346	11.346	0.000	96	6062957	300.0	285.9	
135 Bromoform	173	11.504	11.504	0.000	97	1567072	300.0	310.4	
136 Isopropylbenzene	105	11.651	11.651	0.000	96	8871106	300.0	282.2	
137 Cyclohexanone	55	11.724	11.724	0.000	95	1522358	3749.7	3609.6	
$ 140 4-Bromofluorobenzene (Surr)	95	11.797	11.797	0.000	92	421738	50.0	49.0	
143 Bromobenzene	156	11.913	11.913	0.000	96	2240287	300.0	301.6	
144 1,1,2,2-Tetrachloroethane	83	11.919	11.913	0.006	94	3260212	300.0	285.3	
145 trans-1,4-Dichloro-2-butene	53	11.943	11.943	0.000	89	2300582	750.0	742.1	
146 1,2,3-Trichloropropane	110	11.962	11.955	0.007	84	840622	300.0	283.7	
147 N-Propylbenzene	91	11.998	11.992	0.006	99	11212518	300.0	289.7	
148 2-Chlorotoluene	126	12.071	12.065	0.006	97	2228952	300.0	299.6	M
149 1,3,5-Trimethylbenzene	105	12.144	12.138	0.006	94	8119970	300.0	307.1	
150 4-Chlorotoluene	126	12.169	12.169	0.000	98	2139385	300.0	301.2	a
152 tert-Butylbenzene	134	12.394	12.388	0.006	94	1429347	300.0	326.7	
154 1,2,4-Trimethylbenzene	105	12.437	12.437	0.000	98	8209965	300.0	302.7	
155 sec-Butylbenzene	105	12.565	12.559	0.006	95	9952726	300.0	310.2	
156 1,3-Dichlorobenzene	146	12.657	12.656	0.001	98	4059572	300.0	294.9	a
157 4-Isopropyltoluene	119	12.681	12.675	0.006	97	8510311	300.0	312.1	a
* 158 1,4-Dichlorobenzene-d4	152	12.718	12.717	0.001	93	440676	50.0	50.0	
159 1,4-Dichlorobenzene	146	12.736	12.736	0.000	95	4051163	300.0	290.5	a
160 1,2,3-Trimethylbenzene	105	12.754	12.748	0.006	99	8408296	300.0	303.7	
164 Benzyl chloride	91	12.821	12.821	0.000	99	6238364	300.0	294.5	a
165 1,3-Diethylbenzene	119	12.888	12.882	0.006	95	4690028	300.0	305.2	a
166 p-Diethylbenzene	119	12.961	12.961	0.000	93	4961827	300.0	303.3	a
167 n-Butylbenzene	92	12.980	12.980	0.000	98	4106451	300.0	300.1	
168 1,2-Dichlorobenzene	146	13.004	13.004	0.000	98	4078748	300.0	288.6	
169 o-diethylbenzene	119	13.035	13.034	0.001	96	4048388	300.0	317.3	a
170 1,2-Dibromo-3-Chloropropane	75	13.565	13.565	0.000	85	866632	300.0	281.5	
171 1,3,5-Trichlorobenzene	180	13.693	13.693	0.000	98	2914536	300.0	294.5	
173 1,2,4-Trichlorobenzene	180	14.132	14.126	0.006	94	2759756	300.0	294.5	
175 2-Ethylhexyl acrylate	55	14.205	14.211	-0.006	82	3151866	299.8	319.5	
174 Hexachlorobutadiene	225	14.217	14.217	0.000	93	1166274	300.0	323.6	a
176 Naphthalene	128	14.315	14.315	0.000	97	10370776	300.0	278.6	
177 1,2,3-Trichlorobenzene	180	14.461	14.461	0.000	95	2705564	300.0	289.7	
178 2-Methylnaphthalene	142	15.071	15.071	0.000	92	5363688	300.0	305.4	
S 182 Total Diethylbenzene	1				0			925.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_CYC_00011	Amount Added:	30.00	Units: uL	
MSV_CCV_GASES_00961	Amount Added:	7.50	Units: uL	
MSV_CCV_VOC#3_00225	Amount Added:	12.00	Units: uL	
MSV_CCV_2CEVE_00216	Amount Added:	15.00	Units: uL	
MSV_CCV_EE_00008	Amount Added:	15.00	Units: uL	
MSV_CCV_VOC#1_00224	Amount Added:	15.00	Units: uL	
MSV_CCV_OH_Sp_00019	Amount Added:	15.00	Units: uL	
MSV_Cent_ISSS_00034	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 27-Feb-2025 12:27:59 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X17.D

Injection Date: 24-Feb-2025 21:09:30 Instrument ID: 26285 Operator ID: knk41612

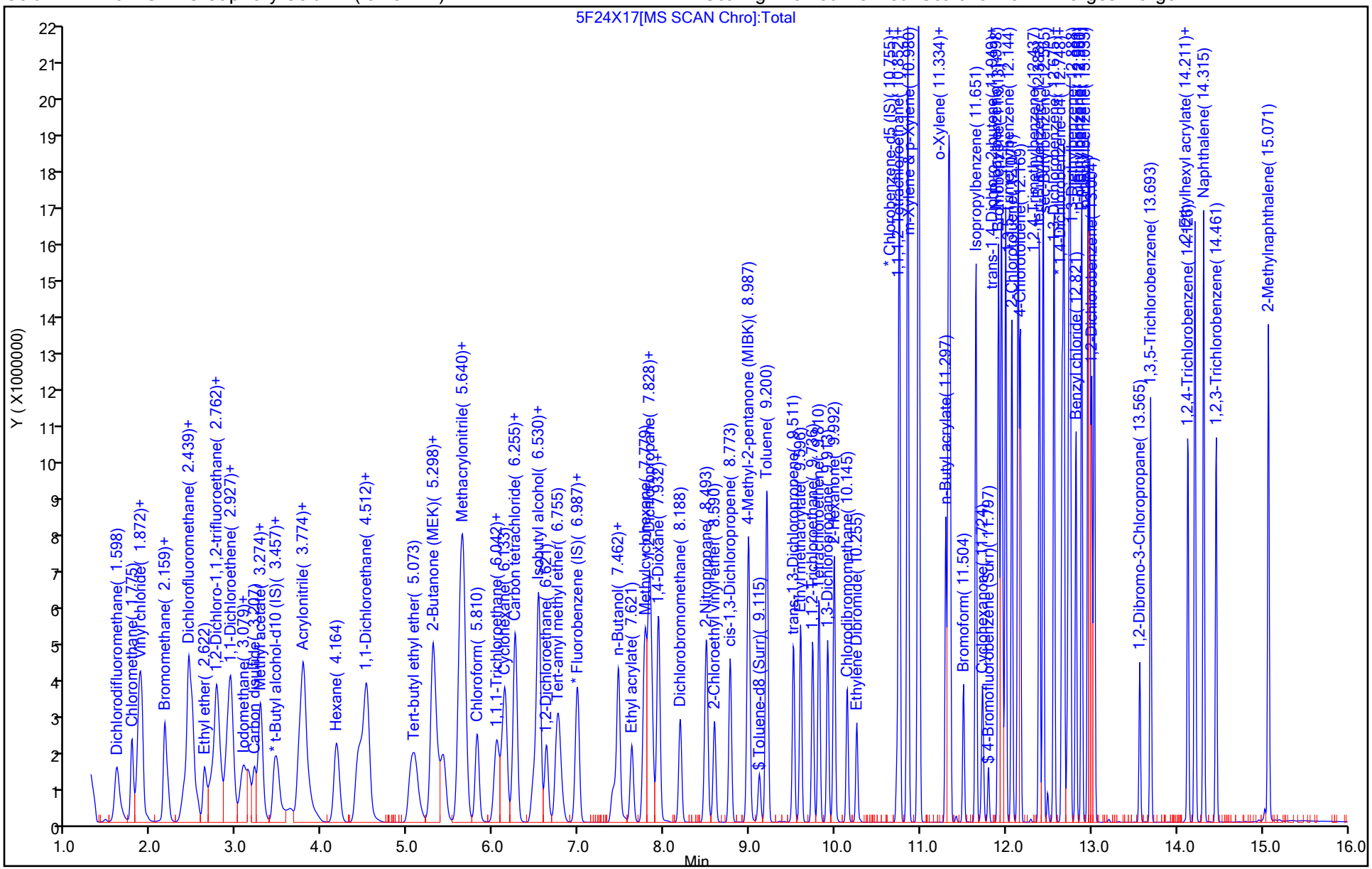
Lims ID: IC v300 Worklist Smp#: 18

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 17

Method: MSVoa_26285a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

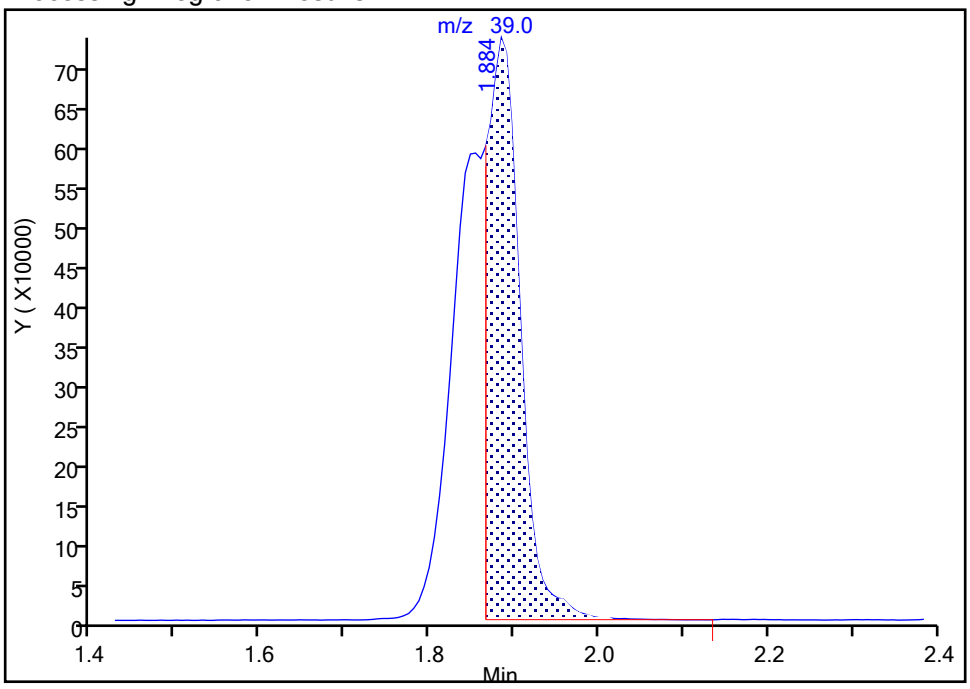
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X17.D
Injection Date: 24-Feb-2025 21:09:30 Instrument ID: 26285
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

6 Butadiene, CAS: 106-99-0

Signal: 1

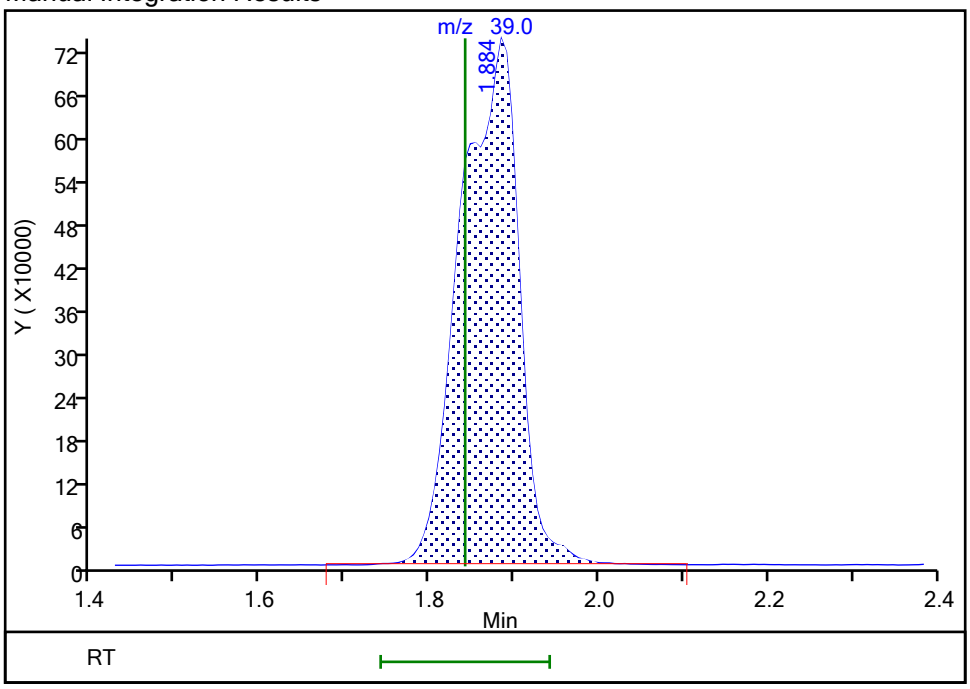
Processing Integration Results

RT: 1.88
Area: 1998563
Amount: 276.4735
Amount Units: ug/l



Manual Integration Results

RT: 1.88
Area: 3521633
Amount: 256.1907
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 07:05:20 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

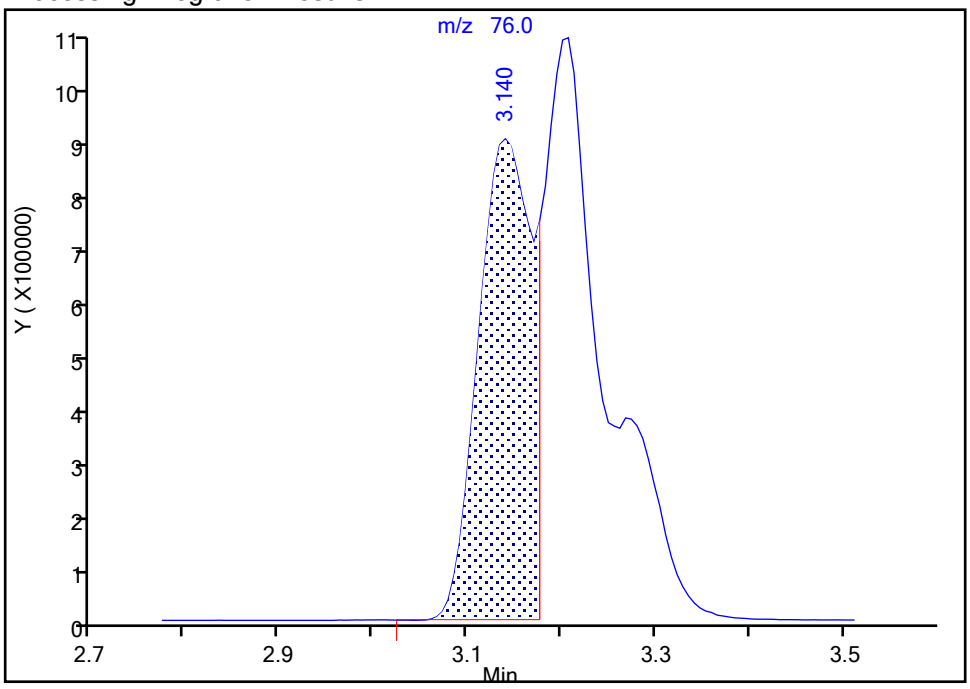
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X17.D
Injection Date: 24-Feb-2025 21:09:30 Instrument ID: 26285
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

22 Carbon disulfide, CAS: 75-15-0

Signal: 1

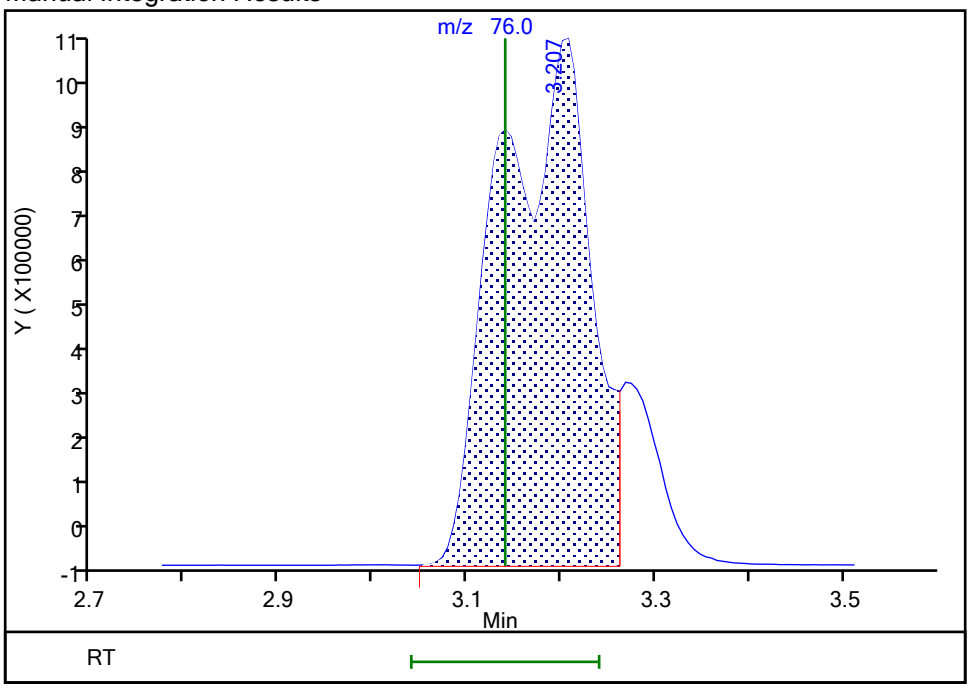
Processing Integration Results

RT: 3.14
Area: 3517109
Amount: 147.7233
Amount Units: ug/l



Manual Integration Results

RT: 3.21
Area: 7059809
Amount: 297.0134
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 12:02:24 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

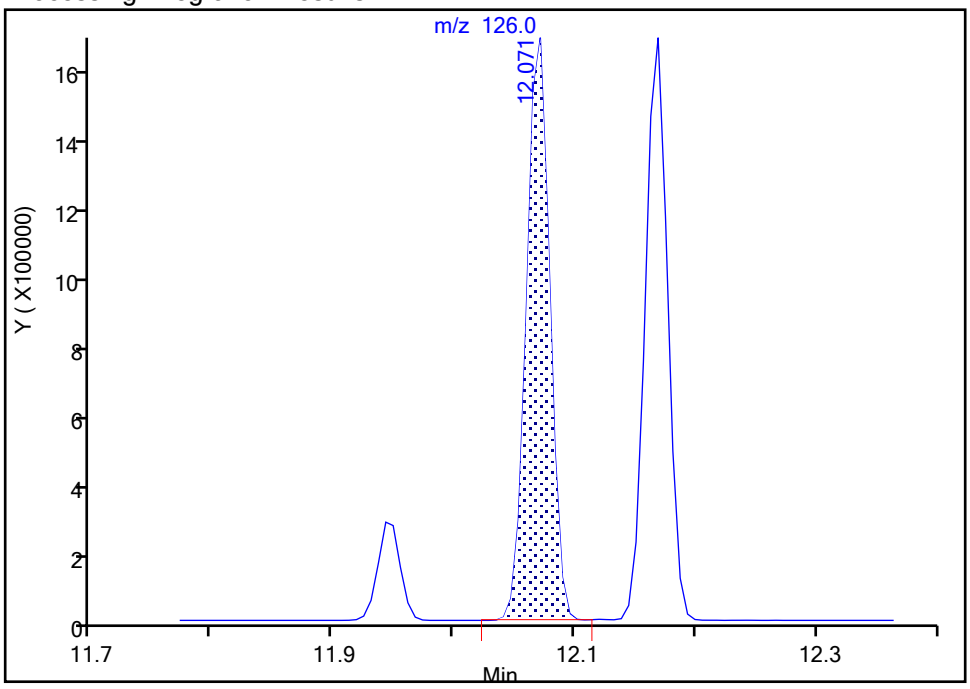
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X17.D
Injection Date: 24-Feb-2025 21:09:30 Instrument ID: 26285
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

148 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

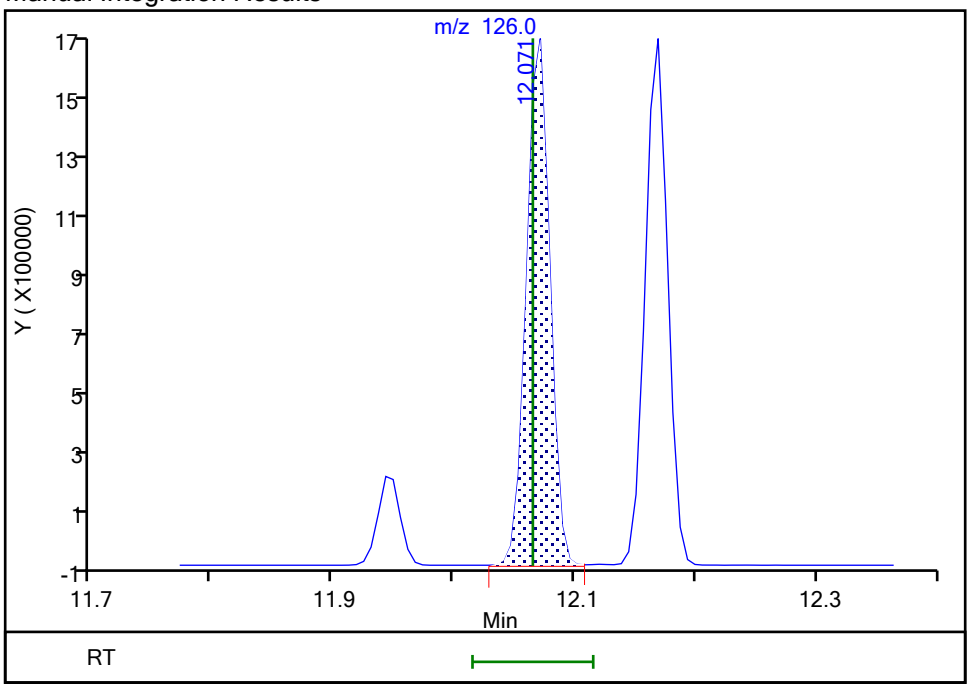
Processing Integration Results

RT: 12.07
Area: 2224000
Amount: 298.9926
Amount Units: ug/l



Manual Integration Results

RT: 12.07
Area: 2228952
Amount: 299.5634
Amount Units: ug/l



Reviewer: UCB5, 27-Feb-2025 12:00:15 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

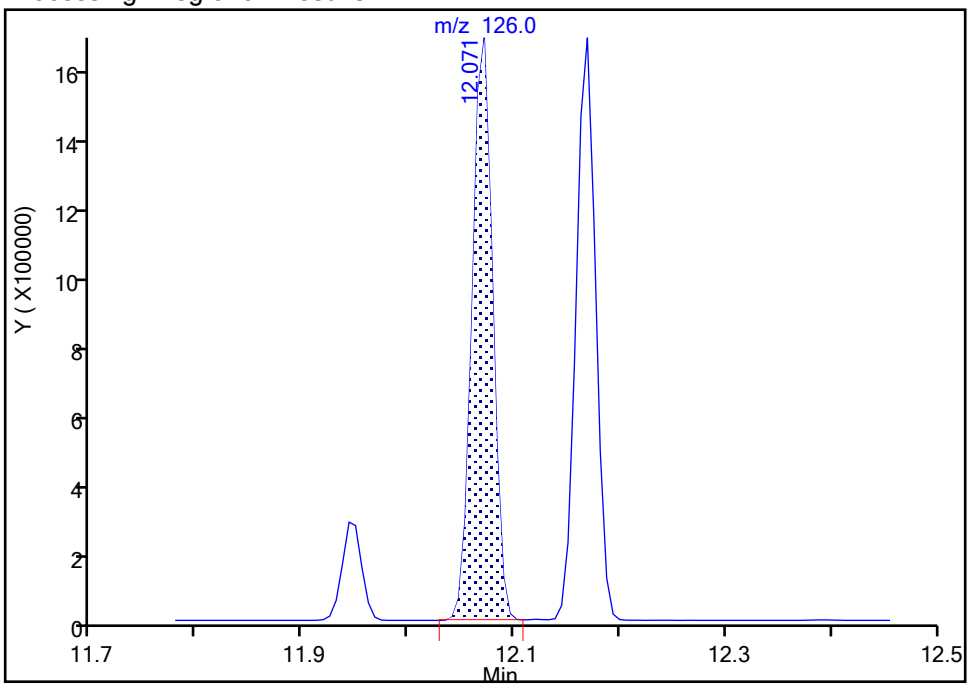
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X17.D
Injection Date: 24-Feb-2025 21:09:30 Instrument ID: 26285
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

150 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

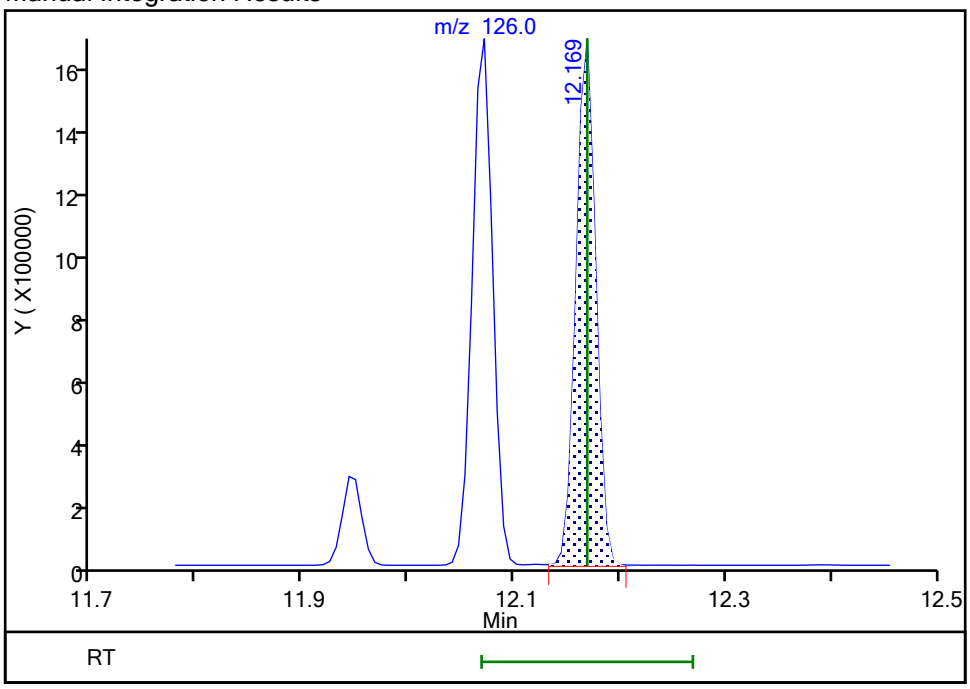
Processing Integration Results

RT: 12.07
Area: 2228721
Amount: 305.0286
Amount Units: ug/l



Manual Integration Results

RT: 12.17
Area: 2139385
Amount: 301.2016
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 07:03:45 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

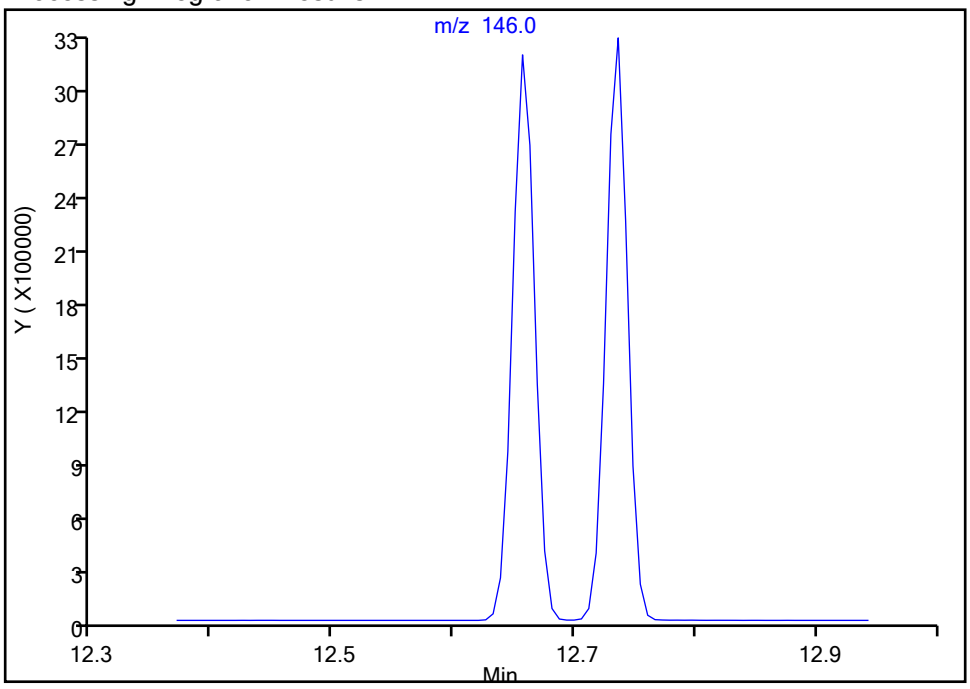
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X17.D
Injection Date: 24-Feb-2025 21:09:30 Instrument ID: 26285
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

156 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

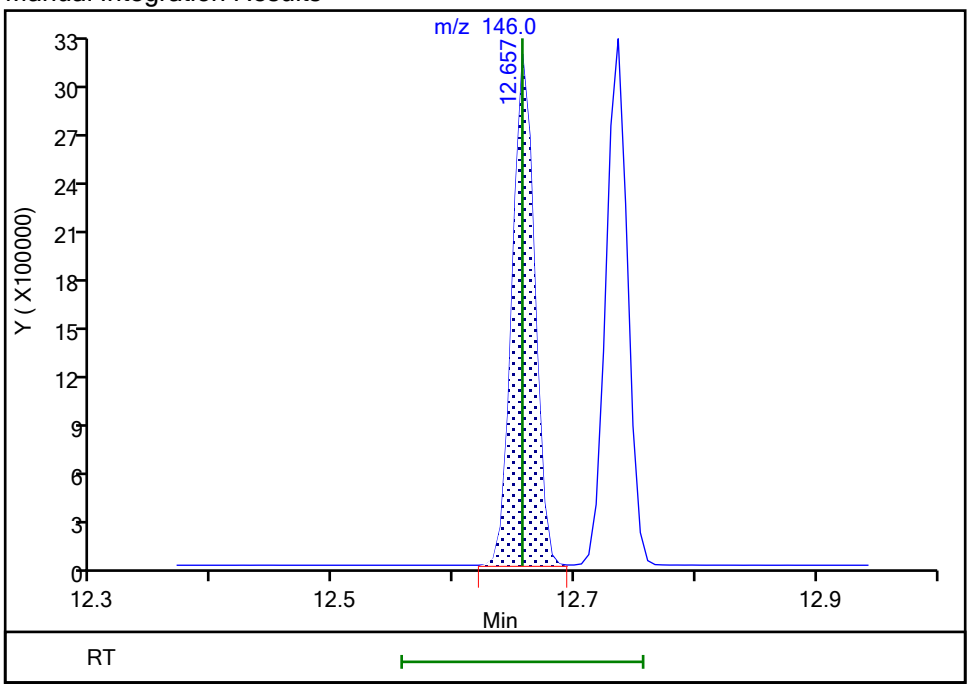
Not Detected
Expected RT: 12.66

Processing Integration Results



Manual Integration Results

RT: 12.66
Area: 4059572
Amount: 294.8724
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 07:04:05 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

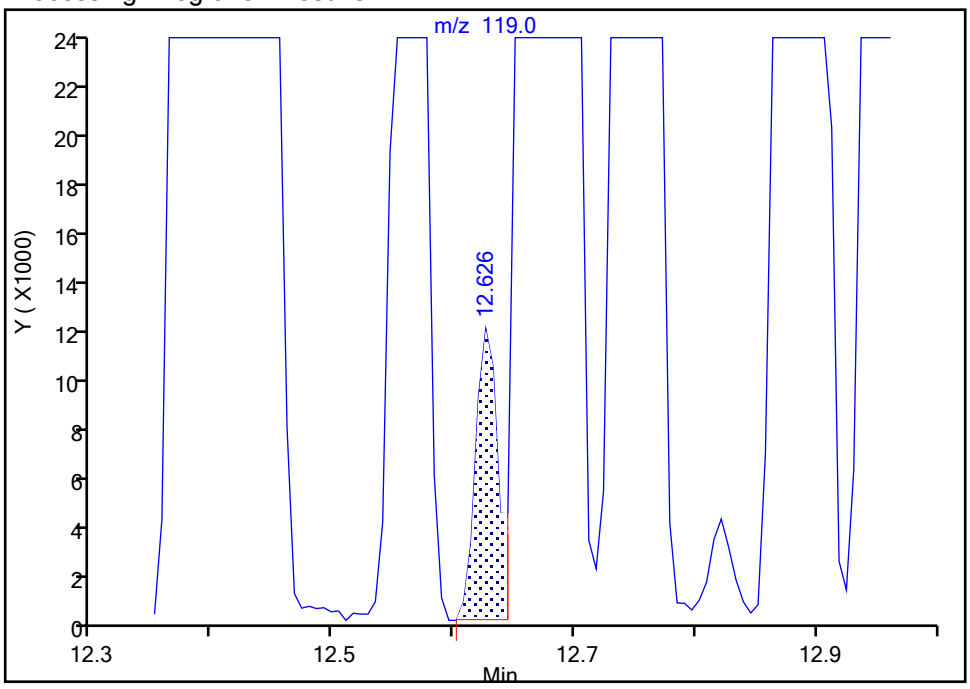
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X17.D
Injection Date: 24-Feb-2025 21:09:30 Instrument ID: 26285
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

157 4-Isopropyltoluene, CAS: 99-87-6

Signal: 1

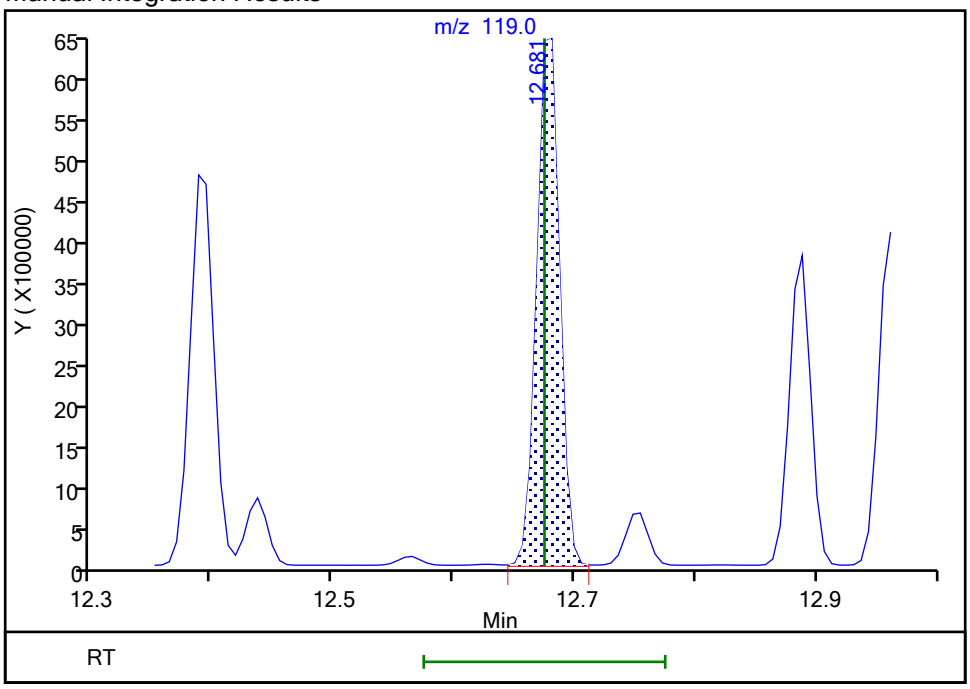
Processing Integration Results

RT: 12.63
Area: 15879
Amount: 0.683752
Amount Units: ug/l



Manual Integration Results

RT: 12.68
Area: 8510311
Amount: 312.0953
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 07:04:24 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

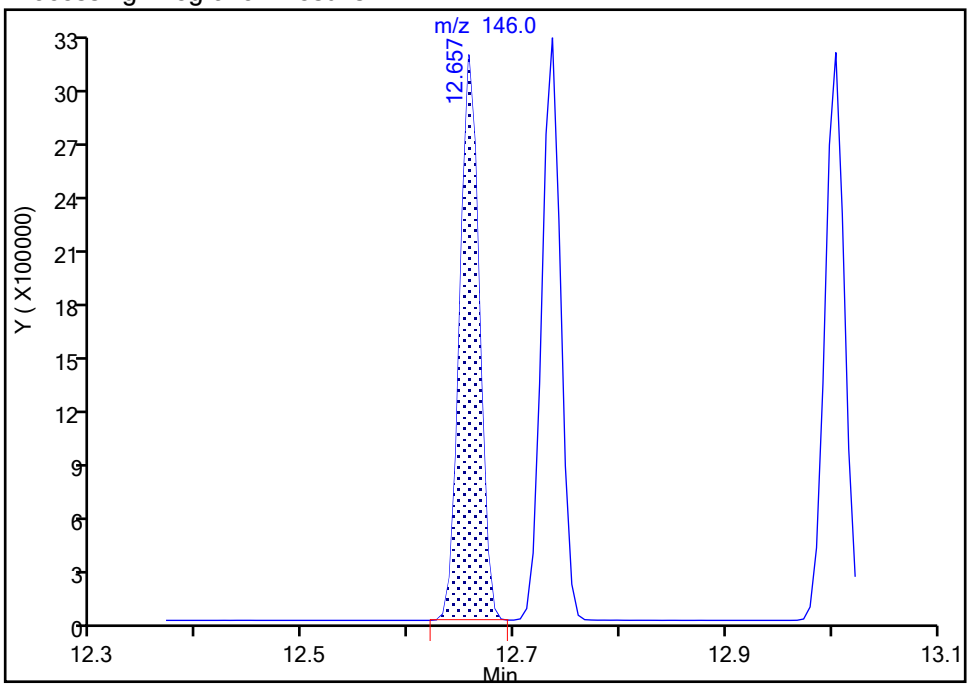
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X17.D
Injection Date: 24-Feb-2025 21:09:30 Instrument ID: 26285
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

159 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

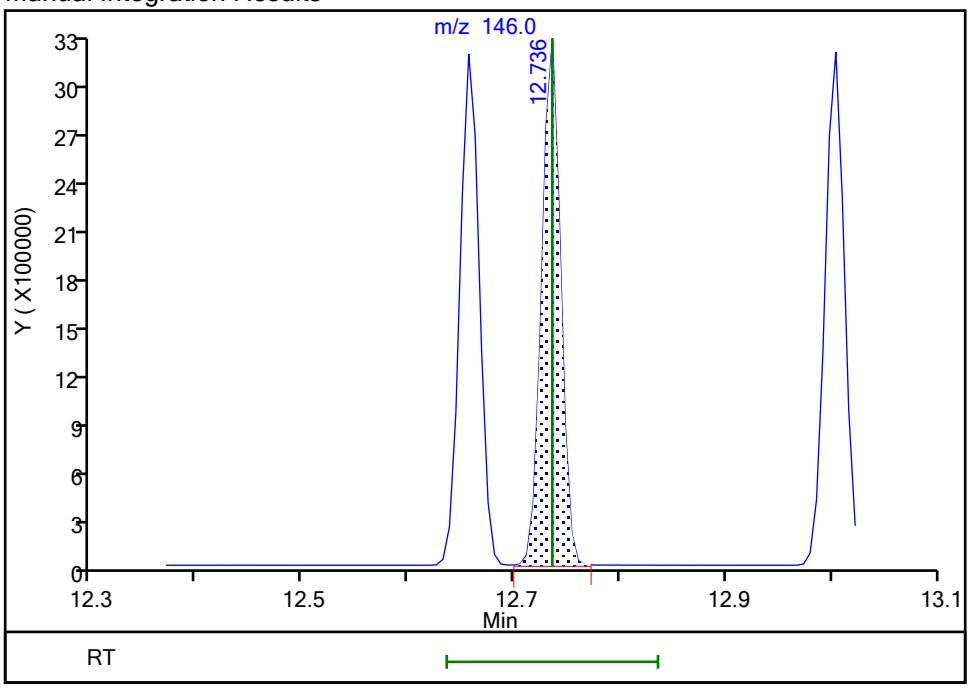
Processing Integration Results

RT: 12.66
Area: 4059572
Amount: 291.0489
Amount Units: ug/l



Manual Integration Results

RT: 12.74
Area: 4051163
Amount: 290.5295
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 07:04:32 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

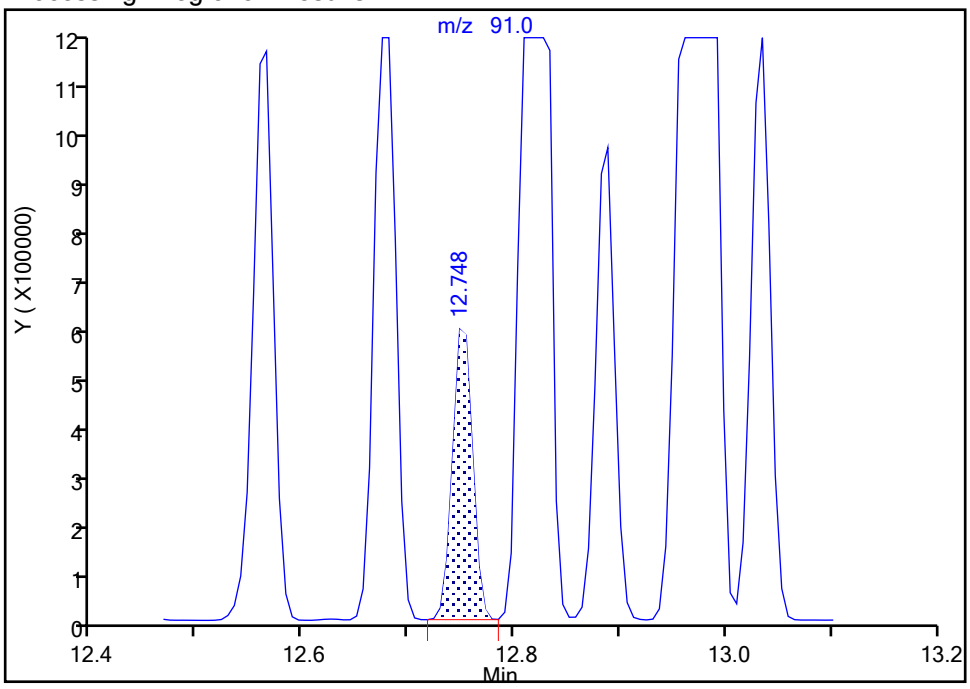
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X17.D
Injection Date: 24-Feb-2025 21:09:30 Instrument ID: 26285
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

164 Benzyl chloride, CAS: 100-44-7

Signal: 1

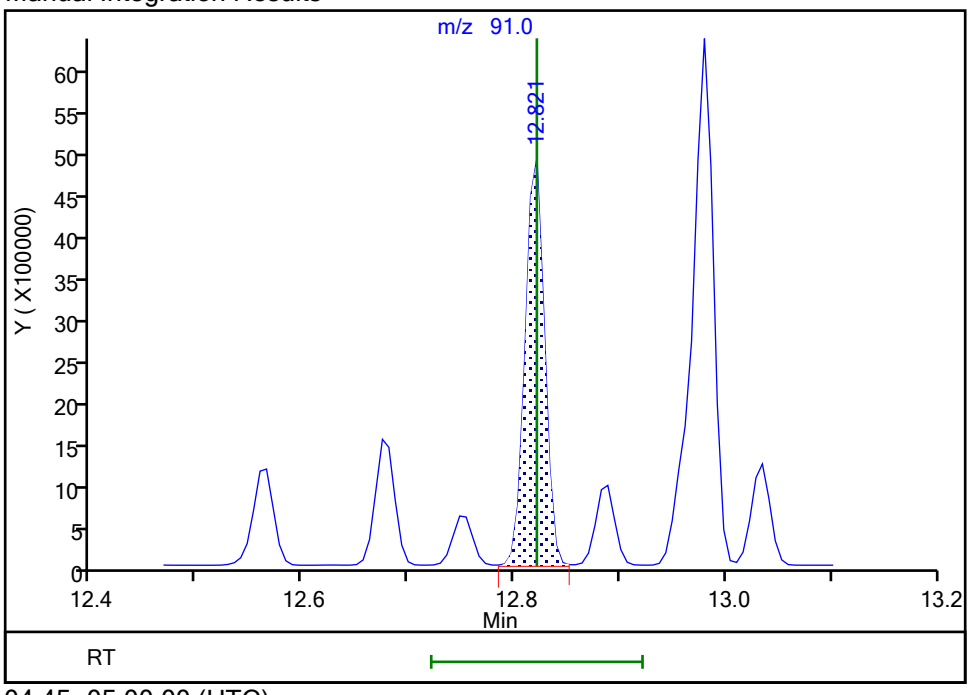
Processing Integration Results

RT: 12.75
Area: 788726
Amount: 42.424284
Amount Units: ug/l



Manual Integration Results

RT: 12.82
Area: 6238364
Amount: 294.4507
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 07:04:45 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

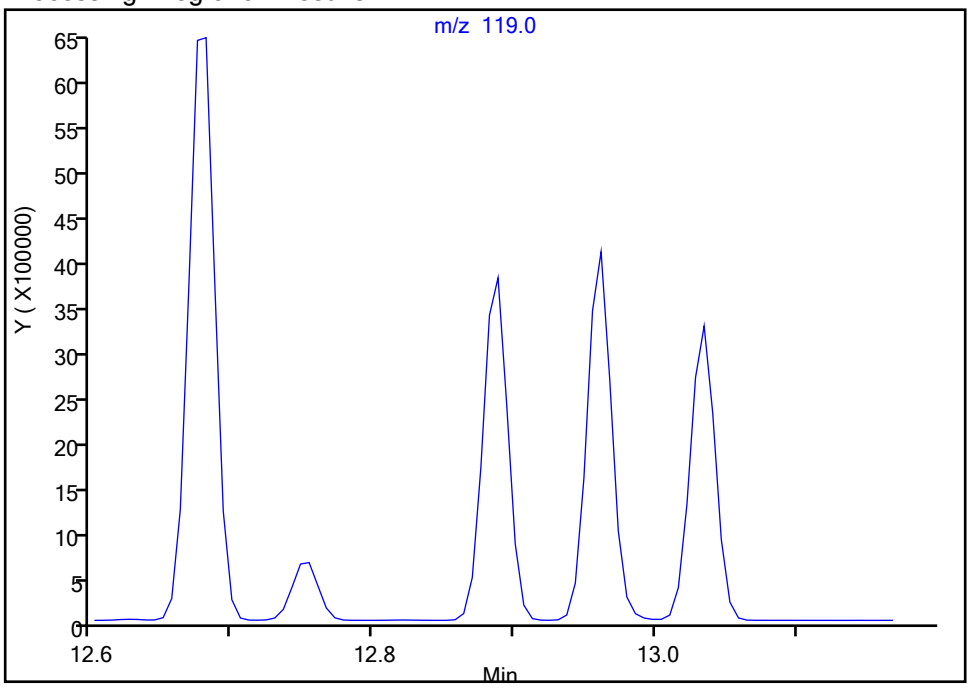
Data File:	\\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X17.D				
Injection Date:	24-Feb-2025 21:09:30	Instrument ID:	26285		
Lims ID:	IC v300				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

165 1,3-Diethylbenzene, CAS: 141-93-5

Signal: 1

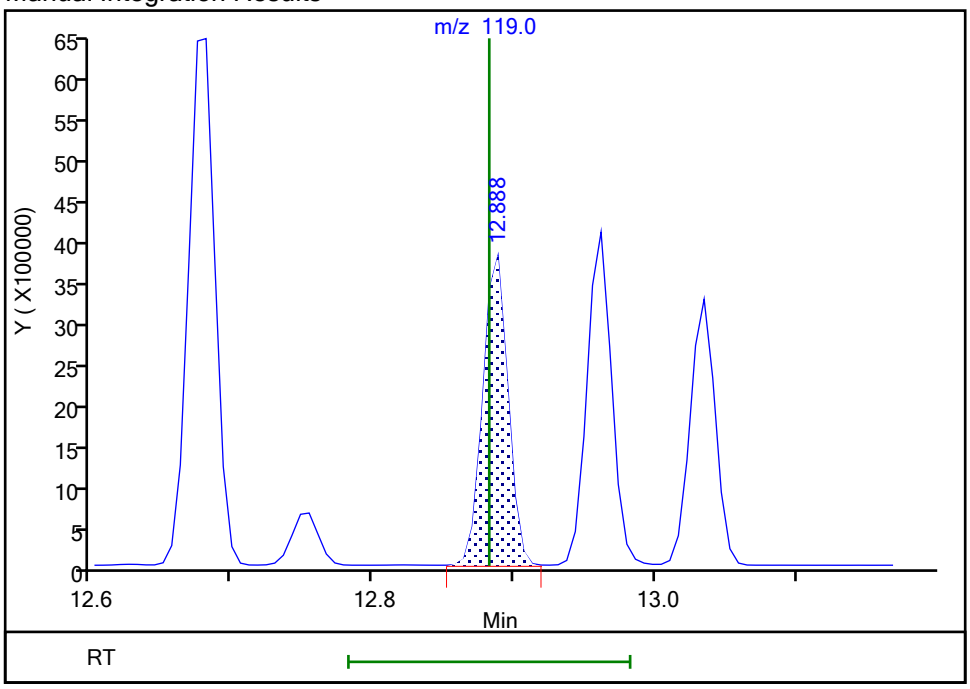
Not Detected
Expected RT: 12.88

Processing Integration Results



Manual Integration Results

RT: 12.89
Area: 4690028
Amount: 305.1615
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 07:04:51 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

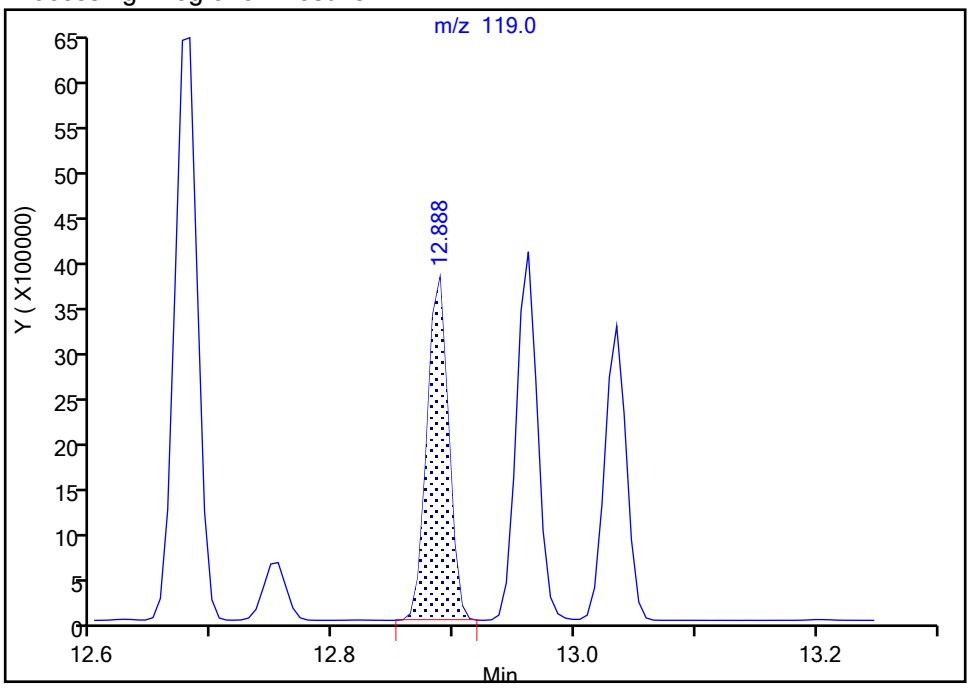
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X17.D
Injection Date: 24-Feb-2025 21:09:30 Instrument ID: 26285
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

166 p-Diethylbenzene, CAS: 105-05-5

Signal: 1

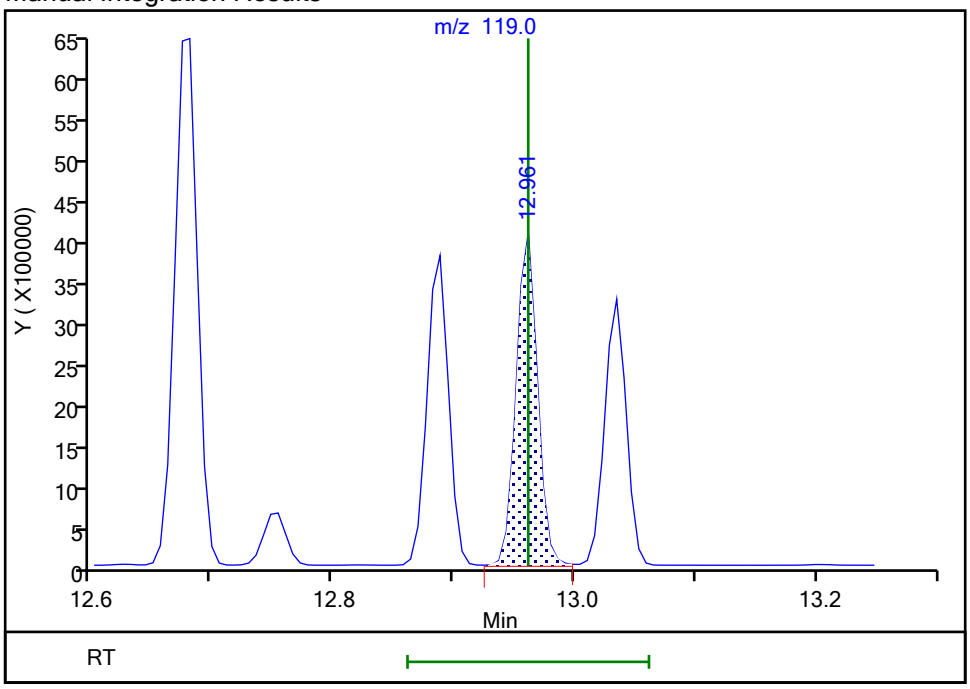
Processing Integration Results

RT: 12.89
Area: 4690028
Amount: 289.0138
Amount Units: ug/l



Manual Integration Results

RT: 12.96
Area: 4961827
Amount: 303.3435
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 07:04:56 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

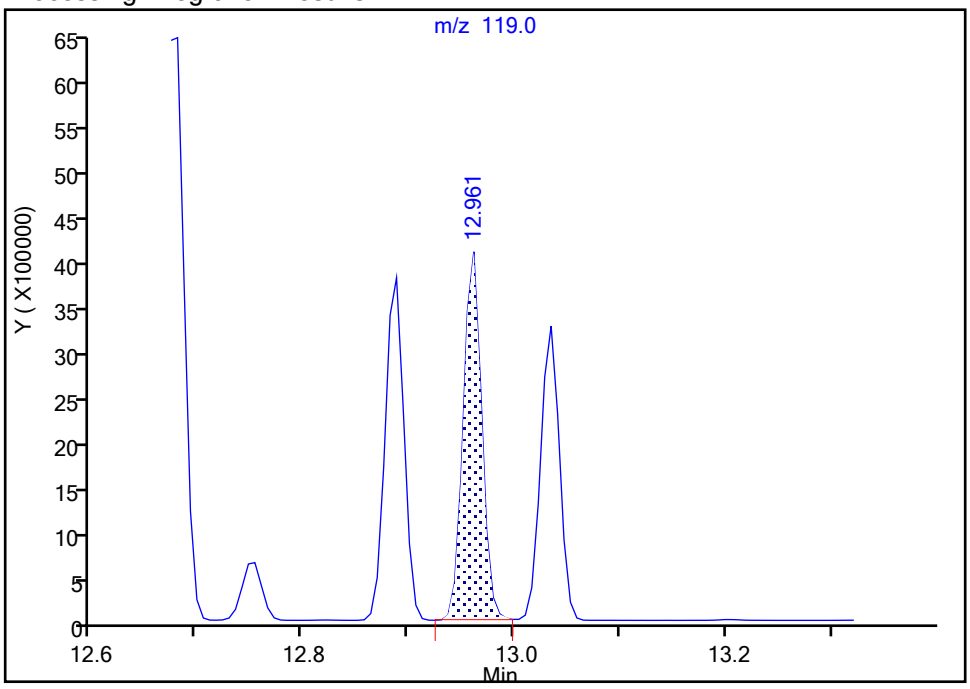
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X17.D
Injection Date: 24-Feb-2025 21:09:30 Instrument ID: 26285
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

169 o-diethylbenzene, CAS: 135-01-3

Signal: 1

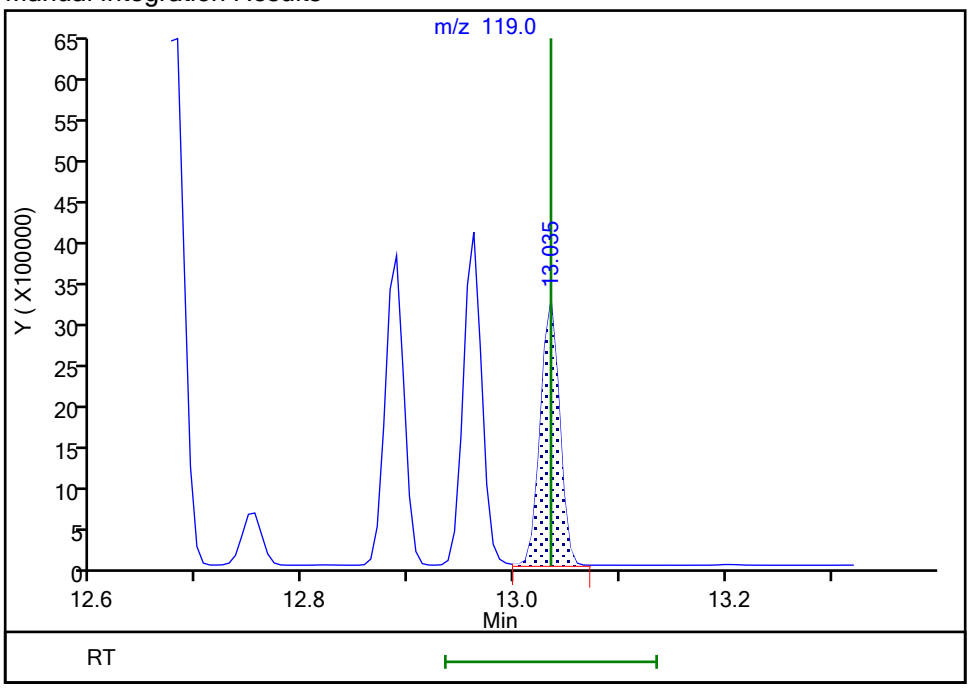
Processing Integration Results

RT: 12.96
Area: 4961827
Amount: 376.0495
Amount Units: ug/l



Manual Integration Results

RT: 13.03
Area: 4048388
Amount: 317.2807
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 07:05:03 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

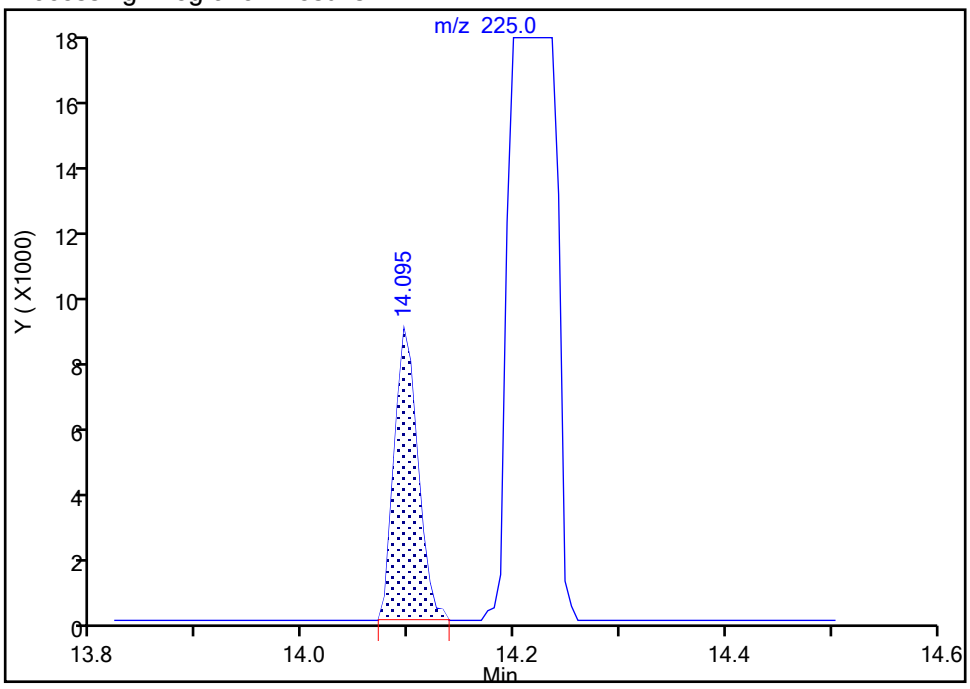
Data File: \\chromfs\Lancaster\ChromData\26285\20250224-138970.b\5F24X17.D
Injection Date: 24-Feb-2025 21:09:30 Instrument ID: 26285
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

174 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

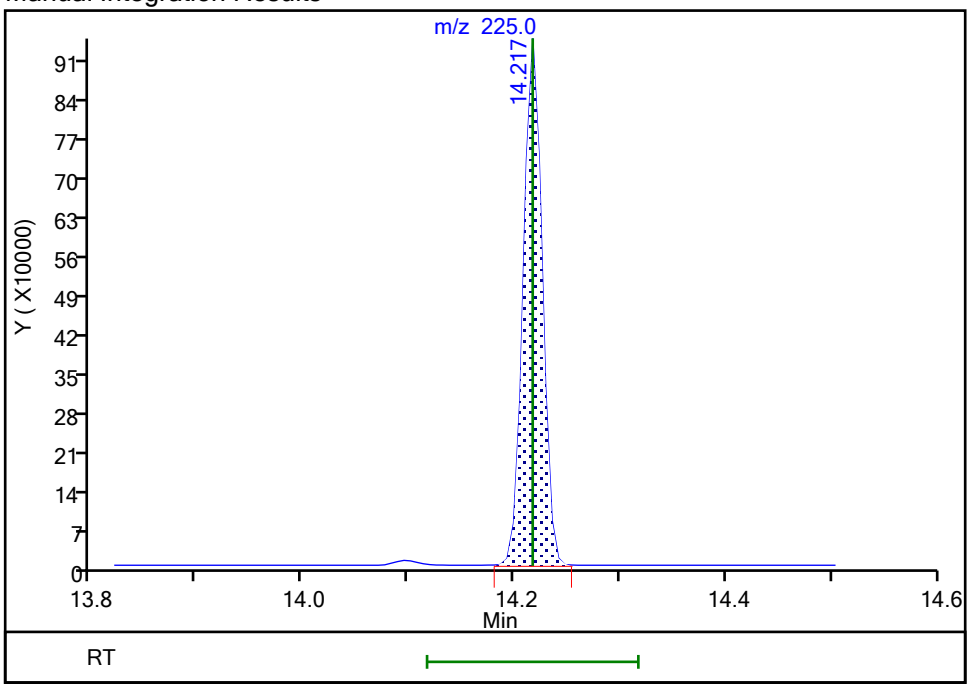
Processing Integration Results

RT: 14.10
Area: 13529
Amount: 4.427596
Amount Units: ug/l



Manual Integration Results

RT: 14.22
Area: 1166274
Amount: 323.5574
Amount Units: ug/l



Reviewer: TQ4J, 25-Feb-2025 07:15:17 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

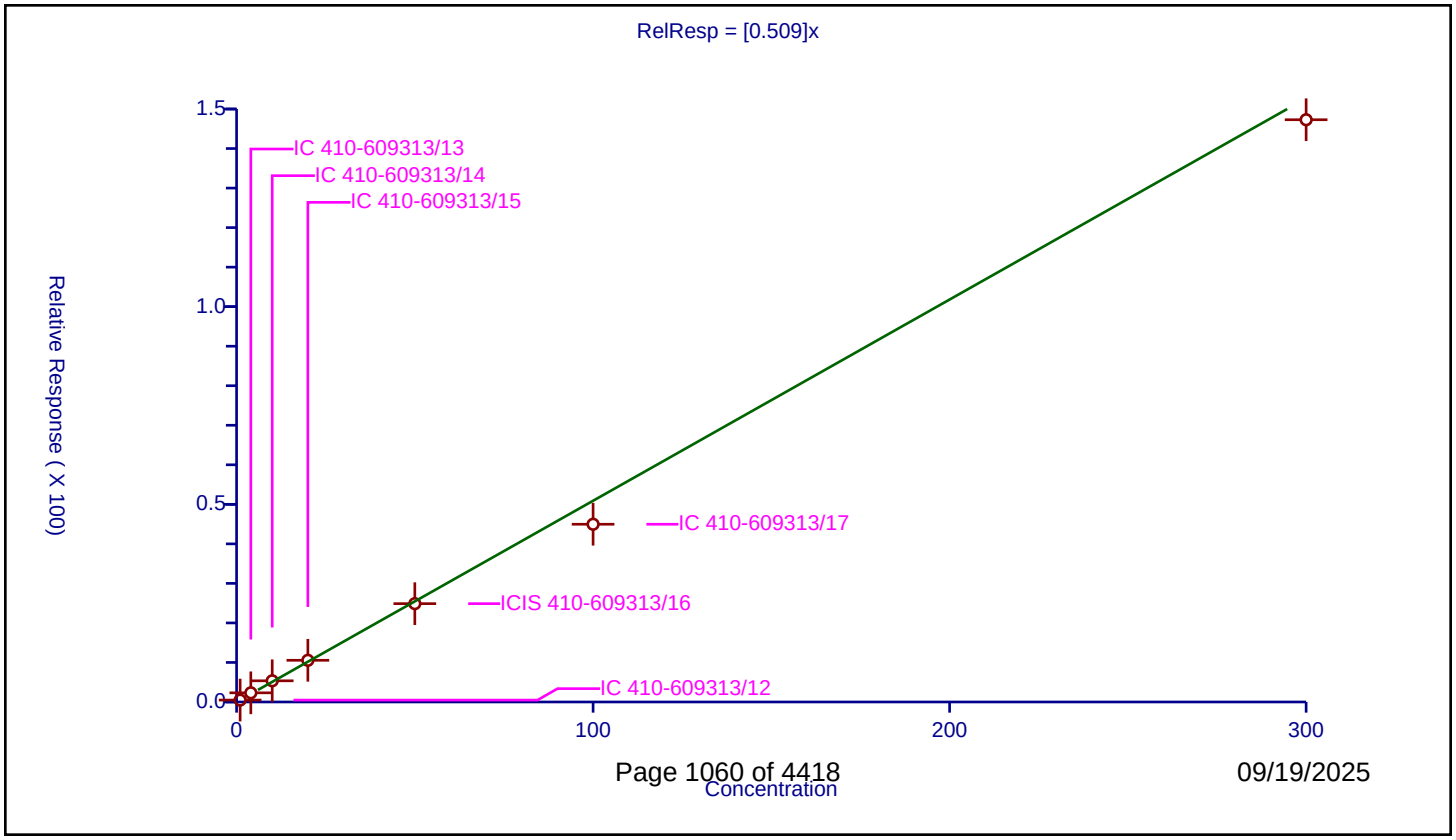
Curve Coefficients

Intercept:	0
Slope:	0.509

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.482074	50.0	1046208.0	0.482074	Y
2	IC 410-609313/13	4.0	2.319095	50.0	1027017.0	0.579774	Y
3	IC 410-609313/14	10.0	5.359577	50.0	1053460.0	0.535958	Y
4	IC 410-609313/15	20.0	10.545001	50.0	1072731.0	0.52725	Y
5	ICIS 410-609313/16	50.0	24.872177	50.0	1079817.0	0.497444	Y
6	IC 410-609313/17	100.0	44.961767	50.0	1128610.0	0.449618	Y
7	IC 410-609313/18	300.0	147.290222	50.0	1141514.0	0.490967	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

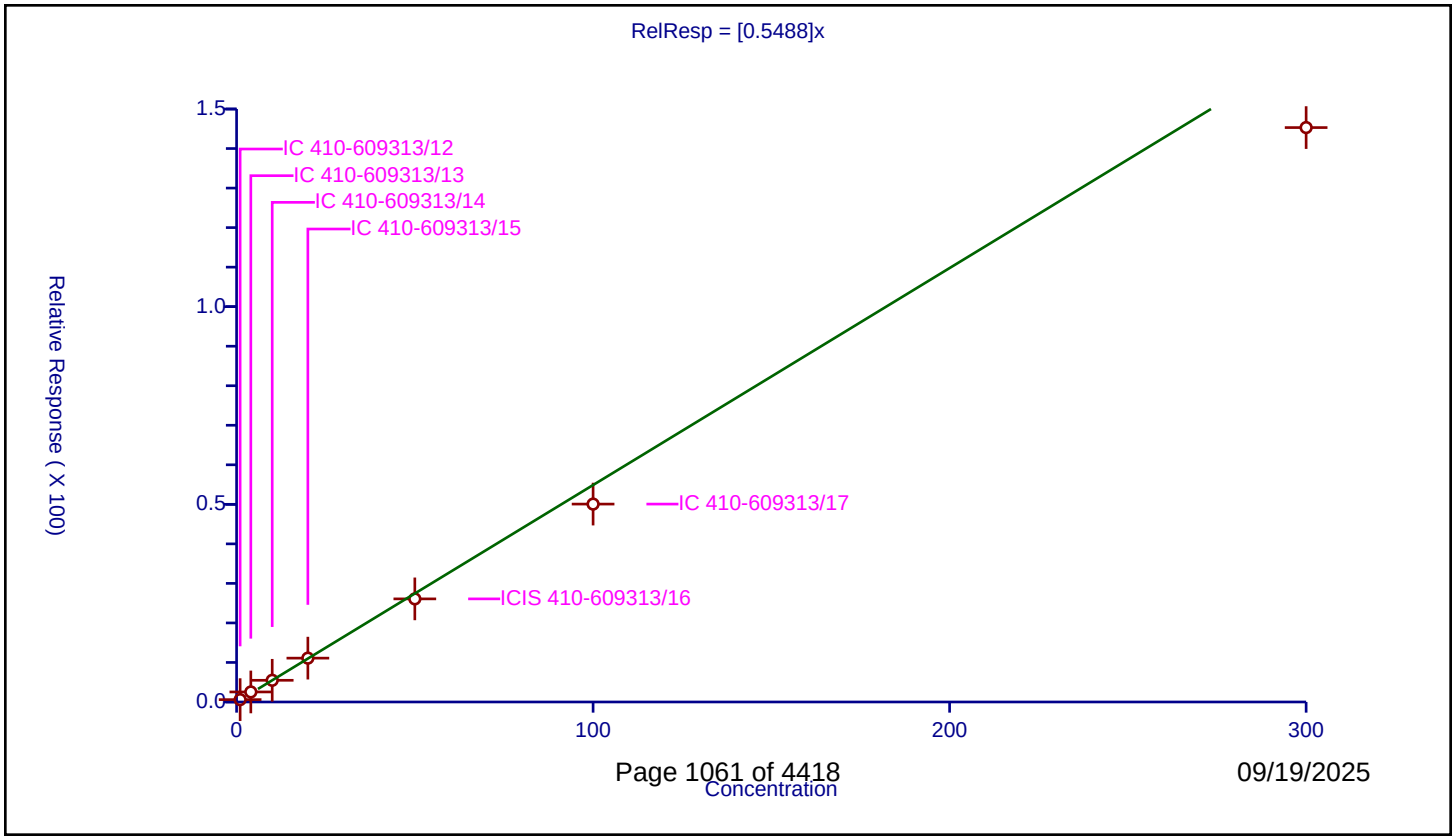
Curve Coefficients

Intercept:	0
Slope:	0.5488

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.596488	50.0	1046208.0	0.596488	Y
2	IC 410-609313/13	4.0	2.539929	50.0	1027017.0	0.634982	Y
3	IC 410-609313/14	10.0	5.489435	50.0	1053460.0	0.548943	Y
4	IC 410-609313/15	20.0	11.095885	50.0	1072731.0	0.554794	Y
5	ICIS 410-609313/16	50.0	26.079512	50.0	1079817.0	0.52159	Y
6	IC 410-609313/17	100.0	50.060871	50.0	1128610.0	0.500609	Y
7	IC 410-609313/18	300.0	145.306934	50.0	1141514.0	0.484356	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

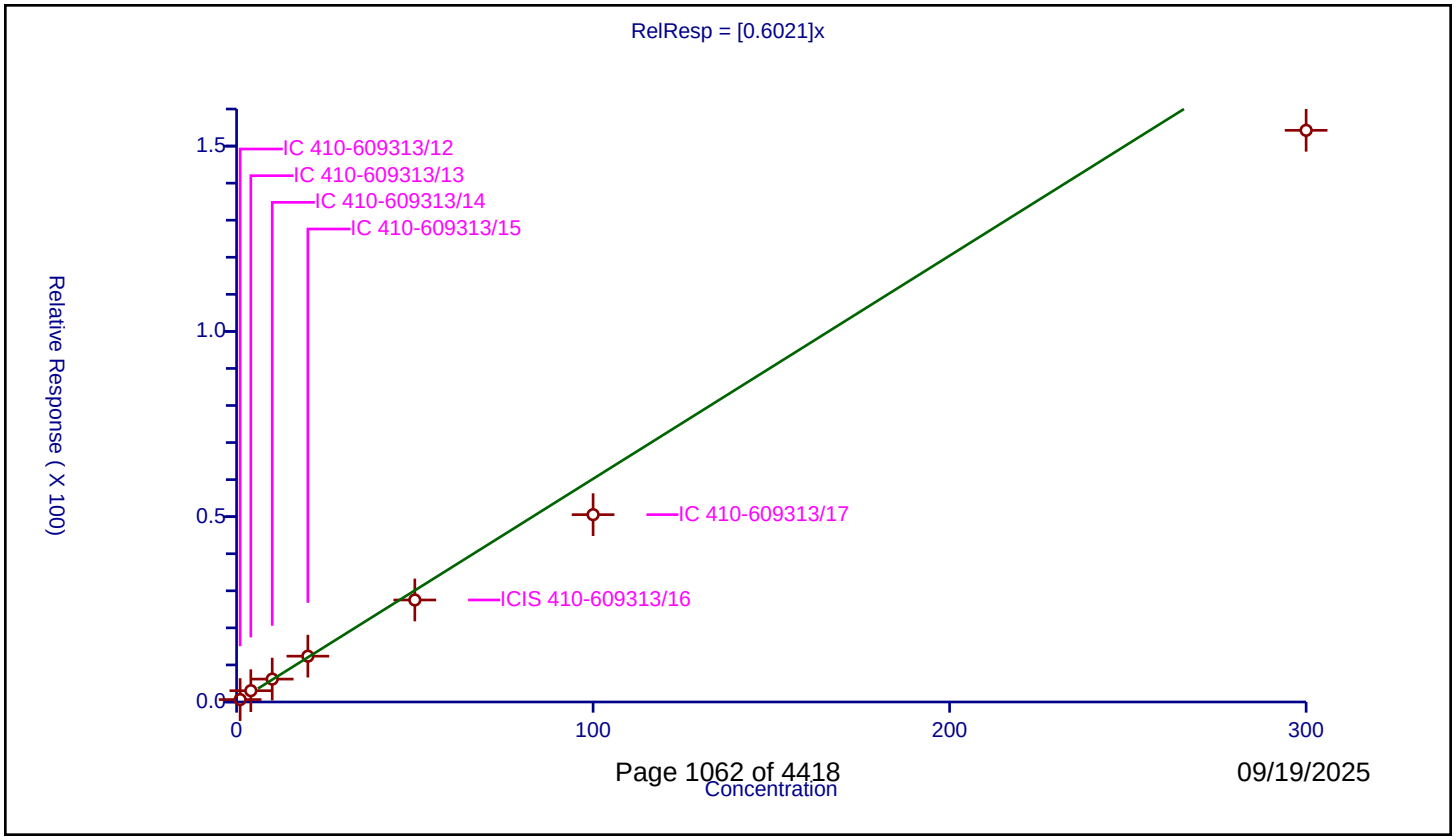
Curve Coefficients

Intercept:	0
Slope:	0.6021

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.647672	50.0	1046208.0	0.647672	Y
2	IC 410-609313/13	4.0	3.044594	50.0	1027017.0	0.761149	Y
3	IC 410-609313/14	10.0	6.176219	50.0	1053460.0	0.617622	Y
4	IC 410-609313/15	20.0	12.362559	50.0	1072731.0	0.618128	Y
5	ICIS 410-609313/16	50.0	27.523738	50.0	1079817.0	0.550475	Y
6	IC 410-609313/17	100.0	50.548772	50.0	1128610.0	0.505488	Y
7	IC 410-609313/18	300.0	154.252729	50.0	1141514.0	0.514176	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

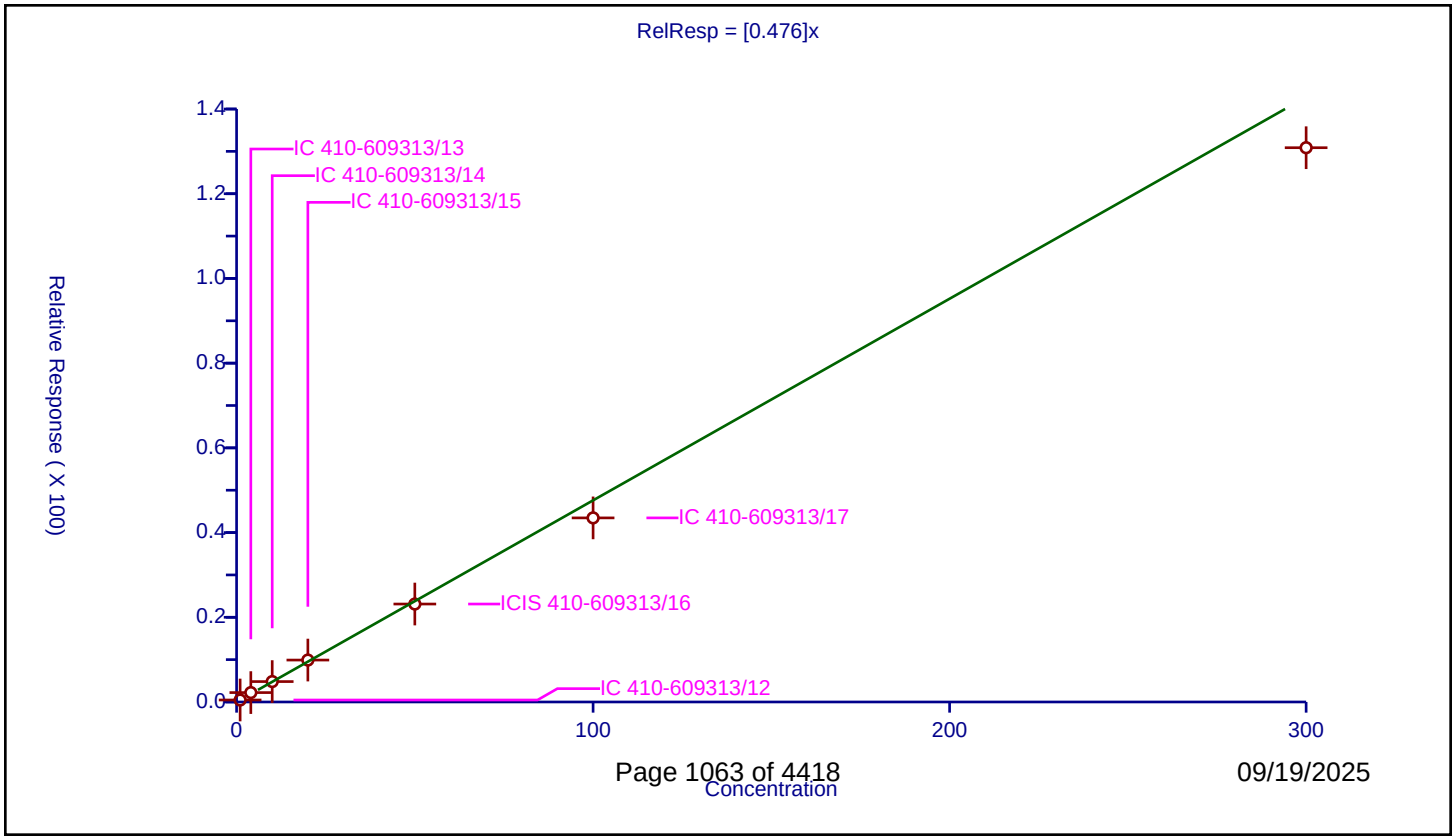
Curve Coefficients

Intercept:	0
Slope:	0.476

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.466351	50.0	1046208.0	0.466351	Y
2	IC 410-609313/13	4.0	2.220947	50.0	1027017.0	0.555237	Y
3	IC 410-609313/14	10.0	4.821588	50.0	1053460.0	0.482159	Y
4	IC 410-609313/15	20.0	9.901597	50.0	1072731.0	0.49508	Y
5	ICIS 410-609313/16	50.0	23.126095	50.0	1079817.0	0.462522	Y
6	IC 410-609313/17	100.0	43.464749	50.0	1128610.0	0.434647	Y
7	IC 410-609313/18	300.0	130.865368	50.0	1141514.0	0.436218	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

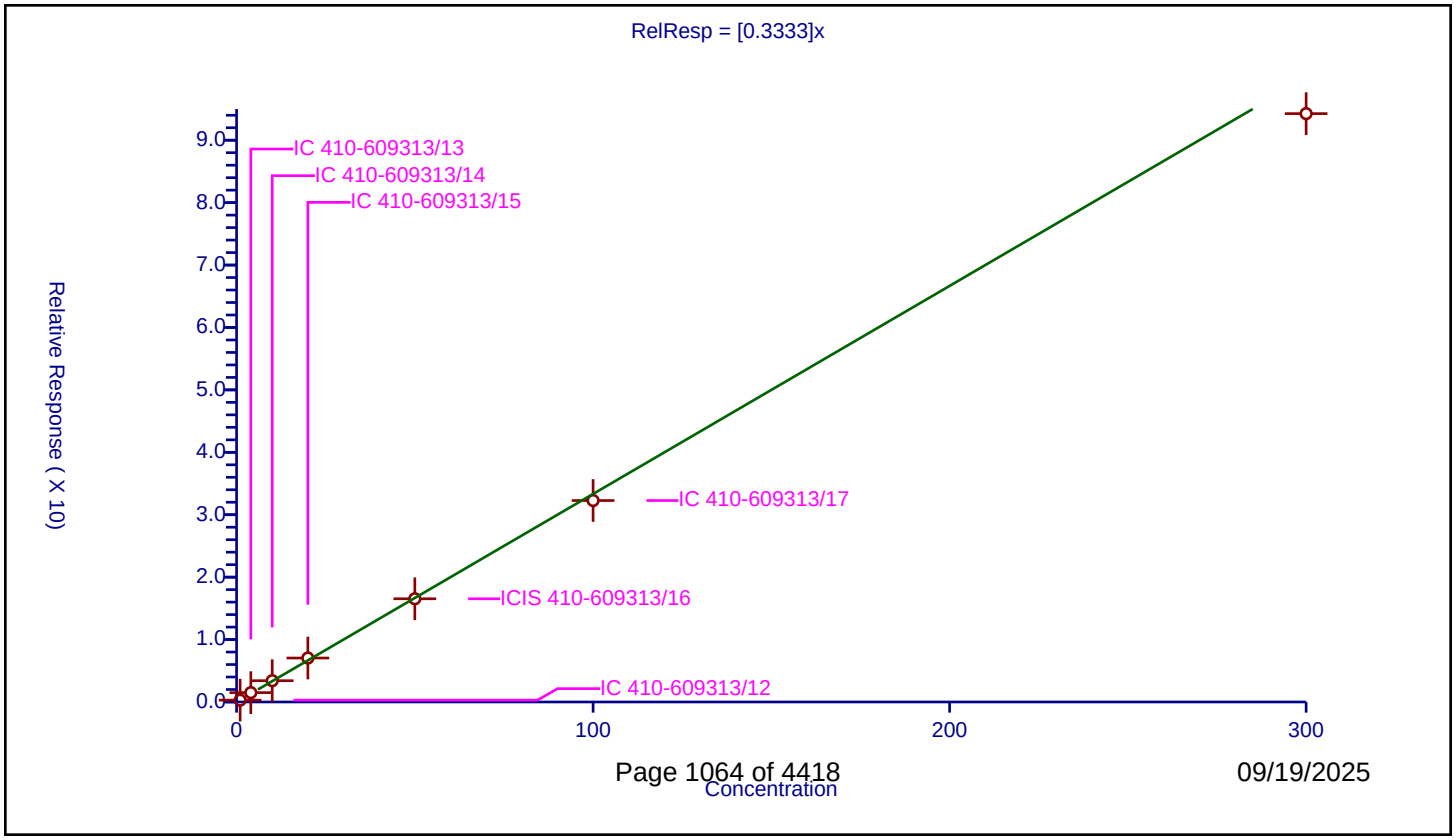
Curve Coefficients

Intercept:	0
Slope:	0.3333

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.297407	50.0	1046208.0	0.297407	Y
2	IC 410-609313/13	4.0	1.499391	50.0	1027017.0	0.374848	Y
3	IC 410-609313/14	10.0	3.410523	50.0	1053460.0	0.341052	Y
4	IC 410-609313/15	20.0	7.042492	50.0	1072731.0	0.352125	Y
5	ICIS 410-609313/16	50.0	16.534792	50.0	1079817.0	0.330696	Y
6	IC 410-609313/17	100.0	32.276251	50.0	1128610.0	0.322763	Y
7	IC 410-609313/18	300.0	94.260298	50.0	1141514.0	0.314201	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

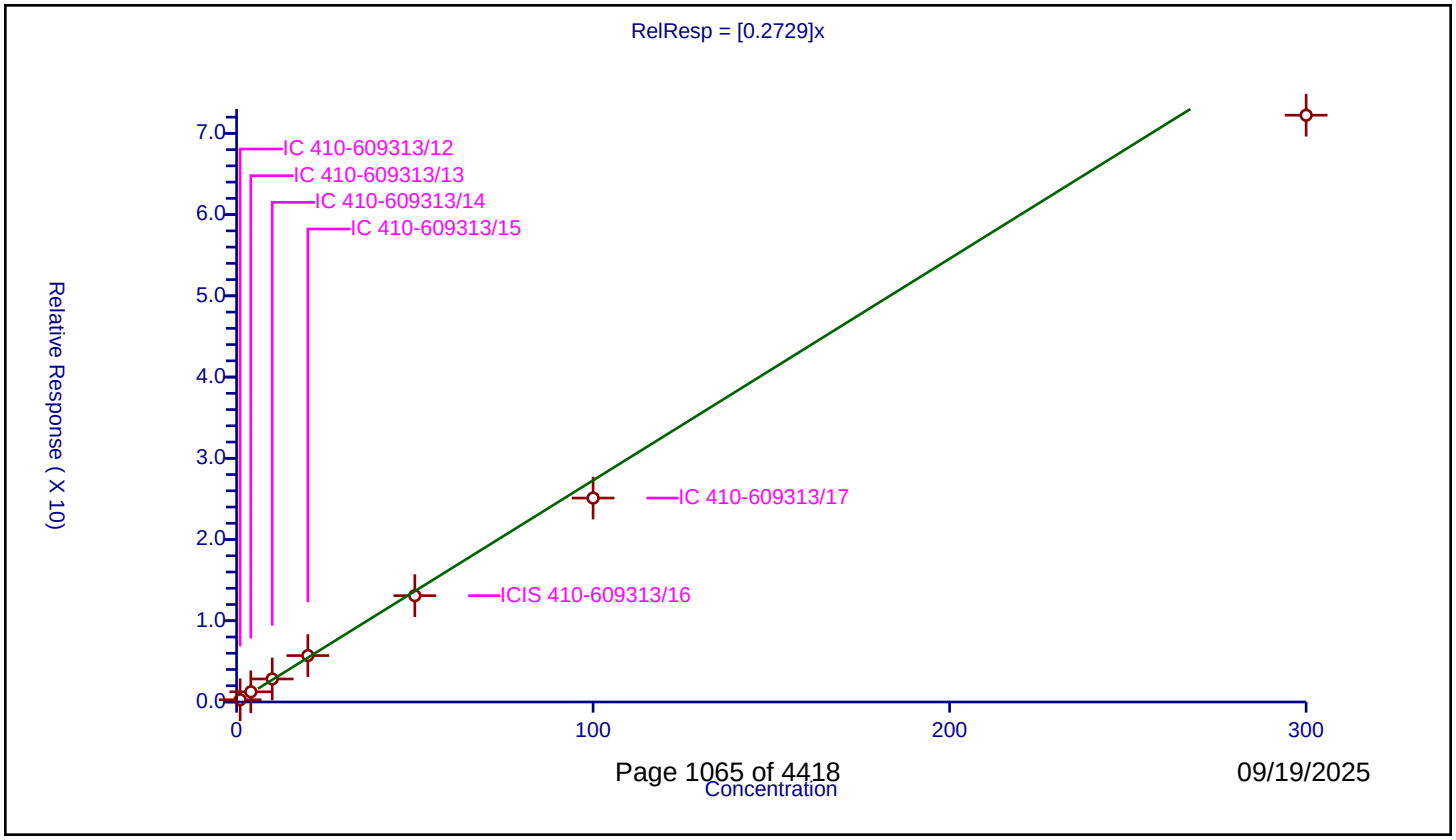
Curve Coefficients

Intercept:	0
Slope:	0.2729

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.274228	50.0	1046208.0	0.274228	Y
2	IC 410-609313/13	4.0	1.251342	50.0	1027017.0	0.312836	Y
3	IC 410-609313/14	10.0	2.836273	50.0	1053460.0	0.283627	Y
4	IC 410-609313/15	20.0	5.714014	50.0	1072731.0	0.285701	Y
5	ICIS 410-609313/16	50.0	13.090783	50.0	1079817.0	0.261816	Y
6	IC 410-609313/17	100.0	25.105085	50.0	1128610.0	0.251051	Y
7	IC 410-609313/18	300.0	72.239105	50.0	1141514.0	0.240797	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

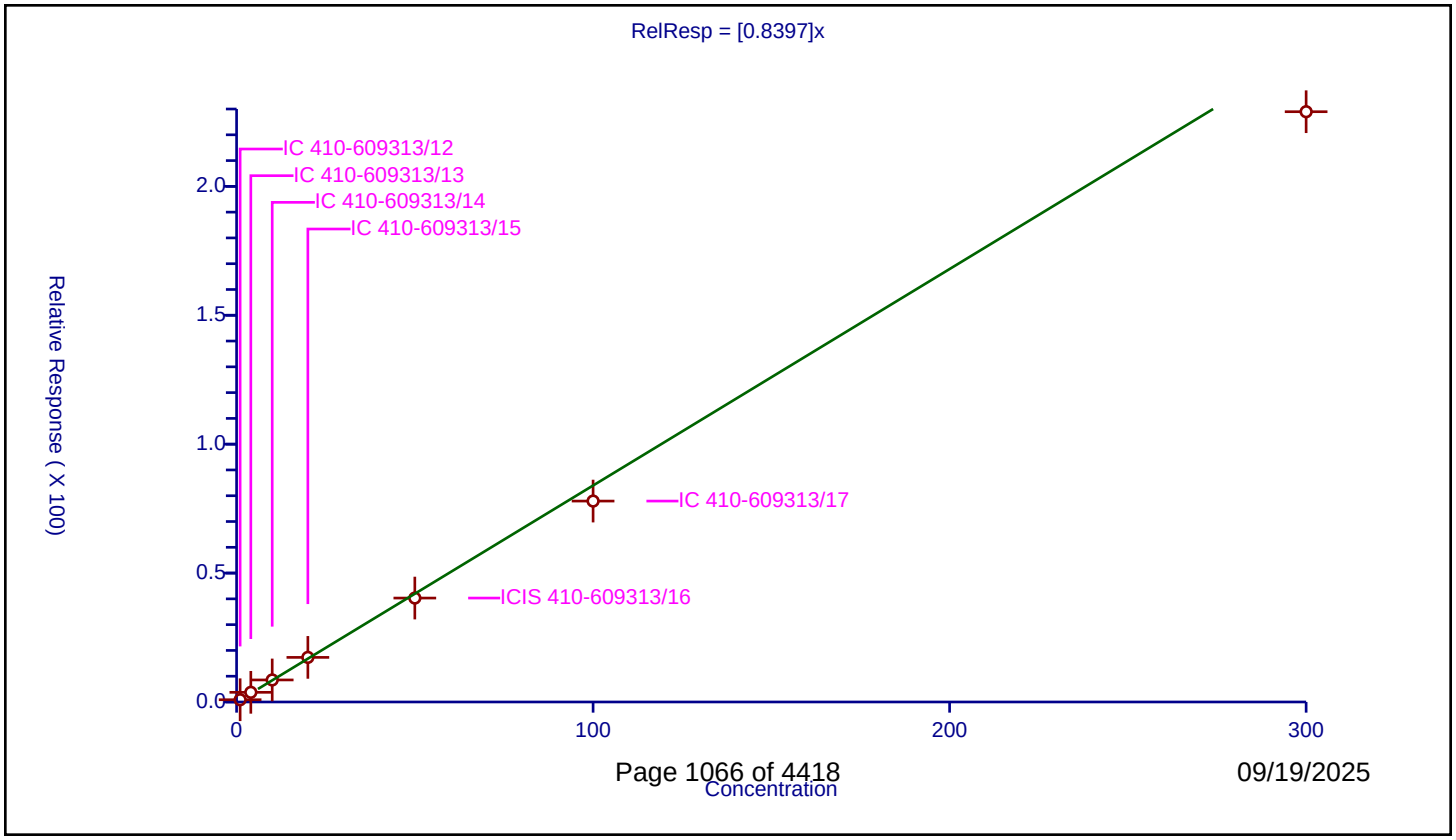
Curve Coefficients

Intercept:	0
Slope:	0.8397

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.87258	50.0	1046208.0	0.87258	Y
2	IC 410-609313/13	4.0	3.748429	50.0	1027017.0	0.937107	Y
3	IC 410-609313/14	10.0	8.543656	50.0	1053460.0	0.854366	Y
4	IC 410-609313/15	20.0	17.295902	50.0	1072731.0	0.864795	Y
5	ICIS 410-609313/16	50.0	40.317341	50.0	1079817.0	0.806347	Y
6	IC 410-609313/17	100.0	77.934317	50.0	1128610.0	0.779343	Y
7	IC 410-609313/18	300.0	228.95339	50.0	1141514.0	0.763178	Y



Calibration / Pentane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

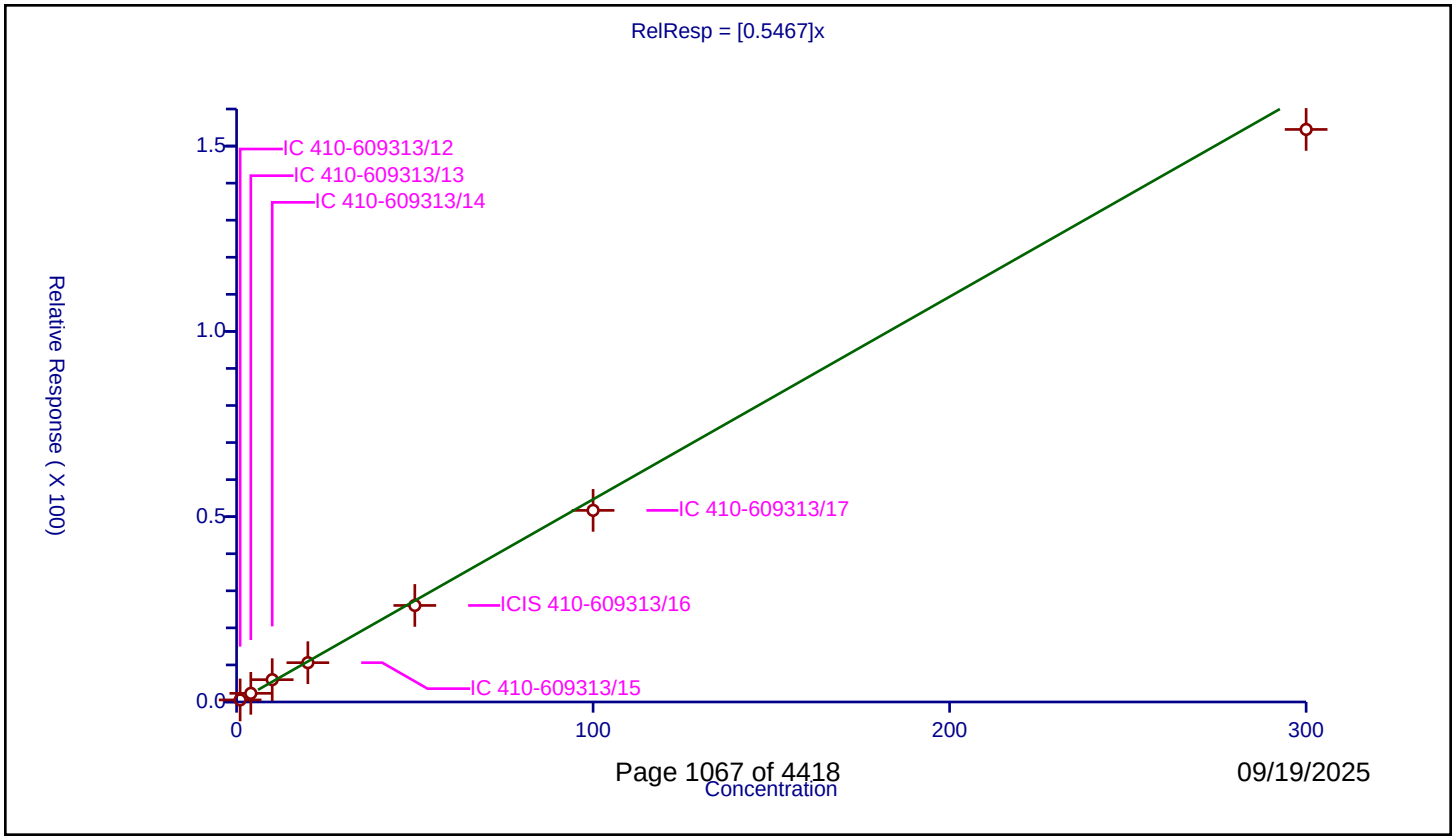
Curve Coefficients

Intercept:	0
Slope:	0.5467

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.558637	50.0	1046208.0	0.558637	Y
2	IC 410-609313/13	4.0	2.331753	50.0	1027017.0	0.582938	Y
3	IC 410-609313/14	10.0	6.021586	50.0	1053460.0	0.602159	Y
4	IC 410-609313/15	20.0	10.60951	50.0	1072731.0	0.530475	Y
5	ICIS 410-609313/16	50.0	26.04909	50.0	1079817.0	0.520982	Y
6	IC 410-609313/17	100.0	51.704043	50.0	1128610.0	0.51704	Y
7	IC 410-609313/18	300.0	154.487418	50.0	1141514.0	0.514958	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

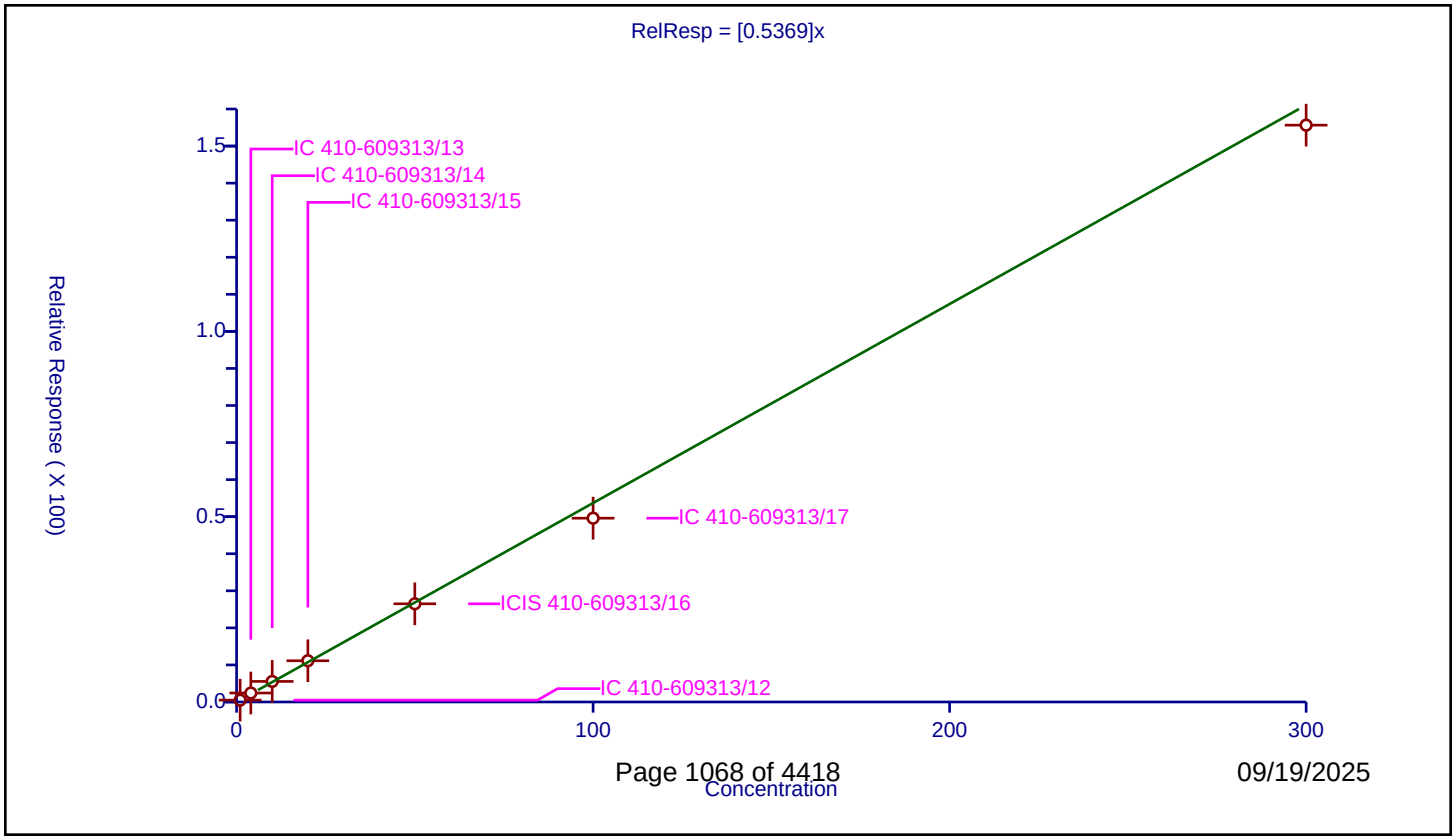
Curve Coefficients

Intercept:	0
Slope:	0.5369

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.497224	50.0	1046208.0	0.497224	Y
2	IC 410-609313/13	4.0	2.421089	50.0	1027017.0	0.605272	Y
3	IC 410-609313/14	10.0	5.548716	50.0	1053460.0	0.554872	Y
4	IC 410-609313/15	20.0	11.124923	50.0	1072731.0	0.556246	Y
5	ICIS 410-609313/16	50.0	26.499722	50.0	1079817.0	0.529994	Y
6	IC 410-609313/17	100.0	49.594102	50.0	1128610.0	0.495941	Y
7	IC 410-609313/18	300.0	155.650259	50.0	1141514.0	0.518834	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

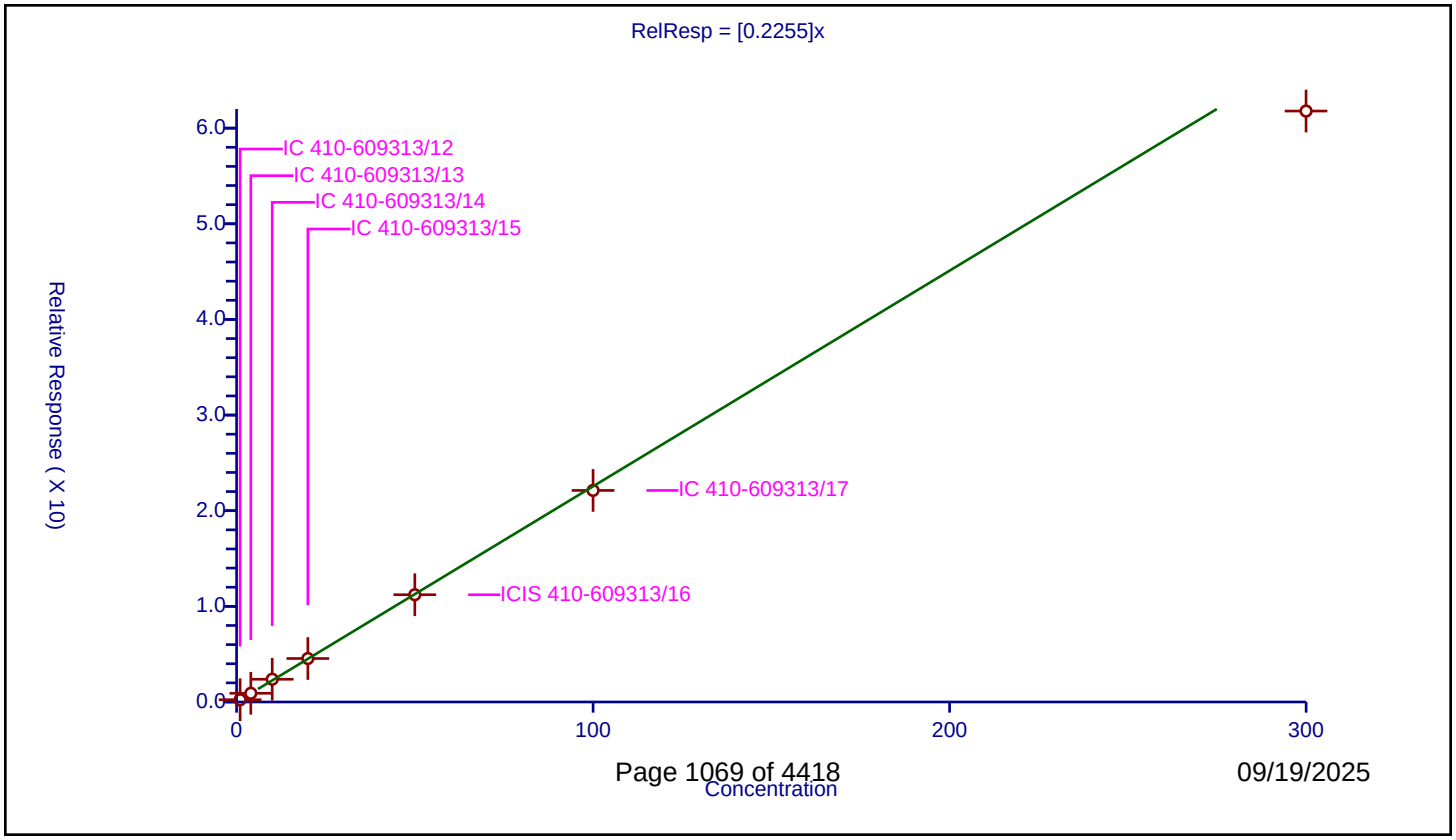
Curve Coefficients

Intercept:	0
Slope:	0.2255

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	0.999932	0.234227	50.0	1046208.0	0.234243	Y
2	IC 410-609313/13	3.999728	0.910744	50.0	1027017.0	0.227702	Y
3	IC 410-609313/14	9.99932	2.37674	50.0	1053460.0	0.23769	Y
4	IC 410-609313/15	19.99864	4.545548	50.0	1072731.0	0.227293	Y
5	ICIS 410-609313/16	49.9966	11.216345	50.0	1079817.0	0.224342	Y
6	IC 410-609313/17	99.9932	22.119909	50.0	1128610.0	0.221214	Y
7	IC 410-609313/18	299.9796	61.78689	50.0	1141514.0	0.20597	Y



Calibration / 1,2-Dichloro-1,1,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

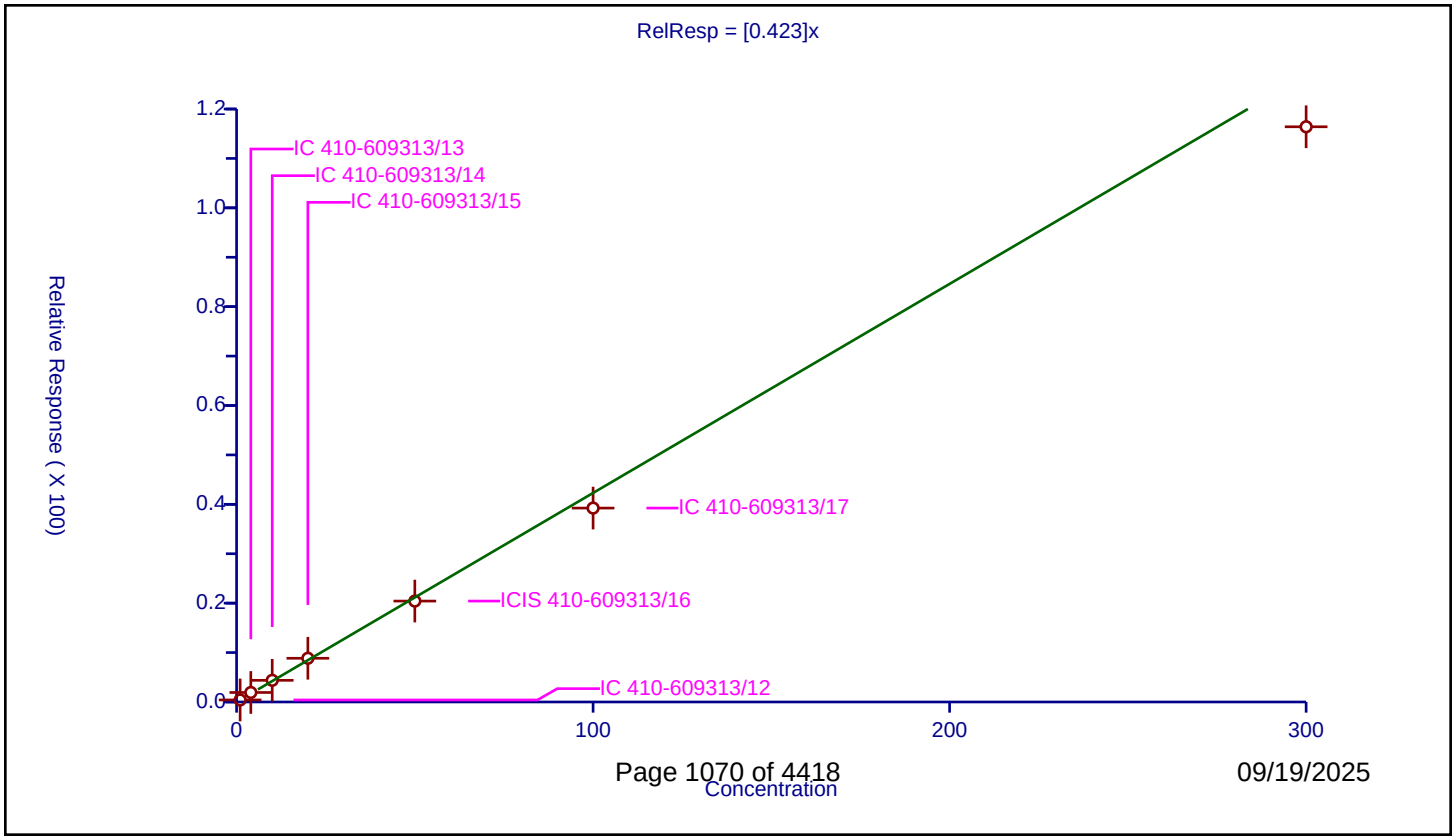
Curve Coefficients

Intercept:	0
Slope:	0.423

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.410817	50.0	1046208.0	0.410817	Y
2	IC 410-609313/13	4.0	1.922558	50.0	1027017.0	0.48064	Y
3	IC 410-609313/14	10.0	4.384504	50.0	1053460.0	0.43845	Y
4	IC 410-609313/15	20.0	8.849889	50.0	1072731.0	0.442494	Y
5	ICIS 410-609313/16	50.0	20.423553	50.0	1079817.0	0.408471	Y
6	IC 410-609313/17	100.0	39.241456	50.0	1128610.0	0.392415	Y
7	IC 410-609313/18	300.0	116.405624	50.0	1141514.0	0.388019	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

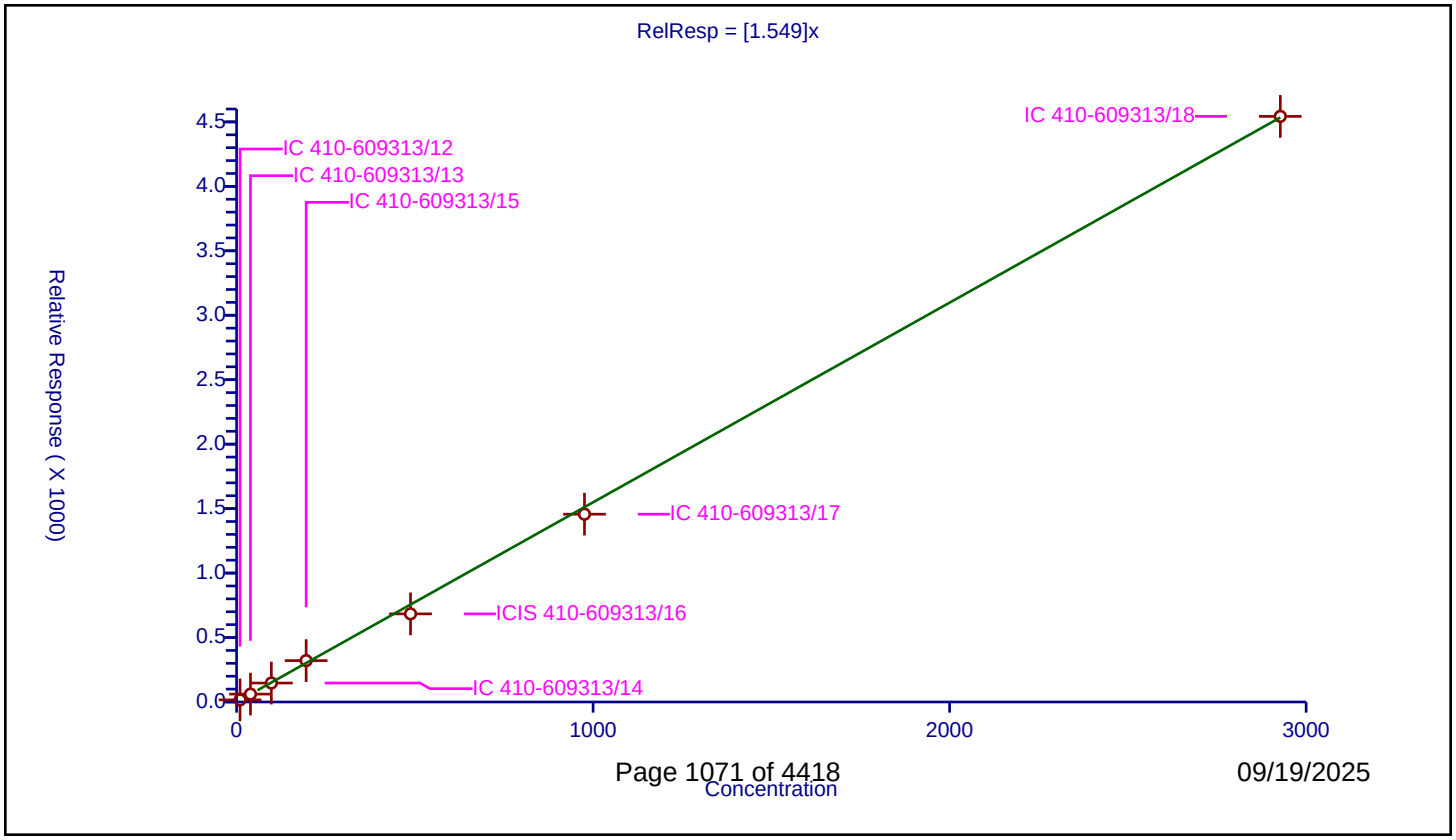
Curve Coefficients

Intercept:	0
Slope:	1.549

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	9.758752	16.368975	250.0	389609.0	1.677364	Y
2	IC 410-609313/13	39.035009	61.191504	250.0	375861.0	1.567606	Y
3	IC 410-609313/14	97.587523	147.074107	250.0	380072.0	1.507099	Y
4	IC 410-609313/15	195.175046	320.900291	250.0	383454.0	1.644167	Y
5	ICIS 410-609313/16	487.937615	683.673079	250.0	405548.0	1.401149	Y
6	IC 410-609313/17	975.875229	1456.947405	250.0	403971.0	1.492965	Y
7	IC 410-609313/18	2927.625688	4542.954741	250.0	374202.0	1.551754	Y



09/19/2025

Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

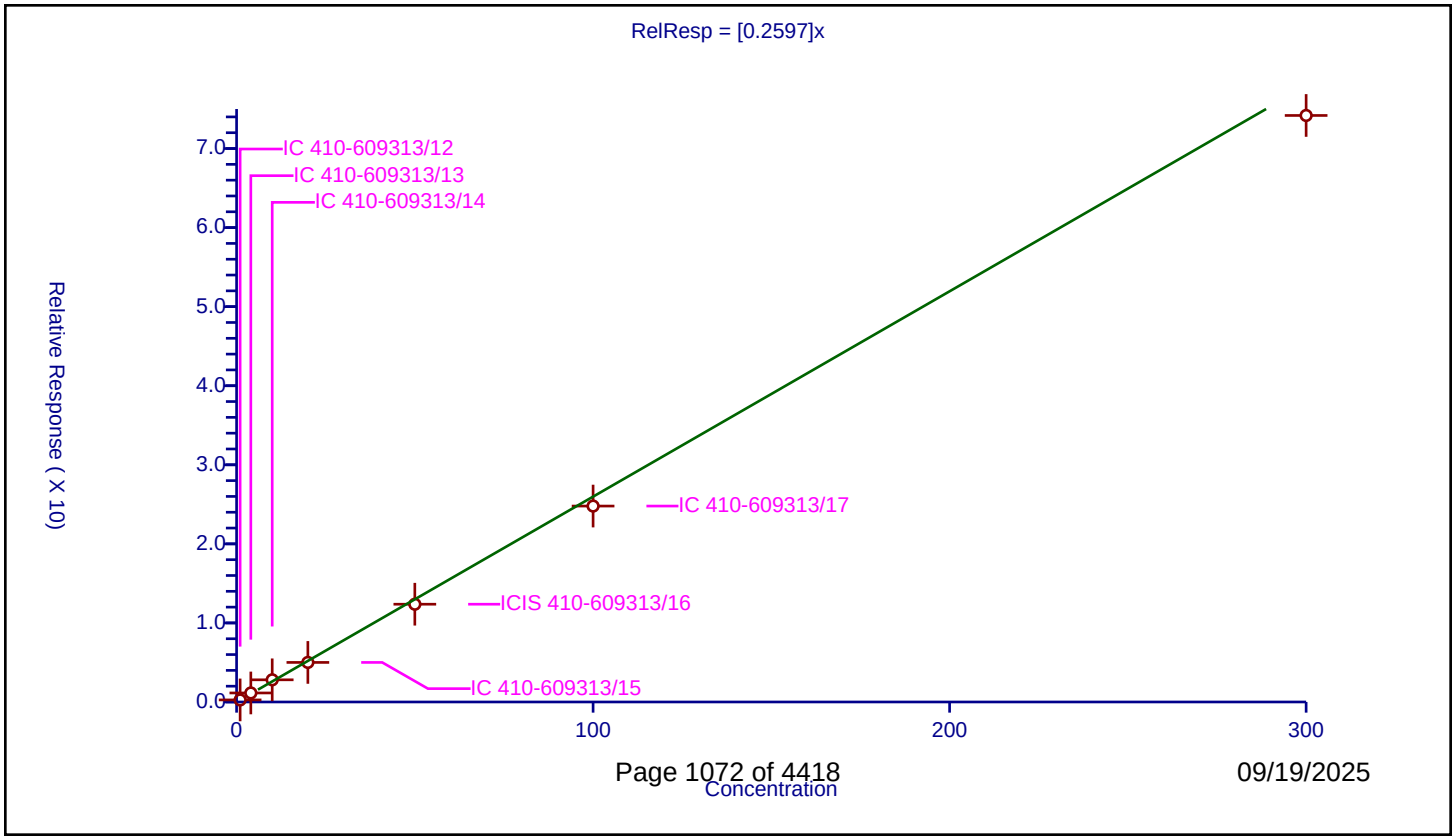
Curve Coefficients

Intercept:	0
Slope:	0.2597

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.259891	50.0	1046208.0	0.259891	Y
2	IC 410-609313/13	4.0	1.14112	50.0	1027017.0	0.28528	Y
3	IC 410-609313/14	10.0	2.803191	50.0	1053460.0	0.280319	Y
4	IC 410-609313/15	20.0	5.002745	50.0	1072731.0	0.250137	Y
5	ICIS 410-609313/16	50.0	12.365706	50.0	1079817.0	0.247314	Y
6	IC 410-609313/17	100.0	24.780881	50.0	1128610.0	0.247809	Y
7	IC 410-609313/18	300.0	74.182095	50.0	1141514.0	0.247274	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

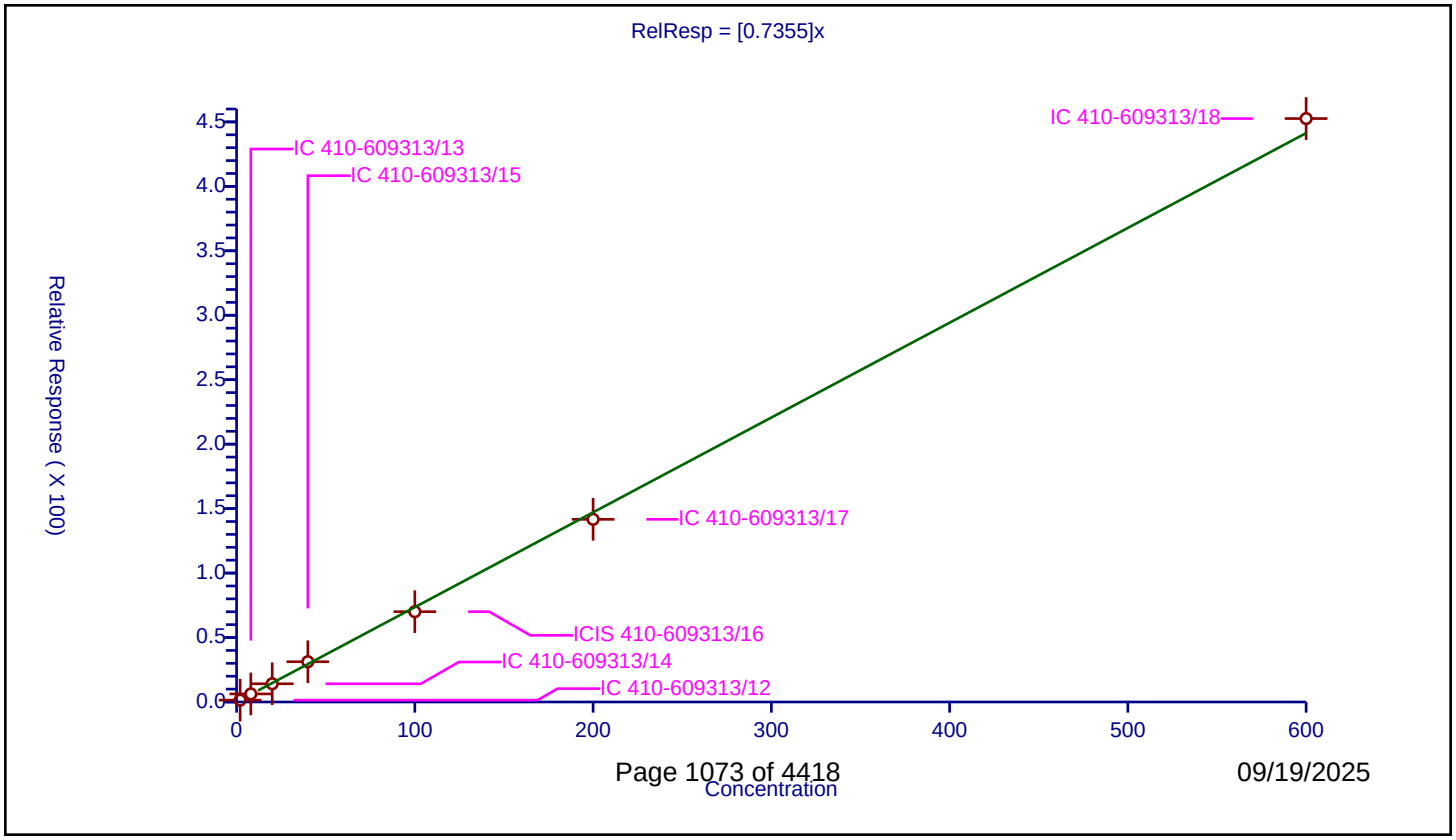
Curve Coefficients

Intercept:	0
Slope:	0.7355

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	2.0	1.427713	250.0	389609.0	0.713857	Y
2	IC 410-609313/13	8.0	6.266944	250.0	375861.0	0.783368	Y
3	IC 410-609313/14	20.0	14.143373	250.0	380072.0	0.707169	Y
4	IC 410-609313/15	40.0	31.230604	250.0	383454.0	0.780765	Y
5	ICIS 410-609313/16	100.0	70.065072	250.0	405548.0	0.700651	Y
6	IC 410-609313/17	200.0	141.693339	250.0	403971.0	0.708467	Y
7	IC 410-609313/18	600.0	452.587773	250.0	374202.0	0.754313	Y



09/19/2025

Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

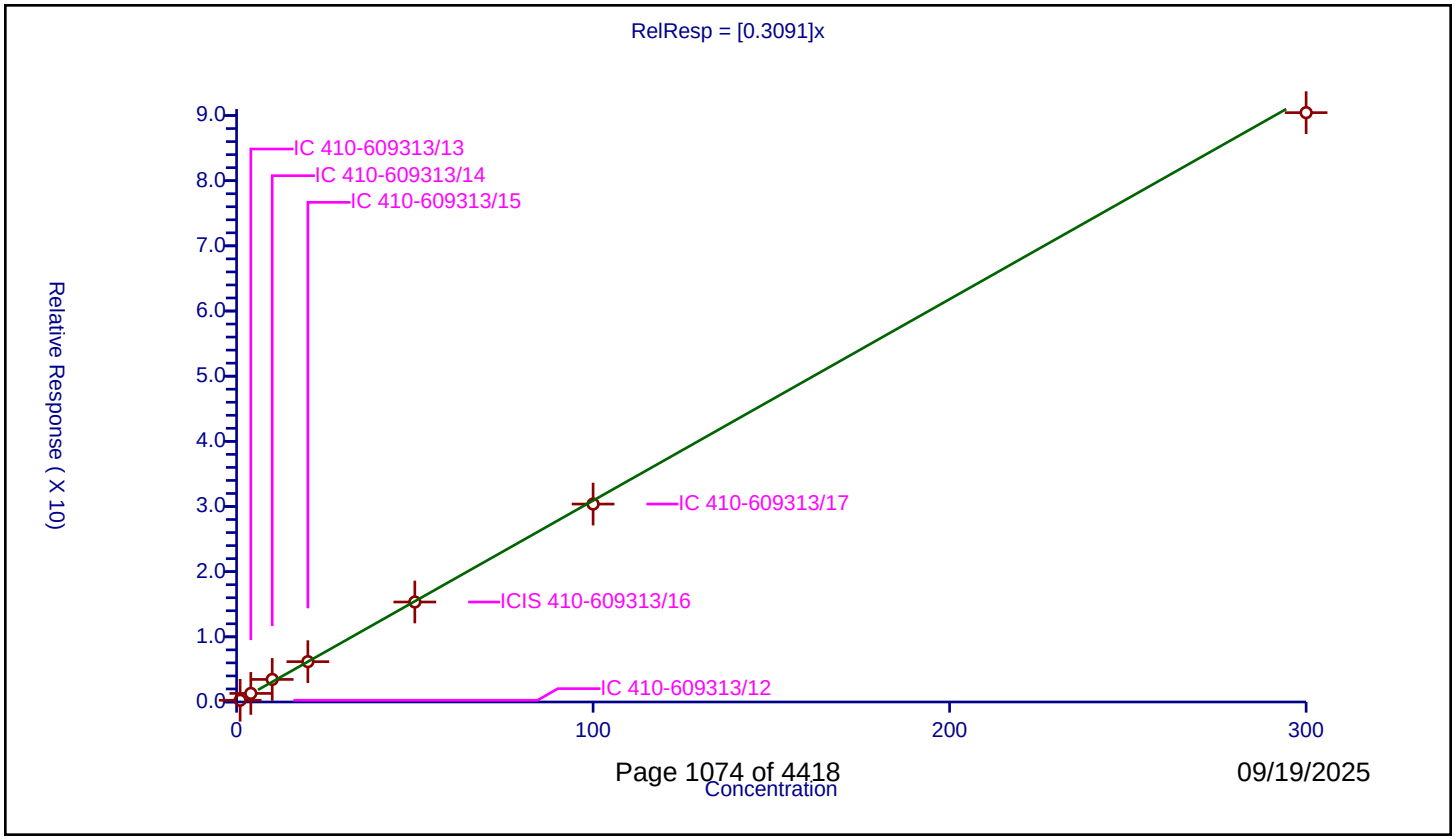
Curve Coefficients

Intercept:	0
Slope:	0.3091

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.265865	50.0	1046208.0	0.265865	Y
2	IC 410-609313/13	4.0	1.3177	50.0	1027017.0	0.329425	Y
3	IC 410-609313/14	10.0	3.465105	50.0	1053460.0	0.346511	Y
4	IC 410-609313/15	20.0	6.191673	50.0	1072731.0	0.309584	Y
5	ICIS 410-609313/16	50.0	15.343155	50.0	1079817.0	0.306863	Y
6	IC 410-609313/17	100.0	30.375107	50.0	1128610.0	0.303751	Y
7	IC 410-609313/18	300.0	90.442299	50.0	1141514.0	0.301474	Y



Calibration / Isopropyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

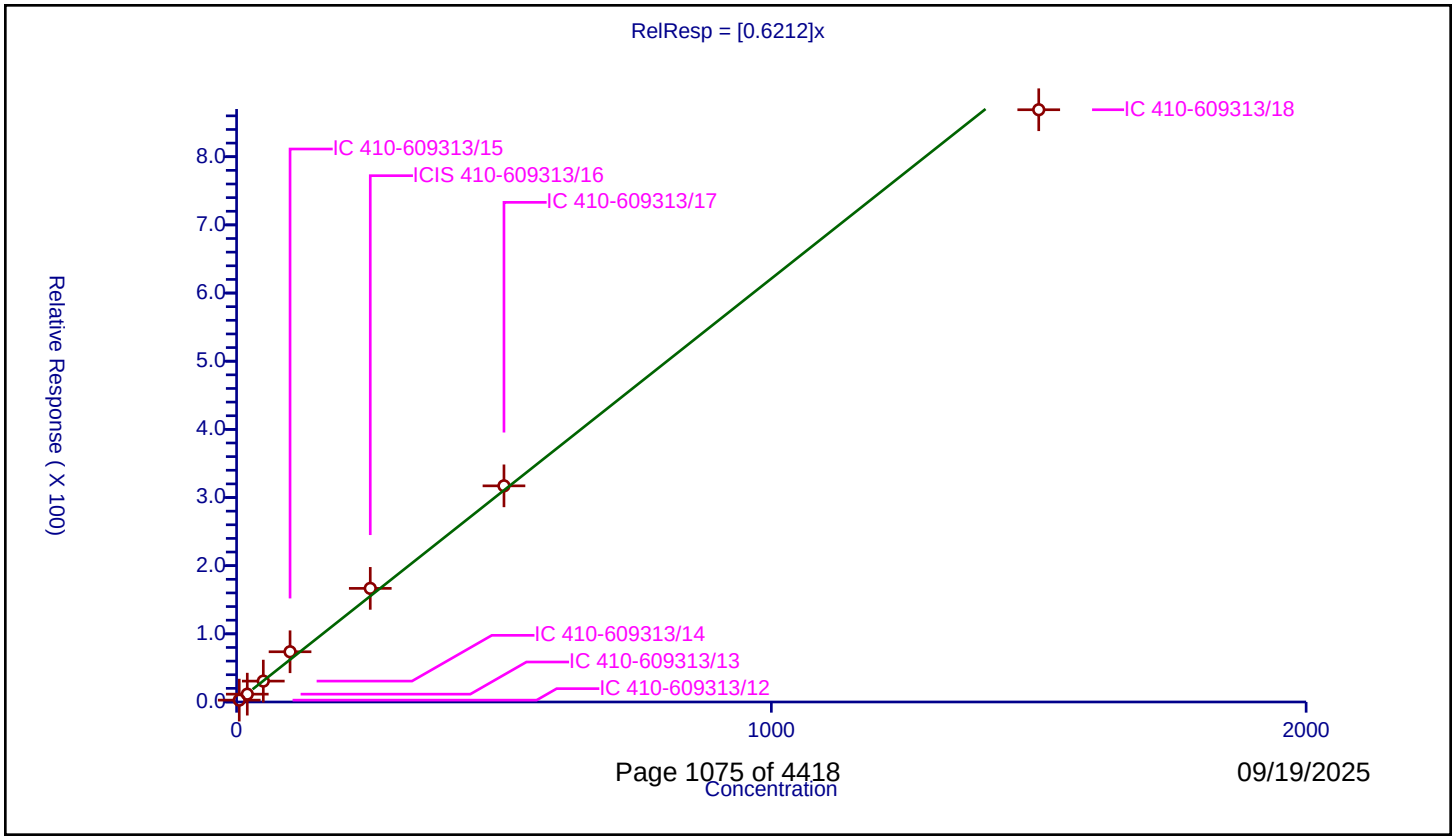
Curve Coefficients

Intercept:	0
Slope:	0.6212

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	5.0	2.724526	250.0	389609.0	0.544905	Y
2	IC 410-609313/13	20.0	11.46634	250.0	375861.0	0.573317	Y
3	IC 410-609313/14	50.0	30.651429	250.0	380072.0	0.613029	Y
4	IC 410-609313/15	100.0	73.676373	250.0	383454.0	0.736764	Y
5	ICIS 410-609313/16	250.0	166.701599	250.0	405548.0	0.666806	Y
6	IC 410-609313/17	500.0	317.130438	250.0	403971.0	0.634261	Y
7	IC 410-609313/18	1500.0	868.959813	250.0	374202.0	0.579307	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

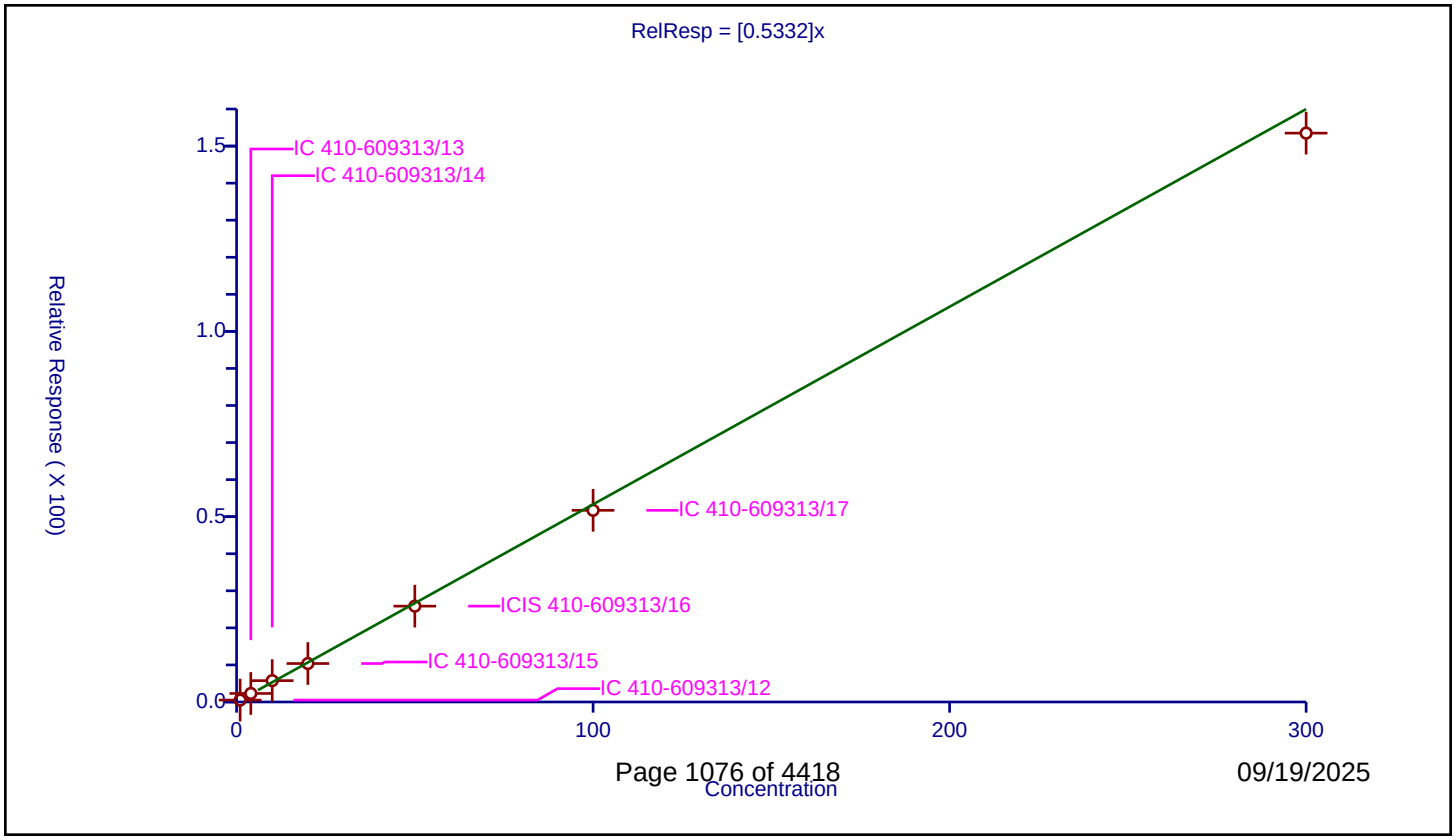
Curve Coefficients

Intercept:	0
Slope:	0.5332

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.516102	50.0	1046208.0	0.516102	Y
2	IC 410-609313/13	4.0	2.301617	50.0	1027017.0	0.575404	Y
3	IC 410-609313/14	10.0	5.760969	50.0	1053460.0	0.576097	Y
4	IC 410-609313/15	20.0	10.377672	50.0	1072731.0	0.518884	Y
5	ICIS 410-609313/16	50.0	25.867068	50.0	1079817.0	0.517341	Y
6	IC 410-609313/17	100.0	51.71946	50.0	1128610.0	0.517195	Y
7	IC 410-609313/18	300.0	153.493255	50.0	1141514.0	0.511644	Y



09/19/2025

Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

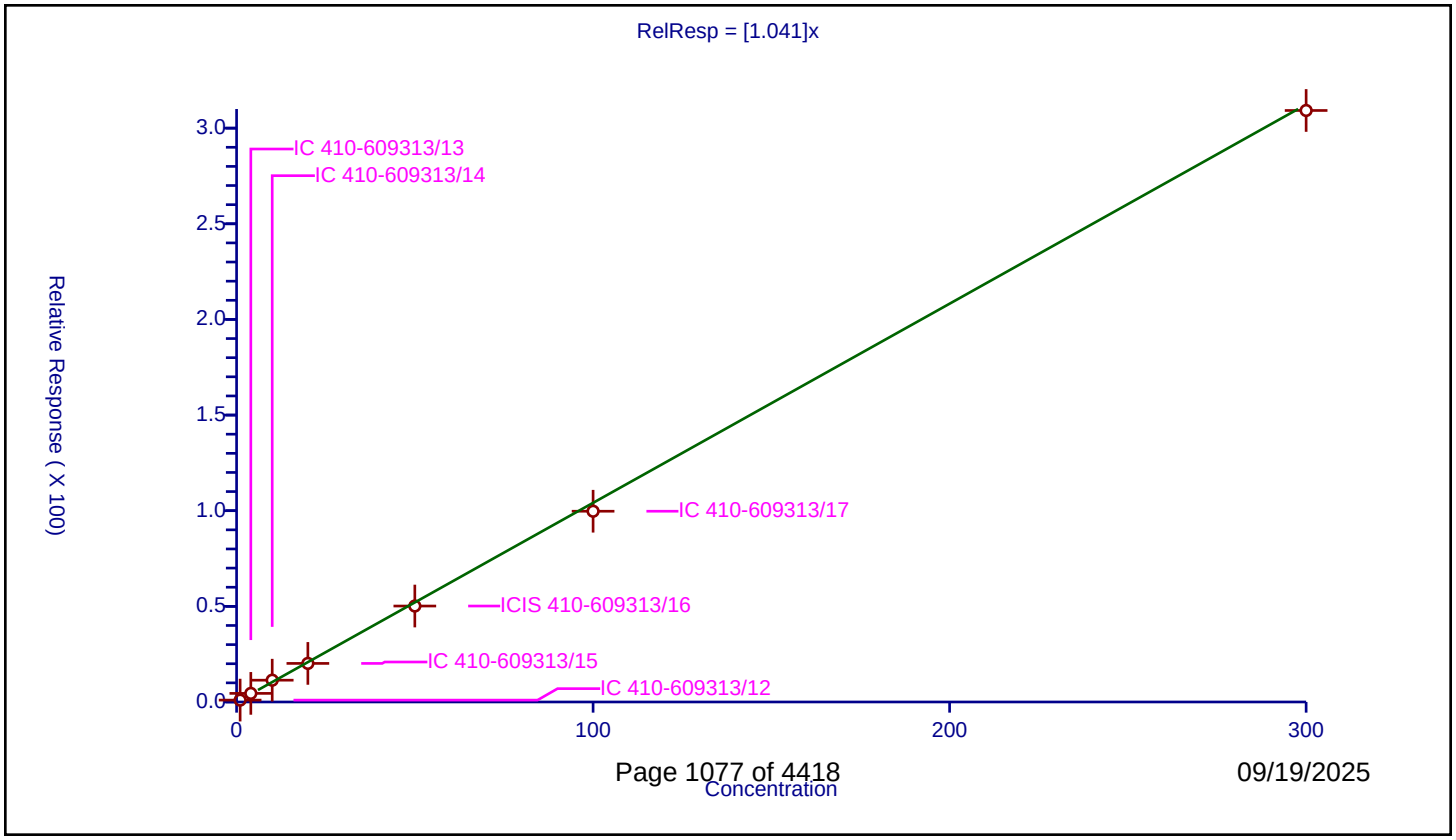
Curve Coefficients

Intercept:	0
Slope:	1.041

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.985511	50.0	1046208.0	0.985511	Y
2	IC 410-609313/13	4.0	4.490189	50.0	1027017.0	1.122547	Y
3	IC 410-609313/14	10.0	11.398202	50.0	1053460.0	1.13982	Y
4	IC 410-609313/15	20.0	20.172019	50.0	1072731.0	1.008601	Y
5	ICIS 410-609313/16	50.0	50.16901	50.0	1079817.0	1.00338	Y
6	IC 410-609313/17	100.0	99.729535	50.0	1128610.0	0.997295	Y
7	IC 410-609313/18	300.0	309.230066	50.0	1141514.0	1.030767	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

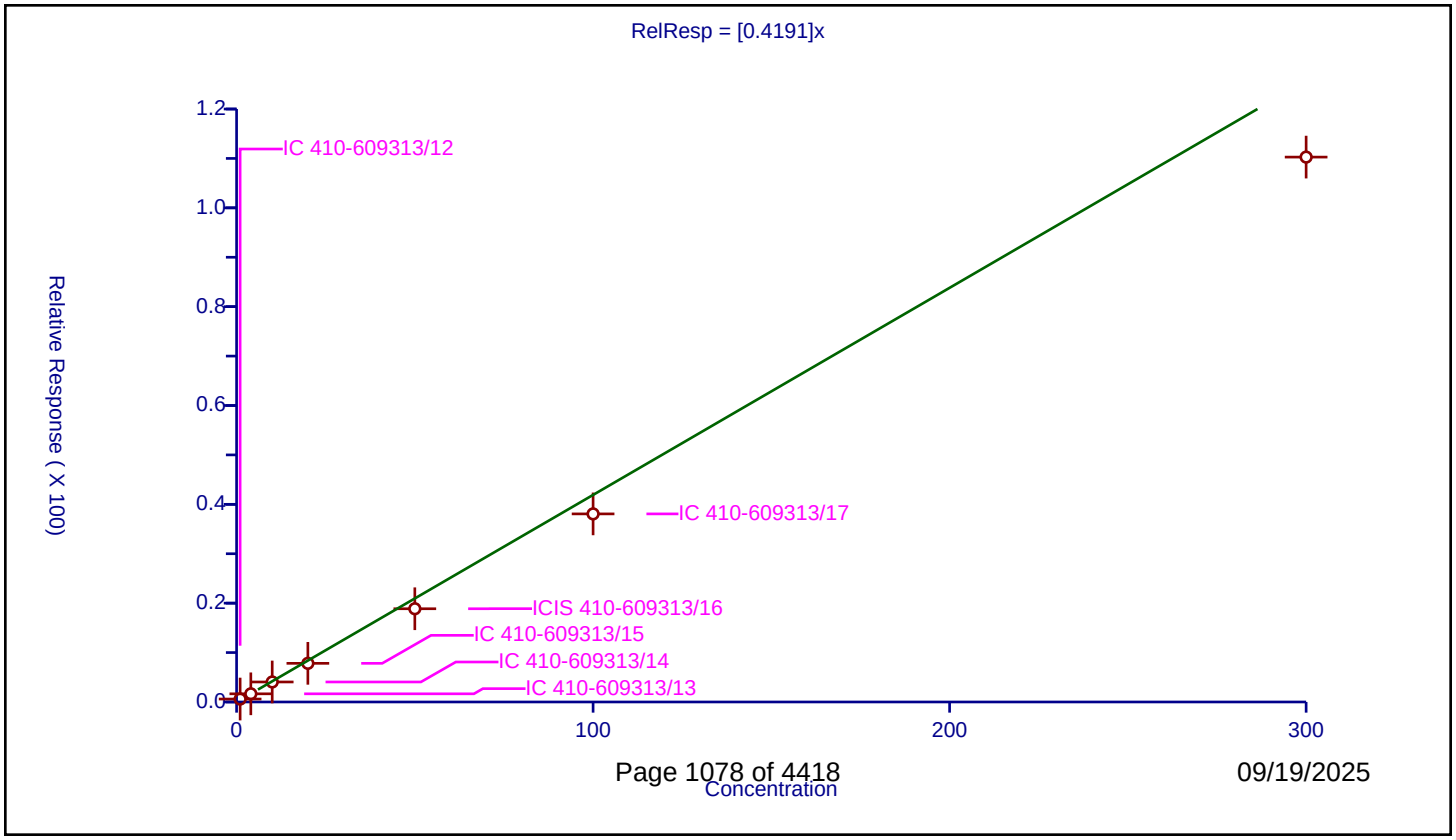
Curve Coefficients

Intercept:	0
Slope:	0.4191

Error Coefficients

Relative Standard Deviation:	19.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.598112	50.0	1046208.0	0.598112	Y
2	IC 410-609313/13	4.0	1.655328	50.0	1027017.0	0.413832	Y
3	IC 410-609313/14	10.0	4.049276	50.0	1053460.0	0.404928	Y
4	IC 410-609313/15	20.0	7.820041	50.0	1072731.0	0.391002	Y
5	ICIS 410-609313/16	50.0	18.869216	50.0	1079817.0	0.377384	Y
6	IC 410-609313/17	100.0	38.066072	50.0	1128610.0	0.380661	Y
7	IC 410-609313/18	300.0	110.267461	50.0	1141514.0	0.367558	Y



09/19/2025

Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

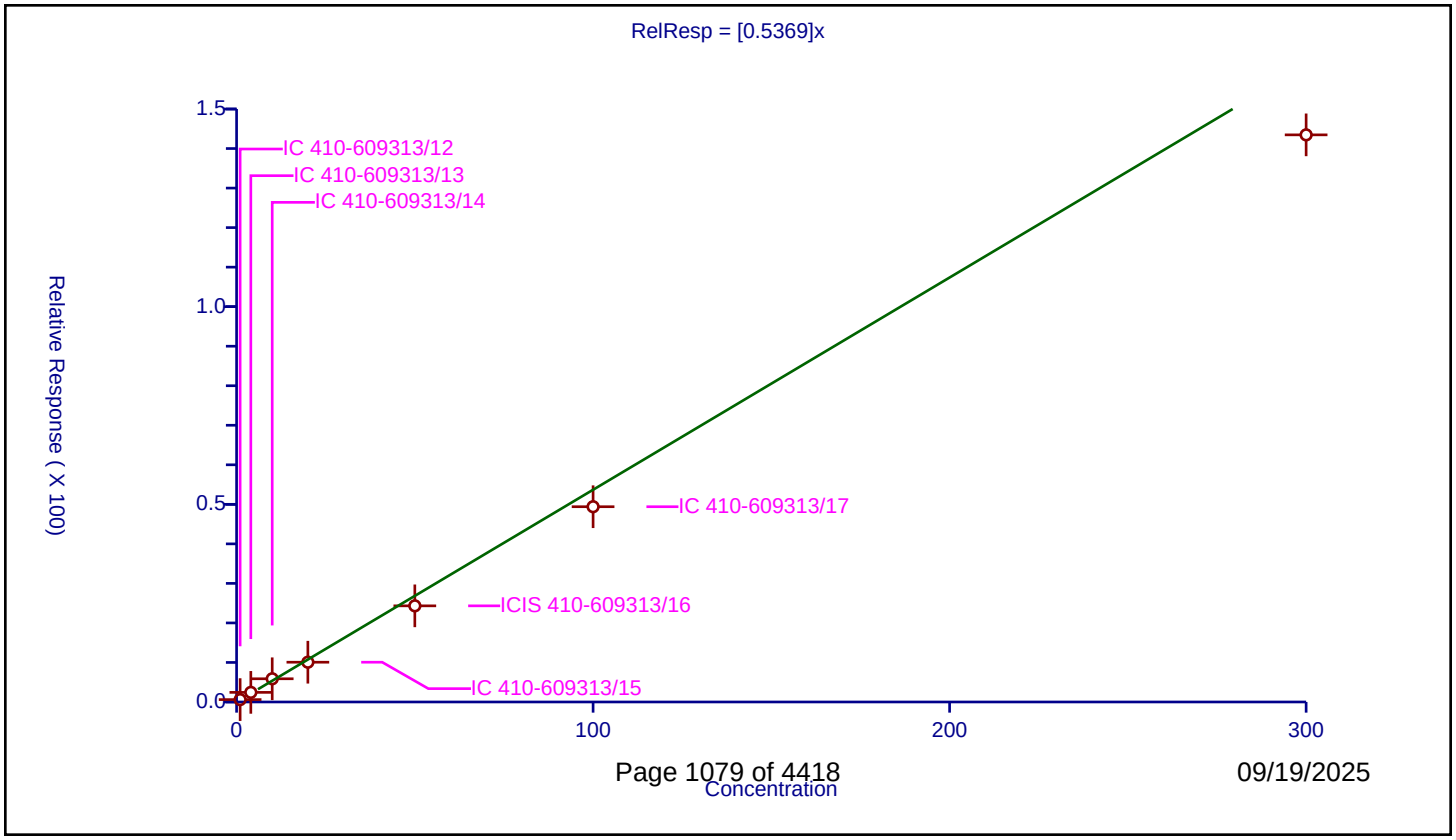
Curve Coefficients

Intercept:	0
Slope:	0.5369

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.600884	50.0	1046208.0	0.600884	Y
2	IC 410-609313/13	4.0	2.433261	50.0	1027017.0	0.608315	Y
3	IC 410-609313/14	10.0	5.870417	50.0	1053460.0	0.587042	Y
4	IC 410-609313/15	20.0	10.063194	50.0	1072731.0	0.50316	Y
5	ICIS 410-609313/16	50.0	24.32389	50.0	1079817.0	0.486478	Y
6	IC 410-609313/17	100.0	49.398242	50.0	1128610.0	0.493982	Y
7	IC 410-609313/18	300.0	143.461578	50.0	1141514.0	0.478205	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

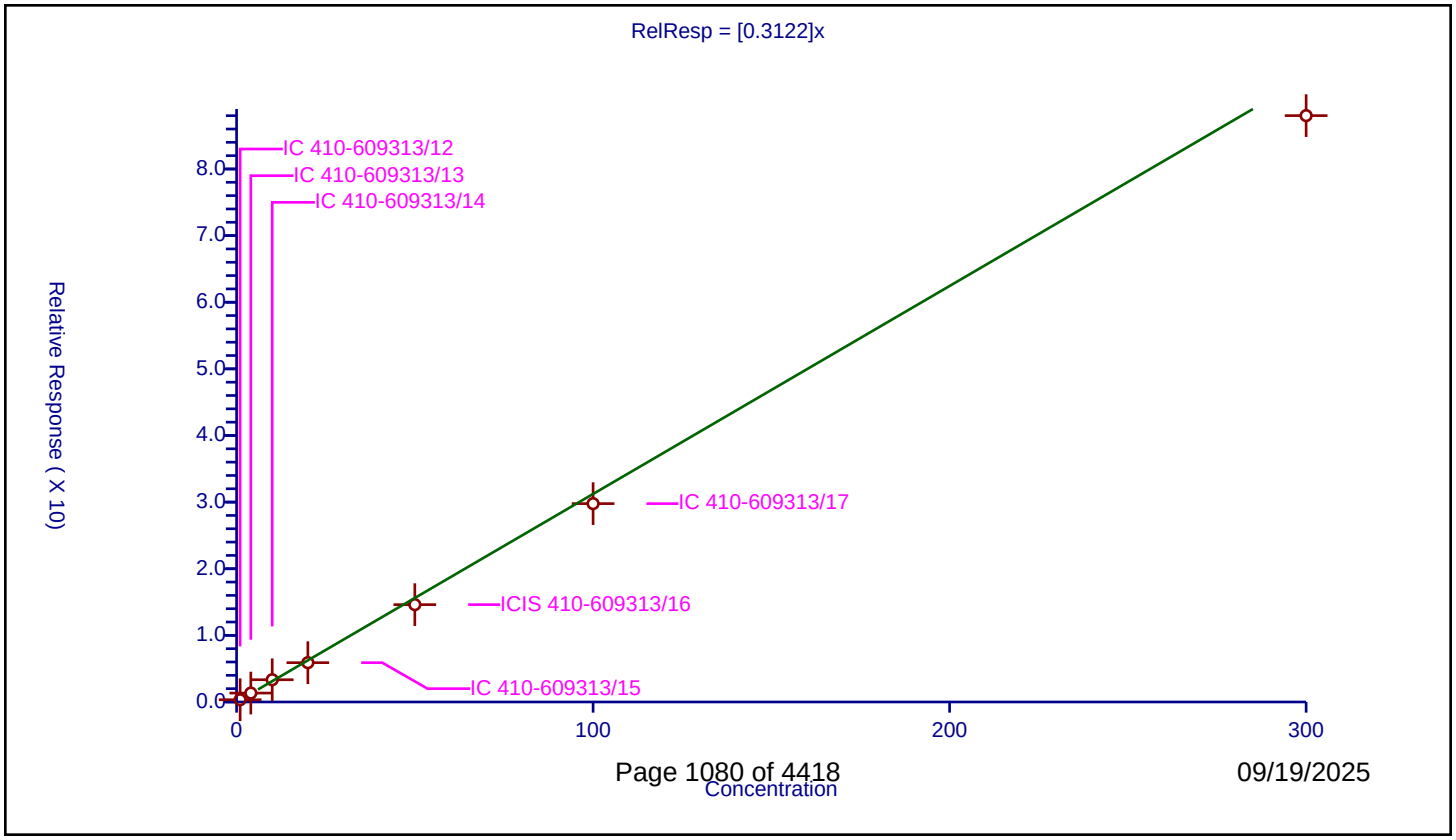
Curve Coefficients

Intercept:	0
Slope:	0.3122

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.337935	50.0	1046208.0	0.337935	Y
2	IC 410-609313/13	4.0	1.340046	50.0	1027017.0	0.335011	Y
3	IC 410-609313/14	10.0	3.340753	50.0	1053460.0	0.334075	Y
4	IC 410-609313/15	20.0	5.902132	50.0	1072731.0	0.295107	Y
5	ICIS 410-609313/16	50.0	14.609142	50.0	1079817.0	0.292183	Y
6	IC 410-609313/17	100.0	29.772153	50.0	1128610.0	0.297722	Y
7	IC 410-609313/18	300.0	88.005403	50.0	1141514.0	0.293351	Y



09/19/2025

Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

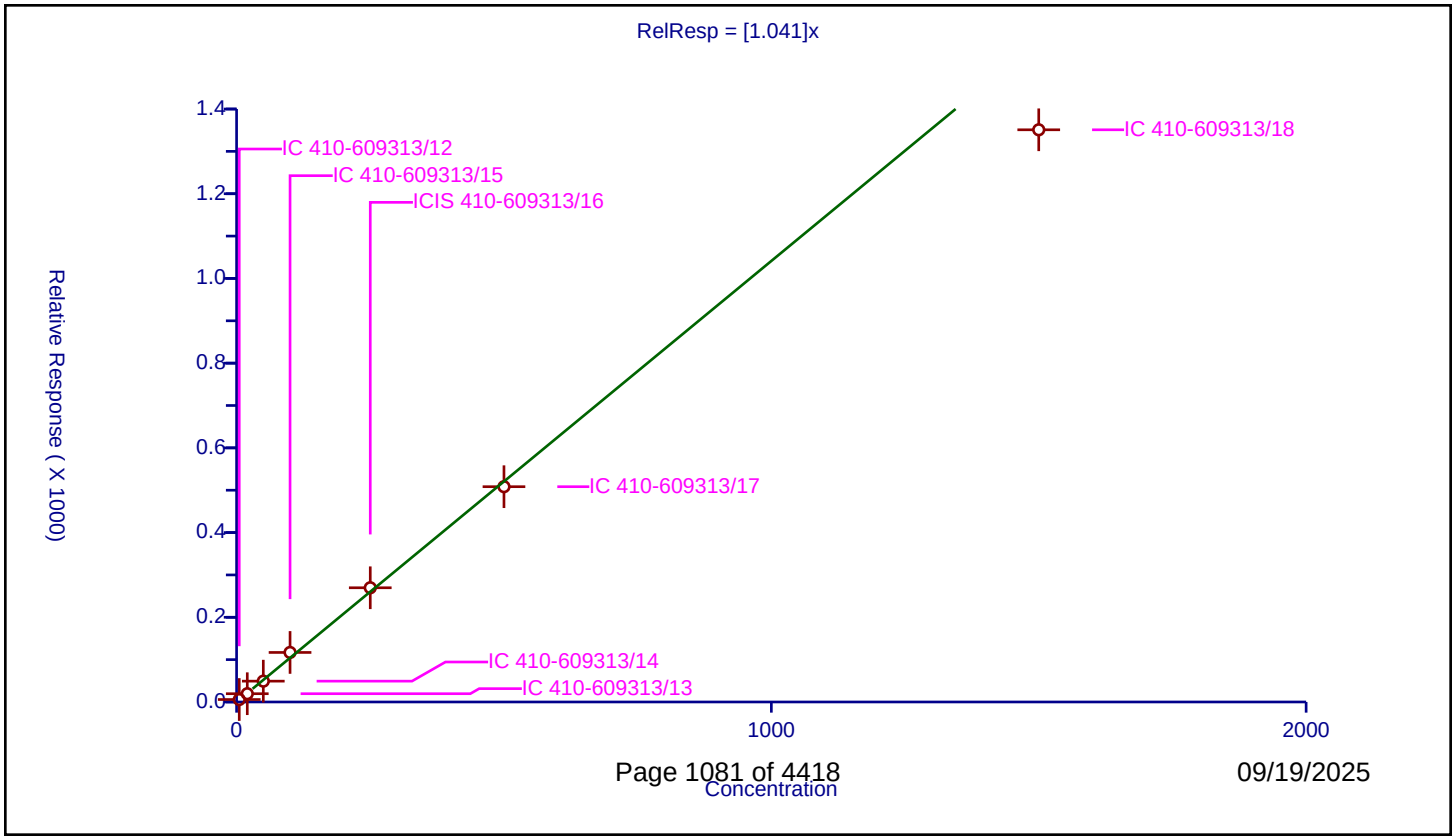
Curve Coefficients

Intercept:	0
Slope:	1.041

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	5.0	5.817371	250.0	389609.0	1.163474	Y
2	IC 410-609313/13	20.0	19.519184	250.0	375861.0	0.975959	Y
3	IC 410-609313/14	50.0	49.17292	250.0	380072.0	0.983458	Y
4	IC 410-609313/15	100.0	116.976221	250.0	383454.0	1.169762	Y
5	ICIS 410-609313/16	250.0	269.716532	250.0	405548.0	1.078866	Y
6	IC 410-609313/17	500.0	508.310002	250.0	403971.0	1.01662	Y
7	IC 410-609313/18	1500.0	1350.982892	250.0	374202.0	0.900655	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

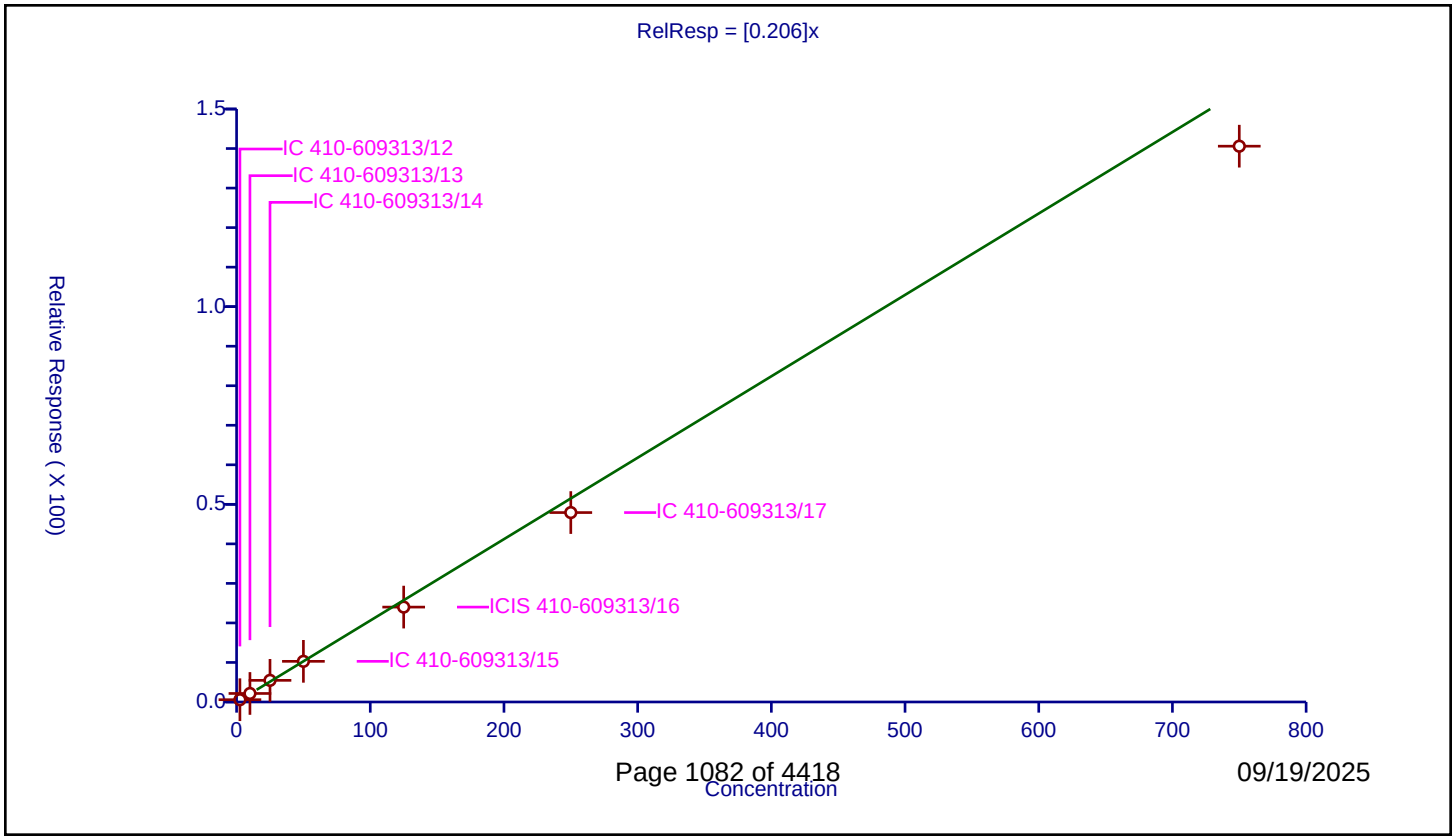
Curve Coefficients

Intercept:	0
Slope:	0.206

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	2.5	0.575316	50.0	1046208.0	0.230126	Y
2	IC 410-609313/13	10.0	2.155855	50.0	1027017.0	0.215586	Y
3	IC 410-609313/14	25.0	5.477189	50.0	1053460.0	0.219088	Y
4	IC 410-609313/15	50.0	10.286409	50.0	1072731.0	0.205728	Y
5	ICIS 410-609313/16	125.0	24.001474	50.0	1079817.0	0.192012	Y
6	IC 410-609313/17	250.0	47.917926	50.0	1128610.0	0.191672	Y
7	IC 410-609313/18	750.0	140.593939	50.0	1141514.0	0.187459	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

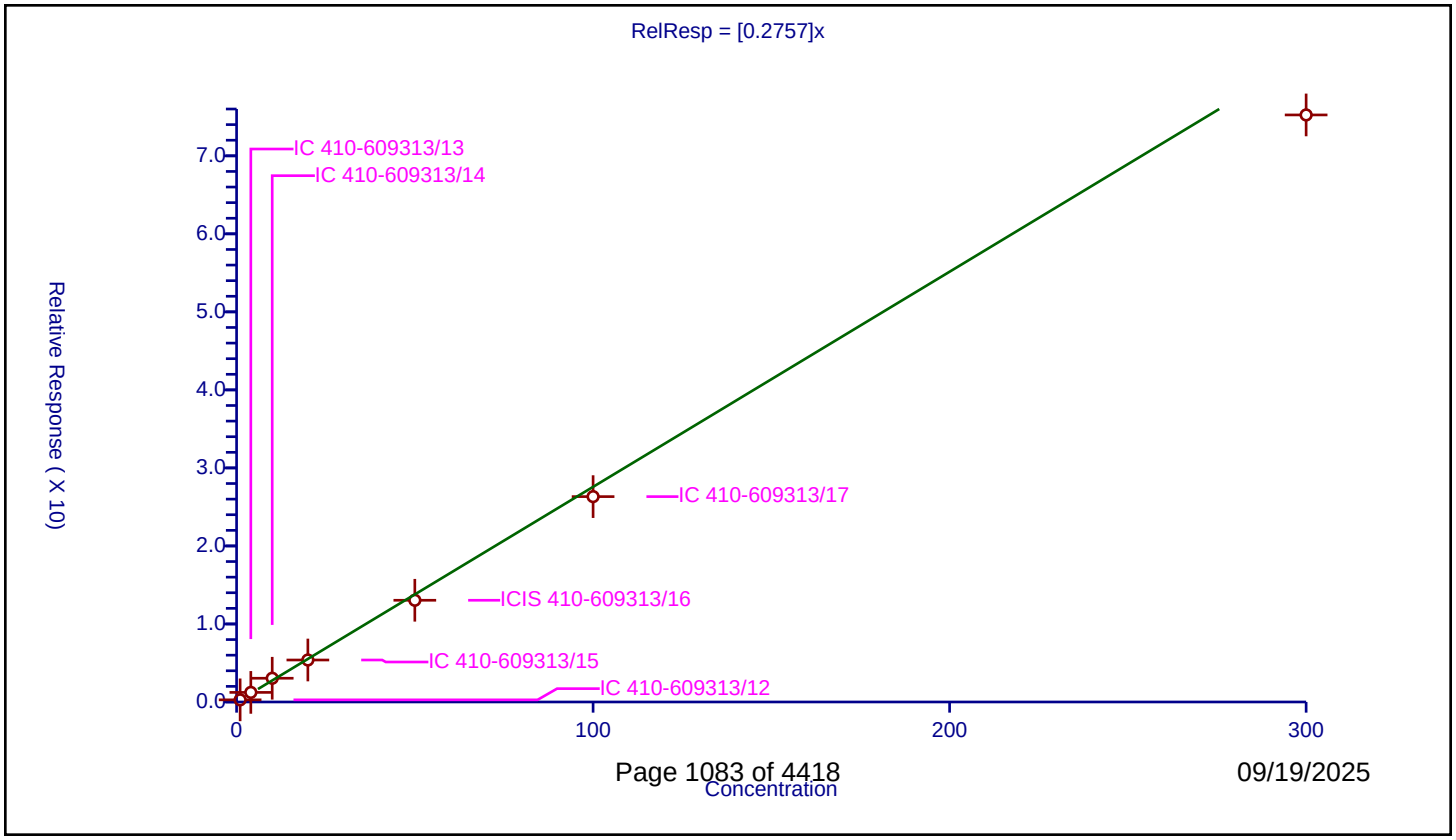
Curve Coefficients

Intercept:	0
Slope:	0.2757

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.274276	50.0	1046208.0	0.274276	Y
2	IC 410-609313/13	4.0	1.230262	50.0	1027017.0	0.307566	Y
3	IC 410-609313/14	10.0	3.043352	50.0	1053460.0	0.304335	Y
4	IC 410-609313/15	20.0	5.382104	50.0	1072731.0	0.269105	Y
5	ICIS 410-609313/16	50.0	13.038228	50.0	1079817.0	0.260765	Y
6	IC 410-609313/17	100.0	26.323398	50.0	1128610.0	0.263234	Y
7	IC 410-609313/18	300.0	75.242835	50.0	1141514.0	0.250809	Y



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

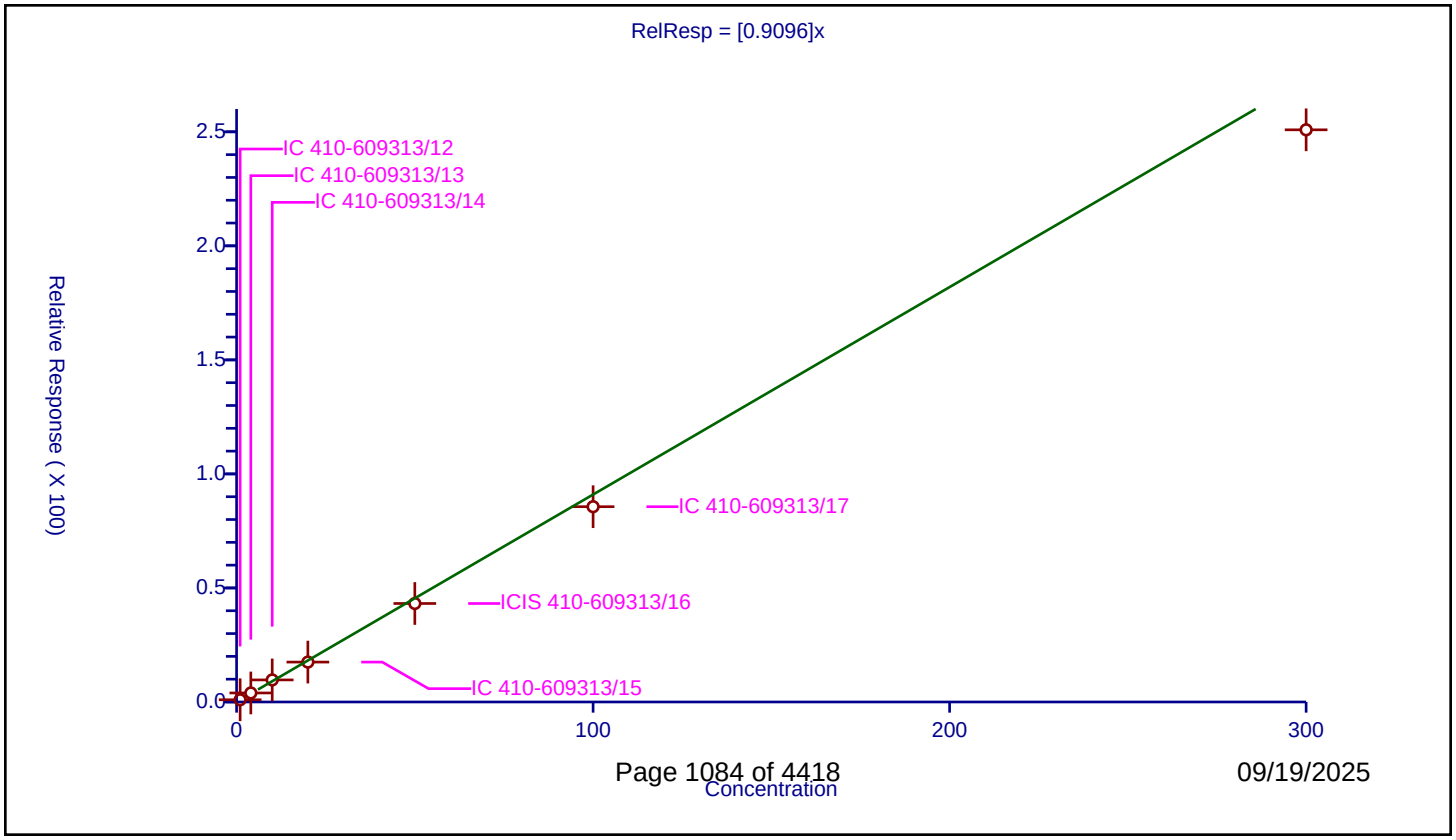
Curve Coefficients

Intercept:	0
Slope:	0.9096

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.977435	50.0	1046208.0	0.977435	Y
2	IC 410-609313/13	4.0	3.963566	50.0	1027017.0	0.990892	Y
3	IC 410-609313/14	10.0	9.677871	50.0	1053460.0	0.967787	Y
4	IC 410-609313/15	20.0	17.496465	50.0	1072731.0	0.874823	Y
5	ICIS 410-609313/16	50.0	43.181206	50.0	1079817.0	0.863624	Y
6	IC 410-609313/17	100.0	85.63401	50.0	1128610.0	0.85634	Y
7	IC 410-609313/18	300.0	250.883782	50.0	1141514.0	0.836279	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

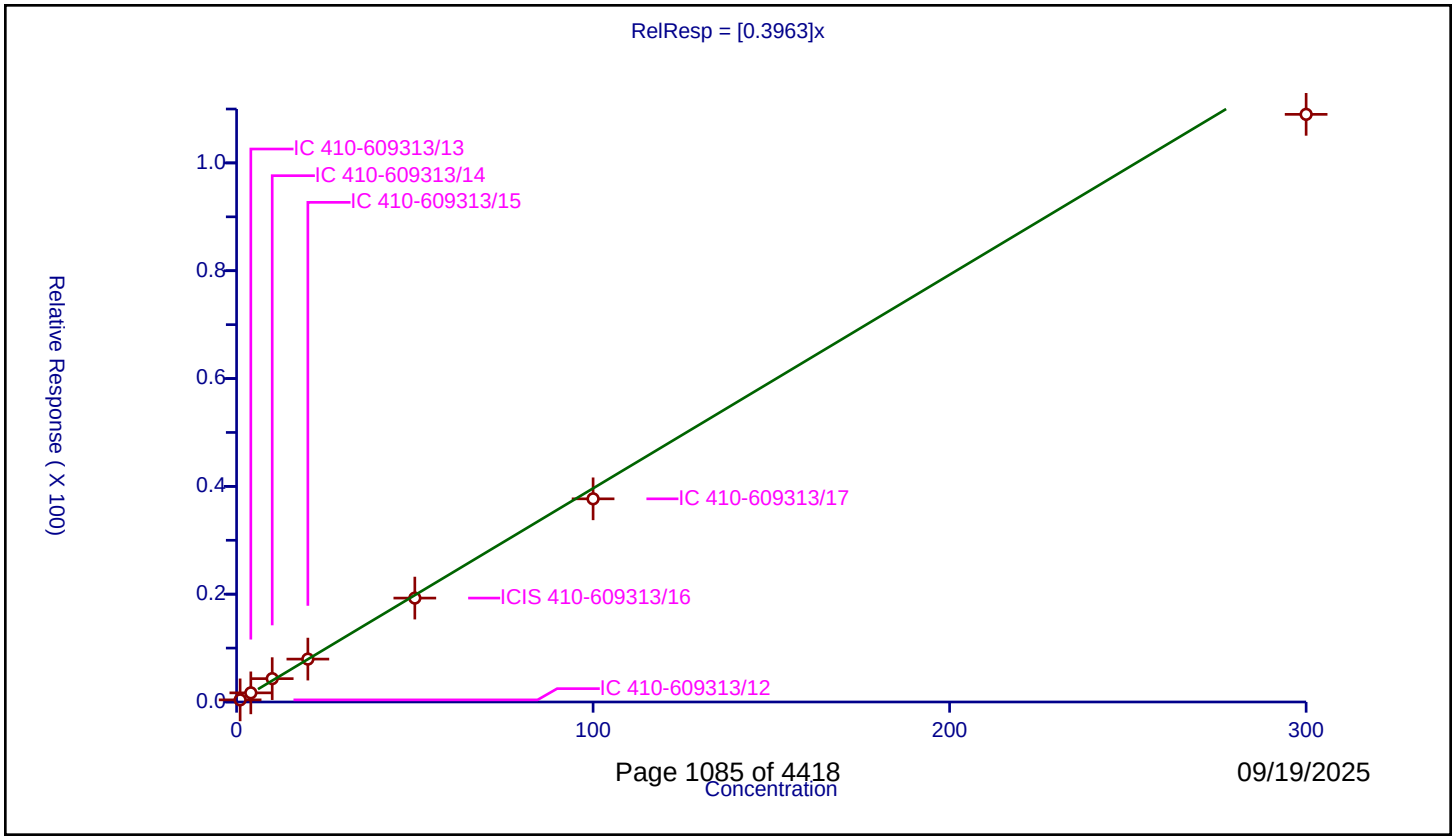
Curve Coefficients

Intercept:	0
Slope:	0.3963

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.393469	50.0	1046208.0	0.393469	Y
2	IC 410-609313/13	4.0	1.695249	50.0	1027017.0	0.423812	Y
3	IC 410-609313/14	10.0	4.331014	50.0	1053460.0	0.433101	Y
4	IC 410-609313/15	20.0	7.958985	50.0	1072731.0	0.397949	Y
5	ICIS 410-609313/16	50.0	19.275442	50.0	1079817.0	0.385509	Y
6	IC 410-609313/17	100.0	37.688041	50.0	1128610.0	0.37688	Y
7	IC 410-609313/18	300.0	109.012198	50.0	1141514.0	0.363374	Y



09/19/2025

Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

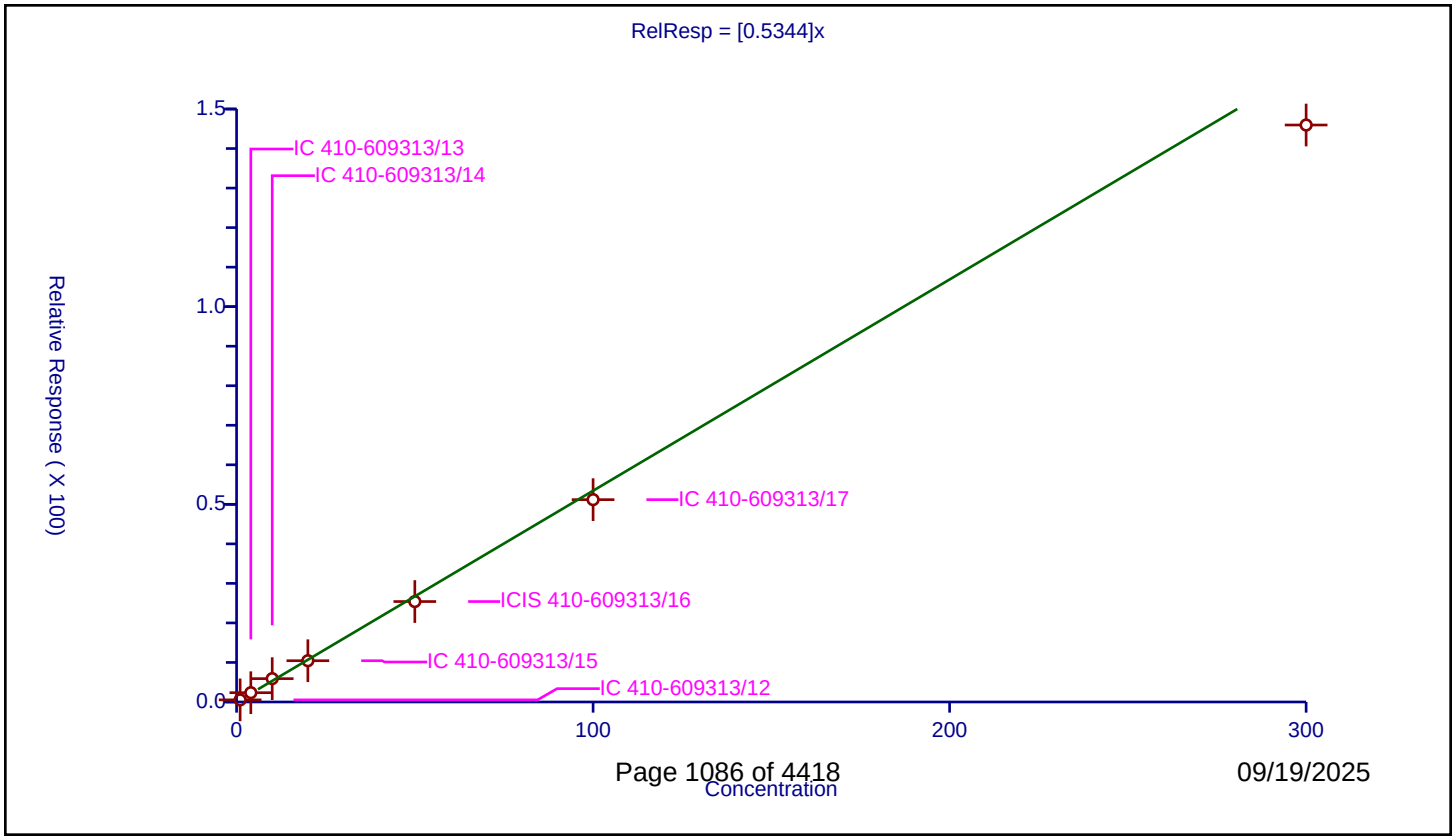
Curve Coefficients

Intercept:	0
Slope:	0.5344

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.533355	50.0	1046208.0	0.533355	Y
2	IC 410-609313/13	4.0	2.352347	50.0	1027017.0	0.588087	Y
3	IC 410-609313/14	10.0	5.907581	50.0	1053460.0	0.590758	Y
4	IC 410-609313/15	20.0	10.44162	50.0	1072731.0	0.522081	Y
5	ICIS 410-609313/16	50.0	25.409583	50.0	1079817.0	0.508192	Y
6	IC 410-609313/17	100.0	51.184377	50.0	1128610.0	0.511844	Y
7	IC 410-609313/18	300.0	145.949371	50.0	1141514.0	0.486498	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

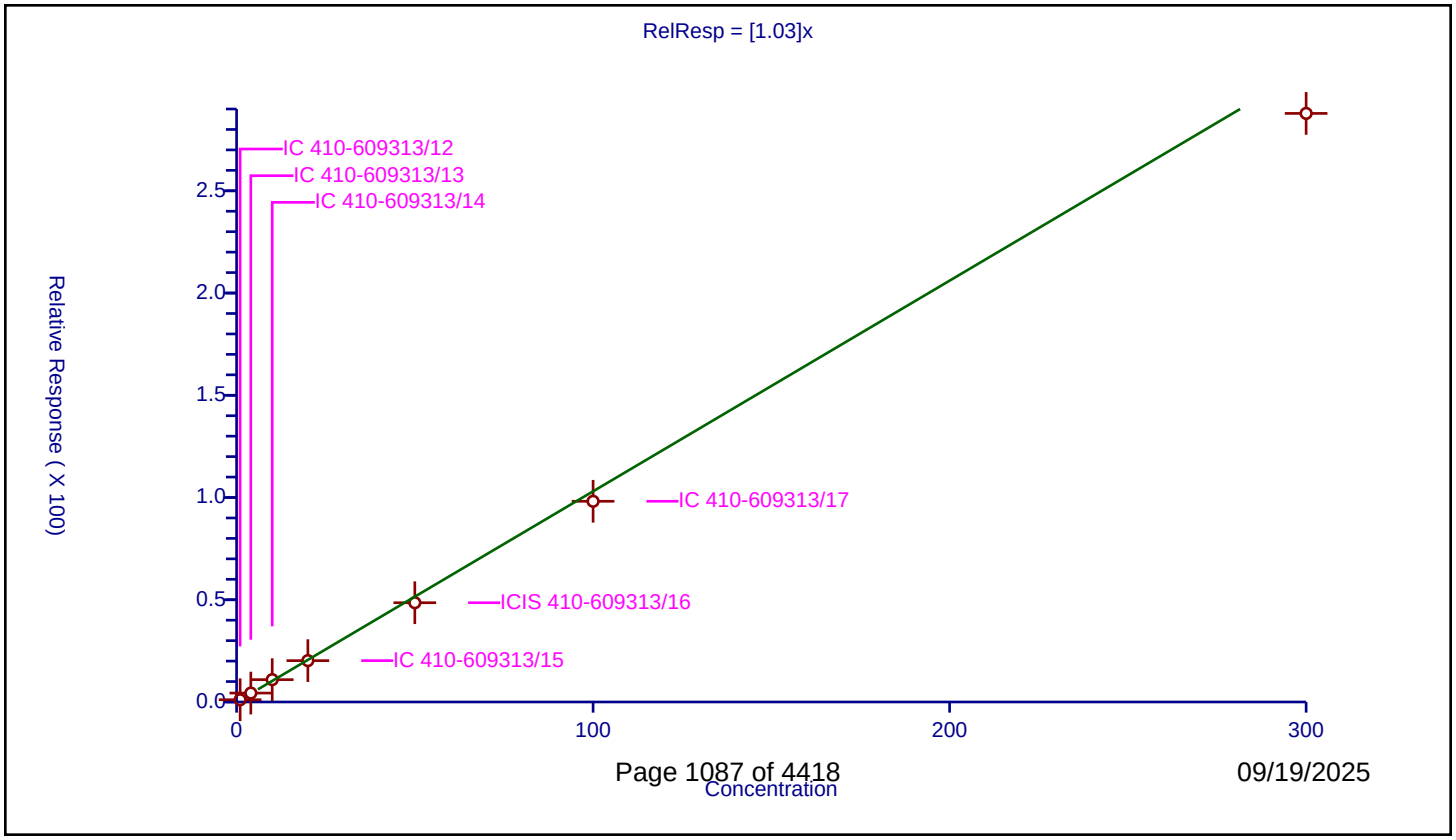
Curve Coefficients

Intercept:	0
Slope:	1.03

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	1.103796	50.0	1046208.0	1.103796	Y
2	IC 410-609313/13	4.0	4.367941	50.0	1027017.0	1.091985	Y
3	IC 410-609313/14	10.0	10.924477	50.0	1053460.0	1.092448	Y
4	IC 410-609313/15	20.0	20.225993	50.0	1072731.0	1.0113	Y
5	ICIS 410-609313/16	50.0	48.551375	50.0	1079817.0	0.971027	Y
6	IC 410-609313/17	100.0	98.153747	50.0	1128610.0	0.981537	Y
7	IC 410-609313/18	300.0	287.848725	50.0	1141514.0	0.959496	Y



Calibration / 2-Chloro-1,3-butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

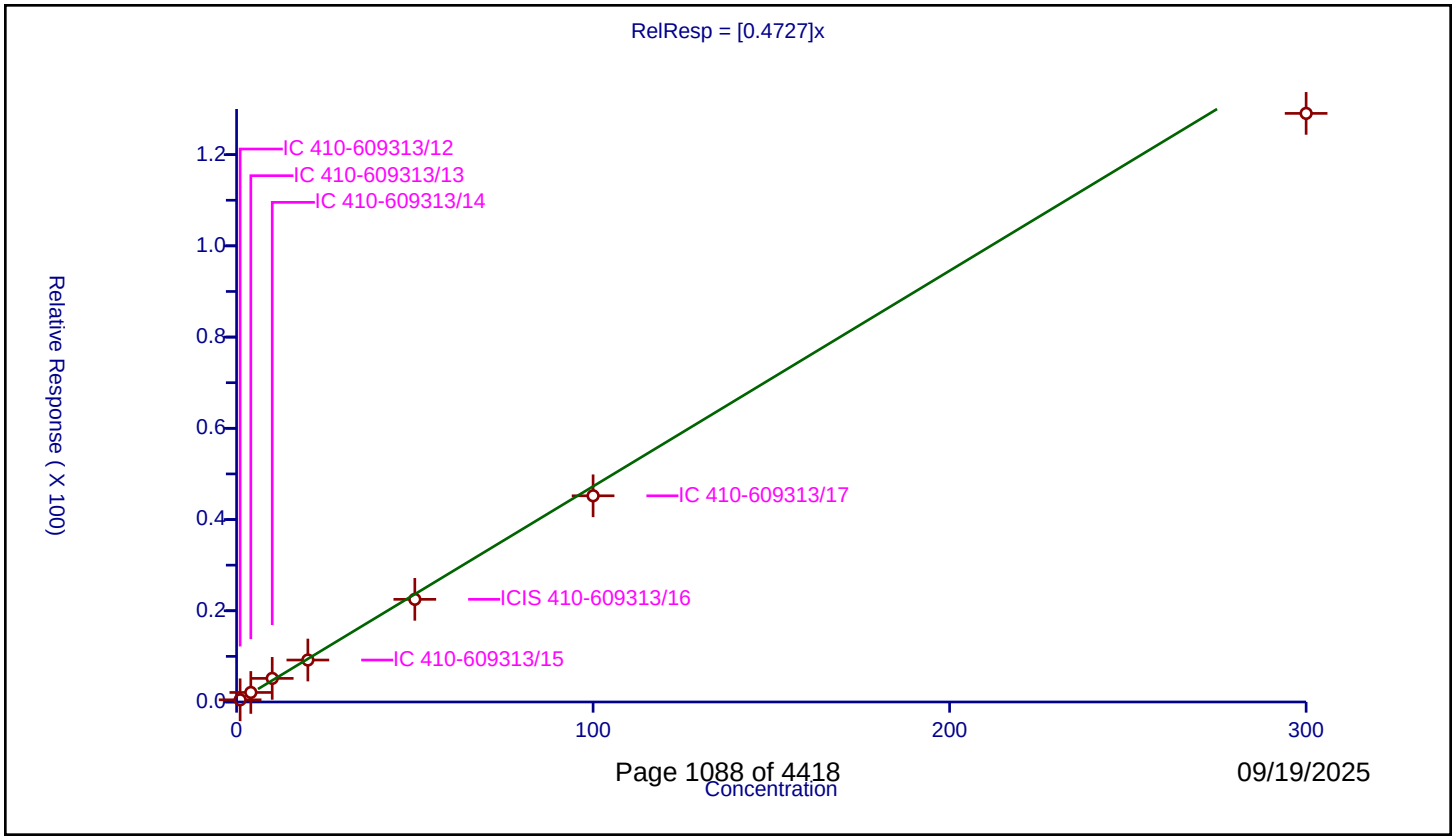
Curve Coefficients

Intercept:	0
Slope:	0.4727

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.477152	50.0	1046208.0	0.477152	Y
2	IC 410-609313/13	4.0	2.087405	50.0	1027017.0	0.521851	Y
3	IC 410-609313/14	10.0	5.174757	50.0	1053460.0	0.517476	Y
4	IC 410-609313/15	20.0	9.201002	50.0	1072731.0	0.46005	Y
5	ICIS 410-609313/16	50.0	22.505897	50.0	1079817.0	0.450118	Y
6	IC 410-609313/17	100.0	45.204189	50.0	1128610.0	0.452042	Y
7	IC 410-609313/18	300.0	129.041212	50.0	1141514.0	0.430137	Y



Calibration / Tert-butyl ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

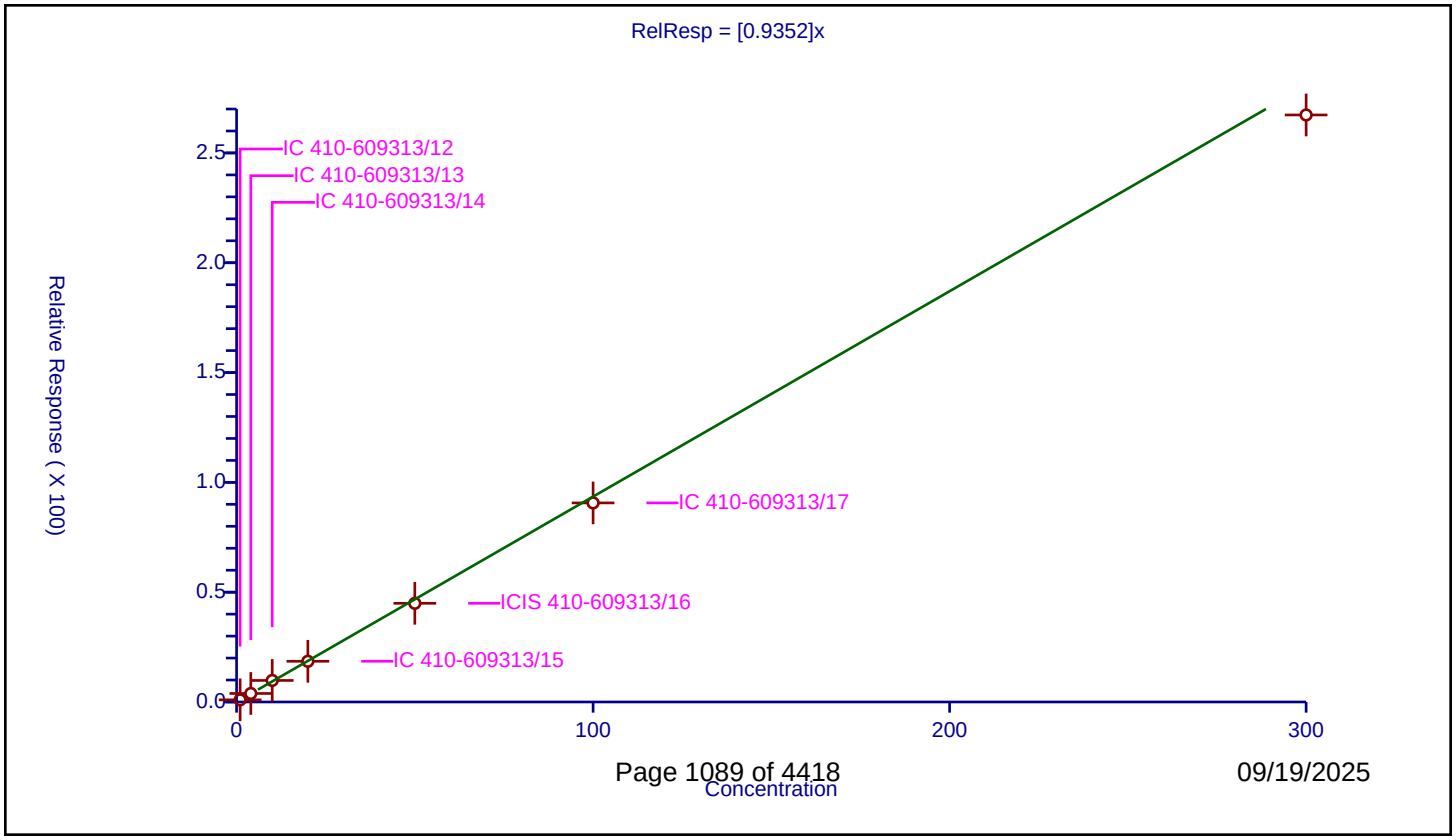
Curve Coefficients

Intercept:	0
Slope:	0.9352

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.973133	50.0	1046208.0	0.973133	Y
2	IC 410-609313/13	4.0	3.879439	50.0	1027017.0	0.96986	Y
3	IC 410-609313/14	10.0	9.800989	50.0	1053460.0	0.980099	Y
4	IC 410-609313/15	20.0	18.537592	50.0	1072731.0	0.92688	Y
5	ICIS 410-609313/16	50.0	44.929743	50.0	1079817.0	0.898595	Y
6	IC 410-609313/17	100.0	90.65213	50.0	1128610.0	0.906521	Y
7	IC 410-609313/18	300.0	267.294707	50.0	1141514.0	0.890982	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

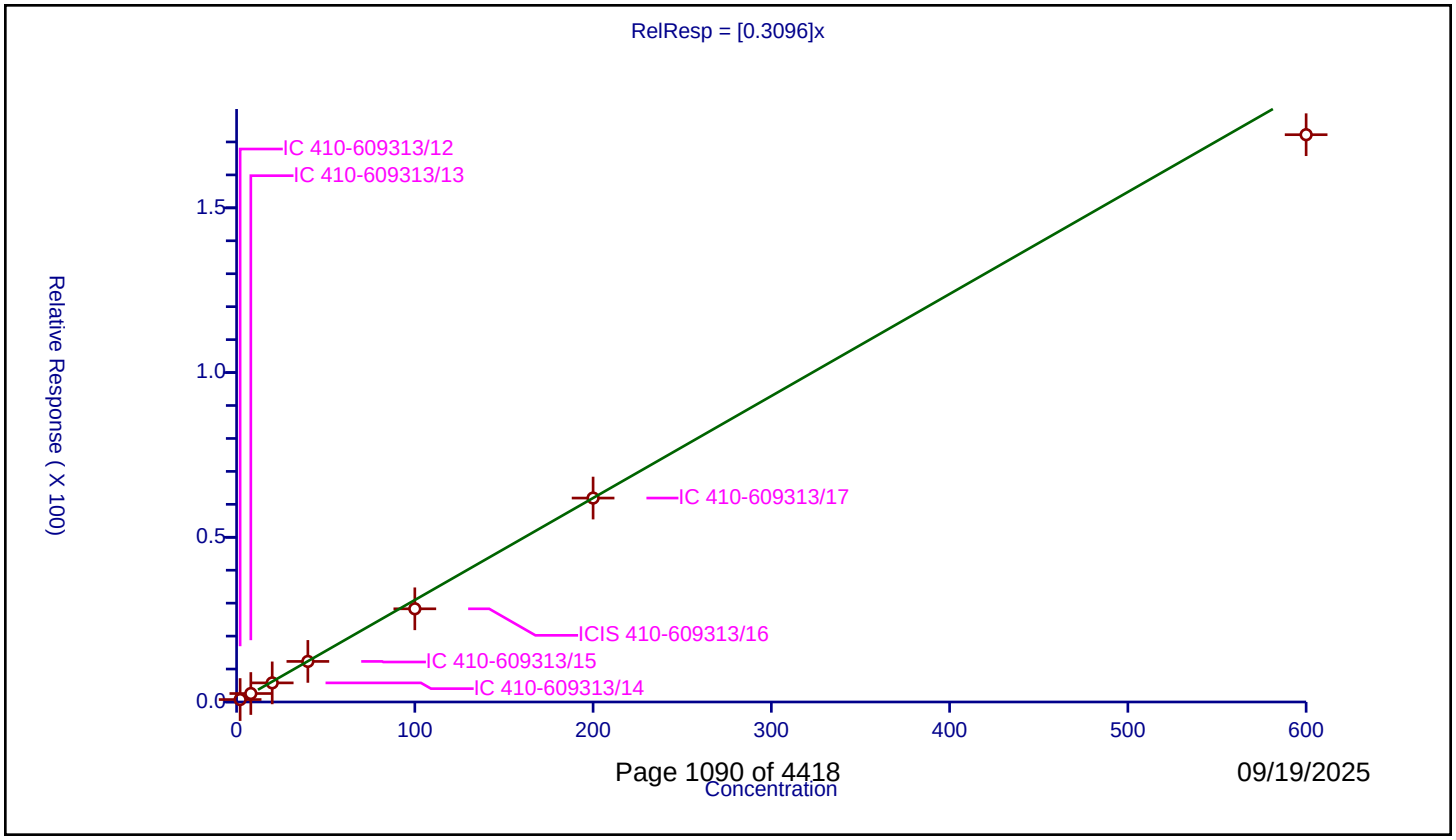
Curve Coefficients

Intercept:	0
Slope:	0.3096

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	2.0	0.736995	50.0	1046208.0	0.368497	Y
2	IC 410-609313/13	8.0	2.571525	50.0	1027017.0	0.321441	Y
3	IC 410-609313/14	20.0	5.803543	50.0	1053460.0	0.290177	Y
4	IC 410-609313/15	40.0	12.312872	50.0	1072731.0	0.307822	Y
5	ICIS 410-609313/16	100.0	28.287339	50.0	1079817.0	0.282873	Y
6	IC 410-609313/17	200.0	61.907656	50.0	1128610.0	0.309538	Y
7	IC 410-609313/18	600.0	172.203933	50.0	1141514.0	0.287007	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

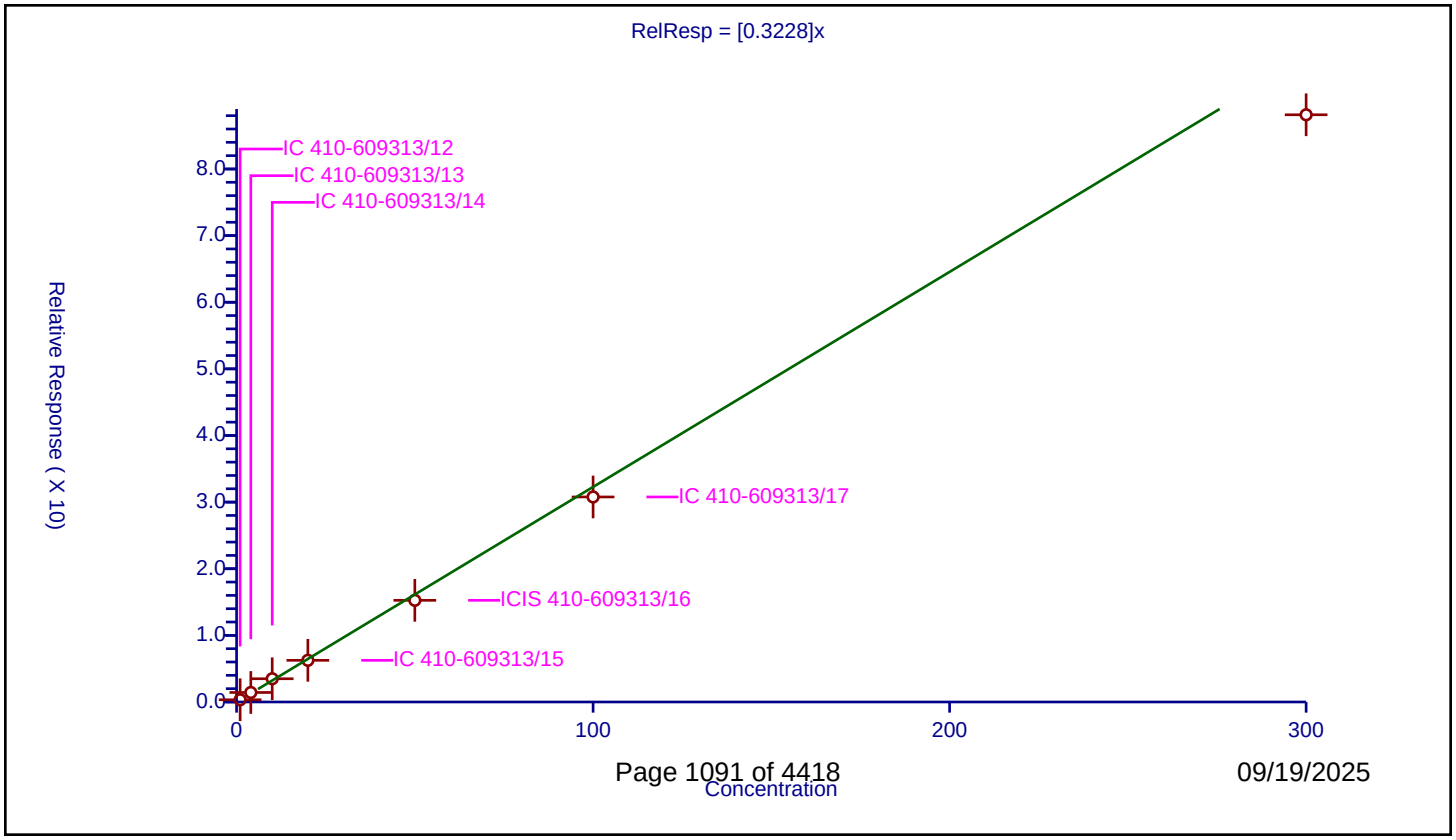
Curve Coefficients

Intercept:	0
Slope:	0.3228

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.334828	50.0	1046208.0	0.334828	Y
2	IC 410-609313/13	4.0	1.425147	50.0	1027017.0	0.356287	Y
3	IC 410-609313/14	10.0	3.488552	50.0	1053460.0	0.348855	Y
4	IC 410-609313/15	20.0	6.254644	50.0	1072731.0	0.312732	Y
5	ICIS 410-609313/16	50.0	15.258882	50.0	1079817.0	0.305178	Y
6	IC 410-609313/17	100.0	30.774581	50.0	1128610.0	0.307746	Y
7	IC 410-609313/18	300.0	88.135362	50.0	1141514.0	0.293785	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

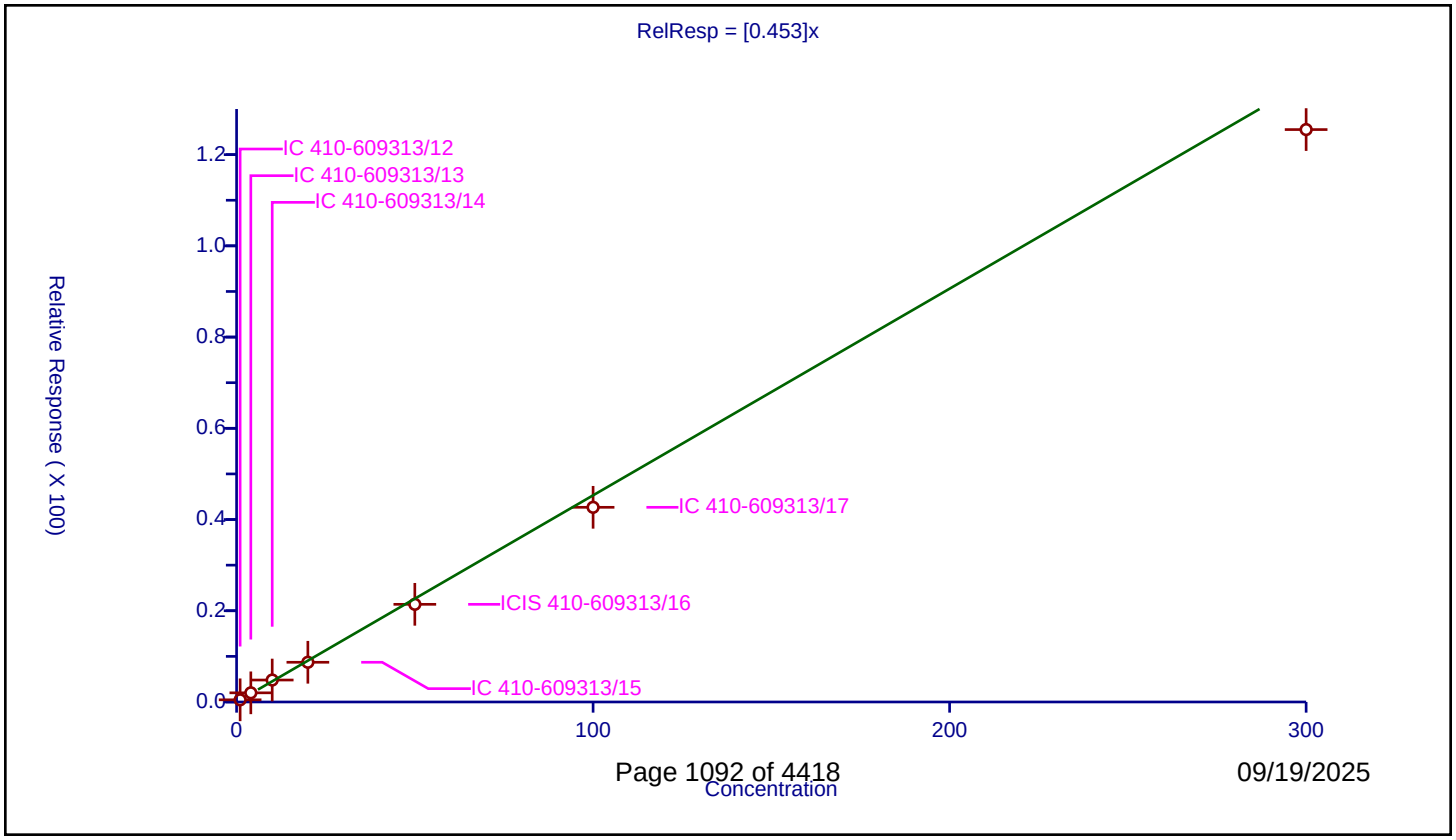
Curve Coefficients

Intercept:	0
Slope:	0.453

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.478777	50.0	1046208.0	0.478777	Y
2	IC 410-609313/13	4.0	2.008487	50.0	1027017.0	0.502122	Y
3	IC 410-609313/14	10.0	4.816937	50.0	1053460.0	0.481694	Y
4	IC 410-609313/15	20.0	8.707682	50.0	1072731.0	0.435384	Y
5	ICIS 410-609313/16	50.0	21.412147	50.0	1079817.0	0.428243	Y
6	IC 410-609313/17	100.0	42.677586	50.0	1128610.0	0.426776	Y
7	IC 410-609313/18	300.0	125.494431	50.0	1141514.0	0.418315	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

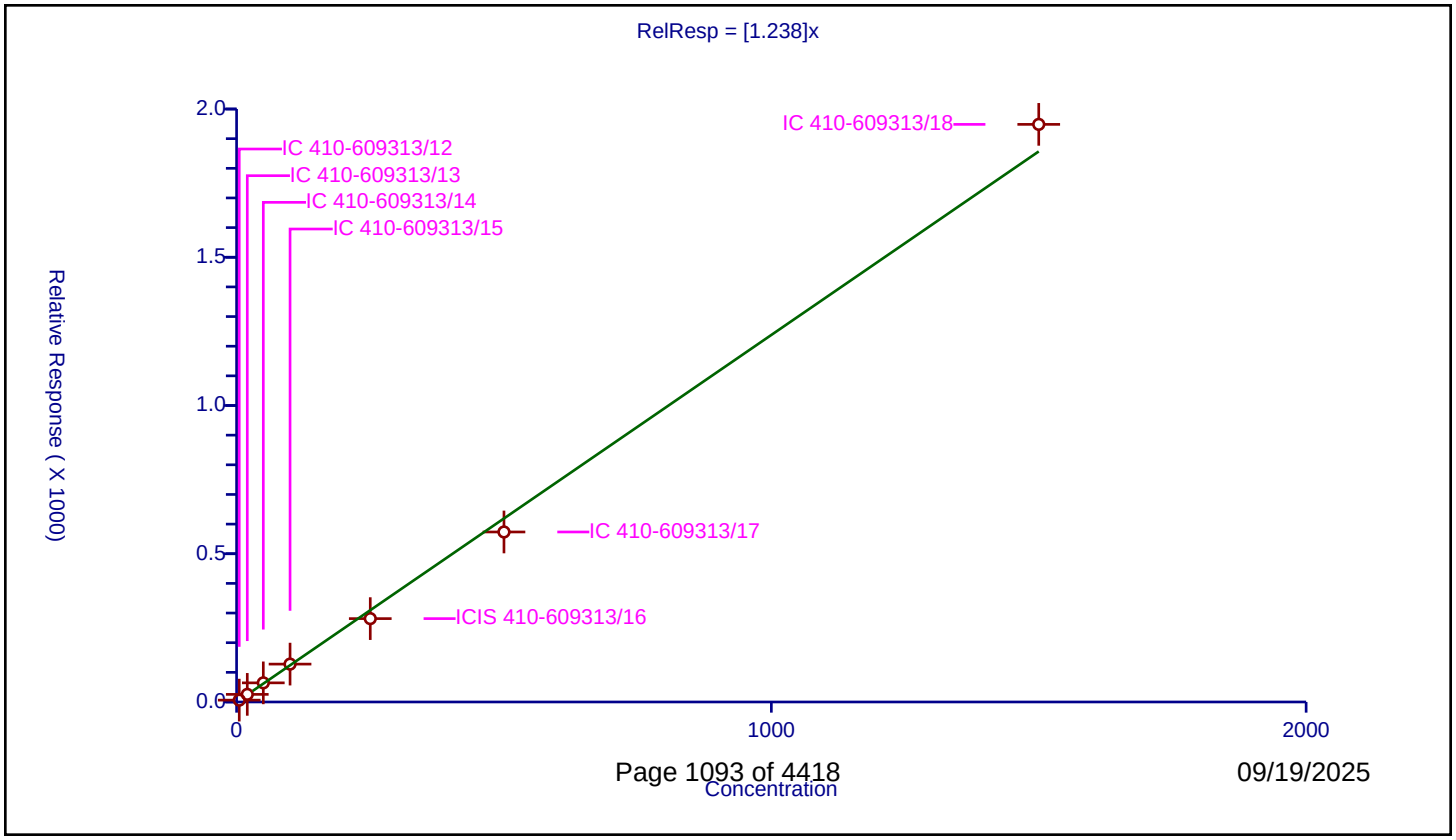
Curve Coefficients

Intercept:	0
Slope:	1.238

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	5.0	6.211355	250.0	389609.0	1.242271	Y
2	IC 410-609313/13	20.0	25.681036	250.0	375861.0	1.284052	Y
3	IC 410-609313/14	50.0	64.557505	250.0	380072.0	1.29115	Y
4	IC 410-609313/15	100.0	127.779994	250.0	383454.0	1.2778	Y
5	ICIS 410-609313/16	250.0	281.193595	250.0	405548.0	1.124774	Y
6	IC 410-609313/17	500.0	573.39512	250.0	403971.0	1.14679	Y
7	IC 410-609313/18	1500.0	1948.226493	250.0	374202.0	1.298818	Y



Calibration / Methyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

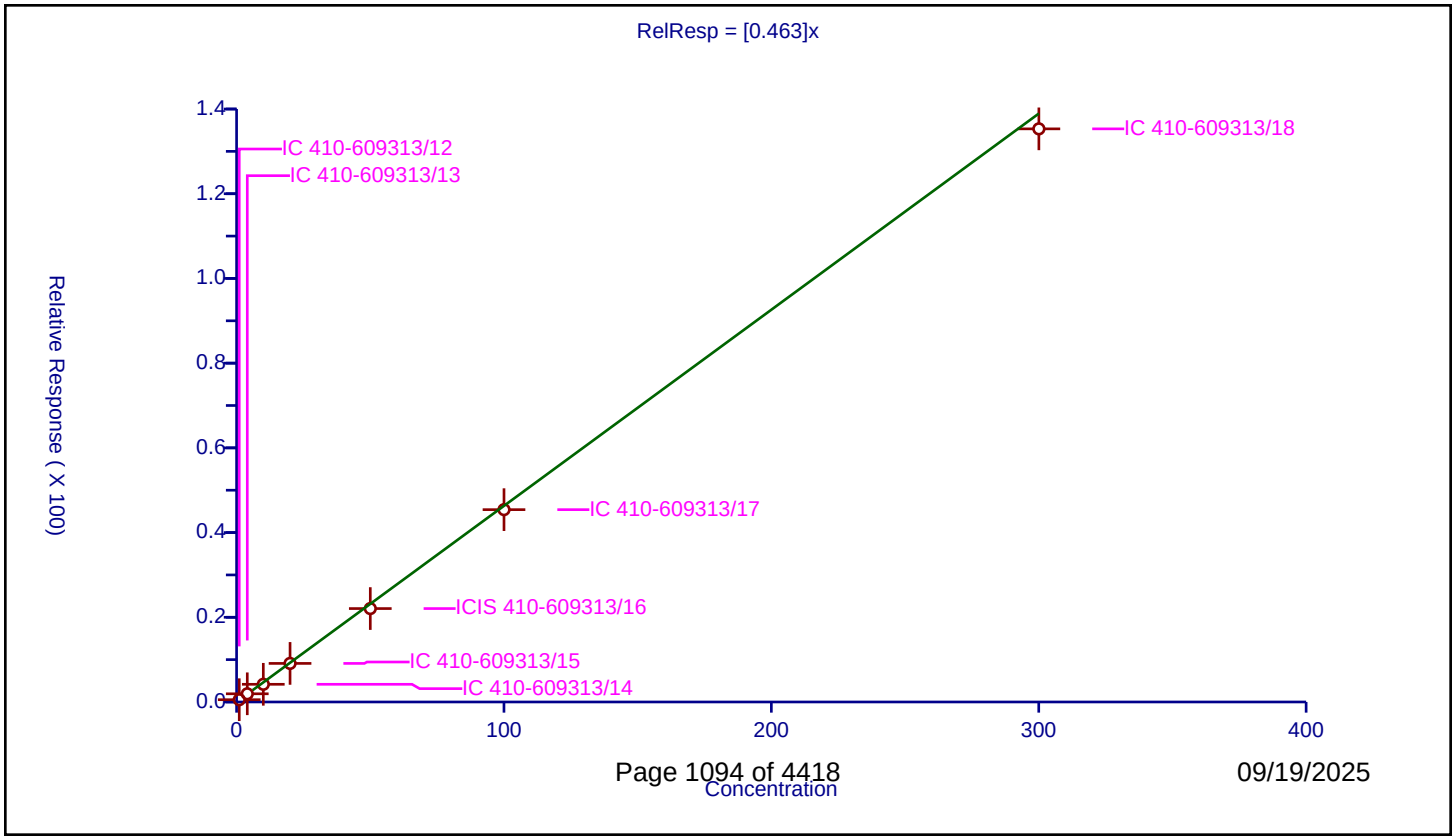
Curve Coefficients

Intercept:	0
Slope:	0.463

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.000186	0.539424	50.0	1046208.0	0.539324	Y
2	IC 410-609313/13	4.000742	1.933853	50.0	1027017.0	0.483374	Y
3	IC 410-609313/14	10.001856	4.174719	50.0	1053460.0	0.417394	Y
4	IC 410-609313/15	20.003712	9.1041	50.0	1072731.0	0.455121	Y
5	ICIS 410-609313/16	50.00928	22.057395	50.0	1079817.0	0.441066	Y
6	IC 410-609313/17	100.01856	45.412499	50.0	1128610.0	0.454041	Y
7	IC 410-609313/18	300.05568	135.317	50.0	1141514.0	0.450973	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

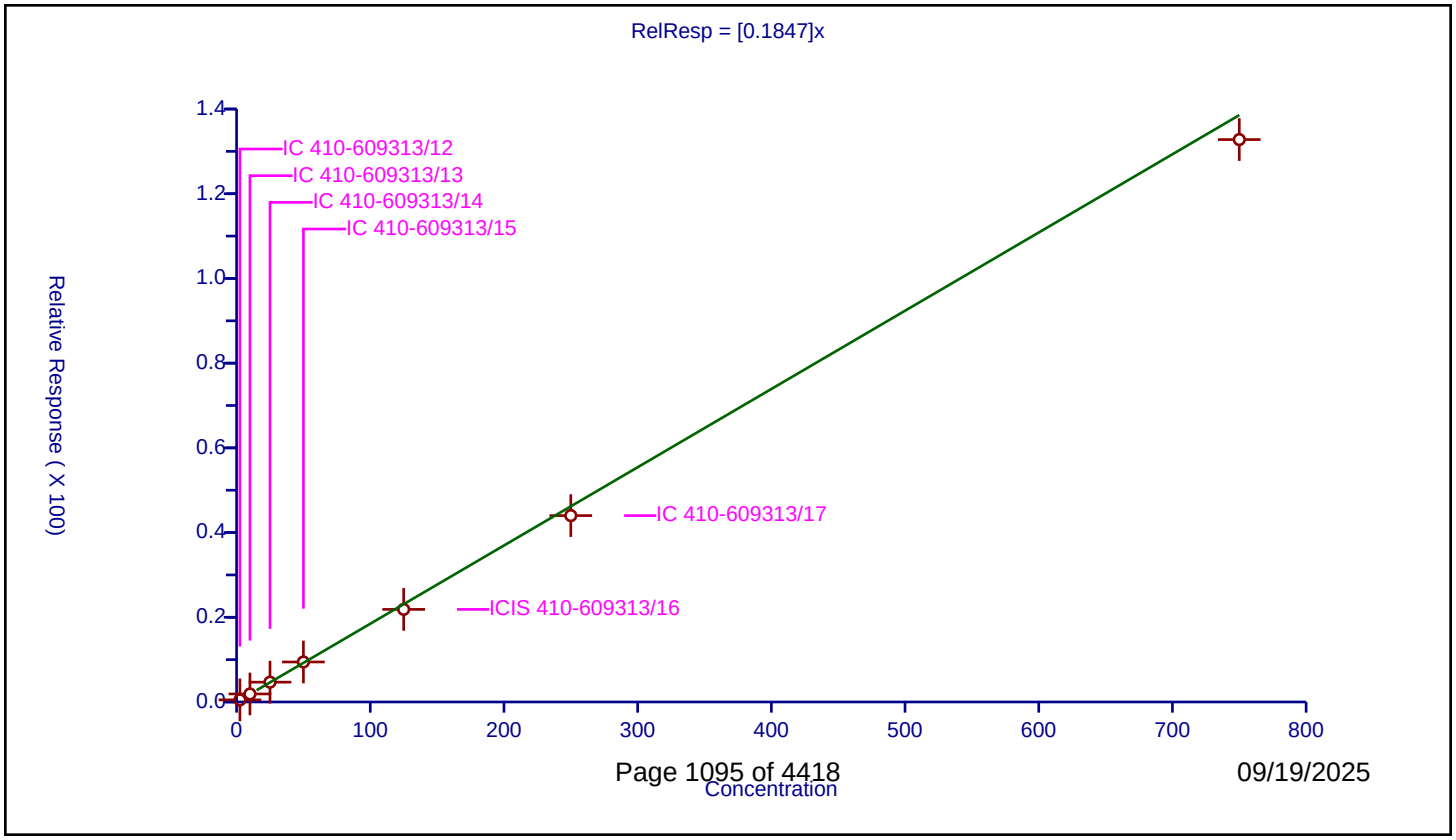
Curve Coefficients

Intercept:	0
Slope:	0.1847

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	2.5	0.498706	50.0	1046208.0	0.199482	Y
2	IC 410-609313/13	10.0	1.896755	50.0	1027017.0	0.189676	Y
3	IC 410-609313/14	25.0	4.678488	50.0	1053460.0	0.18714	Y
4	IC 410-609313/15	50.0	9.444027	50.0	1072731.0	0.188881	Y
5	ICIS 410-609313/16	125.0	21.862871	50.0	1079817.0	0.174903	Y
6	IC 410-609313/17	250.0	44.007319	50.0	1128610.0	0.176029	Y
7	IC 410-609313/18	750.0	132.781727	50.0	1141514.0	0.177042	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

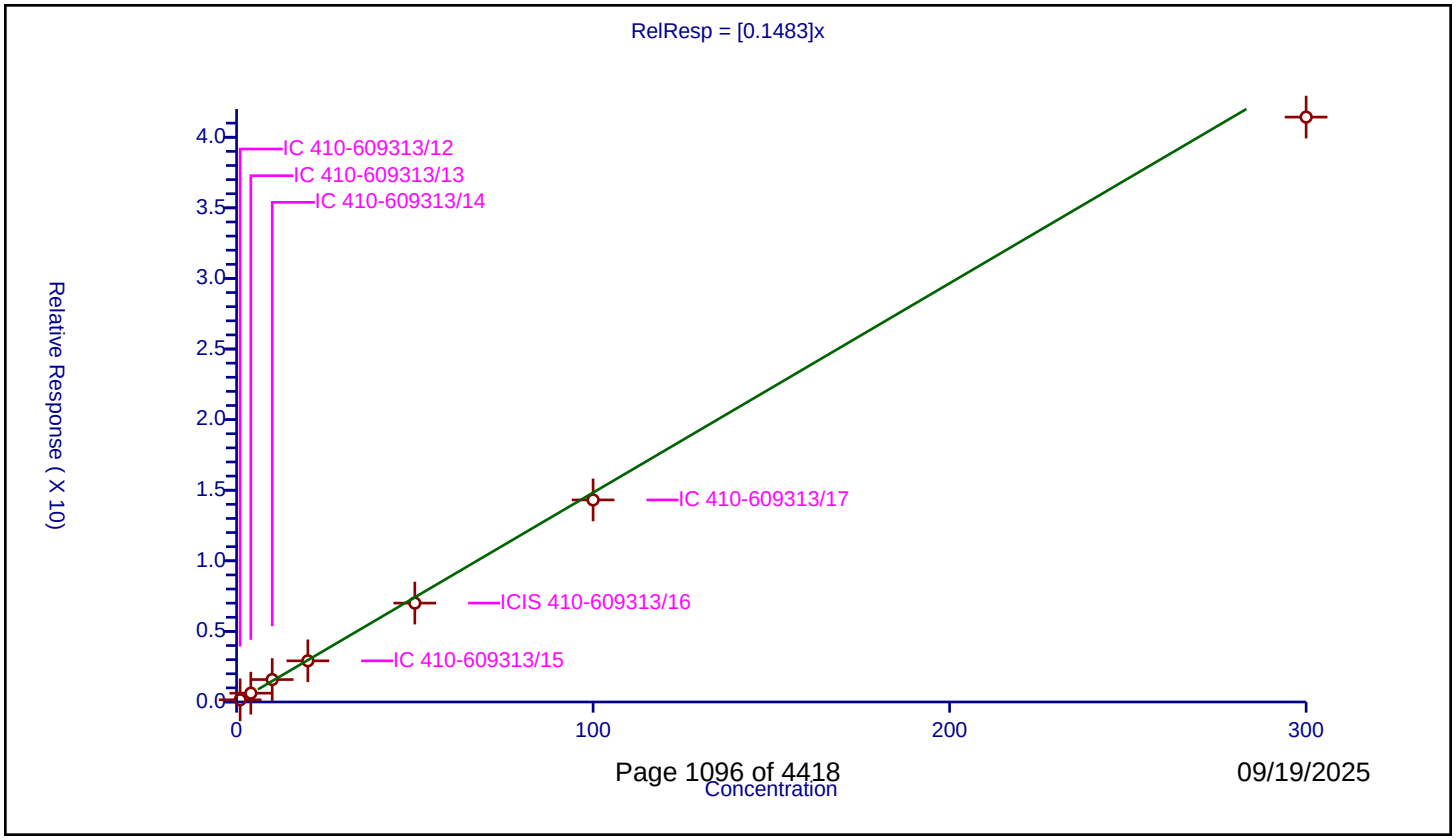
Curve Coefficients

Intercept:	0
Slope:	0.1483

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.155801	50.0	1046208.0	0.155801	Y
2	IC 410-609313/13	4.0	0.624625	50.0	1027017.0	0.156156	Y
3	IC 410-609313/14	10.0	1.589572	50.0	1053460.0	0.158957	Y
4	IC 410-609313/15	20.0	2.91485	50.0	1072731.0	0.145743	Y
5	ICIS 410-609313/16	50.0	7.00452	50.0	1079817.0	0.14009	Y
6	IC 410-609313/17	100.0	14.312207	50.0	1128610.0	0.143122	Y
7	IC 410-609313/18	300.0	41.427394	50.0	1141514.0	0.138091	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

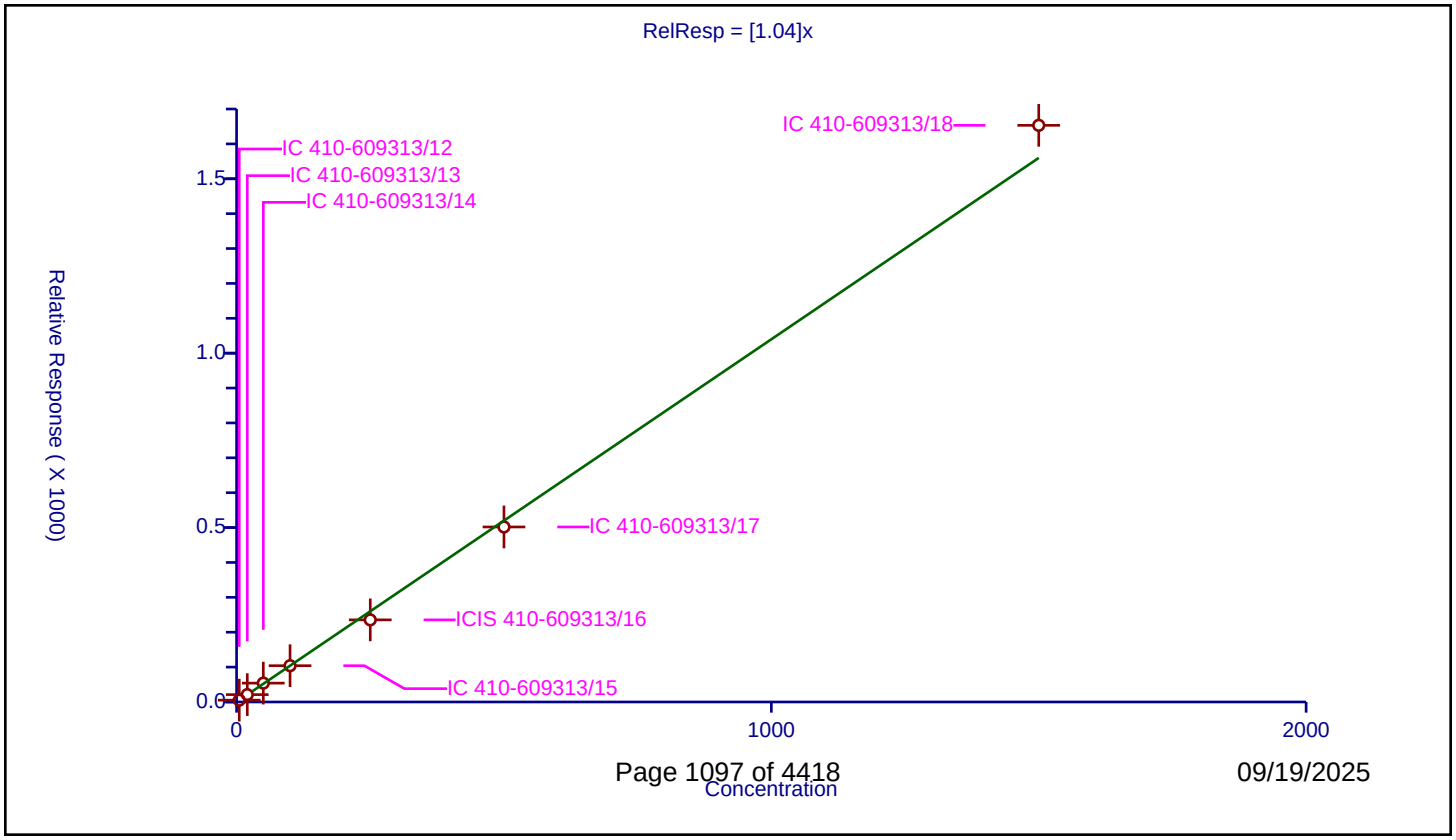
Curve Coefficients

Intercept:	0
Slope:	1.04

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	5.0	5.27131	250.0	389609.0	1.054262	Y
2	IC 410-609313/13	20.0	21.12084	250.0	375861.0	1.056042	Y
3	IC 410-609313/14	50.0	54.080543	250.0	380072.0	1.081611	Y
4	IC 410-609313/15	100.0	103.985093	250.0	383454.0	1.039851	Y
5	ICIS 410-609313/16	250.0	235.401851	250.0	405548.0	0.941607	Y
6	IC 410-609313/17	500.0	501.80211	250.0	403971.0	1.003604	Y
7	IC 410-609313/18	1500.0	1653.193997	250.0	374202.0	1.102129	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

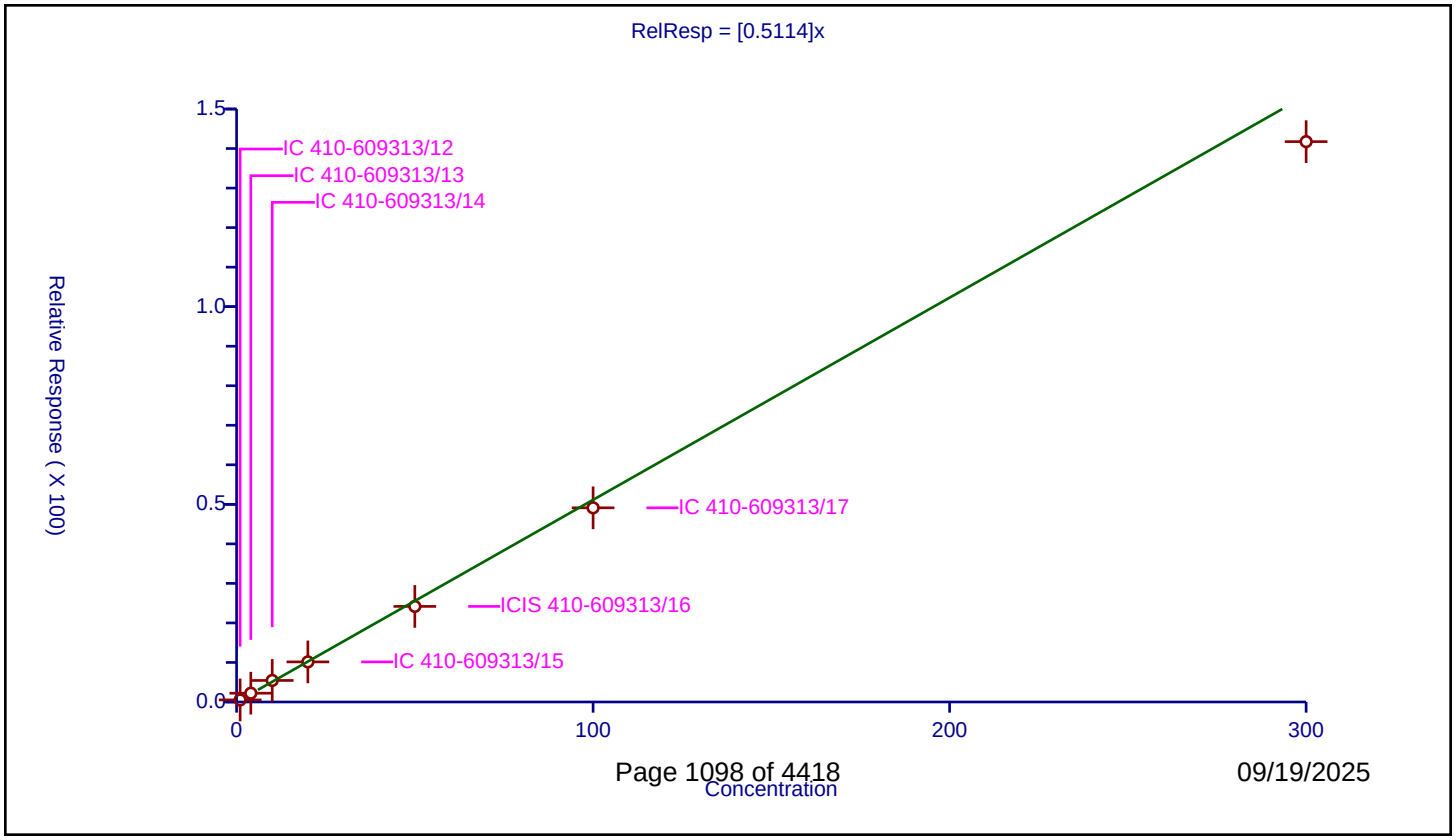
Curve Coefficients

Intercept:	0
Slope:	0.5114

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.524418	50.0	1046208.0	0.524418	Y
2	IC 410-609313/13	4.0	2.225523	50.0	1027017.0	0.556381	Y
3	IC 410-609313/14	10.0	5.446054	50.0	1053460.0	0.544605	Y
4	IC 410-609313/15	20.0	10.140613	50.0	1072731.0	0.507031	Y
5	ICIS 410-609313/16	50.0	24.179699	50.0	1079817.0	0.483594	Y
6	IC 410-609313/17	100.0	49.119005	50.0	1128610.0	0.49119	Y
7	IC 410-609313/18	300.0	141.747451	50.0	1141514.0	0.472492	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

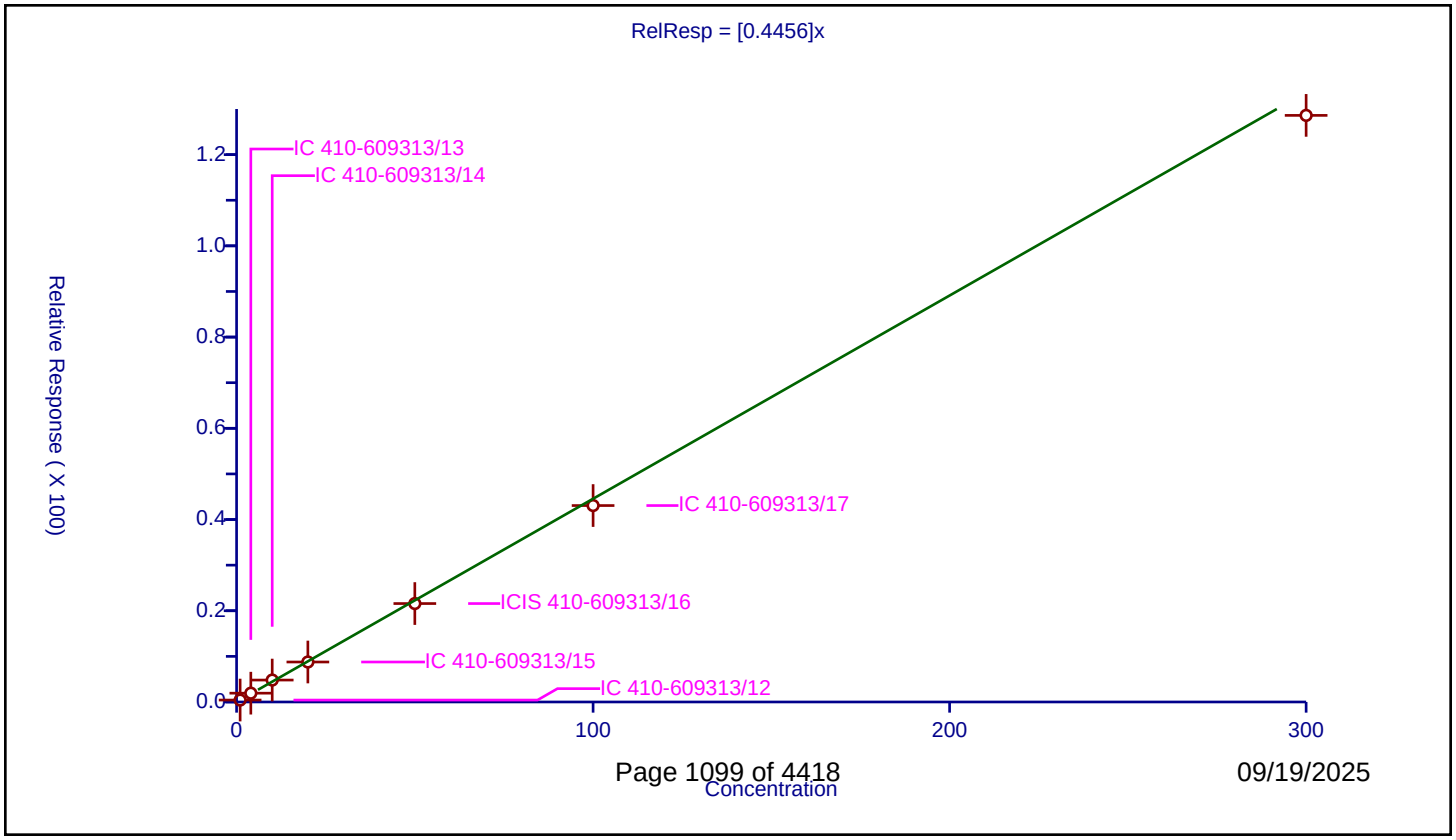
Curve Coefficients

Intercept:	0
Slope:	0.4456

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.425202	50.0	1046208.0	0.425202	Y
2	IC 410-609313/13	4.0	1.933366	50.0	1027017.0	0.483342	Y
3	IC 410-609313/14	10.0	4.811241	50.0	1053460.0	0.481124	Y
4	IC 410-609313/15	20.0	8.764965	50.0	1072731.0	0.438248	Y
5	ICIS 410-609313/16	50.0	21.579119	50.0	1079817.0	0.431582	Y
6	IC 410-609313/17	100.0	43.068376	50.0	1128610.0	0.430684	Y
7	IC 410-609313/18	300.0	128.60473	50.0	1141514.0	0.428682	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

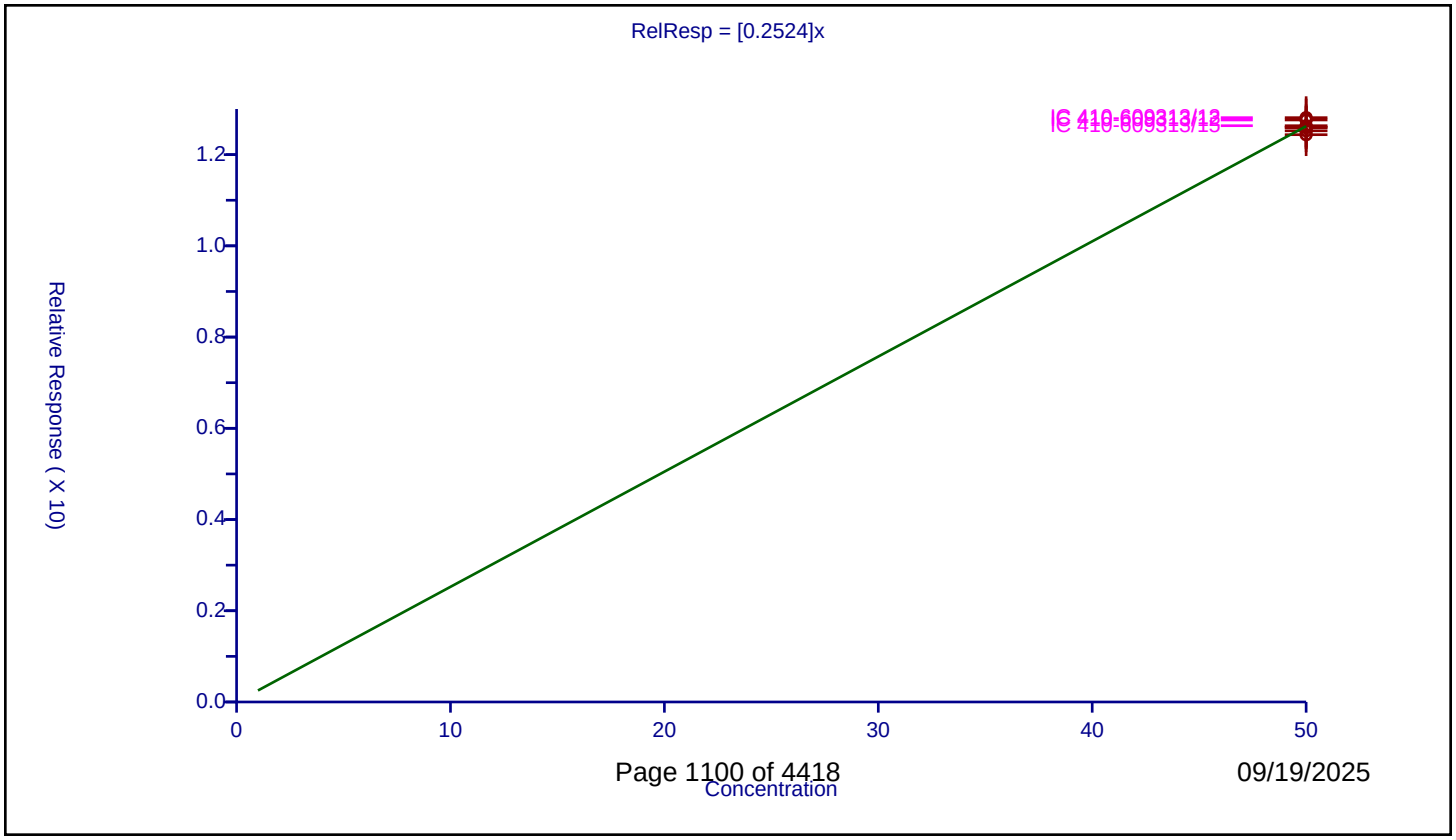
Curve Coefficients

Intercept:	0
Slope:	0.2524

Error Coefficients

Relative Standard Deviation:	1.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	50.0	12.759509	50.0	1046208.0	0.25519	Y
2	IC 410-609313/13	50.0	12.810645	50.0	1027017.0	0.256213	Y
3	IC 410-609313/14	50.0	12.602614	50.0	1053460.0	0.252052	Y
4	IC 410-609313/15	50.0	12.634015	50.0	1072731.0	0.25268	Y
5	ICIS 410-609313/16	50.0	12.436922	50.0	1079817.0	0.248738	Y
6	IC 410-609313/17	50.0	12.522616	50.0	1128610.0	0.250452	Y
7	IC 410-609313/18	50.0	12.589158	50.0	1141514.0	0.251783	Y



09/19/2025

Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

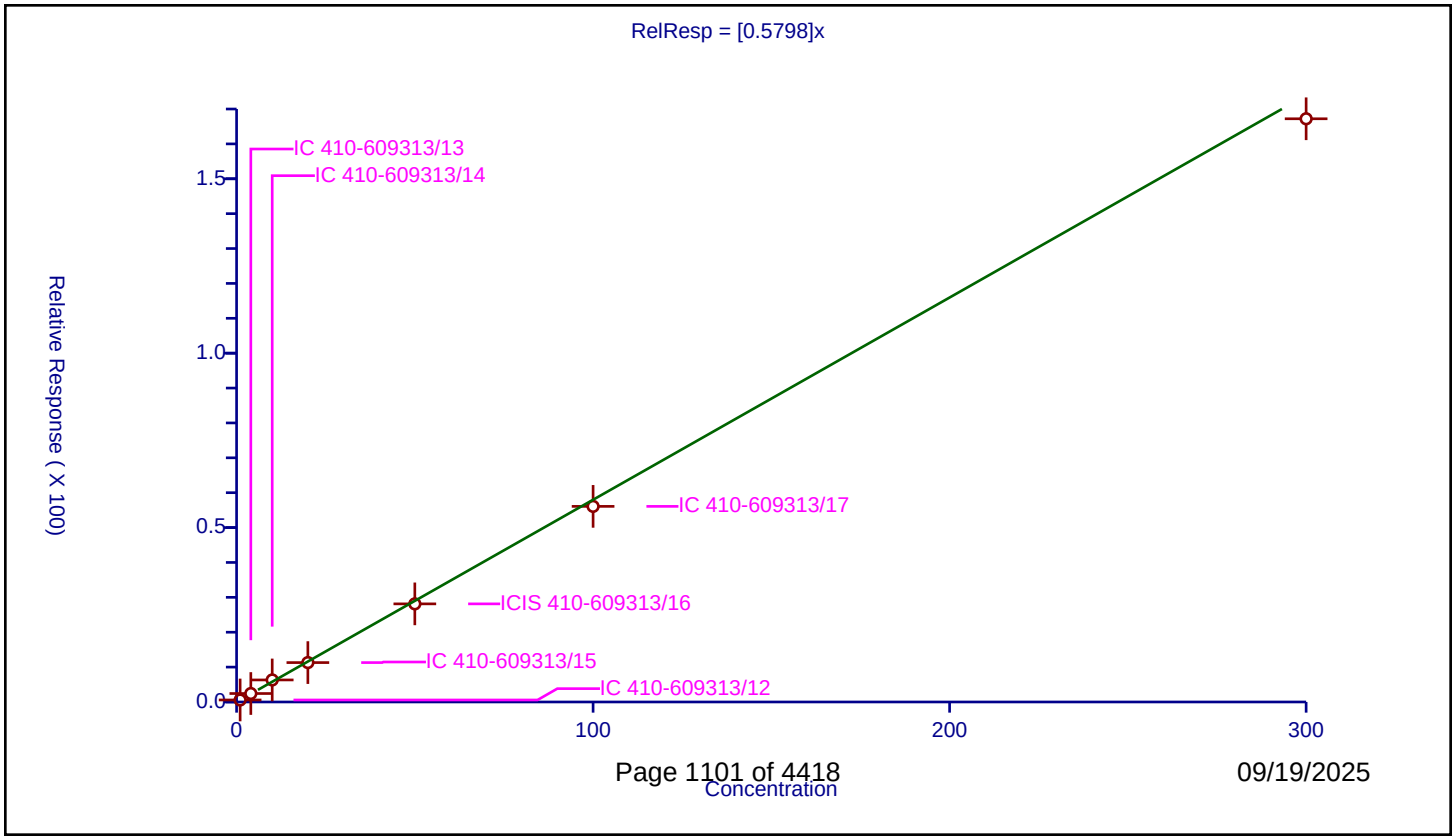
Curve Coefficients

Intercept:	0
Slope:	0.5798

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.575125	50.0	1046208.0	0.575125	Y
2	IC 410-609313/13	4.0	2.423572	50.0	1027017.0	0.605893	Y
3	IC 410-609313/14	10.0	6.319509	50.0	1053460.0	0.631951	Y
4	IC 410-609313/15	20.0	11.297101	50.0	1072731.0	0.564855	Y
5	ICIS 410-609313/16	50.0	28.128979	50.0	1079817.0	0.56258	Y
6	IC 410-609313/17	100.0	56.077963	50.0	1128610.0	0.56078	Y
7	IC 410-609313/18	300.0	167.198738	50.0	1141514.0	0.557329	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

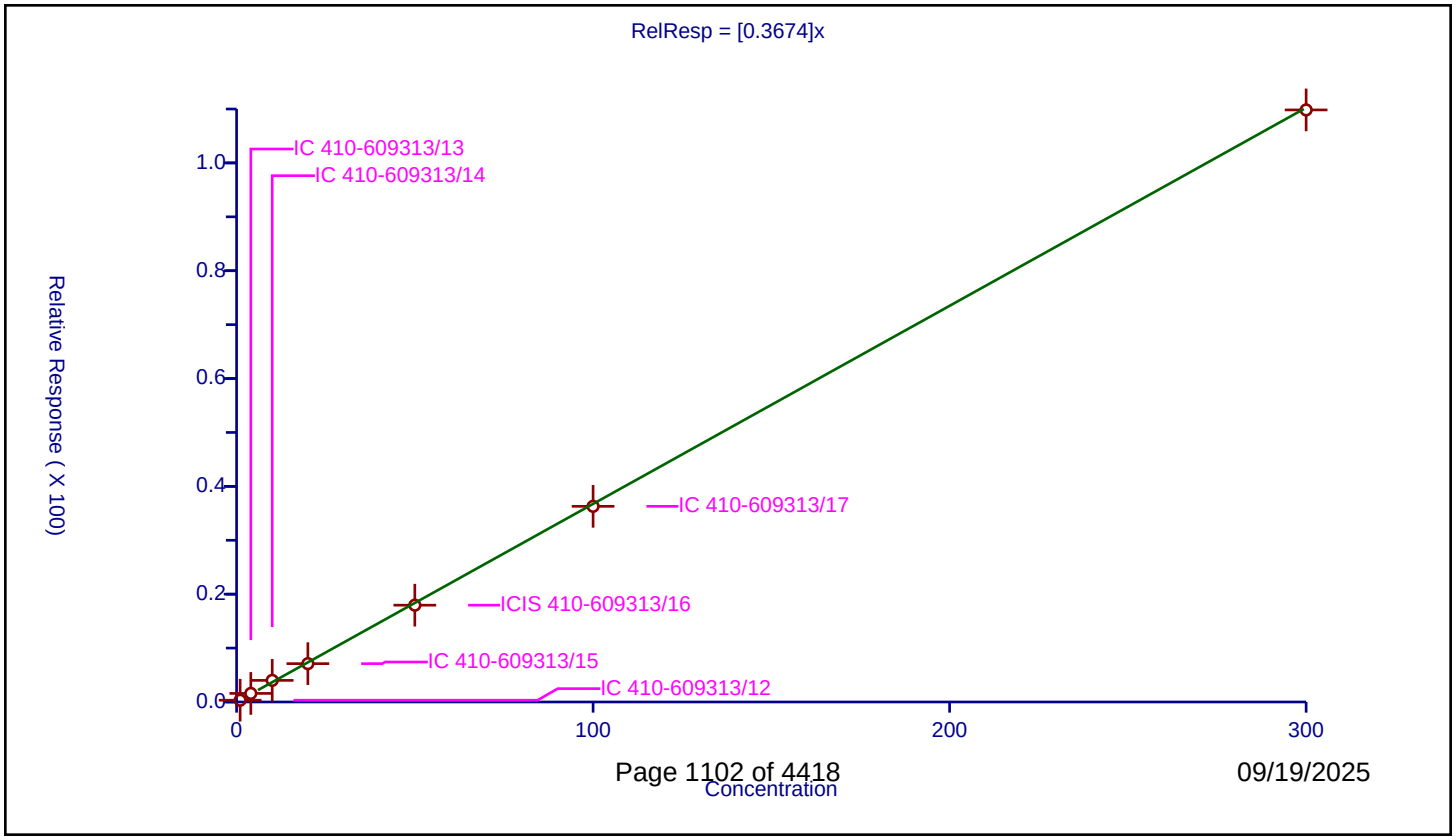
Curve Coefficients

Intercept:	0
Slope:	0.3674

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.330479	50.0	1046208.0	0.330479	Y
2	IC 410-609313/13	4.0	1.588094	50.0	1027017.0	0.397024	Y
3	IC 410-609313/14	10.0	4.009312	50.0	1053460.0	0.400931	Y
4	IC 410-609313/15	20.0	7.109518	50.0	1072731.0	0.355476	Y
5	ICIS 410-609313/16	50.0	17.958691	50.0	1079817.0	0.359174	Y
6	IC 410-609313/17	100.0	36.295	50.0	1128610.0	0.36295	Y
7	IC 410-609313/18	300.0	109.83203	50.0	1141514.0	0.366107	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

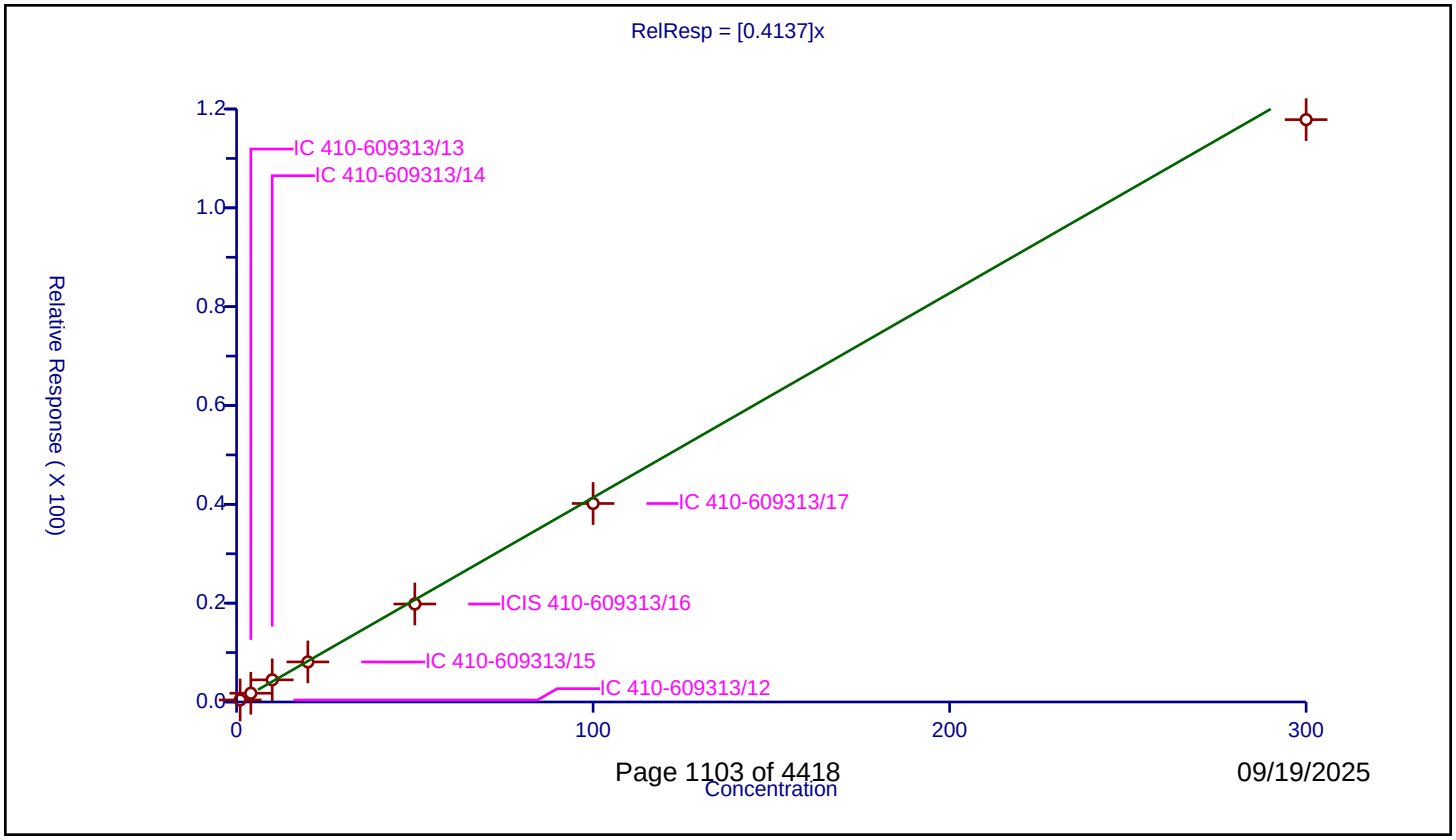
Curve Coefficients

Intercept:	0
Slope:	0.4137

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.408714	50.0	1046208.0	0.408714	Y
2	IC 410-609313/13	4.0	1.771879	50.0	1027017.0	0.44297	Y
3	IC 410-609313/14	10.0	4.475016	50.0	1053460.0	0.447502	Y
4	IC 410-609313/15	20.0	8.106413	50.0	1072731.0	0.405321	Y
5	ICIS 410-609313/16	50.0	19.829934	50.0	1079817.0	0.396599	Y
6	IC 410-609313/17	100.0	40.171716	50.0	1128610.0	0.401717	Y
7	IC 410-609313/18	300.0	117.850372	50.0	1141514.0	0.392835	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

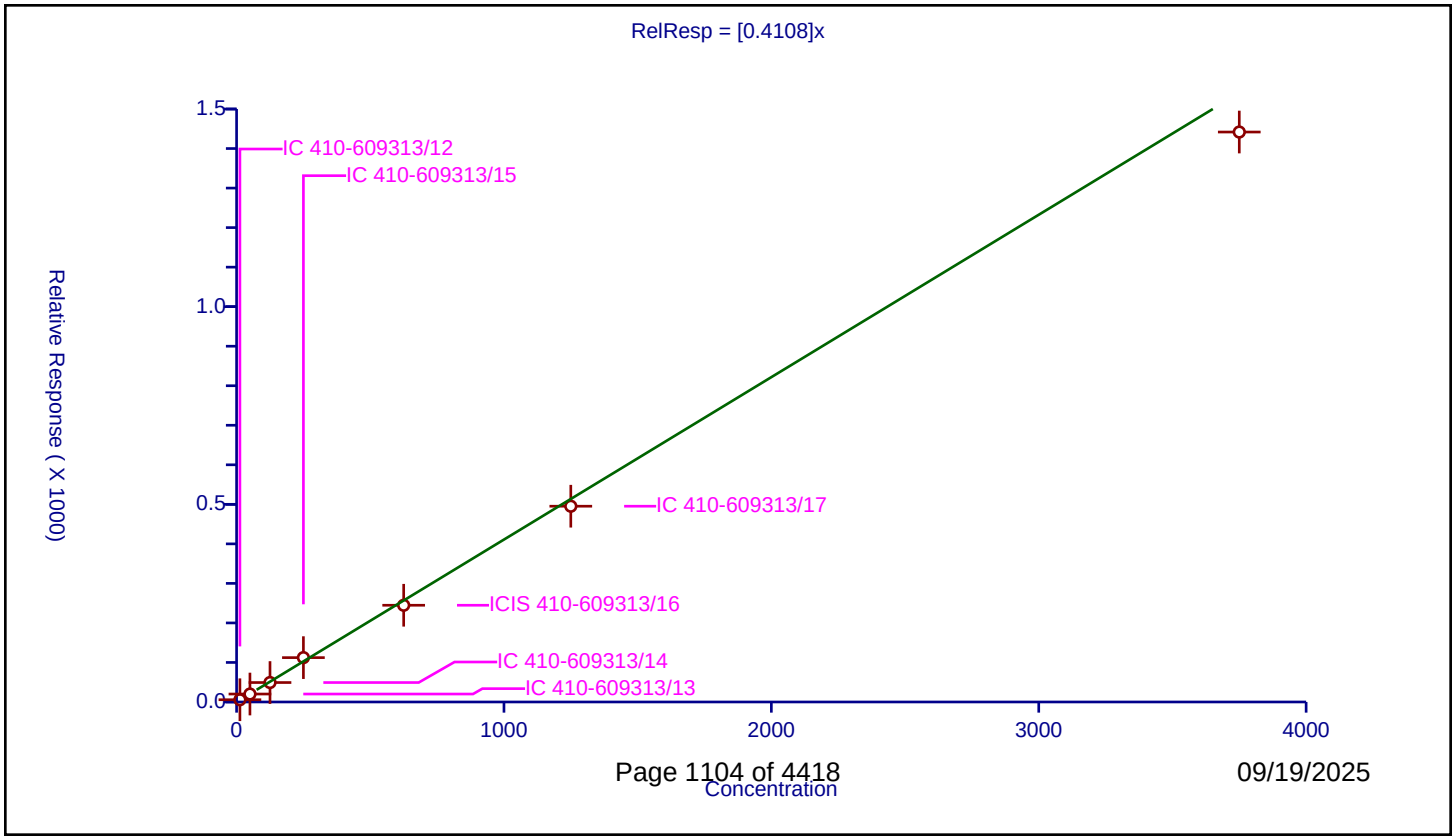
Curve Coefficients

Intercept:	0
Slope:	0.4108

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	12.5	5.732029	250.0	389609.0	0.458562	Y
2	IC 410-609313/13	50.0	20.117144	250.0	375861.0	0.402343	Y
3	IC 410-609313/14	125.0	49.22883	250.0	380072.0	0.393831	Y
4	IC 410-609313/15	250.0	112.240973	250.0	383454.0	0.448964	Y
5	ICIS 410-609313/16	625.0	244.700997	250.0	405548.0	0.391522	Y
6	IC 410-609313/17	1250.0	495.201388	250.0	403971.0	0.396161	Y
7	IC 410-609313/18	3750.0	1441.790129	250.0	374202.0	0.384477	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

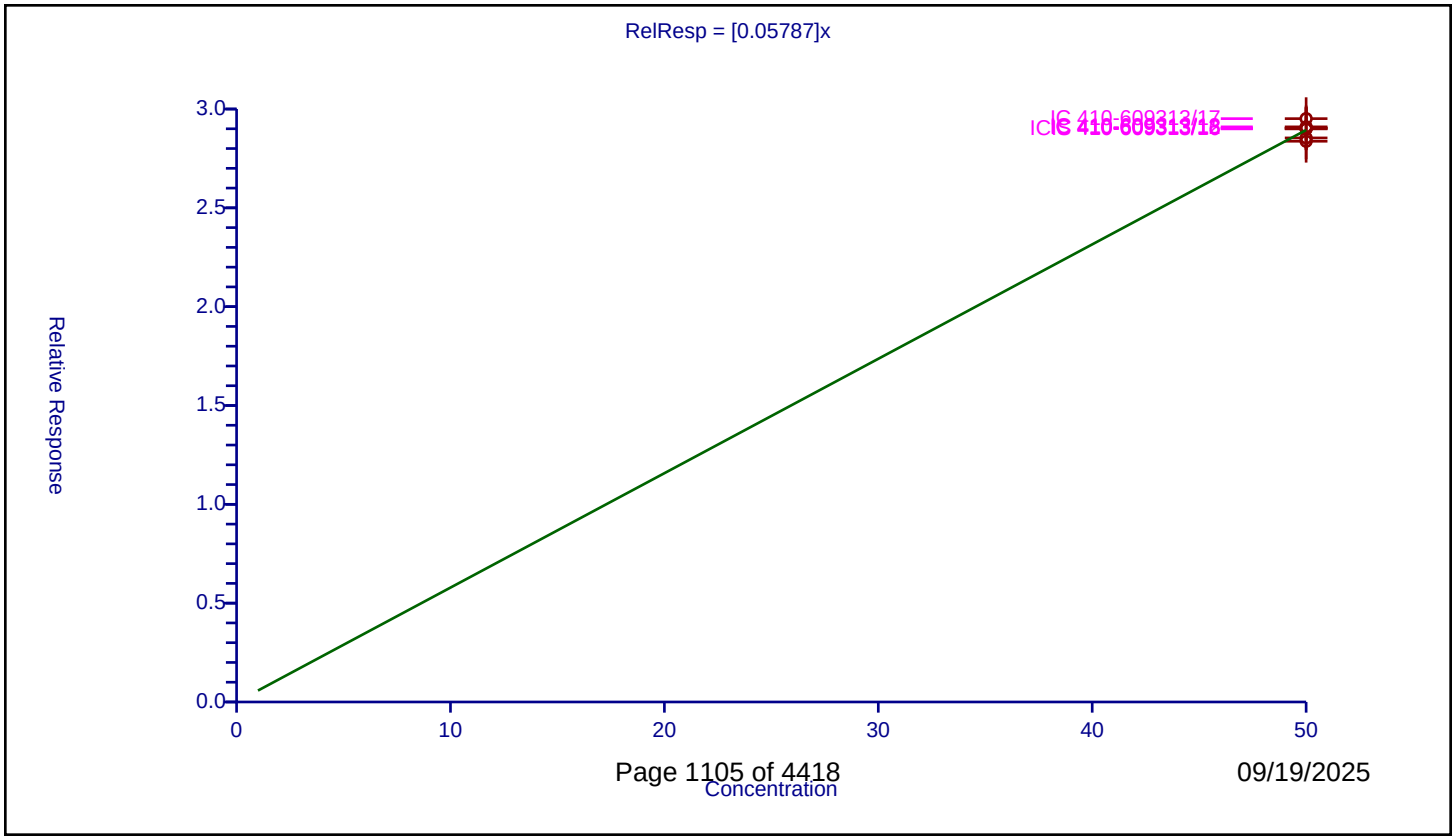
Curve Coefficients

Intercept:	0
Slope:	0.05787

Error Coefficients

Relative Standard Deviation:	1.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	50.0	2.903772	50.0	1046208.0	0.058075	Y
2	IC 410-609313/13	50.0	2.901315	50.0	1027017.0	0.058026	Y
3	IC 410-609313/14	50.0	2.853739	50.0	1053460.0	0.057075	Y
4	IC 410-609313/15	50.0	2.836825	50.0	1072731.0	0.056736	Y
5	ICIS 410-609313/16	50.0	2.899519	50.0	1079817.0	0.05799	Y
6	IC 410-609313/17	50.0	2.951241	50.0	1128610.0	0.059025	Y
7	IC 410-609313/18	50.0	2.909688	50.0	1141514.0	0.058194	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

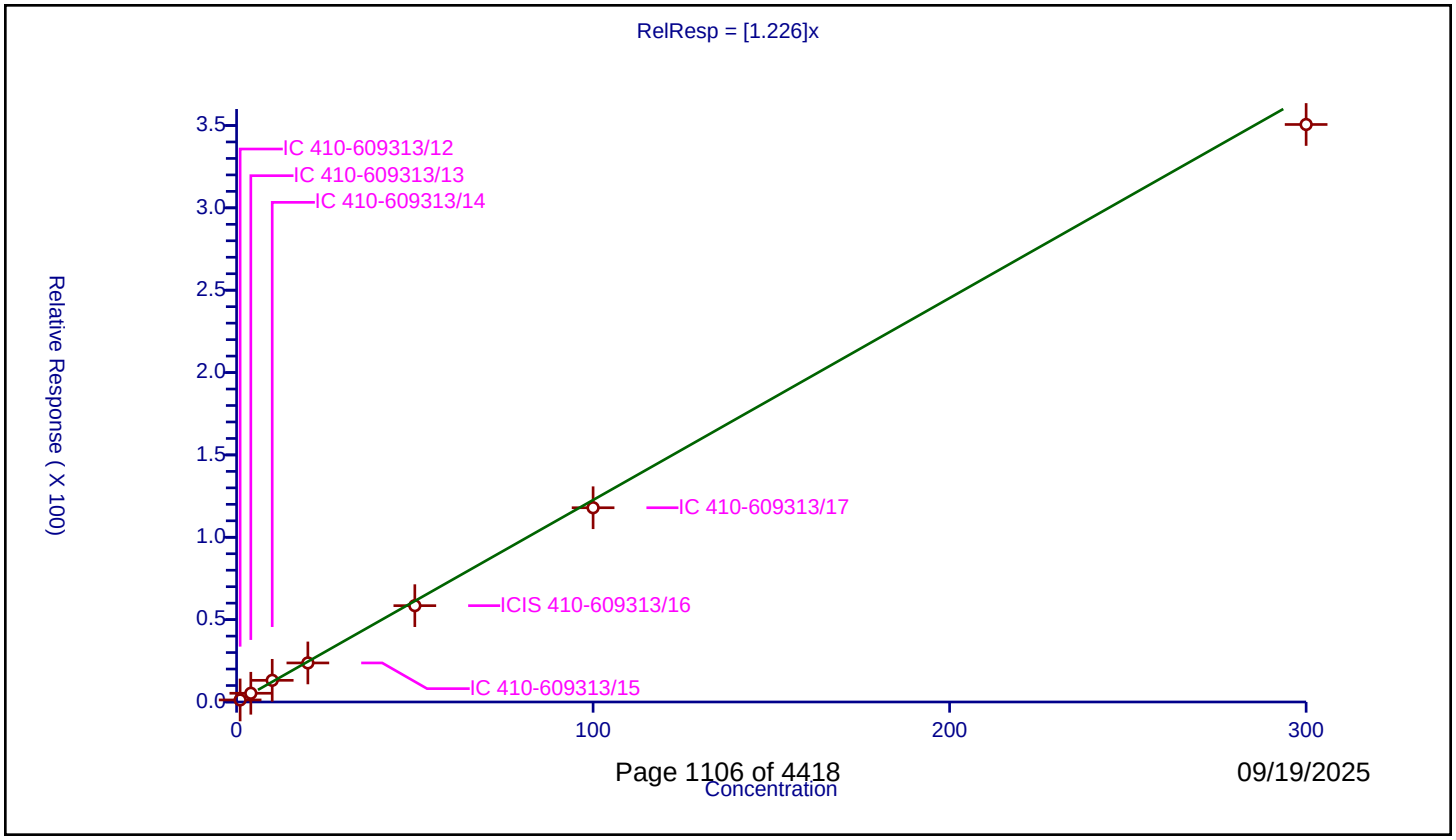
Curve Coefficients

Intercept:	0
Slope:	1.226

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	1.240193	50.0	1046208.0	1.240193	Y
2	IC 410-609313/13	4.0	5.299425	50.0	1027017.0	1.324856	Y
3	IC 410-609313/14	10.0	13.152801	50.0	1053460.0	1.31528	Y
4	IC 410-609313/15	20.0	23.704265	50.0	1072731.0	1.185213	Y
5	ICIS 410-609313/16	50.0	58.486021	50.0	1079817.0	1.16972	Y
6	IC 410-609313/17	100.0	117.935203	50.0	1128610.0	1.179352	Y
7	IC 410-609313/18	300.0	350.615104	50.0	1141514.0	1.168717	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

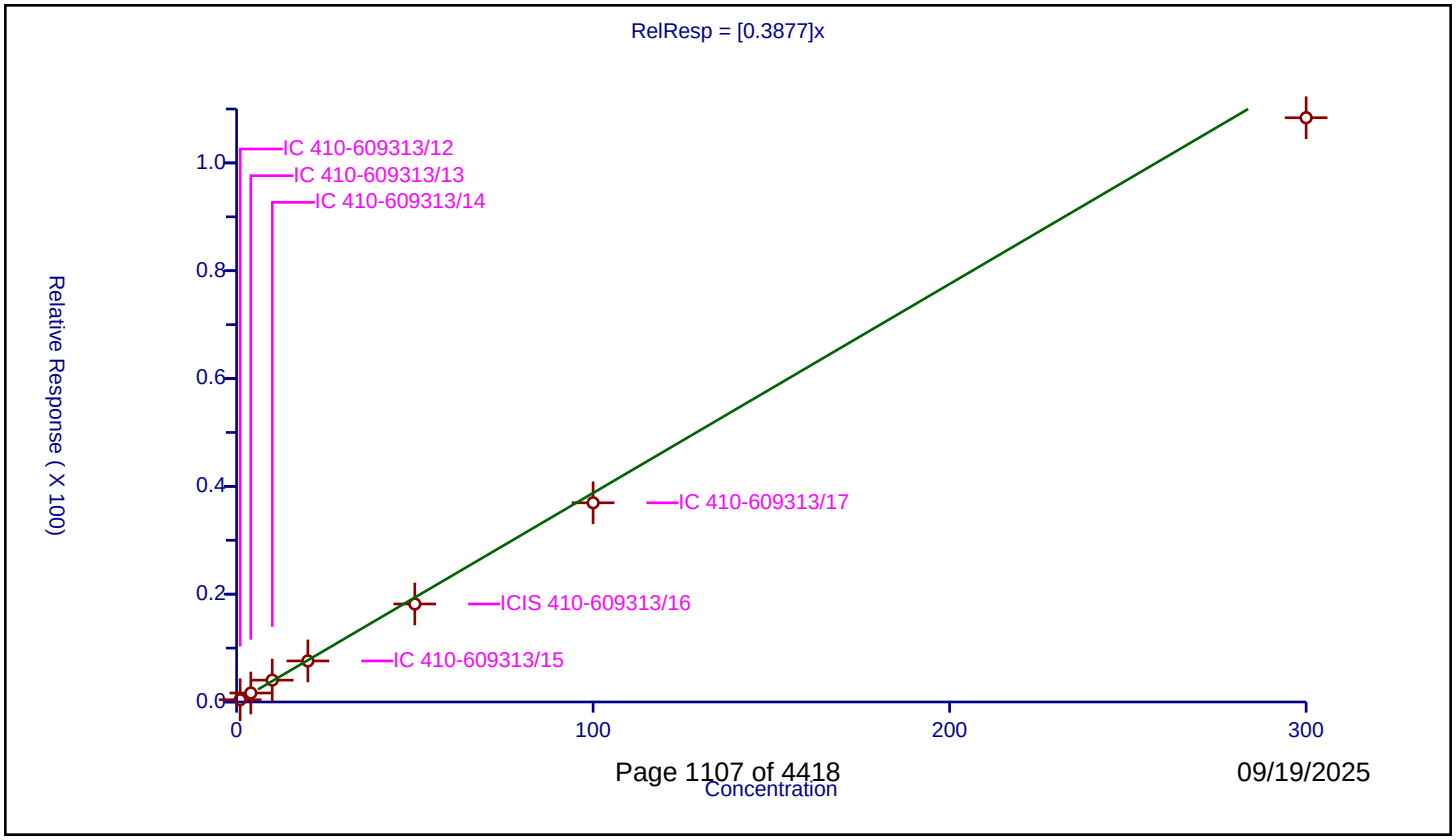
Curve Coefficients

Intercept:	0
Slope:	0.3877

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.416456	50.0	1046208.0	0.416456	Y
2	IC 410-609313/13	4.0	1.666769	50.0	1027017.0	0.416692	Y
3	IC 410-609313/14	10.0	4.053832	50.0	1053460.0	0.405383	Y
4	IC 410-609313/15	20.0	7.617474	50.0	1072731.0	0.380874	Y
5	ICIS 410-609313/16	50.0	18.180812	50.0	1079817.0	0.363616	Y
6	IC 410-609313/17	100.0	36.950098	50.0	1128610.0	0.369501	Y
7	IC 410-609313/18	300.0	108.38023	50.0	1141514.0	0.361267	Y



Calibration / Tert-amyl methyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

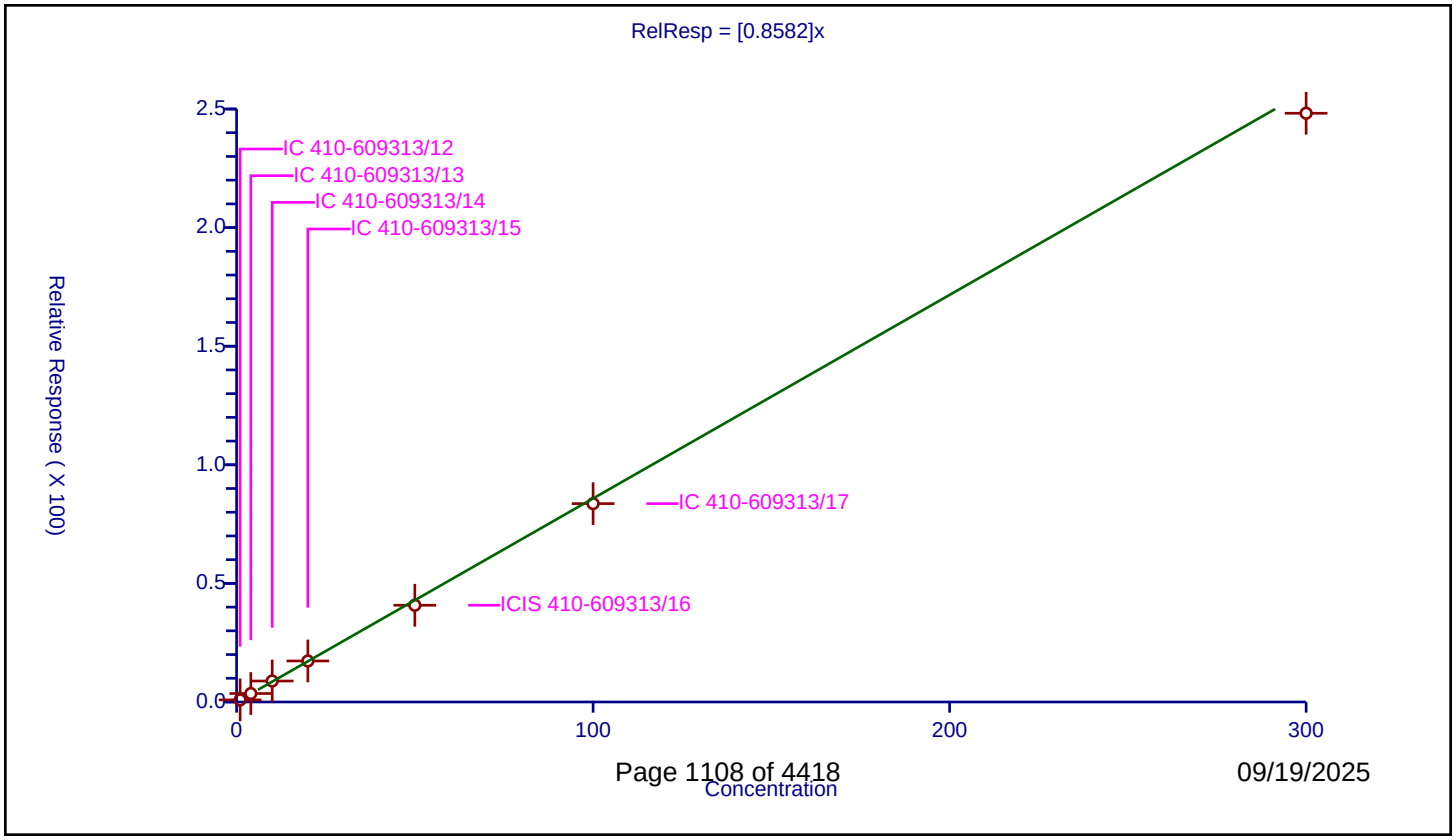
Curve Coefficients

Intercept:	0
Slope:	0.8582

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.887443	50.0	1046208.0	0.887443	Y
2	IC 410-609313/13	4.0	3.566932	50.0	1027017.0	0.891733	Y
3	IC 410-609313/14	10.0	8.842149	50.0	1053460.0	0.884215	Y
4	IC 410-609313/15	20.0	17.291614	50.0	1072731.0	0.864581	Y
5	ICIS 410-609313/16	50.0	40.77978	50.0	1079817.0	0.815596	Y
6	IC 410-609313/17	100.0	83.628091	50.0	1128610.0	0.836281	Y
7	IC 410-609313/18	300.0	248.209834	50.0	1141514.0	0.827366	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

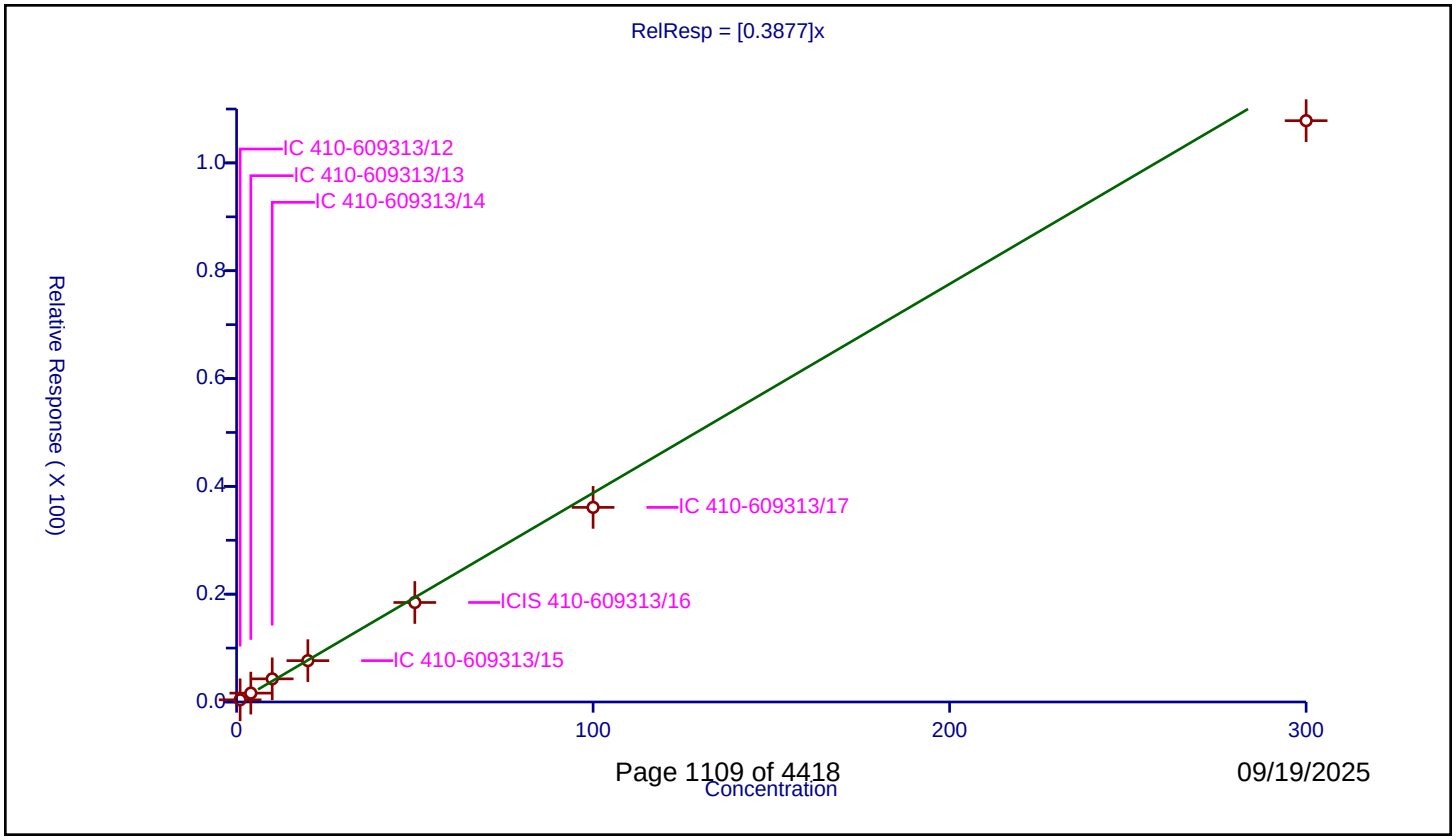
Curve Coefficients

Intercept:	0
Slope:	0.3877

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.401354	50.0	1046208.0	0.401354	Y
2	IC 410-609313/13	4.0	1.642475	50.0	1027017.0	0.410619	Y
3	IC 410-609313/14	10.0	4.290433	50.0	1053460.0	0.429043	Y
4	IC 410-609313/15	20.0	7.668605	50.0	1072731.0	0.38343	Y
5	ICIS 410-609313/16	50.0	18.457942	50.0	1079817.0	0.369159	Y
6	IC 410-609313/17	100.0	36.100735	50.0	1128610.0	0.361007	Y
7	IC 410-609313/18	300.0	107.836785	50.0	1141514.0	0.359456	Y



09/19/2025

Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

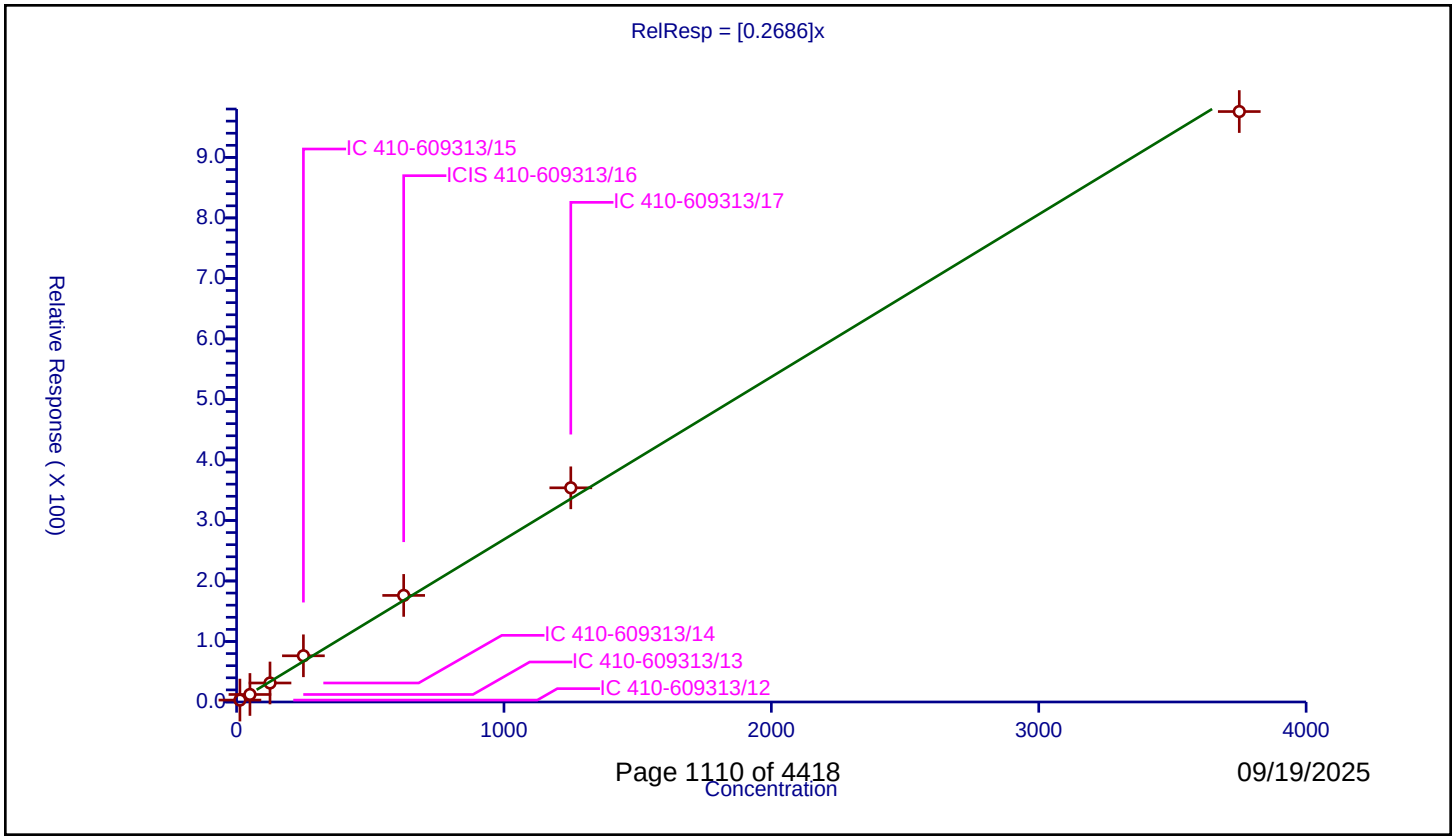
Curve Coefficients

Intercept:	0
Slope:	0.2686

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	12.5	3.136478	250.0	389609.0	0.250918	Y
2	IC 410-609313/13	50.0	12.392214	250.0	375861.0	0.247844	Y
3	IC 410-609313/14	125.0	31.378923	250.0	380072.0	0.251031	Y
4	IC 410-609313/15	250.0	76.335753	250.0	383454.0	0.305343	Y
5	ICIS 410-609313/16	625.0	176.111089	250.0	405548.0	0.281778	Y
6	IC 410-609313/17	1250.0	353.96724	250.0	403971.0	0.283174	Y
7	IC 410-609313/18	3750.0	975.795159	250.0	374202.0	0.260212	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

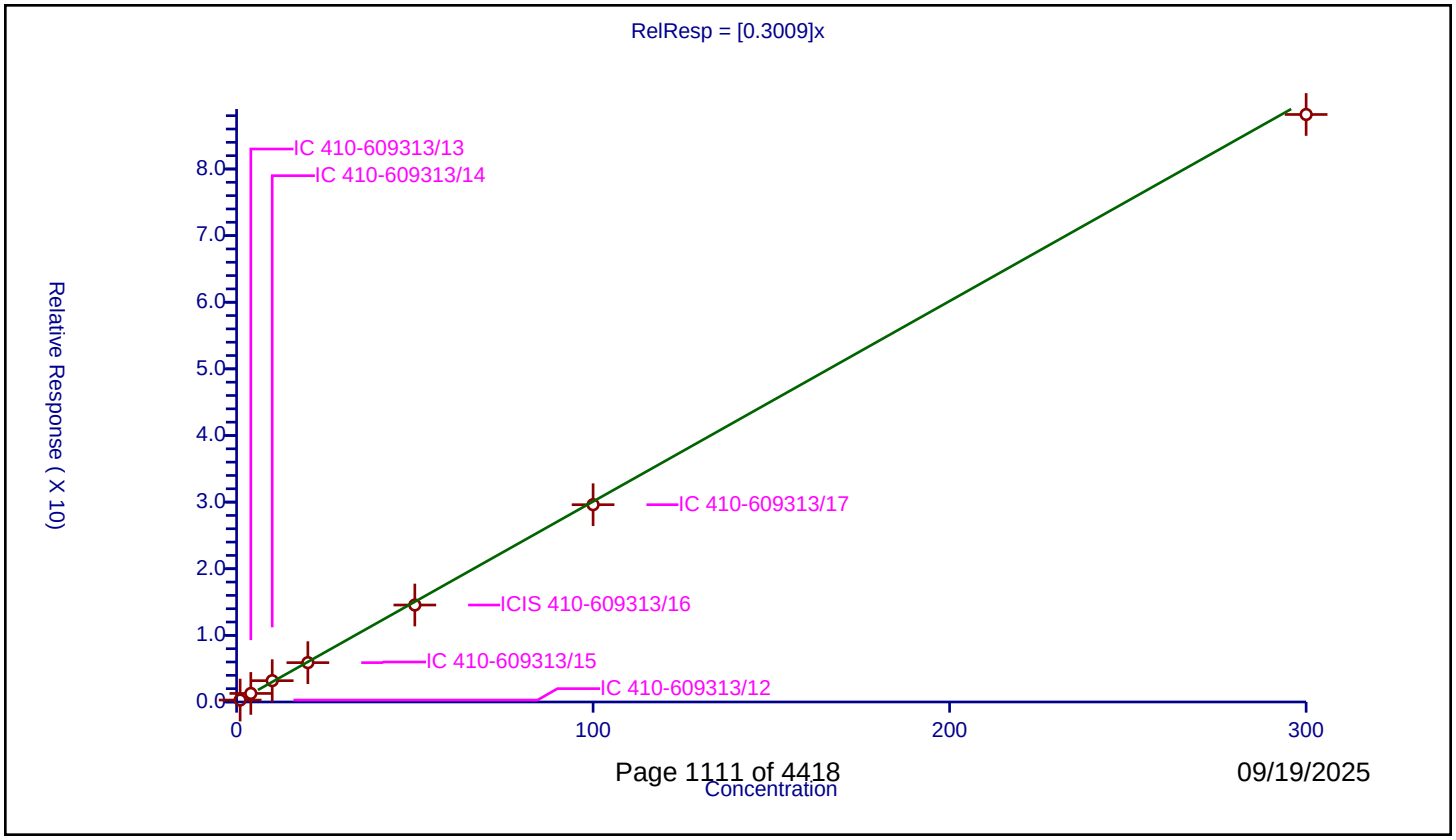
Curve Coefficients

Intercept:	0
Slope:	0.3009

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.289044	50.0	1046208.0	0.289044	Y
2	IC 410-609313/13	4.0	1.281381	50.0	1027017.0	0.320345	Y
3	IC 410-609313/14	10.0	3.201403	50.0	1053460.0	0.32014	Y
4	IC 410-609313/15	20.0	5.906607	50.0	1072731.0	0.29533	Y
5	ICIS 410-609313/16	50.0	14.555753	50.0	1079817.0	0.291115	Y
6	IC 410-609313/17	100.0	29.613595	50.0	1128610.0	0.296136	Y
7	IC 410-609313/18	300.0	88.177981	50.0	1141514.0	0.293927	Y



Calibration / Ethyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

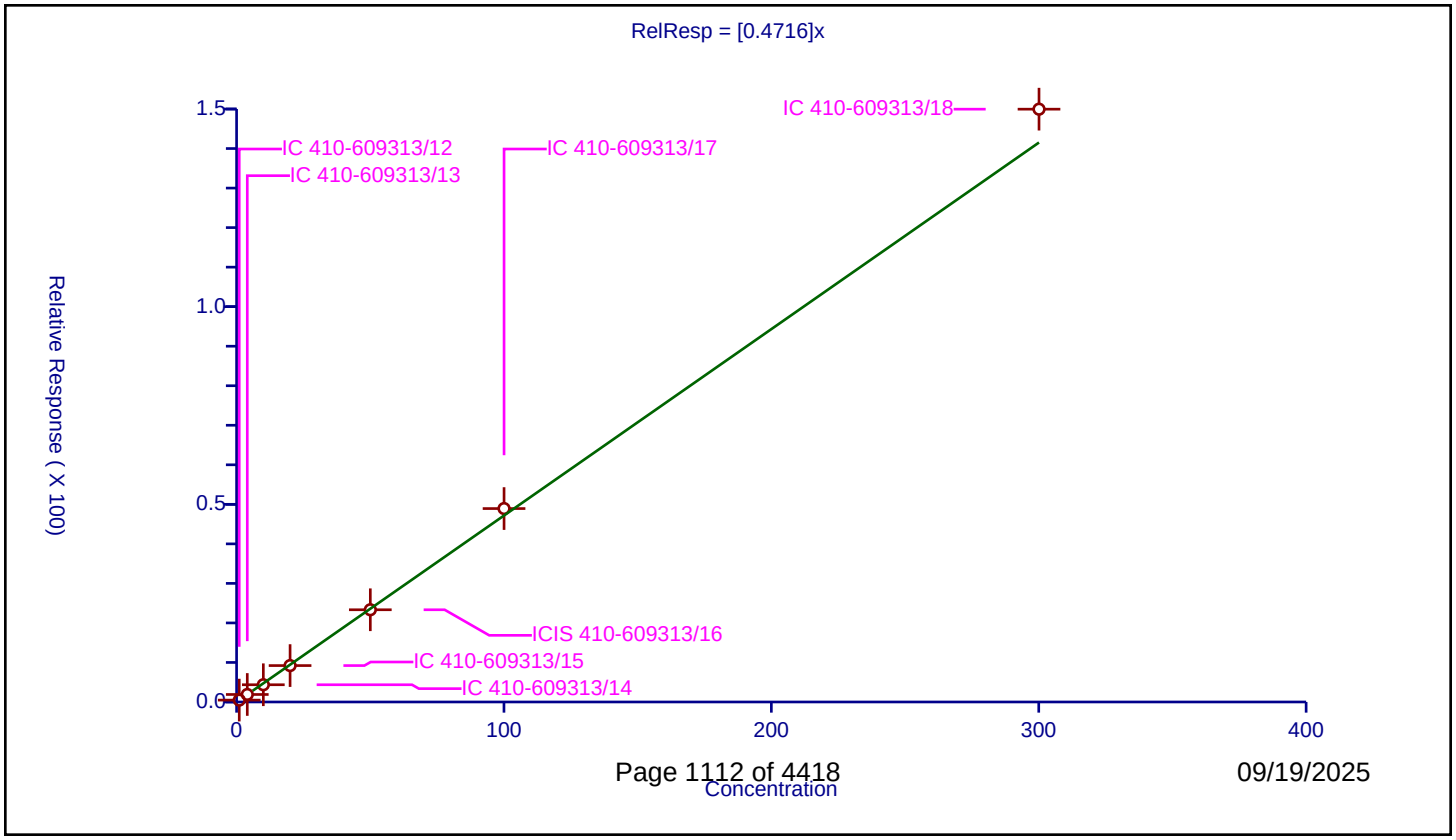
Curve Coefficients

Intercept:	0
Slope:	0.4716

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.000354	0.475145	50.0	1046208.0	0.474976	Y
2	IC 410-609313/13	4.001415	1.898313	50.0	1027017.0	0.47441	Y
3	IC 410-609313/14	10.003538	4.362909	50.0	1053460.0	0.436137	Y
4	IC 410-609313/15	20.007076	9.210697	50.0	1072731.0	0.460372	Y
5	ICIS 410-609313/16	50.01769	23.327193	50.0	1079817.0	0.466379	Y
6	IC 410-609313/17	100.03538	48.932669	50.0	1128610.0	0.489154	Y
7	IC 410-609313/18	300.10614	149.959615	50.0	1141514.0	0.499689	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

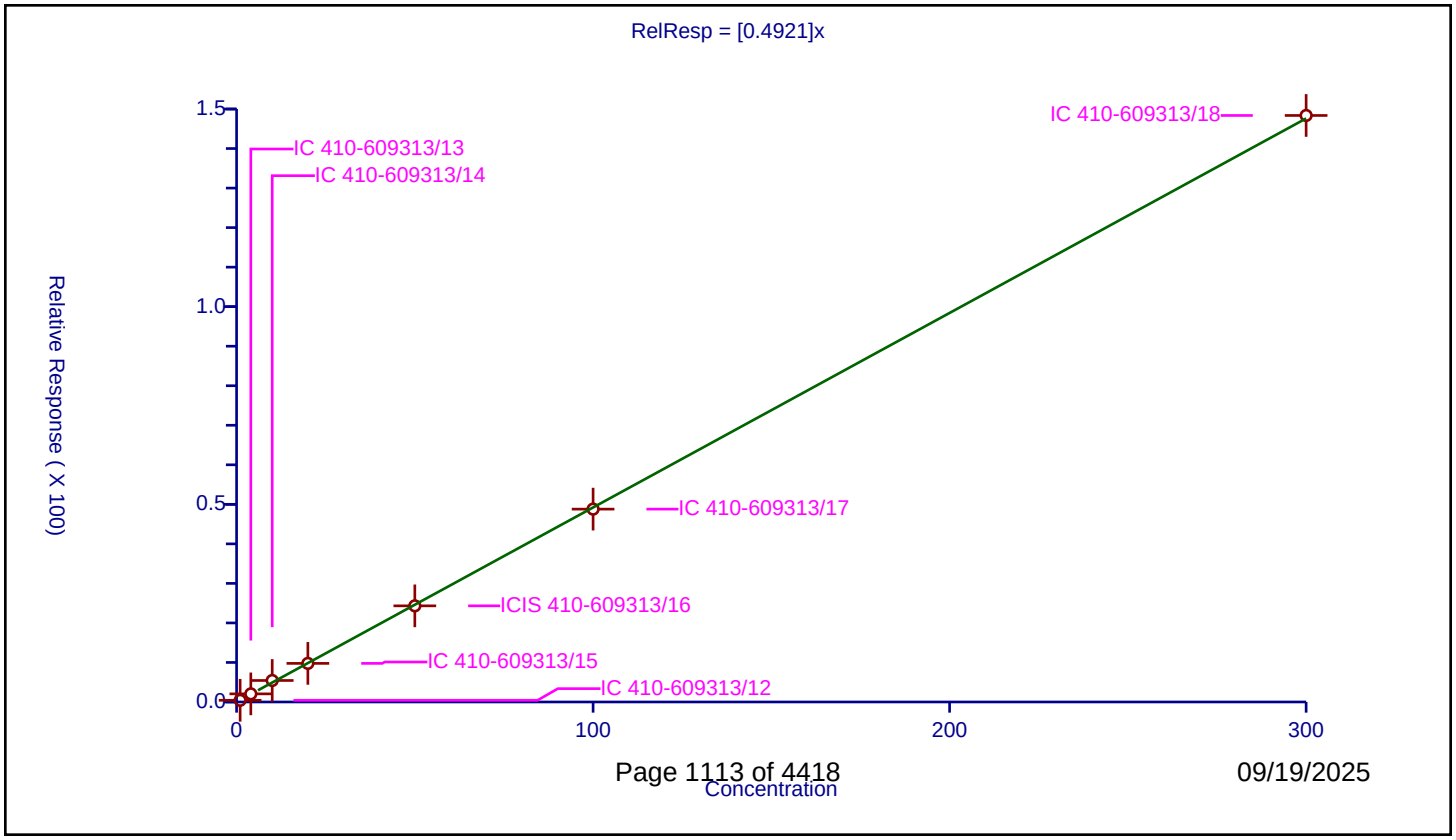
Curve Coefficients

Intercept:	0
Slope:	0.4921

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.430603	50.0	1046208.0	0.430603	Y
2	IC 410-609313/13	4.0	2.051281	50.0	1027017.0	0.51282	Y
3	IC 410-609313/14	10.0	5.439741	50.0	1053460.0	0.543974	Y
4	IC 410-609313/15	20.0	9.762699	50.0	1072731.0	0.488135	Y
5	ICIS 410-609313/16	50.0	24.32352	50.0	1079817.0	0.48647	Y
6	IC 410-609313/17	100.0	48.790902	50.0	1128610.0	0.487909	Y
7	IC 410-609313/18	300.0	148.364497	50.0	1141514.0	0.494548	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

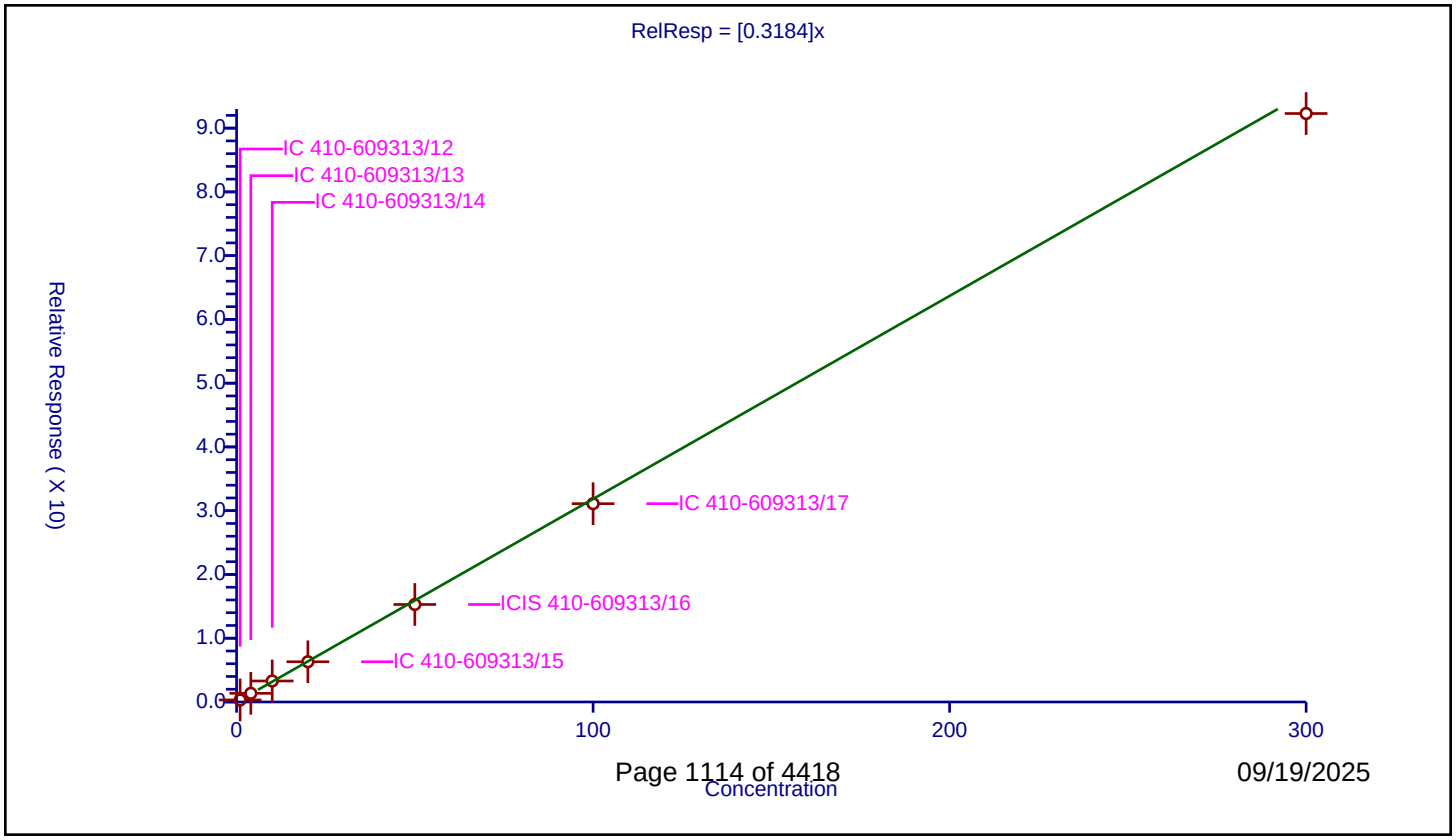
Curve Coefficients

Intercept:	0
Slope:	0.3184

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.319822	50.0	1046208.0	0.319822	Y
2	IC 410-609313/13	4.0	1.359179	50.0	1027017.0	0.339795	Y
3	IC 410-609313/14	10.0	3.29367	50.0	1053460.0	0.329367	Y
4	IC 410-609313/15	20.0	6.30927	50.0	1072731.0	0.315464	Y
5	ICIS 410-609313/16	50.0	15.292267	50.0	1079817.0	0.305845	Y
6	IC 410-609313/17	100.0	31.099893	50.0	1128610.0	0.310999	Y
7	IC 410-609313/18	300.0	92.293699	50.0	1141514.0	0.307646	Y



Calibration / 2-ethoxy-2-methyl butane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

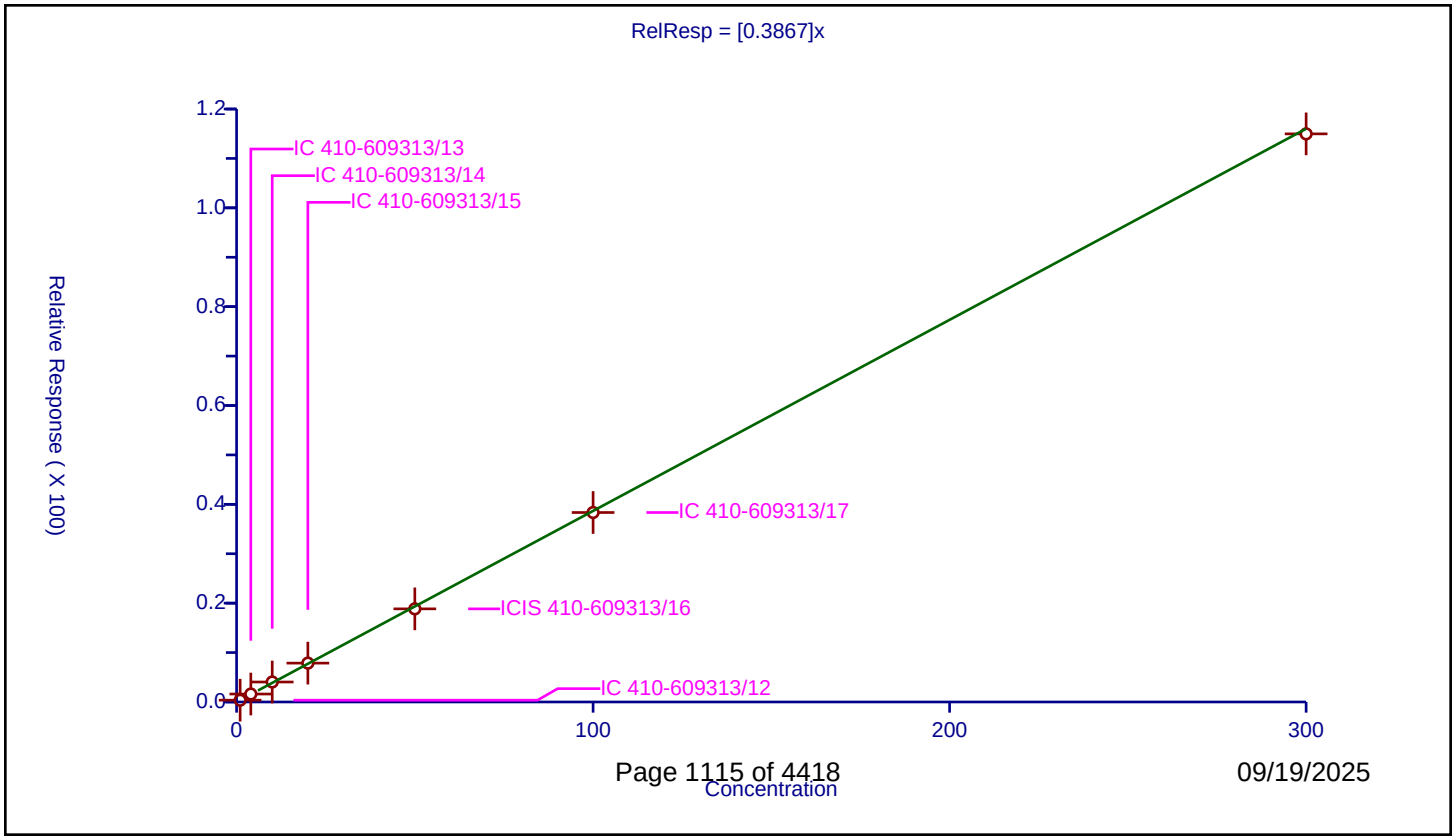
Curve Coefficients

Intercept:	0
Slope:	0.3867

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.363551	50.0	1046208.0	0.363551	Y
2	IC 410-609313/13	4.0	1.608493	50.0	1027017.0	0.402123	Y
3	IC 410-609313/14	10.0	4.043485	50.0	1053460.0	0.404349	Y
4	IC 410-609313/15	20.0	7.864274	50.0	1072731.0	0.393214	Y
5	ICIS 410-609313/16	50.0	18.844767	50.0	1079817.0	0.376895	Y
6	IC 410-609313/17	100.0	38.343272	50.0	1128610.0	0.383433	Y
7	IC 410-609313/18	300.0	114.969943	50.0	1141514.0	0.383233	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

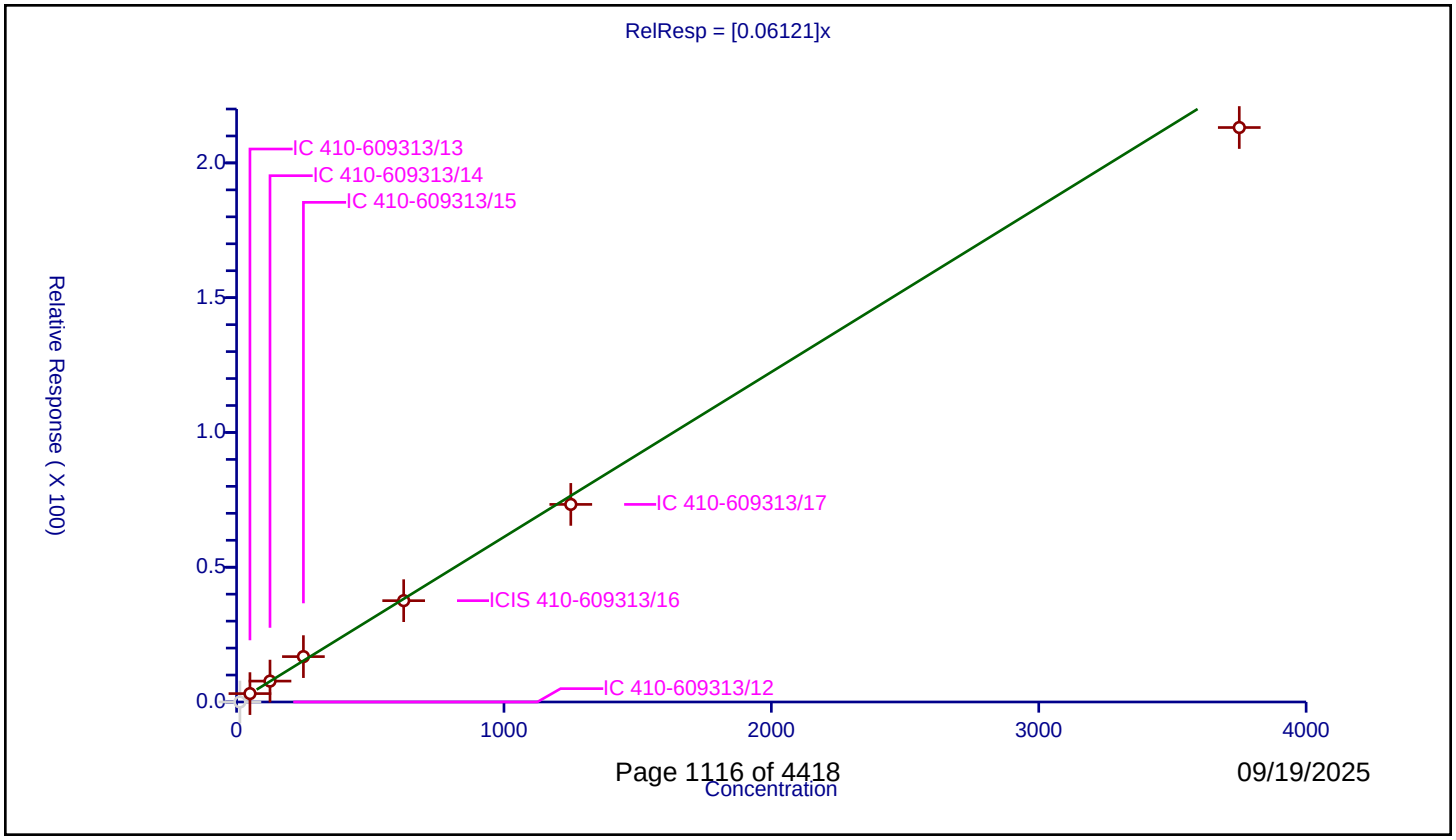
Curve Coefficients

Intercept:	0
Slope:	0.06121

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	12.5	0.0	250.0	389609.0	0.0	N
2	IC 410-609313/13	50.0	3.113518	250.0	375861.0	0.06227	Y
3	IC 410-609313/14	125.0	7.752478	250.0	380072.0	0.06202	Y
4	IC 410-609313/15	250.0	16.835135	250.0	383454.0	0.067341	Y
5	ICIS 410-609313/16	625.0	37.594194	250.0	405548.0	0.060151	Y
6	IC 410-609313/17	1250.0	73.309718	250.0	403971.0	0.058648	Y
7	IC 410-609313/18	3750.0	213.131544	250.0	374202.0	0.056835	Y



09/19/2025

Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

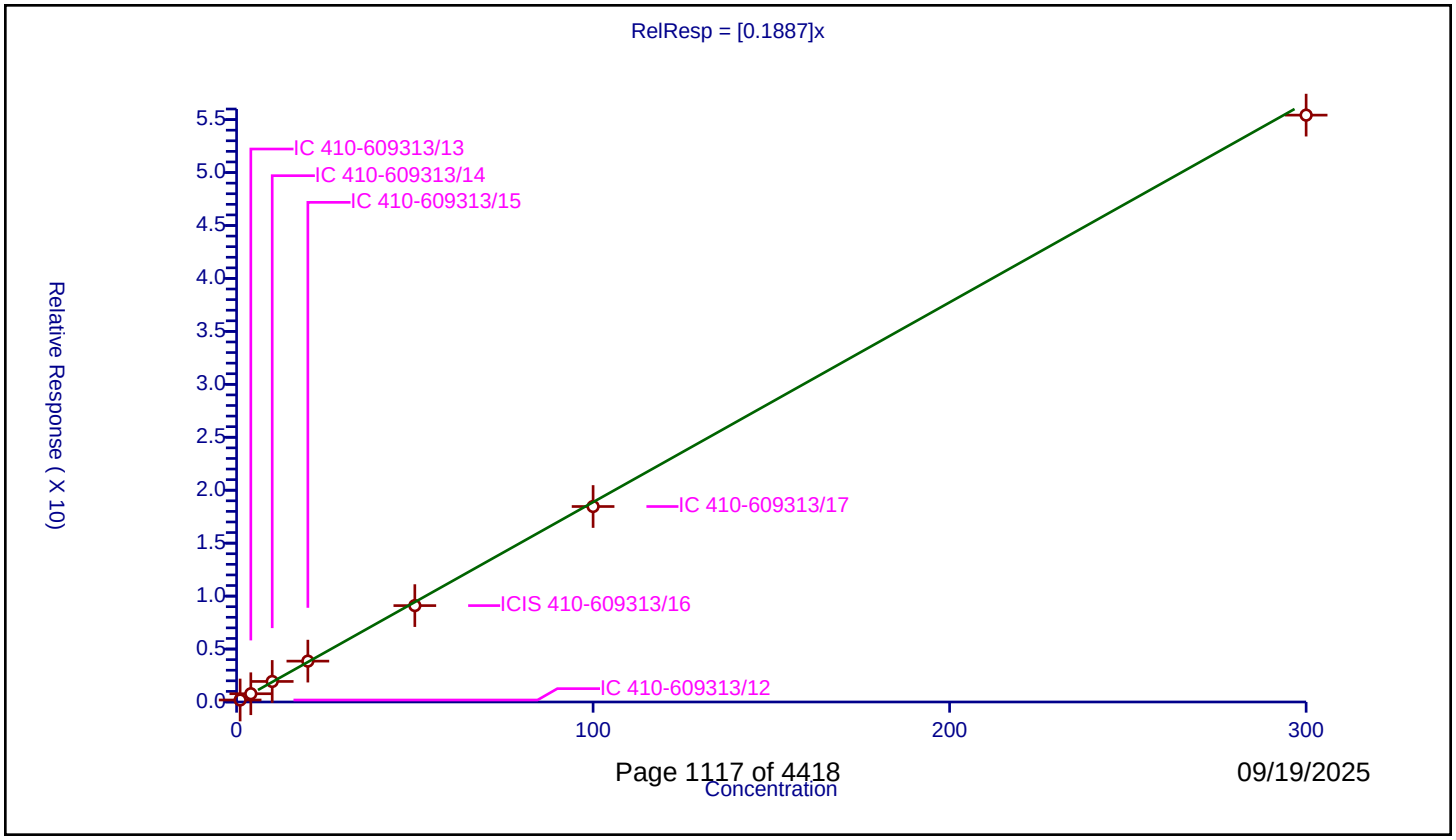
Curve Coefficients

Intercept:	0
Slope:	0.1887

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.187534	50.0	1046208.0	0.187534	Y
2	IC 410-609313/13	4.0	0.780416	50.0	1027017.0	0.195104	Y
3	IC 410-609313/14	10.0	1.939134	50.0	1053460.0	0.193913	Y
4	IC 410-609313/15	20.0	3.860241	50.0	1072731.0	0.193012	Y
5	ICIS 410-609313/16	50.0	9.101681	50.0	1079817.0	0.182034	Y
6	IC 410-609313/17	100.0	18.460717	50.0	1128610.0	0.184607	Y
7	IC 410-609313/18	300.0	55.422273	50.0	1141514.0	0.184741	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

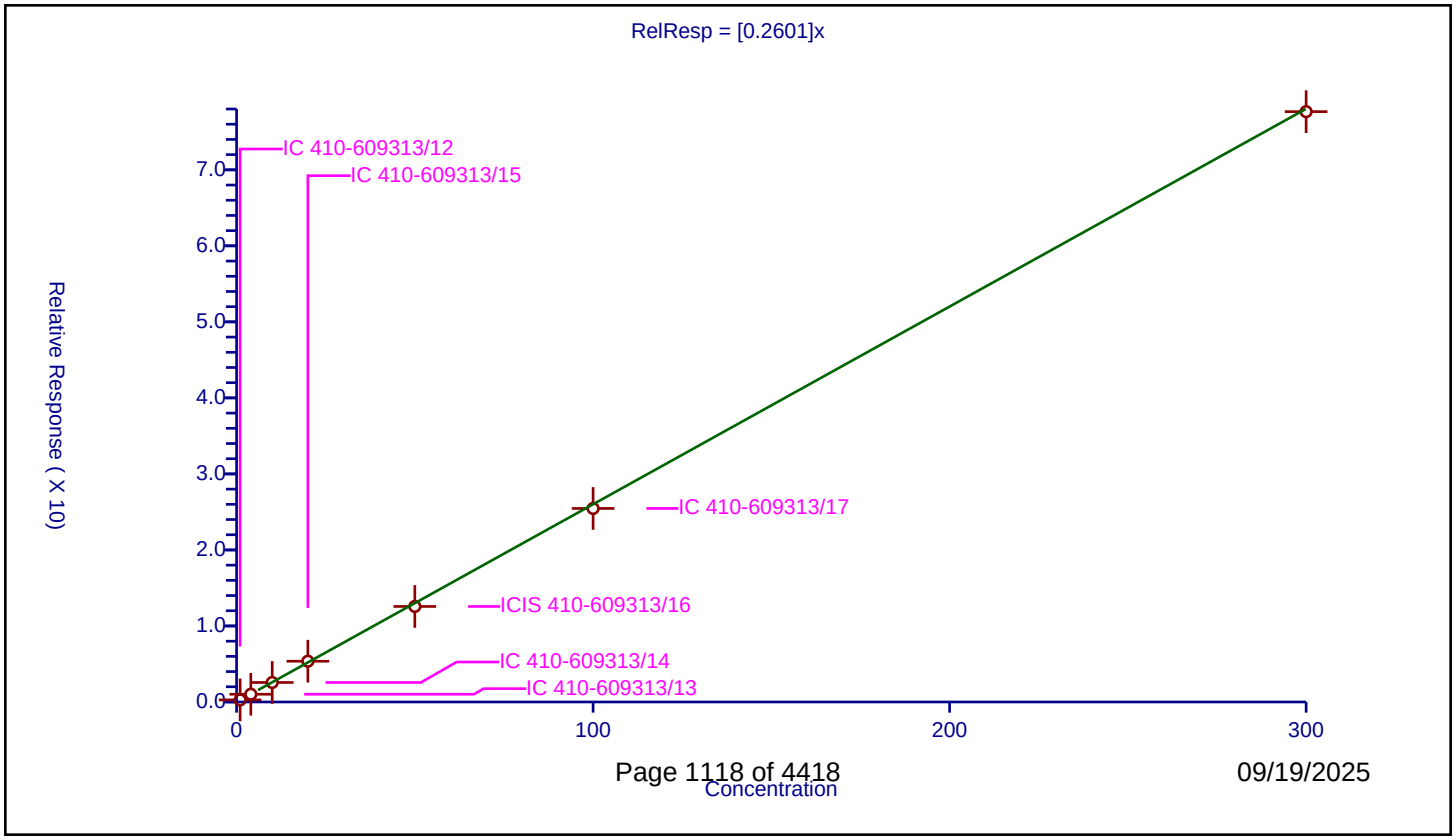
Curve Coefficients

Intercept:	0
Slope:	0.2601

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.276283	50.0	1046208.0	0.276283	Y
2	IC 410-609313/13	4.0	1.020382	50.0	1027017.0	0.255096	Y
3	IC 410-609313/14	10.0	2.564644	50.0	1053460.0	0.256464	Y
4	IC 410-609313/15	20.0	5.360337	50.0	1072731.0	0.268017	Y
5	ICIS 410-609313/16	50.0	12.565138	50.0	1079817.0	0.251303	Y
6	IC 410-609313/17	100.0	25.457864	50.0	1128610.0	0.254579	Y
7	IC 410-609313/18	300.0	77.654282	50.0	1141514.0	0.258848	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

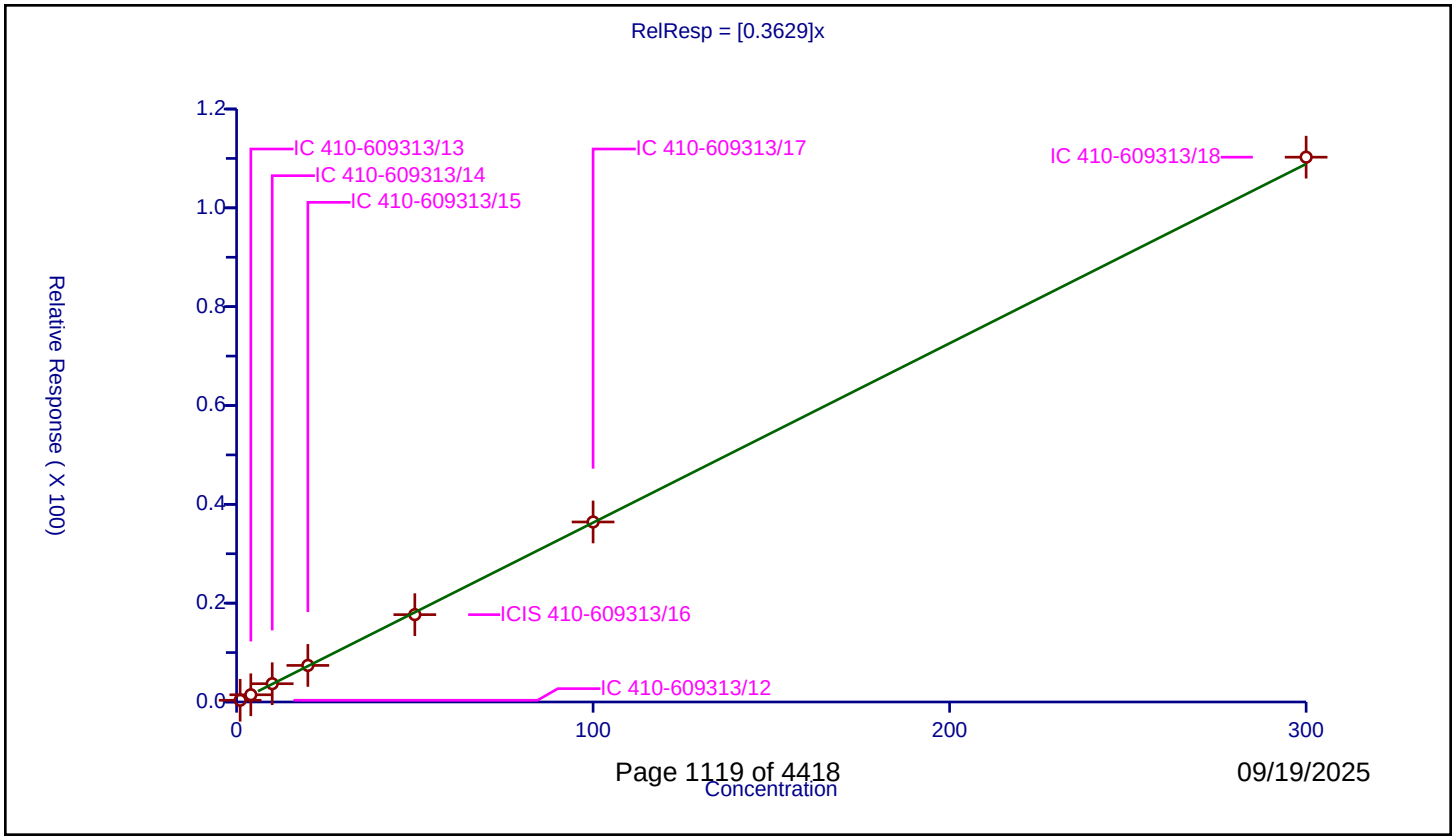
Curve Coefficients

Intercept:	0
Slope:	0.3629

Error Coefficients

Relative Standard Deviation:	2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.350456	50.0	1046208.0	0.350456	Y
2	IC 410-609313/13	4.0	1.458691	50.0	1027017.0	0.364673	Y
3	IC 410-609313/14	10.0	3.70033	50.0	1053460.0	0.370033	Y
4	IC 410-609313/15	20.0	7.401203	50.0	1072731.0	0.37006	Y
5	ICIS 410-609313/16	50.0	17.67781	50.0	1079817.0	0.353556	Y
6	IC 410-609313/17	100.0	36.427464	50.0	1128610.0	0.364275	Y
7	IC 410-609313/18	300.0	110.254364	50.0	1141514.0	0.367515	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

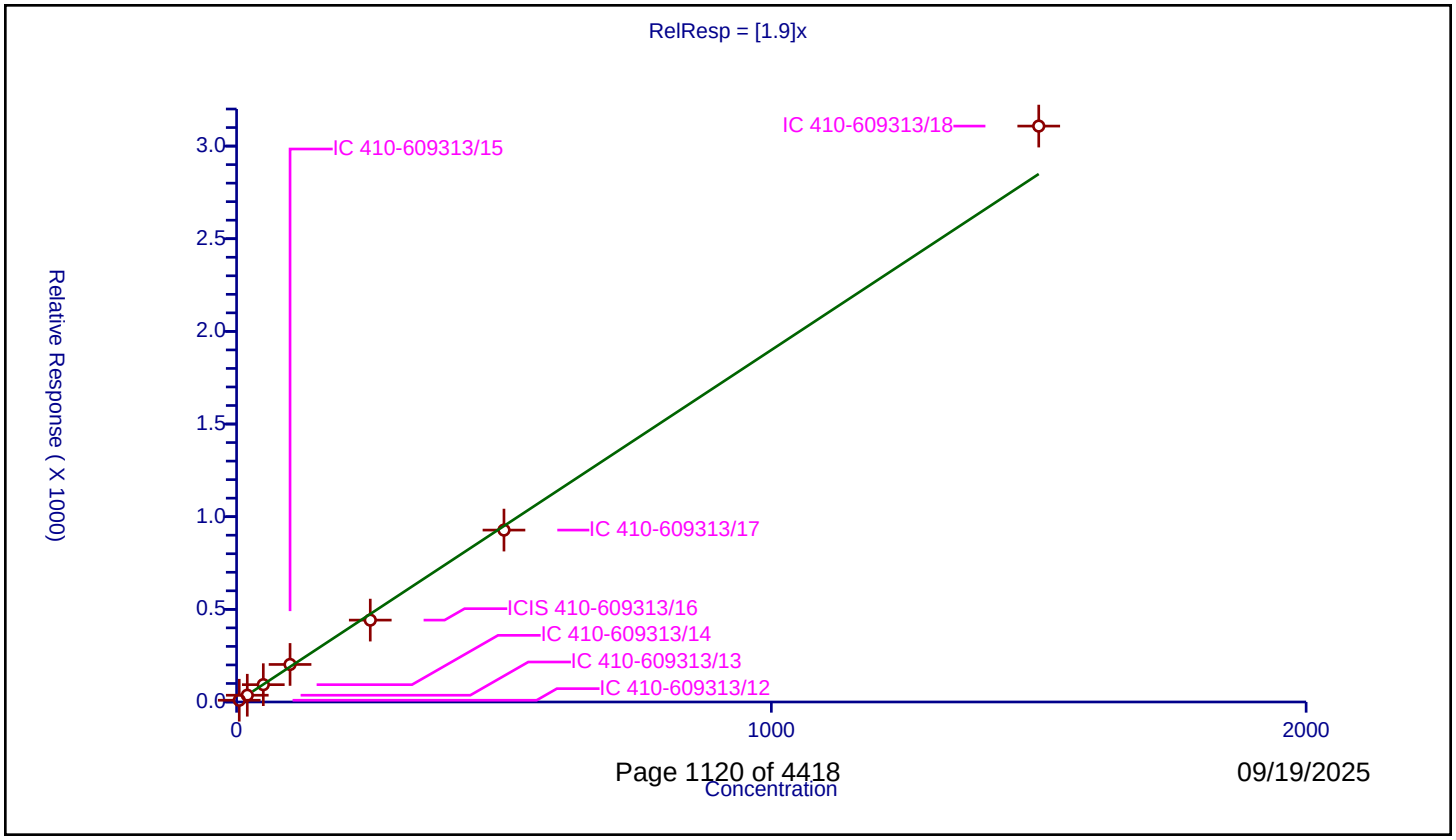
Curve Coefficients

Intercept:	0
Slope:	1.9

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	5.0	9.403659	250.0	389609.0	1.880732	Y
2	IC 410-609313/13	20.0	36.518154	250.0	375861.0	1.825908	Y
3	IC 410-609313/14	50.0	93.443479	250.0	380072.0	1.86887	Y
4	IC 410-609313/15	100.0	202.604485	250.0	383454.0	2.026045	Y
5	ICIS 410-609313/16	250.0	441.932274	250.0	405548.0	1.767729	Y
6	IC 410-609313/17	500.0	927.663743	250.0	403971.0	1.855327	Y
7	IC 410-609313/18	1500.0	3107.945708	250.0	374202.0	2.071964	Y



Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

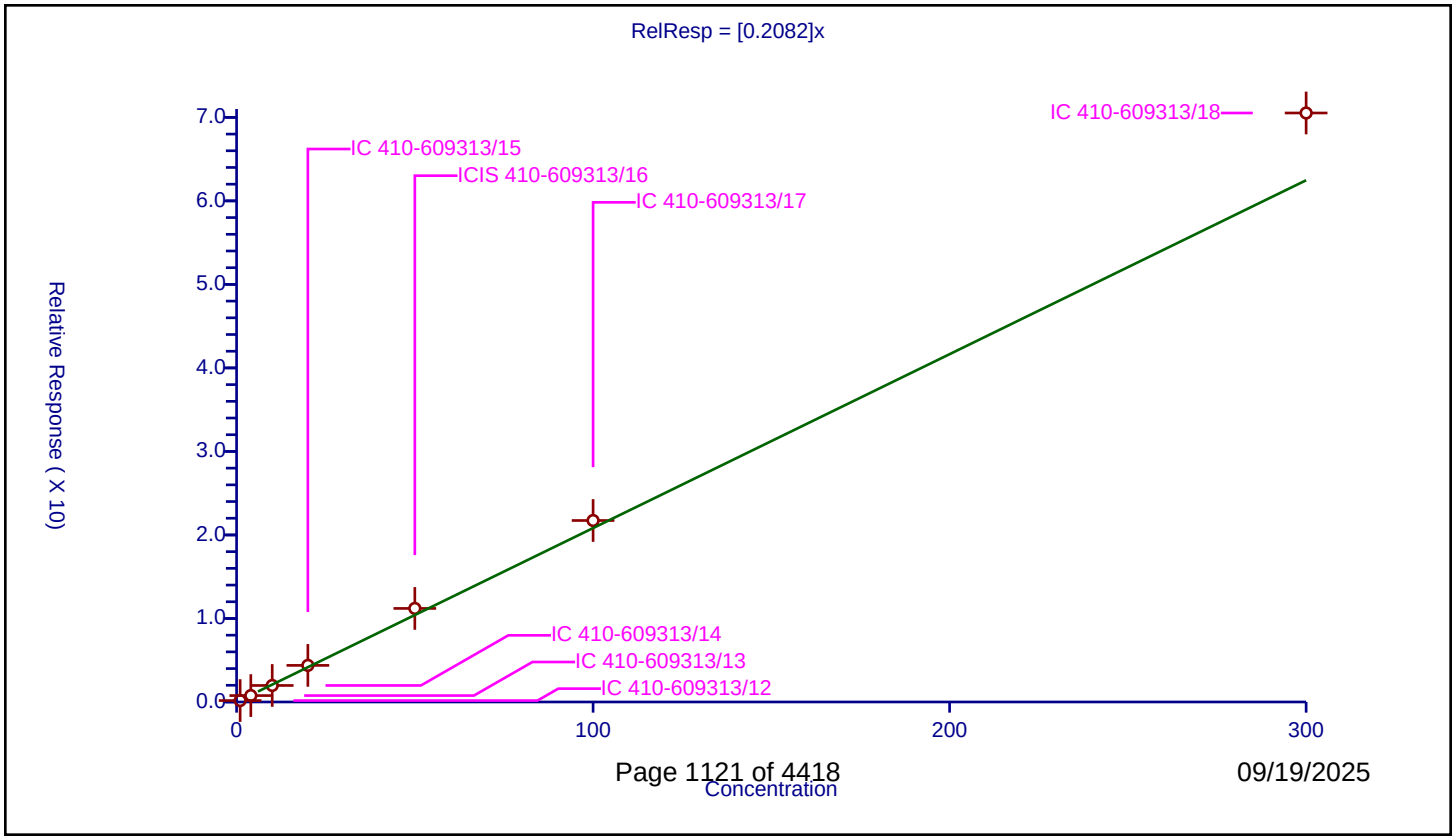
Curve Coefficients

Intercept:	0
Slope:	0.2082

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.172002	50.0	1046208.0	0.172002	Y
2	IC 410-609313/13	4.0	0.769169	50.0	1027017.0	0.192292	Y
3	IC 410-609313/14	10.0	1.977863	50.0	1053460.0	0.197786	Y
4	IC 410-609313/15	20.0	4.382273	50.0	1072731.0	0.219114	Y
5	ICIS 410-609313/16	50.0	11.203843	50.0	1079817.0	0.224077	Y
6	IC 410-609313/17	100.0	21.728143	50.0	1128610.0	0.217281	Y
7	IC 410-609313/18	300.0	70.523489	50.0	1141514.0	0.235078	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

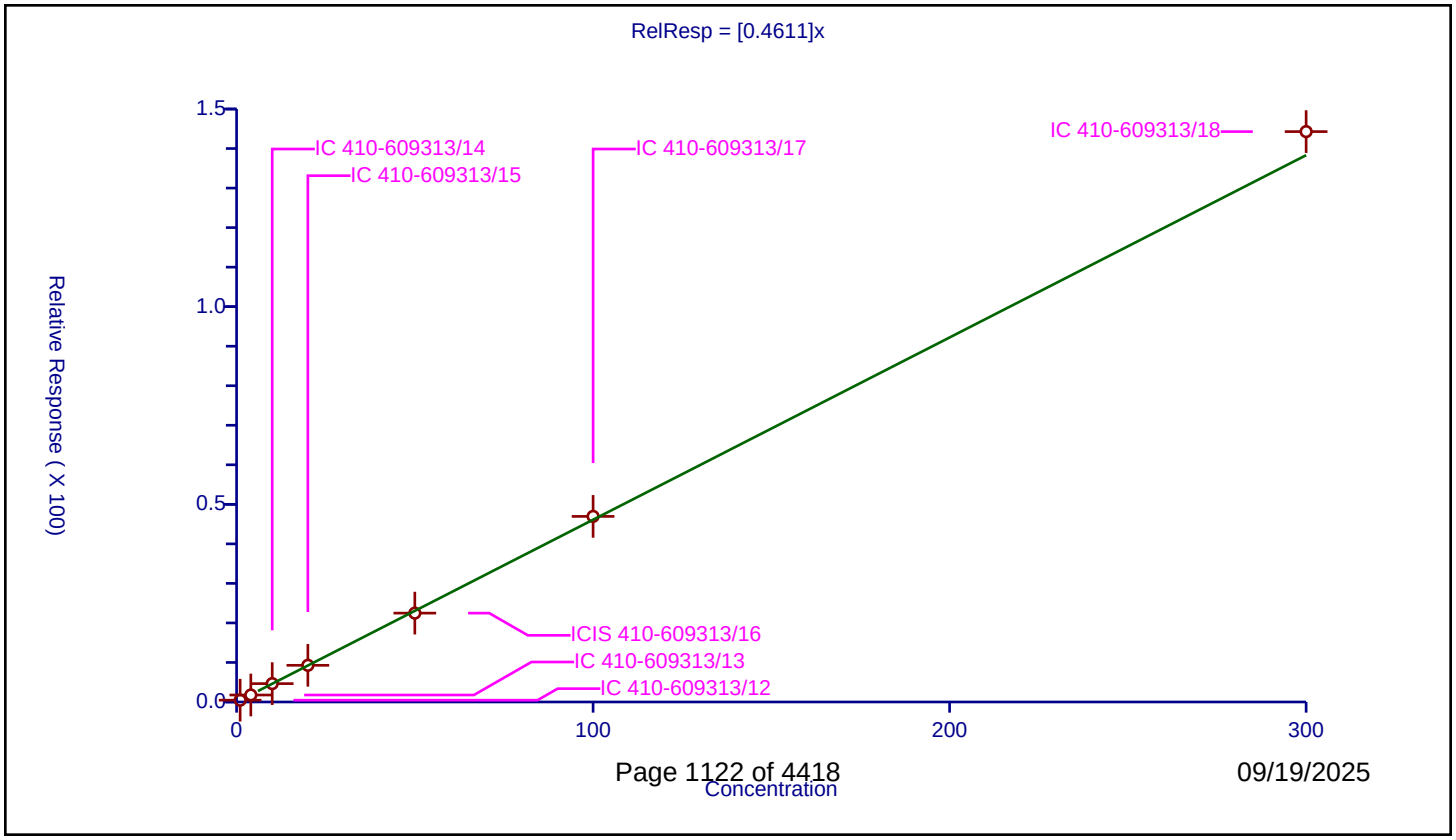
Curve Coefficients

Intercept:	0
Slope:	0.4611

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.457079	50.0	1046208.0	0.457079	Y
2	IC 410-609313/13	4.0	1.766816	50.0	1027017.0	0.441704	Y
3	IC 410-609313/14	10.0	4.646403	50.0	1053460.0	0.46464	Y
4	IC 410-609313/15	20.0	9.27968	50.0	1072731.0	0.463984	Y
5	ICIS 410-609313/16	50.0	22.477096	50.0	1079817.0	0.449542	Y
6	IC 410-609313/17	100.0	46.948149	50.0	1128610.0	0.469481	Y
7	IC 410-609313/18	300.0	144.285747	50.0	1141514.0	0.480952	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

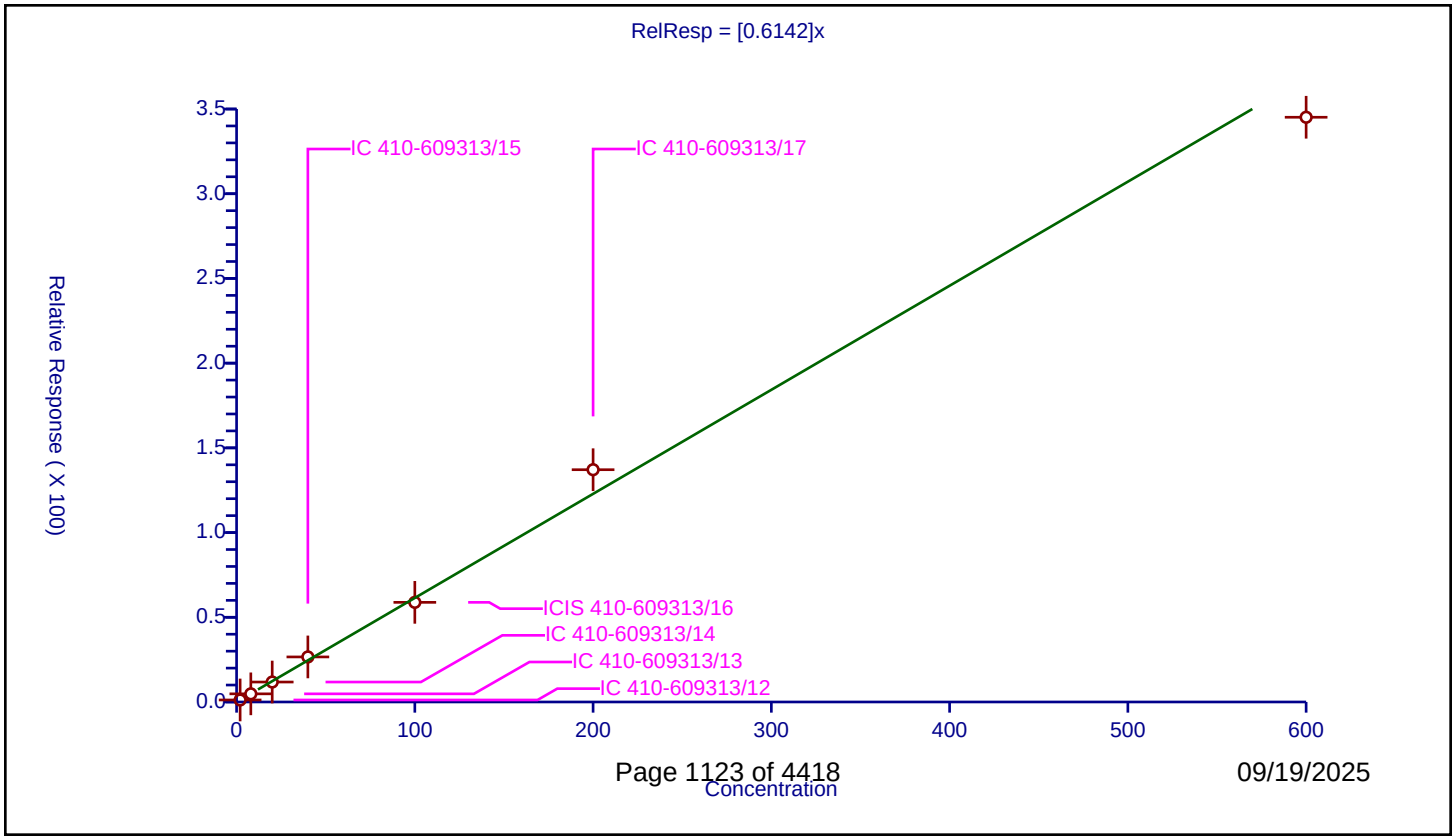
Curve Coefficients

Intercept:	0
Slope:	0.6142

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	2.0	1.191255	50.0	1046208.0	0.595627	Y
2	IC 410-609313/13	8.0	4.807661	50.0	1027017.0	0.600958	Y
3	IC 410-609313/14	20.0	11.781463	50.0	1053460.0	0.589073	Y
4	IC 410-609313/15	40.0	26.599958	50.0	1072731.0	0.664999	Y
5	ICIS 410-609313/16	100.0	58.810289	50.0	1079817.0	0.588103	Y
6	IC 410-609313/17	200.0	137.106574	50.0	1128610.0	0.685533	Y
7	IC 410-609313/18	600.0	345.133612	50.0	1141514.0	0.575223	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

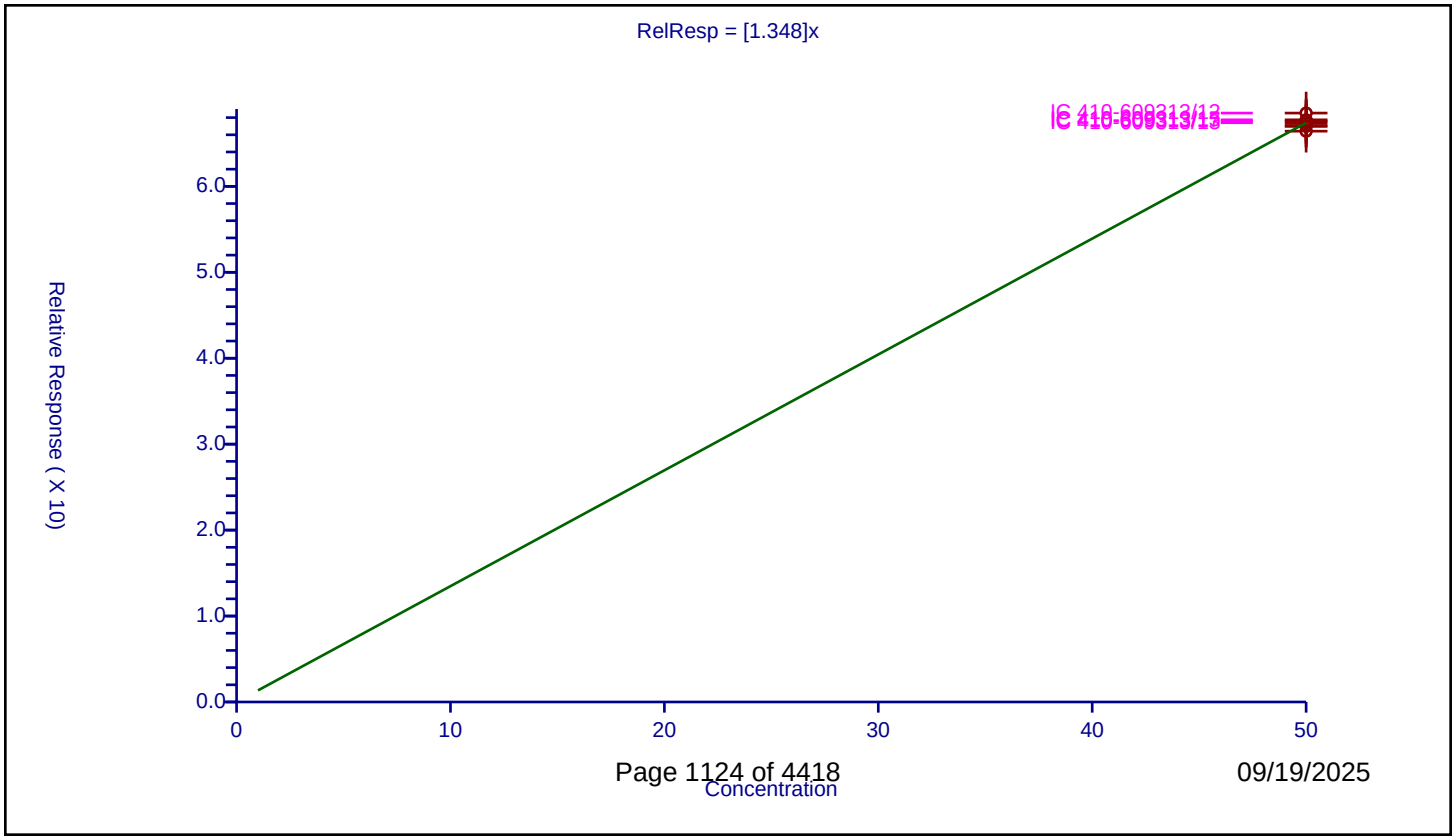
Curve Coefficients

Intercept:	0
Slope:	1.348

Error Coefficients

Relative Standard Deviation:	1.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	50.0	68.527073	50.0	709648.0	1.370541	Y
2	IC 410-609313/13	50.0	67.404284	50.0	710983.0	1.348086	Y
3	IC 410-609313/14	50.0	66.973988	50.0	732459.0	1.33948	Y
4	IC 410-609313/15	50.0	67.741968	50.0	747124.0	1.354839	Y
5	ICIS 410-609313/16	50.0	67.092262	50.0	768178.0	1.341845	Y
6	IC 410-609313/17	50.0	67.595761	50.0	813014.0	1.351915	Y
7	IC 410-609313/18	50.0	66.422197	50.0	862205.0	1.328444	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

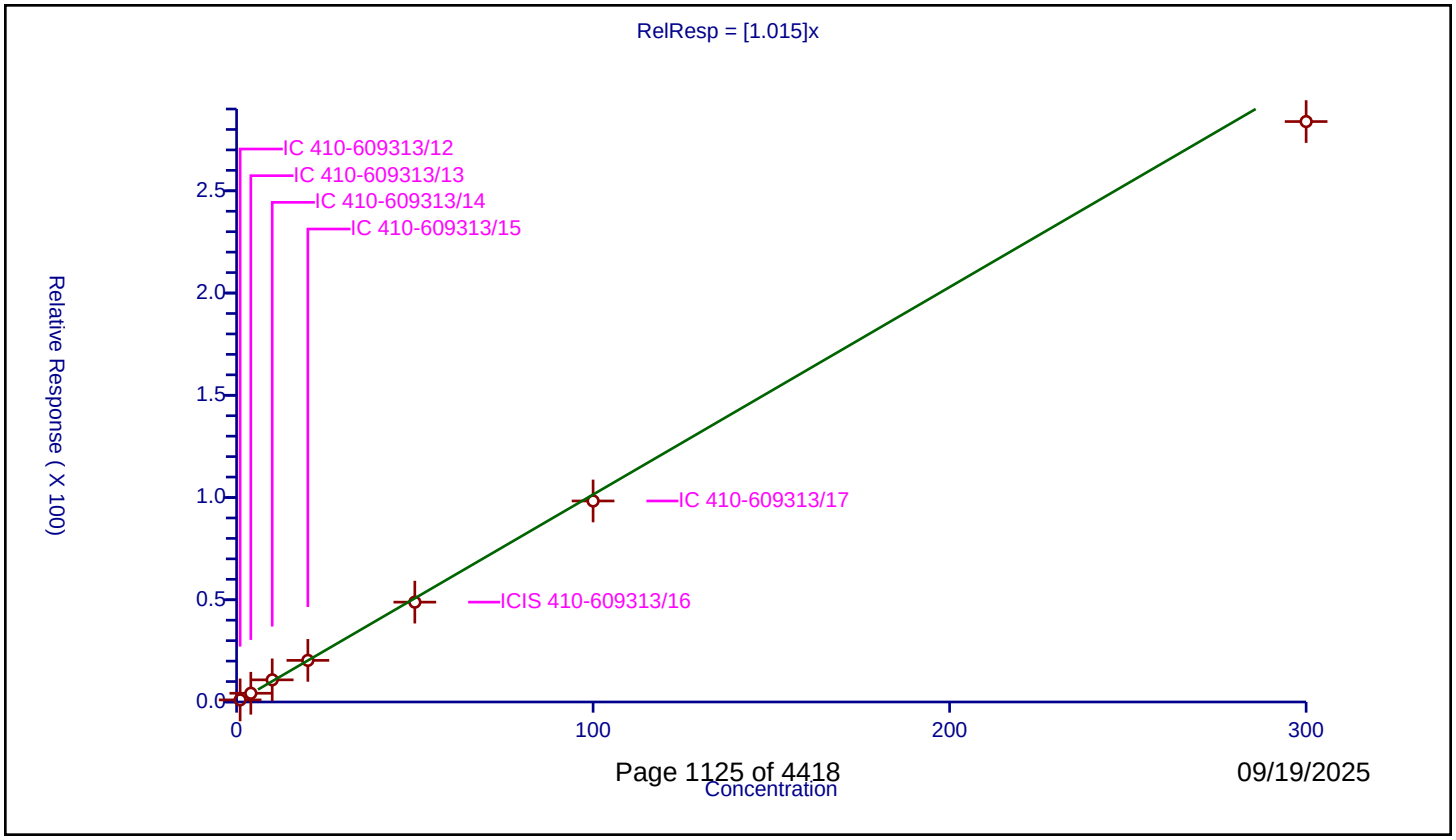
Curve Coefficients

Intercept:	0
Slope:	1.015

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	1.028397	50.0	709648.0	1.028397	Y
2	IC 410-609313/13	4.0	4.268386	50.0	710983.0	1.067097	Y
3	IC 410-609313/14	10.0	10.827637	50.0	732459.0	1.082764	Y
4	IC 410-609313/15	20.0	20.348697	50.0	747124.0	1.017435	Y
5	ICIS 410-609313/16	50.0	48.833734	50.0	768178.0	0.976675	Y
6	IC 410-609313/17	100.0	98.3095	50.0	813014.0	0.983095	Y
7	IC 410-609313/18	300.0	283.866134	50.0	862205.0	0.94622	Y



09/19/2025

Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

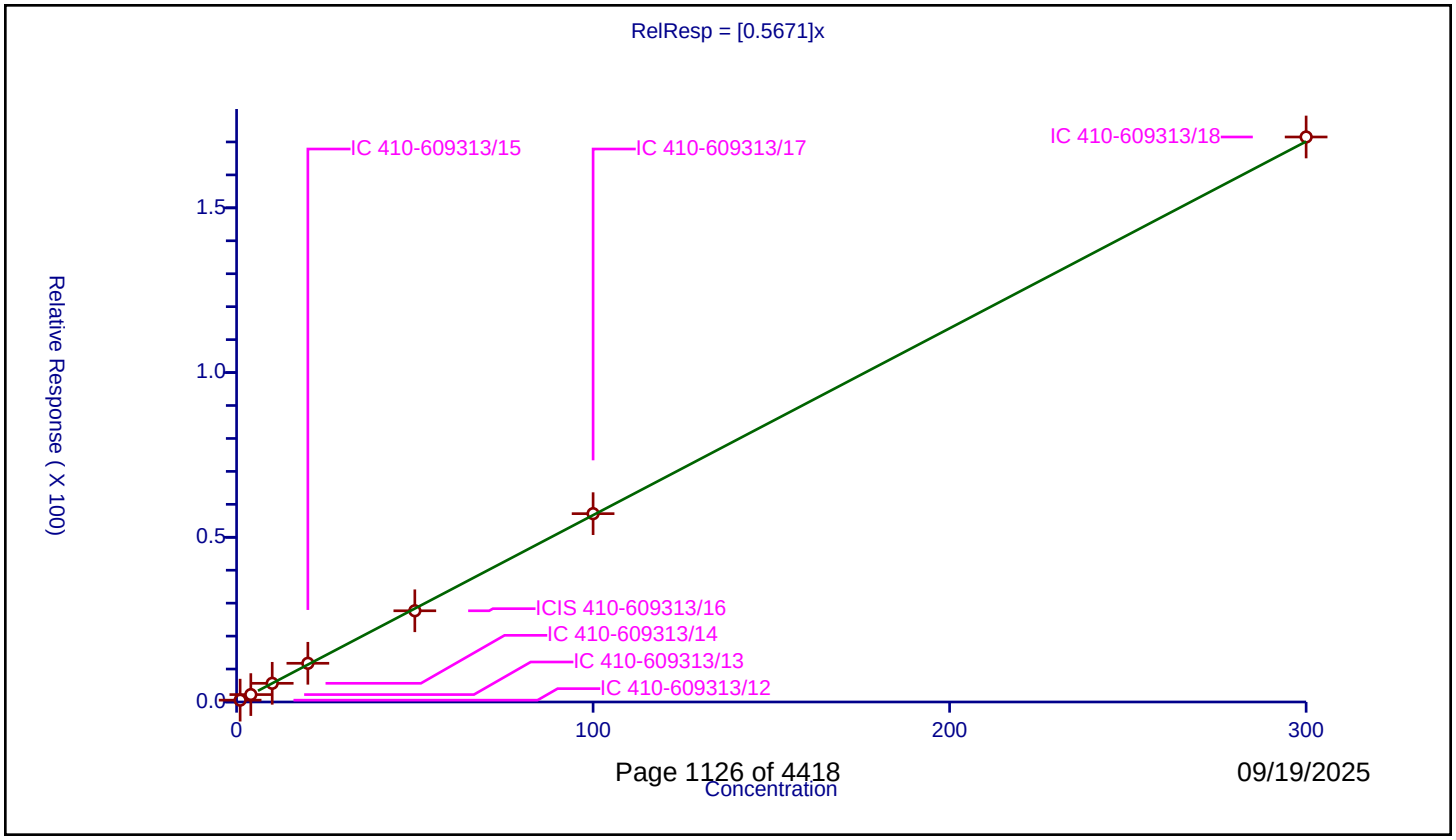
Curve Coefficients

Intercept:	0
Slope:	0.5671

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.556332	50.0	709648.0	0.556332	Y
2	IC 410-609313/13	4.0	2.248507	50.0	710983.0	0.562127	Y
3	IC 410-609313/14	10.0	5.670625	50.0	732459.0	0.567062	Y
4	IC 410-609313/15	20.0	11.745507	50.0	747124.0	0.587275	Y
5	ICIS 410-609313/16	50.0	27.690913	50.0	768178.0	0.553818	Y
6	IC 410-609313/17	100.0	57.171463	50.0	813014.0	0.571715	Y
7	IC 410-609313/18	300.0	171.512169	50.0	862205.0	0.571707	Y



09/19/2025

Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

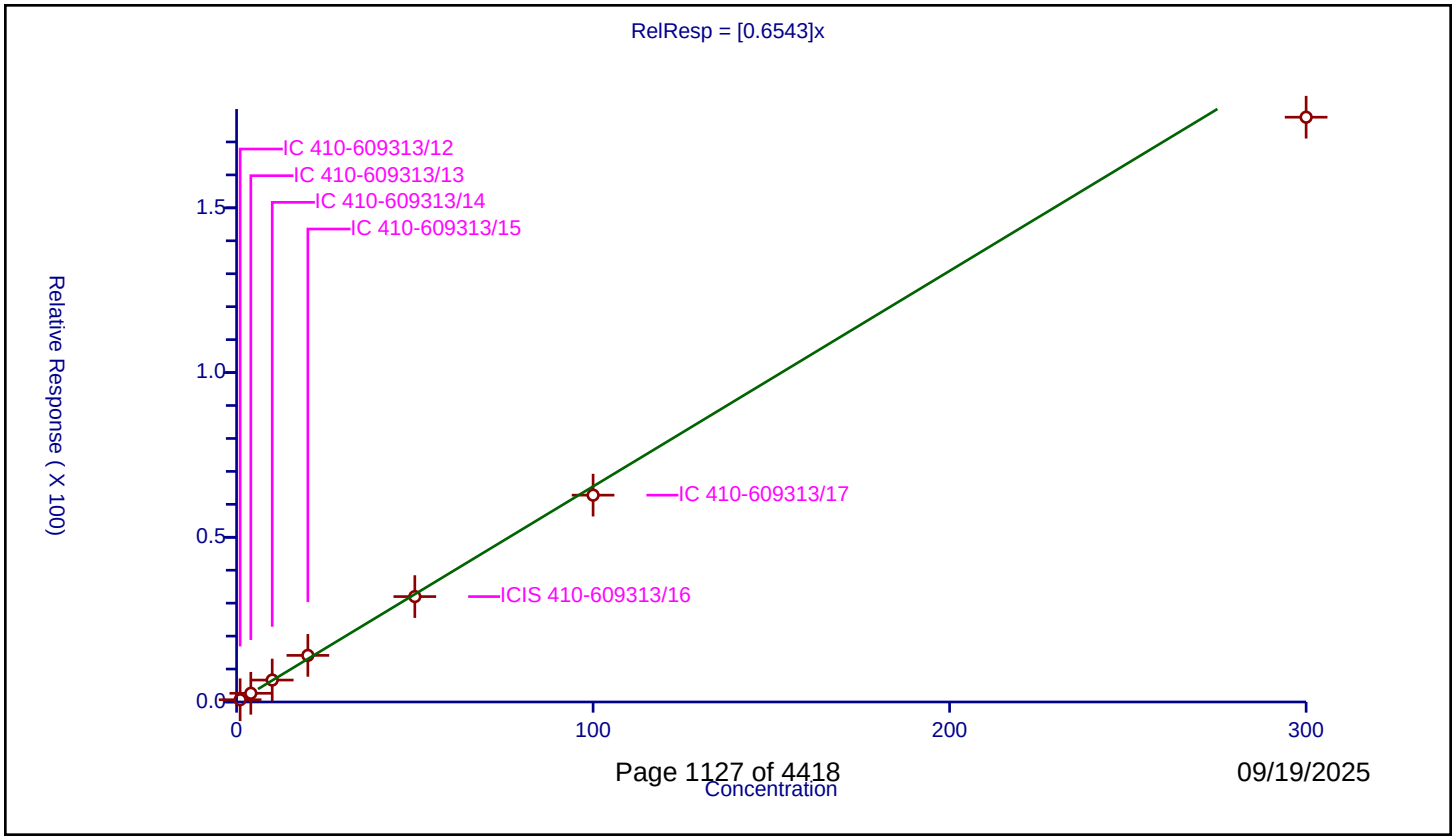
Curve Coefficients

Intercept:	0
Slope:	0.6543

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.686819	50.0	709648.0	0.686819	Y
2	IC 410-609313/13	4.0	2.642539	50.0	710983.0	0.660635	Y
3	IC 410-609313/14	10.0	6.656687	50.0	732459.0	0.665669	Y
4	IC 410-609313/15	20.0	14.144908	50.0	747124.0	0.707245	Y
5	ICIS 410-609313/16	50.0	31.990828	50.0	768178.0	0.639817	Y
6	IC 410-609313/17	100.0	62.791047	50.0	813014.0	0.62791	Y
7	IC 410-609313/18	300.0	177.512251	50.0	862205.0	0.591708	Y



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

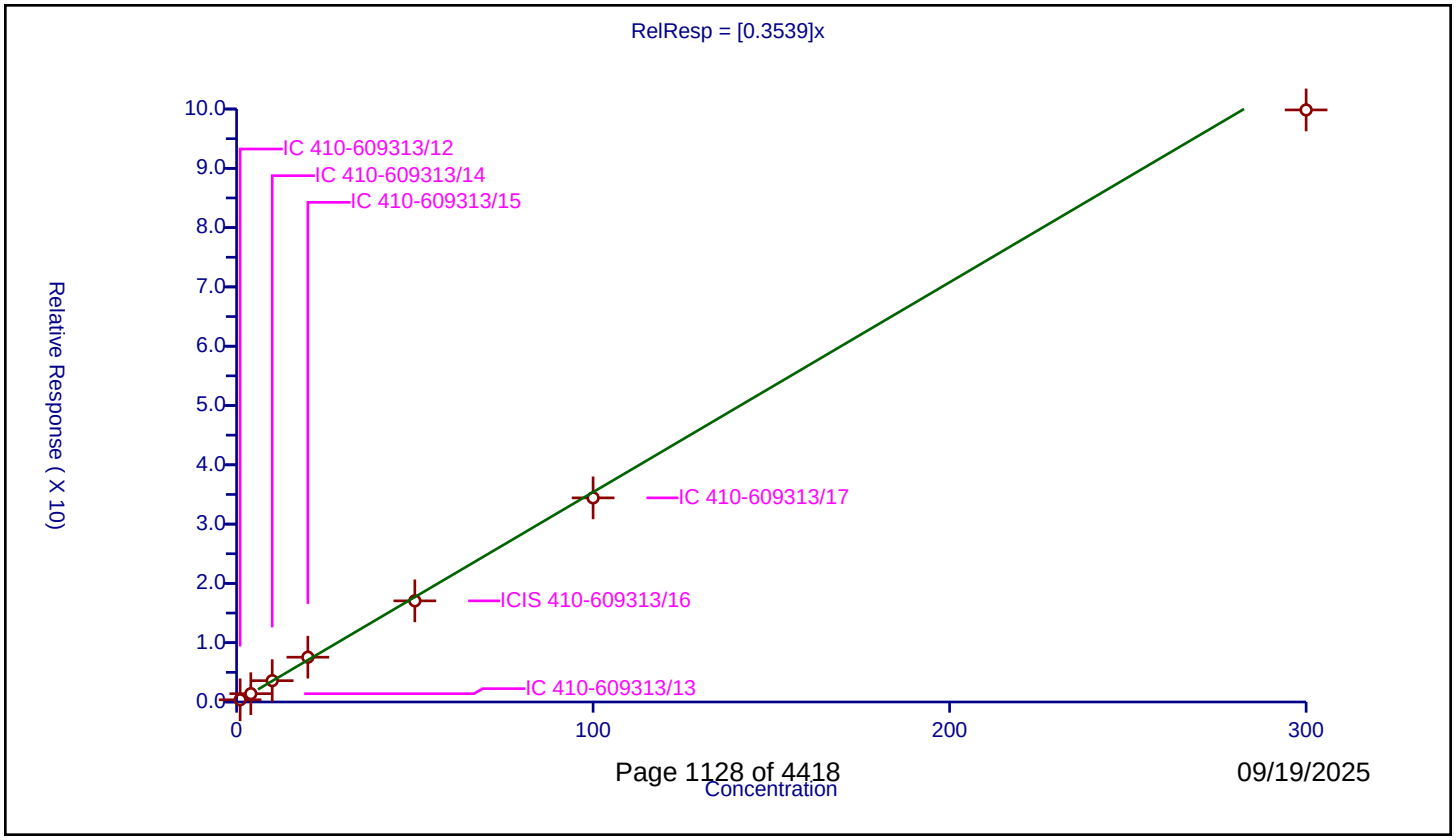
Curve Coefficients

Intercept:	0
Slope:	0.3539

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.371804	50.0	709648.0	0.371804	Y
2	IC 410-609313/13	4.0	1.39926	50.0	710983.0	0.349815	Y
3	IC 410-609313/14	10.0	3.597676	50.0	732459.0	0.359768	Y
4	IC 410-609313/15	20.0	7.551357	50.0	747124.0	0.377568	Y
5	ICIS 410-609313/16	50.0	17.057245	50.0	768178.0	0.341145	Y
6	IC 410-609313/17	100.0	34.4237	50.0	813014.0	0.344237	Y
7	IC 410-609313/18	300.0	99.846962	50.0	862205.0	0.332823	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

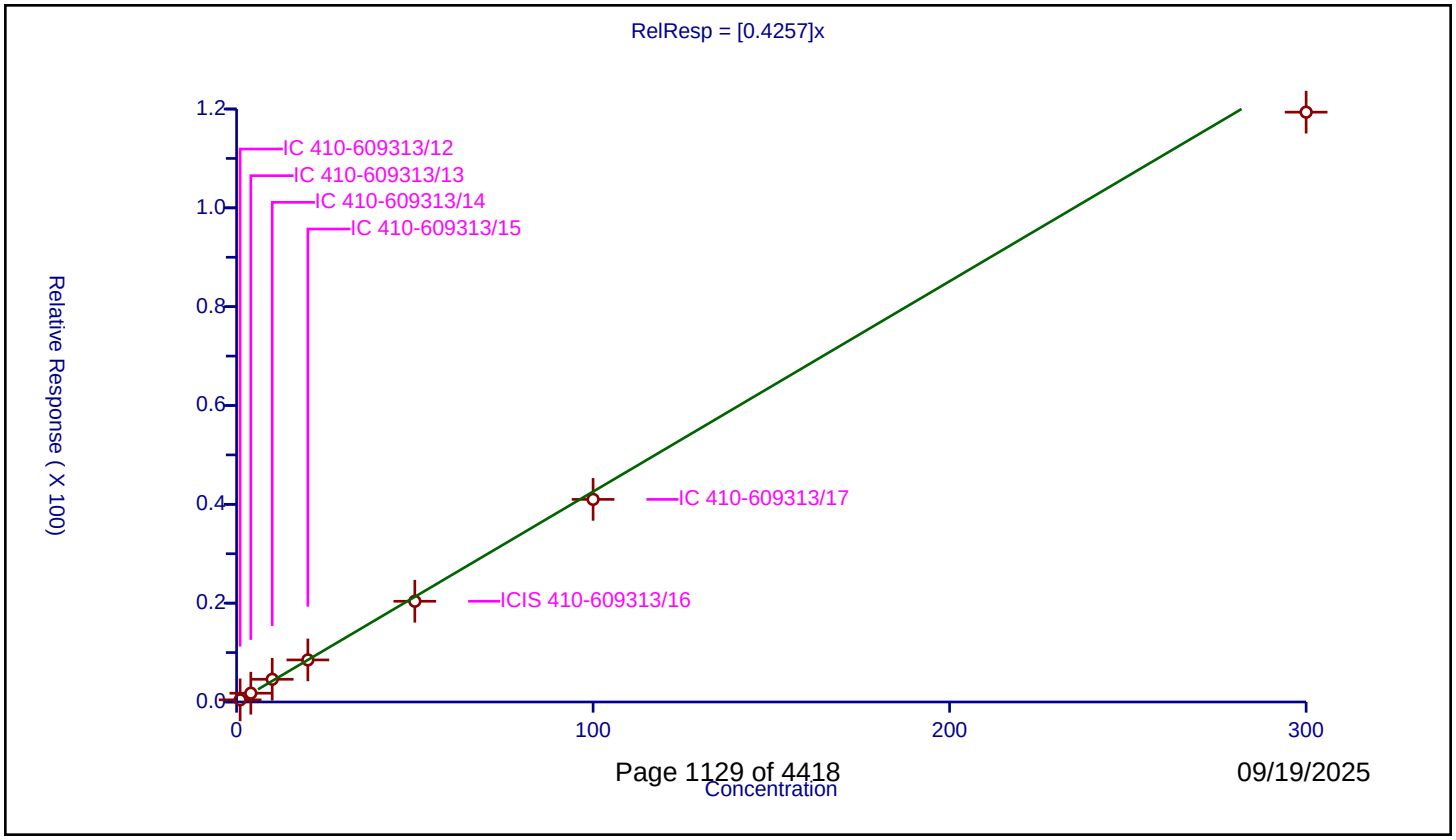
Curve Coefficients

Intercept:	0
Slope:	0.4257

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.43437	50.0	709648.0	0.43437	Y
2	IC 410-609313/13	4.0	1.778242	50.0	710983.0	0.444561	Y
3	IC 410-609313/14	10.0	4.59664	50.0	732459.0	0.459664	Y
4	IC 410-609313/15	20.0	8.514182	50.0	747124.0	0.425709	Y
5	ICIS 410-609313/16	50.0	20.384208	50.0	768178.0	0.407684	Y
6	IC 410-609313/17	100.0	41.002123	50.0	813014.0	0.410021	Y
7	IC 410-609313/18	300.0	119.361579	50.0	862205.0	0.397872	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

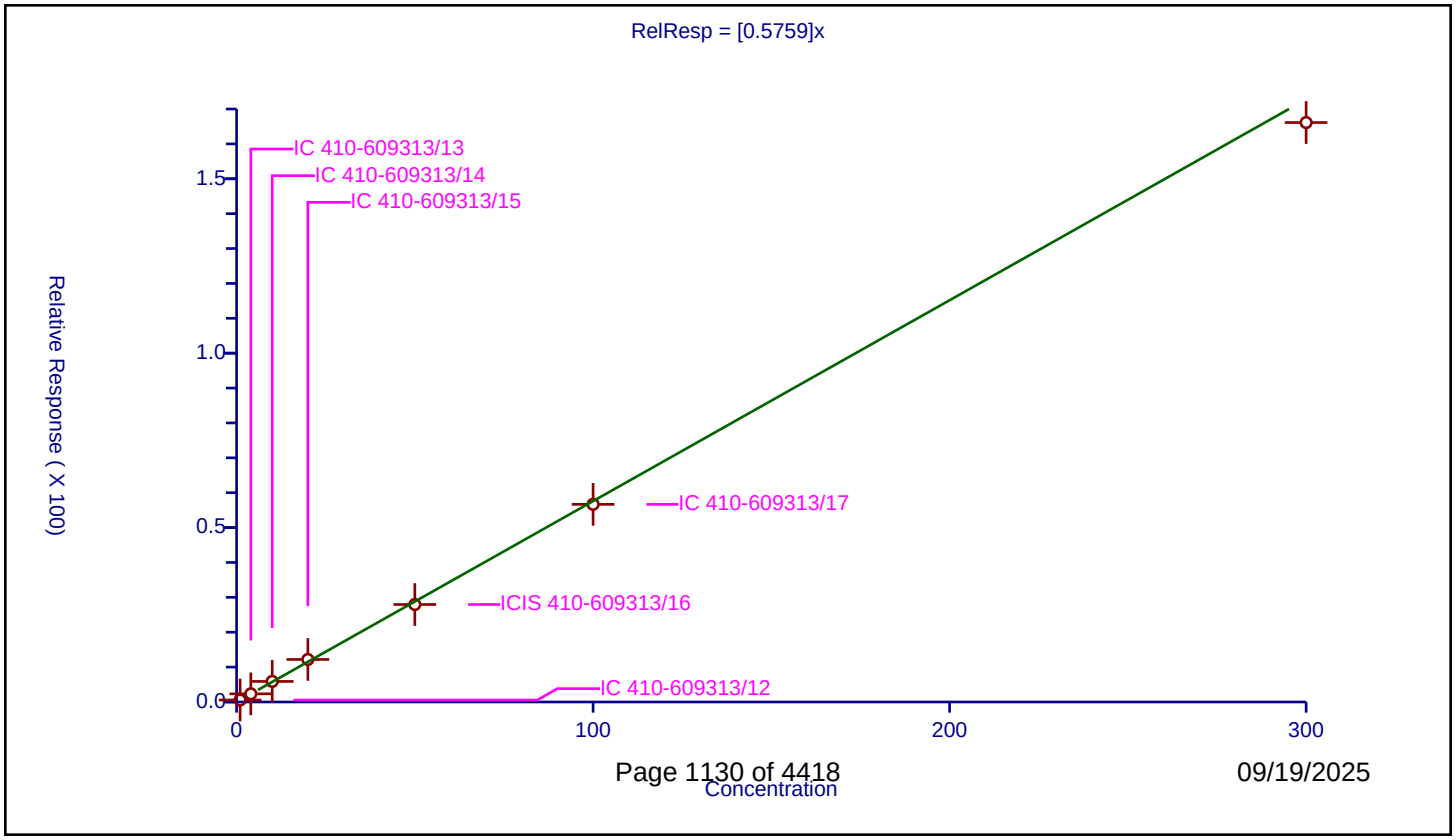
Curve Coefficients

Intercept:	0
Slope:	0.5759

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.568592	50.0	709648.0	0.568592	Y
2	IC 410-609313/13	4.0	2.334936	50.0	710983.0	0.583734	Y
3	IC 410-609313/14	10.0	5.901627	50.0	732459.0	0.590163	Y
4	IC 410-609313/15	20.0	12.188204	50.0	747124.0	0.60941	Y
5	ICIS 410-609313/16	50.0	27.944109	50.0	768178.0	0.558882	Y
6	IC 410-609313/17	100.0	56.665137	50.0	813014.0	0.566651	Y
7	IC 410-609313/18	300.0	166.124124	50.0	862205.0	0.553747	Y



09/19/2025

Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

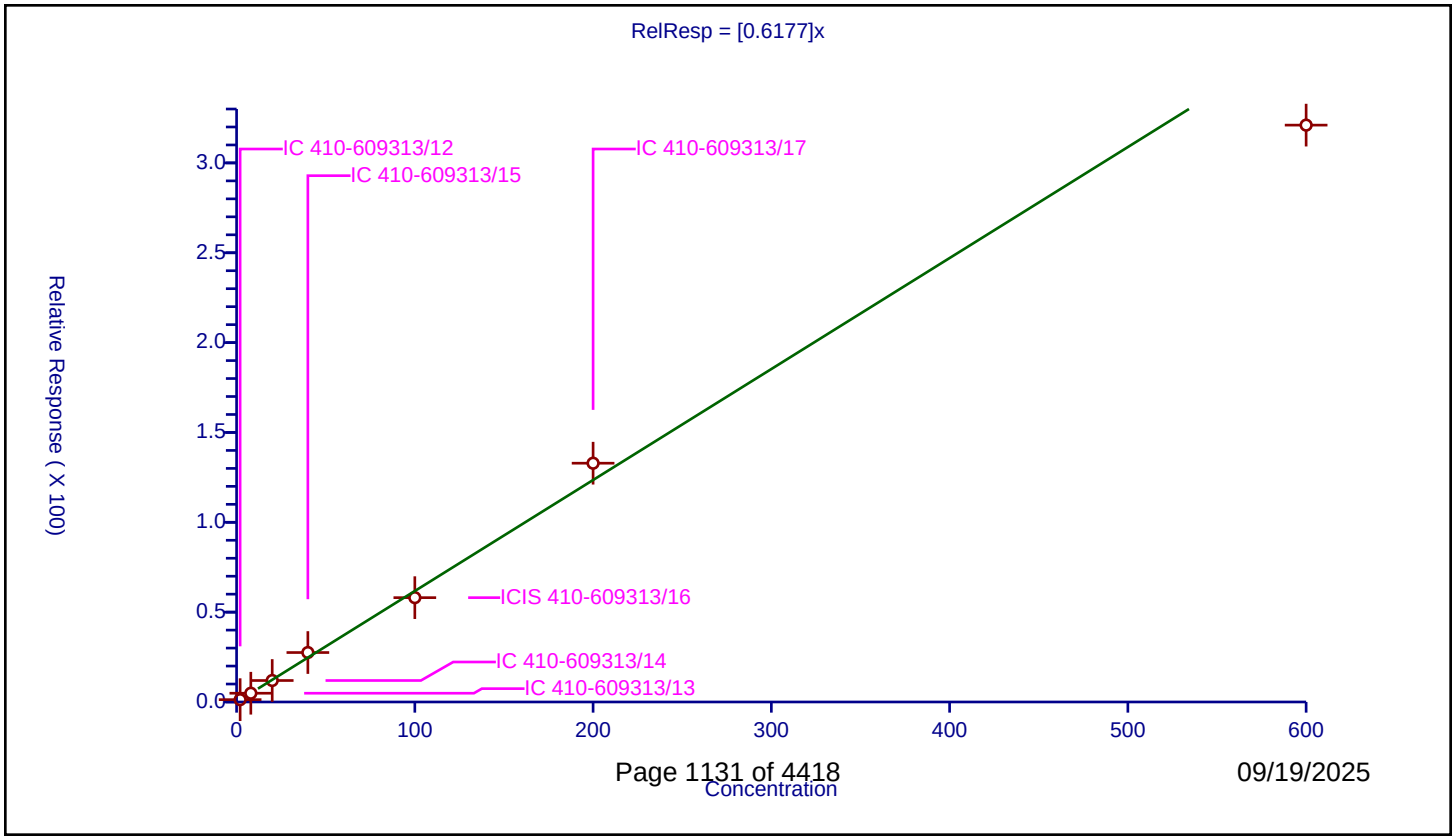
Curve Coefficients

Intercept:	0
Slope:	0.6177

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	2.0	1.294304	50.0	709648.0	0.647152	Y
2	IC 410-609313/13	8.0	4.881833	50.0	710983.0	0.610229	Y
3	IC 410-609313/14	20.0	11.959304	50.0	732459.0	0.597965	Y
4	IC 410-609313/15	40.0	27.524882	50.0	747124.0	0.688122	Y
5	ICIS 410-609313/16	100.0	58.058874	50.0	768178.0	0.580589	Y
6	IC 410-609313/17	200.0	132.886396	50.0	813014.0	0.664432	Y
7	IC 410-609313/18	600.0	321.038152	50.0	862205.0	0.535064	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

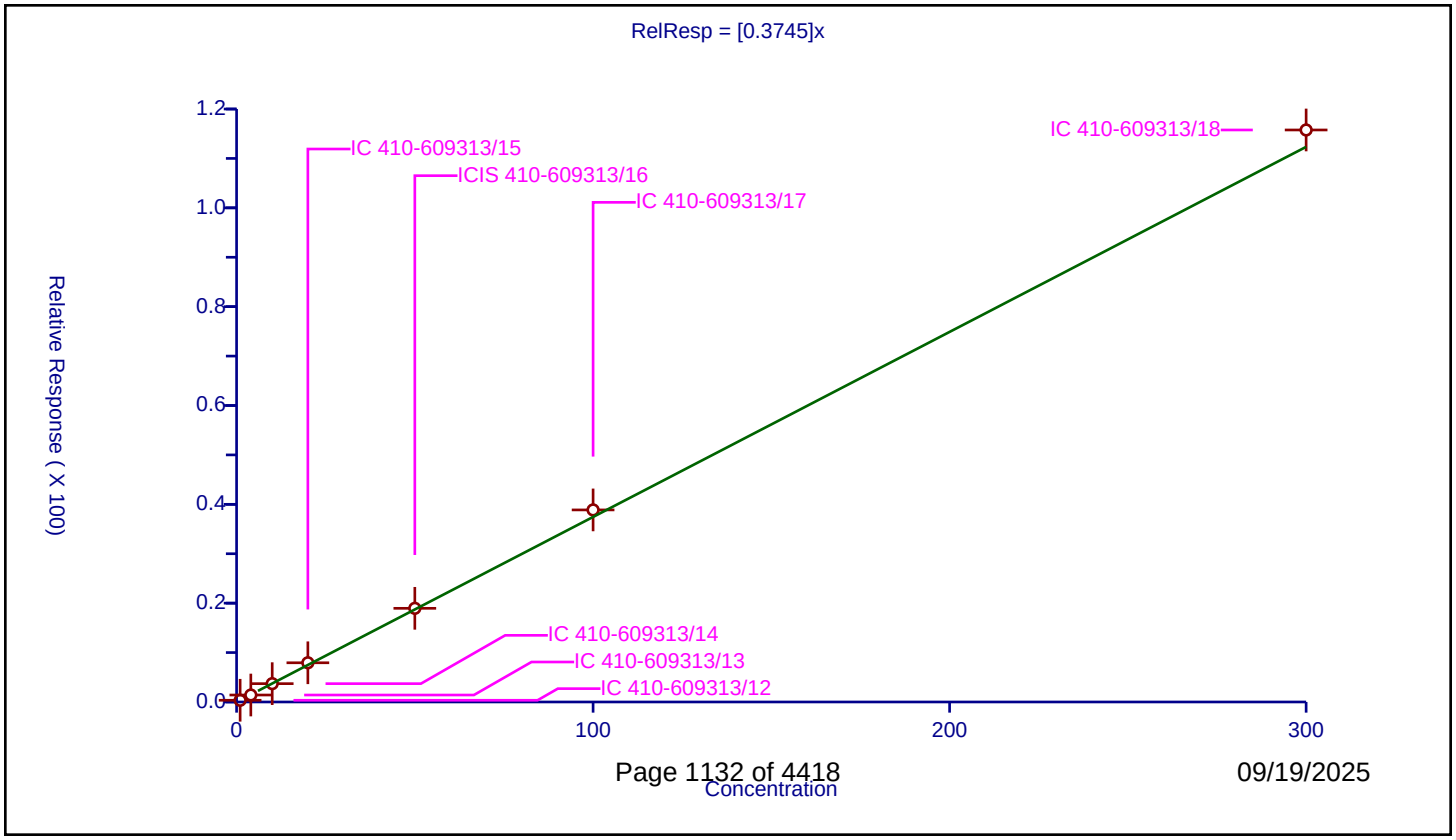
Curve Coefficients

Intercept:	0
Slope:	0.3745

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.347073	50.0	709648.0	0.347073	Y
2	IC 410-609313/13	4.0	1.41002	50.0	710983.0	0.352505	Y
3	IC 410-609313/14	10.0	3.711129	50.0	732459.0	0.371113	Y
4	IC 410-609313/15	20.0	7.938107	50.0	747124.0	0.396905	Y
5	ICIS 410-609313/16	50.0	18.953159	50.0	768178.0	0.379063	Y
6	IC 410-609313/17	100.0	38.869933	50.0	813014.0	0.388699	Y
7	IC 410-609313/18	300.0	115.758491	50.0	862205.0	0.385862	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

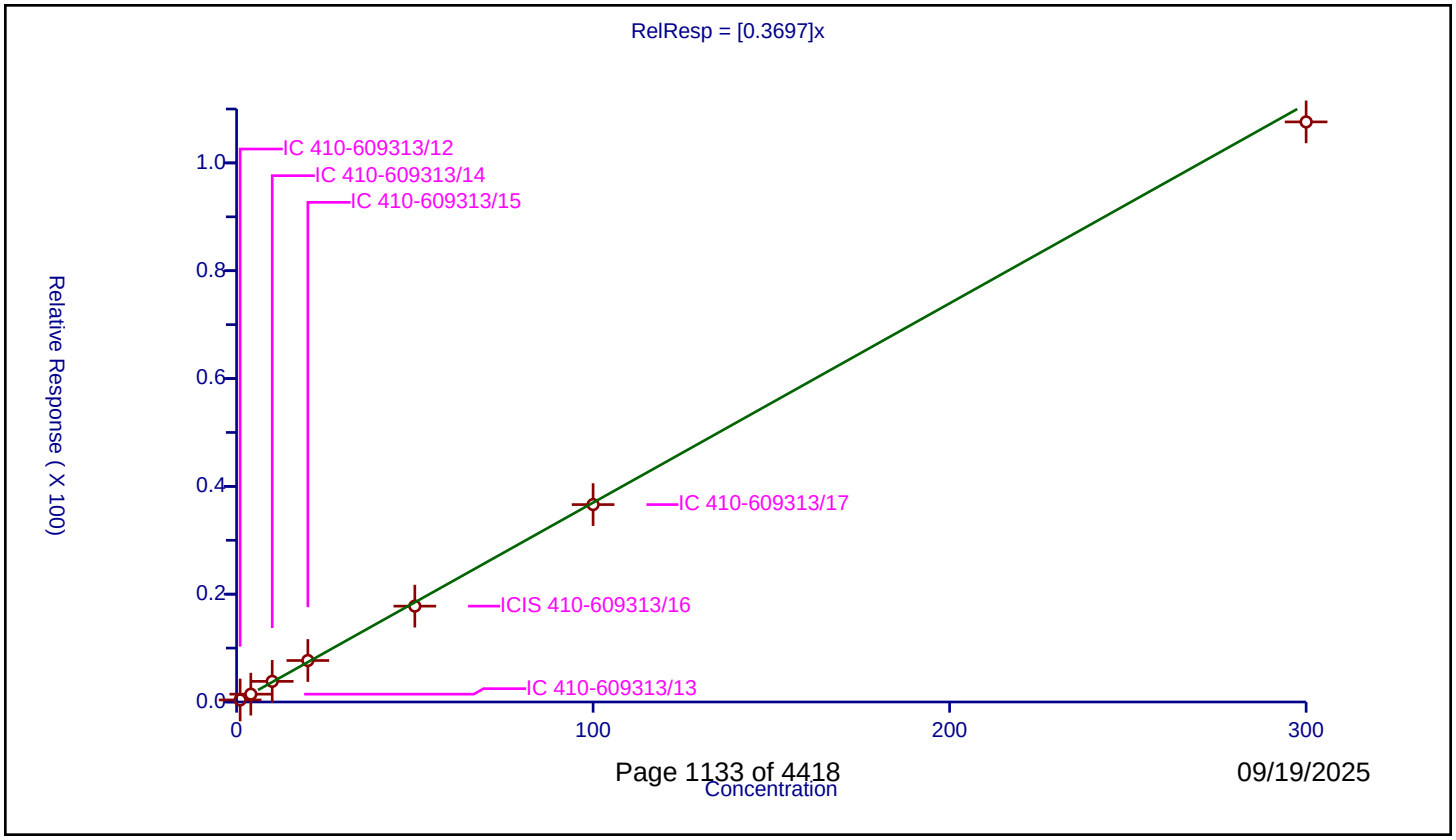
Curve Coefficients

Intercept:	0
Slope:	0.3697

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.376736	50.0	709648.0	0.376736	Y
2	IC 410-609313/13	4.0	1.453059	50.0	710983.0	0.363265	Y
3	IC 410-609313/14	10.0	3.827928	50.0	732459.0	0.382793	Y
4	IC 410-609313/15	20.0	7.696781	50.0	747124.0	0.384839	Y
5	ICIS 410-609313/16	50.0	17.779603	50.0	768178.0	0.355592	Y
6	IC 410-609313/17	100.0	36.618742	50.0	813014.0	0.366187	Y
7	IC 410-609313/18	300.0	107.608167	50.0	862205.0	0.358694	Y



09/19/2025

Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

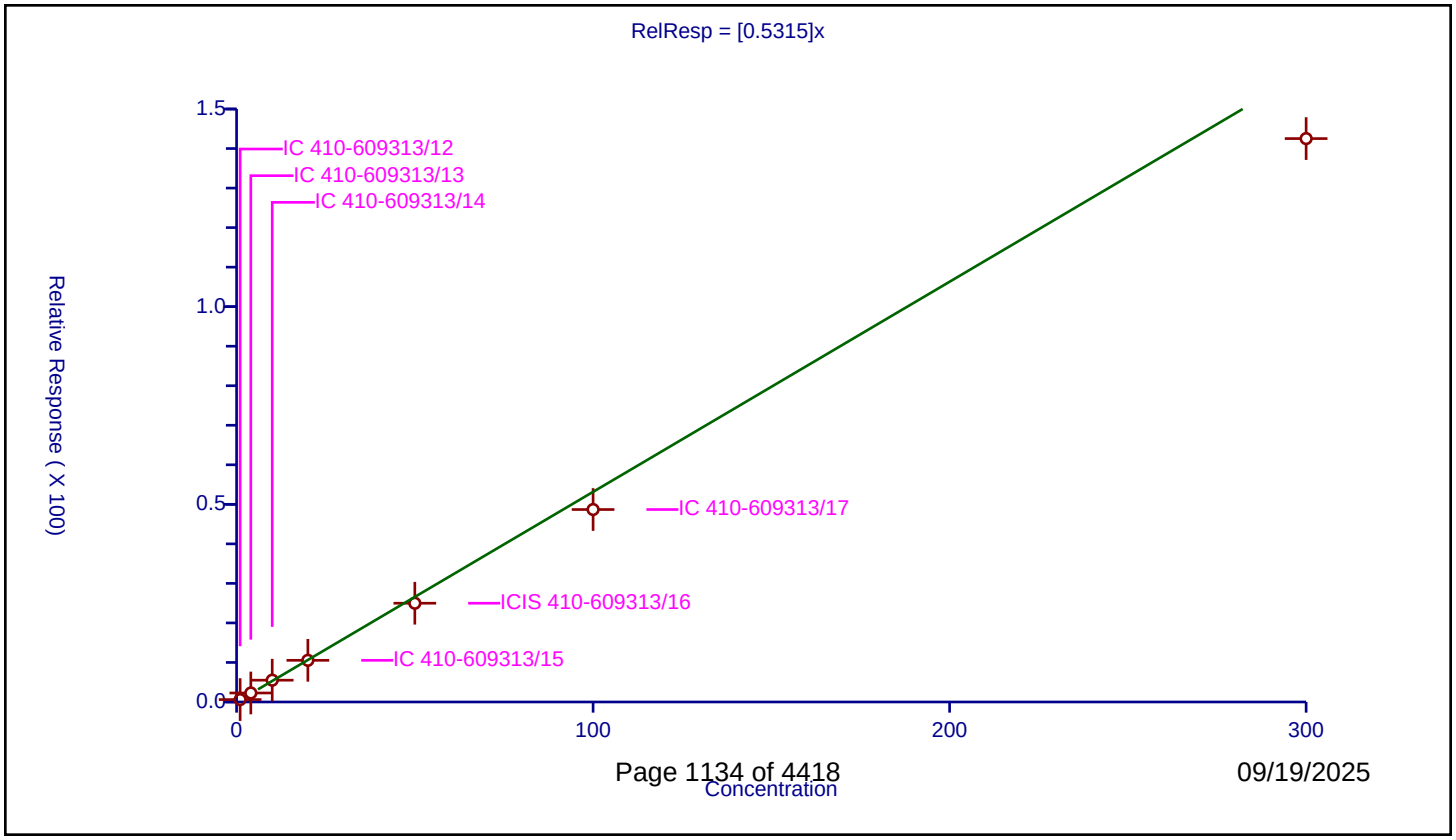
Curve Coefficients

Intercept:	0
Slope:	0.5315

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.611712	50.0	709648.0	0.611712	Y
2	IC 410-609313/13	4.0	2.275441	50.0	710983.0	0.56886	Y
3	IC 410-609313/14	10.0	5.514302	50.0	732459.0	0.55143	Y
4	IC 410-609313/15	20.0	10.541958	50.0	747124.0	0.527098	Y
5	ICIS 410-609313/16	50.0	24.98555	50.0	768178.0	0.499711	Y
6	IC 410-609313/17	100.0	48.686615	50.0	813014.0	0.486866	Y
7	IC 410-609313/18	300.0	142.516107	50.0	862205.0	0.475054	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

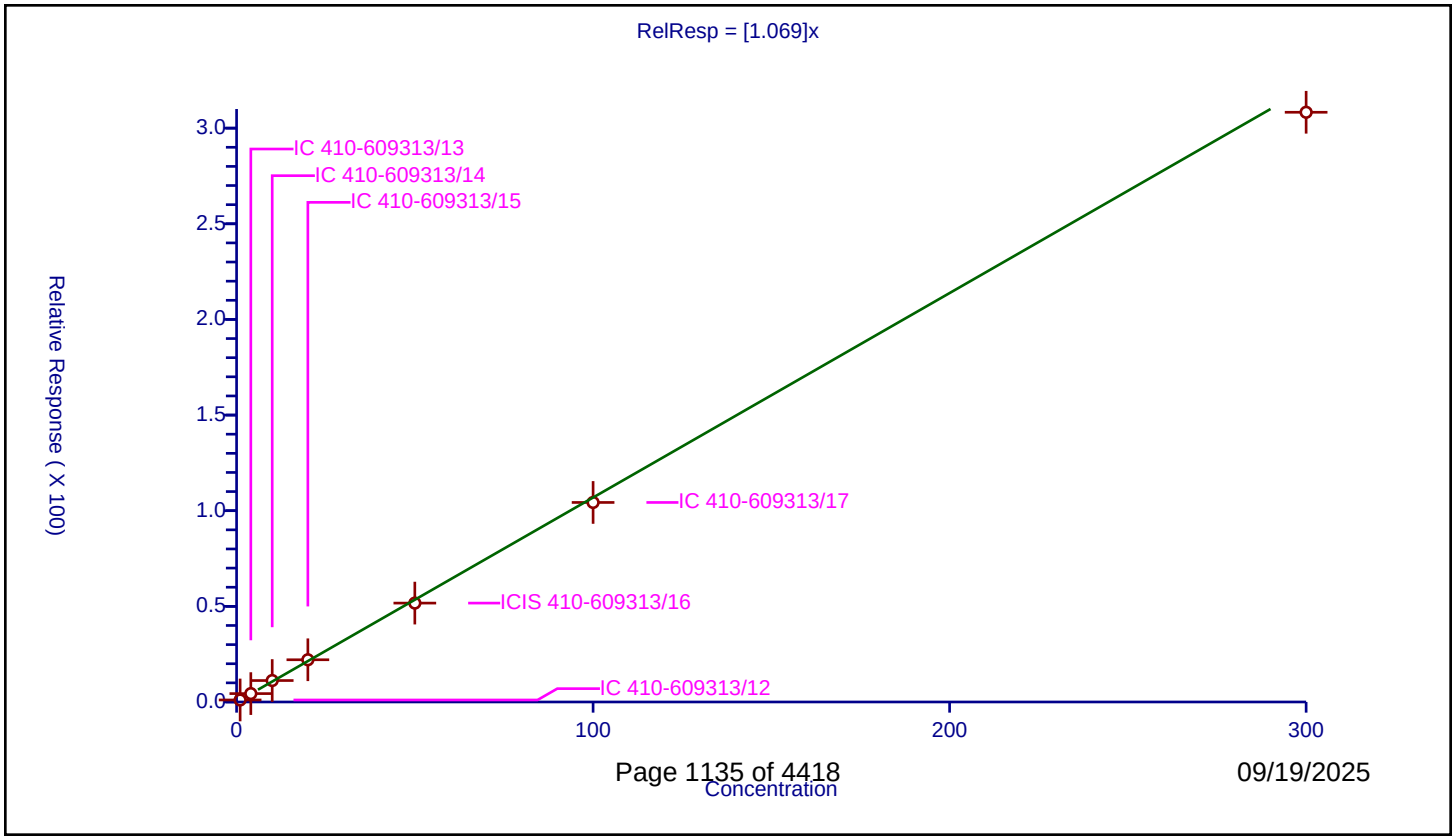
Curve Coefficients

Intercept:	0
Slope:	1.069

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	1.055312	50.0	709648.0	1.055312	Y
2	IC 410-609313/13	4.0	4.390471	50.0	710983.0	1.097618	Y
3	IC 410-609313/14	10.0	11.210116	50.0	732459.0	1.121012	Y
4	IC 410-609313/15	20.0	22.071905	50.0	747124.0	1.103595	Y
5	ICIS 410-609313/16	50.0	51.702926	50.0	768178.0	1.034059	Y
6	IC 410-609313/17	100.0	104.309212	50.0	813014.0	1.043092	Y
7	IC 410-609313/18	300.0	308.30371	50.0	862205.0	1.027679	Y



Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

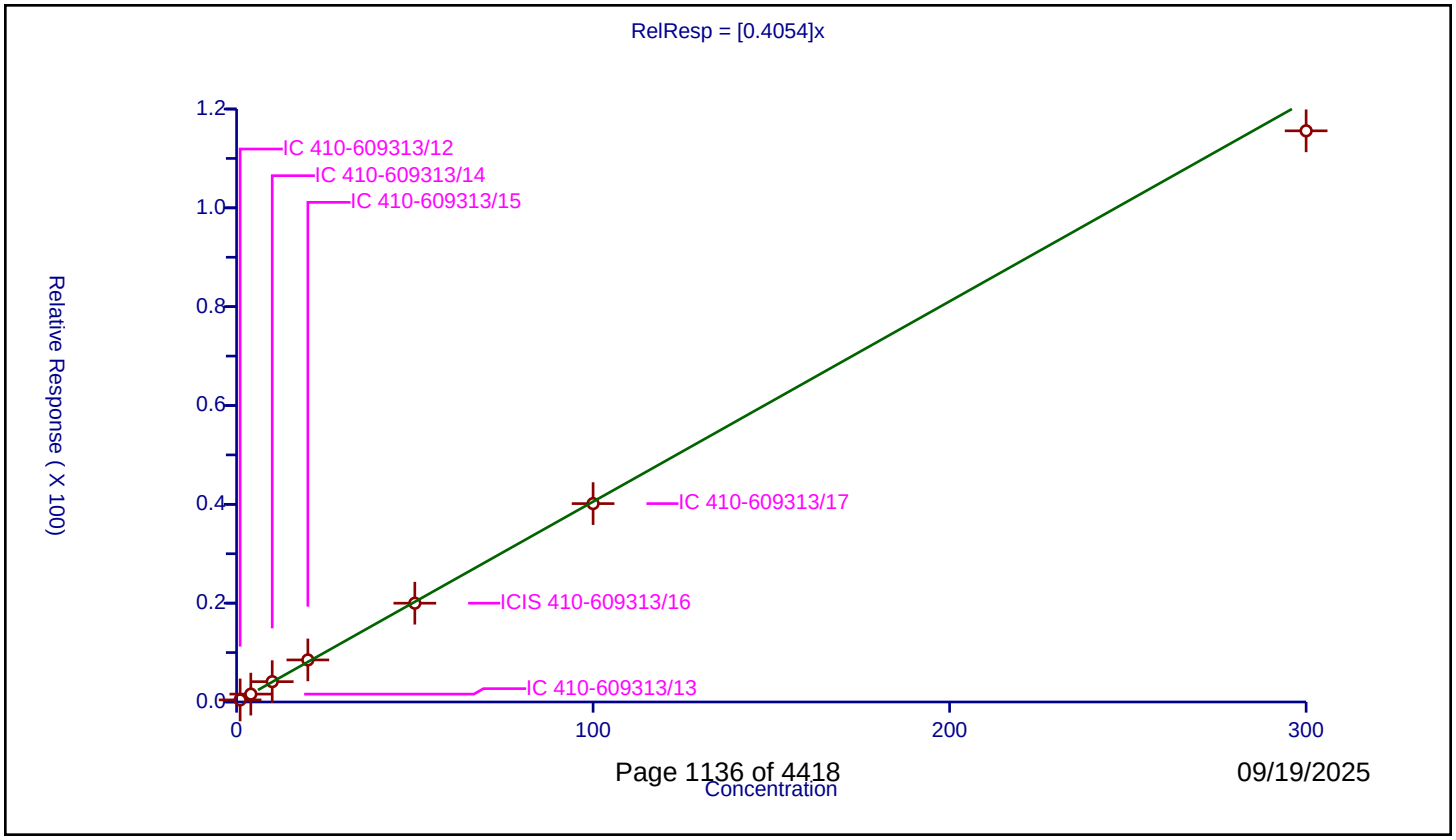
Curve Coefficients

Intercept:	0
Slope:	0.4054

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.41577	50.0	709648.0	0.41577	Y
2	IC 410-609313/13	4.0	1.592162	50.0	710983.0	0.39804	Y
3	IC 410-609313/14	10.0	4.117159	50.0	732459.0	0.411716	Y
4	IC 410-609313/15	20.0	8.511706	50.0	747124.0	0.425585	Y
5	ICIS 410-609313/16	50.0	19.991916	50.0	768178.0	0.399838	Y
6	IC 410-609313/17	100.0	40.14648	50.0	813014.0	0.401465	Y
7	IC 410-609313/18	300.0	115.584345	50.0	862205.0	0.385281	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

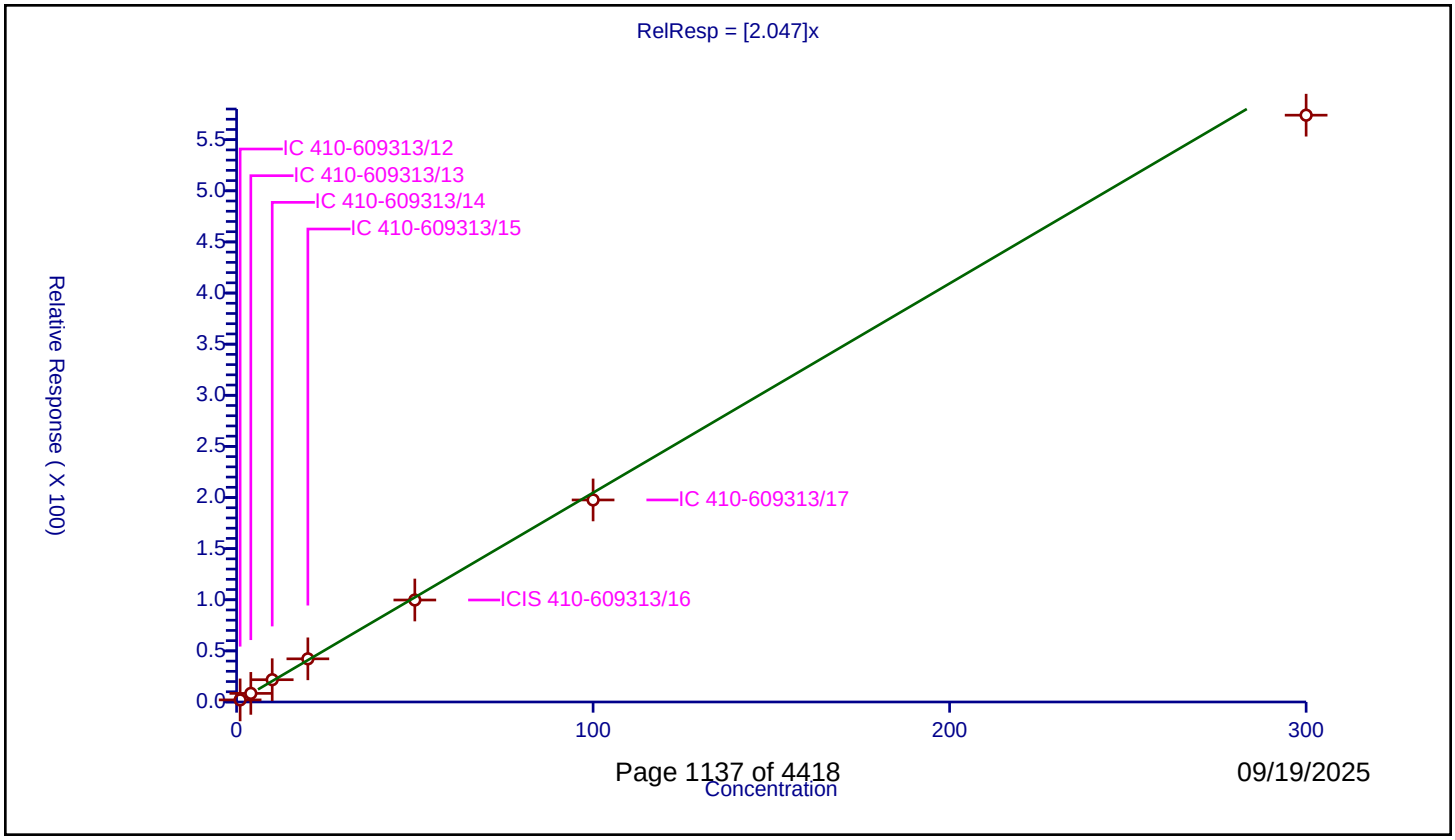
Curve Coefficients

Intercept:	0
Slope:	2.047

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	2.051651	50.0	709648.0	2.051651	Y
2	IC 410-609313/13	4.0	8.411312	50.0	710983.0	2.102828	Y
3	IC 410-609313/14	10.0	21.788796	50.0	732459.0	2.17888	Y
4	IC 410-609313/15	20.0	42.204574	50.0	747124.0	2.110229	Y
5	ICIS 410-609313/16	50.0	99.747324	50.0	768178.0	1.994946	Y
6	IC 410-609313/17	100.0	197.616954	50.0	813014.0	1.97617	Y
7	IC 410-609313/18	300.0	573.969242	50.0	862205.0	1.913231	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

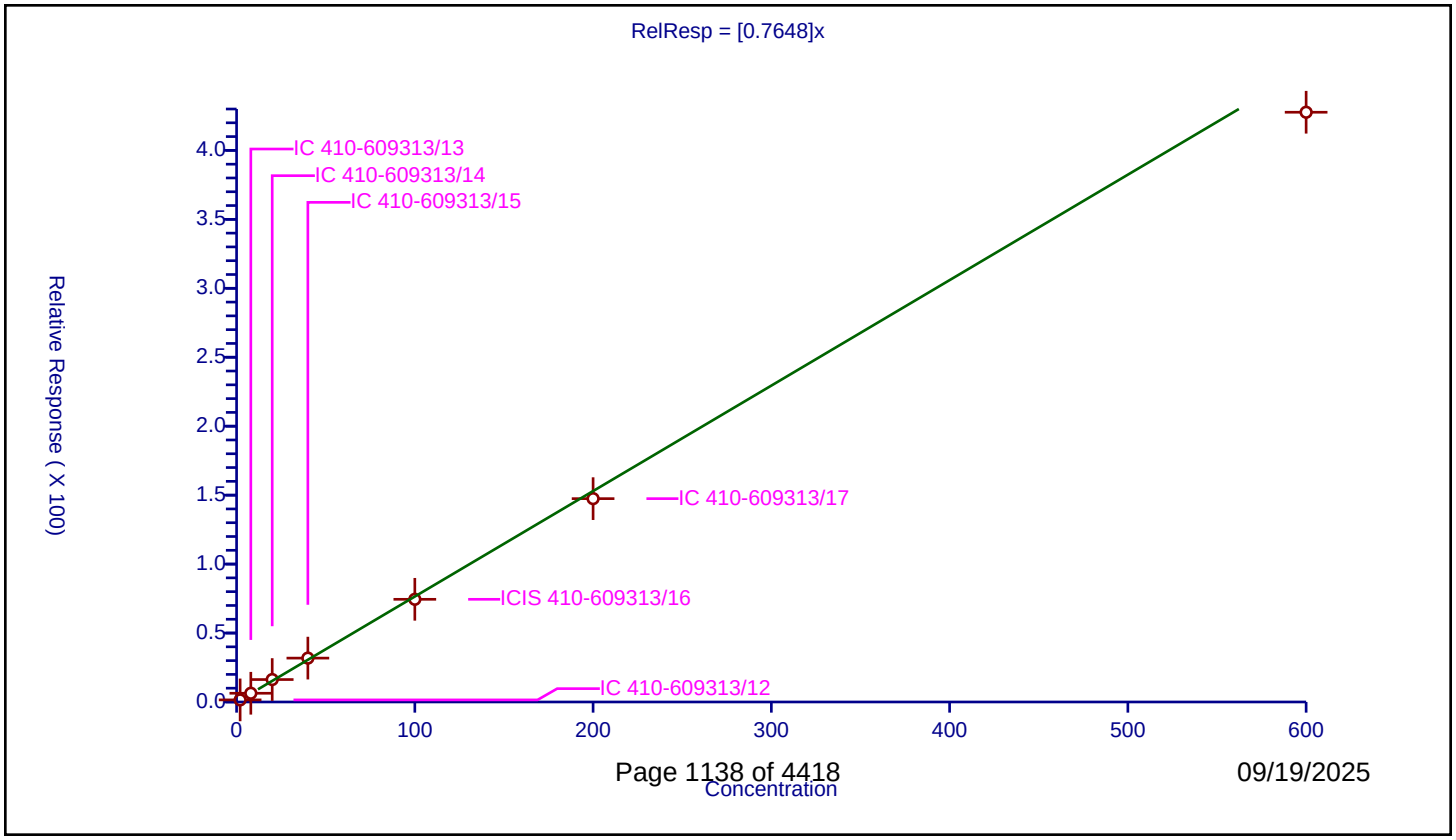
Curve Coefficients

Intercept:	0
Slope:	0.7648

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	2.0	1.514695	50.0	709648.0	0.757347	Y
2	IC 410-609313/13	8.0	6.337986	50.0	710983.0	0.792248	Y
3	IC 410-609313/14	20.0	16.277362	50.0	732459.0	0.813868	Y
4	IC 410-609313/15	40.0	31.813595	50.0	747124.0	0.79534	Y
5	ICIS 410-609313/16	100.0	74.450974	50.0	768178.0	0.74451	Y
6	IC 410-609313/17	200.0	147.453918	50.0	813014.0	0.73727	Y
7	IC 410-609313/18	600.0	427.667086	50.0	862205.0	0.712778	Y



Calibration / n-Butyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

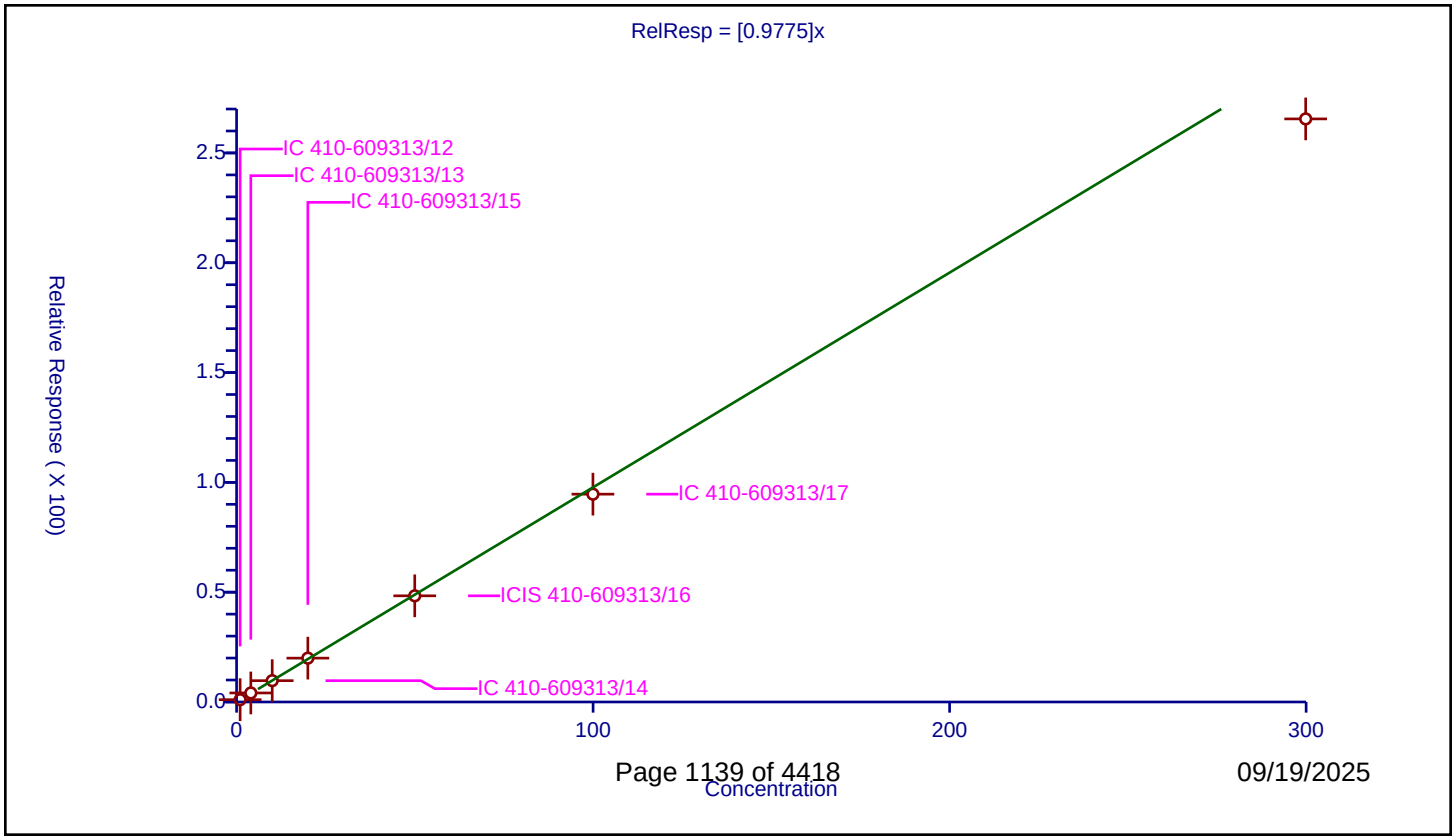
Curve Coefficients

Intercept:	0
Slope:	0.9775

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	0.999582	1.045377	50.0	709648.0	1.045814	Y
2	IC 410-609313/13	3.99833	4.107482	50.0	710983.0	1.0273	Y
3	IC 410-609313/14	9.995824	9.709895	50.0	732459.0	0.971395	Y
4	IC 410-609313/15	19.991648	19.968305	50.0	747124.0	0.998832	Y
5	ICIS 410-609313/16	49.97912	48.347323	50.0	768178.0	0.96735	Y
6	IC 410-609313/17	99.95824	94.627952	50.0	813014.0	0.946675	Y
7	IC 410-609313/18	299.87472	265.490168	50.0	862205.0	0.885337	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

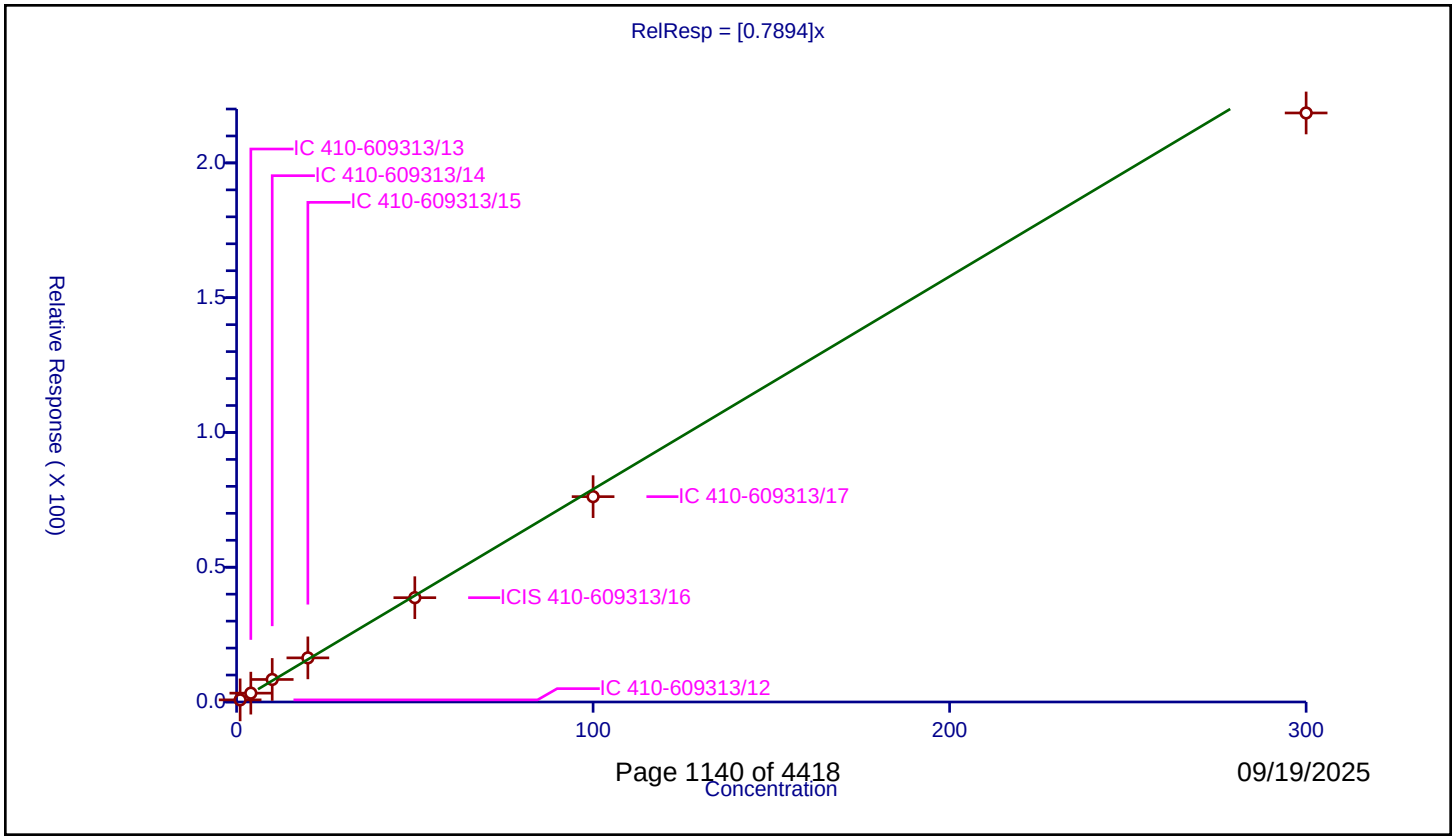
Curve Coefficients

Intercept:	0
Slope:	0.7894

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.787503	50.0	709648.0	0.787503	Y
2	IC 410-609313/13	4.0	3.280388	50.0	710983.0	0.820097	Y
3	IC 410-609313/14	10.0	8.3533	50.0	732459.0	0.83533	Y
4	IC 410-609313/15	20.0	16.368166	50.0	747124.0	0.818408	Y
5	ICIS 410-609313/16	50.0	38.695914	50.0	768178.0	0.773918	Y
6	IC 410-609313/17	100.0	76.182882	50.0	813014.0	0.761829	Y
7	IC 410-609313/18	300.0	218.533063	50.0	862205.0	0.728444	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

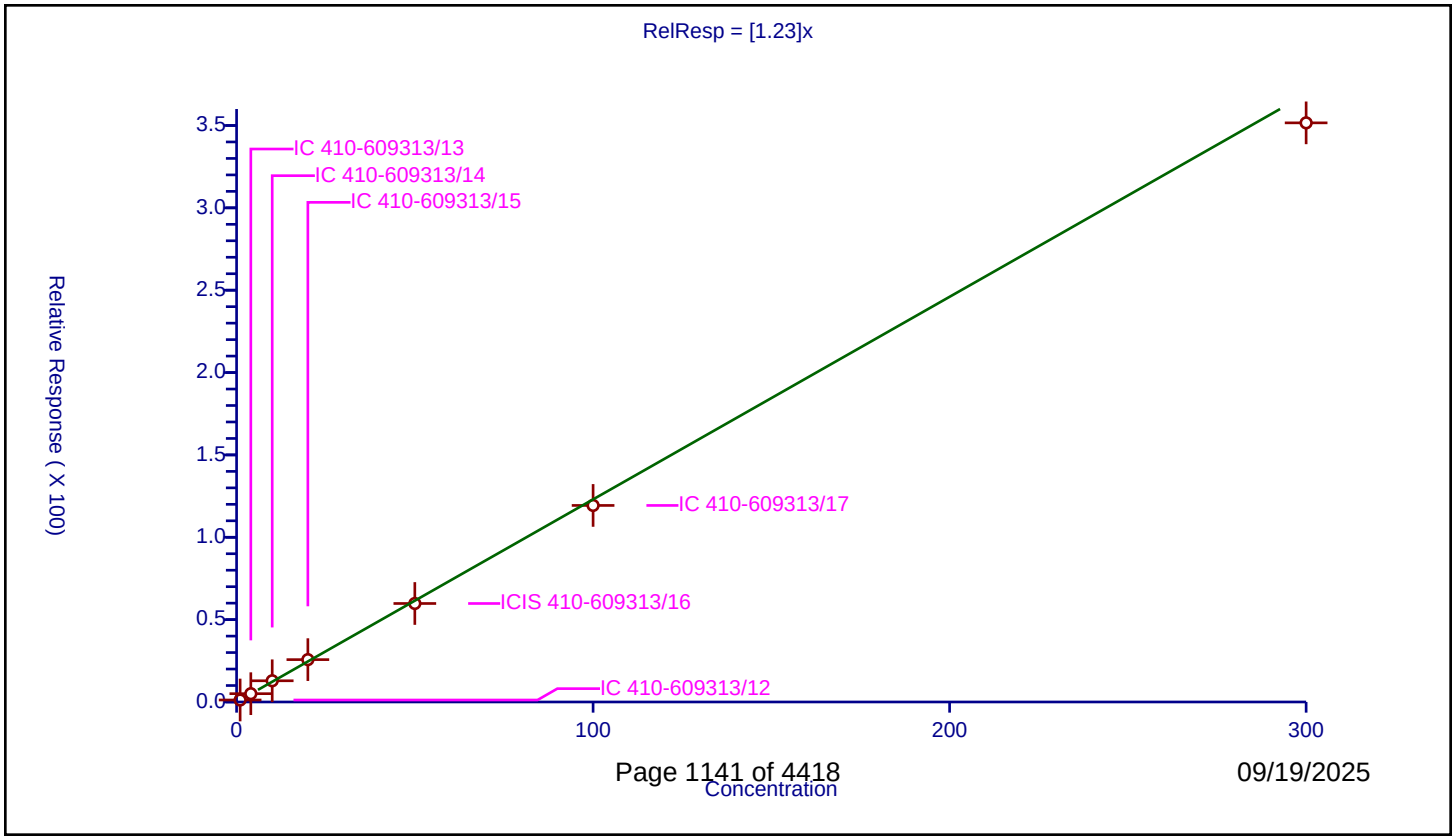
Curve Coefficients

Intercept:	0
Slope:	1.23

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	1.213559	50.0	709648.0	1.213559	Y
2	IC 410-609313/13	4.0	5.041682	50.0	710983.0	1.26042	Y
3	IC 410-609313/14	10.0	12.883861	50.0	732459.0	1.288386	Y
4	IC 410-609313/15	20.0	25.719961	50.0	747124.0	1.285998	Y
5	ICIS 410-609313/16	50.0	59.797599	50.0	768178.0	1.195952	Y
6	IC 410-609313/17	100.0	119.325559	50.0	813014.0	1.193256	Y
7	IC 410-609313/18	300.0	351.596024	50.0	862205.0	1.171987	Y



09/19/2025

Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

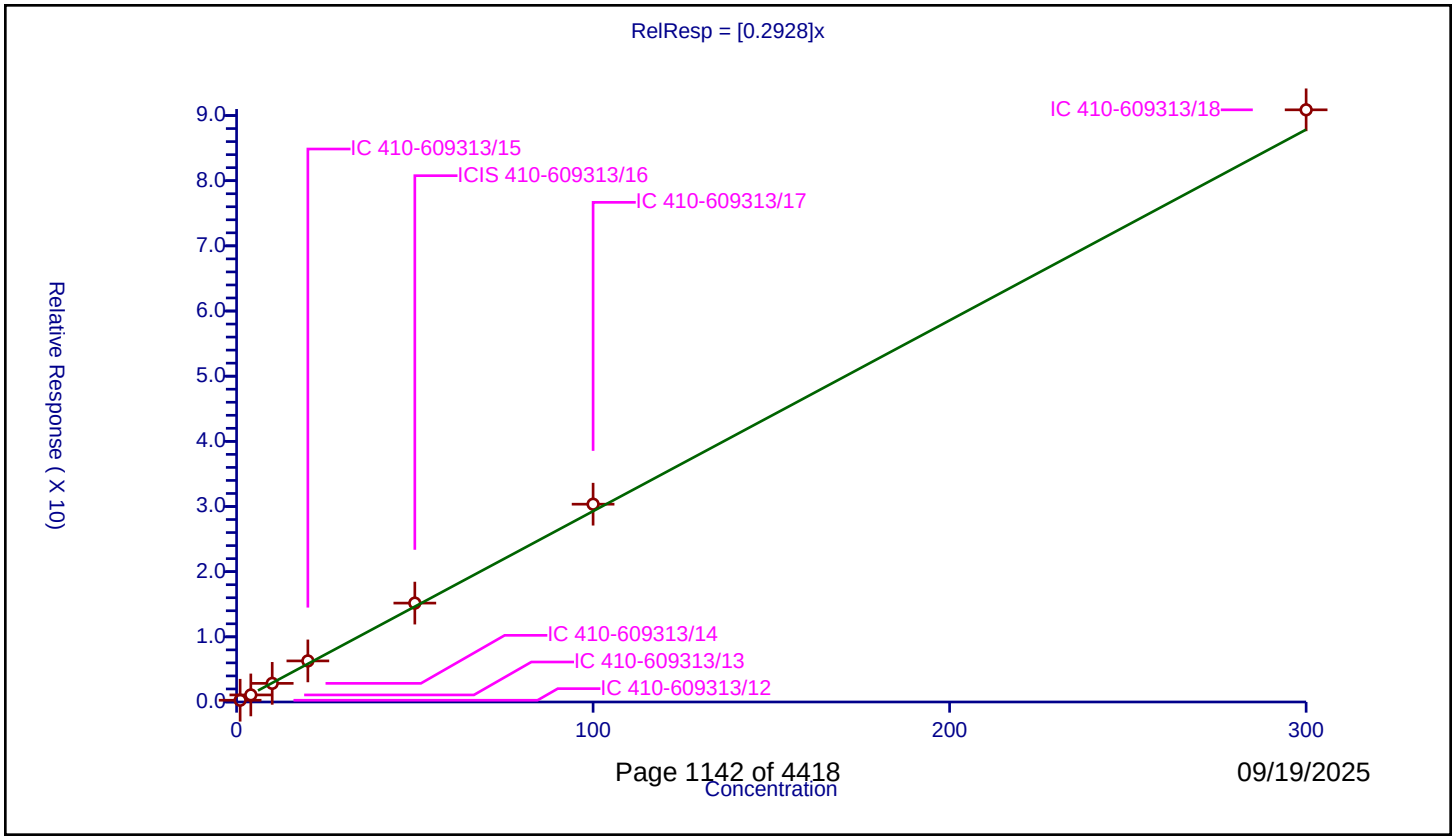
Curve Coefficients

Intercept:	0
Slope:	0.2928

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.268372	50.0	709648.0	0.268372	Y
2	IC 410-609313/13	4.0	1.08146	50.0	710983.0	0.270365	Y
3	IC 410-609313/14	10.0	2.857976	50.0	732459.0	0.285798	Y
4	IC 410-609313/15	20.0	6.303037	50.0	747124.0	0.315152	Y
5	ICIS 410-609313/16	50.0	15.175519	50.0	768178.0	0.30351	Y
6	IC 410-609313/17	100.0	30.354828	50.0	813014.0	0.303548	Y
7	IC 410-609313/18	300.0	90.875836	50.0	862205.0	0.302919	Y



09/19/2025

Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

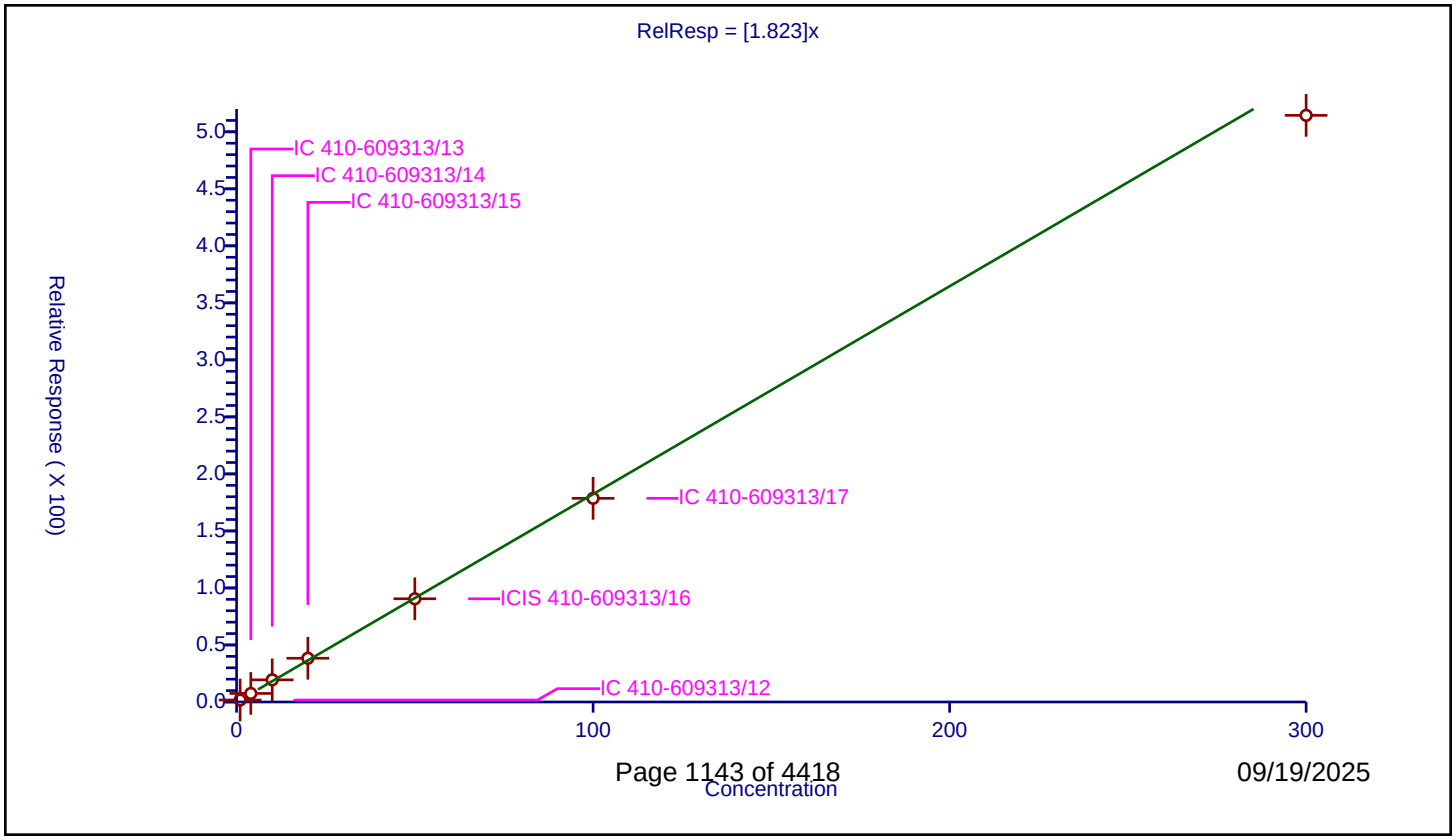
Curve Coefficients

Intercept:	0
Slope:	1.823

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	1.717683	50.0	709648.0	1.717683	Y
2	IC 410-609313/13	4.0	7.484075	50.0	710983.0	1.871019	Y
3	IC 410-609313/14	10.0	19.423545	50.0	732459.0	1.942354	Y
4	IC 410-609313/15	20.0	38.35354	50.0	747124.0	1.917677	Y
5	ICIS 410-609313/16	50.0	90.519906	50.0	768178.0	1.810398	Y
6	IC 410-609313/17	100.0	178.606518	50.0	813014.0	1.786065	Y
7	IC 410-609313/18	300.0	514.442969	50.0	862205.0	1.71481	Y



Calibration / Cyclohexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

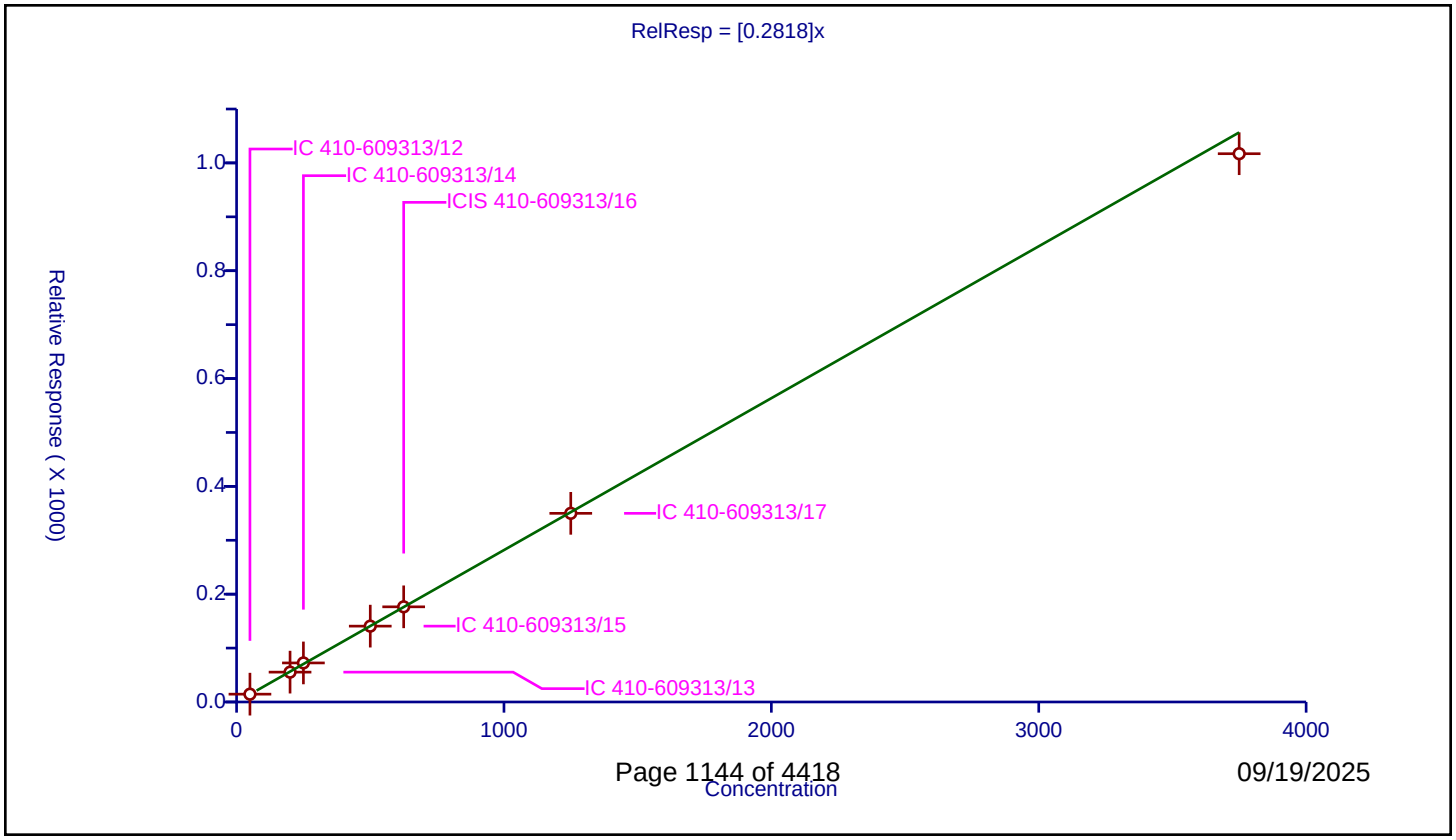
Curve Coefficients

Intercept:	0
Slope:	0.2818

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	49.995598	14.522893	250.0	389609.0	0.290483	Y
2	IC 410-609313/13	199.982394	55.372199	250.0	375861.0	0.276885	Y
3	IC 410-609313/14	249.977992	72.454035	250.0	380072.0	0.289842	Y
4	IC 410-609313/15	499.955984	140.733308	250.0	383454.0	0.281491	Y
5	ICIS 410-609313/16	624.94498	176.513014	250.0	405548.0	0.282446	Y
6	IC 410-609313/17	1249.88996	349.97933	250.0	403971.0	0.280008	Y
7	IC 410-609313/18	3749.66988	1017.069658	250.0	374202.0	0.271242	Y



09/19/2025

Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

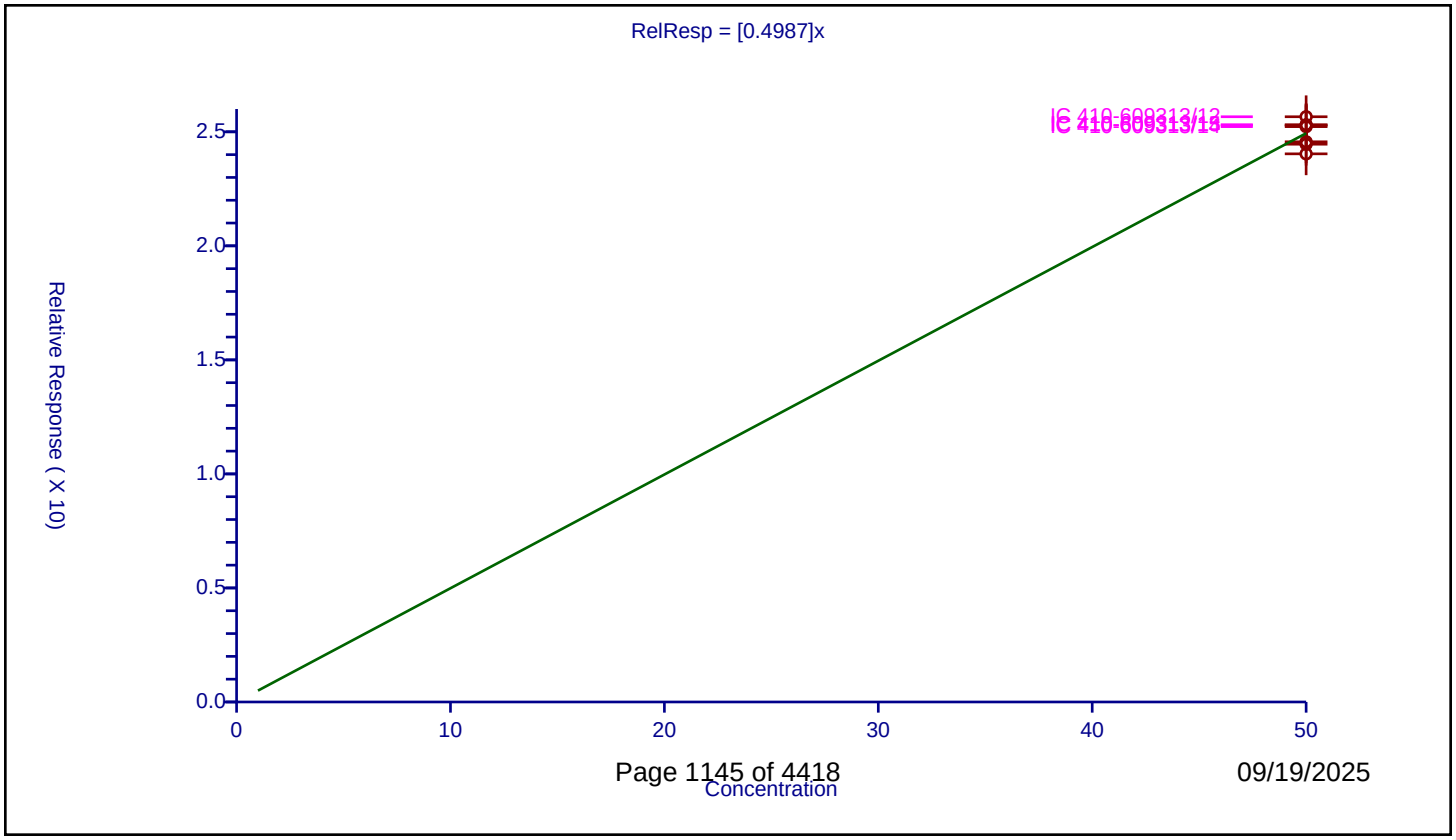
Curve Coefficients

Intercept:	0
Slope:	0.4987

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	50.0	25.661314	50.0	709648.0	0.513226	Y
2	IC 410-609313/13	50.0	25.307778	50.0	710983.0	0.506156	Y
3	IC 410-609313/14	50.0	25.2266	50.0	732459.0	0.504532	Y
4	IC 410-609313/15	50.0	25.294061	50.0	747124.0	0.505881	Y
5	ICIS 410-609313/16	50.0	24.563122	50.0	768178.0	0.491262	Y
6	IC 410-609313/17	50.0	24.034457	50.0	813014.0	0.480689	Y
7	IC 410-609313/18	50.0	24.456945	50.0	862205.0	0.489139	Y



09/19/2025

Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

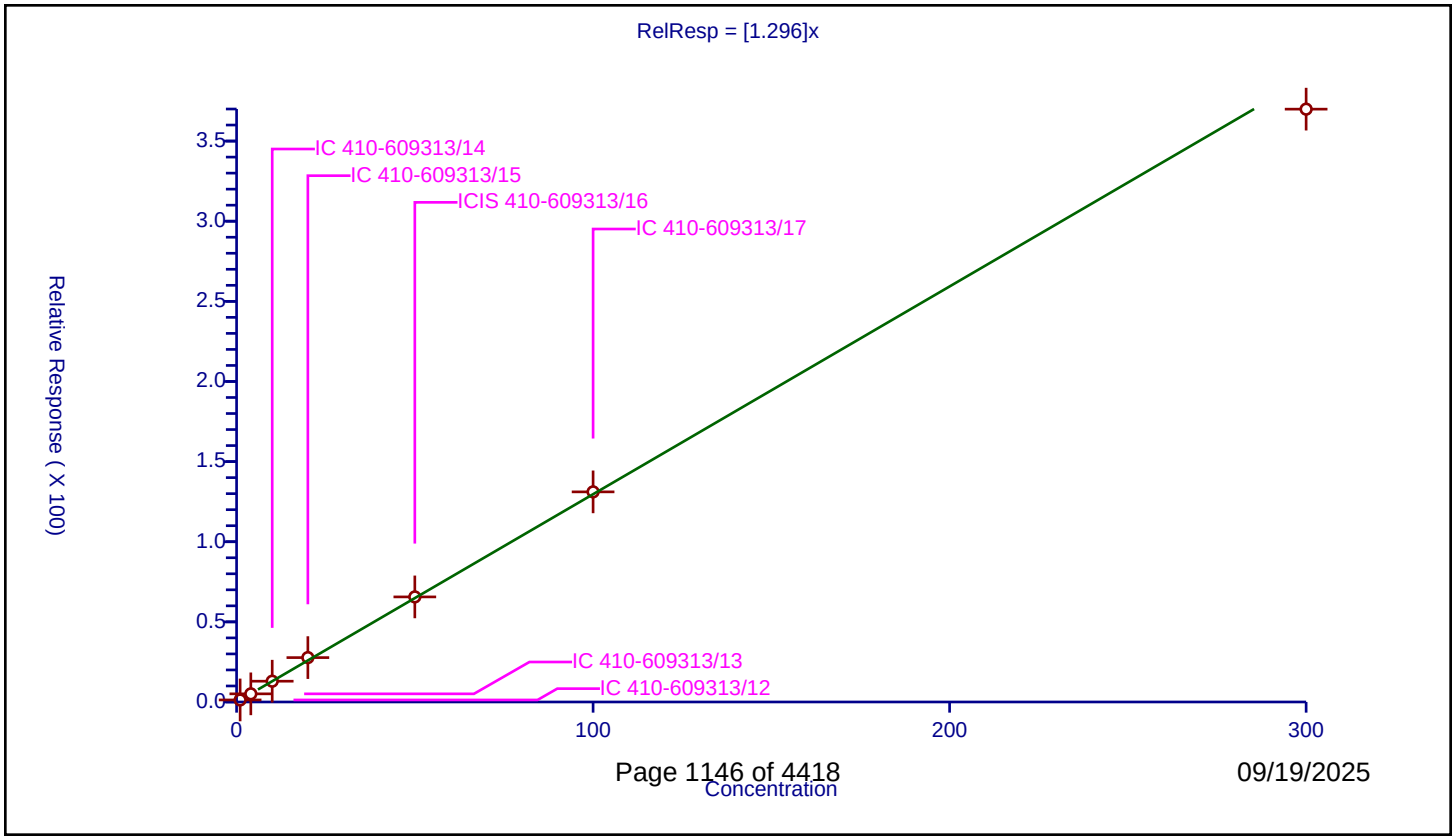
Curve Coefficients

Intercept:	0
Slope:	1.296

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	1.26476	50.0	400313.0	1.26476	Y
2	IC 410-609313/13	4.0	5.089853	50.0	400375.0	1.272463	Y
3	IC 410-609313/14	10.0	12.970042	50.0	403129.0	1.297004	Y
4	IC 410-609313/15	20.0	27.698243	50.0	414705.0	1.384912	Y
5	ICIS 410-609313/16	50.0	65.573381	50.0	416634.0	1.311468	Y
6	IC 410-609313/17	100.0	131.116879	50.0	423063.0	1.311169	Y
7	IC 410-609313/18	300.0	369.91032	50.0	440676.0	1.233034	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

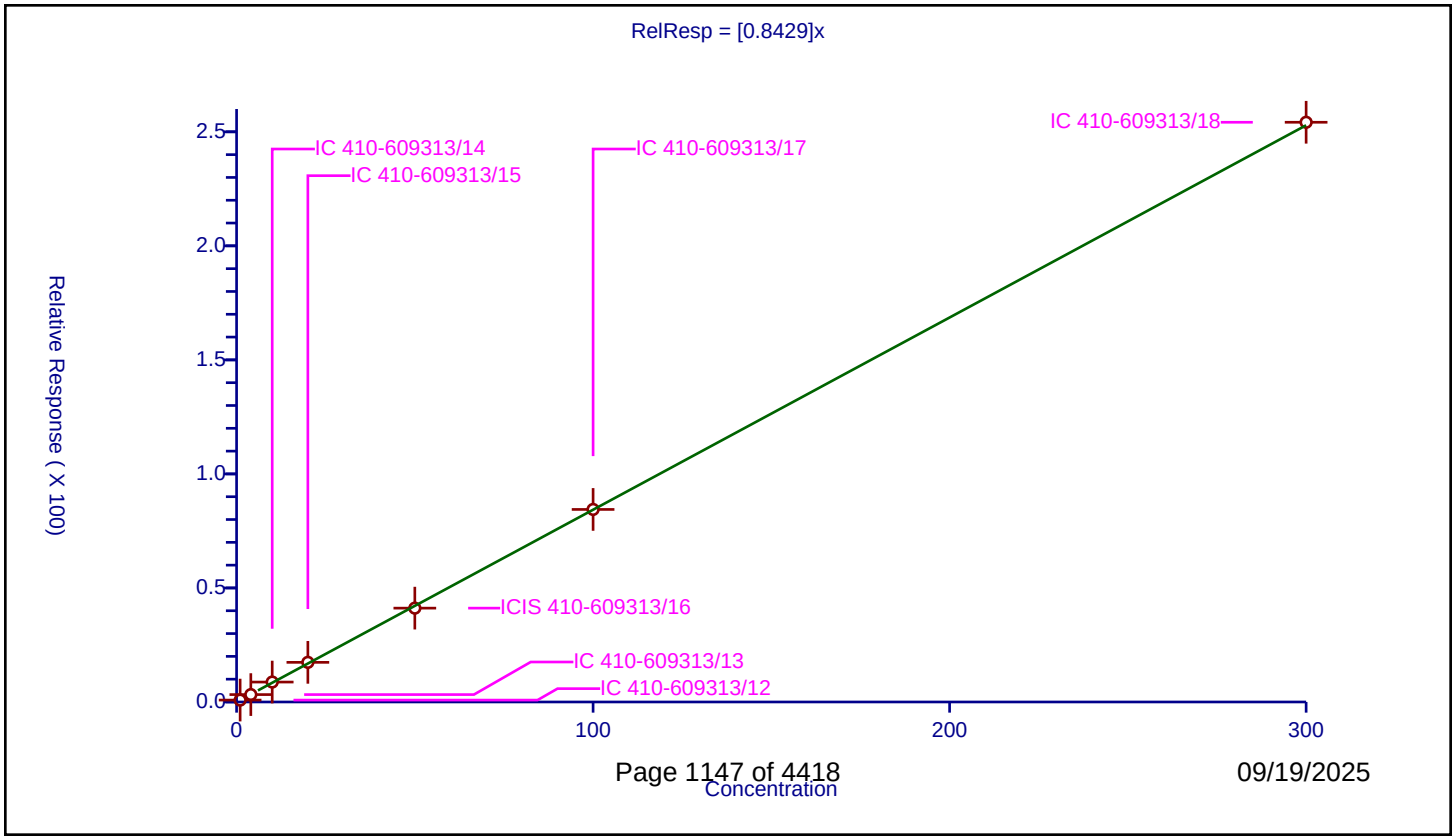
Curve Coefficients

Intercept:	0
Slope:	0.8429

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.831599	50.0	400313.0	0.831599	Y
2	IC 410-609313/13	4.0	3.24271	50.0	400375.0	0.810677	Y
3	IC 410-609313/14	10.0	8.74534	50.0	403129.0	0.874534	Y
4	IC 410-609313/15	20.0	17.380909	50.0	414705.0	0.869045	Y
5	ICIS 410-609313/16	50.0	41.147626	50.0	416634.0	0.822953	Y
6	IC 410-609313/17	100.0	84.422887	50.0	423063.0	0.844229	Y
7	IC 410-609313/18	300.0	254.187544	50.0	440676.0	0.847292	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

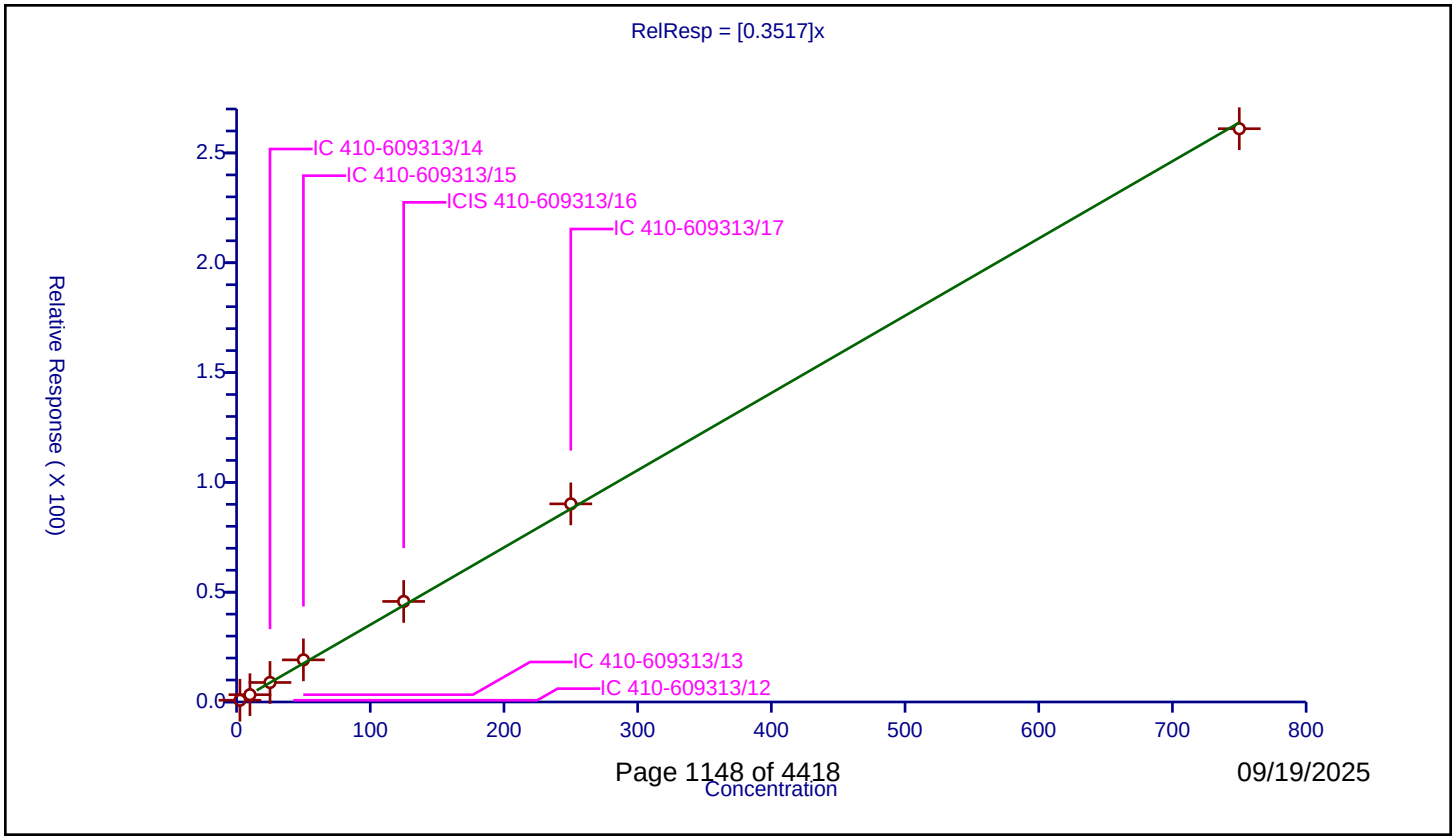
Curve Coefficients

Intercept:	0
Slope:	0.3517

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	2.5	0.791631	50.0	400313.0	0.316652	Y
2	IC 410-609313/13	10.0	3.316641	50.0	400375.0	0.331664	Y
3	IC 410-609313/14	25.0	8.883013	50.0	403129.0	0.355321	Y
4	IC 410-609313/15	50.0	19.173509	50.0	414705.0	0.38347	Y
5	ICIS 410-609313/16	125.0	45.780229	50.0	416634.0	0.366242	Y
6	IC 410-609313/17	250.0	90.21446	50.0	423063.0	0.360858	Y
7	IC 410-609313/18	750.0	261.028738	50.0	440676.0	0.348038	Y



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

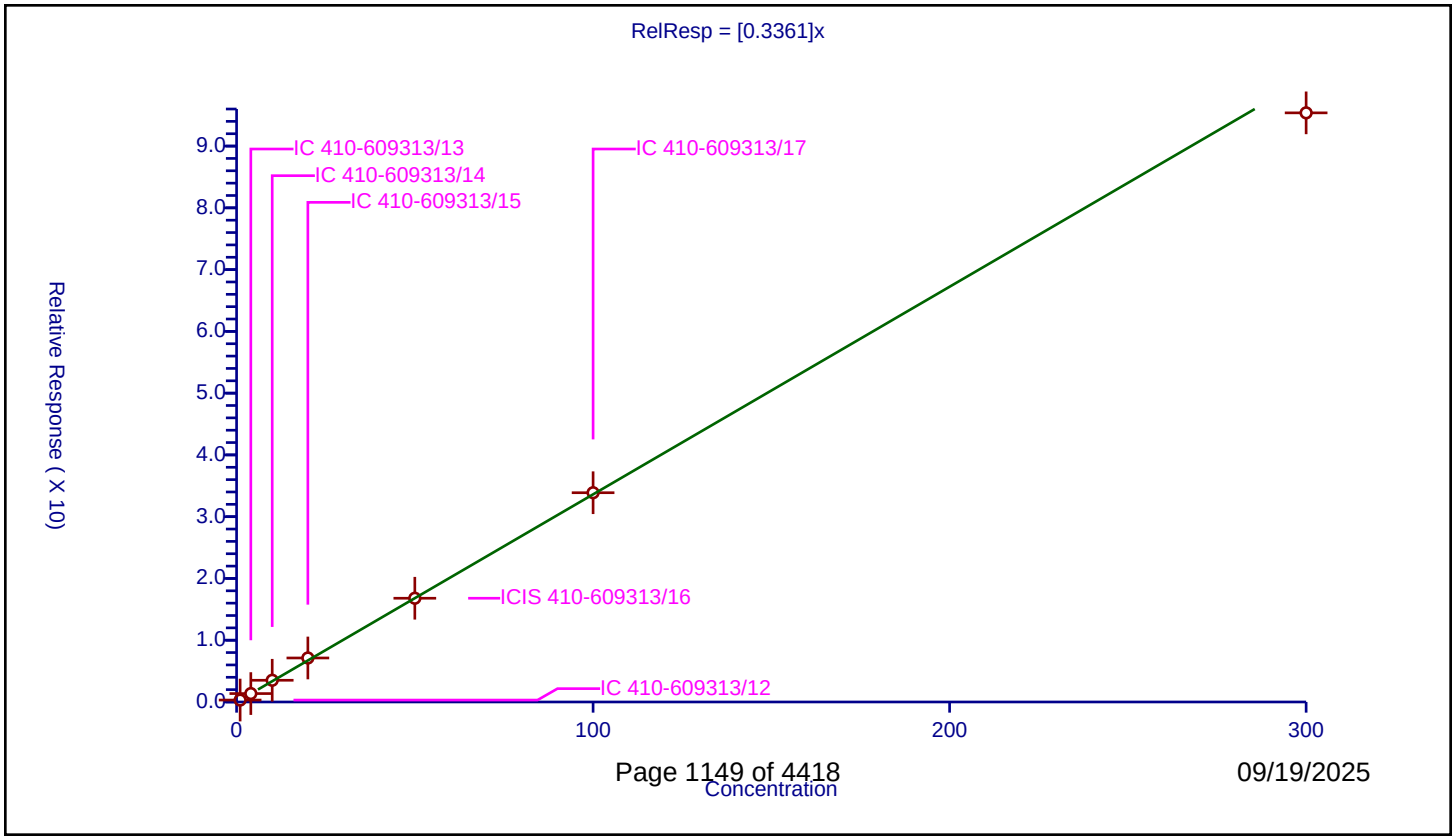
Curve Coefficients

Intercept:	0
Slope:	0.3361

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.311506	50.0	400313.0	0.311506	Y
2	IC 410-609313/13	4.0	1.364096	50.0	400375.0	0.341024	Y
3	IC 410-609313/14	10.0	3.514384	50.0	403129.0	0.351438	Y
4	IC 410-609313/15	20.0	7.126753	50.0	414705.0	0.356338	Y
5	ICIS 410-609313/16	50.0	16.797837	50.0	416634.0	0.335957	Y
6	IC 410-609313/17	100.0	33.880651	50.0	423063.0	0.338807	Y
7	IC 410-609313/18	300.0	95.378691	50.0	440676.0	0.317929	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

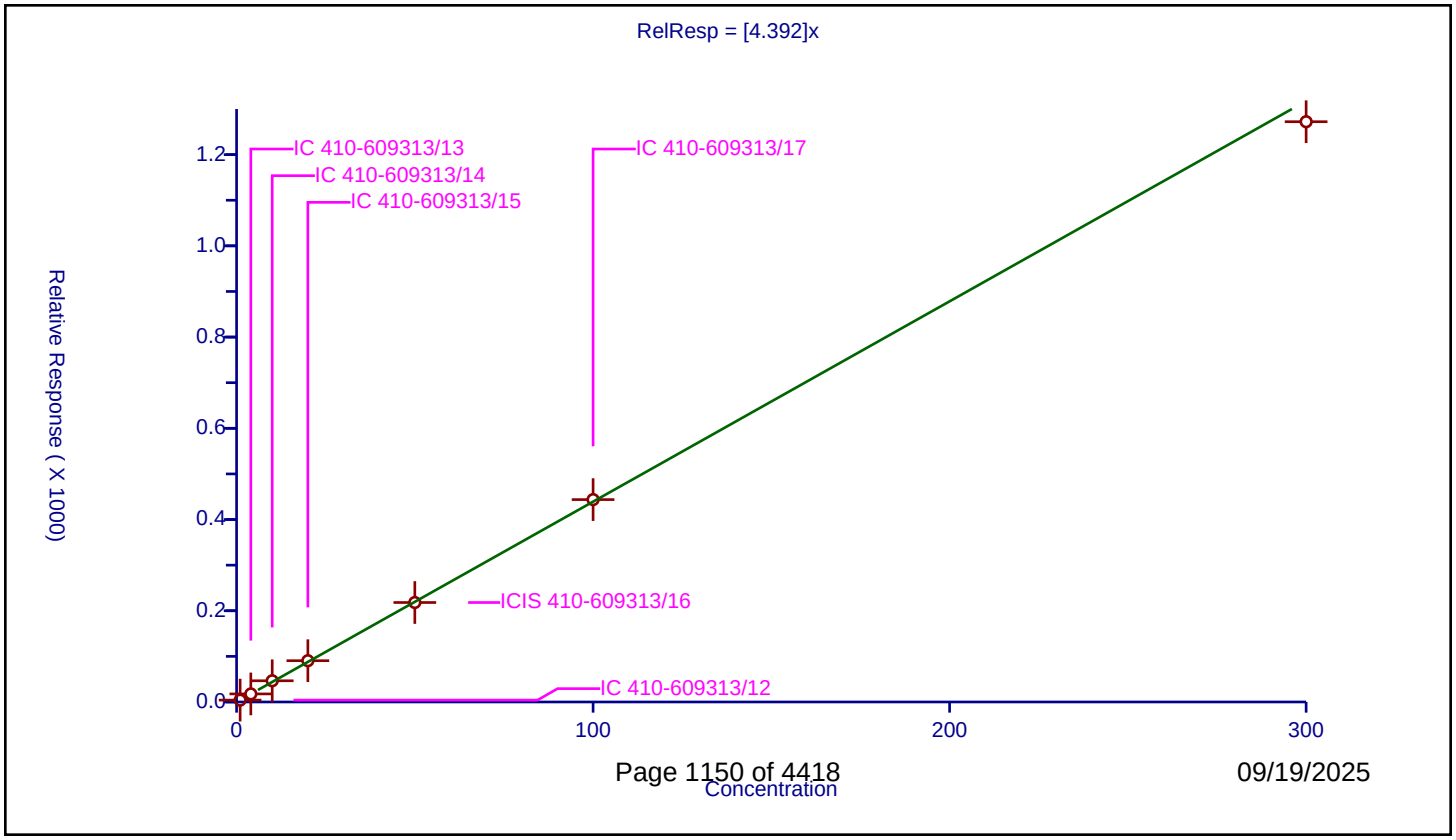
Curve Coefficients

Intercept:	0
Slope:	4.392

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	4.104413	50.0	400313.0	4.104413	Y
2	IC 410-609313/13	4.0	17.684171	50.0	400375.0	4.421043	Y
3	IC 410-609313/14	10.0	46.506701	50.0	403129.0	4.65067	Y
4	IC 410-609313/15	20.0	90.521455	50.0	414705.0	4.526073	Y
5	ICIS 410-609313/16	50.0	218.122261	50.0	416634.0	4.362445	Y
6	IC 410-609313/17	100.0	443.678128	50.0	423063.0	4.436781	Y
7	IC 410-609313/18	300.0	1272.195218	50.0	440676.0	4.240651	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

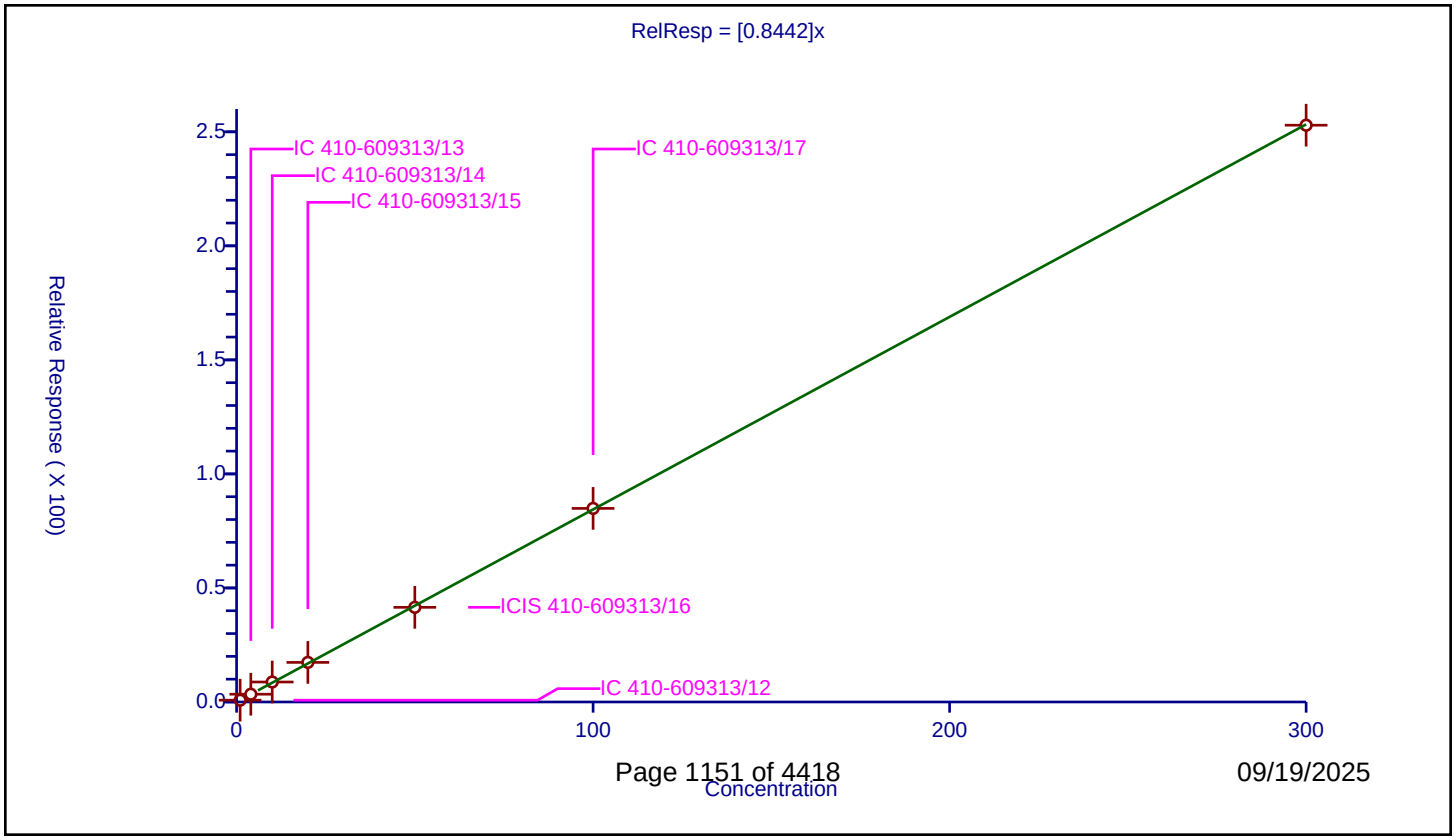
Curve Coefficients

Intercept:	0
Slope:	0.8442

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.791006	50.0	400313.0	0.791006	Y
2	IC 410-609313/13	4.0	3.411177	50.0	400375.0	0.852794	Y
3	IC 410-609313/14	10.0	8.759603	50.0	403129.0	0.87596	Y
4	IC 410-609313/15	20.0	17.36186	50.0	414705.0	0.868093	Y
5	ICIS 410-609313/16	50.0	41.498173	50.0	416634.0	0.829963	Y
6	IC 410-609313/17	100.0	84.881212	50.0	423063.0	0.848812	Y
7	IC 410-609313/18	300.0	252.901451	50.0	440676.0	0.843005	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

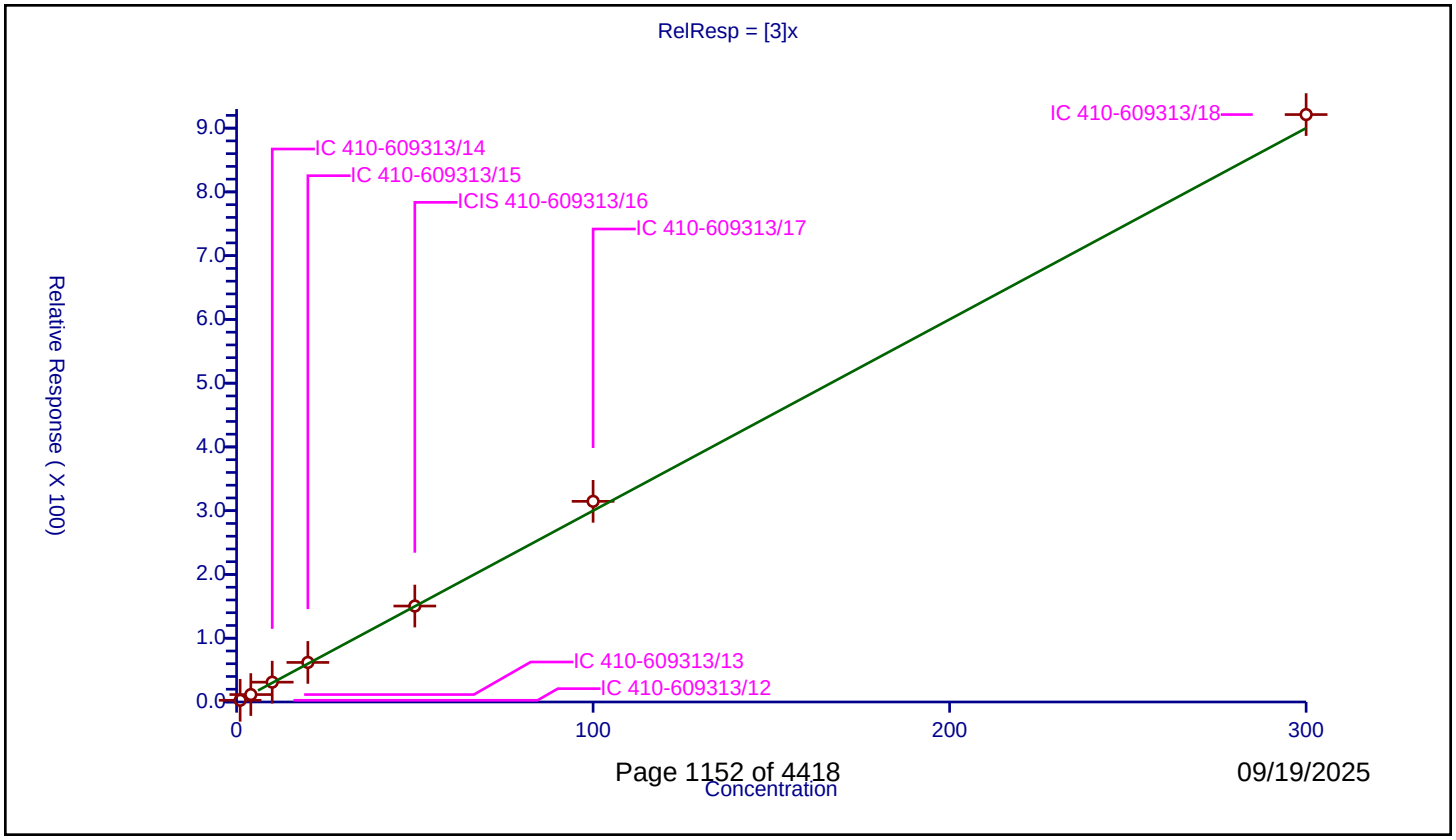
Curve Coefficients

Intercept:	0
Slope:	3

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	2.652549	50.0	400313.0	2.652549	Y
2	IC 410-609313/13	4.0	11.630097	50.0	400375.0	2.907524	Y
3	IC 410-609313/14	10.0	31.109769	50.0	403129.0	3.110977	Y
4	IC 410-609313/15	20.0	62.044104	50.0	414705.0	3.102205	Y
5	ICIS 410-609313/16	50.0	150.492279	50.0	416634.0	3.009846	Y
6	IC 410-609313/17	100.0	314.700411	50.0	423063.0	3.147004	Y
7	IC 410-609313/18	300.0	921.308399	50.0	440676.0	3.071028	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

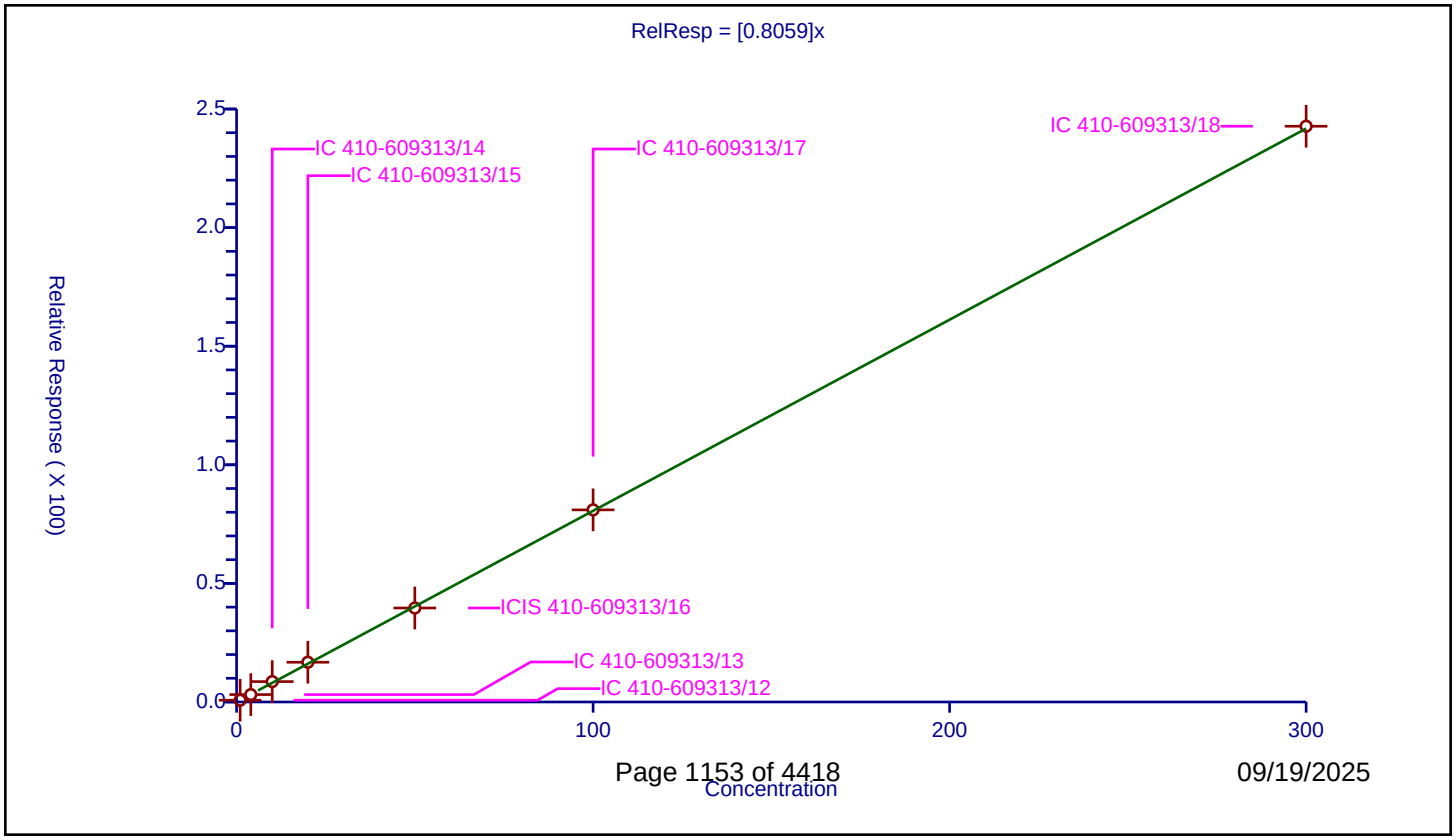
Curve Coefficients

Intercept:	0
Slope:	0.8059

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.751037	50.0	400313.0	0.751037	Y
2	IC 410-609313/13	4.0	3.123322	50.0	400375.0	0.78083	Y
3	IC 410-609313/14	10.0	8.598736	50.0	403129.0	0.859874	Y
4	IC 410-609313/15	20.0	16.759865	50.0	414705.0	0.837993	Y
5	ICIS 410-609313/16	50.0	39.624707	50.0	416634.0	0.792494	Y
6	IC 410-609313/17	100.0	80.995502	50.0	423063.0	0.809955	Y
7	IC 410-609313/18	300.0	242.738996	50.0	440676.0	0.80913	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

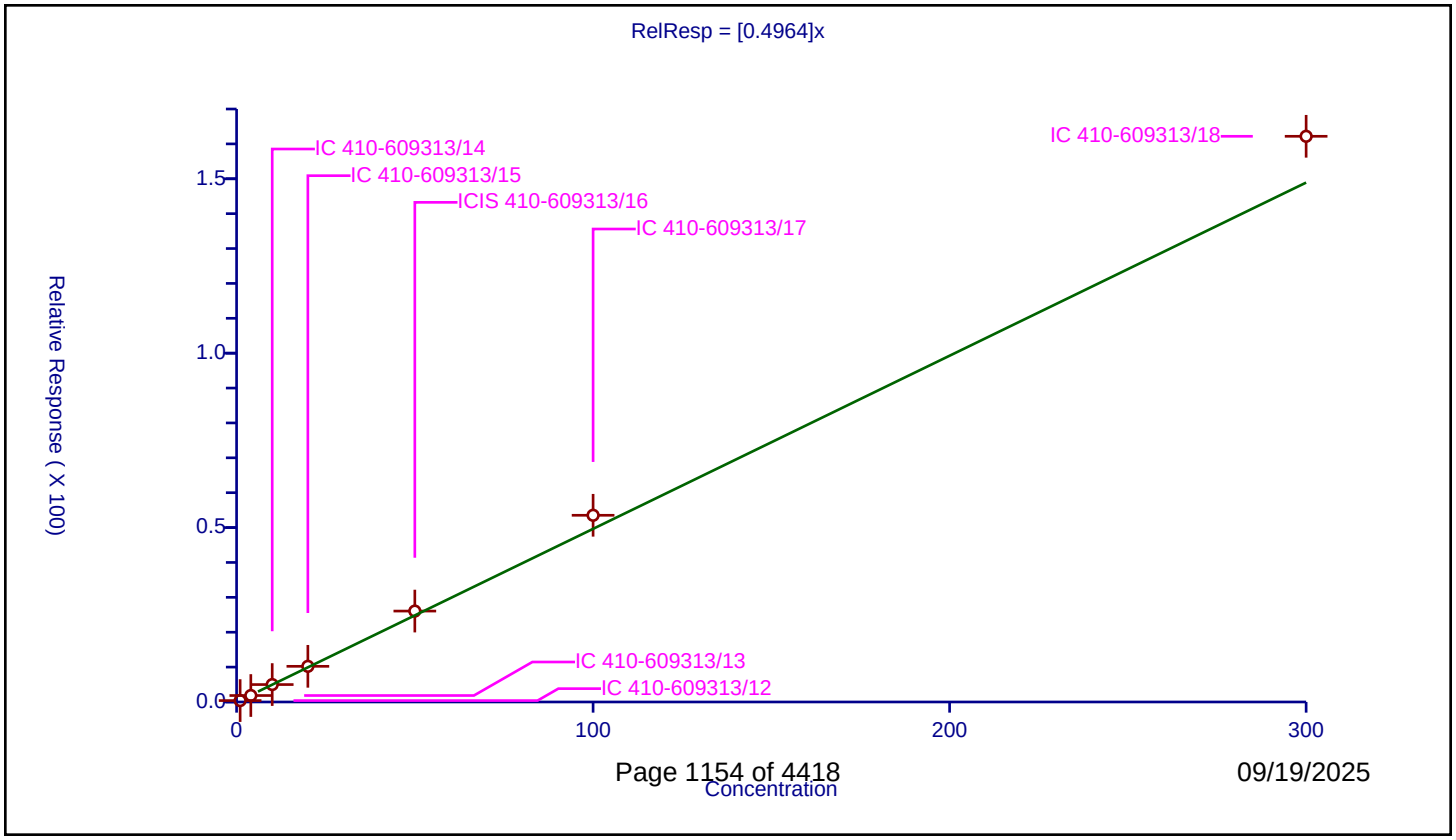
Curve Coefficients

Intercept:	0
Slope:	0.4964

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.402935	50.0	400313.0	0.402935	Y
2	IC 410-609313/13	4.0	1.856135	50.0	400375.0	0.464034	Y
3	IC 410-609313/14	10.0	4.992447	50.0	403129.0	0.499245	Y
4	IC 410-609313/15	20.0	10.222809	50.0	414705.0	0.51114	Y
5	ICIS 410-609313/16	50.0	26.065804	50.0	416634.0	0.521316	Y
6	IC 410-609313/17	100.0	53.529734	50.0	423063.0	0.535297	Y
7	IC 410-609313/18	300.0	162.176633	50.0	440676.0	0.540589	Y



09/19/2025

Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

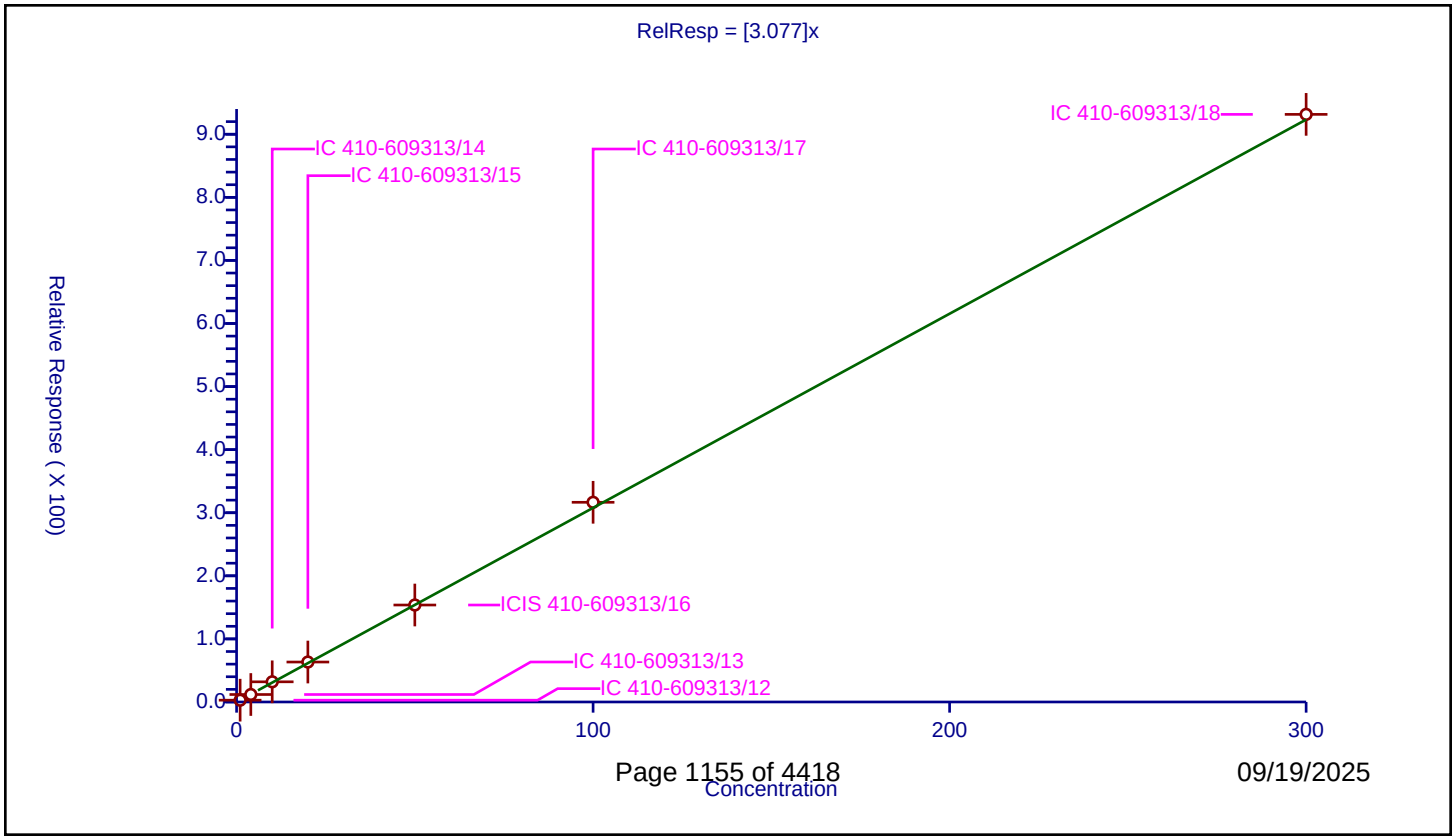
Curve Coefficients

Intercept:	0
Slope:	3.077

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	2.869255	50.0	400313.0	2.869255	Y
2	IC 410-609313/13	4.0	11.846644	50.0	400375.0	2.961661	Y
3	IC 410-609313/14	10.0	31.986163	50.0	403129.0	3.198616	Y
4	IC 410-609313/15	20.0	63.339844	50.0	414705.0	3.166992	Y
5	ICIS 410-609313/16	50.0	153.727852	50.0	416634.0	3.074557	Y
6	IC 410-609313/17	100.0	316.572	50.0	423063.0	3.16572	Y
7	IC 410-609313/18	300.0	931.519416	50.0	440676.0	3.105065	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

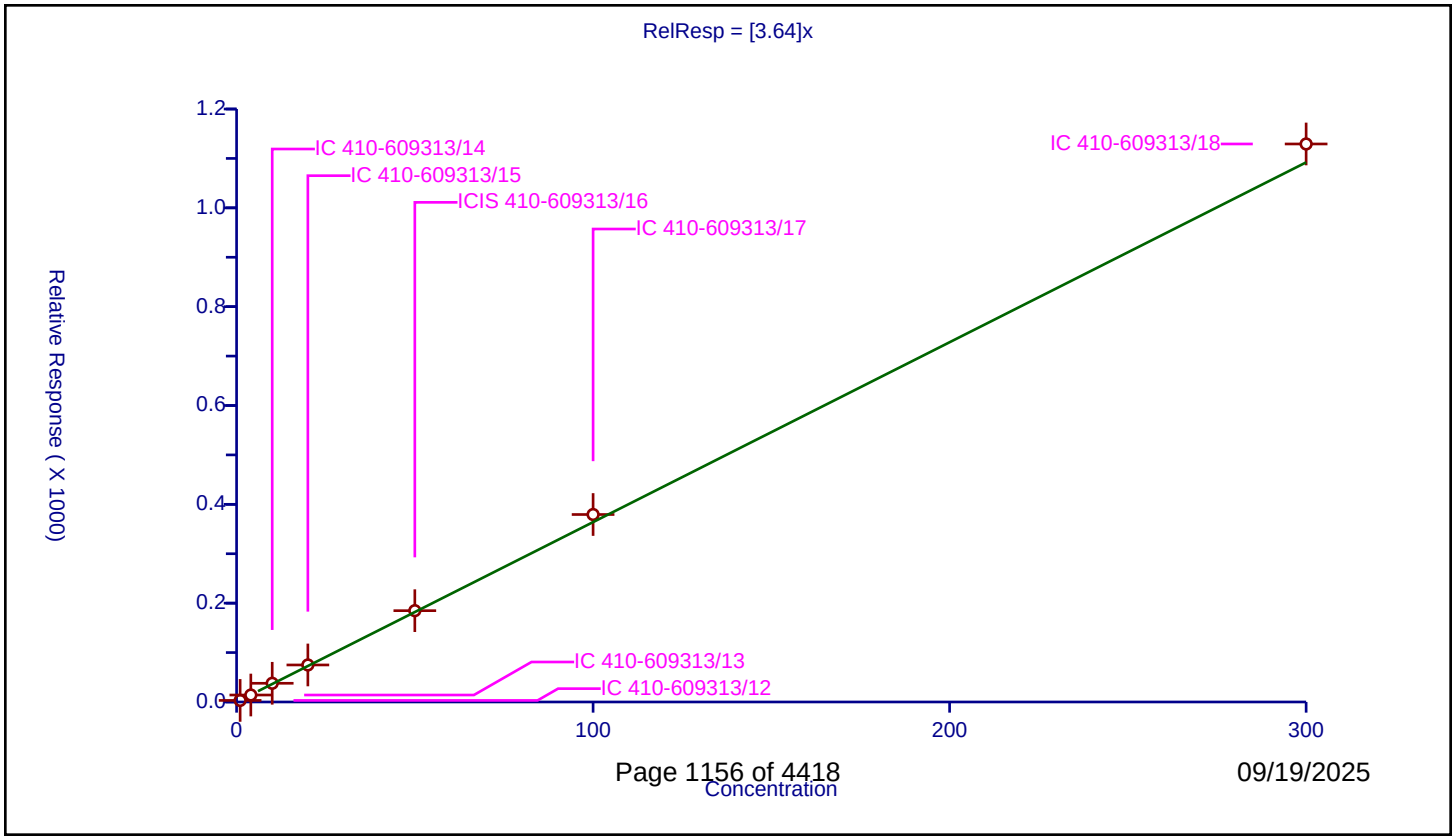
Curve Coefficients

Intercept:	0
Slope:	3.64

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	3.170644	50.0	400313.0	3.170644	Y
2	IC 410-609313/13	4.0	14.099532	50.0	400375.0	3.524883	Y
3	IC 410-609313/14	10.0	37.841981	50.0	403129.0	3.784198	Y
4	IC 410-609313/15	20.0	74.932422	50.0	414705.0	3.746621	Y
5	ICIS 410-609313/16	50.0	184.793968	50.0	416634.0	3.695879	Y
6	IC 410-609313/17	100.0	379.384512	50.0	423063.0	3.793845	Y
7	IC 410-609313/18	300.0	1129.256642	50.0	440676.0	3.764189	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

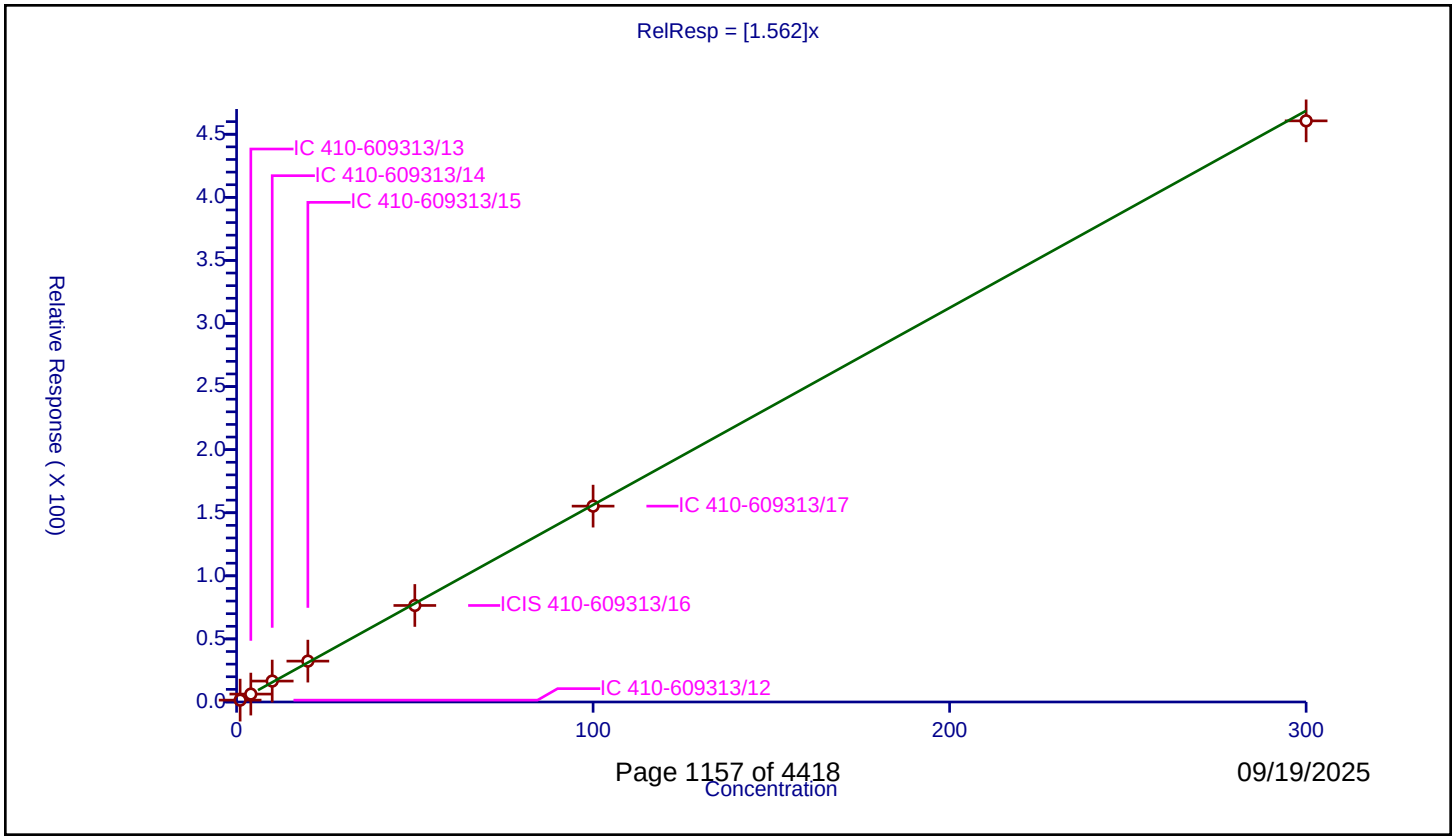
Curve Coefficients

Intercept:	0
Slope:	1.562

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	1.469975	50.0	400313.0	1.469975	Y
2	IC 410-609313/13	4.0	6.272869	50.0	400375.0	1.568217	Y
3	IC 410-609313/14	10.0	16.582905	50.0	403129.0	1.658291	Y
4	IC 410-609313/15	20.0	32.400019	50.0	414705.0	1.620001	Y
5	ICIS 410-609313/16	50.0	76.508638	50.0	416634.0	1.530173	Y
6	IC 410-609313/17	100.0	155.238109	50.0	423063.0	1.552381	Y
7	IC 410-609313/18	300.0	460.60734	50.0	440676.0	1.535358	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

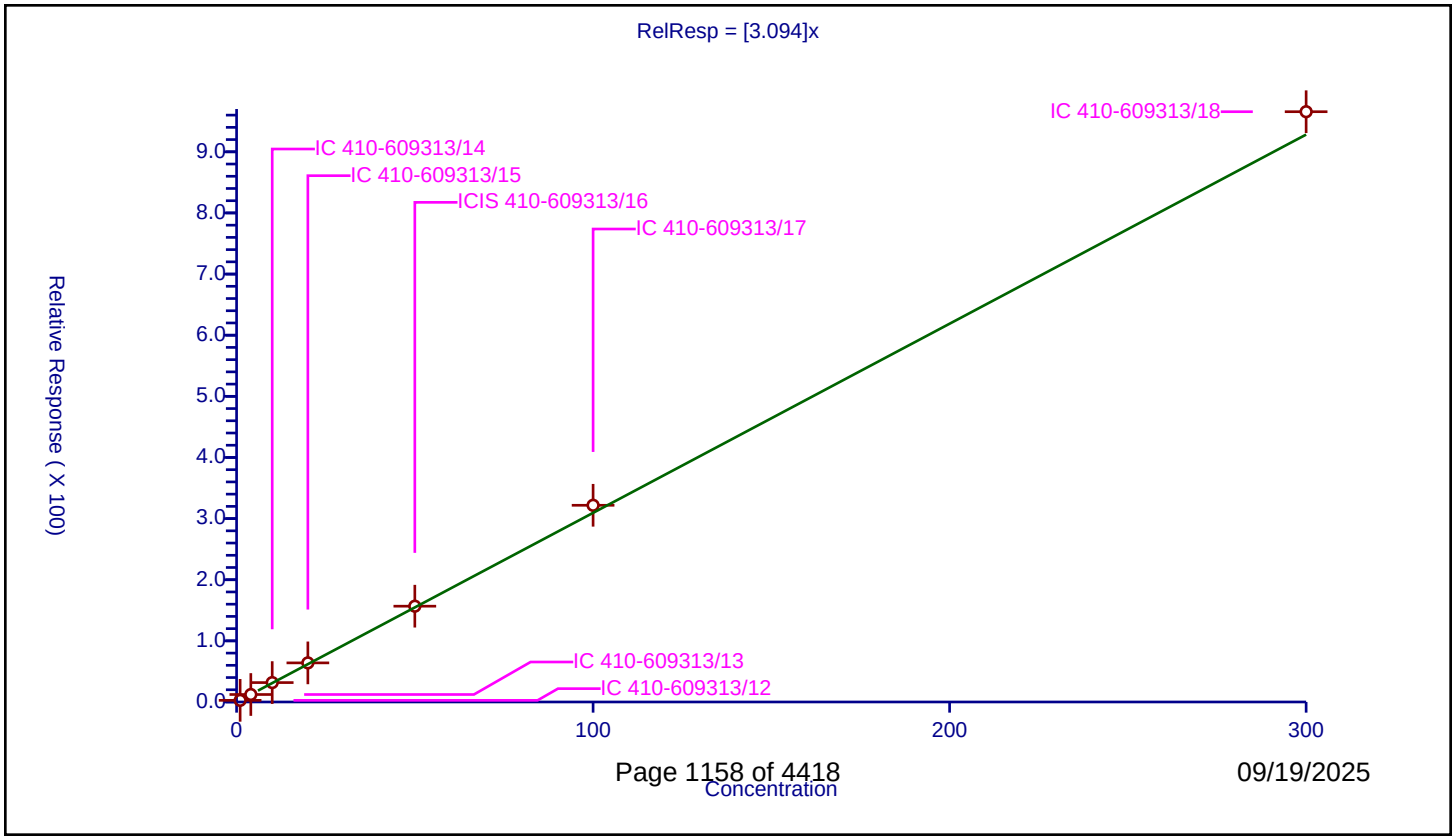
Curve Coefficients

Intercept:	0
Slope:	3.094

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	2.661043	50.0	400313.0	2.661043	Y
2	IC 410-609313/13	4.0	12.22429	50.0	400375.0	3.056072	Y
3	IC 410-609313/14	10.0	31.715778	50.0	403129.0	3.171578	Y
4	IC 410-609313/15	20.0	63.959803	50.0	414705.0	3.19799	Y
5	ICIS 410-609313/16	50.0	156.711526	50.0	416634.0	3.134231	Y
6	IC 410-609313/17	100.0	321.785408	50.0	423063.0	3.217854	Y
7	IC 410-609313/18	300.0	965.597287	50.0	440676.0	3.218658	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

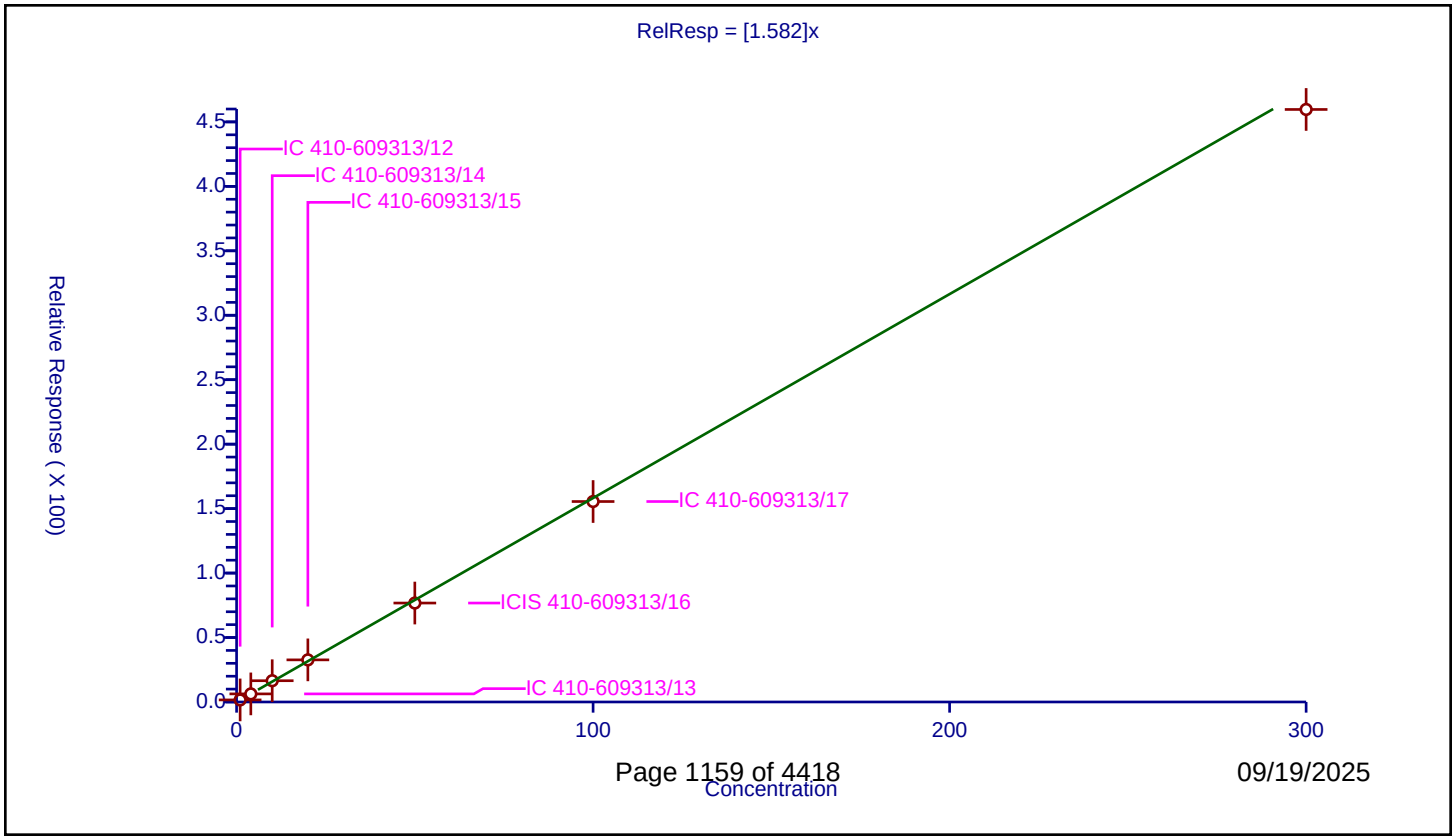
Curve Coefficients

Intercept:	0
Slope:	1.582

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	1.601122	50.0	400313.0	1.601122	Y
2	IC 410-609313/13	4.0	6.273743	50.0	400375.0	1.568436	Y
3	IC 410-609313/14	10.0	16.495588	50.0	403129.0	1.649559	Y
4	IC 410-609313/15	20.0	32.666715	50.0	414705.0	1.633336	Y
5	ICIS 410-609313/16	50.0	76.750577	50.0	416634.0	1.535012	Y
6	IC 410-609313/17	100.0	155.521636	50.0	423063.0	1.555216	Y
7	IC 410-609313/18	300.0	459.653237	50.0	440676.0	1.532177	Y



Calibration / 1,2,3-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

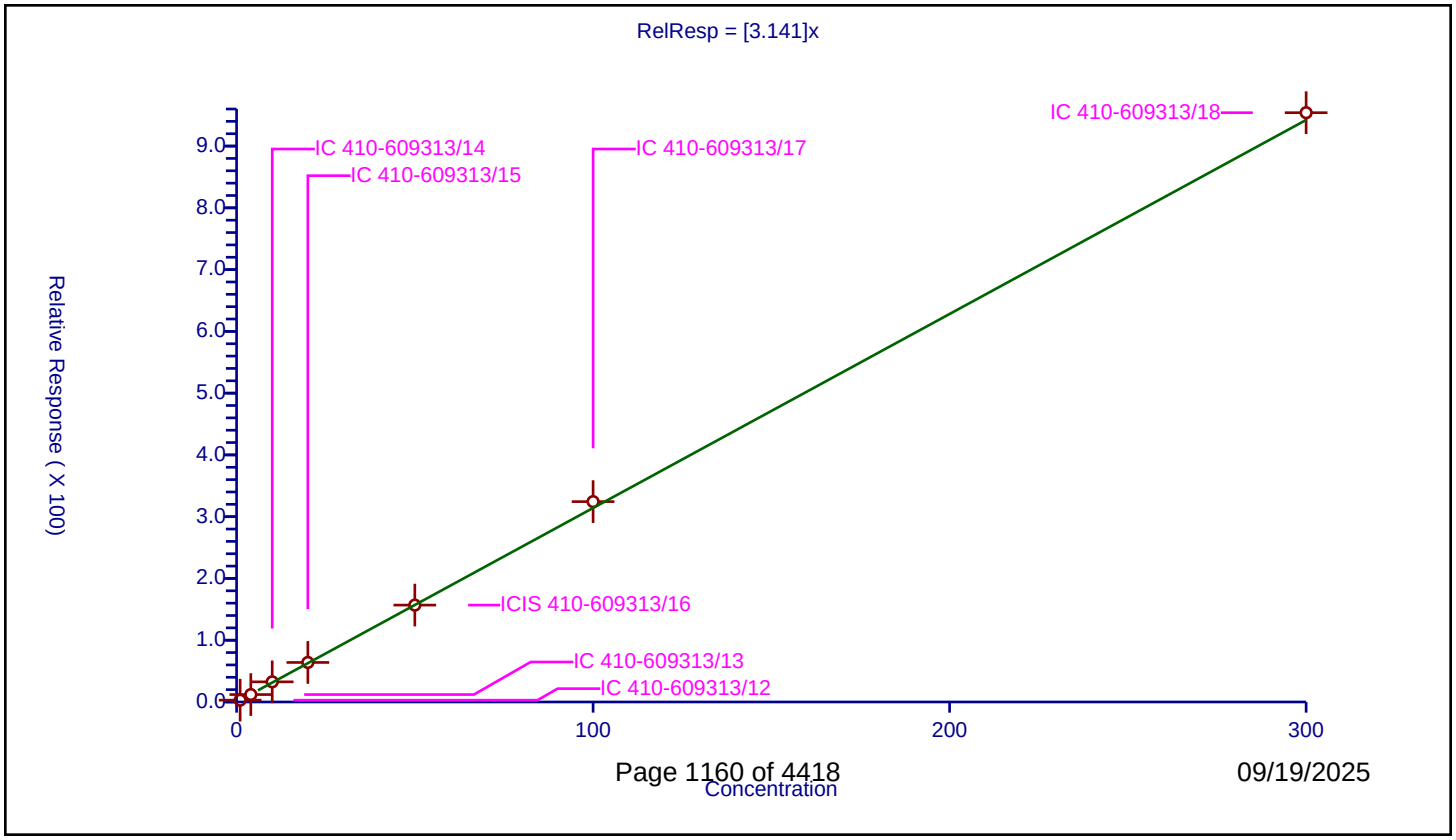
Curve Coefficients

Intercept:	0
Slope:	3.141

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	2.960933	50.0	400313.0	2.960933	Y
2	IC 410-609313/13	4.0	12.004246	50.0	400375.0	3.001062	Y
3	IC 410-609313/14	10.0	32.630002	50.0	403129.0	3.263	Y
4	IC 410-609313/15	20.0	63.990789	50.0	414705.0	3.199539	Y
5	ICIS 410-609313/16	50.0	156.868138	50.0	416634.0	3.137363	Y
6	IC 410-609313/17	100.0	324.395894	50.0	423063.0	3.243959	Y
7	IC 410-609313/18	300.0	954.022456	50.0	440676.0	3.180075	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

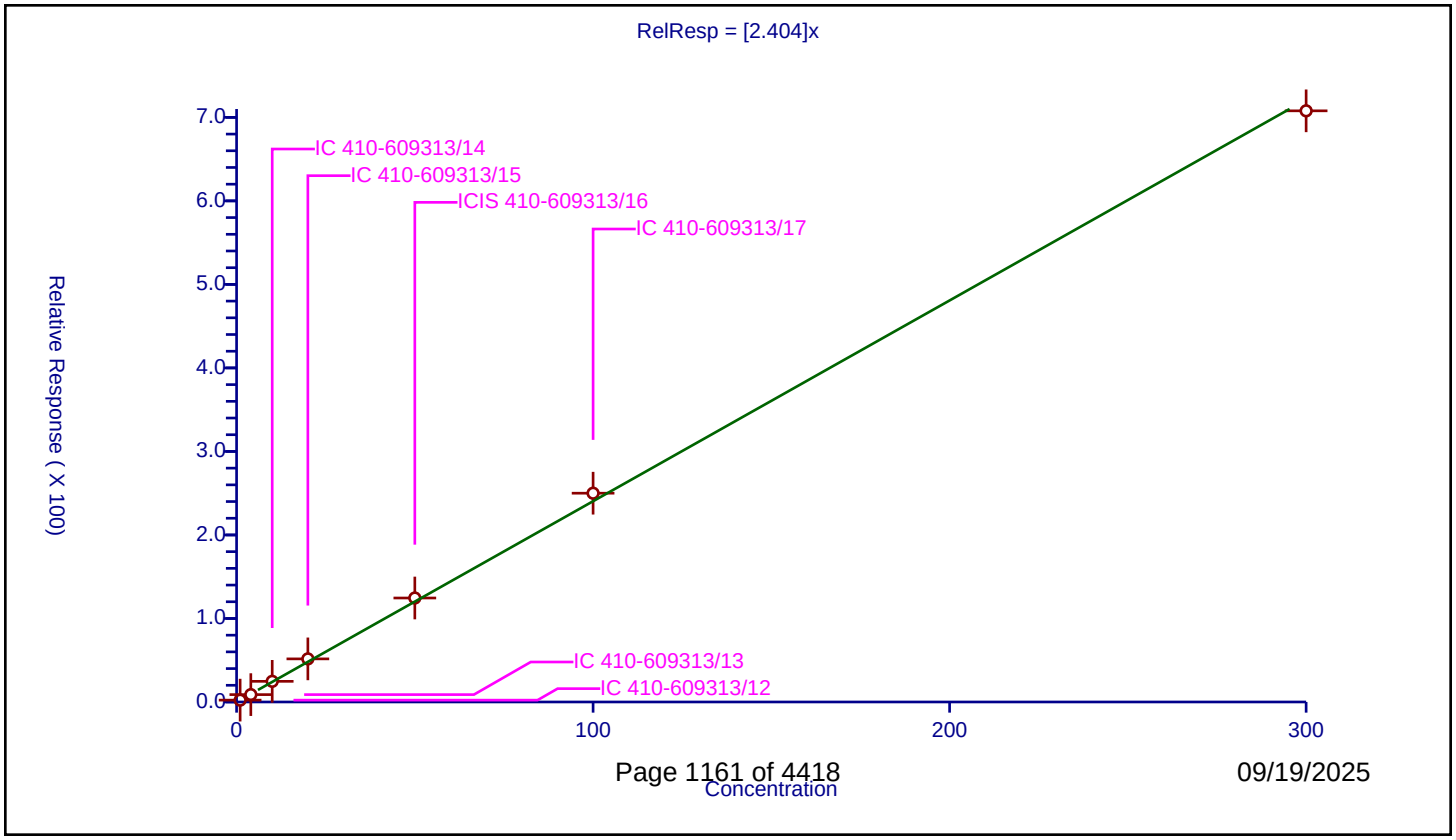
Curve Coefficients

Intercept:	0
Slope:	2.404

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	2.216266	50.0	400313.0	2.216266	Y
2	IC 410-609313/13	4.0	8.835217	50.0	400375.0	2.208804	Y
3	IC 410-609313/14	10.0	24.720375	50.0	403129.0	2.472037	Y
4	IC 410-609313/15	20.0	51.607046	50.0	414705.0	2.580352	Y
5	ICIS 410-609313/16	50.0	124.519122	50.0	416634.0	2.490382	Y
6	IC 410-609313/17	100.0	249.976836	50.0	423063.0	2.499768	Y
7	IC 410-609313/18	300.0	707.817535	50.0	440676.0	2.359392	Y



Calibration / 1,3-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

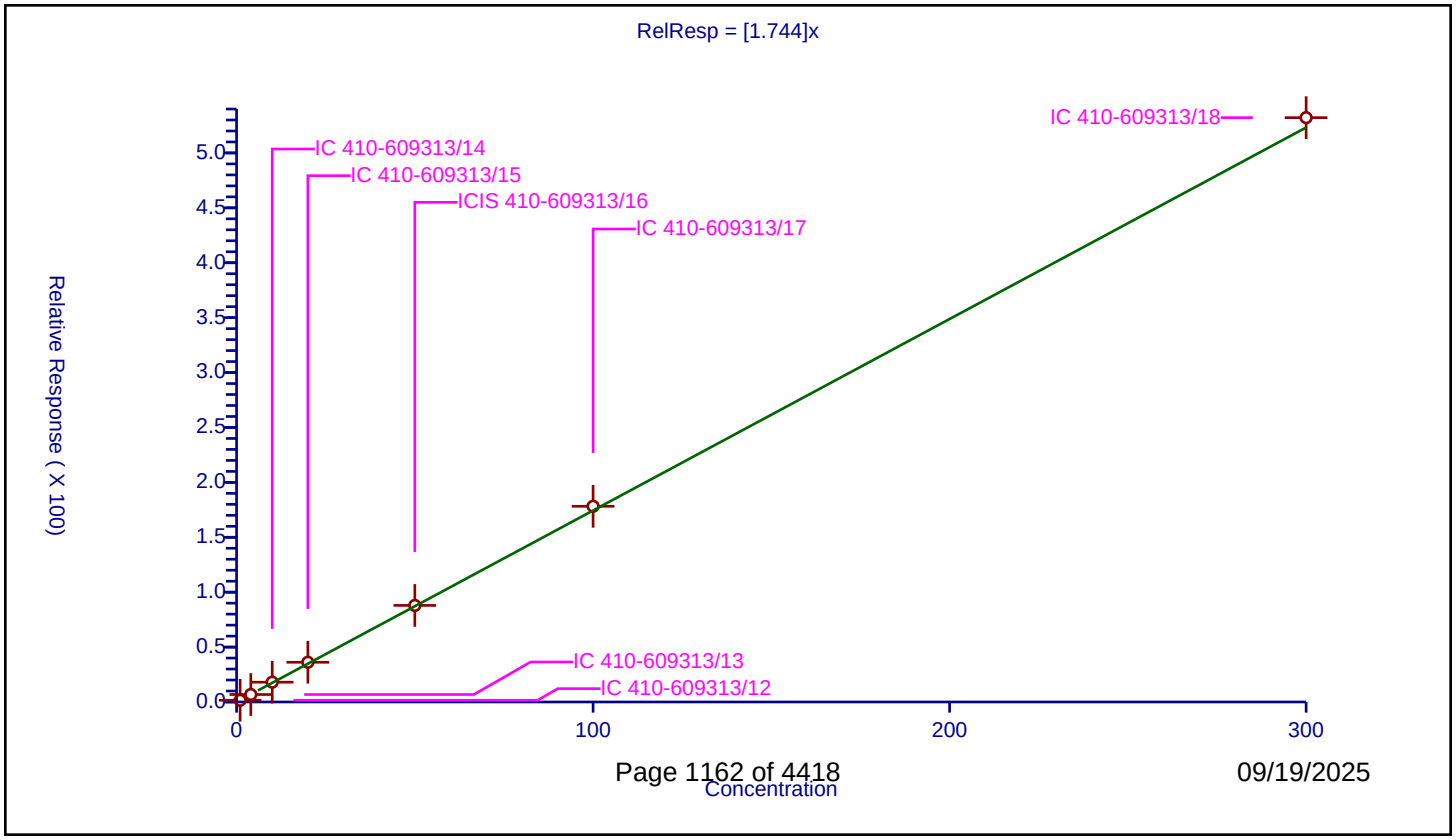
Curve Coefficients

Intercept:	0
Slope:	1.744

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	1.575392	50.0	400313.0	1.575392	Y
2	IC 410-609313/13	4.0	6.819232	50.0	400375.0	1.704808	Y
3	IC 410-609313/14	10.0	18.025496	50.0	403129.0	1.80255	Y
4	IC 410-609313/15	20.0	36.179453	50.0	414705.0	1.808973	Y
5	ICIS 410-609313/16	50.0	87.943855	50.0	416634.0	1.758877	Y
6	IC 410-609313/17	100.0	178.218965	50.0	423063.0	1.78219	Y
7	IC 410-609313/18	300.0	532.140166	50.0	440676.0	1.773801	Y



Calibration / p-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

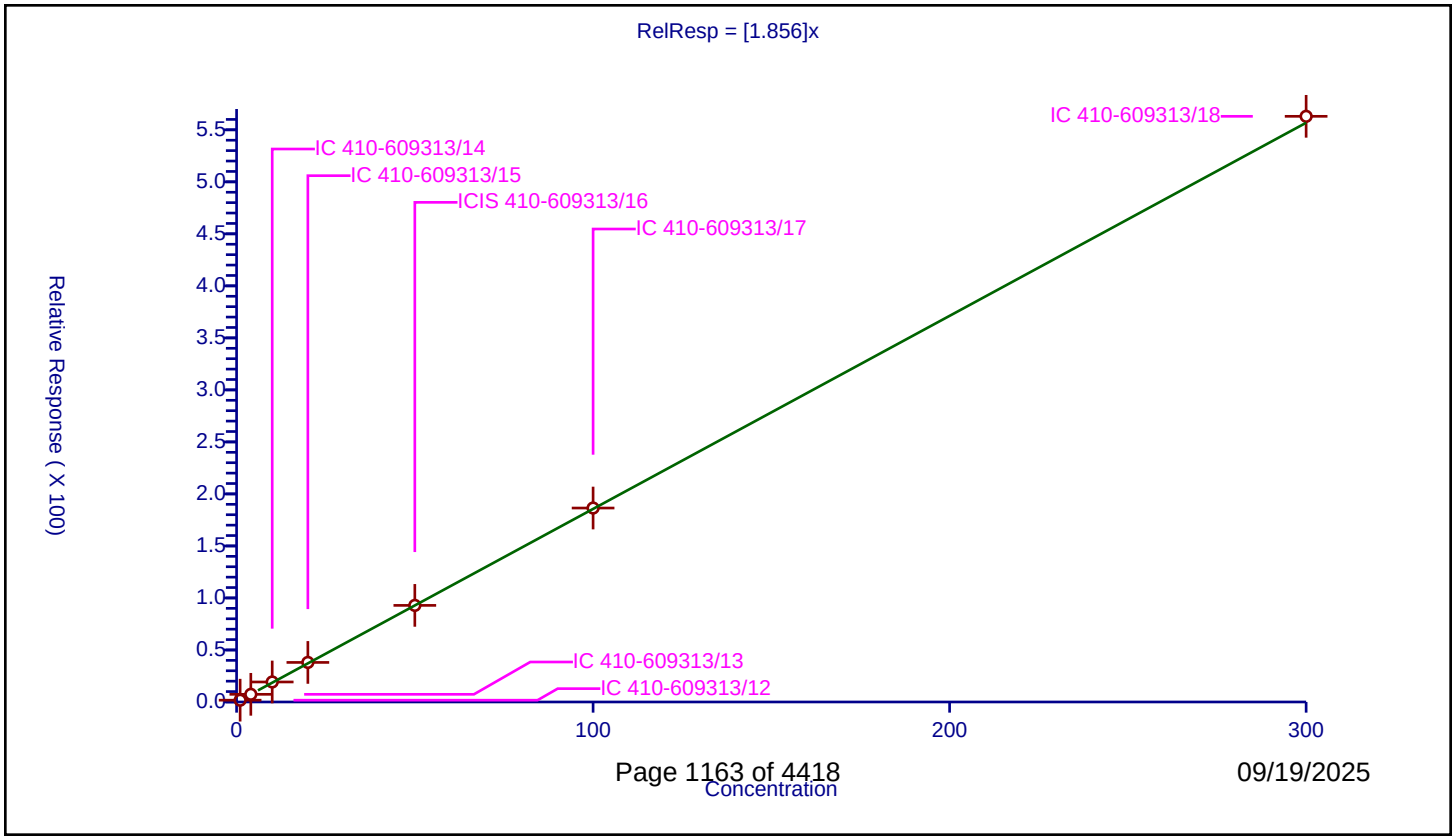
Curve Coefficients

Intercept:	0
Slope:	1.856

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	1.727773	50.0	400313.0	1.727773	Y
2	IC 410-609313/13	4.0	7.360599	50.0	400375.0	1.84015	Y
3	IC 410-609313/14	10.0	19.23677	50.0	403129.0	1.923677	Y
4	IC 410-609313/15	20.0	38.038003	50.0	414705.0	1.9019	Y
5	ICIS 410-609313/16	50.0	92.846839	50.0	416634.0	1.856937	Y
6	IC 410-609313/17	100.0	186.43559	50.0	423063.0	1.864356	Y
7	IC 410-609313/18	300.0	562.979037	50.0	440676.0	1.876597	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

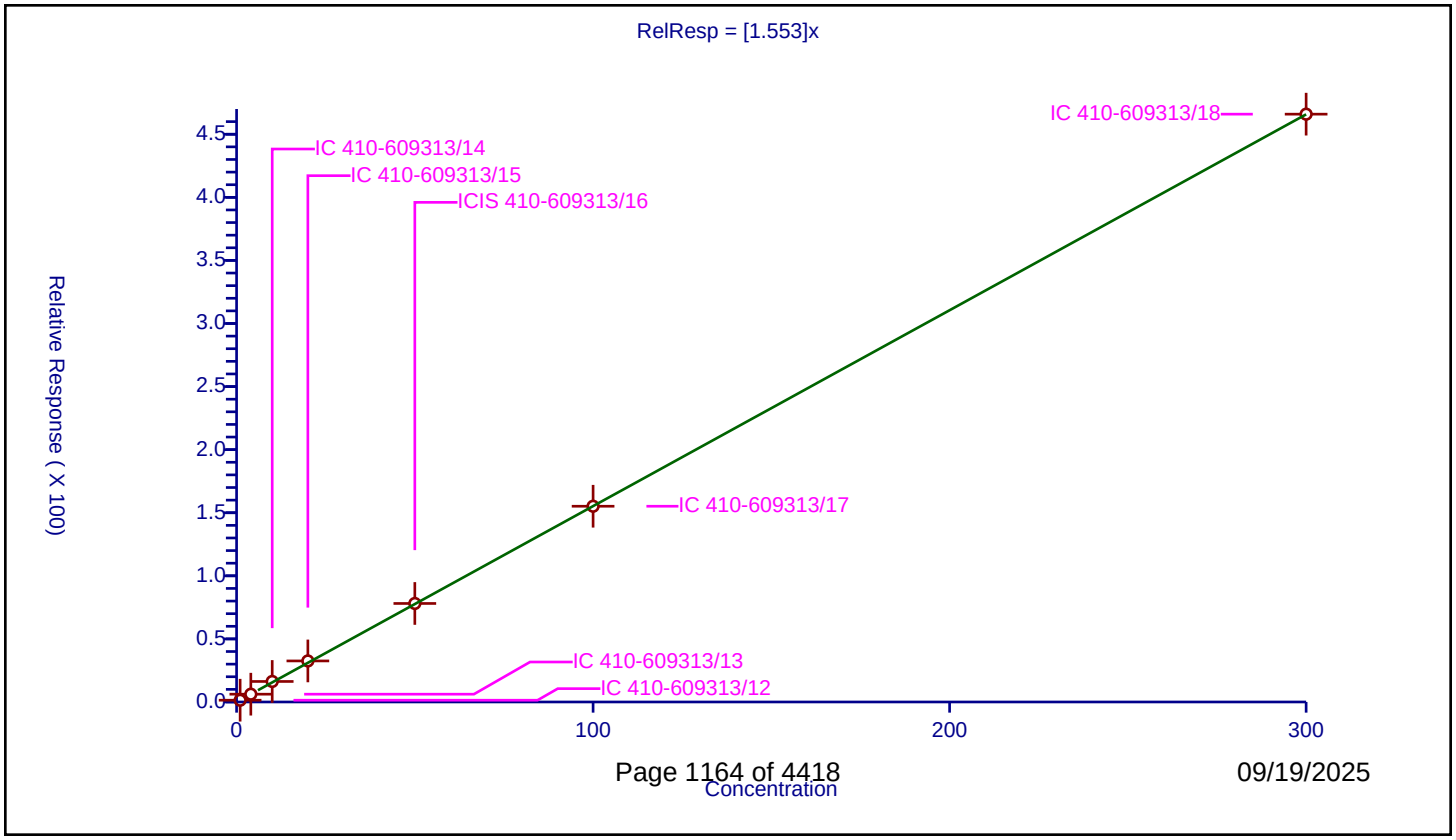
Curve Coefficients

Intercept:	0
Slope:	1.553

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	1.401653	50.0	400313.0	1.401653	Y
2	IC 410-609313/13	4.0	6.185326	50.0	400375.0	1.546332	Y
3	IC 410-609313/14	10.0	16.270474	50.0	403129.0	1.627047	Y
4	IC 410-609313/15	20.0	32.531076	50.0	414705.0	1.626554	Y
5	ICIS 410-609313/16	50.0	78.079201	50.0	416634.0	1.561584	Y
6	IC 410-609313/17	100.0	155.151479	50.0	423063.0	1.551515	Y
7	IC 410-609313/18	300.0	465.926327	50.0	440676.0	1.553088	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

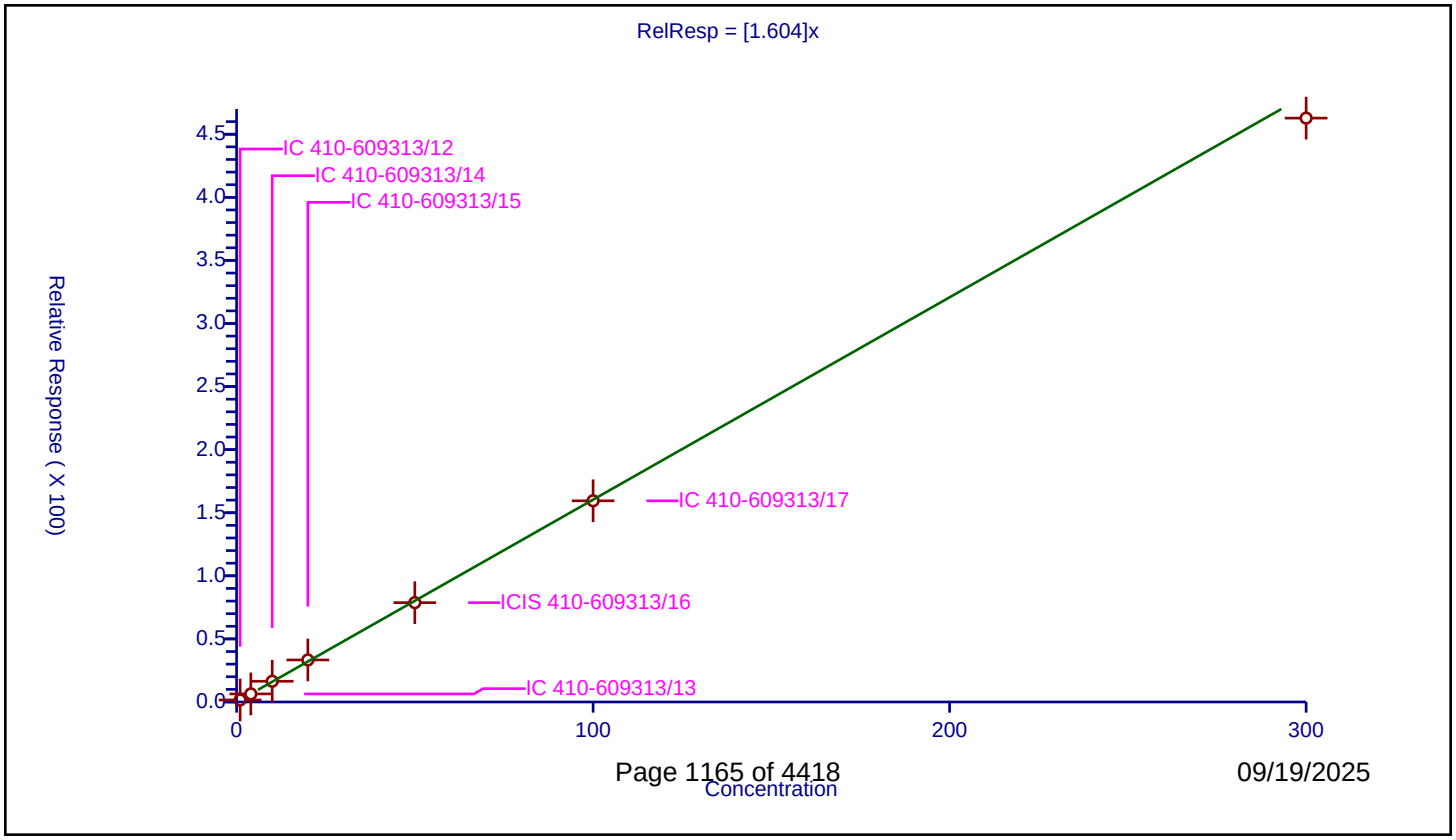
Curve Coefficients

Intercept:	0
Slope:	1.604

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	1.605244	50.0	400313.0	1.605244	Y
2	IC 410-609313/13	4.0	6.397377	50.0	400375.0	1.599344	Y
3	IC 410-609313/14	10.0	16.433325	50.0	403129.0	1.643333	Y
4	IC 410-609313/15	20.0	33.325376	50.0	414705.0	1.666269	Y
5	ICIS 410-609313/16	50.0	78.736133	50.0	416634.0	1.574723	Y
6	IC 410-609313/17	100.0	159.467384	50.0	423063.0	1.594674	Y
7	IC 410-609313/18	300.0	462.783088	50.0	440676.0	1.54261	Y



Calibration / o-diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

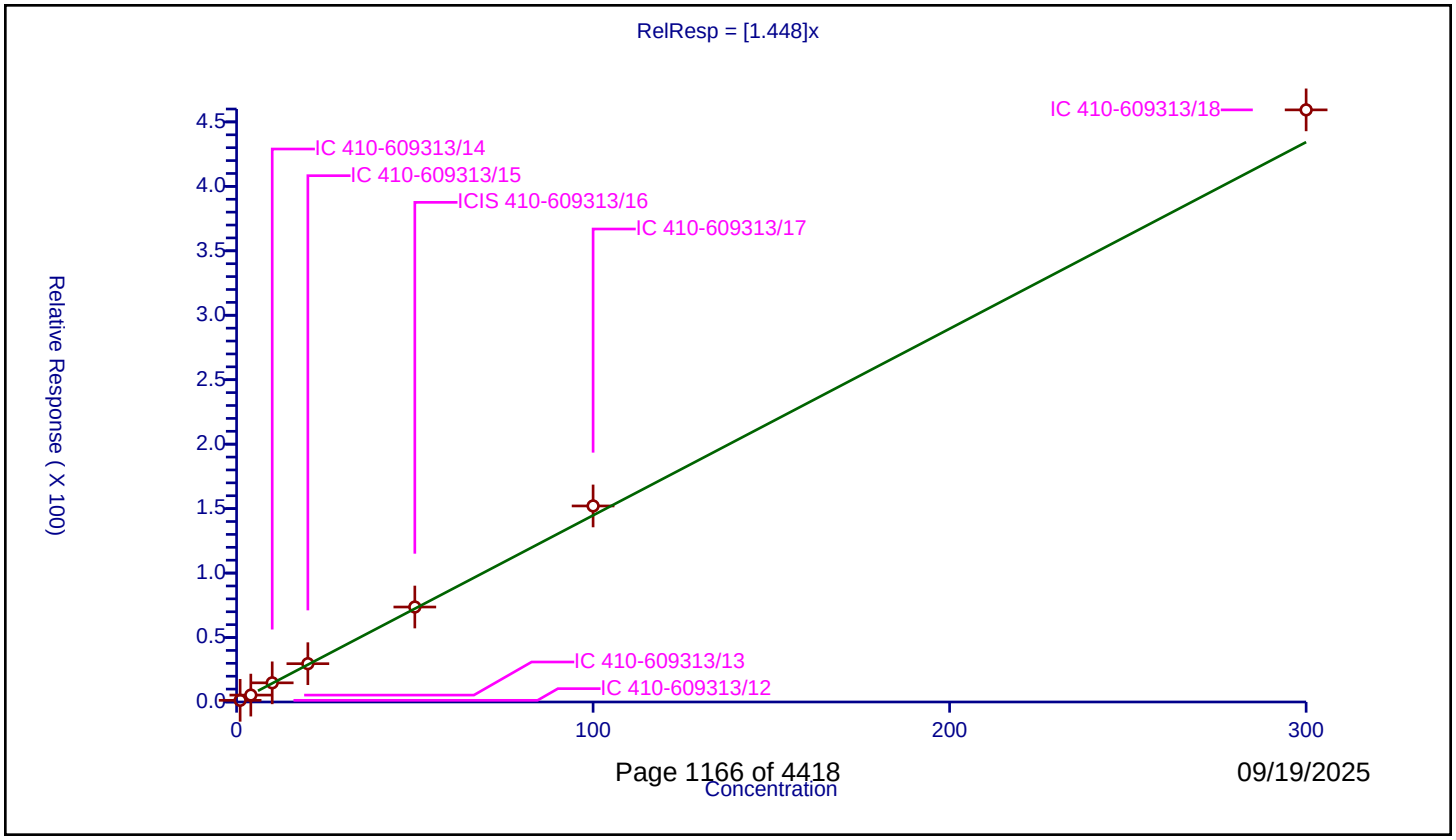
Curve Coefficients

Intercept:	0
Slope:	1.448

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	1.29686	50.0	400313.0	1.29686	Y
2	IC 410-609313/13	4.0	5.357602	50.0	400375.0	1.339401	Y
3	IC 410-609313/14	10.0	14.867573	50.0	403129.0	1.486757	Y
4	IC 410-609313/15	20.0	29.713893	50.0	414705.0	1.485695	Y
5	ICIS 410-609313/16	50.0	73.676056	50.0	416634.0	1.473521	Y
6	IC 410-609313/17	100.0	152.078177	50.0	423063.0	1.520782	Y
7	IC 410-609313/18	300.0	459.33838	50.0	440676.0	1.531128	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

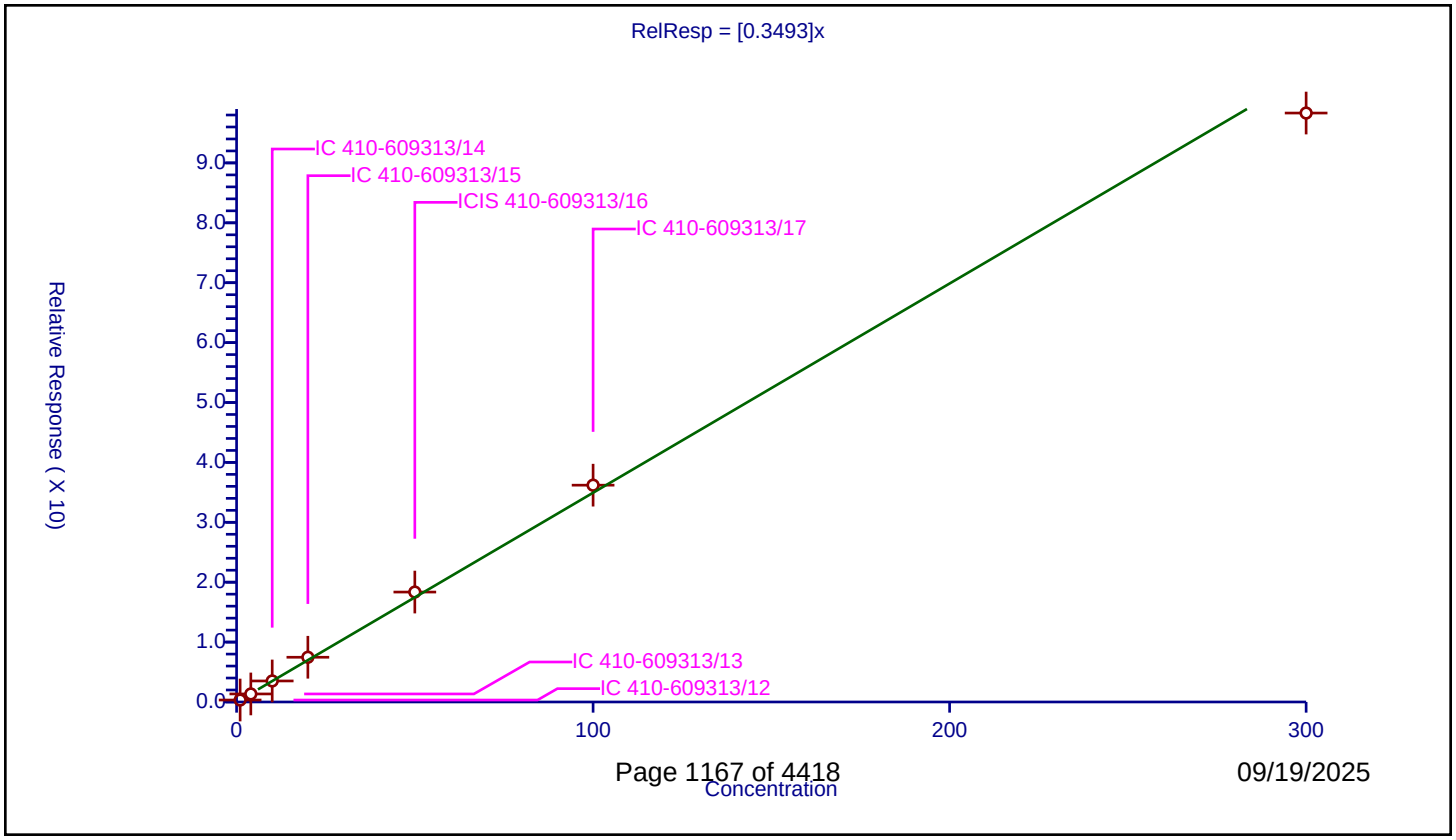
Curve Coefficients

Intercept:	0
Slope:	0.3493

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.328243	50.0	400313.0	0.328243	Y
2	IC 410-609313/13	4.0	1.342991	50.0	400375.0	0.335748	Y
3	IC 410-609313/14	10.0	3.509174	50.0	403129.0	0.350917	Y
4	IC 410-609313/15	20.0	7.469768	50.0	414705.0	0.373488	Y
5	ICIS 410-609313/16	50.0	18.353999	50.0	416634.0	0.36708	Y
6	IC 410-609313/17	100.0	36.1991	50.0	423063.0	0.361991	Y
7	IC 410-609313/18	300.0	98.329839	50.0	440676.0	0.327766	Y



09/19/2025

Calibration / 1,3,5-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

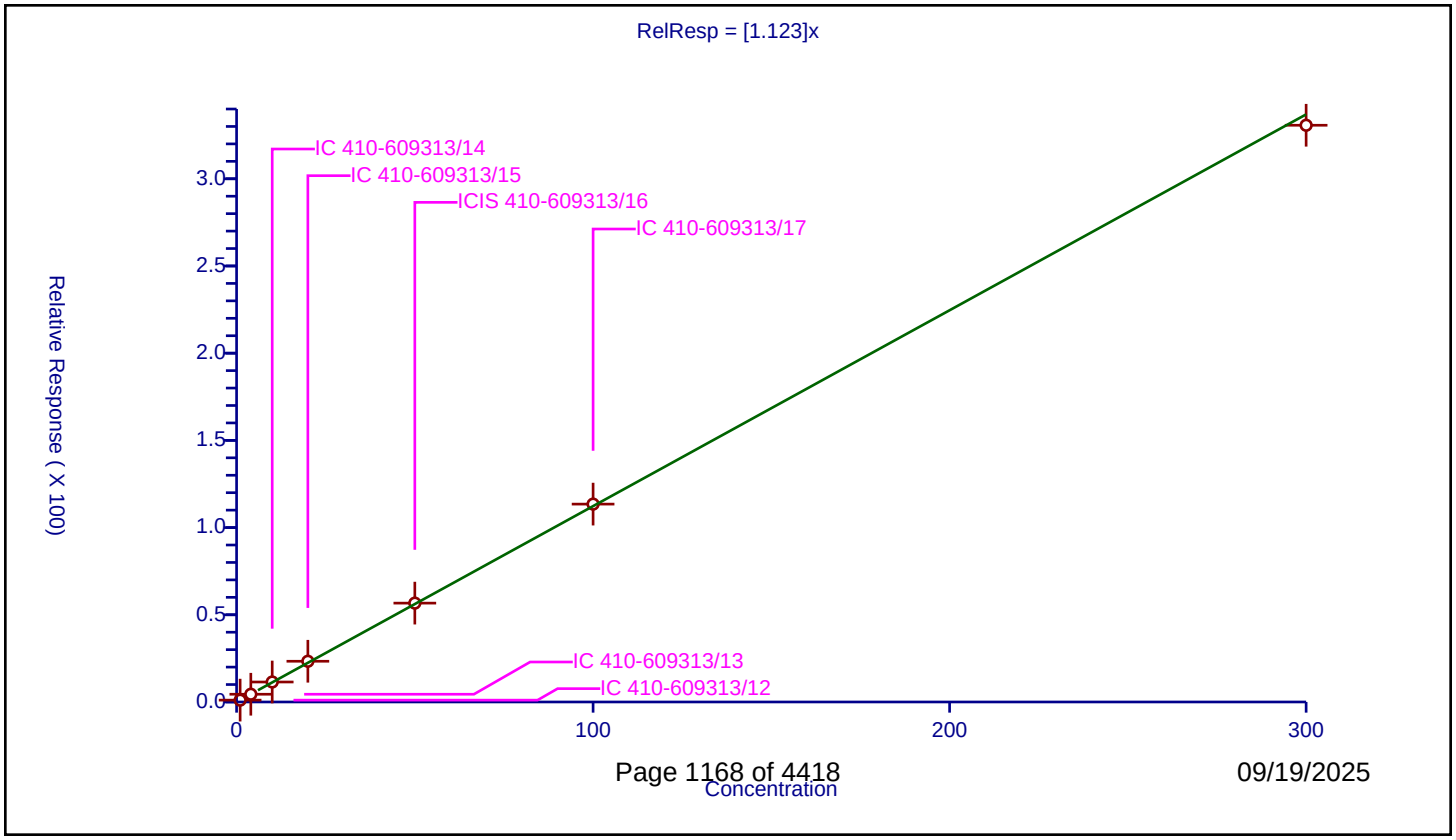
Curve Coefficients

Intercept:	0
Slope:	1.123

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	1.065791	50.0	400313.0	1.065791	Y
2	IC 410-609313/13	4.0	4.44246	50.0	400375.0	1.110615	Y
3	IC 410-609313/14	10.0	11.465809	50.0	403129.0	1.146581	Y
4	IC 410-609313/15	20.0	23.352865	50.0	414705.0	1.167643	Y
5	ICIS 410-609313/16	50.0	56.689804	50.0	416634.0	1.133796	Y
6	IC 410-609313/17	100.0	113.457807	50.0	423063.0	1.134578	Y
7	IC 410-609313/18	300.0	330.689214	50.0	440676.0	1.102297	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

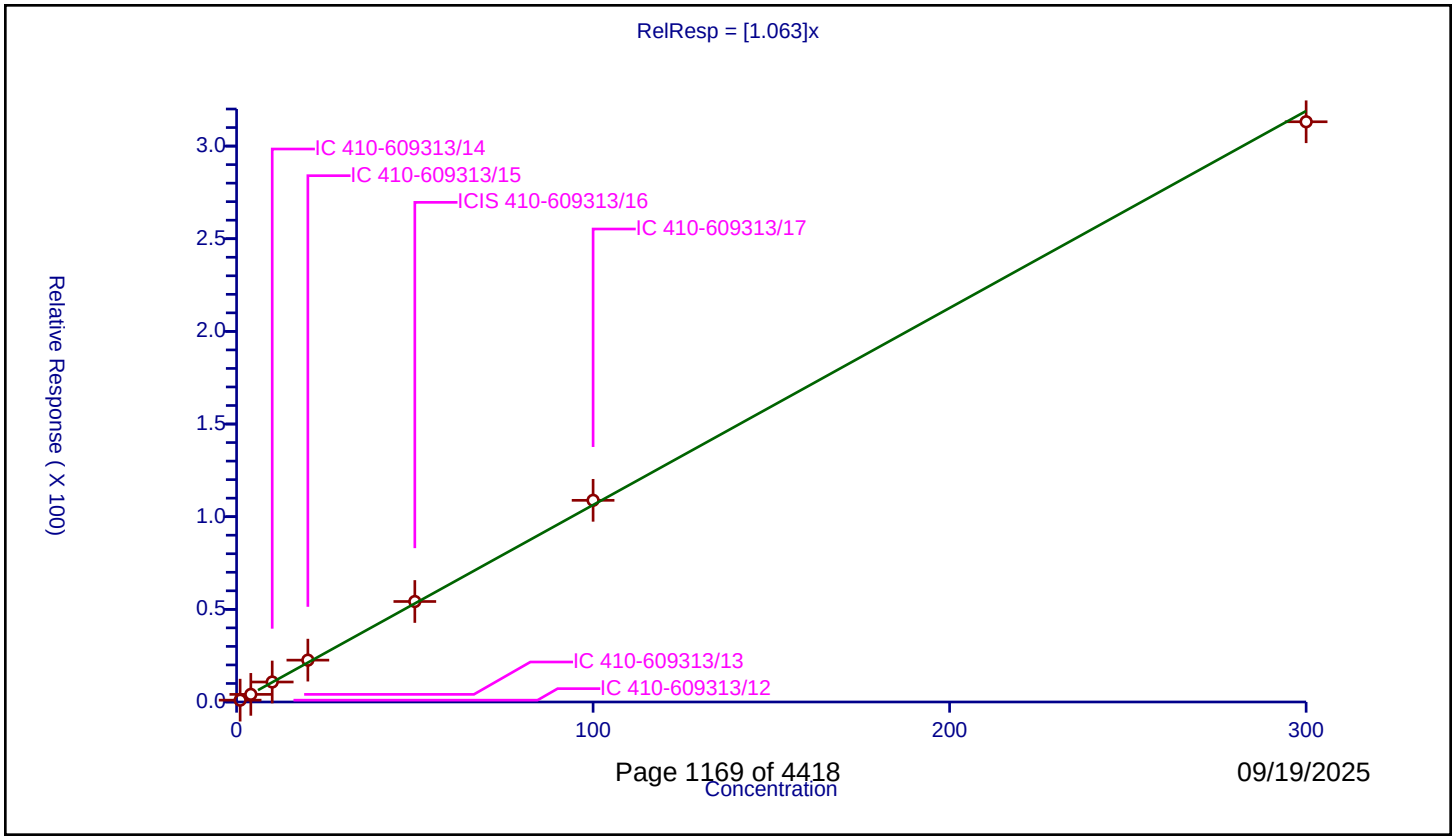
Curve Coefficients

Intercept:	0
Slope:	1.063

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.991724	50.0	400313.0	0.991724	Y
2	IC 410-609313/13	4.0	4.104652	50.0	400375.0	1.026163	Y
3	IC 410-609313/14	10.0	10.779428	50.0	403129.0	1.077943	Y
4	IC 410-609313/15	20.0	22.586899	50.0	414705.0	1.129345	Y
5	ICIS 410-609313/16	50.0	54.234412	50.0	416634.0	1.084688	Y
6	IC 410-609313/17	100.0	108.827054	50.0	423063.0	1.088271	Y
7	IC 410-609313/18	300.0	313.127559	50.0	440676.0	1.043759	Y



Calibration / 2-Ethylhexyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

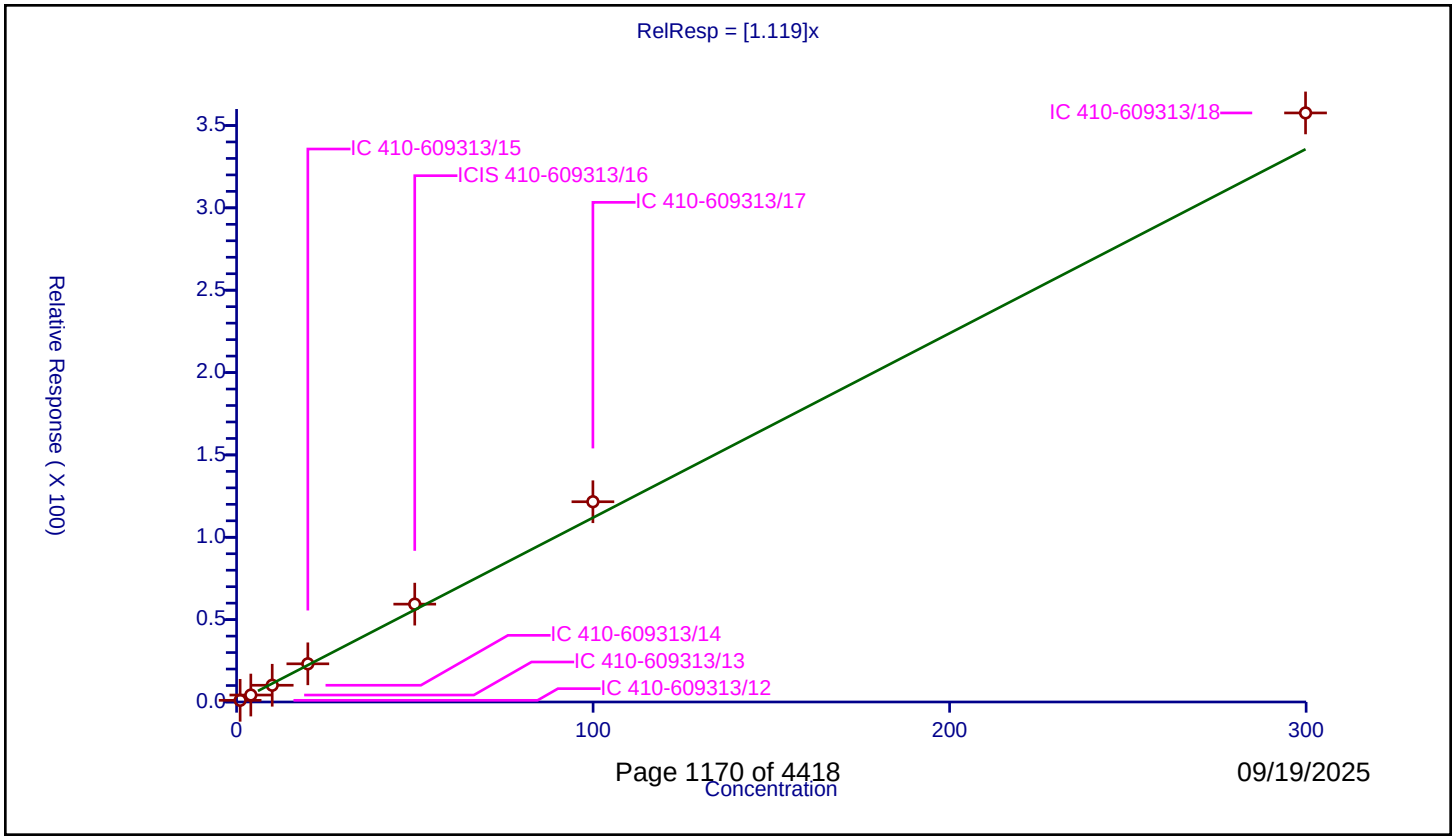
Curve Coefficients

Intercept:	0
Slope:	1.119

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	0.999472	1.004589	50.0	400313.0	1.00512	Y
2	IC 410-609313/13	3.997886	4.22354	50.0	400375.0	1.056443	Y
3	IC 410-609313/14	9.994716	10.15345	50.0	403129.0	1.015882	Y
4	IC 410-609313/15	19.989432	23.17334	50.0	414705.0	1.15928	Y
5	ICIS 410-609313/16	49.97358	59.413058	50.0	416634.0	1.188889	Y
6	IC 410-609313/17	99.94716	121.579174	50.0	423063.0	1.216435	Y
7	IC 410-609313/18	299.84148	357.617161	50.0	440676.0	1.192687	Y



09/19/2025

Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

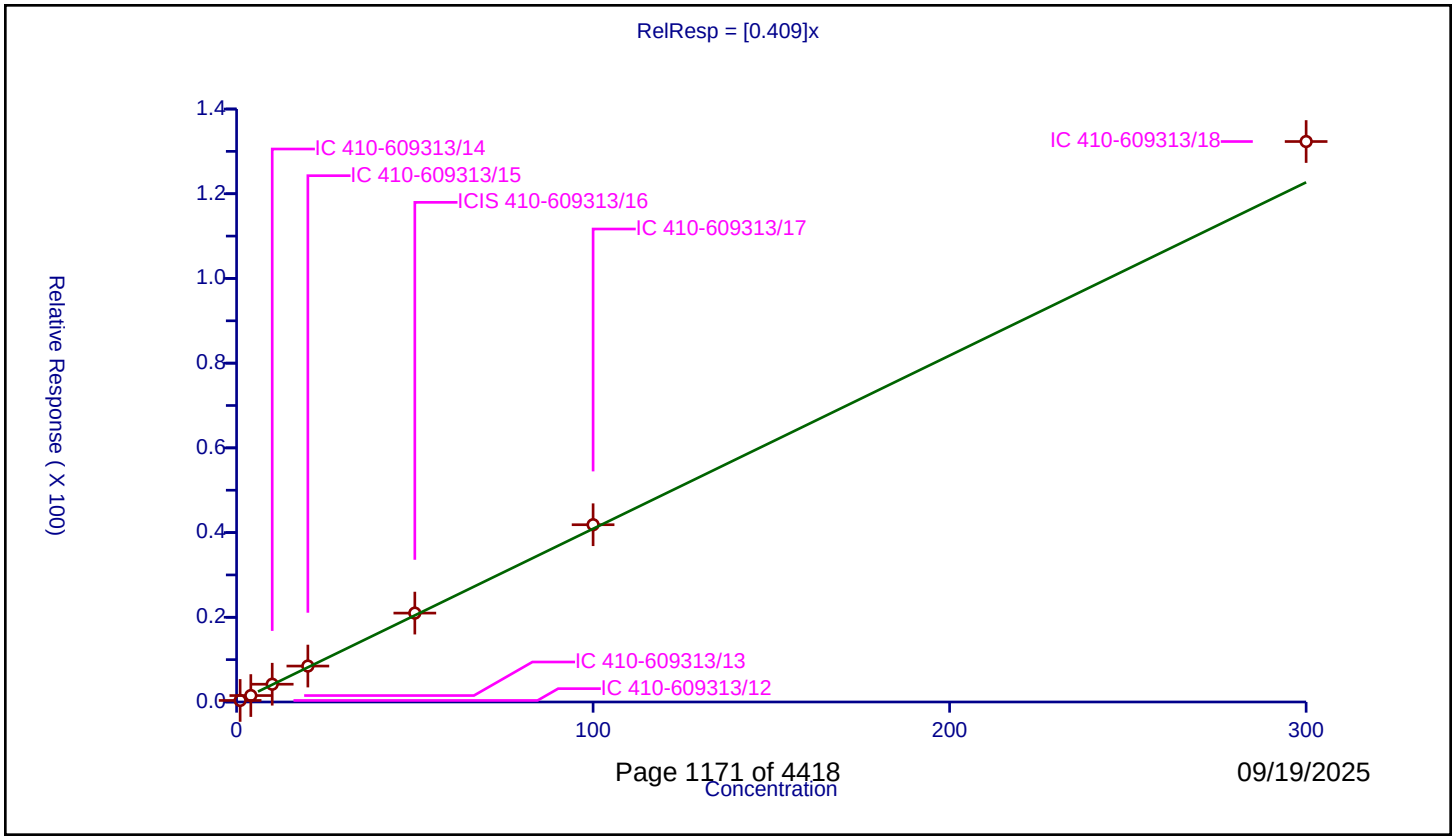
Curve Coefficients

Intercept:	0
Slope:	0.409

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	0.359344	50.0	400313.0	0.359344	Y
2	IC 410-609313/13	4.0	1.522448	50.0	400375.0	0.380612	Y
3	IC 410-609313/14	10.0	4.193695	50.0	403129.0	0.419369	Y
4	IC 410-609313/15	20.0	8.48338	50.0	414705.0	0.424169	Y
5	ICIS 410-609313/16	50.0	20.986645	50.0	416634.0	0.419733	Y
6	IC 410-609313/17	100.0	41.852514	50.0	423063.0	0.418525	Y
7	IC 410-609313/18	300.0	132.327833	50.0	440676.0	0.441093	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

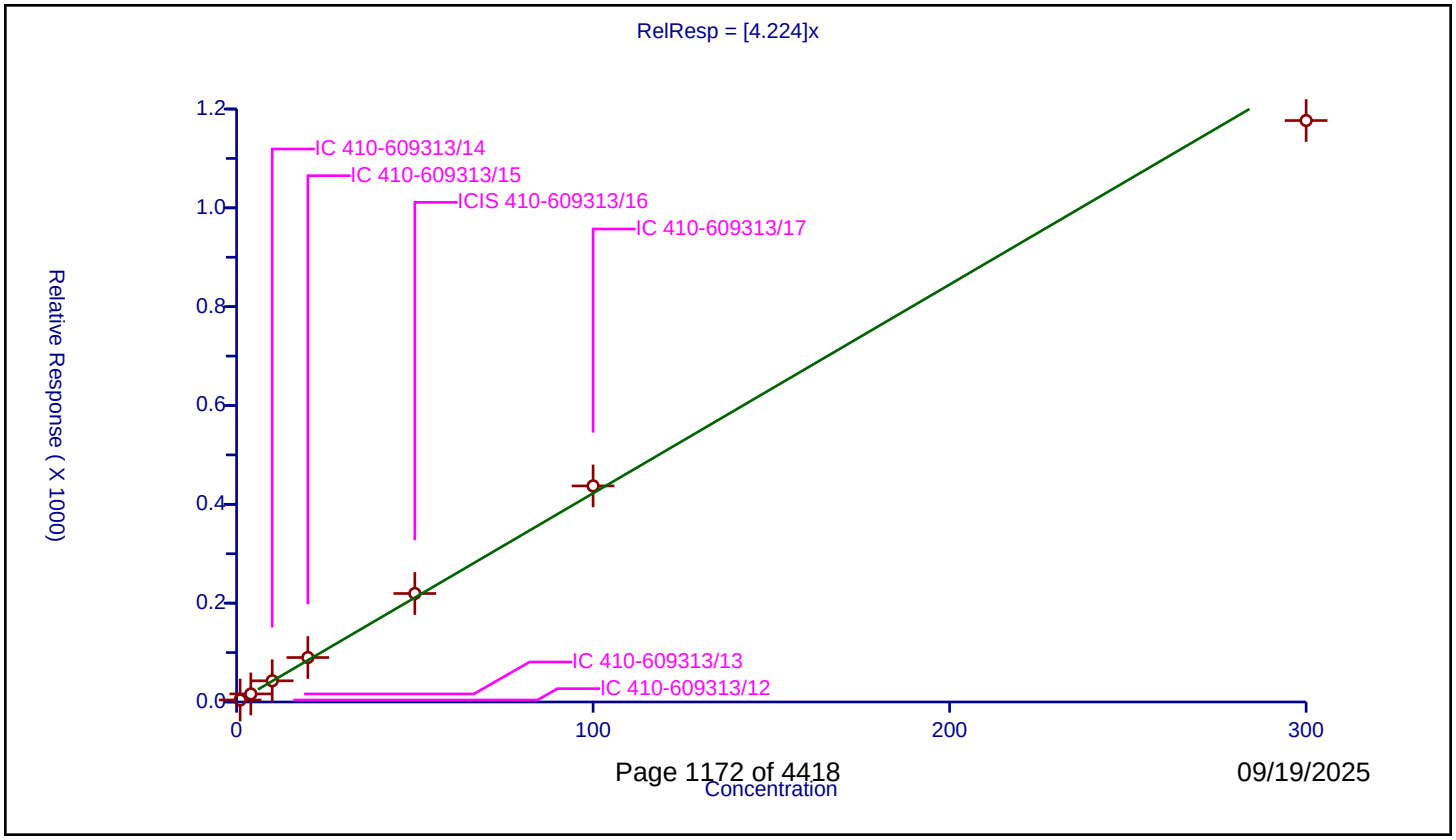
Curve Coefficients

Intercept:	0
Slope:	4.224

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	4.013609	50.0	400313.0	4.013609	Y
2	IC 410-609313/13	4.0	16.312207	50.0	400375.0	4.078052	Y
3	IC 410-609313/14	10.0	42.887388	50.0	403129.0	4.288739	Y
4	IC 410-609313/15	20.0	89.97673	50.0	414705.0	4.498837	Y
5	ICIS 410-609313/16	50.0	219.580615	50.0	416634.0	4.391612	Y
6	IC 410-609313/17	100.0	437.280027	50.0	423063.0	4.3728	Y
7	IC 410-609313/18	300.0	1176.68945	50.0	440676.0	3.922298	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

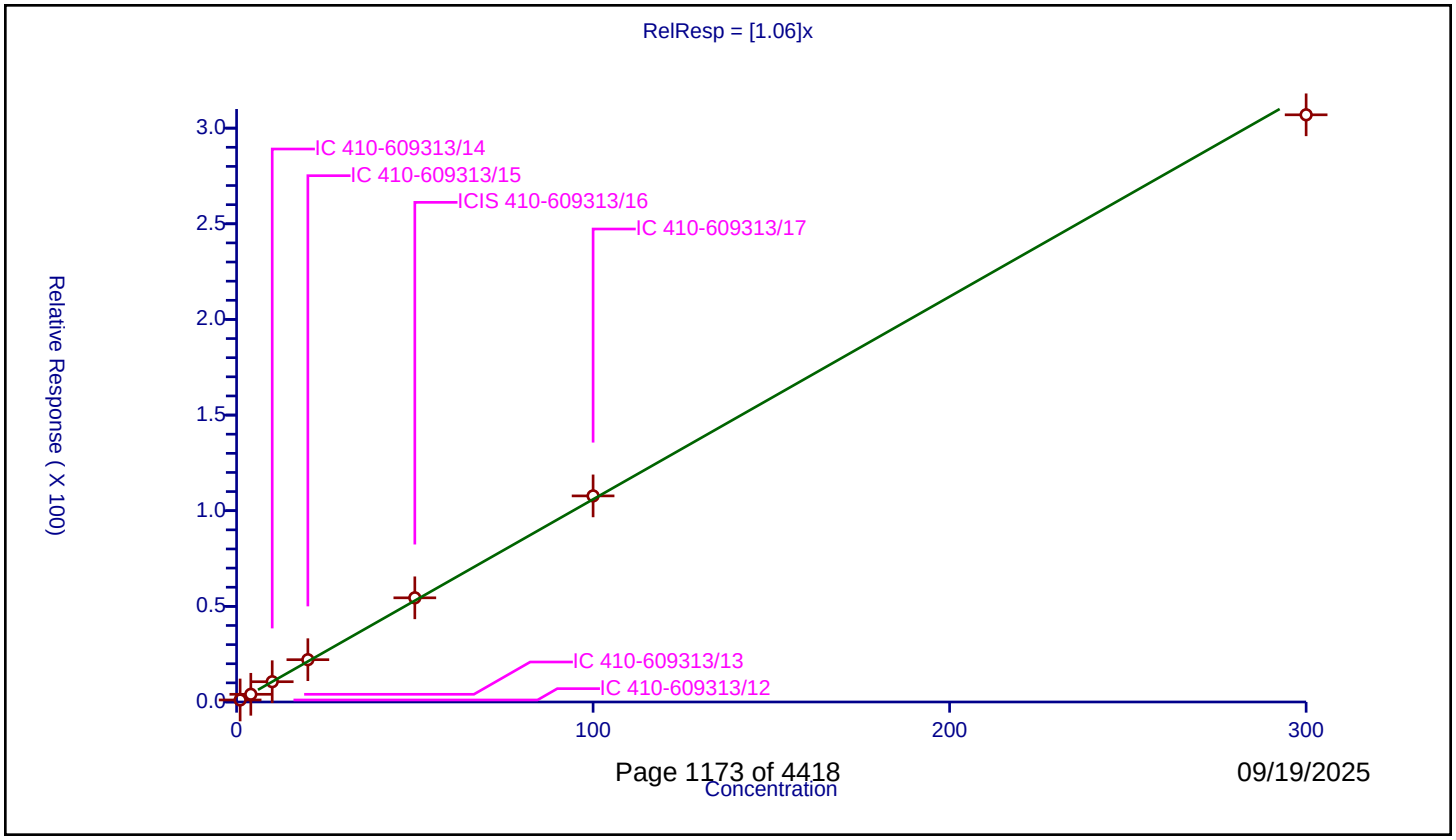
Curve Coefficients

Intercept:	0
Slope:	1.06

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	1.054925	50.0	400313.0	1.054925	Y
2	IC 410-609313/13	4.0	4.025976	50.0	400375.0	1.006494	Y
3	IC 410-609313/14	10.0	10.597352	50.0	403129.0	1.059735	Y
4	IC 410-609313/15	20.0	22.112465	50.0	414705.0	1.105623	Y
5	ICIS 410-609313/16	50.0	54.46255	50.0	416634.0	1.089251	Y
6	IC 410-609313/17	100.0	107.7401	50.0	423063.0	1.077401	Y
7	IC 410-609313/18	300.0	306.978823	50.0	440676.0	1.023263	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

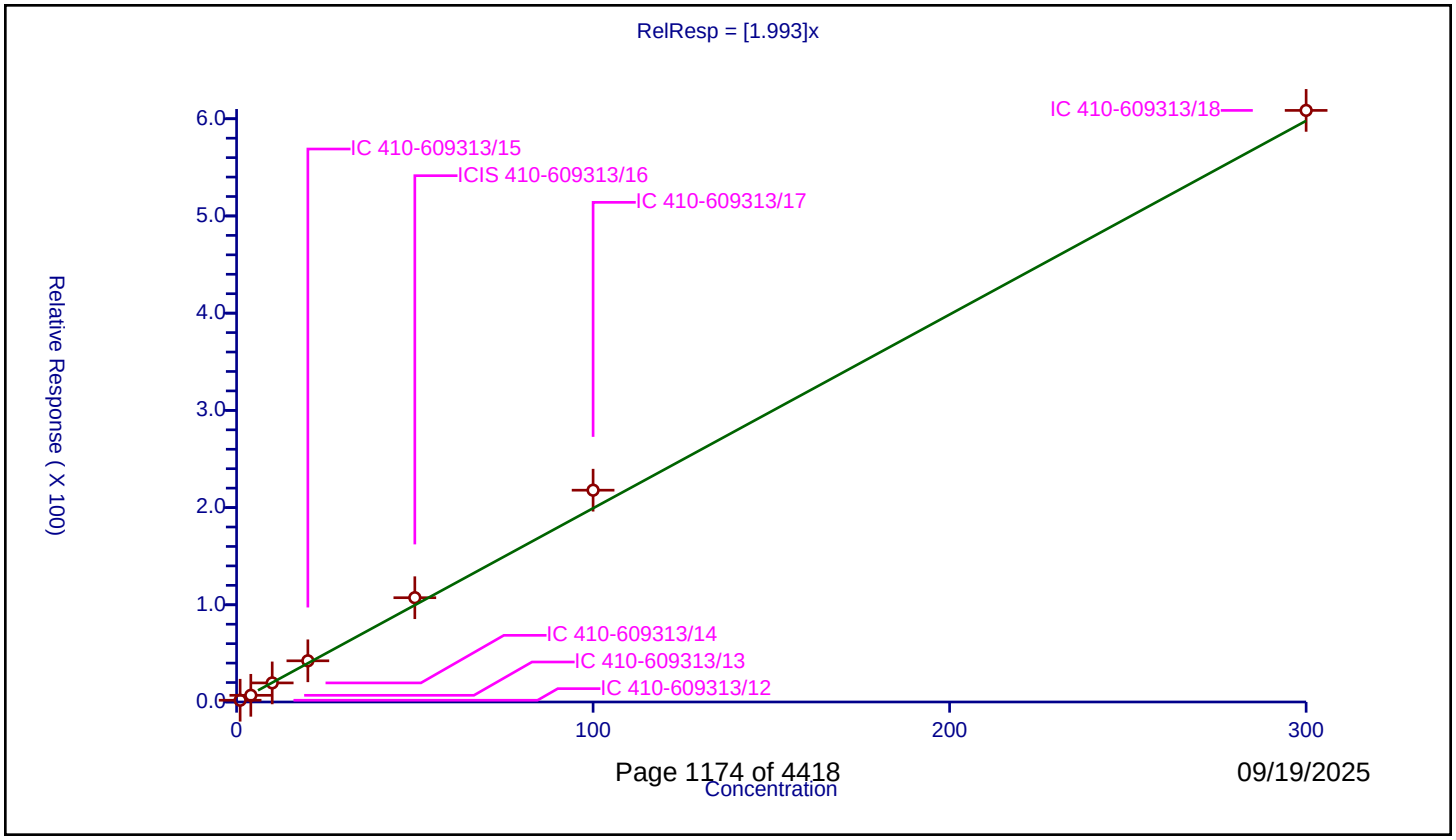
Curve Coefficients

Intercept:	0
Slope:	1.993

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-609313/12	1.0	1.795845	50.0	400313.0	1.795845	Y
2	IC 410-609313/13	4.0	6.876179	50.0	400375.0	1.719045	Y
3	IC 410-609313/14	10.0	19.631185	50.0	403129.0	1.963119	Y
4	IC 410-609313/15	20.0	42.382416	50.0	414705.0	2.119121	Y
5	ICIS 410-609313/16	50.0	107.286491	50.0	416634.0	2.14573	Y
6	IC 410-609313/17	100.0	217.882325	50.0	423063.0	2.178823	Y
7	IC 410-609313/18	300.0	608.575007	50.0	440676.0	2.028583	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 647030

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2025 19:14 Calibration End Date: 05/21/2025 21:16 Calibration ID: 72935

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-647030/12	5Y21X11.D
Level 2	IC 410-647030/13	5Y21X12.D
Level 3	IC 410-647030/14	5Y21X13.D
Level 4	IC 410-647030/15	5Y21X14.D
Level 5	ICIS 410-647030/16	5Y21X15.D
Level 6	IC 410-647030/17	5Y21X16.D
Level 7	IC 410-647030/18	5Y21X17.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3716 0.4645	0.4159 0.4430	0.5122	0.4222	0.4933	Ave		0.4461			0.1000	10.8		20.0			
Chloromethane	0.6124 0.6006	0.5680 0.5494	0.6388	0.5409	0.6261	Ave		0.5909			0.1000	6.5		20.0			
1,3-Butadiene	0.6398 0.6054	0.5989 0.5591	0.6778	0.5728	0.6359	Ave		0.6128				6.7		20.0			
Vinyl chloride	0.4409 0.5083	0.4874 0.4610	0.5332	0.4606	0.5144	Ave		0.4865			0.1000	6.9		20.0			
Bromomethane	0.2911 0.3315	0.3285 0.2980	0.3416	0.2956	0.3310	Ave		0.3168			0.1000	6.6		20.0			
Chloroethane	0.2626 0.2762	0.2746 0.2444	0.2899	0.2504	0.2813	Ave		0.2685			0.1000	6.2		20.0			
Dichlorofluoromethane	0.9088 0.8434	0.8290 0.7584	0.8682	0.7611	0.8492	Ave		0.8311			0.1000	6.6		20.0			
n-Pentane	0.4450 0.5549	0.4077 0.5670	0.4417	0.4747	0.6424	Ave		0.5048				16.8		20.0			
Trichlorofluoromethane	0.4016 0.5206	0.4801 0.4905	0.5560	0.4758	0.5441	Ave		0.4955			0.1000	10.5		20.0			
Ethyl ether	0.2460 0.2461	0.2539 0.2312	0.2545	0.2475	0.2607	Ave		0.2486				3.8		20.0			
Freon 123a	0.3731 0.4132	0.4116 0.3819	0.4453	0.3857	0.4296	Ave		0.4058				6.6		20.0			
Acrolein	1.1812 1.1545	1.2018 1.2952	1.2021	1.1388	1.2173	Ave		1.1987				4.2		20.0			
1,1-Dichloroethene	0.1975 0.2390	0.2219 0.2374	0.2339	0.2383	0.2615	Ave		0.2328			0.1000	8.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 647030

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2025 19:14 Calibration End Date: 05/21/2025 21:16 Calibration ID: 72935

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetone	0.6317 0.5690	0.6146 0.5854	0.5890	0.5799	0.5374	Ave		0.5867			0.1000	5.2		20.0			
Freon 113	+++++ 0.2872	0.2170 0.2863	0.2379	0.2529	0.3237	Ave		0.2675			0.1000	14.5		20.0			
Methyl iodide	0.3926 0.4805	0.4258 0.4665	0.4609	0.4560	0.5124	Ave		0.4564				8.4		20.0			
2-Propanol	0.8377 0.6533	0.6284 0.6317	0.7696	0.6319	0.7040	Ave		0.6938				11.8		20.0			
Carbon disulfide	0.8342 1.0209	0.8943 1.0052	0.9602	0.9637	1.1064	Ave		0.9693			0.1000	9.1		20.0			
Methyl acetate	0.3673 0.4112	0.3789 0.3944	0.4114	0.3939	0.4522	Ave		0.4013			0.1000	6.9		20.0			
Allyl chloride	0.5648 0.5605	0.5208 0.5427	0.5598	0.5553	0.6144	Ave		0.5597				5.1		20.0			
Methylene Chloride	0.3033 0.2985	0.2894 0.2924	0.2921	0.2858	0.3205	Ave		0.2974			0.1000	3.9		20.0			
t-Butyl alcohol	1.1180 1.1931	1.1326 1.0916	1.3145	1.0601	1.2180	Ave		1.1611				7.5		20.0			
Acrylonitrile	0.2044 0.2042	0.2066 0.1940	0.2187	0.2011	0.2218	Ave		0.2073				4.7		20.0			
trans-1,2-Dichloroethene	0.2310 0.2575	0.2423 0.2489	0.2519	0.2581	0.2832	Ave		0.2533			0.1000	6.4		20.0			
Methyl tertiary butyl ether	0.8713 0.9170	0.8870 0.8806	0.9190	0.8867	0.9711	Ave		0.9047			0.1000	3.8		20.0			
n-Hexane	0.3145 0.3881	0.2939 0.3793	0.2700	0.2950	0.4403	Ave		0.3402				18.4		20.0			
1,1-Dichloroethane	0.4677 0.5521	0.5315 0.5256	0.5413	0.5448	0.6011	Ave		0.5377			0.2000	7.4		20.0			
Isopropyl ether	1.0251 1.1068	1.0279 1.0791	1.0966	1.0845	1.1861	Ave		1.0866				5.0		20.0			
2-Chloro-1,3-butadiene	0.4332 0.4893	0.4477 0.4696	0.4719	0.4920	0.5397	Ave		0.4776				7.2		20.0			
Ethyl t-butyl ether	0.8497 0.9976	0.9152 0.9738	0.9571	0.9447	1.0558	Ave		0.9563				6.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 647030

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2025 19:14 Calibration End Date: 05/21/2025 21:16 Calibration ID: 72935

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Butanone	0.2863 0.2950	0.2930 0.3027	0.2963	0.2731	0.2977	Ave		0.2920			0.1000	3.3		20.0			
cis-1,2-Dichloroethene	0.2731 0.3047	0.2918 0.2917	0.2996	0.2982	0.3317	Ave		0.2987			0.1000	5.9		20.0			
2,2-Dichloropropane	0.3735 0.4546	0.4294 0.4394	0.4273	0.4447	0.4886	Ave		0.4368				7.9		20.0			
Propionitrile	0.9712 1.0220	0.9194 1.0319	0.9934	0.9521	1.0866	Ave		0.9967				5.6		20.0			
Methyl acrylate	0.5988 0.4667	0.4912 0.4803	0.5307	0.4933	0.5129	Ave		0.5105				8.7		20.0			
Methacrylonitrile	0.1795 0.1814	0.1736 0.1753	0.1826	0.1674	0.1937	Ave		0.1791				4.6		20.0			
Bromochloromethane	0.1137 0.1365	0.1294 0.1332	0.1349	0.1297	0.1475	Ave		0.1321				7.7		20.0			
Tetrahydrofuran	0.7541 0.8057	0.7373 0.8416	0.7854	0.7471	0.8420	Ave		0.7876				5.6		20.0			
Chloroform	0.4791 0.5022	0.4717 0.4822	0.5002	0.4930	0.5410	Ave		0.4956			0.2000	4.6		20.0			
1,1,1-Trichloroethane	0.3724 0.4395	0.3926 0.4320	0.3950	0.4302	0.4748	Ave		0.4195			0.1000	8.3		20.0			
Cyclohexane	0.4380 0.5855	0.4620 0.5882	0.4656	0.4960	0.6506	Ave		0.5265			0.1000	15.4		20.0			
Carbon tetrachloride	0.2714 0.3709	0.3147 0.3690	0.3238	0.3491	0.4008	Ave		0.3428			0.1000	12.6		20.0			
1,1-Dichloropropene	0.3293 0.4200	0.3718 0.4138	0.3822	0.4039	0.4542	Ave		0.3964				10.1		20.0			
Isobutyl alcohol	0.3894 0.3844	0.3247 0.3619	0.4299	0.3414	0.3915	Ave		0.3748				9.4		20.0			
Benzene	1.0609 1.2107	1.0822 1.1970	1.1442	1.1650	1.2852	Ave		1.1636			0.5000	6.6		20.0			
1,2-Dichloroethane	0.3819 0.4020	0.3726 0.3895	0.3911	0.3787	0.4278	Ave		0.3919			0.1000	4.7		20.0			
t-Amyl methyl ether	0.7714 0.8923	0.8015 0.8869	0.8669	0.8317	0.9341	Ave		0.8550				6.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 647030

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2025 19:14 Calibration End Date: 05/21/2025 21:16 Calibration ID: 72935

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Heptane	+++++ 0.3668	0.2669 0.3613	0.2237	0.2526	0.3950	Lin	-0.556	0.3647							0.9990		0.9900
n-Butanol	0.3009 0.2833	0.2506 0.2641	0.3048	0.2451	0.2844	Ave		0.2762				8.5		20.0			
Trichloroethene	0.2382 0.2976	0.2531 0.2960	0.2677	0.2838	0.3166	Ave		0.2790			0.2000	9.8		20.0			
Ethyl acrylate	0.5125 0.5110	0.4616 0.5347	0.5308	0.4948	0.5436	Ave		0.5127				5.5		20.0			
Methylcyclohexane	0.2960 0.4740	0.3387 0.4833	0.3237	0.3551	0.5194	Lin1	-0.401	0.4807			0.1000				0.9950		0.9900
1,2-Dichloropropane	0.2872 0.3308	0.3013 0.3303	0.3111	0.3126	0.3510	Ave		0.3178			0.1000	6.7		20.0			
t-Amyl ethyl ether	0.3299 0.4024	0.3505 0.4075	0.3821	0.3766	0.4299	Ave		0.3827				9.0		20.0			
1,4-Dioxane	+++++ 0.0601	0.0529 0.0562	0.0637	0.0540	0.0588	Ave		0.0576			0.0050	7.0		20.0			
Dibromomethane	0.1675 0.1848	0.1690 0.1843	0.1789	0.1742	0.1961	Ave		0.1793				5.6		20.0			
Methyl methacrylate	0.2411 0.2621	0.2406 0.2632	0.2499	0.2301	0.2738	Ave		0.2515				6.1		20.0			
Bromodichloromethane	0.3166 0.3764	0.3244 0.3794	0.3426	0.3384	0.3952	Ave		0.3533			0.2000	8.6		20.0			
2-Nitropropane	1.4637 1.5427	1.2839 1.6374	1.4416	1.3746	1.6056	Ave		1.4785				8.5		20.0			
2-Chloroethyl vinyl ether	0.1778 0.2185	0.1844 0.2334	0.2006	0.1965	0.2178	Ave		0.2041				9.8		20.0			
cis-1,3-Dichloropropene	0.3765 0.4888	0.3924 0.5040	0.4331	0.4351	0.5077	Ave		0.4482			0.2000	11.9		20.0			
4-Methyl-2-pentanone	0.5660 0.6158	0.5816 0.6099	0.5889	0.5640	0.6020	Ave		0.5897			0.1000	3.5		20.0			
Toluene	0.8521 1.0067	0.8921 0.9719	0.9389	0.9675	1.0617	Ave		0.9558			0.4000	7.3		20.0			
trans-1,3-Dichloropropene	0.4897 0.6101	0.5192 0.6105	0.5717	0.5448	0.6347	Ave		0.5687			0.1000	9.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 647030

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2025 19:14 Calibration End Date: 05/21/2025 21:16 Calibration ID: 72935

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl methacrylate	0.6634 0.6660	0.6293 0.6255	0.7202	0.6289	0.7070	Ave		0.6629				5.8		20.0			
1,1,2-Trichloroethane	0.3106 0.3497	0.3173 0.3347	0.3497	0.3177	0.3633	Ave		0.3347			0.1000	6.0		20.0			
Tetrachloroethene	0.3081 0.3875	0.3363 0.3763	0.3368	0.3477	0.4073	Ave		0.3572			0.2000	9.7		20.0			
1,3-Dichloropropane	0.5524 0.6005	0.5458 0.5892	0.5935	0.5481	0.6307	Ave		0.5800				5.5		20.0			
2-Hexanone	0.6468 0.6067	0.6051 0.5728	0.6182	0.5647	0.5890	Ave		0.6005			0.1000	4.7		20.0			
Dibromochloromethane	0.3089 0.3826	0.3221 0.3820	0.3538	0.3385	0.3948	Ave		0.3547				9.3		20.0			
1,2-Dibromoethane	0.3183 0.3564	0.3244 0.3509	0.3493	0.3274	0.3776	Ave		0.3435			0.1000	6.2		20.0			
1-Chlorohexane	0.5206 0.5021	0.4759 0.4871	0.4119	0.4326	0.5361	Ave		0.4809				9.4		20.0			
Chlorobenzene	0.8551 1.0399	0.9237 1.0426	0.9844	0.9712	1.0950	Ave		0.9874			0.5000	8.2		20.0			
1,1,1,2-Tetrachloroethane	0.3499 0.3982	0.3486 0.3837	0.3781	0.3685	0.4154	Ave		0.3775				6.5		20.0			
Ethylbenzene	1.7064 2.0630	1.8688 1.9760	1.8831	1.8893	2.1828	Ave		1.9385			0.1000	7.9		20.0			
m&p-Xylene	0.6041 0.7507	0.6793 0.7272	0.6741	0.6924	0.7885	Ave		0.7023			0.1000	8.5		20.0			
n-Butyl acrylate	1.1113 1.0235	1.1147 1.0036	1.2661	1.1763	1.1320	Ave		1.1182				8.0		20.0			
o-Xylene	0.6530 0.7682	0.6948 0.7366	0.7186	0.7221	0.8078	Ave		0.7287			0.3000	6.8		20.0			
Styrene	0.9784 1.1845	1.1130 1.1741	1.1541	1.1332	1.2508	Ave		1.1412			0.3000	7.4		20.0			
Bromoform	0.2303 0.2858	0.2342 0.2809	0.2760	0.2548	0.2917	Ave		0.2648			0.1000	9.5		20.0			
Isopropylbenzene	1.4226 1.8007	1.5922 1.6988	1.5495	1.5596	1.9048	Ave		1.6469			0.1000	10.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 647030

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2025 19:14 Calibration End Date: 05/21/2025 21:16 Calibration ID: 72935

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Cyclohexanone	0.1373 0.2638	0.1348 0.2707	0.2740	0.2825	0.2552	Ave		0.2312				28.3	*	20.0			
Bromobenzene	0.5831 0.8248	0.6922 0.8230	0.7419	0.7475	0.8482	Ave		0.7515				12.4		20.0			
1,1,2,2-Tetrachloroethane	1.2385 1.3585	1.2286 1.2705	1.3995	1.2465	1.3966	Ave		1.3055			0.3000	5.9		20.0			
trans-1,4-Dichloro-2-butene	0.3742 0.3989	0.3793 0.3752	0.4288	0.3822	0.4235	Ave		0.3946				5.9		20.0			
1,2,3-Trichloropropane	0.3063 0.3412	0.3167 0.3191	0.3606	0.3223	0.3549	Ave		0.3316				6.3		20.0			
N-Propylbenzene	3.5127 4.6581	3.9477 4.2092	3.7105	3.8419	4.8521	Ave		4.1046				12.1		20.0			
2-Chlorotoluene	0.6517 0.8549	0.7173 0.8218	0.7389	0.7476	0.8781	Ave		0.7729				10.5		20.0			
1,3,5-Trimethylbenzene	2.2719 3.2042	2.5116 3.0897	2.5135	2.5860	3.2683	Ave		2.7779				14.3		20.0			
4-Chlorotoluene	0.6705 0.8060	0.6996 0.8013	0.7207	0.7151	0.8415	Ave		0.7507				8.6		20.0			
tert-Butylbenzene	+++++ 0.5296	0.3749 0.5225	0.3679	0.3930	0.5303	Ave		0.4530				18.1		20.0			
1,2,4-Trimethylbenzene	2.4571 3.2314	2.6155 3.1115	2.6703	2.6996	3.3343	Ave		2.8743				12.0		20.0			
sec-Butylbenzene	2.5922 3.8029	2.7900 3.5988	2.6703	2.8239	3.8589	Ave		3.1624				17.8		20.0			
1,3-Dichlorobenzene	1.2190 1.5082	1.3779 1.4641	1.3443	1.3380	1.5794	Ave		1.4044			0.6000	8.6		20.0			
p-Isopropyltoluene	2.1900 3.1585	2.4464 3.0526	2.2805	2.3905	3.2120	Ave		2.6758				16.6		20.0			
1,4-Dichlorobenzene	1.2901 1.5014	1.3159 1.4715	1.3641	1.3496	1.5776	Ave		1.4100			0.5000	7.6		20.0			
1,2,3-Trimethylbenzene	2.4597 3.3476	2.7279 3.2217	2.7770	2.7673	3.3838	Ave		2.9550				12.1		20.0			
Benzyl chloride	2.1899 2.5835	2.3075 2.3992	2.6142	2.4383	2.6930	Ave		2.4608				7.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 647030

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2025 19:14 Calibration End Date: 05/21/2025 21:16 Calibration ID: 72935

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3-Diethylbenzene	1.2513 1.7466	1.3784 1.6651	1.3248	1.3800	1.7867	Ave		1.5047				14.7		20.0			
1,4-Diethylbenzene	1.3369 1.8274	1.5010 1.7392	1.3927	1.4344	1.8739	Ave		1.5865				14.0		20.0			
n-Butylbenzene	1.1945 1.5621	1.3153 1.4957	1.1787	1.2048	1.6143	Ave		1.3665				13.7		20.0			
1,2-Dichlorobenzene	1.2981 1.5472	1.3484 1.4881	1.4500	1.3821	1.6016	Ave		1.4451			0.4000	7.6		20.0			
1,2-Diethylbenzene	1.0690 1.4861	1.1363 1.4467	1.1244	1.1586	1.4912	Ave		1.2732				15.0		20.0			
1,2-Dibromo-3-Chloropropane	0.2755 0.3949	0.3377 0.3449	0.4060	0.3569	0.3932	Ave		0.3584			0.0500	12.6		20.0			
1,3,5-Trichlorobenzene	0.8686 1.0203	0.8548 0.9514	0.8290	0.8378	1.0582	Ave		0.9172				10.2		20.0			
1,2,4-Trichlorobenzene	0.8193 1.0047	0.8416 0.9074	0.8528	0.8327	1.0295	Ave		0.8983			0.2000	9.6		20.0			
2-Ethylhexyl acrylate	1.2967 1.3136	1.1596 1.1903	1.3838	1.4163	1.3999	Ave		1.3086				7.8		20.0			
Hexachlorobutadiene	0.2437 0.3552	0.2720 0.3450	0.2459	0.2506	0.3607	Ave		0.2962				18.5		20.0			
Naphthalene	3.7245 4.3852	3.8286 3.7478	4.1339	3.8246	4.4287	Ave		4.0105				7.5		20.0			
1,2,3-Trichlorobenzene	0.7942 1.0222	0.8623 0.9034	0.8798	0.8399	1.0307	Ave		0.9047				9.9		20.0			
2-Methylnaphthalene	1.5563 2.1372	1.6232 1.7669	1.8007	1.6921	2.0840	Ave		1.8086				12.3		20.0			
Dibromofluoromethane (Surr)	0.2500 0.2443	0.2513 0.2409	0.2447	0.2469	0.2460	Ave		0.2463				1.4		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0550 0.0544	0.0555 0.0539	0.0549	0.0548	0.0553	Ave		0.0548				1.0		20.0			
Toluene-d8 (Surr)	1.4038 1.3514	1.4024 1.3241	1.3938	1.3735	1.3584	Ave		1.3725				2.2		20.0			
4-Bromofluorobenzene (Surr)	0.5592 0.5179	0.5544 0.5150	0.5475	0.5314	0.5201	Ave		0.5351				3.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 647030

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2025 19:14 Calibration End Date: 05/21/2025 21:16 Calibration ID: 72935

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-647030/12	5Y21X11.D
Level 2	IC 410-647030/13	5Y21X12.D
Level 3	IC 410-647030/14	5Y21X13.D
Level 4	IC 410-647030/15	5Y21X14.D
Level 5	ICIS 410-647030/16	5Y21X15.D
Level 6	IC 410-647030/17	5Y21X16.D
Level 7	IC 410-647030/18	5Y21X17.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	8490 1149449	38074 3435133	122651	203859	609610	1.00 100	4.00 300	10.0	20.0	50.0
Chloromethane	FB	Ave	13993 1486279	51998 4259996	152979	261213	773790	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Butadiene	FB	Ave	14619 1498058	54827 4334902	162316	276610	785880	1.00 100	4.00 300	10.0	20.0	50.0
Vinyl chloride	FB	Ave	10073 1257789	44621 3574638	127693	222445	635682	1.00 100	4.00 300	10.0	20.0	50.0
Bromomethane	FB	Ave	6651 820330	30069 2310945	81806	142749	409102	1.00 100	4.00 300	10.0	20.0	50.0
Chloroethane	FB	Ave	6000 683507	25142 1895066	69423	120900	347680	1.00 100	4.00 300	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	20764 2086993	75892 5880190	207918	367527	1049460	1.00 100	4.00 300	10.0	20.0	50.0
n-Pentane	FB	Ave	10168 1373144	37327 4396605	105787	229217	793943	1.00 100	4.00 300	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	9176 1288234	43949 3803472	133156	229768	672410	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl ether	FB	Ave	5623 609093	23249 1793527	60962	119563	322334	1.00 100	4.00 300	10.0	20.0	50.0
Freon 123a	FB	Ave	8524 1022410	37684 2960880	106632	186234	530962	1.00 100	4.00 300	10.0	20.0	50.0
Acrolein	TBAd10	Ave	25729 2495846	100537 8038307	259645	478488	1311089	9.76 976	39.0 2927	97.6	195	488
1,1-Dichloroethene	FB	Ave	4512 591482	20314 1840730	56008	115087	323234	1.00 100	4.00 300	10.0	20.0	50.0
Acetone	TBAd10	Ave	2820 252117	10539 744715	26075	49942	118630	2.00 200	8.00 600	20.0	40.0	100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 647030

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2025 19:14 Calibration End Date: 05/21/2025 21:16 Calibration ID: 72935

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Freon 113	FB	Ave	+++++ 710686	19863 2219970	56961	122124	400111	+++++ 100	4.00 300	10.0	20.0	50.0
Methyl iodide	FB	Ave	8970 1189143	38980 3617189	110370	220206	633219	1.00 100	4.00 300	10.0	20.0	50.0
2-Propanol	TBAd10	Ave	9350 723653	26936 2008826	85175	136041	388503	5.00 500	20.0 1500	50.0	100	250
Carbon disulfide	FB	Ave	19059 2526343	81872 7793771	229948	465344	1367391	1.00 100	4.00 300	10.0	20.0	50.0
Methyl acetate	FB	Ave	8391 1017565	34685 3057856	98511	190199	558925	1.00 100	4.00 300	10.0	20.0	50.0
Allyl chloride	FB	Ave	12904 1386931	47675 4207809	134066	268135	759373	1.00 100	4.00 300	10.0	20.0	50.0
Methylene Chloride	FB	Ave	6929 738770	26493 2267168	69953	138016	396130	1.00 100	4.00 300	10.0	20.0	50.0
t-Butyl alcohol	TBAd10	Ave	12478 1321569	48550 3471418	145486	228236	672175	5.00 500	20.0 1500	50.0	100	250
Acrylonitrile	FB	Ave	11675 1263539	47287 3760590	130909	242825	685238	2.50 250	10.0 750	25.0	50.0	125
trans-1,2-Dichloroethene	FB	Ave	5279 637321	22185 1929771	60331	124613	350042	1.00 100	4.00 300	10.0	20.0	50.0
Methyl tertiary butyl ether	FB	Ave	19908 2269219	81198 6828159	220076	428178	1200168	1.00 100	4.00 300	10.0	20.0	50.0
n-Hexane	FB	Ave	7185 960455	26908 2940596	64660	142458	544168	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloroethane	FB	Ave	10686 1366300	48655 4075550	129639	263092	742926	1.00 100	4.00 300	10.0	20.0	50.0
Isopropyl ether	FB	Ave	23422 2738734	94098 8366872	262611	523684	1465934	1.00 100	4.00 300	10.0	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	9898 1210701	40989 3640963	113016	237585	667019	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl t-butyl ether	FB	Ave	19413 2468547	83783 7550565	229193	456208	1304838	1.00 100	4.00 300	10.0	20.0	50.0
2-Butanone	FB	Ave	13085 1459851	53652 4693484	141890	263792	735914	2.00 200	8.00 600	20.0	40.0	100
cis-1,2-Dichloroethene	FB	Ave	6239 754057	26711 2261948	71738	143976	409941	1.00 100	4.00 300	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	8533 1124996	39310 3407158	102317	214745	603823	1.00 100	4.00 300	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 647030

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2025 19:14 Calibration End Date: 05/21/2025 21:16 Calibration ID: 72935

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propionitrile	TBAd10	Ave	10839 1132096	39413 3281733	109950	204978	599678	5.00 500	20.0 1500	50.0	100	250
Methyl acrylate	FB	Ave	13685 1155024	44972 3724351	127119	238260	633959	1.00 100	4.00 300	10.0	20.0	50.0
Methacrylonitrile	FB	Ave	10251 1121912	39736 3398672	109315	202045	598551	2.50 250	10.0 750	25.0	50.0	125
Bromochloromethane	FB	Ave	2597 337711	11846 1033104	32296	62628	182287	1.00 100	4.00 300	10.0	20.0	50.0
Tetrahydrofuran	TBAd10	Ave	8416 892443	31606 2676473	86924	160837	464662	5.00 500	20.0 1500	50.0	100	250
Chloroform	FB	Ave	10946 1242816	43182 3738952	119796	238067	668591	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	8509 1087546	35944 3349322	94584	207748	586840	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexane	FB	Ave	10007 1448970	42292 4560330	111495	239506	804071	1.00 100	4.00 300	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	6200 917713	28811 2860783	77537	168598	495328	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	7524 1039281	34033 3208570	91530	195037	561289	1.00 100	4.00 300	10.0	20.0	50.0
Isobutyl alcohol	TBAd10	Ave	10864 1064583	34798 2877143	118951	183779	540221	12.5 1250	50.0 3750	125	250	625
Benzene	FB	Ave	24240 2996020	99070 9281247	274016	562557	1588340	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	8725 994756	34111 3019804	93664	182865	528758	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl methyl ether	FB	Ave	17624 2208123	73371 6876433	207601	401645	1154391	1.00 100	4.00 300	10.0	20.0	50.0
n-Heptane	FB	Lin	+++++ 907559	24431 2801275	53567	121969	488228	+++++ 100	4.00 300	10.0	20.0	50.0
n-Butanol	TBAd10	Ave	8396 784598	26855 2099841	84322	131911	392341	12.5 1250	50.0 3750	125	250	625
Trichloroethene	FB	Ave	5443 736308	23174 2294870	64107	137055	391249	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl acrylate	FB	Ave	11714 1264956	42274 4146984	127169	238998	672034	1.00 100	4.00 300	10.0	20.0	50.0
Methylcyclohexane	FB	Lin1	6764	31006	77513	171453	641867	1.00	4.00	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 647030

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2025 19:14 Calibration End Date: 05/21/2025 21:16 Calibration ID: 72935

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			1173004	3747103				100	300			
1,2-Dichloropropane	FB	Ave	6563 818486	27582 2560915	74499	150942	433818	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl ethyl ether	FB	Ave	7538 995840	32090 3159525	91495	181835	531292	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dioxane	TBAd10	Ave	+++++ 166311	5673 446760	17638	29060	81146	+++++ 1250	50.0 3750	125	250	625
Dibromomethane	FB	Ave	3827 457311	15475 1428736	42842	84141	242341	1.00 100	4.00 300	10.0	20.0	50.0
Methyl methacrylate	FB	Ave	5509 648576	22029 2040823	59839	111100	338331	1.00 100	4.00 300	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	7233 931360	29693 2942060	82056	163426	488438	1.00 100	4.00 300	10.0	20.0	50.0
2-Nitropropane	TBAd10	Ave	16336 1708835	55034 5207052	159551	295940	886103	5.00 500	20.0 1500	50.0	100	250
2-Chloroethyl vinyl ether	FB	Ave	4062 540726	16882 1809428	48043	94866	269186	1.00 100	4.00 300	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	8602 1209666	35923 3907686	103728	210103	627441	1.00 100	4.00 300	10.0	20.0	50.0
4-Methyl-2-pentanone	FB	Ave	25866 3047733	106479 9458470	282072	544675	1487899	2.00 200	8.00 600	20.0	40.0	100
Toluene	CBZd5	Ave	12789 1740966	53754 5516599	148565	316611	914856	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZd5	Ave	7350 1055113	31282 3465434	90470	178290	546899	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl methacrylate	CBZd5	Ave	9956 1151778	37918 3550252	113967	205808	609235	1.00 100	4.00 300	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZd5	Ave	4662 604781	19118 1899639	55343	103969	313015	1.00 100	4.00 300	10.0	20.0	50.0
Tetrachloroethene	CBZd5	Ave	4624 670176	20266 2136078	53299	113787	350941	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichloropropane	CBZd5	Ave	8291 1038492	32885 3344489	93912	179353	543509	1.00 100	4.00 300	10.0	20.0	50.0
2-Hexanone	CBZd5	Ave	19414 2098256	72922 6502572	195635	369612	1015154	2.00 200	8.00 600	20.0	40.0	100
Dibromochloromethane	CBZd5	Ave	4636 661614	19405 2168298	55986	110767	340199	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromoethane	CBZd5	Ave	4777 616429	19545 1991511	55280	107125	325411	1.00 100	4.00 300	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 647030

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2025 19:14 Calibration End Date: 05/21/2025 21:16 Calibration ID: 72935

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1-Chlorohexane	CBZd5	Ave	7813 868259	28673 2764653	65180	141551	461956	1.00 100	4.00 300	10.0	20.0	50.0
Chlorobenzene	CBZd5	Ave	12834 1798410	55658 5917788	155763	317822	943604	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZd5	Ave	5251 688661	21006 2177793	59827	120577	357939	1.00 100	4.00 300	10.0	20.0	50.0
Ethylbenzene	CBZd5	Ave	25609 3567753	112602 11216385	297981	618282	1880904	1.00 100	4.00 300	10.0	20.0	50.0
m&p-Xylene	CBZd5	Ave	18134 2596354	81860 8255199	213343	453181	1358947	2.00 200	8.00 600	20.0	40.0	100
n-Butyl acrylate	CBZd5	Ave	16672 1769253	67139 5694506	200255	384767	975020	1.000 100.0	4.00 300	10.00	20.0	50.0
o-Xylene	CBZd5	Ave	9800 1328437	41867 4181024	113712	236297	696056	1.00 100	4.00 300	10.0	20.0	50.0
Styrene	CBZd5	Ave	14684 2048509	67065 6664213	182616	370835	1077851	1.00 100	4.00 300	10.0	20.0	50.0
Bromoform	CBZd5	Ave	3457 494279	14110 1594635	43675	83375	251372	1.00 100	4.00 300	10.0	20.0	50.0
Isopropylbenzene	CBZd5	Ave	21350 3114070	95936 9642858	245186	510365	1641395	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexanone	TBAd10	Ave	15328 730542	57782 2151971	151626	304085	352019	50.0 1250	200 3750	250	500	625
Bromobenzene	DCBd4	Ave	4902 720284	23329 2331964	63930	129511	376074	1.00 100	4.00 300	10.0	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd4	Ave	10411 1186404	41404 3600035	120596	215972	619248	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	7865 870820	31953 2657939	92380	165529	469478	2.50 250	10.0 750	25.0	50.0	125
1,2,3-Trichloropropane	DCBd4	Ave	2575 297960	10672 904167	31071	55847	157376	1.00 100	4.00 300	10.0	20.0	50.0
N-Propylbenzene	DCBd4	Ave	29529 4067892	133039 11926810	319738	665649	2151390	1.00 100	4.00 300	10.0	20.0	50.0
2-Chlorotoluene	DCBd4	Ave	5478 746539	24174 2328560	63674	129528	389337	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCBd4	Ave	19098 2798218	84641 8754768	216590	448047	1449133	1.00 100	4.00 300	10.0	20.0	50.0
4-Chlorotoluene	DCBd4	Ave	5636 703859	23578 2270601	62106	123892	373124	1.00 100	4.00 300	10.0	20.0	50.0
tert-Butylbenzene	DCBd4	Ave	+++++	12634	31701	68094	235139	+++++	4.00	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-234898-1 | Analy Batch No.: 647030

SDG No.:

Instrument ID: 26285 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2025 19:14 | Calibration End Date: 05/21/2025 21:16 | Calibration ID: 72935

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			462491	1480562				100	300			
1,2,4-Trimethylbenzene	DCBd4	Ave	20655 2821965	88145 8816494	230108	467722	1478410	1.00 100	4.00 300	10.0	20.0	50.0
sec-Butylbenzene	DCBd4	Ave	21791 3321066	94023 10197072	230108	489260	1711016	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichlorobenzene	DCBd4	Ave	10247 1317120	46435 4148480	115844	231829	700280	1.00 100	4.00 300	10.0	20.0	50.0
p-Isopropyltoluene	DCBd4	Ave	18410 2758311	82443 8649540	196517	414173	1424162	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dichlorobenzene	DCBd4	Ave	10845 1311147	44345 4169584	117551	233823	699501	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trimethylbenzene	DCBd4	Ave	20677 2923450	91932 9128622	239303	479457	1500373	1.00 100	4.00 300	10.0	20.0	50.0
Benzyl chloride	DCBd4	Ave	18409 2256120	77763 6798094	225271	422457	1194072	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Diethylbenzene	DCBd4	Ave	10519 1525322	46452 4718104	114163	239090	792203	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Diethylbenzene	DCBd4	Ave	11238 1595837	50585 4927984	120011	248527	830887	1.00 100	4.00 300	10.0	20.0	50.0
n-Butylbenzene	DCBd4	Ave	10041 1364147	44327 4238078	101569	208747	715762	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichlorobenzene	DCBd4	Ave	10912 1351178	45441 4216518	124948	239453	710157	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Diethylbenzene	DCBd4	Ave	8986 1297755	38293 4099090	96895	200744	661210	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	2316 344824	11382 977207	34987	61830	174331	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trichlorobenzene	DCBd4	Ave	7302 891038	28806 2695778	71436	145150	469207	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCBd4	Ave	6887 877350	28363 2571097	73490	144277	456459	1.00 100	4.00 300	10.0	20.0	50.0
2-Ethylhexyl acrylate	DCBd4	Ave	10895 1146538	39058 3371029	119180	245258	620395	0.999 99.9	4.00 300	9.99	20.0	50.0
Hexachlorobutadiene	DCBd4	Ave	2049 310177	9168 977441	21186	43426	159935	1.00 100	4.00 300	10.0	20.0	50.0
Naphthalene	DCBd4	Ave	31309 3829510	129024 10619444	356231	662642	1963654	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCBd4	Ave	6676 892676	29061 2559778	75815	145527	457022	1.00 100	4.00 300	10.0	20.0	50.0
2-Methylnaphthalene	DCBd4	Ave	13083	54702	155173	293173	924036	1.00	4.00	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 647030

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2025 19:14 Calibration End Date: 05/21/2025 21:16 Calibration ID: 72935

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			1866356	5006616				100	300			
Dibromofluoromethane (Surr)	FB	Ave	285583 302311	287573 311338	292958	298112	303975	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	62847 67312	63479 69663	65689	66215	68307	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZd5	Ave	1053408 1168550	1056241 1252635	1102730	1123641	1170558	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	419617 447798	417546 487225	433135	434782	448193	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 647030

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2025 19:14 Calibration End Date: 05/21/2025 21:16 Calibration ID: 72935

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-647030/12	5Y21X11.D
Level 2	IC 410-647030/13	5Y21X12.D
Level 3	IC 410-647030/14	5Y21X13.D
Level 4	IC 410-647030/15	5Y21X14.D
Level 5	ICIS 410-647030/16	5Y21X15.D
Level 6	IC 410-647030/17	5Y21X16.D
Level 7	IC 410-647030/18	5Y21X17.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	-16.7 -0.7	-6.8	14.8	-5.4	10.6	4.1	50 30	30	30	30	30	30
Chloromethane	3.6 -7.0	-3.9	8.1	-8.5	6.0	1.6	50 30	30	30	30	30	30
1,3-Butadiene	4.4 -8.8	-2.3	10.6	-6.5	3.8	-1.2	50 30	30	30	30	30	30
Vinyl chloride	-9.4 -5.2	0.2	9.6	-5.3	5.7	4.5	50 30	30	30	30	30	30
Bromomethane	-8.1 -5.9	3.7	7.8	-6.7	4.5	4.7	50 30	30	30	30	30	30
Chloroethane	-2.2 -9.0	2.3	8.0	-6.8	4.8	2.9	50 30	30	30	30	30	30
Dichlorofluoromethane	9.3 -8.8	-0.3	4.5	-8.4	2.2	1.5	50 30	30	30	30	30	30
n-Pentane	-11.8 12.3	-19.2	-12.5	-6.0	27.3	9.9	50 30	30	30	30	30	30
Trichlorofluoromethane	-19.0 -1.0	-3.1	12.2	-4.0	9.8	5.1	50 30	30	30	30	30	30
Ethyl ether	-1.0 -7.0	2.1	2.4	-0.4	4.9	-1.0	50 30	30	30	30	30	30
Freon 123a	-8.1 -5.9	1.4	9.7	-5.0	5.9	1.8	50 30	30	30	30	30	30
Acrolein	-1.5 8.0	0.3	0.3	-5.0	1.6	-3.7	50 30	30	30	30	30	30
1,1-Dichloroethene	-15.2 2.0	-4.7	0.5	2.4	12.3	2.7	50 30	30	30	30	30	30
Acetone	7.7 -0.2	4.8	0.4	-1.2	-8.4	-3.0	50 30	30	30	30	30	30
Freon 113	+++++ 7.0	-18.9	-11.1	-5.5	21.0	7.4	30	50	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 647030

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2025 19:14 Calibration End Date: 05/21/2025 21:16 Calibration ID: 72935

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methyl iodide	-14.0 2.2	-6.7	1.0	-0.1	12.3	5.3	50 30	30	30	30	30	30
2-Propanol	20.7 -9.0	-9.4	10.9	-8.9	1.5	-5.8	50 30	30	30	30	30	30
Carbon disulfide	-13.9 3.7	-7.7	-0.9	-0.6	14.1	5.3	50 30	30	30	30	30	30
Methyl acetate	-8.5 -1.7	-5.6	2.5	-1.9	12.7	2.5	50 30	30	30	30	30	30
Allyl chloride	0.9 -3.0	-7.0	0.0	-0.8	9.8	0.1	50 30	30	30	30	30	30
Methylene Chloride	2.0 -1.7	-2.7	-1.8	-3.9	7.8	0.4	50 30	30	30	30	30	30
t-Butyl alcohol	-3.7 -6.0	-2.5	13.2	-8.7	4.9	2.8	50 30	30	30	30	30	30
Acrylonitrile	-1.4 -6.4	-0.3	5.5	-3.0	7.0	-1.5	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	-8.8 -1.7	-4.3	-0.5	1.9	11.8	1.7	50 30	30	30	30	30	30
Methyl tertiary butyl ether	-3.7 -2.7	-2.0	1.6	-2.0	7.3	1.4	50 30	30	30	30	30	30
n-Hexane	-7.6 11.5	-13.6	-20.6	-13.3	29.4	14.1	50 30	30	30	30	30	30
1,1-Dichloroethane	-13.0 -2.3	-1.2	0.7	1.3	11.8	2.7	50 30	30	30	30	30	30
Isopropyl ether	-5.7 -0.7	-5.4	0.9	-0.2	9.2	1.9	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-9.3 -1.7	-6.3	-1.2	3.0	13.0	2.4	50 30	30	30	30	30	30
Ethyl t-butyl ether	-11.1 1.8	-4.3	0.1	-1.2	10.4	4.3	50 30	30	30	30	30	30
2-Butanone	-1.9 3.6	0.3	1.4	-6.5	2.0	1.0	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-8.6 -2.3	-2.3	0.3	-0.2	11.1	2.0	50 30	30	30	30	30	30
2,2-Dichloropropane	-14.5 0.6	-1.7	-2.2	1.8	11.9	4.1	50 30	30	30	30	30	30
Propionitrile	-2.6 3.5	-7.7	-0.3	-4.5	9.0	2.5	50 30	30	30	30	30	30
Methyl acrylate	17.3 -5.9	-3.8	4.0	-3.4	0.5	-8.6	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 647030

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2025 19:14 Calibration End Date: 05/21/2025 21:16 Calibration ID: 72935

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methacrylonitrile	0.2 -2.1	-3.0	2.0	-6.5	8.2	1.3	50 30	30	30	30	30	30
Bromochloromethane	-14.0 0.9	-2.1	2.1	-1.8	11.6	3.3	50 30	30	30	30	30	30
Tetrahydrofuran	-4.3 6.9	-6.4	-0.3	-5.1	6.9	2.3	50 30	30	30	30	30	30
Chloroform	-3.3 -2.7	-4.8	0.9	-0.5	9.1	1.3	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-11.2 3.0	-6.4	-5.9	2.6	13.2	4.8	50 30	30	30	30	30	30
Cyclohexane	-16.8 11.7	-12.3	-11.6	-5.8	23.6	11.2	50 30	30	30	30	30	30
Carbon tetrachloride	-20.8 7.6	-8.2	-5.5	1.8	16.9	8.2	50 30	30	30	30	30	30
1,1-Dichloropropene	-16.9 4.4	-6.2	-3.6	1.9	14.6	5.9	50 30	30	30	30	30	30
Isobutyl alcohol	3.9 -3.4	-13.4	14.7	-8.9	4.5	2.6	50 30	30	30	30	30	30
Benzene	-8.8 2.9	-7.0	-1.7	0.1	10.4	4.0	50 30	30	30	30	30	30
1,2-Dichloroethane	-2.6 -0.6	-4.9	-0.2	-3.4	9.2	2.6	50 30	30	30	30	30	30
t-Amyl methyl ether	-9.8 3.7	-6.3	1.4	-2.7	9.3	4.4	50 30	30	30	30	30	30
n-Heptane	+++++ -0.4	11.3	-23.4	-23.1	11.4	2.1	 30	50	30	30	30	30
n-Butanol	9.0 -4.4	-9.3	10.4	-11.3	3.0	2.6	50 30	30	30	30	30	30
Trichloroethene	-14.6 6.1	-9.3	-4.1	1.7	13.5	6.7	50 30	30	30	30	30	30
Ethyl acrylate	0.0 4.3	-10.0	3.5	-3.5	6.0	-0.3	50 30	30	30	30	30	30
Methylcyclohexane	45.0 0.8	-8.7	-24.3	-22.0	9.7	-0.6	50 30	30	30	30	30	30
1,2-Dichloropropane	-9.6 3.9	-5.2	-2.1	-1.6	10.5	4.1	50 30	30	30	30	30	30
t-Amyl ethyl ether	-13.8 6.5	-8.4	-0.2	-1.6	12.3	5.2	50 30	30	30	30	30	30
1,4-Dioxane	+++++ -2.5	-8.1	10.6	-6.3	2.1	4.2	 30	50	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 647030

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2025 19:14 Calibration End Date: 05/21/2025 21:16 Calibration ID: 72935

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Dibromomethane	-6.6 2.8	-5.7	-0.2	-2.8	9.4	3.1	50 30	30	30	30	30	30
Methyl methacrylate	-4.1 4.6	-4.3	-0.7	-8.5	8.8	4.2	50 30	30	30	30	30	30
Bromodichloromethane	-10.4 7.4	-8.2	-3.0	-4.2	11.9	6.5	50 30	30	30	30	30	30
2-Nitropropane	-1.0 10.7	-13.2	-2.5	-7.0	8.6	4.3	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-12.9 14.3	-9.7	-1.7	-3.8	6.7	7.0	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-16.0 12.4	-12.5	-3.4	-2.9	13.3	9.1	50 30	30	30	30	30	30
4-Methyl-2-pentanone	-4.0 3.4	-1.4	-0.1	-4.4	2.1	4.4	50 30	30	30	30	30	30
Toluene	-10.8 1.7	-6.7	-1.8	1.2	11.1	5.3	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-13.9 7.4	-8.7	0.5	-4.2	11.6	7.3	50 30	30	30	30	30	30
Ethyl methacrylate	0.1 -5.6	-5.1	8.6	-5.1	6.7	0.5	50 30	30	30	30	30	30
1,1,2-Trichloroethane	-7.2 0.0	-5.2	4.5	-5.1	8.5	4.5	50 30	30	30	30	30	30
Tetrachloroethene	-13.7 5.4	-5.8	-5.7	-2.6	14.0	8.5	50 30	30	30	30	30	30
1,3-Dichloropropane	-4.8 1.6	-5.9	2.3	-5.5	8.7	3.5	50 30	30	30	30	30	30
2-Hexanone	7.7 -4.6	0.8	2.9	-6.0	-1.9	1.0	50 30	30	30	30	30	30
Dibromochloromethane	-12.9 7.7	-9.2	-0.2	-4.6	11.3	7.9	50 30	30	30	30	30	30
1,2-Dibromoethane	-7.3 2.1	-5.6	1.7	-4.7	9.9	3.8	50 30	30	30	30	30	30
1-Chlorohexane	8.3 1.3	-1.0	-14.3	-10.0	11.5	4.4	50 30	30	30	30	30	30
Chlorobenzene	-13.4 5.6	-6.5	-0.3	-1.6	10.9	5.3	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-7.3 1.6	-7.6	0.2	-2.4	10.0	5.5	50 30	30	30	30	30	30
Ethylbenzene	-12.0 1.9	-3.6	-2.9	-2.5	12.6	6.4	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 647030

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2025 19:14 Calibration End Date: 05/21/2025 21:16 Calibration ID: 72935

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
m&p-Xylene	-14.0 3.5	-3.3	-4.0	-1.4	12.3	6.9	50 30	30	30	30	30	30
n-Butyl acrylate	-0.6 -10.2	-0.3	13.2	5.2	1.2	-8.5	50 30	30	30	30	30	30
o-Xylene	-10.4 1.1	-4.6	-1.4	-0.9	10.8	5.4	50 30	30	30	30	30	30
Styrene	-14.3 2.9	-2.5	1.1	-0.7	9.6	3.8	50 30	30	30	30	30	30
Bromoform	-13.0 6.1	-11.6	4.2	-3.8	10.2	7.9	50 30	30	30	30	30	30
Isopropylbenzene	-13.6 3.2	-3.3	-5.9	-5.3	15.7	9.3	50 30	30	30	30	30	30
Cyclohexanone	-40.6 17.1	-41.7 *	18.5	22.2	10.4	14.1	50 30	30	30	30	30	30
Bromobenzene	-22.4 9.5	-7.9	-1.3	-0.5	12.9	9.7	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-5.1 -2.7	-5.9	7.2	-4.5	7.0	4.1	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-5.2 -4.9	-3.9	8.7	-3.2	7.3	1.1	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-7.6 -3.8	-4.5	8.7	-2.8	7.0	2.9	50 30	30	30	30	30	30
N-Propylbenzene	-14.4 2.5	-3.8	-9.6	-6.4	18.2	13.5	50 30	30	30	30	30	30
2-Chlorotoluene	-15.7 6.3	-7.2	-4.4	-3.3	13.6	10.6	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-18.2 11.2	-9.6	-9.5	-6.9	17.7	15.3	50 30	30	30	30	30	30
4-Chlorotoluene	-10.7 6.7	-6.8	-4.0	-4.7	12.1	7.4	50 30	30	30	30	30	30
tert-Butylbenzene	+++++ 15.3	-17.2	-18.8	-13.2	17.1	16.9	 30	50	30	30	30	30
1,2,4-Trimethylbenzene	-14.5 8.3	-9.0	-7.1	-6.1	16.0	12.4	50 30	30	30	30	30	30
sec-Butylbenzene	-18.0 13.8	-11.8	-15.6	-10.7	22.0	20.3	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-13.2 4.2	-1.9	-4.3	-4.7	12.5	7.4	50 30	30	30	30	30	30
p-Isopropyltoluene	-18.2 14.1	-8.6	-14.8	-10.7	20.0	18.0	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 647030

SDG No.:

Instrument ID: 26285 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2025 19:14 Calibration End Date: 05/21/2025 21:16 Calibration ID: 72935

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	-8.5 4.4	-6.7	-3.3	-4.3	11.9	6.5	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-16.8 9.0	-7.7	-6.0	-6.4	14.5	13.3	50 30	30	30	30	30	30
Benzyl chloride	-11.0 -2.5	-6.2	6.2	-0.9	9.4	5.0	50 30	30	30	30	30	30
1,3-Diethylbenzene	-16.8 10.7	-8.4	-12.0	-8.3	18.7	16.1	50 30	30	30	30	30	30
1,4-Diethylbenzene	-15.7 9.6	-5.4	-12.2	-9.6	18.1	15.2	50 30	30	30	30	30	30
n-Butylbenzene	-12.6 9.5	-3.7	-13.7	-11.8	18.1	14.3	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-10.2 3.0	-6.7	0.3	-4.4	10.8	7.1	50 30	30	30	30	30	30
1,2-Diethylbenzene	-16.0 13.6	-10.8	-11.7	-9.0	17.1	16.7	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-23.1 -3.8	-5.8	13.3	-0.4	9.7	10.2	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-5.3 3.7	-6.8	-9.6	-8.7	15.4	11.2	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-8.8 1.0	-6.3	-5.1	-7.3	14.6	11.8	50 30	30	30	30	30	30
2-Ethylhexyl acrylate	-0.9 -9.0	-11.4	5.7	8.2	7.0	0.4	50 30	30	30	30	30	30
Hexachlorobutadiene	-17.7 16.5	-8.1	-17.0	-15.4	21.8	19.9	50 30	30	30	30	30	30
Naphthalene	-7.1 -6.5	-4.5	3.1	-4.6	10.4	9.3	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-12.2 -0.1	-4.7	-2.7	-7.2	13.9	13.0	50 30	30	30	30	30	30
2-Methylnaphthalene	-13.9 -2.3	-10.3	-0.4	-6.4	15.2	18.2	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	1.5 -2.2	2.0	-0.7	0.3	-0.1	-0.8	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	0.3 -1.7	1.2	0.1	0.0	0.8	-0.8	50 30	30	30	30	30	30
Toluene-d8 (Surr)	2.3 -3.5	2.2	1.6	0.1	-1.0	-1.5	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	4.5 -3.7	3.6	2.3	-0.7	-2.8	-3.2	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X11.D
Lims ID: IC v1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 21-May-2025 19:14:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0147895-012
Misc. Info.: IC V1
Operator ID: knk41612 Instrument ID: 26285
Sublist: chrom-MSVoa_26285a*sub89

Method: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 22-May-2025 08:40:09 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1676

First Level Reviewer: JS6E Date: 22-May-2025 01:38:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.592	1.598	-0.006	31	8490	1.00	0.8330	
4 Chloromethane	50	1.762	1.768	-0.006	97	13993	1.00	1.04	
5 Butadiene	39	1.836	1.842	-0.006	96	14619	1.00	1.04	M
6 Vinyl chloride	62	1.860	1.866	-0.006	96	10073	1.00	0.9061	
9 Bromomethane	94	2.140	2.146	-0.006	90	6651	1.00	0.9190	
10 Chloroethane	64	2.171	2.177	-0.006	70	6000	1.00	0.9781	
11 Dichlorofluoromethane	67	2.372	2.384	-0.012	95	20764	1.00	1.09	M
12 Pentane	43	2.439	2.451	-0.012	96	10168	1.00	0.8816	Ma
13 Trichlorofluoromethane	101	2.457	2.463	-0.006	87	9176	1.00	0.8105	
15 Ethyl ether	59	2.628	2.622	0.006	92	5623	1.00	0.99	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.720	2.713	0.007	89	8524	1.00	0.9194	
17 Acrolein	56	2.774	2.768	0.006	98	25729	9.76	9.62	
18 1,1-Dichloroethene	96	2.878	2.884	-0.006	92	4512	1.00	0.8483	
19 Acetone	58	2.921	2.921	0.000	79	2820	2.00	2.15	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.921	2.927	-0.006	62	3633	1.00	0.5944	
21 Iodomethane	142	3.049	3.061	-0.012	99	8970	1.00	0.8602	
22 Isopropyl alcohol	45	3.079	3.073	0.006	31	9350	5.00	6.04	M
23 Carbon disulfide	76	3.128	3.128	0.000	72	19059	1.00	0.8606	
25 Methyl acetate	43	3.250	3.256	-0.006	85	8391	1.00	0.9151	
26 3-Chloro-1-propene	41	3.268	3.274	-0.006	88	12904	1.00	1.01	
28 Methylene Chloride	84	3.433	3.439	-0.006	30	6929	1.00	1.02	
* 29 t-Butyl alcohol-d10 (IS)	65	3.488	3.500	-0.012	39	558049	250.0	250.0	
30 2-Methyl-2-propanol	59	3.640	3.591	0.049	41	12478	5.00	4.81	M
31 Acrylonitrile	53	3.719	3.713	0.006	97	11675	2.50	2.47	
32 trans-1,2-Dichloroethene	96	3.762	3.768	-0.006	93	5279	1.00	0.9122	
33 Methyl tert-butyl ether	73	3.786	3.780	0.006	94	19908	1.00	0.9631	
34 Hexane	57	4.146	4.152	-0.006	86	7185	1.00	0.9245	
36 1,1-Dichloroethane	63	4.396	4.390	0.006	1	10686	1.00	0.8697	
38 Isopropyl ether	45	4.457	4.457	0.000	89	23422	1.00	0.9434	
39 2-Chloro-1,3-butadiene	53	4.506	4.506	0.000	91	9898	1.00	0.9070	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.018	5.030	-0.012	98	19413	1.00	0.8885	
42 2-Butanone (MEK)	43	5.262	5.268	-0.006	66	13085	2.00	1.96	
43 cis-1,2-Dichloroethene	96	5.268	5.274	-0.006	83	6239	1.00	0.9143	a
44 2,2-Dichloropropane	77	5.292	5.292	0.000	51	8533	1.00	0.8550	
45 Propionitrile	54	5.371	5.371	0.000	86	10839	5.00	4.87	M
46 Methyl acrylate	55	5.390	5.402	-0.012	68	13685	1.00	1.17	
47 Methacrylonitrile	67	5.585	5.585	0.000	90	10251	2.50	2.51	
48 Chlorobromomethane	128	5.615	5.621	-0.006	63	2597	1.00	0.8603	
49 Tetrahydrofuran	71	5.640	5.634	0.006	89	8416	5.00	4.79	a
50 Chloroform	83	5.780	5.792	-0.012	93	10946	1.00	0.9666	
52 1,1,1-Trichloroethane	97	6.012	6.011	0.001	40	8509	1.00	0.8878	
$ 51 Dibromofluoromethane (Surr)	113	6.018	6.018	0.000	92	285583	50.0	50.7	
53 Cyclohexane	56	6.109	6.103	0.006	93	10007	1.00	0.8318	
S 54 1,2-Dichloroethene, Total	100				0			1.83	
55 Carbon tetrachloride	117	6.237	6.231	0.006	82	6200	1.00	0.7916	
56 1,1-Dichloropropene	75	6.237	6.237	0.000	88	7524	1.00	0.8306	
57 Isobutyl alcohol	41	6.475	6.475	0.000	65	10864	12.5	13.0	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.493	6.493	0.000	83	62847	50.0	50.2	
59 Benzene	78	6.511	6.517	-0.006	97	24240	1.00	0.9118	
60 1,2-Dichloroethane	62	6.591	6.597	-0.006	95	8725	1.00	0.9743	
62 Tert-amyl methyl ether	73	6.725	6.725	0.000	95	17624	1.00	0.9022	
* 63 Fluorobenzene (IS)	96	6.944	6.944	0.000	98	1142404	50.0	50.0	
64 n-Heptane	43	6.969	6.969	0.000	46	5961	1.00	2.24	
65 n-Butanol	56	7.402	7.389	0.013	49	8396	12.5	13.6	
66 Trichloroethene	95	7.444	7.444	0.000	93	5443	1.00	0.8539	
67 Ethyl acrylate	55	7.597	7.597	0.000	97	11714	1.00	1.00	
68 Methylcyclohexane	83	7.743	7.749	-0.006	84	6764	1.00	1.45	
69 1,2-Dichloropropane	63	7.792	7.798	-0.006	91	6563	1.00	0.9040	
70 2-ethoxy-2-methyl butane	87	7.816	7.816	0.000	86	7538	1.00	0.8621	
72 1,4-Dioxane	88		7.901				ND	ND	
73 Dibromomethane	93	7.901	7.907	-0.006	64	3827	1.00	0.9344	a
74 Methyl methacrylate	69	7.901	7.907	-0.006	92	5509	1.00	0.9586	M
76 Dichlorobromomethane	83	8.164	8.164	0.000	95	7233	1.00	0.8961	
77 2-Nitropropane	41	8.456	8.462	-0.006	95	16336	5.00	4.95	
78 2-Chloroethyl vinyl ether	63	8.560	8.560	0.000	88	4062	1.00	0.8709	
79 cis-1,3-Dichloropropene	75	8.749	8.749	0.000	92	8602	1.00	0.8399	
83 4-Methyl-2-pentanone (MIBK)	43	8.956	8.956	0.000	98	25866	2.00	1.92	
$ 84 Toluene-d8 (Surr)	98	9.090	9.090	0.000	95	1053408	50.0	51.1	
85 Toluene	92	9.176	9.176	0.000	97	12789	1.00	0.8915	
86 trans-1,3-Dichloropropene	75	9.486	9.493	-0.006	96	7350	1.00	0.8612	
87 Ethyl methacrylate	69	9.572	9.572	0.000	92	9956	1.00	1.00	
88 1,1,2-Trichloroethane	97	9.712	9.712	0.000	89	4662	1.00	0.9281	
89 Tetrachloroethene	166	9.785	9.791	-0.006	89	4624	1.00	0.8627	
91 1,3-Dichloropropane	76	9.889	9.889	0.000	95	8291	1.00	0.9524	
92 2-Hexanone	43	9.968	9.968	0.000	99	19414	2.00	2.15	
S 98 1,3-Dichloropropene, Total	100				0			1.70	
100 Chlorodibromomethane	129	10.127	10.120	0.007	88	4636	1.00	0.8710	
101 Ethylene Dibromide	107	10.230	10.230	0.000	95	4777	1.00	0.9267	
* 128 Chlorobenzene-d5 (IS)	117	10.706	10.706	0.000	89	750397	50.0	50.0	
130 Chlorobenzene	112	10.730	10.730	0.000	95	12834	1.00	0.8660	
129 1-Chlorohexane	91	10.730	10.730	0.000	53	7813	1.00	1.08	
131 1,1,1,2-Tetrachloroethane	131	10.828	10.828	0.000	87	5251	1.00	0.9269	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
132 Ethylbenzene	91	10.834	10.834	0.000	99	25609	1.00	0.8802	
133 m-Xylene & p-Xylene	106	10.956	10.962	-0.006	99	18134	2.00	1.72	
S 135 Xylenes, Total	106				0			2.62	
134 n-Butyl acrylate	55	11.279	11.279	0.000	96	16672	1.00	0.99	
136 o-Xylene	106	11.303	11.309	-0.006	97	9800	1.00	0.8961	
137 Styrene	104	11.328	11.328	0.000	92	14684	1.00	0.8574	
138 Bromoform	173	11.486	11.486	0.000	93	3457	1.00	0.8698	
139 Isopropylbenzene	105	11.626	11.632	-0.006	96	21350	1.00	0.8638	
141 Cyclohexanone	55	11.706	11.705	0.001	95	15328	50.0	29.7	
$ 143 4-Bromofluorobenzene (Surr)	95	11.779	11.779	0.000	87	419617	50.0	52.3	
144 Bromobenzene	156	11.895	11.894	0.001	95	4902	1.00	0.7759	
145 1,1,2,2-Tetrachloroethane	83	11.895	11.894	0.001	94	10411	1.00	0.9486	
146 trans-1,4-Dichloro-2-butene	53	11.925	11.925	0.000	92	7865	2.50	2.37	
147 1,2,3-Trichloropropane	110	11.943	11.937	0.006	84	2575	1.00	0.9238	
148 N-Propylbenzene	91	11.980	11.974	0.006	99	29529	1.00	0.8558	
150 2-Chlorotoluene	126	12.053	12.047	0.006	95	5478	1.00	0.8431	a
152 1,3,5-Trimethylbenzene	105	12.126	12.126	0.000	94	19098	1.00	0.8178	
153 4-Chlorotoluene	126	12.145	12.151	-0.007	99	5636	1.00	0.8931	
154 tert-Butylbenzene	134	12.370	12.370	0.000	94	2700	1.00	0.7090	
156 1,2,4-Trimethylbenzene	105	12.419	12.419	0.000	98	20655	1.00	0.8549	
158 sec-Butylbenzene	105	12.547	12.541	0.006	95	21791	1.00	0.8197	
159 1,3-Dichlorobenzene	146	12.638	12.638	0.000	96	10247	1.00	0.8680	
160 4-Isopropyltoluene	119	12.657	12.657	0.000	96	18410	1.00	0.8185	
* 163 1,4-Dichlorobenzene-d4	152	12.699	12.699	0.000	97	420313	50.0	50.0	
164 1,4-Dichlorobenzene	146	12.718	12.717	0.001	93	10845	1.00	0.9150	
165 1,2,3-Trimethylbenzene	105	12.730	12.730	0.000	97	20677	1.00	0.8324	
166 Benzyl chloride	91	12.803	12.797	0.006	99	18409	1.00	0.8899	
167 1,3-Diethylbenzene	119	12.870	12.870	0.000	95	10519	1.00	0.8316	
168 p-Diethylbenzene	119	12.943	12.943	0.000	92	11238	1.00	0.8426	
169 n-Butylbenzene	92	12.961	12.961	0.000	98	10041	1.00	0.8741	
171 1,2-Dichlorobenzene	146	12.986	12.986	0.000	95	10912	1.00	0.8983	
172 o-diethylbenzene	119	13.016	13.016	0.000	95	8986	1.00	0.8396	
173 1,2-Dibromo-3-Chloropropane	75	13.547	13.547	0.000	74	2316	1.00	0.7686	
175 1,3,5-Trichlorobenzene	180	13.675	13.675	0.000	93	7302	1.00	0.9471	
176 1,2,4-Trichlorobenzene	180	14.114	14.114	0.000	93	6887	1.00	0.9120	
177 2-Ethylhexyl acrylate	55	14.193	14.187	0.006	81	10895	1.00	0.99	
178 Hexachlorobutadiene	225	14.205	14.199	0.006	54	2049	1.00	0.8230	
179 Naphthalene	128	14.297	14.296	0.001	97	31309	1.00	0.9287	
180 1,2,3-Trichlorobenzene	180	14.443	14.443	0.000	95	6676	1.00	0.8779	
181 2-Methylnaphthalene	142	15.052	15.052	0.000	88	13083	1.00	0.8605	a
S 213 Total Diethylbenzene	1				0			2.51	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_4ppbEE_00632	Amount Added:	12.50	Units: mL	
MSV_Cent_ISSS_00041	Amount Added:	5.00	Units: uL	Run Reagent

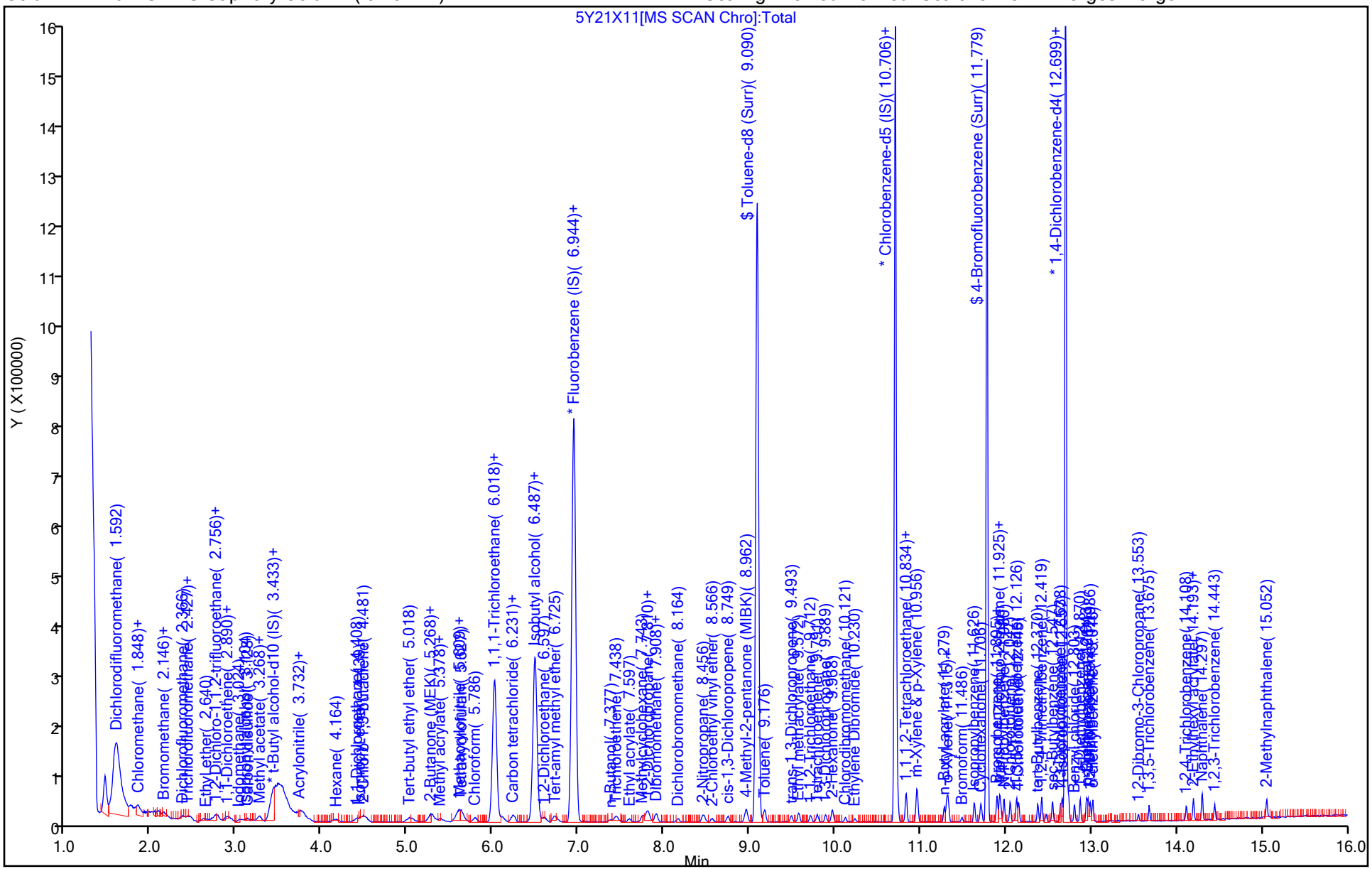
Report Date: 22-May-2025 08:40:10 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X11.D

Injection Date:	21-May-2025 19:14:30	Instrument ID:	26285	Operator ID:	knk41612
Lims ID:	IC v1			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

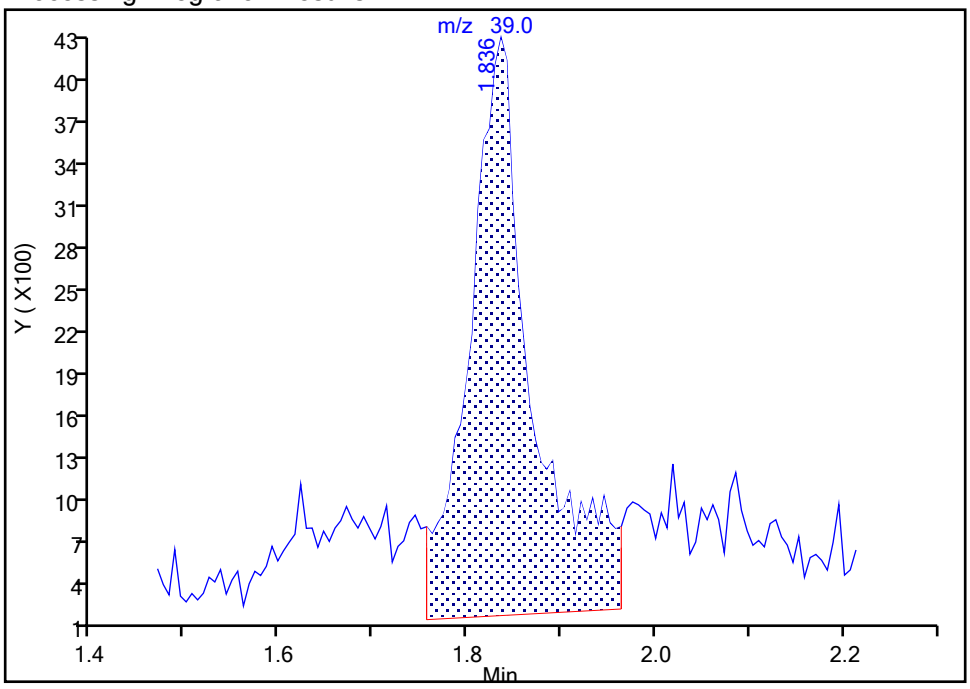
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X11.D
Injection Date: 21-May-2025 19:14:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

5 Butadiene, CAS: 106-99-0

Signal: 1

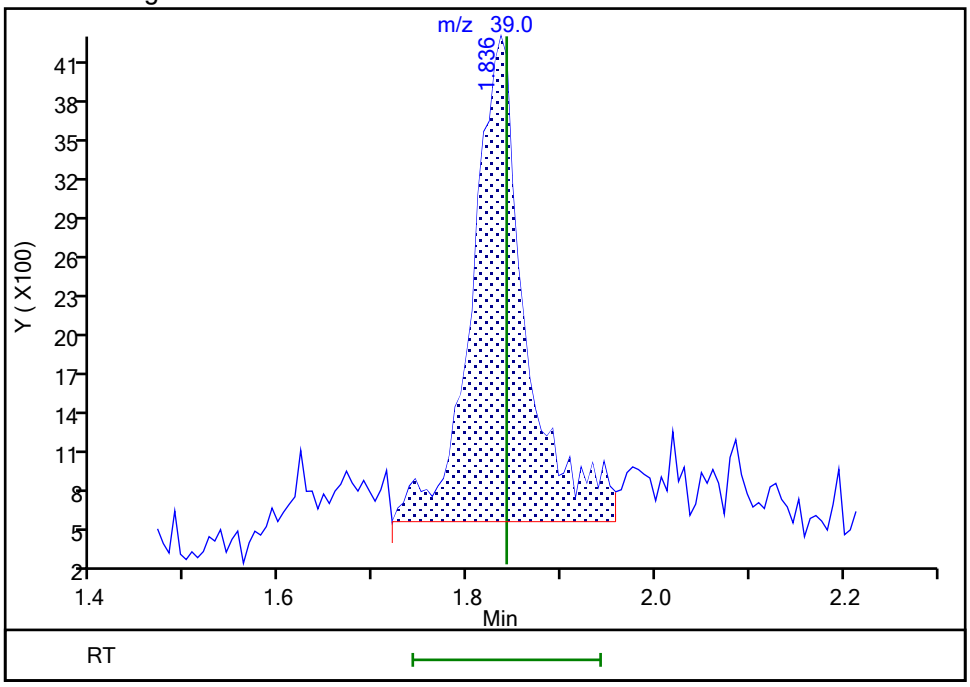
Processing Integration Results

RT: 1.84
Area: 19079
Amount: 1.303320
Amount Units: ug/l



Manual Integration Results

RT: 1.84
Area: 14619
Amount: 1.044093
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:36:37 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

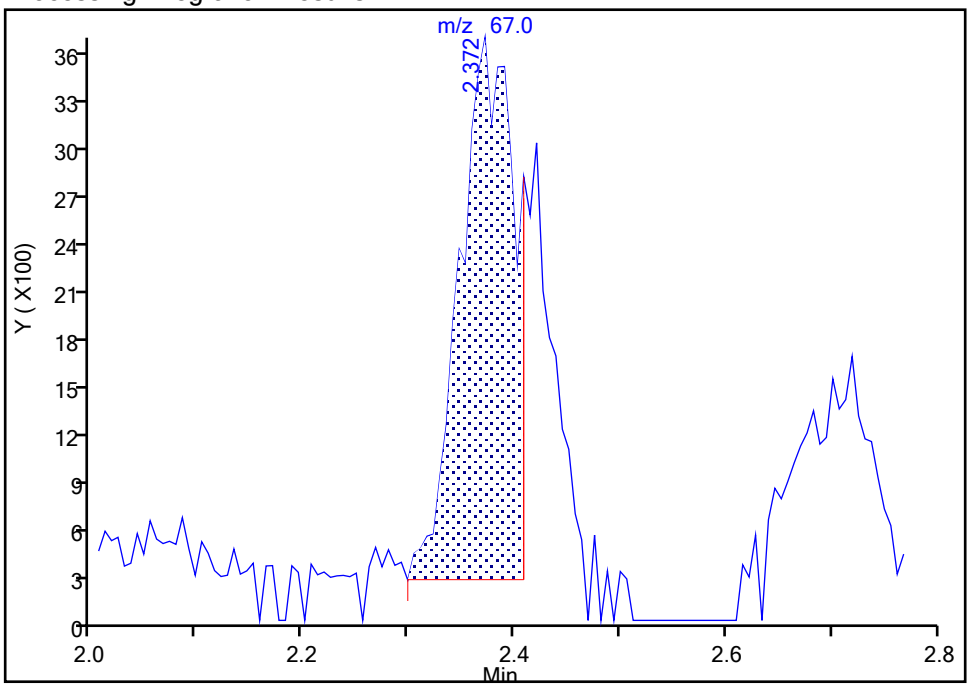
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X11.D
Injection Date: 21-May-2025 19:14:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

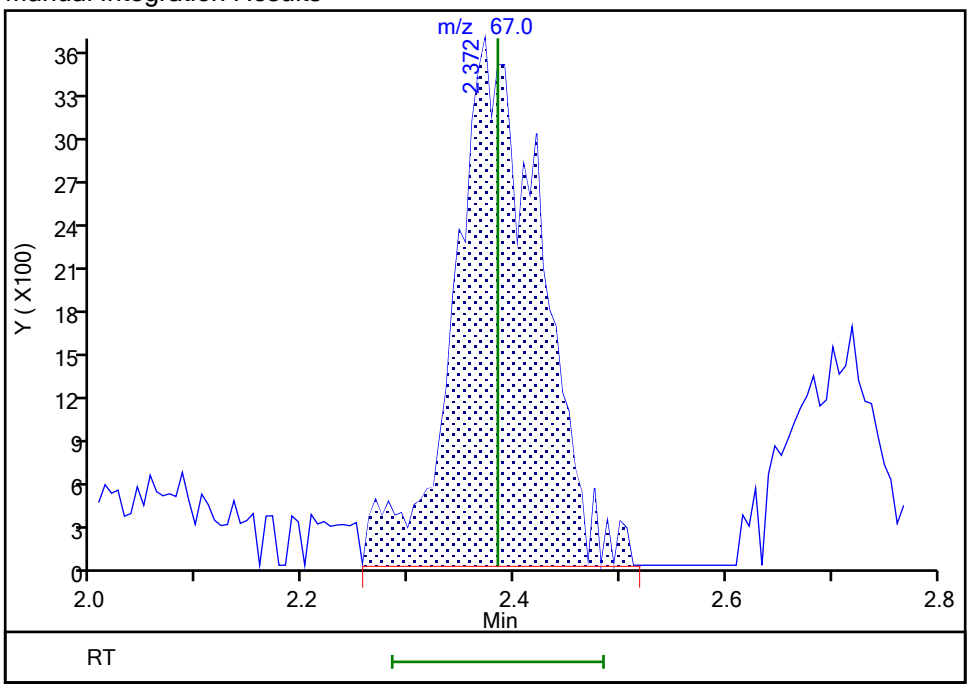
Processing Integration Results

RT: 2.37
Area: 12397
Amount: 0.696665
Amount Units: ug/l



Manual Integration Results

RT: 2.37
Area: 20764
Amount: 1.093413
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:36:08 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

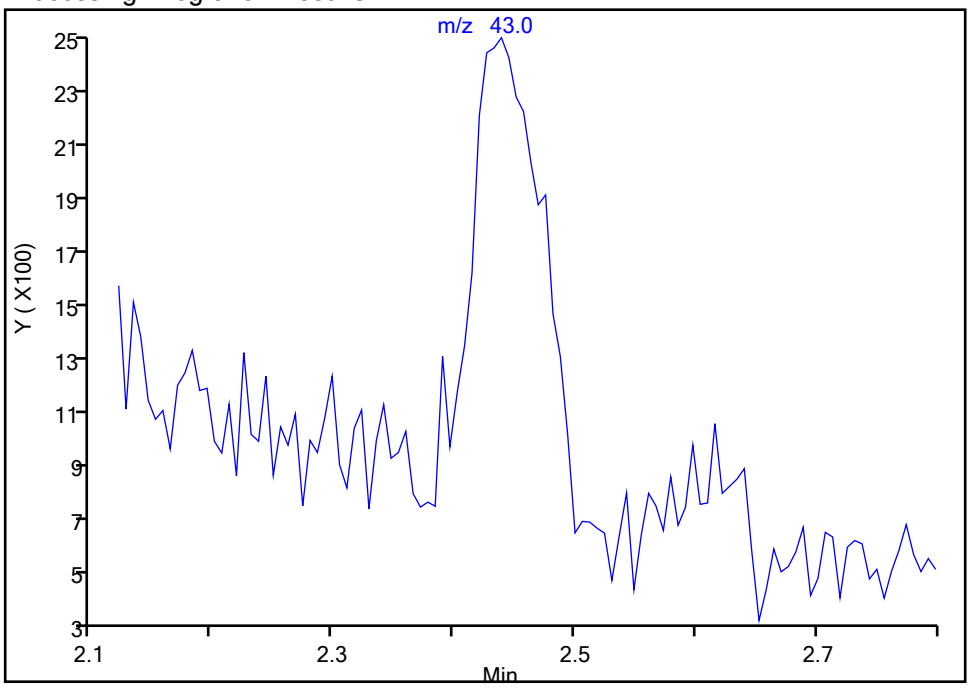
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X11.D
Injection Date: 21-May-2025 19:14:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

12 Pentane, CAS: 109-66-0

Signal: 1

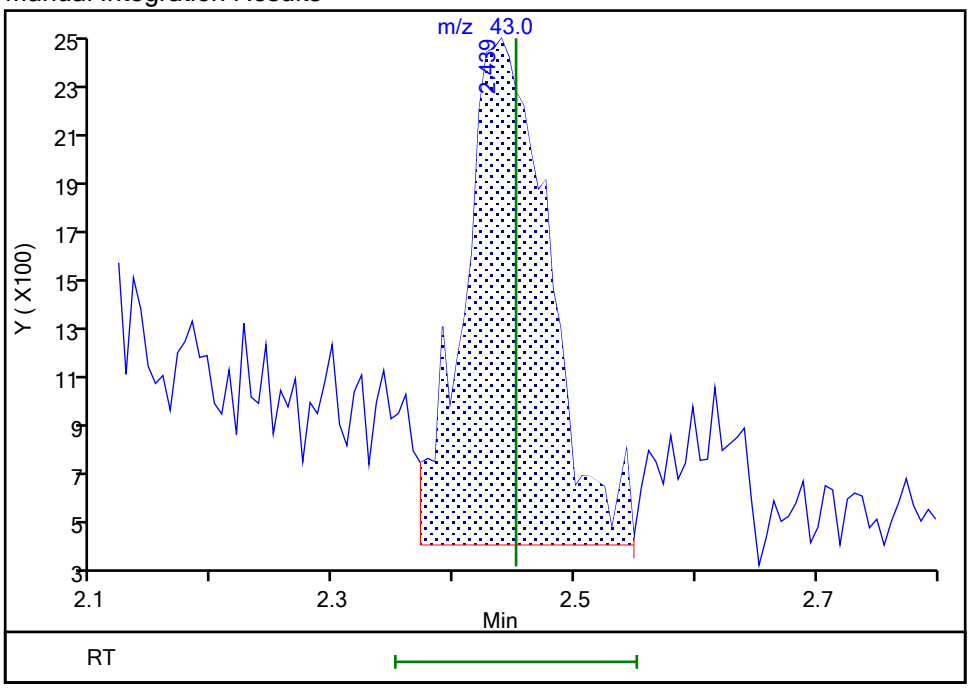
Not Detected
Expected RT: 2.45

Processing Integration Results



Manual Integration Results

RT: 2.44
Area: 10168
Amount: 0.881606
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:37:18 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

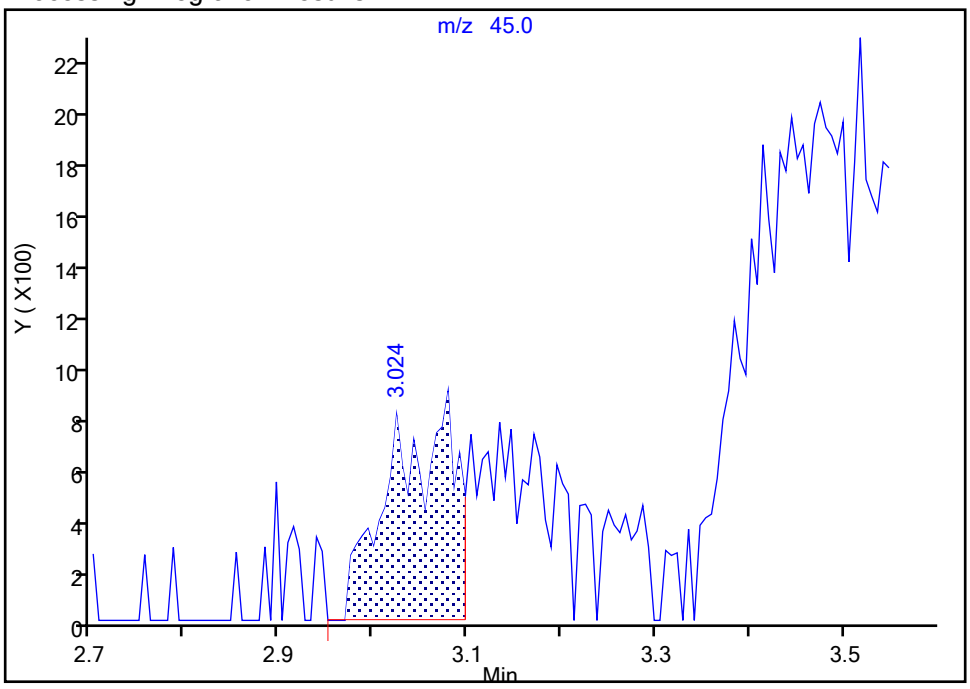
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X11.D
Injection Date: 21-May-2025 19:14:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

22 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

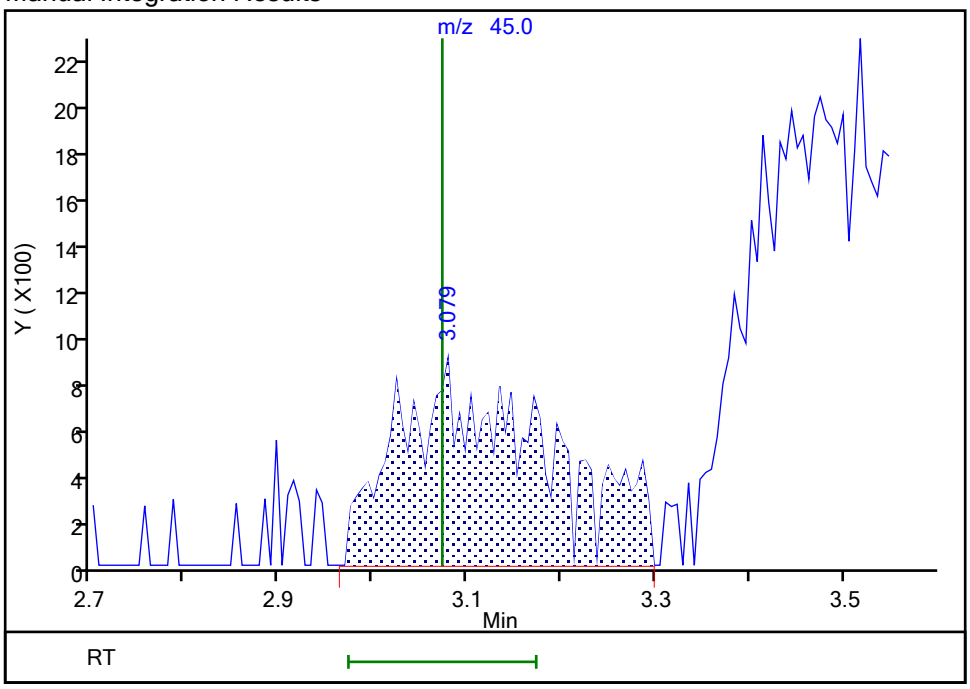
Processing Integration Results

RT: 3.02
Area: 4014
Amount: 4.905014
Amount Units: ug/l



Manual Integration Results

RT: 3.08
Area: 9350
Amount: 6.037432
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:37:29 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

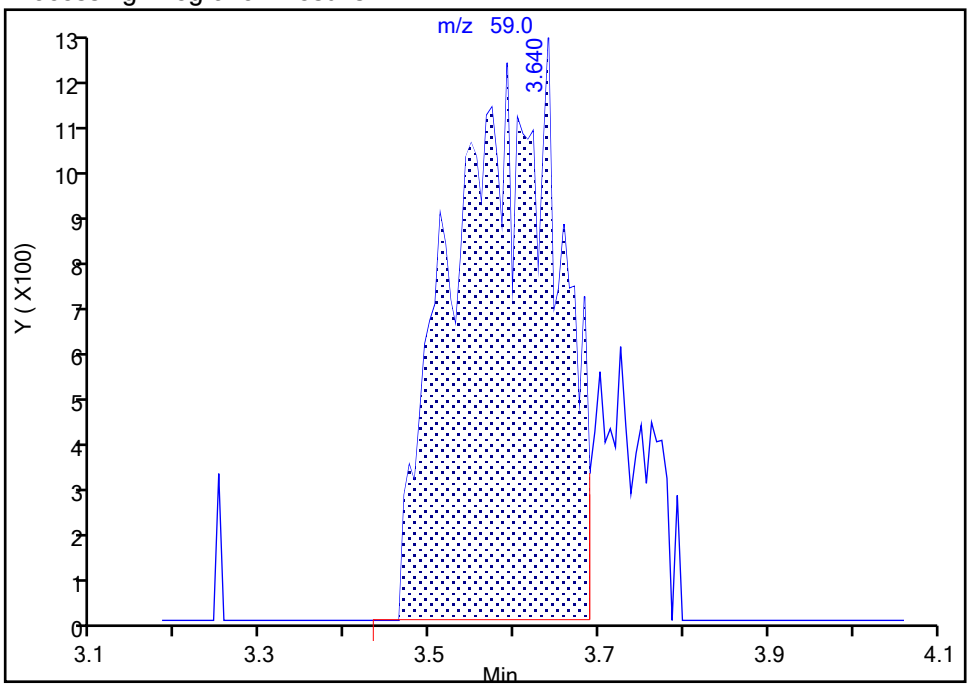
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X11.D
Injection Date: 21-May-2025 19:14:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

30 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

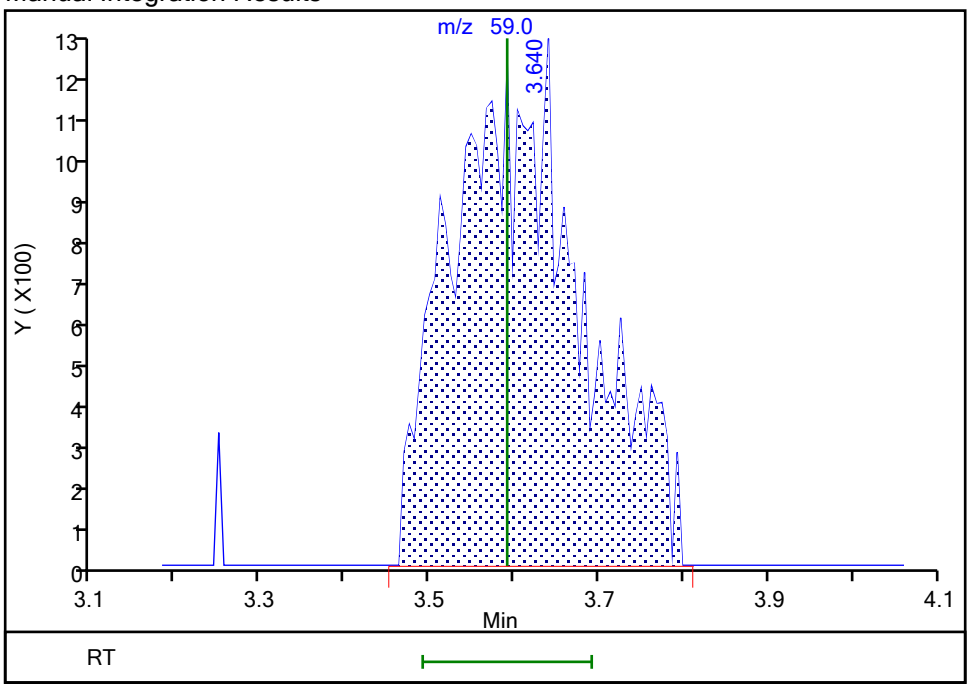
Processing Integration Results

RT: 3.64
Area: 10282
Amount: 4.065457
Amount Units: ug/l



Manual Integration Results

RT: 3.64
Area: 12478
Amount: 4.814311
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:37:44 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

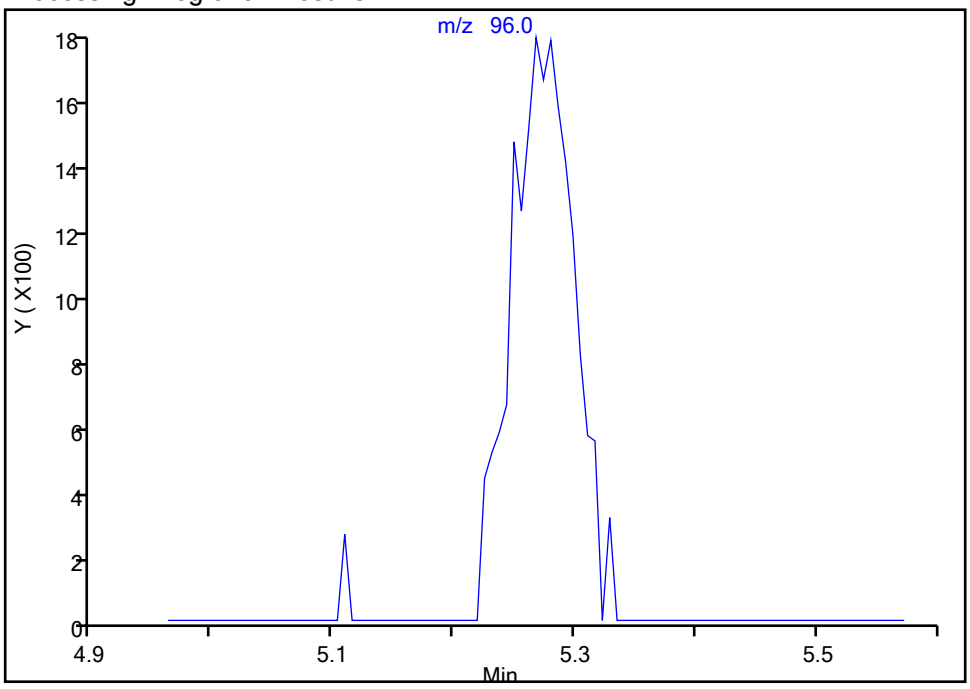
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X11.D
Injection Date: 21-May-2025 19:14:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

43 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

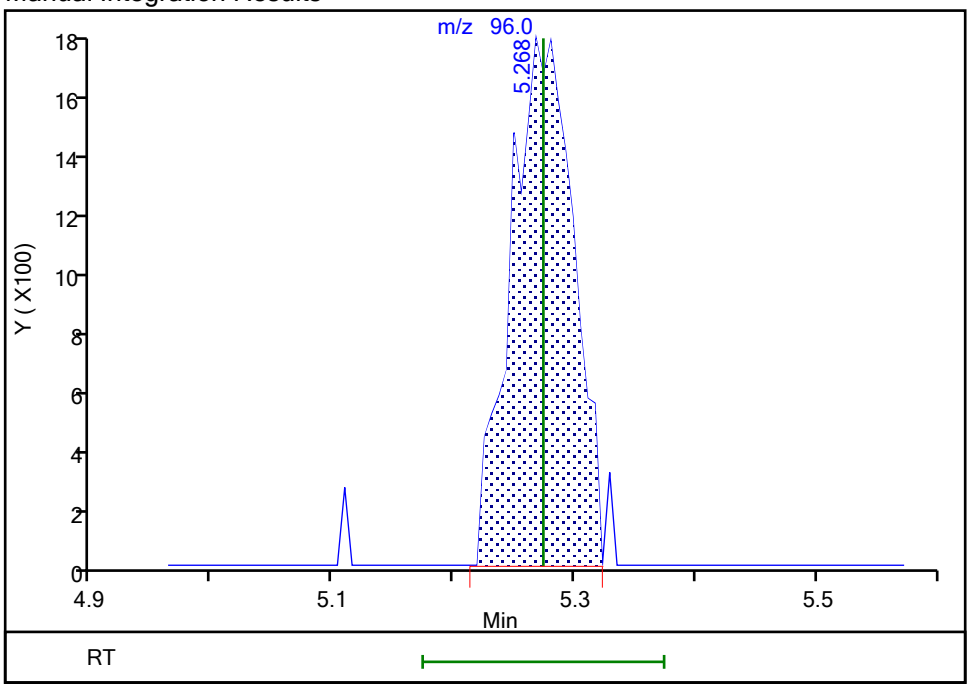
Not Detected
Expected RT: 5.27

Processing Integration Results



Manual Integration Results

RT: 5.27
Area: 6239
Amount: 0.914261
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:37:51 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

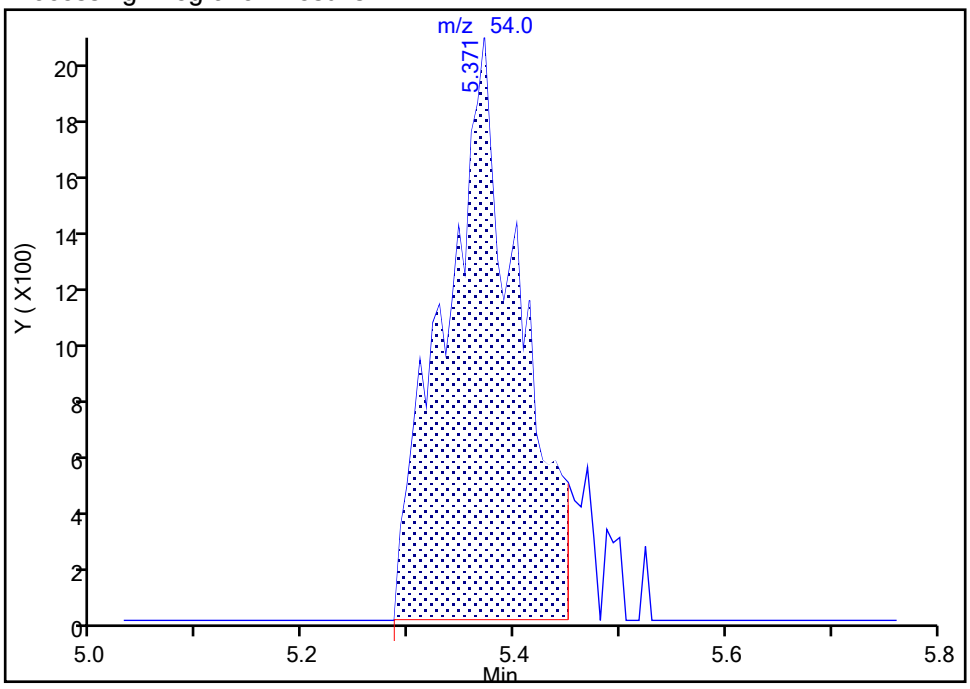
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X11.D
Injection Date: 21-May-2025 19:14:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

45 Propionitrile, CAS: 107-12-0

Signal: 1

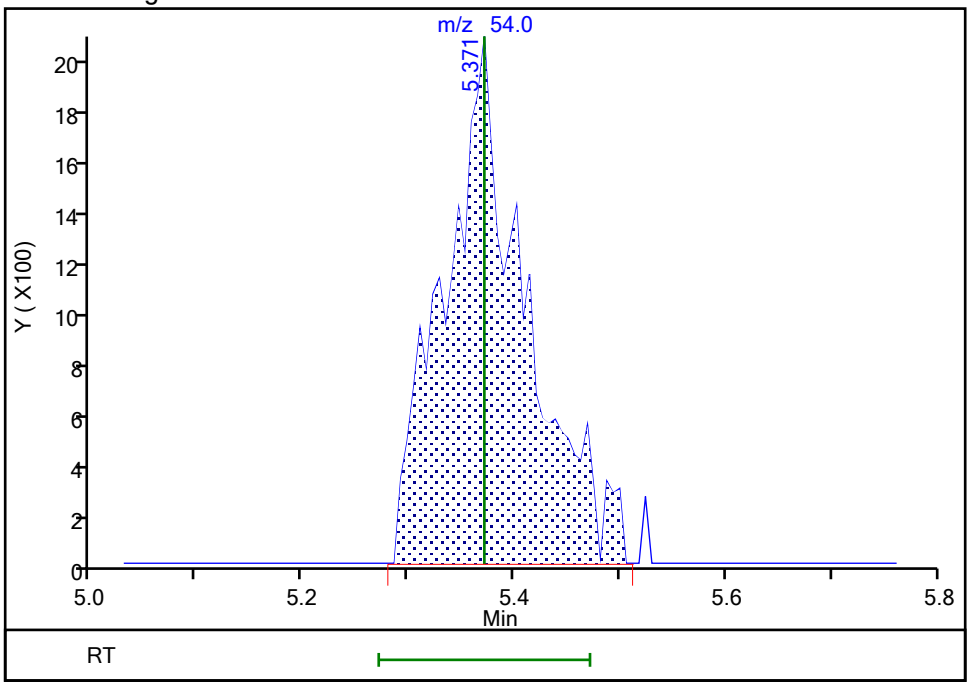
Processing Integration Results

RT: 5.37
Area: 9927
Amount: 4.514929
Amount Units: ug/l



Manual Integration Results

RT: 5.37
Area: 10839
Amount: 4.871980
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:37:58 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

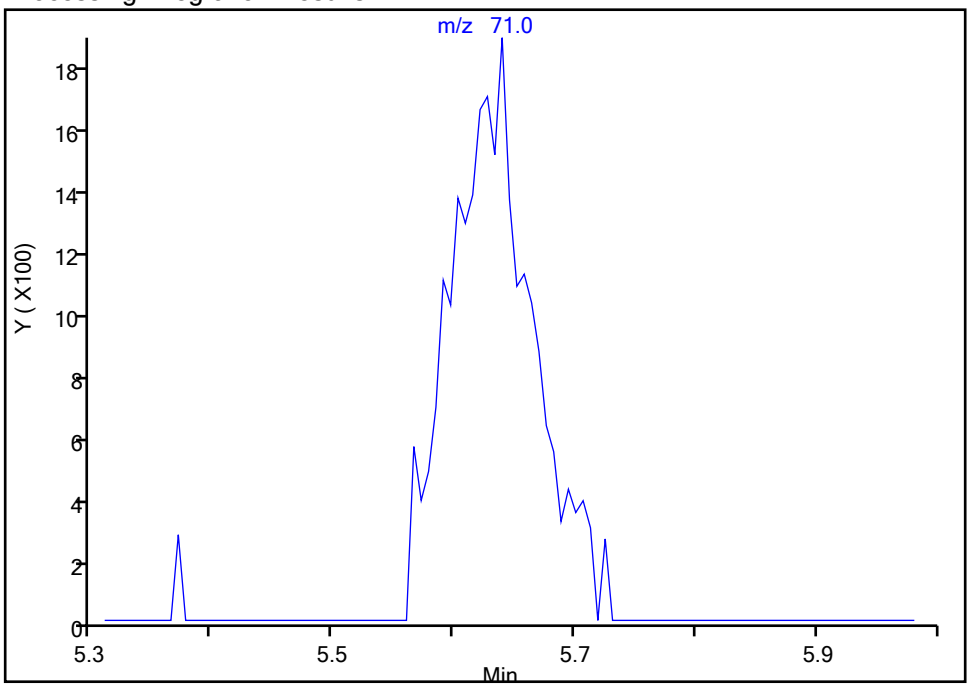
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X11.D
Injection Date: 21-May-2025 19:14:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

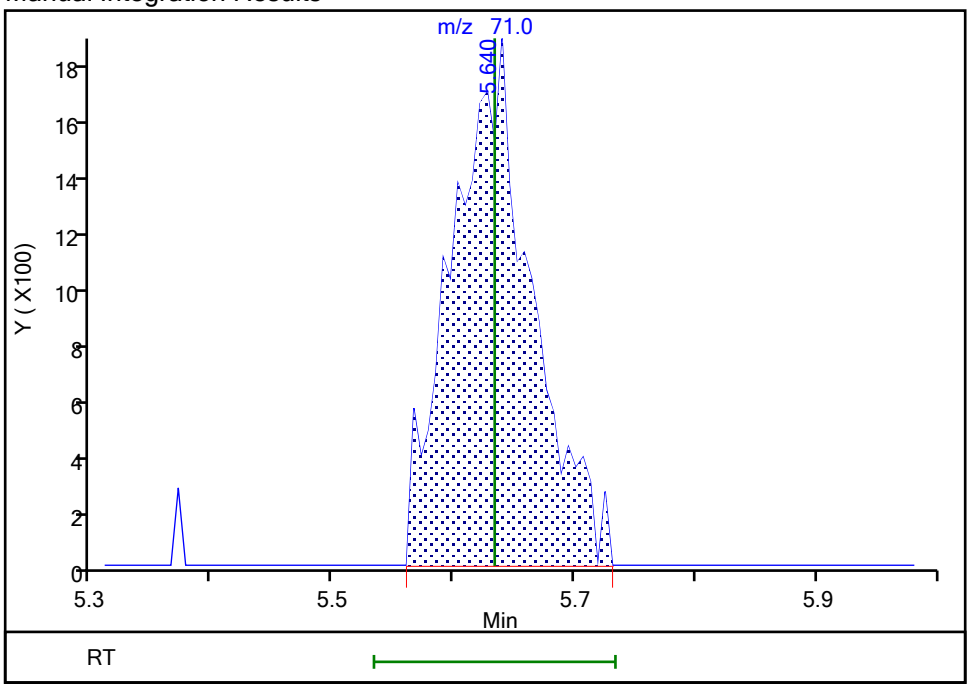
Not Detected
Expected RT: 5.63

Processing Integration Results



Manual Integration Results

RT: 5.64
Area: 8416
Amount: 4.787158
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:38:03 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

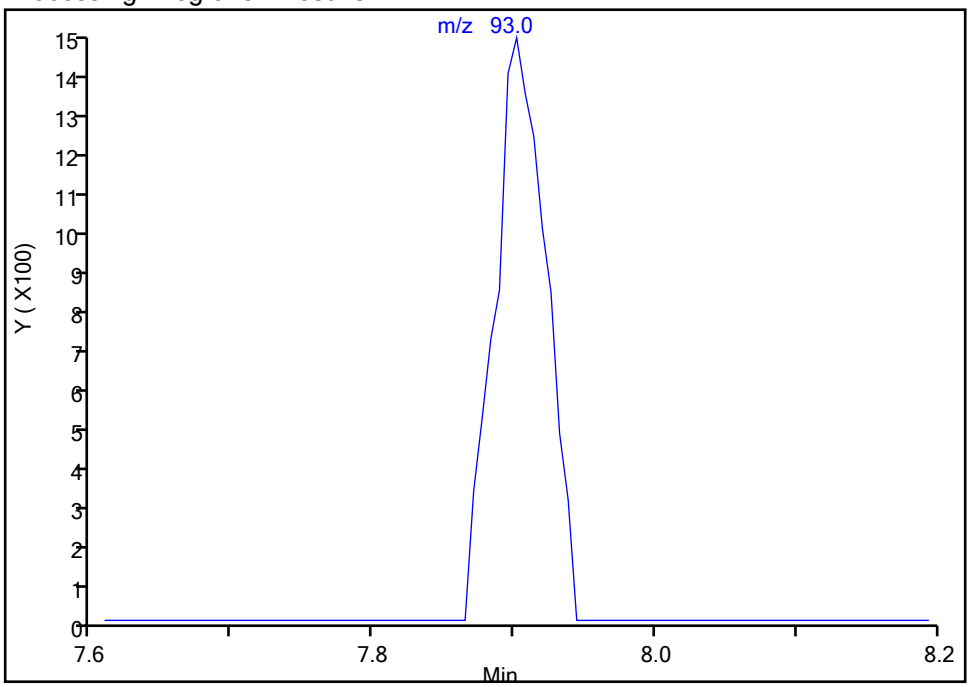
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X11.D
Injection Date: 21-May-2025 19:14:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

73 Dibromomethane, CAS: 74-95-3

Signal: 1

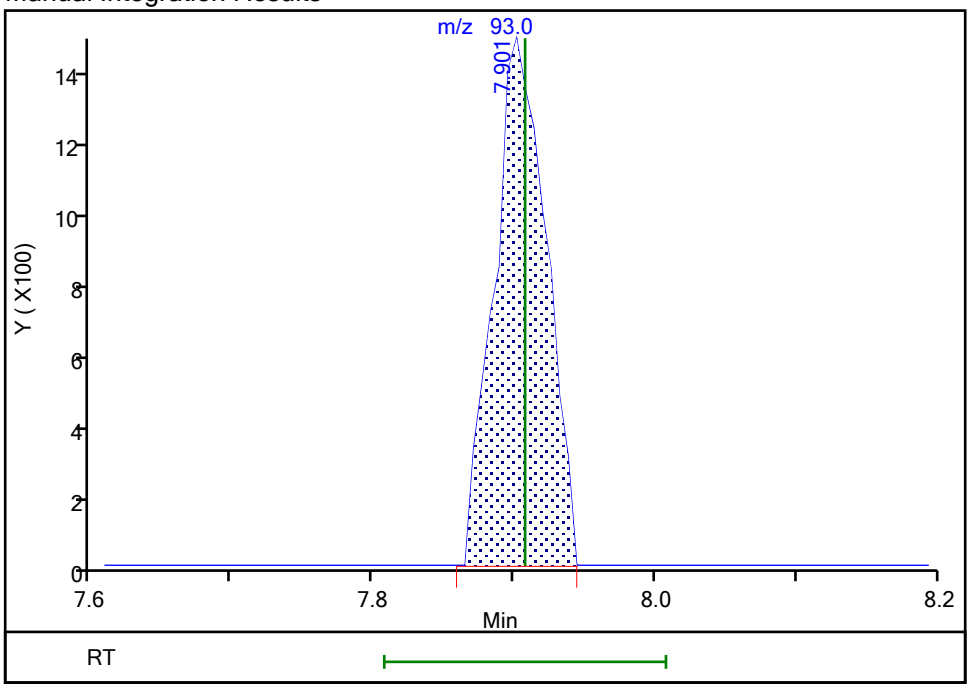
Not Detected
Expected RT: 7.91

Processing Integration Results



Manual Integration Results

RT: 7.90
Area: 3827
Amount: 0.934370
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:38:18 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

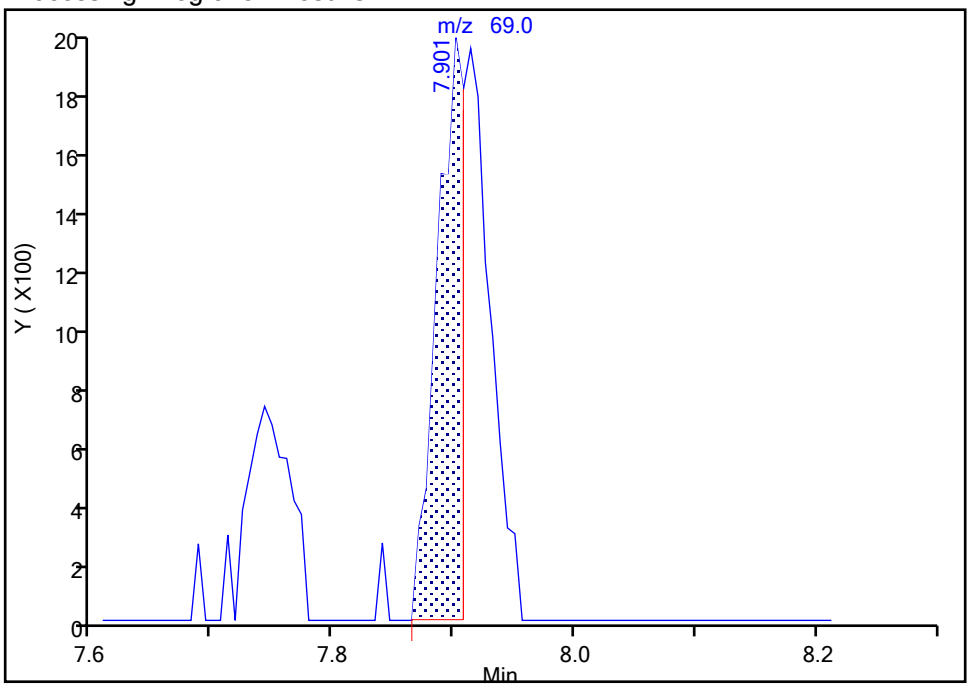
Data File:	\\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X11.D				
Injection Date:	21-May-2025 19:14:30	Instrument ID:	26285		
Lims ID:	IC v1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

74 Methyl methacrylate, CAS: 80-62-6

Signal: 1

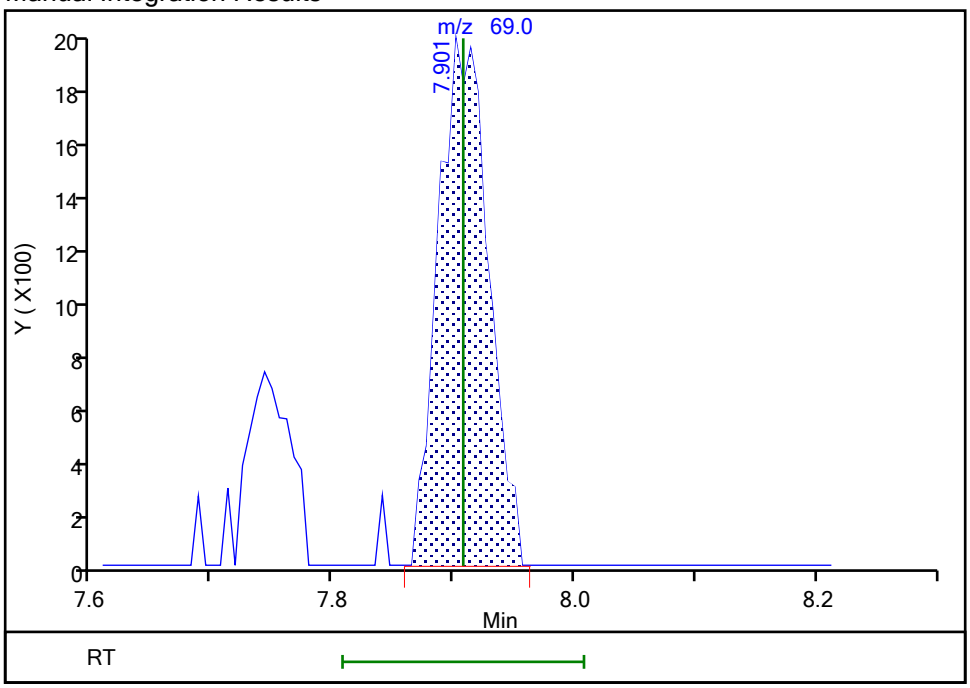
Processing Integration Results

RT: 7.90
Area: 3008
Amount: 0.983425
Amount Units: ug/l



Manual Integration Results

RT: 7.90
Area: 5509
Amount: 0.958566
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:38:25 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

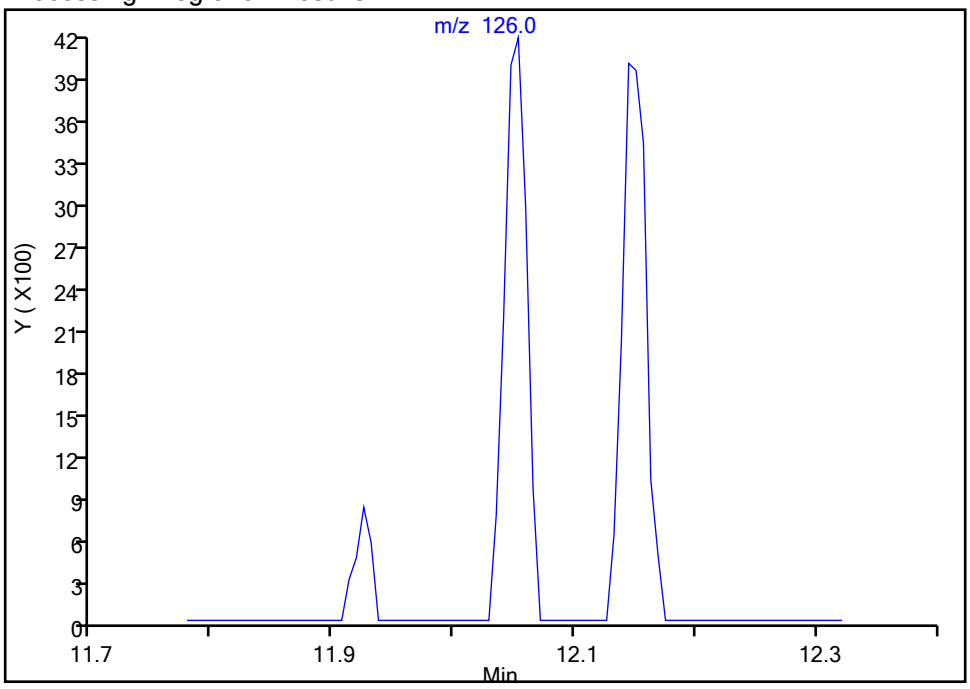
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X11.D
Injection Date: 21-May-2025 19:14:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

150 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

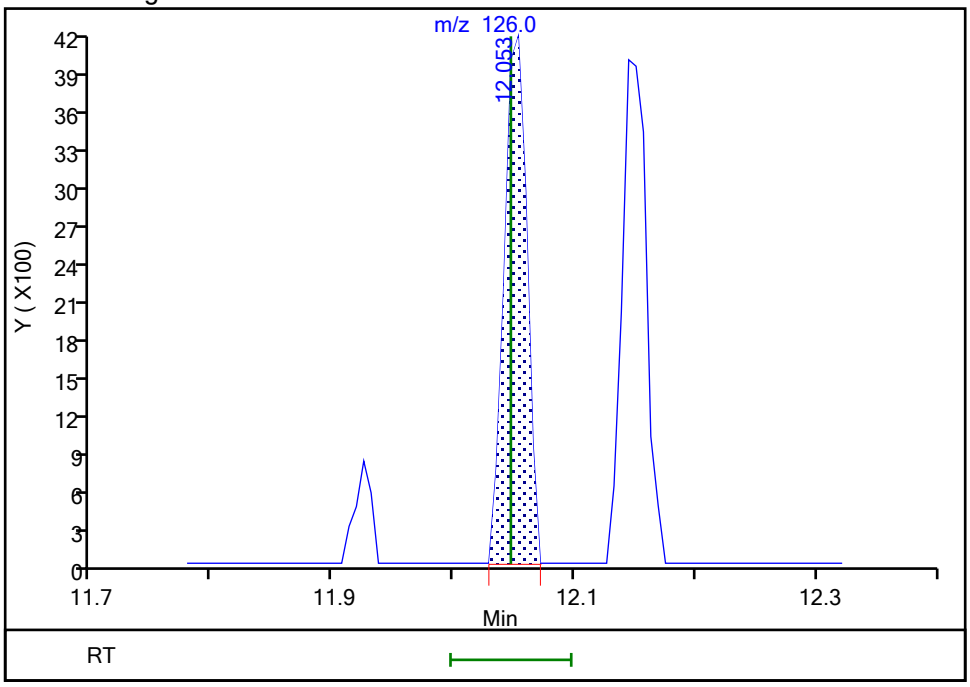
Not Detected
Expected RT: 12.05

Processing Integration Results



Manual Integration Results

RT: 12.05
Area: 5478
Amount: 0.843143
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 02:06:47 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

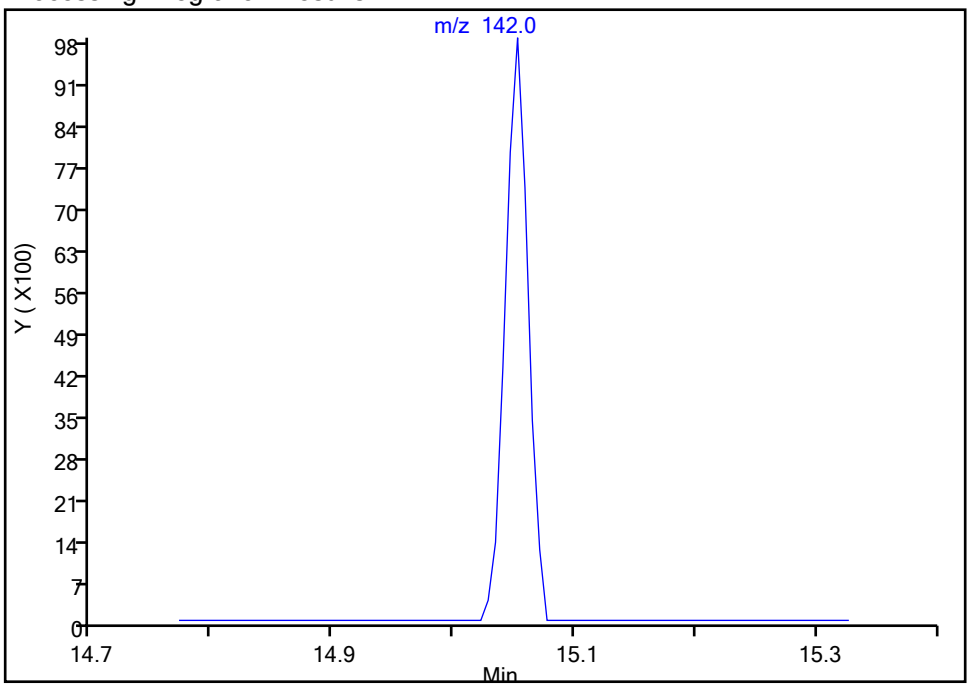
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X11.D
Injection Date: 21-May-2025 19:14:30 Instrument ID: 26285
Lims ID: IC v1
Client ID:
Operator ID: knk41612 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

181 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

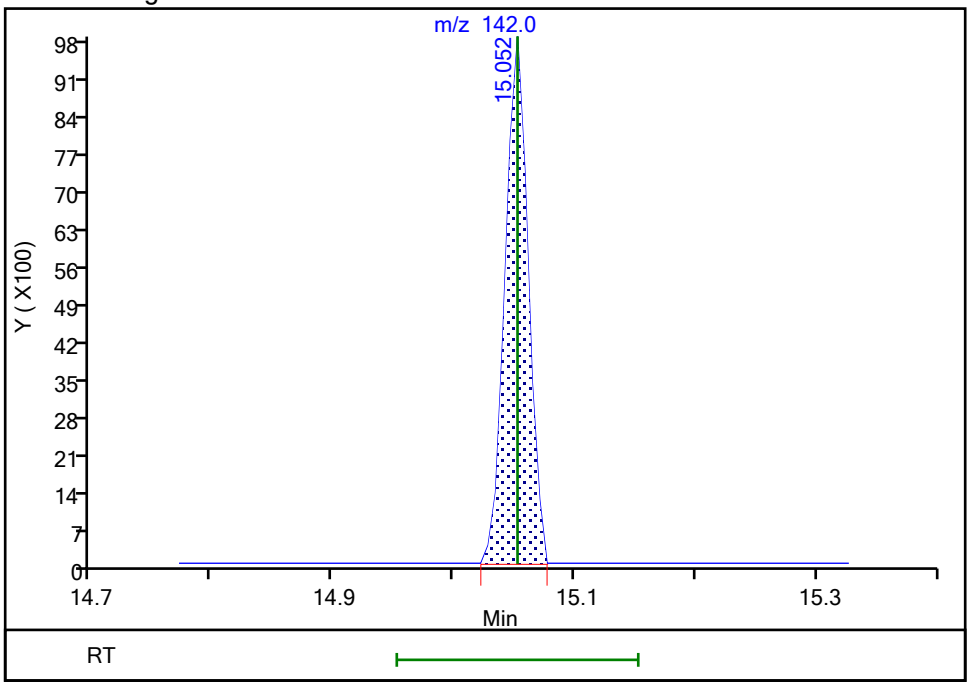
Not Detected
Expected RT: 15.05

Processing Integration Results



Manual Integration Results

RT: 15.05
Area: 13083
Amount: 0.860504
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 02:08:23 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X12.D
Lims ID: IC v4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 21-May-2025 19:35:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0147895-013
Misc. Info.: IC V4
Operator ID: knk41612 Instrument ID: 26285
Sublist: chrom-MSVoa_26285a*sub89

Method: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 22-May-2025 08:40:14 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1676

First Level Reviewer: JS6E Date: 22-May-2025 01:35:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.586	1.598	-0.012	35	38074	4.00	3.73	
4 Chloromethane	50	1.768	1.768	0.000	99	51998	4.00	3.84	
5 Butadiene	39	1.836	1.842	-0.006	98	54827	4.00	3.91	
6 Vinyl chloride	62	1.866	1.866	0.000	98	44621	4.00	4.01	
9 Bromomethane	94	2.140	2.146	-0.006	91	30069	4.00	4.15	
10 Chloroethane	64	2.183	2.177	0.006	98	25142	4.00	4.09	
11 Dichlorofluoromethane	67	2.372	2.384	-0.012	97	75892	4.00	3.99	
12 Pentane	43	2.445	2.451	-0.006	95	37327	4.00	3.23	
13 Trichlorofluoromethane	101	2.470	2.463	0.007	97	43949	4.00	3.88	
15 Ethyl ether	59	2.616	2.622	-0.006	97	23249	4.00	4.09	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.720	2.713	0.007	96	37684	4.00	4.06	
17 Acrolein	56	2.762	2.768	-0.006	98	100537	39.0	39.1	
18 1,1-Dichloroethene	96	2.878	2.884	-0.006	95	20314	4.00	3.81	
19 Acetone	58	2.915	2.921	-0.006	98	10539	8.00	8.38	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.927	2.927	0.000	86	19863	4.00	3.24	
21 Iodomethane	142	3.049	3.061	-0.012	100	38980	4.00	3.73	
22 Isopropyl alcohol	45	3.079	3.073	0.006	34	26936	20.0	18.1	
23 Carbon disulfide	76	3.122	3.128	-0.006	100	81872	4.00	3.69	
25 Methyl acetate	43	3.250	3.256	-0.006	91	34685	4.00	3.78	
26 3-Chloro-1-propene	41	3.268	3.274	-0.006	90	47675	4.00	3.72	
28 Methylene Chloride	84	3.433	3.439	-0.006	97	26493	4.00	3.89	
* 29 t-Butyl alcohol-d10 (IS)	65	3.500	3.500	0.000	92	535826	250.0	250.0	
30 2-Methyl-2-propanol	59	3.603	3.591	0.012	34	48550	20.0	19.5	
31 Acrylonitrile	53	3.719	3.713	0.006	97	47287	10.0	9.97	
32 trans-1,2-Dichloroethene	96	3.768	3.768	0.000	94	22185	4.00	3.83	
33 Methyl tert-butyl ether	73	3.774	3.780	-0.006	91	81198	4.00	3.92	
34 Hexane	57	4.158	4.152	0.006	95	26908	4.00	3.46	
36 1,1-Dichloroethane	63	4.396	4.390	0.006	96	48655	4.00	3.95	
38 Isopropyl ether	45	4.463	4.457	0.006	96	94098	4.00	3.78	
39 2-Chloro-1,3-butadiene	53	4.518	4.506	0.012	93	40989	4.00	3.75	a

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.030	5.030	0.000	98	83783	4.00	3.83	
42 2-Butanone (MEK)	43	5.274	5.268	0.006	83	53652	8.00	8.03	
43 cis-1,2-Dichloroethene	96	5.268	5.274	-0.006	86	26711	4.00	3.91	
44 2,2-Dichloropropane	77	5.292	5.292	0.000	73	39310	4.00	3.93	
45 Propionitrile	54	5.365	5.371	-0.006	95	39413	20.0	18.5	
46 Methyl acrylate	55	5.396	5.402	-0.006	94	44972	4.00	3.85	
47 Methacrylonitrile	67	5.585	5.585	0.000	95	39736	10.0	9.70	
48 Chlorobromomethane	128	5.621	5.621	0.000	74	11846	4.00	3.92	
49 Tetrahydrofuran	71	5.634	5.634	0.000	93	31606	20.0	18.7	
50 Chloroform	83	5.786	5.792	-0.006	95	43182	4.00	3.81	
52 1,1,1-Trichloroethane	97	6.012	6.011	0.001	41	35944	4.00	3.74	
$ 51 Dibromofluoromethane (Surr)	113	6.018	6.018	0.000	93	287573	50.0	51.0	
53 Cyclohexane	56	6.109	6.103	0.006	96	42292	4.00	3.51	
S 54 1,2-Dichloroethene, Total	100				0			7.73	
55 Carbon tetrachloride	117	6.231	6.231	0.000	74	28811	4.00	3.67	
56 1,1-Dichloropropene	75	6.237	6.237	0.000	94	34033	4.00	3.75	
57 Isobutyl alcohol	41	6.487	6.475	0.012	81	34798	50.0	43.3	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.493	6.493	0.000	80	63479	50.0	50.6	
59 Benzene	78	6.511	6.517	-0.006	97	99070	4.00	3.72	
60 1,2-Dichloroethane	62	6.603	6.597	0.006	96	34111	4.00	3.80	
62 Tert-amyl methyl ether	73	6.719	6.725	-0.006	97	73371	4.00	3.75	
* 63 Fluorobenzene (IS)	96	6.944	6.944	0.000	98	1144326	50.0	50.0	
64 n-Heptane	43	6.975	6.969	0.006	96	24431	4.00	4.45	
65 n-Butanol	56	7.402	7.389	0.013	93	26855	50.0	45.4	
66 Trichloroethene	95	7.444	7.444	0.000	94	23174	4.00	3.63	
67 Ethyl acrylate	55	7.597	7.597	0.000	98	42274	4.00	3.60	
68 Methylcyclohexane	83	7.743	7.749	-0.006	92	31006	4.00	3.65	
69 1,2-Dichloropropane	63	7.786	7.798	-0.012	95	27582	4.00	3.79	
70 2-ethoxy-2-methyl butane	87	7.810	7.816	-0.006	86	32090	4.00	3.66	
72 1,4-Dioxane	88	7.877	7.901	-0.024	27	5673	50.0	45.9	
73 Dibromomethane	93	7.901	7.907	-0.006	63	15475	4.00	3.77	
74 Methyl methacrylate	69	7.908	7.907	0.001	93	22029	4.00	3.83	
76 Dichlorobromomethane	83	8.164	8.164	0.000	97	29693	4.00	3.67	
77 2-Nitropropane	41	8.456	8.462	-0.006	99	55034	20.0	17.4	
78 2-Chloroethyl vinyl ether	63	8.566	8.560	0.006	92	16882	4.00	3.61	
79 cis-1,3-Dichloropropene	75	8.749	8.749	0.000	92	35923	4.00	3.50	
83 4-Methyl-2-pentanone (MIBK)	43	8.962	8.956	0.006	98	106479	8.00	7.89	
$ 84 Toluene-d8 (Surr)	98	9.090	9.090	0.000	95	1056241	50.0	51.1	
85 Toluene	92	9.176	9.176	0.000	98	53754	4.00	3.73	
86 trans-1,3-Dichloropropene	75	9.493	9.493	0.001	96	31282	4.00	3.65	
87 Ethyl methacrylate	69	9.578	9.572	0.006	93	37918	4.00	3.80	
88 1,1,2-Trichloroethane	97	9.712	9.712	0.000	92	19118	4.00	3.79	
89 Tetrachloroethene	166	9.791	9.791	0.000	94	20266	4.00	3.77	
91 1,3-Dichloropropane	76	9.889	9.889	0.000	98	32885	4.00	3.76	
92 2-Hexanone	43	9.968	9.968	0.000	99	72922	8.00	8.06	
S 98 1,3-Dichloropropene, Total	100				0			7.15	
100 Chlorodibromomethane	129	10.121	10.120	0.000	90	19405	4.00	3.63	
101 Ethylene Dibromide	107	10.230	10.230	0.000	100	19545	4.00	3.78	
* 128 Chlorobenzene-d5 (IS)	117	10.706	10.706	0.000	89	753177	50.0	50.0	
130 Chlorobenzene	112	10.730	10.730	0.000	92	55658	4.00	3.74	
129 1-Chlorohexane	91	10.730	10.730	0.000	73	28673	4.00	3.96	
131 1,1,1,2-Tetrachloroethane	131	10.828	10.828	0.000	93	21006	4.00	3.69	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
132 Ethylbenzene	91	10.834	10.834	0.000	99	112602	4.00	3.86	
133 m-Xylene & p-Xylene	106	10.956	10.962	-0.006	100	81860	8.00	7.74	
S 135 Xylenes, Total	106				0			11.6	
134 n-Butyl acrylate	55	11.279	11.279	0.000	95	67139	4.00	3.99	
136 o-Xylene	106	11.309	11.309	0.000	97	41867	4.00	3.81	
137 Styrene	104	11.328	11.328	0.000	95	67065	4.00	3.90	
138 Bromoform	173	11.486	11.486	0.000	93	14110	4.00	3.54	
139 Isopropylbenzene	105	11.632	11.632	0.000	96	95936	4.00	3.87	
141 Cyclohexanone	55	11.706	11.705	0.001	96	57782	200.0	116.6	
$ 143 4-Bromofluorobenzene (Surr)	95	11.779	11.779	0.000	86	417546	50.0	51.8	
144 Bromobenzene	156	11.895	11.894	0.001	96	23329	4.00	3.68	
145 1,1,2,2-Tetrachloroethane	83	11.901	11.894	0.007	95	41404	4.00	3.76	
146 trans-1,4-Dichloro-2-butene	53	11.925	11.925	0.000	90	31953	10.0	9.61	
147 1,2,3-Trichloropropane	110	11.937	11.937	0.000	82	10672	4.00	3.82	
148 N-Propylbenzene	91	11.974	11.974	0.000	99	133039	4.00	3.85	
150 2-Chlorotoluene	126	12.047	12.047	0.000	95	24174	4.00	3.71	a
152 1,3,5-Trimethylbenzene	105	12.126	12.126	0.000	93	84641	4.00	3.62	
153 4-Chlorotoluene	126	12.151	12.151	0.000	99	23578	4.00	3.73	
154 tert-Butylbenzene	134	12.376	12.370	0.006	94	12634	4.00	3.31	
156 1,2,4-Trimethylbenzene	105	12.419	12.419	0.000	98	88145	4.00	3.64	
158 sec-Butylbenzene	105	12.541	12.541	0.000	95	94023	4.00	3.53	
159 1,3-Dichlorobenzene	146	12.638	12.638	0.000	97	46435	4.00	3.92	
160 4-Isopropyltoluene	119	12.657	12.657	0.000	97	82443	4.00	3.66	
* 163 1,4-Dichlorobenzene-d4	152	12.699	12.699	0.000	97	421255	50.0	50.0	
164 1,4-Dichlorobenzene	146	12.718	12.717	0.001	92	44345	4.00	3.73	
165 1,2,3-Trimethylbenzene	105	12.730	12.730	0.000	99	91932	4.00	3.69	
166 Benzyl chloride	91	12.803	12.797	0.006	99	77763	4.00	3.75	
167 1,3-Diethylbenzene	119	12.870	12.870	0.000	94	46452	4.00	3.66	
168 p-Diethylbenzene	119	12.943	12.943	0.000	94	50585	4.00	3.78	
169 n-Butylbenzene	92	12.961	12.961	0.000	98	44327	4.00	3.85	
171 1,2-Dichlorobenzene	146	12.986	12.986	0.000	96	45441	4.00	3.73	
172 o-diethylbenzene	119	13.016	13.016	0.000	98	38293	4.00	3.57	
173 1,2-Dibromo-3-Chloropropane	75	13.547	13.547	0.000	77	11382	4.00	3.77	
175 1,3,5-Trichlorobenzene	180	13.675	13.675	0.000	96	28806	4.00	3.73	
176 1,2,4-Trichlorobenzene	180	14.114	14.114	0.000	94	28363	4.00	3.75	
177 2-Ethylhexyl acrylate	55	14.193	14.187	0.006	83	39058	4.00	3.54	
178 Hexachlorobutadiene	225	14.199	14.199	0.000	92	9168	4.00	3.67	
179 Naphthalene	128	14.297	14.296	0.001	98	129024	4.00	3.82	
180 1,2,3-Trichlorobenzene	180	14.443	14.443	0.000	94	29061	4.00	3.81	
181 2-Methylnaphthalene	142	15.052	15.052	0.000	93	54702	4.00	3.59	a
S 213 Total Diethylbenzene	1				0			11.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_CYC_00011	Amount Added:	32.00	Units: uL	
MSV_CCV_GASES_01023	Amount Added:	2.00	Units: uL	
MSV_CCV_VOC#3_00237	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00228	Amount Added:	4.00	Units: uL	
MSV_CCV_EE_00009	Amount Added:	4.00	Units: uL	
MSV_CCV_VOC#1_00236	Amount Added:	4.00	Units: uL	
MSV_CCV_OH_Sp_00021	Amount Added:	4.00	Units: uL	
MSV_Cent_ISSS_00041	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-May-2025 08:40:15 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X12.D

Injection Date: 21-May-2025 19:35:30 Instrument ID: 26285 Operator ID: knk41612

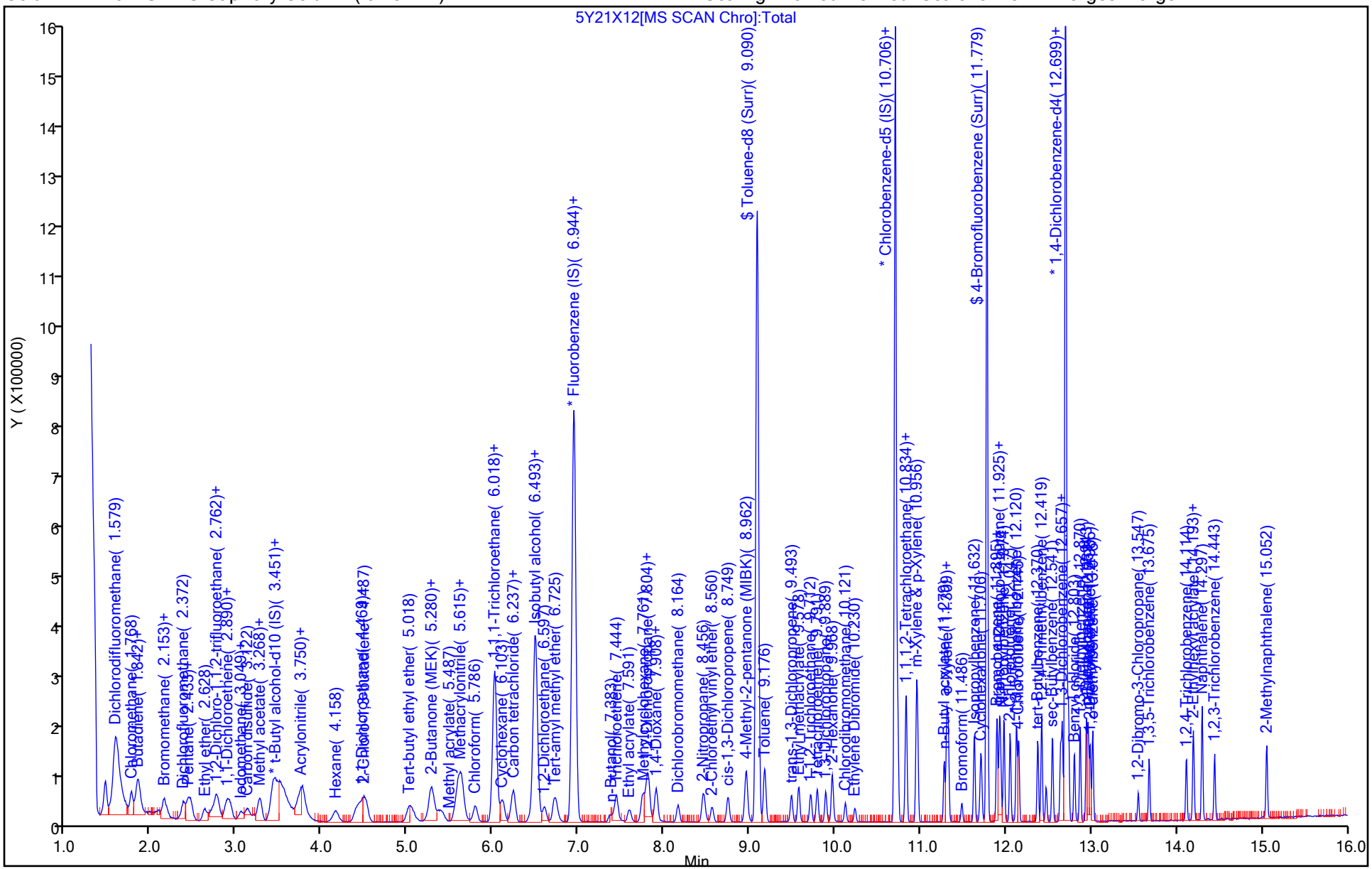
Lims ID: IC v4 Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 12

Method: MSVoa_26285a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

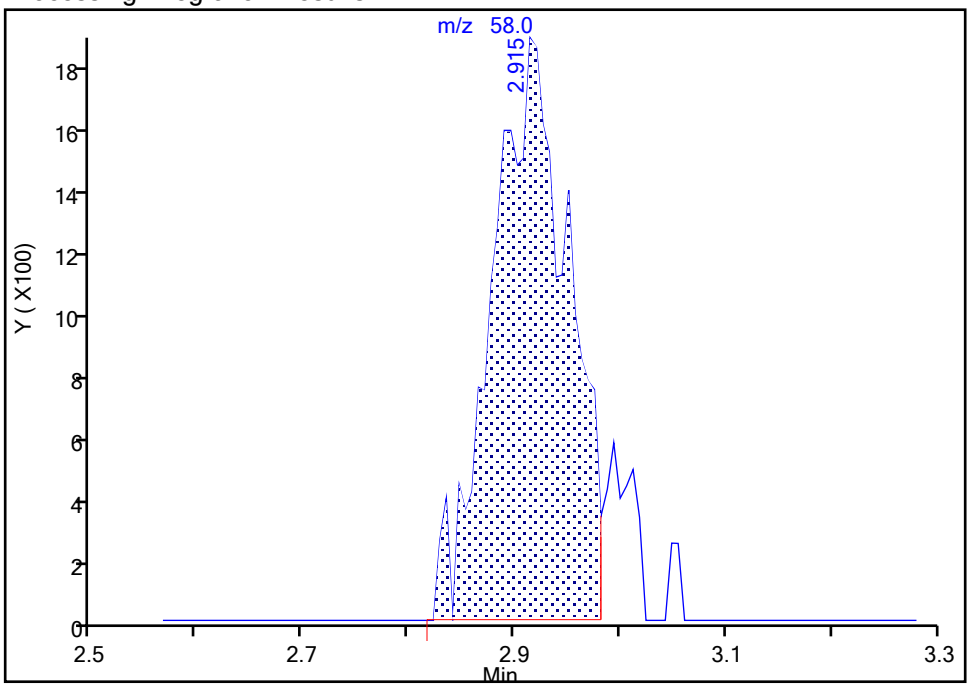
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X12.D
Injection Date: 21-May-2025 19:35:30 Instrument ID: 26285
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

19 Acetone, CAS: 67-64-1

Signal: 1

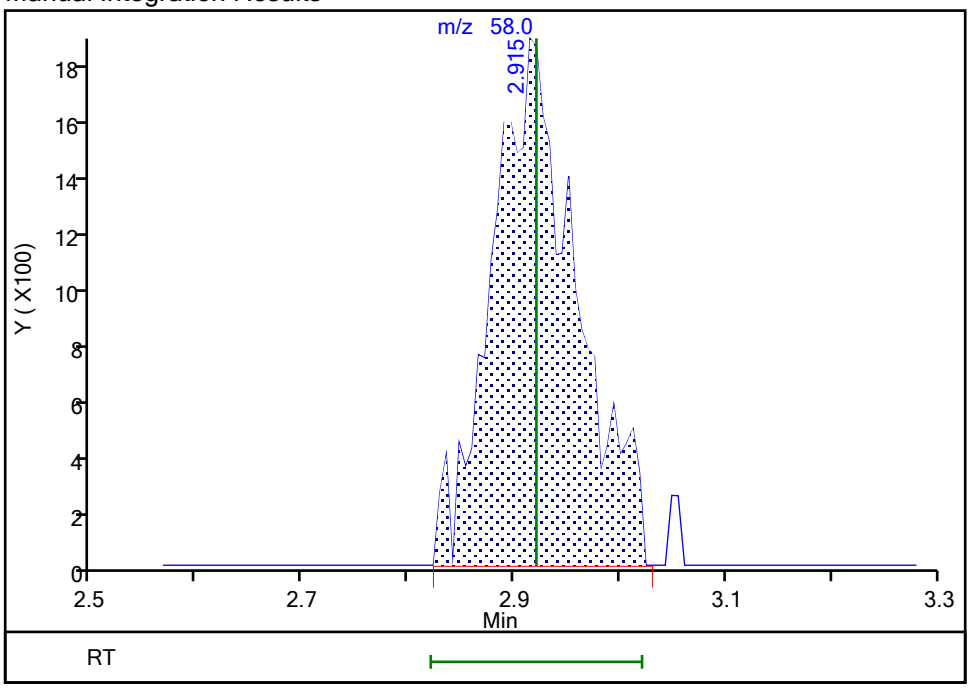
Processing Integration Results

RT: 2.91
Area: 9565
Amount: 7.712863
Amount Units: ug/l



Manual Integration Results

RT: 2.91
Area: 10539
Amount: 8.380721
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:35:02 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

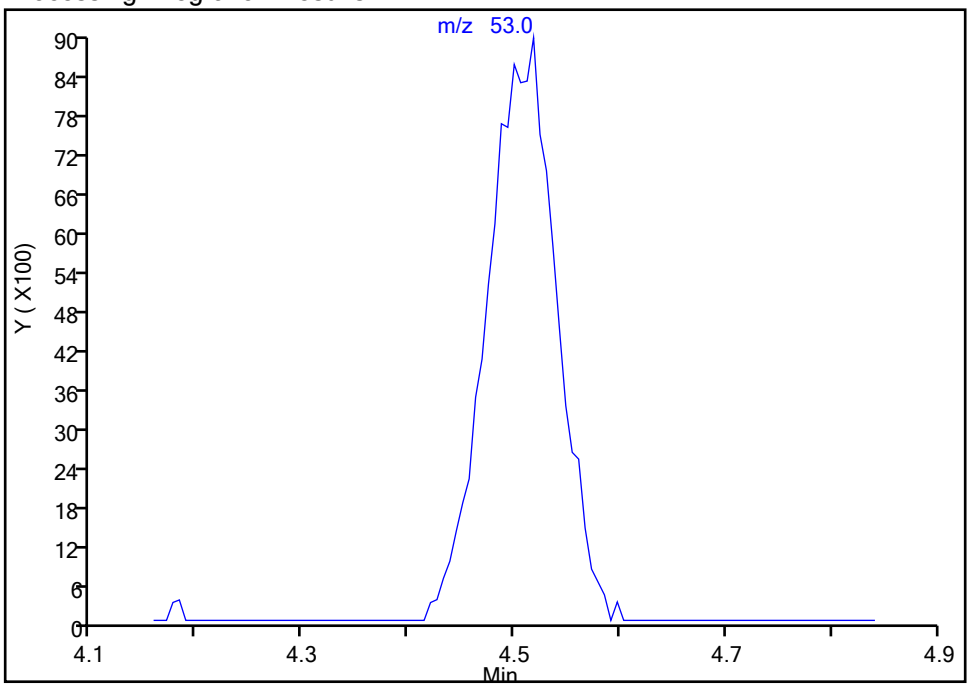
Data File:	\\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X12.D				
Injection Date:	21-May-2025 19:35:30	Instrument ID:	26285		
Lims ID:	IC v4				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

39 2-Chloro-1,3-butadiene, CAS: 126-99-8

Signal: 1

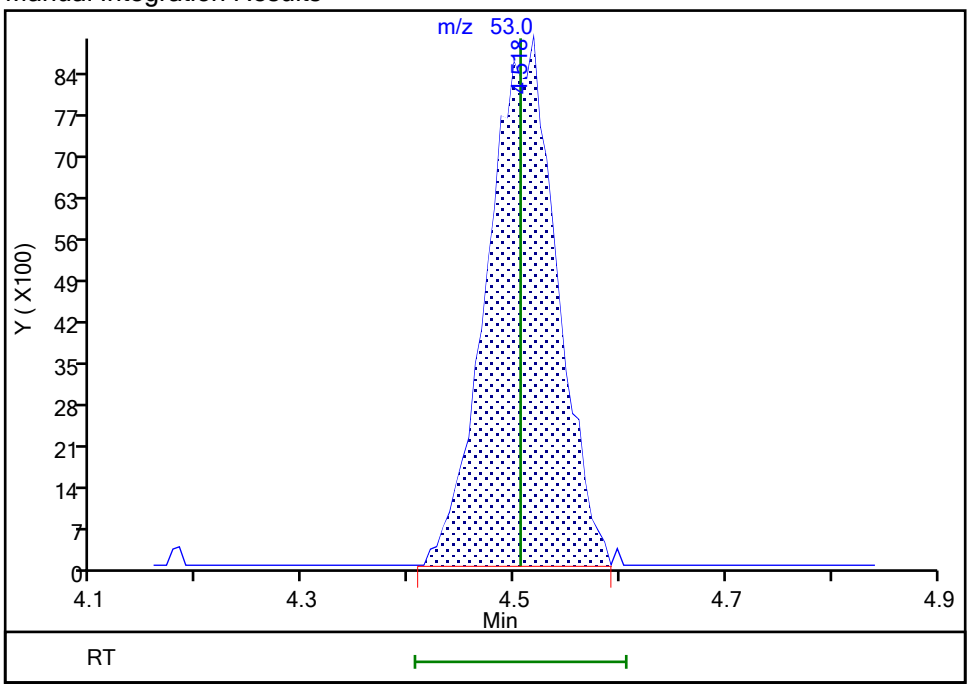
Not Detected
Expected RT: 4.51

Processing Integration Results



Manual Integration Results

RT: 4.52
Area: 40989
Amount: 3.749668
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:35:14 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

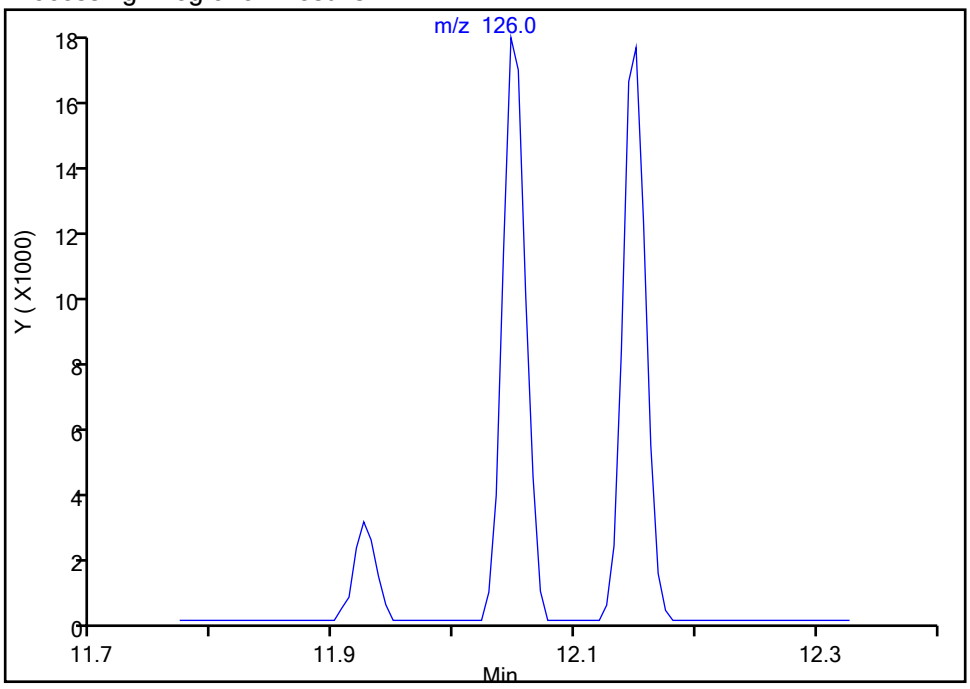
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X12.D
Injection Date: 21-May-2025 19:35:30 Instrument ID: 26285
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

150 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

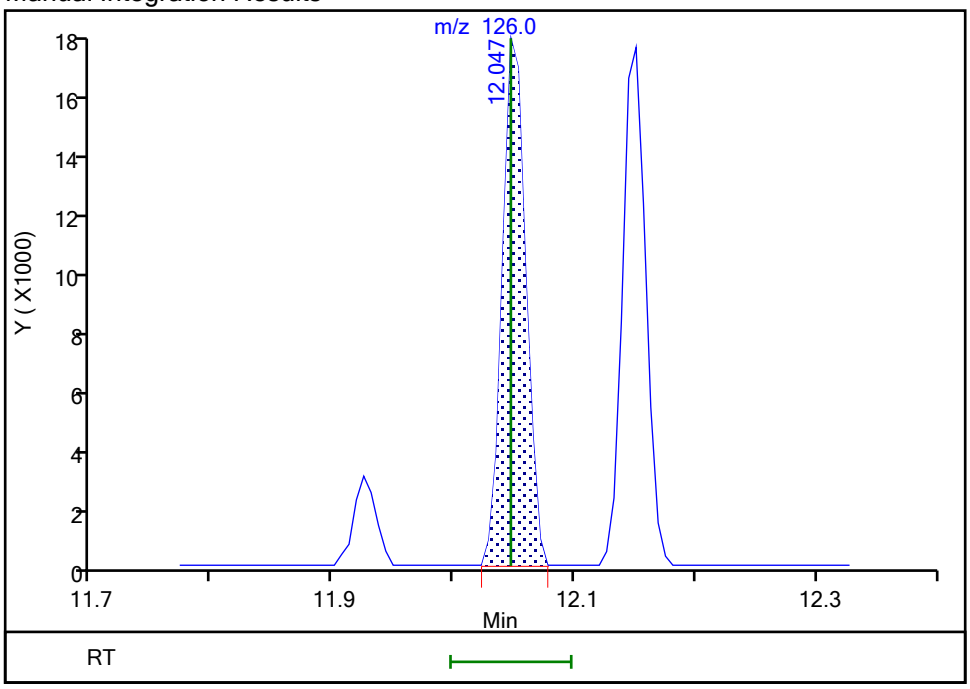
Not Detected
Expected RT: 12.05

Processing Integration Results



Manual Integration Results

RT: 12.05
Area: 24174
Amount: 3.712408
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 02:06:31 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

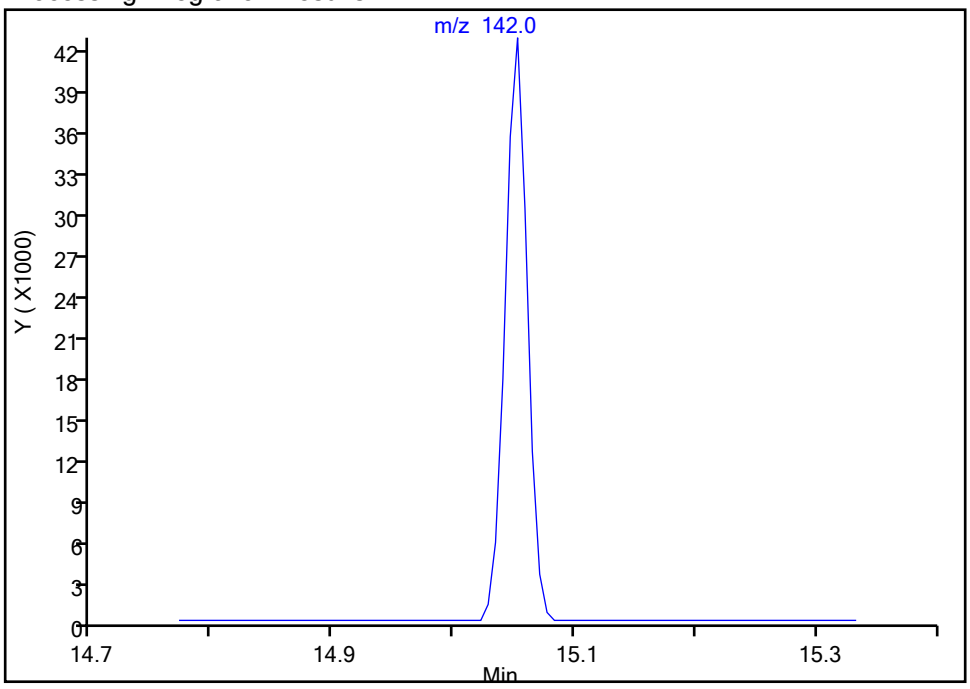
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X12.D
Injection Date: 21-May-2025 19:35:30 Instrument ID: 26285
Lims ID: IC v4
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

181 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

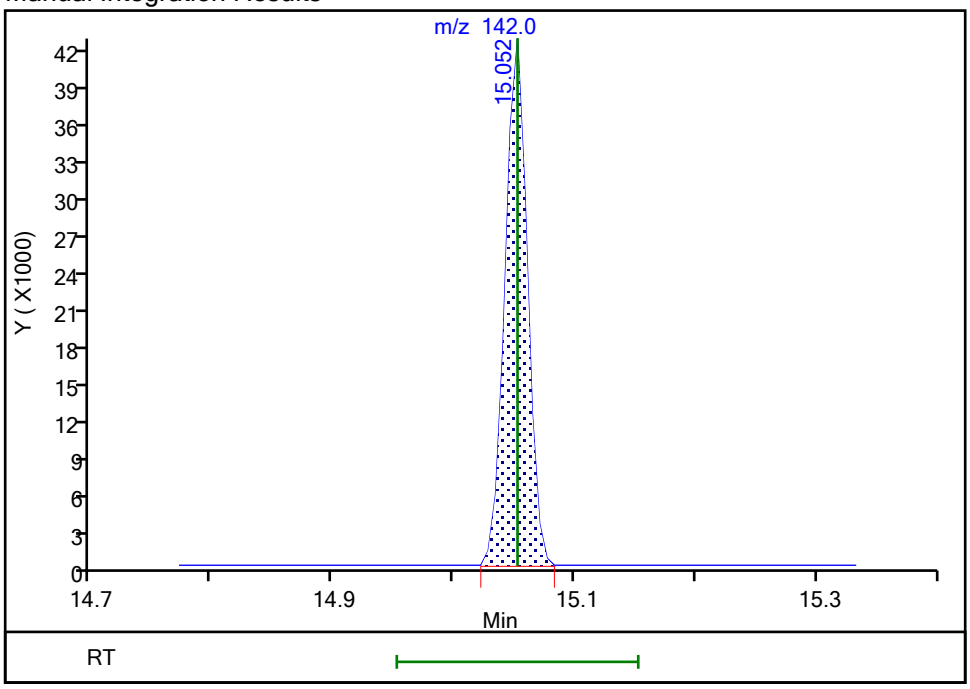
Not Detected
Expected RT: 15.05

Processing Integration Results



Manual Integration Results

RT: 15.05
Area: 54702
Amount: 3.589851
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 02:08:12 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X13.D
Lims ID: IC v10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-May-2025 19:55:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0147895-014
Misc. Info.: IC V10
Operator ID: knk41612 Instrument ID: 26285
Sublist: chrom-MSVoa_26285a*sub89

Method: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 22-May-2025 08:40:19 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1676

First Level Reviewer: JS6E Date: 22-May-2025 01:34:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.598	1.598	0.000	53	122651	10.0	11.5	
4 Chloromethane	50	1.769	1.768	0.000	99	152979	10.0	10.8	
5 Butadiene	39	1.842	1.842	0.000	99	162316	10.0	11.1	
6 Vinyl chloride	62	1.866	1.866	0.000	98	127693	10.0	11.0	
9 Bromomethane	94	2.153	2.146	0.007	91	81806	10.0	10.8	
10 Chloroethane	64	2.183	2.177	0.006	97	69423	10.0	10.8	
11 Dichlorofluoromethane	67	2.384	2.384	0.000	97	207918	10.0	10.4	
12 Pentane	43	2.445	2.451	-0.006	97	105787	10.0	8.75	
13 Trichlorofluoromethane	101	2.463	2.463	0.000	97	133156	10.0	11.2	
15 Ethyl ether	59	2.628	2.622	0.006	96	60962	10.0	10.2	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.726	2.713	0.013	97	106632	10.0	11.0	
17 Acrolein	56	2.774	2.768	0.006	98	259645	97.6	97.9	
18 1,1-Dichloroethene	96	2.890	2.884	0.006	94	56008	10.0	10.0	
19 Acetone	58	2.909	2.921	-0.012	98	26075	20.0	20.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.927	2.927	0.000	92	56961	10.0	8.89	
21 Iodomethane	142	3.055	3.061	-0.006	99	110370	10.0	10.1	
22 Isopropyl alcohol	45	3.085	3.073	0.012	51	85175	50.0	55.5	
23 Carbon disulfide	76	3.128	3.128	0.000	99	229948	10.0	9.91	M
25 Methyl acetate	43	3.250	3.256	-0.006	100	98511	10.0	10.3	
26 3-Chloro-1-propene	41	3.274	3.274	0.000	89	134066	10.0	10.0	
28 Methylene Chloride	84	3.439	3.439	0.000	98	69953	10.0	9.82	
* 29 t-Butyl alcohol-d10 (IS)	65	3.500	3.500	0.000	97	553376	250.0	250.0	
30 2-Methyl-2-propanol	59	3.616	3.591	0.025	99	145486	50.0	56.6	
31 Acrylonitrile	53	3.725	3.713	0.012	98	130909	25.0	26.4	
32 trans-1,2-Dichloroethene	96	3.774	3.768	0.006	94	60331	10.0	9.95	
33 Methyl tert-butyl ether	73	3.792	3.780	0.012	97	220076	10.0	10.2	
34 Hexane	57	4.177	4.152	0.025	96	64660	10.0	7.94	
36 1,1-Dichloroethane	63	4.408	4.390	0.018	96	129639	10.0	10.1	
38 Isopropyl ether	45	4.463	4.457	0.006	97	262611	10.0	10.1	
39 2-Chloro-1,3-butadiene	53	4.512	4.506	0.006	93	113016	10.0	9.88	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.030	5.030	0.000	99	229193	10.0	10.0	
42 2-Butanone (MEK)	43	5.274	5.268	0.006	80	141890	20.0	20.3	
43 cis-1,2-Dichloroethene	96	5.280	5.274	0.006	86	71738	10.0	10.0	
44 2,2-Dichloropropane	77	5.298	5.292	0.006	89	102317	10.0	9.78	
45 Propionitrile	54	5.378	5.371	0.007	96	109950	50.0	49.8	
46 Methyl acrylate	55	5.396	5.402	-0.006	99	127119	10.0	10.4	
47 Methacrylonitrile	67	5.591	5.585	0.006	96	109315	25.0	25.5	
48 Chlorobromomethane	128	5.621	5.621	0.000	91	32296	10.0	10.2	
49 Tetrahydrofuran	71	5.646	5.634	0.012	93	86924	50.0	49.9	
50 Chloroform	83	5.798	5.792	0.006	95	119796	10.0	10.1	
52 1,1,1-Trichloroethane	97	6.012	6.011	0.001	49	94584	10.0	9.41	
$ 51 Dibromofluoromethane (Surr)	113	6.018	6.018	0.000	92	292958	50.0	49.7	
53 Cyclohexane	56	6.109	6.103	0.006	96	111495	10.0	8.84	
S 54 1,2-Dichloroethene, Total	100				0			20.0	
55 Carbon tetrachloride	117	6.237	6.231	0.006	96	77537	10.0	9.45	
56 1,1-Dichloropropene	75	6.243	6.237	0.006	94	91530	10.0	9.64	
57 Isobutyl alcohol	41	6.481	6.475	0.006	90	118951	125.0	143.4	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.493	6.493	0.000	83	65689	50.0	50.0	
59 Benzene	78	6.511	6.517	-0.006	94	274016	10.0	9.83	
60 1,2-Dichloroethane	62	6.603	6.597	0.006	96	93664	10.0	9.98	
62 Tert-amyl methyl ether	73	6.731	6.725	0.006	98	207601	10.0	10.1	
* 63 Fluorobenzene (IS)	96	6.944	6.944	0.000	98	1197383	50.0	50.0	
64 n-Heptane	43	6.975	6.969	0.006	97	53567	10.0	7.66	
65 n-Butanol	56	7.389	7.389	0.000	91	84322	125.0	137.9	
66 Trichloroethene	95	7.444	7.444	0.000	94	64107	10.0	9.59	a
67 Ethyl acrylate	55	7.597	7.597	0.000	99	127169	10.0	10.4	
68 Methylcyclohexane	83	7.749	7.749	0.000	95	77513	10.0	7.57	
69 1,2-Dichloropropane	63	7.798	7.798	0.000	97	74499	10.0	9.79	
70 2-ethoxy-2-methyl butane	87	7.816	7.816	0.000	87	91495	10.0	9.98	
72 1,4-Dioxane	88	7.914	7.901	0.013	28	17638	125.0	138.3	
73 Dibromomethane	93	7.908	7.907	0.001	60	42842	10.0	9.98	
74 Methyl methacrylate	69	7.908	7.907	0.001	94	59839	10.0	9.93	
76 Dichlorobromomethane	83	8.164	8.164	0.000	98	82056	10.0	9.70	
77 2-Nitropropane	41	8.462	8.462	0.000	98	159551	50.0	48.8	
78 2-Chloroethyl vinyl ether	63	8.560	8.560	0.000	91	48043	10.0	9.83	
79 cis-1,3-Dichloropropene	75	8.749	8.749	0.000	92	103728	10.0	9.66	
83 4-Methyl-2-pentanone (MIBK)	43	8.962	8.956	0.006	98	282072	20.0	20.0	
$ 84 Toluene-d8 (Surr)	98	9.090	9.090	0.000	95	1102730	50.0	50.8	
85 Toluene	92	9.176	9.176	0.000	97	148565	10.0	9.82	
86 trans-1,3-Dichloropropene	75	9.493	9.493	0.001	97	90470	10.0	10.1	
87 Ethyl methacrylate	69	9.572	9.572	0.000	93	113967	10.0	10.9	
88 1,1,2-Trichloroethane	97	9.712	9.712	0.000	92	55343	10.0	10.4	
89 Tetrachloroethene	166	9.791	9.791	0.000	95	53299	10.0	9.43	
91 1,3-Dichloropropane	76	9.889	9.889	0.000	97	93912	10.0	10.2	
92 2-Hexanone	43	9.968	9.968	0.000	99	195635	20.0	20.6	
S 98 1,3-Dichloropropene, Total	100				0			19.7	
100 Chlorodibromomethane	129	10.121	10.120	0.001	91	55986	10.0	9.98	
101 Ethylene Dibromide	107	10.236	10.230	0.006	98	55280	10.0	10.2	
* 128 Chlorobenzene-d5 (IS)	117	10.706	10.706	0.000	88	791184	50.0	50.0	
130 Chlorobenzene	112	10.730	10.730	0.000	91	155763	10.0	9.97	
129 1-Chlorohexane	91	10.730	10.730	0.000	68	65180	10.0	8.57	
131 1,1,1,2-Tetrachloroethane	131	10.828	10.828	0.000	95	59827	10.0	10.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
132 Ethylbenzene	91	10.834	10.834	0.000	99	297981	10.0	9.71	
133 m-Xylene & p-Xylene	106	10.956	10.962	-0.006	99	213343	20.0	19.2	
S 135 Xylenes, Total	106				0			29.1	
134 n-Butyl acrylate	55	11.279	11.279	0.000	94	200255	10.0	11.3	
136 o-Xylene	106	11.309	11.309	0.000	98	113712	10.0	9.86	
137 Styrene	104	11.328	11.328	0.000	96	182616	10.0	10.1	
138 Bromoform	173	11.486	11.486	0.000	95	43675	10.0	10.4	
139 Isopropylbenzene	105	11.632	11.632	0.000	96	245186	10.0	9.41	
141 Cyclohexanone	55	11.706	11.705	0.001	96	151626	250.0	296.3	
$ 143 4-Bromofluorobenzene (Surr)	95	11.779	11.779	0.000	87	433135	50.0	51.2	
144 Bromobenzene	156	11.895	11.894	0.001	96	63930	10.0	9.87	
145 1,1,2,2-Tetrachloroethane	83	11.895	11.894	0.001	93	120596	10.0	10.7	
146 trans-1,4-Dichloro-2-butene	53	11.925	11.925	0.000	90	92380	25.0	27.2	
147 1,2,3-Trichloropropane	110	11.937	11.937	0.000	86	31071	10.0	10.9	
148 N-Propylbenzene	91	11.980	11.974	0.006	99	319738	10.0	9.04	
150 2-Chlorotoluene	126	12.053	12.047	0.006	95	63674	10.0	9.56	a
152 1,3,5-Trimethylbenzene	105	12.126	12.126	0.000	93	216590	10.0	9.05	
153 4-Chlorotoluene	126	12.151	12.151	0.000	99	62106	10.0	9.60	
154 tert-Butylbenzene	134	12.370	12.370	0.000	94	31701	10.0	8.12	
156 1,2,4-Trimethylbenzene	105	12.419	12.419	0.000	98	230108	10.0	9.29	
158 sec-Butylbenzene	105	12.547	12.541	0.006	95	230108	10.0	8.44	
159 1,3-Dichlorobenzene	146	12.638	12.638	0.000	97	115844	10.0	9.57	
160 4-Isopropyltoluene	119	12.657	12.657	0.000	97	196517	10.0	8.52	
* 163 1,4-Dichlorobenzene-d4	152	12.699	12.699	0.000	97	430861	50.0	50.0	
164 1,4-Dichlorobenzene	146	12.718	12.717	0.001	95	117551	10.0	9.67	
165 1,2,3-Trimethylbenzene	105	12.730	12.730	0.000	100	239303	10.0	9.40	
166 Benzyl chloride	91	12.803	12.797	0.006	99	225271	10.0	10.6	
167 1,3-Diethylbenzene	119	12.870	12.870	0.000	95	114163	10.0	8.80	
168 p-Diethylbenzene	119	12.943	12.943	0.000	93	120011	10.0	8.78	
169 n-Butylbenzene	92	12.961	12.961	0.000	98	101569	10.0	8.63	
171 1,2-Dichlorobenzene	146	12.986	12.986	0.000	96	124948	10.0	10.0	
172 o-diethylbenzene	119	13.016	13.016	0.000	97	96895	10.0	8.83	
173 1,2-Dibromo-3-Chloropropane	75	13.547	13.547	0.000	77	34987	10.0	11.3	
175 1,3,5-Trichlorobenzene	180	13.675	13.675	0.000	96	71436	10.0	9.04	
176 1,2,4-Trichlorobenzene	180	14.114	14.114	0.000	93	73490	10.0	9.49	
177 2-Ethylhexyl acrylate	55	14.193	14.187	0.006	83	119180	10.0	10.6	
178 Hexachlorobutadiene	225	14.199	14.199	0.000	91	21186	10.0	8.30	
179 Naphthalene	128	14.297	14.296	0.001	98	356231	10.0	10.3	
180 1,2,3-Trichlorobenzene	180	14.443	14.443	0.000	95	75815	10.0	9.73	
181 2-Methylnaphthalene	142	15.052	15.052	0.000	92	155173	10.0	9.96	a
S 213 Total Diethylbenzene	1				0			26.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_CYC_00011	Amount Added:	8.00	Units: uL	
MSV_CCV_GASES_01023	Amount Added:	1.00	Units: uL	
MSV_CCV_VOC#3_00237	Amount Added:	1.60	Units: uL	
MSV_CCV_2CEVE_00228	Amount Added:	2.00	Units: uL	
MSV_CCV_EE_00009	Amount Added:	2.00	Units: uL	
MSV_CCV_VOC#1_00236	Amount Added:	2.00	Units: uL	
MSV_CCV_OH_Sp_00021	Amount Added:	2.00	Units: uL	
MSV_Cent_ISSS_00041	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-May-2025 08:40:20 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X13.D

Injection Date: 21-May-2025 19:55:30 Instrument ID: 26285 Operator ID: knk41612

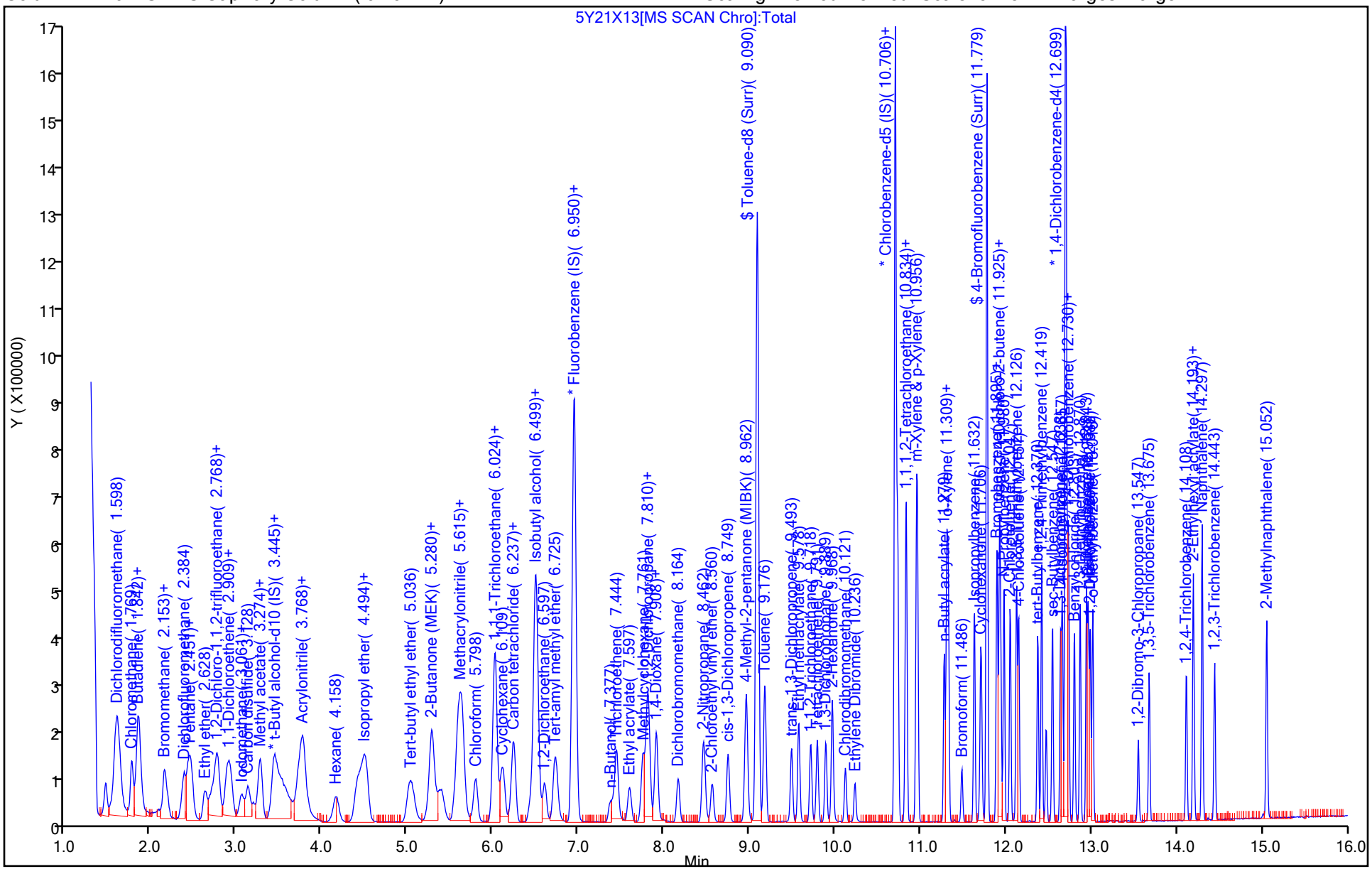
Lims ID: IC v10 Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 13

Method: MSVoa_26285a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

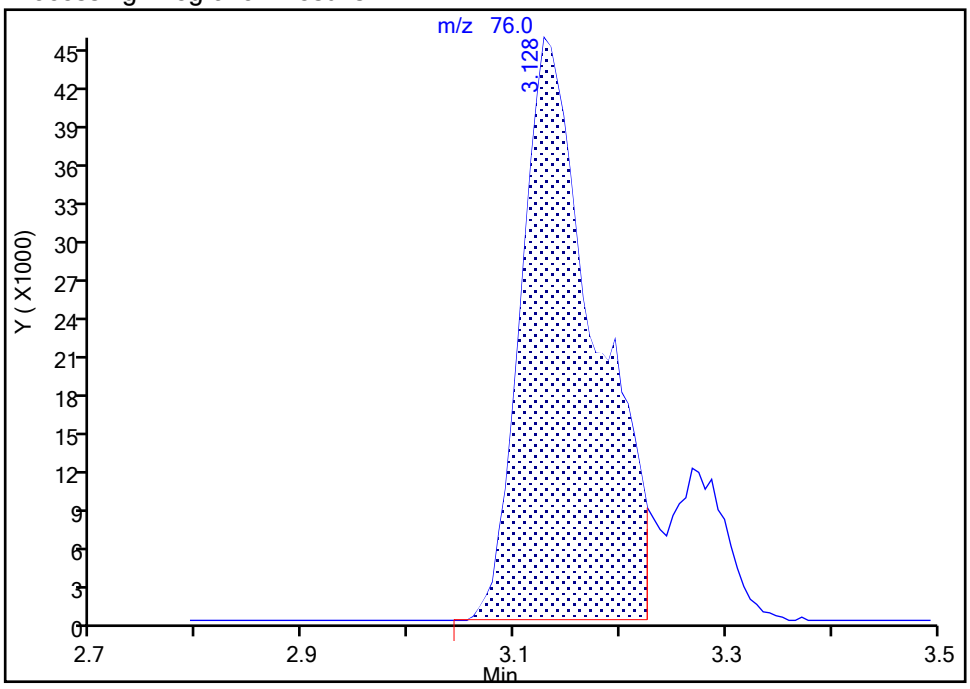
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X13.D
Injection Date: 21-May-2025 19:55:30 Instrument ID: 26285
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

23 Carbon disulfide, CAS: 75-15-0

Signal: 1

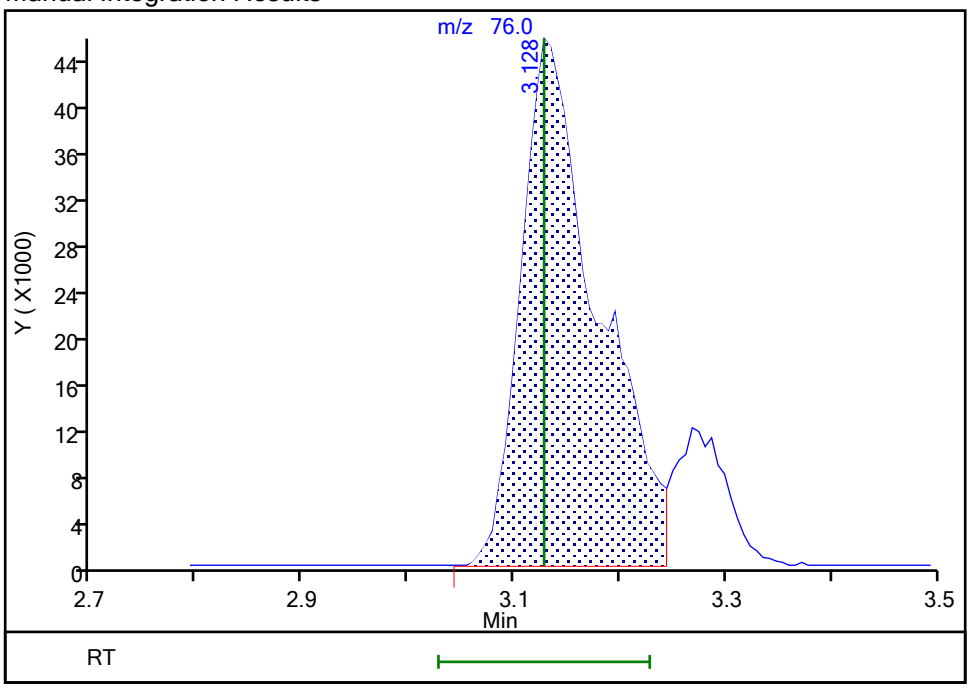
Processing Integration Results

RT: 3.13
Area: 222032
Amount: 9.612363
Amount Units: ug/l



Manual Integration Results

RT: 3.13
Area: 229948
Amount: 9.906567
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:33:50 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

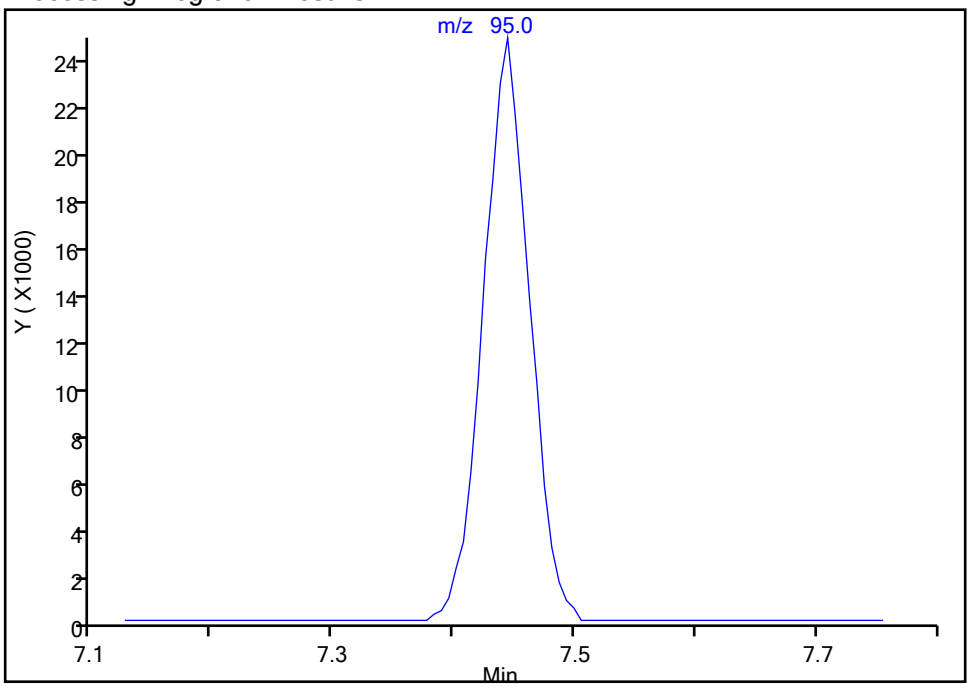
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X13.D
Injection Date: 21-May-2025 19:55:30 Instrument ID: 26285
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

66 Trichloroethene, CAS: 79-01-6

Signal: 1

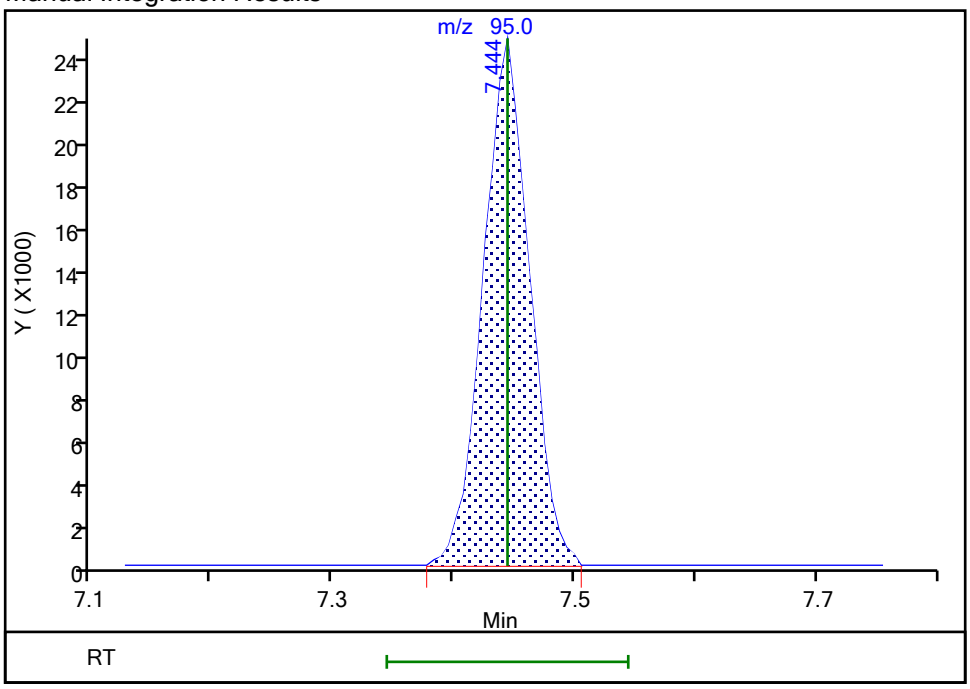
Not Detected
Expected RT: 7.44

Processing Integration Results



Manual Integration Results

RT: 7.44
Area: 64107
Amount: 9.594938
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:34:07 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

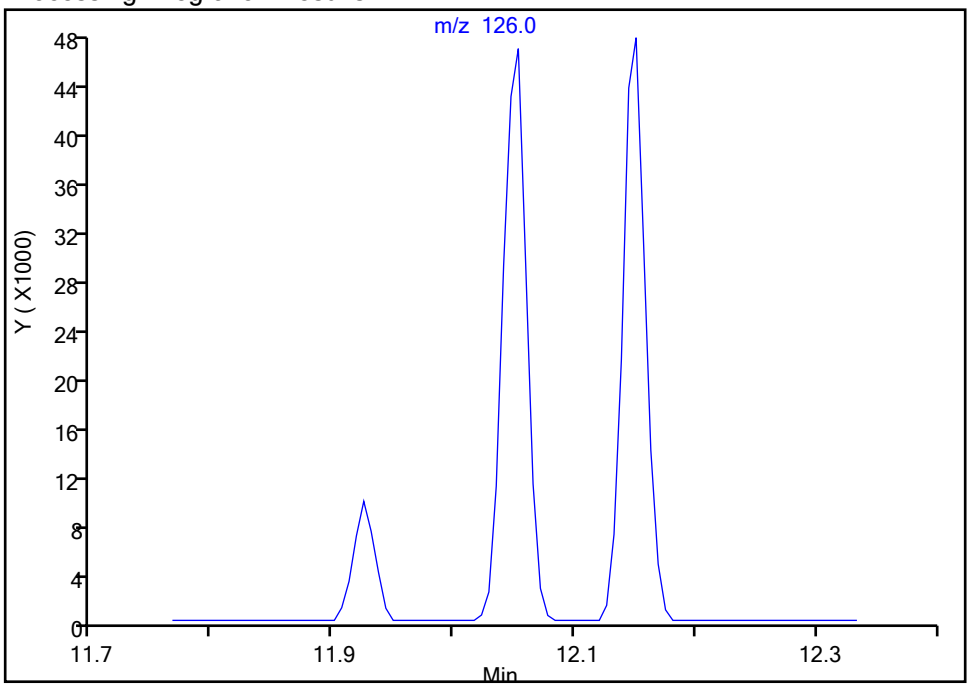
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X13.D
Injection Date: 21-May-2025 19:55:30 Instrument ID: 26285
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

150 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

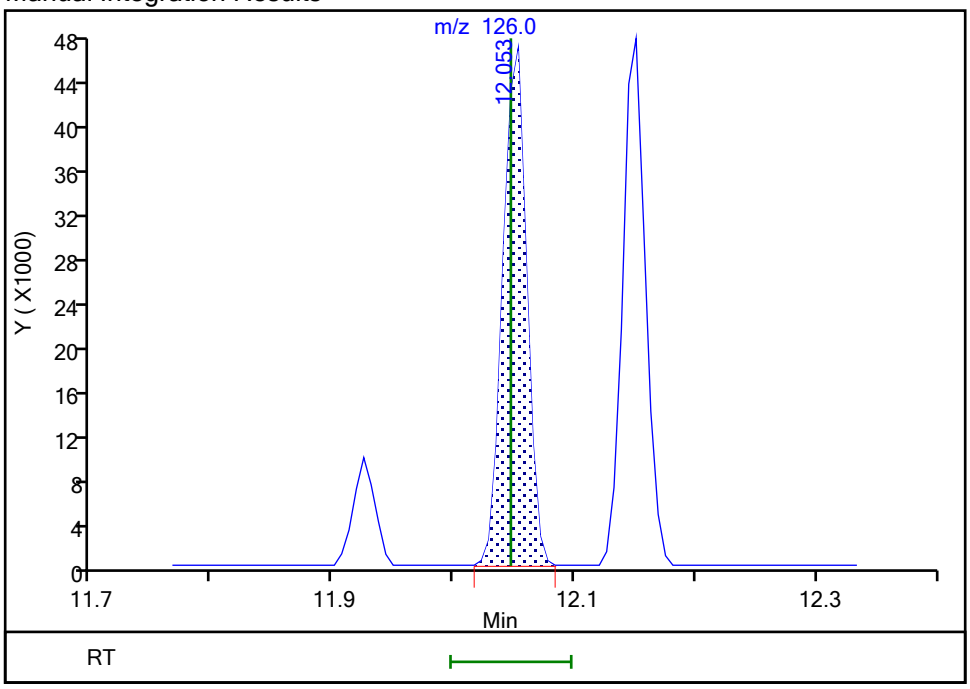
Not Detected
Expected RT: 12.05

Processing Integration Results



Manual Integration Results

RT: 12.05
Area: 63674
Amount: 9.560425
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 02:06:21 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

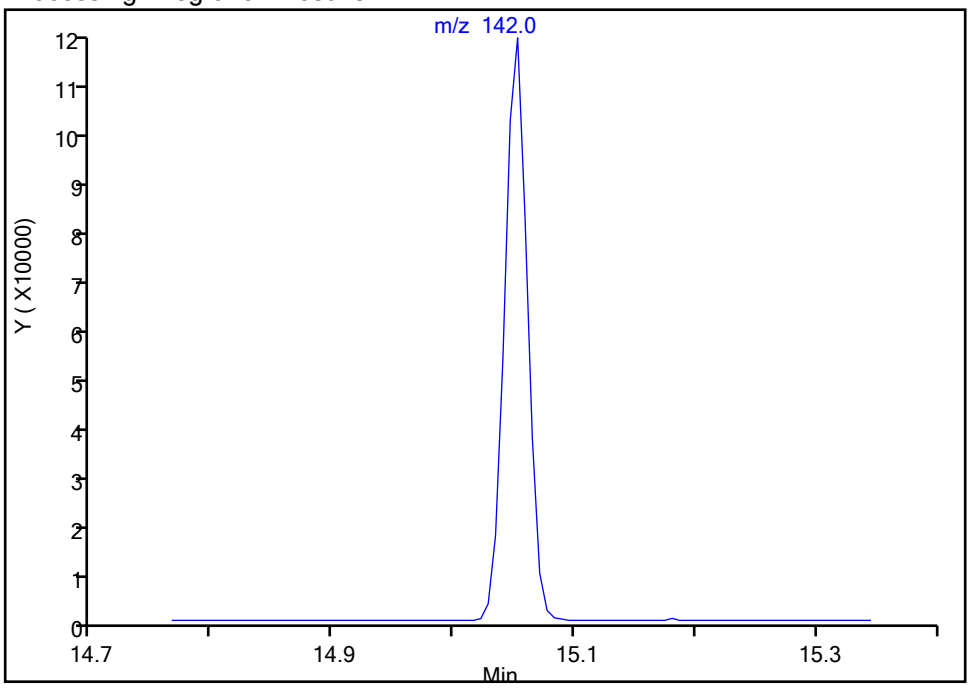
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X13.D
Injection Date: 21-May-2025 19:55:30 Instrument ID: 26285
Lims ID: IC v10
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

181 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

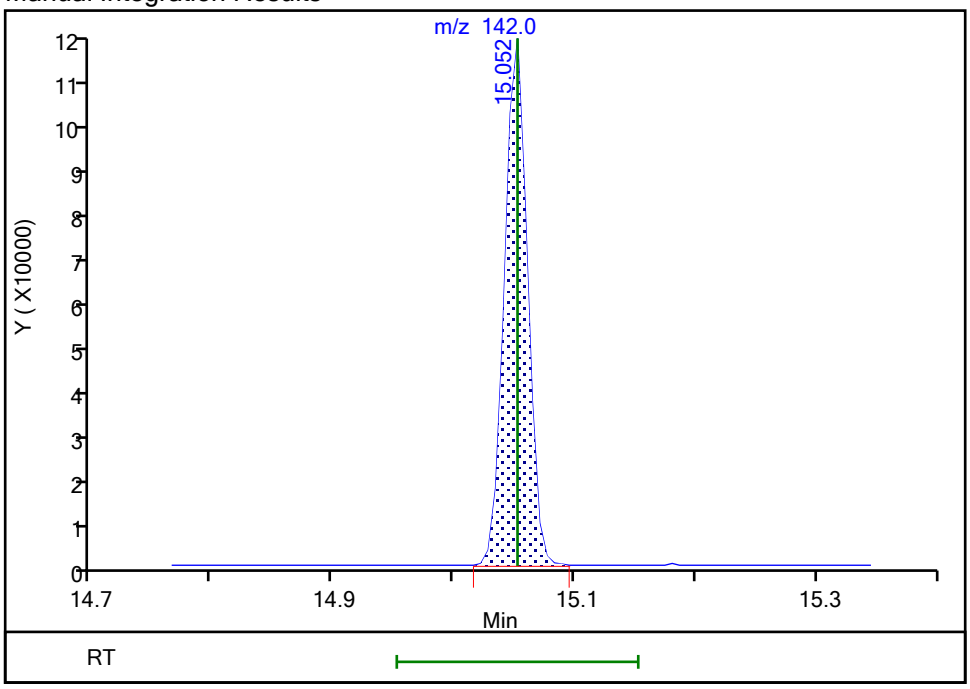
Not Detected
Expected RT: 15.05

Processing Integration Results



Manual Integration Results

RT: 15.05
Area: 155173
Amount: 9.956284
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 02:08:03 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X14.D
Lims ID: IC v20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 21-May-2025 20:15:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0147895-015
Misc. Info.: IC V20
Operator ID: knk41612 Instrument ID: 26285
Sublist: chrom-MSVoa_26285a*sub89

Method: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 22-May-2025 08:40:24 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1676

First Level Reviewer: JS6E Date: 22-May-2025 01:33:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.598	1.598	0.000	77	203859	20.0	18.9	
4 Chloromethane	50	1.768	1.768	0.000	99	261213	20.0	18.3	
5 Butadiene	39	1.835	1.842	-0.007	98	276610	20.0	18.7	
6 Vinyl chloride	62	1.866	1.866	0.000	98	222445	20.0	18.9	
9 Bromomethane	94	2.146	2.146	0.000	91	142749	20.0	18.7	
10 Chloroethane	64	2.177	2.177	0.000	98	120900	20.0	18.6	
11 Dichlorofluoromethane	67	2.378	2.384	-0.006	97	367527	20.0	18.3	
12 Pentane	43	2.451	2.451	0.000	96	229217	20.0	18.8	
13 Trichlorofluoromethane	101	2.469	2.463	0.006	97	229768	20.0	19.2	
15 Ethyl ether	59	2.628	2.622	0.006	96	119563	20.0	19.9	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.707	2.713	-0.006	96	186234	20.0	19.0	
17 Acrolein	56	2.774	2.768	0.006	98	478488	195.2	185.4	
18 1,1-Dichloroethene	96	2.884	2.884	0.000	94	115087	20.0	20.5	
19 Acetone	58	2.908	2.921	-0.013	96	49942	40.0	39.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.921	2.927	-0.006	92	122124	20.0	18.9	
21 Iodomethane	142	3.055	3.061	-0.006	100	220206	20.0	20.0	
22 Isopropyl alcohol	45	3.116	3.073	0.043	34	136041	100.0	91.1	
23 Carbon disulfide	76	3.134	3.128	0.006	100	465344	20.0	19.9	
25 Methyl acetate	43	3.262	3.256	0.006	99	190199	20.0	19.6	
26 3-Chloro-1-propene	41	3.274	3.274	0.000	90	268135	20.0	19.8	
28 Methylene Chloride	84	3.445	3.439	0.006	98	138016	20.0	19.2	
* 29 t-Butyl alcohol-d10 (IS)	65	3.494	3.500	-0.006	95	538238	250.0	250.0	
30 2-Methyl-2-propanol	59	3.610	3.591	0.019	99	228236	100.0	91.3	
31 Acrylonitrile	53	3.725	3.713	0.012	99	242825	50.0	48.5	
32 trans-1,2-Dichloroethene	96	3.774	3.768	0.006	93	124613	20.0	20.4	
33 Methyl tert-butyl ether	73	3.780	3.780	0.000	97	428178	20.0	19.6	
34 Hexane	57	4.158	4.152	0.006	97	142458	20.0	17.3	
36 1,1-Dichloroethane	63	4.396	4.390	0.006	96	263092	20.0	20.3	
38 Isopropyl ether	45	4.463	4.457	0.006	97	523684	20.0	20.0	
39 2-Chloro-1,3-butadiene	53	4.518	4.506	0.012	93	237585	20.0	20.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.036	5.030	0.006	99	456208	20.0	19.8	
42 2-Butanone (MEK)	43	5.274	5.268	0.006	74	263792	40.0	37.4	
43 cis-1,2-Dichloroethene	96	5.280	5.274	0.006	86	143976	20.0	20.0	
44 2,2-Dichloropropane	77	5.298	5.292	0.006	87	214745	20.0	20.4	
45 Propionitrile	54	5.371	5.371	0.000	95	204978	100.0	95.5	
46 Methyl acrylate	55	5.402	5.402	0.000	99	238260	20.0	19.3	
47 Methacrylonitrile	67	5.591	5.585	0.006	96	202045	50.0	46.7	
48 Chlorobromomethane	128	5.627	5.621	0.006	91	62628	20.0	19.6	
49 Tetrahydrofuran	71	5.640	5.634	0.006	92	160837	100.0	94.9	
50 Chloroform	83	5.792	5.792	0.000	95	238067	20.0	19.9	
52 1,1,1-Trichloroethane	97	6.018	6.011	0.007	98	207748	20.0	20.5	
$ 51 Dibromofluoromethane (Surr)	113	6.024	6.018	0.006	93	298112	50.0	50.1	
53 Cyclohexane	56	6.115	6.103	0.012	96	239506	20.0	18.8	
S 54 1,2-Dichloroethene, Total	100				0			40.3	
55 Carbon tetrachloride	117	6.231	6.231	0.000	95	168598	20.0	20.4	
56 1,1-Dichloropropene	75	6.243	6.237	0.006	95	195037	20.0	20.4	
57 Isobutyl alcohol	41	6.469	6.475	-0.006	74	183779	250.0	227.8	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.493	6.493	0.000	85	66215	50.0	50.0	
59 Benzene	78	6.517	6.517	0.000	96	562557	20.0	20.0	
60 1,2-Dichloroethane	62	6.603	6.597	0.006	97	182865	20.0	19.3	
62 Tert-amyl methyl ether	73	6.725	6.725	0.000	97	401645	20.0	19.5	
* 63 Fluorobenzene (IS)	96	6.944	6.944	0.000	97	1207238	50.0	50.0	
64 n-Heptane	43	6.969	6.969	0.000	98	121969	20.0	15.4	
65 n-Butanol	56	7.389	7.389	0.000	93	131911	250.0	221.9	
66 Trichloroethene	95	7.444	7.444	0.000	96	137055	20.0	20.3	
67 Ethyl acrylate	55	7.597	7.597	0.000	99	238998	20.0	19.3	
68 Methylcyclohexane	83	7.749	7.749	0.000	95	171453	20.0	15.6	
69 1,2-Dichloropropane	63	7.798	7.798	0.000	97	150942	20.0	19.7	
70 2-ethoxy-2-methyl butane	87	7.822	7.816	0.006	88	181835	20.0	19.7	
72 1,4-Dioxane	88	7.914	7.901	0.013	31	29060	250.0	234.2	
73 Dibromomethane	93	7.907	7.907	0.000	91	84141	20.0	19.4	
74 Methyl methacrylate	69	7.914	7.907	0.007	95	111100	20.0	18.3	
76 Dichlorobromomethane	83	8.163	8.164	-0.001	98	163426	20.0	19.2	
77 2-Nitropropane	41	8.462	8.462	0.000	98	295940	100.0	93.0	
78 2-Chloroethyl vinyl ether	63	8.566	8.560	0.006	91	94866	20.0	19.2	
79 cis-1,3-Dichloropropene	75	8.749	8.749	0.000	92	210103	20.0	19.4	
83 4-Methyl-2-pentanone (MIBK)	43	8.962	8.956	0.006	98	544675	40.0	38.3	
$ 84 Toluene-d8 (Surr)	98	9.090	9.090	0.000	95	1123641	50.0	50.0	
85 Toluene	92	9.182	9.176	0.006	97	316611	20.0	20.2	
86 trans-1,3-Dichloropropene	75	9.493	9.493	0.000	97	178290	20.0	19.2	
87 Ethyl methacrylate	69	9.578	9.572	0.006	93	205808	20.0	19.0	
88 1,1,2-Trichloroethane	97	9.718	9.712	0.006	92	103969	20.0	19.0	
89 Tetrachloroethene	166	9.797	9.791	0.006	94	113787	20.0	19.5	
91 1,3-Dichloropropane	76	9.895	9.889	0.006	96	179353	20.0	18.9	
92 2-Hexanone	43	9.968	9.968	0.000	99	369612	40.0	37.6	
S 98 1,3-Dichloropropene, Total	100				0			38.6	
100 Chlorodibromomethane	129	10.120	10.120	0.000	91	110767	20.0	19.1	
101 Ethylene Dibromide	107	10.230	10.230	0.000	98	107125	20.0	19.1	
* 128 Chlorobenzene-d5 (IS)	117	10.706	10.706	0.000	88	818115	50.0	50.0	
130 Chlorobenzene	112	10.736	10.730	0.006	91	317822	20.0	19.7	
129 1-Chlorohexane	91	10.730	10.730	0.000	71	141551	20.0	18.0	
131 1,1,1,2-Tetrachloroethane	131	10.828	10.828	0.000	96	120577	20.0	19.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
132 Ethylbenzene	91	10.834	10.834	0.000	99	618282	20.0	19.5	
133 m-Xylene & p-Xylene	106	10.962	10.962	0.000	99	453181	40.0	39.4	
S 135 Xylenes, Total	106				0			59.3	
134 n-Butyl acrylate	55	11.279	11.279	0.000	94	384767	20.0	21.0	
136 o-Xylene	106	11.309	11.309	0.000	97	236297	20.0	19.8	
137 Styrene	104	11.328	11.328	0.000	95	370835	20.0	19.9	
138 Bromoform	173	11.486	11.486	0.000	95	83375	20.0	19.2	
139 Isopropylbenzene	105	11.632	11.632	0.000	96	510365	20.0	18.9	
141 Cyclohexanone	55	11.705	11.705	0.000	96	304085	500.0	610.9	
$ 143 4-Bromofluorobenzene (Surr)	95	11.779	11.779	0.000	87	434782	50.0	49.7	
144 Bromobenzene	156	11.894	11.894	0.000	97	129511	20.0	19.9	
145 1,1,2,2-Tetrachloroethane	83	11.894	11.894	0.000	93	215972	20.0	19.1	
146 trans-1,4-Dichloro-2-butene	53	11.925	11.925	0.000	91	165529	50.0	48.4	
147 1,2,3-Trichloropropane	110	11.937	11.937	0.000	87	55847	20.0	19.4	
148 N-Propylbenzene	91	11.980	11.974	0.006	100	665649	20.0	18.7	
150 2-Chlorotoluene	126	12.053	12.047	0.006	95	129528	20.0	19.3	a
152 1,3,5-Trimethylbenzene	105	12.126	12.126	0.000	93	448047	20.0	18.6	
153 4-Chlorotoluene	126	12.151	12.151	0.000	99	123892	20.0	19.1	
154 tert-Butylbenzene	134	12.370	12.370	0.000	94	68094	20.0	17.4	
156 1,2,4-Trimethylbenzene	105	12.419	12.419	0.000	98	467722	20.0	18.8	
158 sec-Butylbenzene	105	12.547	12.541	0.006	95	489260	20.0	17.9	
159 1,3-Dichlorobenzene	146	12.638	12.638	0.000	97	231829	20.0	19.1	
160 4-Isopropyltoluene	119	12.657	12.657	0.000	97	414173	20.0	17.9	
* 163 1,4-Dichlorobenzene-d4	152	12.699	12.699	0.000	96	433148	50.0	50.0	
164 1,4-Dichlorobenzene	146	12.717	12.717	0.000	95	233823	20.0	19.1	
165 1,2,3-Trimethylbenzene	105	12.730	12.730	0.000	99	479457	20.0	18.7	
166 Benzyl chloride	91	12.803	12.797	0.006	99	422457	20.0	19.8	
167 1,3-Diethylbenzene	119	12.870	12.870	0.000	96	239090	20.0	18.3	
168 p-Diethylbenzene	119	12.943	12.943	0.000	92	248527	20.0	18.1	
169 n-Butylbenzene	92	12.961	12.961	0.000	97	208747	20.0	17.6	
171 1,2-Dichlorobenzene	146	12.986	12.986	0.000	96	239453	20.0	19.1	
172 o-diethylbenzene	119	13.016	13.016	0.000	97	200744	20.0	18.2	
173 1,2-Dibromo-3-Chloropropane	75	13.547	13.547	0.000	79	61830	20.0	19.9	
175 1,3,5-Trichlorobenzene	180	13.675	13.675	0.000	96	145150	20.0	18.3	
176 1,2,4-Trichlorobenzene	180	14.114	14.114	0.000	94	144277	20.0	18.5	
177 2-Ethylhexyl acrylate	55	14.193	14.187	0.006	83	245258	20.0	21.6	
178 Hexachlorobutadiene	225	14.199	14.199	0.000	92	43426	20.0	16.9	
179 Naphthalene	128	14.296	14.296	0.000	98	662642	20.0	19.1	
180 1,2,3-Trichlorobenzene	180	14.443	14.443	0.000	95	145527	20.0	18.6	
181 2-Methylnaphthalene	142	15.052	15.052	0.000	92	293173	20.0	18.7	a
S 213 Total Diethylbenzene	1				0			54.6	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MSV_CCV_CYC_00011	Amount Added:	16.00	Units: uL	
MSV_CCV_GASES_01023	Amount Added:	2.00	Units: uL	
MSV_CCV_VOC#3_00237	Amount Added:	3.20	Units: uL	
MSV_CCV_2CEVE_00228	Amount Added:	4.00	Units: uL	
MSV_CCV_EE_00009	Amount Added:	4.00	Units: uL	
MSV_CCV_VOC#1_00236	Amount Added:	4.00	Units: uL	
MSV_CCV_OH_Sp_00021	Amount Added:	4.00	Units: uL	
MSV_Cent_ISSS_00041	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-May-2025 08:40:24 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X14.D

Injection Date: 21-May-2025 20:15:30 Instrument ID: 26285 Operator ID: knk41612

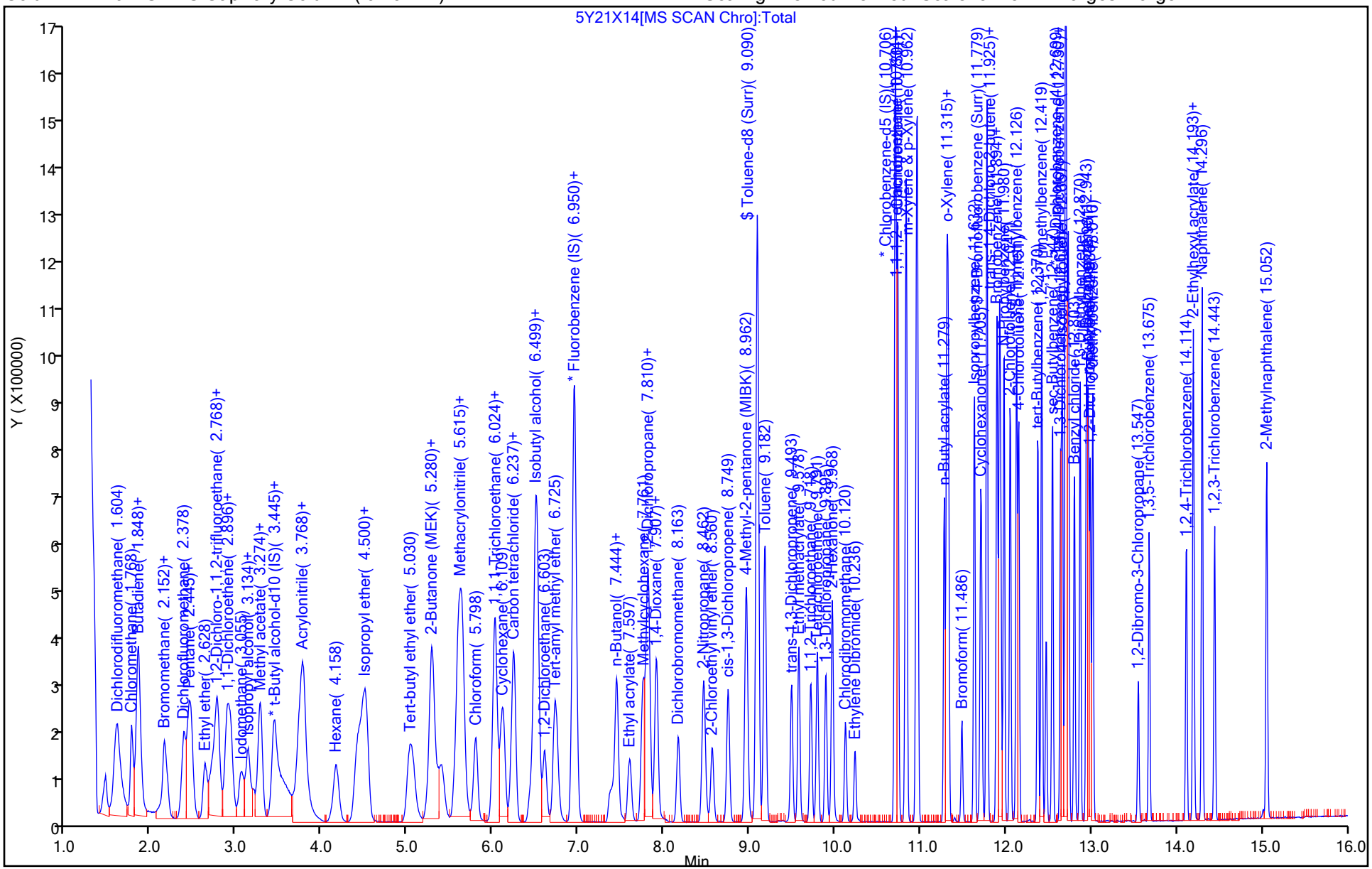
Lims ID: IC v20 Worklist Smp#: 15

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 14

Method: MSVoa_26285a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

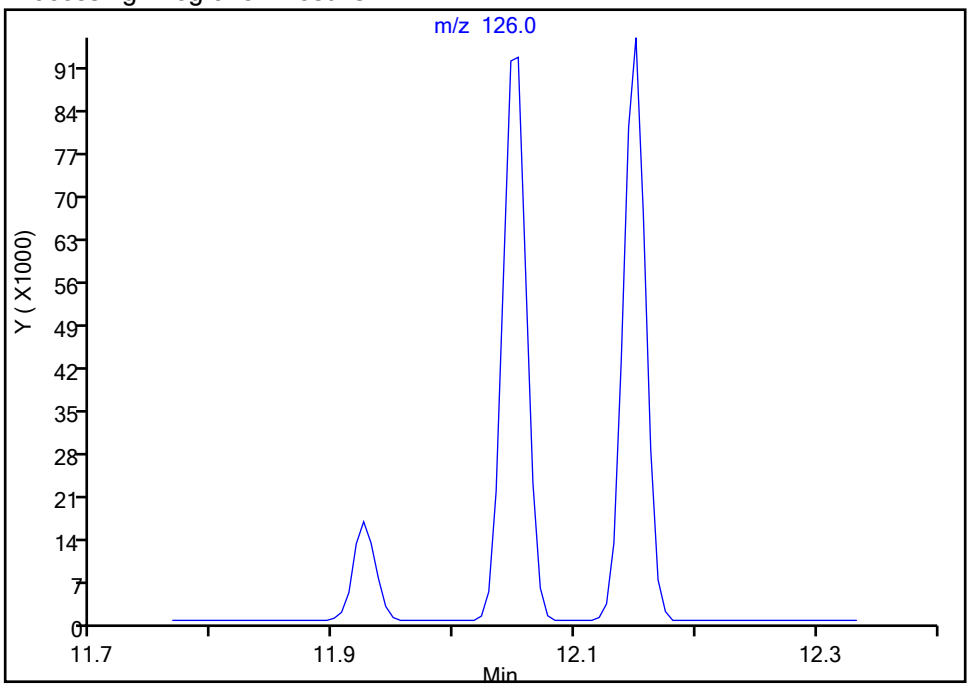
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X14.D
Injection Date: 21-May-2025 20:15:30 Instrument ID: 26285
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

150 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

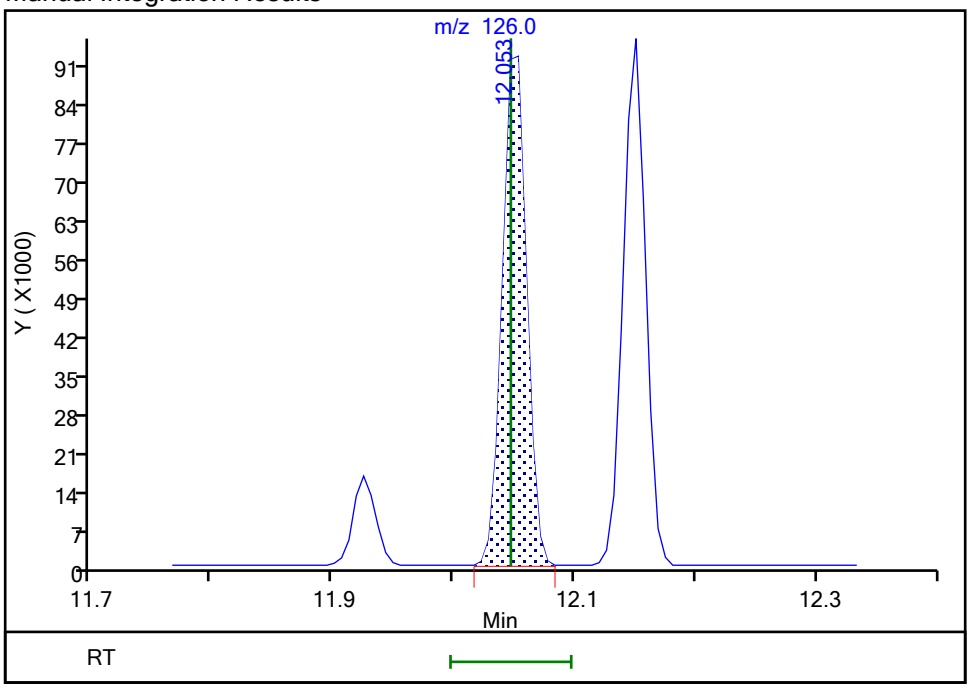
Not Detected
Expected RT: 12.05

Processing Integration Results



Manual Integration Results

RT: 12.05
Area: 129528
Amount: 19.345485
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 02:06:08 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

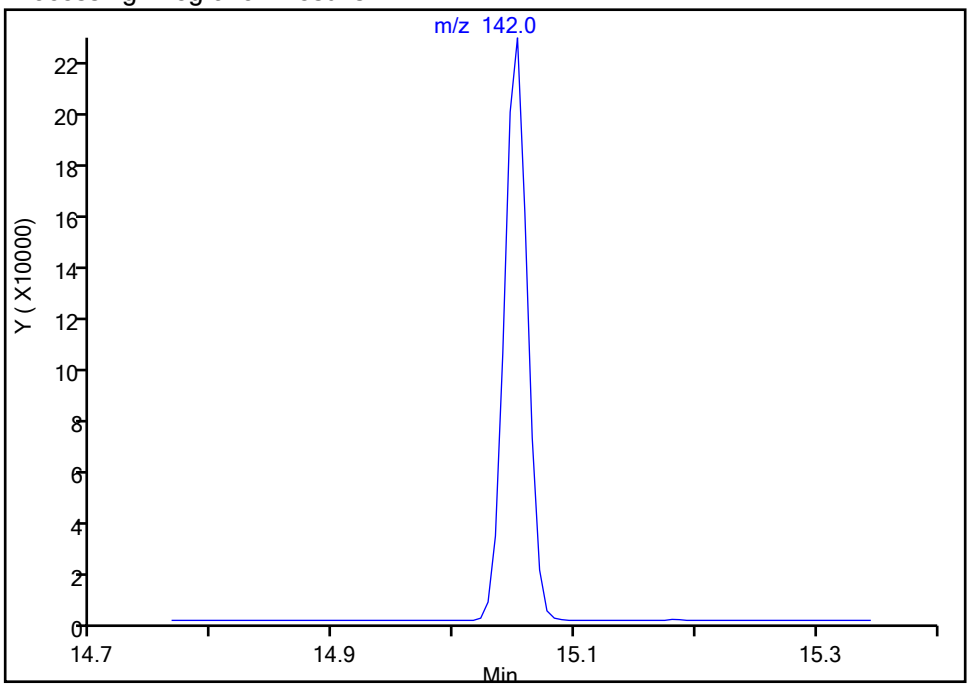
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X14.D
Injection Date: 21-May-2025 20:15:30 Instrument ID: 26285
Lims ID: IC v20
Client ID:
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

181 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

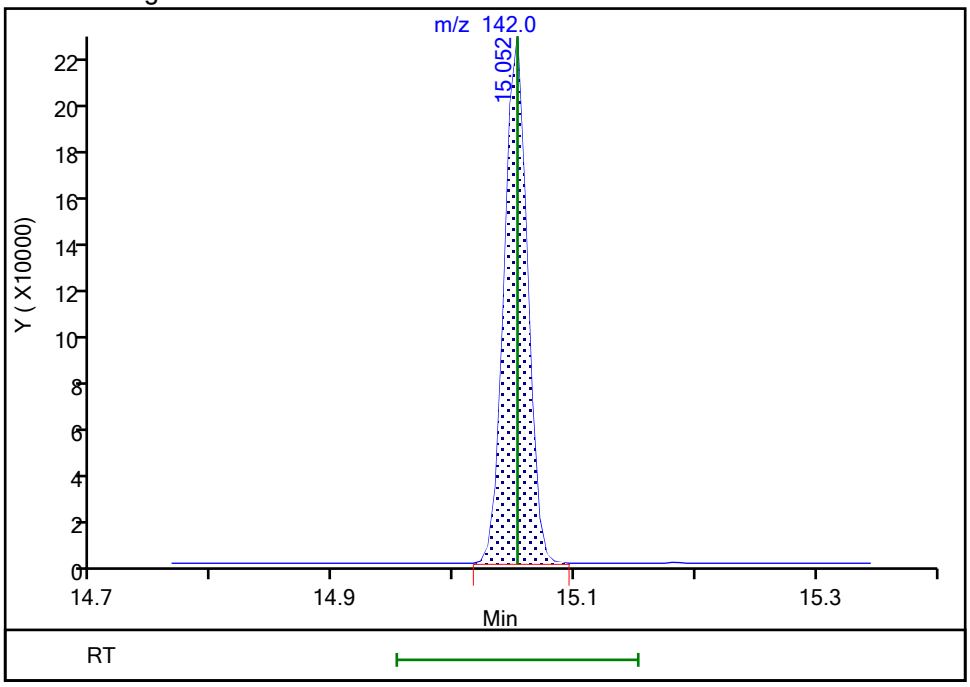
Not Detected
Expected RT: 15.05

Processing Integration Results



Manual Integration Results

RT: 15.05
Area: 293173
Amount: 18.711387
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 02:07:51 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X15.D
Lims ID: ICIS v50
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 21-May-2025 20:36:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0147895-016
Misc. Info.: ICIS V50
Operator ID: knk41612 Instrument ID: 26285
Sublist: chrom-MSVoa_26285a*sub89

Method: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 22-May-2025 08:40:29 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1676

First Level Reviewer: JS6E Date: 22-May-2025 01:20:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.598	1.598	0.000	99	609610	50.0	55.3	
4 Chloromethane	50	1.768	1.768	0.000	99	773790	50.0	53.0	
5 Butadiene	39	1.842	1.842	0.000	97	785880	50.0	51.9	
6 Vinyl chloride	62	1.866	1.866	0.000	98	635682	50.0	52.9	
9 Bromomethane	94	2.146	2.146	0.000	91	409102	50.0	52.3	
10 Chloroethane	64	2.177	2.177	0.000	99	347680	50.0	52.4	
11 Dichlorofluoromethane	67	2.384	2.384	0.000	97	1049460	50.0	51.1	
12 Pentane	43	2.451	2.451	0.000	96	793943	50.0	63.6	
13 Trichlorofluoromethane	101	2.463	2.463	0.000	97	672410	50.0	54.9	
15 Ethyl ether	59	2.622	2.622	0.000	96	322334	50.0	52.5	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.713	2.713	0.000	97	530962	50.0	52.9	
17 Acrolein	56	2.768	2.768	0.000	99	1311089	487.9	495.5	
18 1,1-Dichloroethene	96	2.884	2.884	0.000	94	323234	50.0	56.2	
19 Acetone	58	2.921	2.921	0.000	89	118630	100.0	91.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.927	2.927	0.000	94	400111	50.0	60.5	
21 Iodomethane	142	3.061	3.061	0.000	100	633219	50.0	56.1	
22 Isopropyl alcohol	45	3.073	3.073	0.000	43	388503	250.0	253.7	
23 Carbon disulfide	76	3.128	3.128	0.000	100	1367391	50.0	57.1	M
25 Methyl acetate	43	3.256	3.256	0.000	100	558925	50.0	56.3	
26 3-Chloro-1-propene	41	3.274	3.274	0.000	90	759373	50.0	54.9	
28 Methylene Chloride	84	3.439	3.439	0.000	98	396130	50.0	53.9	
* 29 t-Butyl alcohol-d10 (IS)	65	3.506	3.506	0.000	98	551887	250.0	250.0	
30 2-Methyl-2-propanol	59	3.591	3.591	0.000	98	672175	250.0	262.2	
31 Acrylonitrile	53	3.713	3.713	0.000	98	685238	125.0	133.8	
32 trans-1,2-Dichloroethene	96	3.768	3.768	0.000	93	350042	50.0	55.9	
33 Methyl tert-butyl ether	73	3.780	3.780	0.000	96	1200168	50.0	53.7	
34 Hexane	57	4.152	4.152	0.000	96	544168	50.0	64.7	
36 1,1-Dichloroethane	63	4.390	4.390	0.000	96	742926	50.0	55.9	
38 Isopropyl ether	45	4.457	4.457	0.000	98	1465934	50.0	54.6	
39 2-Chloro-1,3-butadiene	53	4.506	4.506	0.000	93	667019	50.0	56.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.030	5.030	0.000	99	1304838	50.0	55.2	
42 2-Butanone (MEK)	43	5.268	5.268	0.000	77	735914	100.0	102.0	
43 cis-1,2-Dichloroethene	96	5.274	5.274	0.000	86	409941	50.0	55.5	
44 2,2-Dichloropropane	77	5.292	5.292	0.000	90	603823	50.0	55.9	
45 Propionitrile	54	5.371	5.371	0.000	97	599678	250.0	272.6	
46 Methyl acrylate	55	5.402	5.402	0.000	99	633959	50.0	50.2	
47 Methacrylonitrile	67	5.585	5.585	0.000	96	598551	125.0	135.2	
48 Chlorobromomethane	128	5.621	5.621	0.000	91	182287	50.0	55.8	
49 Tetrahydrofuran	71	5.634	5.634	0.000	96	464662	250.0	267.3	
50 Chloroform	83	5.792	5.792	0.000	95	668591	50.0	54.6	
52 1,1,1-Trichloroethane	97	6.011	6.011	0.000	98	586840	50.0	56.6	
$ 51 Dibromofluoromethane (Surr)	113	6.018	6.018	0.000	78	303975	50.0	49.9	
53 Cyclohexane	56	6.103	6.103	0.000	96	804071	50.0	61.8	
55 Carbon tetrachloride	117	6.231	6.231	0.000	97	495328	50.0	58.5	
56 1,1-Dichloropropene	75	6.237	6.237	0.000	94	561289	50.0	57.3	
57 Isobutyl alcohol	41	6.475	6.475	0.000	96	540221	625.0	653.0	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.493	6.493	0.000	95	68307	50.0	50.4	
59 Benzene	78	6.517	6.517	0.000	98	1588340	50.0	55.2	
60 1,2-Dichloroethane	62	6.597	6.597	0.000	97	528758	50.0	54.6	
62 Tert-amyl methyl ether	73	6.725	6.725	0.000	97	1154391	50.0	54.6	
* 63 Fluorobenzene (IS)	96	6.944	6.944	0.000	97	1235887	50.0	50.0	
64 n-Heptane	43	6.969	6.969	0.000	95	488228	50.0	55.7	
65 n-Butanol	56	7.389	7.389	0.000	94	392341	625.0	643.6	
66 Trichloroethene	95	7.444	7.444	0.000	96	391249	50.0	56.7	
67 Ethyl acrylate	55	7.597	7.597	0.000	98	672034	50.0	53.0	
68 Methylcyclohexane	83	7.749	7.749	0.000	96	641867	50.0	54.9	
69 1,2-Dichloropropane	63	7.798	7.798	0.000	96	433818	50.0	55.2	
70 2-ethoxy-2-methyl butane	87	7.816	7.816	0.000	88	531292	50.0	56.2	
72 1,4-Dioxane	88	7.901	7.901	0.000	73	81146	625.0	637.9	
73 Dibromomethane	93	7.907	7.907	0.000	91	242341	50.0	54.7	
74 Methyl methacrylate	69	7.907	7.907	0.000	95	338331	50.0	54.4	
76 Dichlorobromomethane	83	8.164	8.164	0.000	98	488438	50.0	55.9	
77 2-Nitropropane	41	8.462	8.462	0.000	98	886103	250.0	271.5	
78 2-Chloroethyl vinyl ether	63	8.560	8.560	0.000	92	269186	50.0	53.3	
79 cis-1,3-Dichloropropene	75	8.749	8.749	0.000	93	627441	50.0	56.6	
83 4-Methyl-2-pentanone (MIBK)	43	8.956	8.956	0.000	98	1487899	100.0	102.1	
$ 84 Toluene-d8 (Surr)	98	9.090	9.090	0.000	95	1170558	50.0	49.5	
85 Toluene	92	9.176	9.176	0.000	97	914856	50.0	55.5	
86 trans-1,3-Dichloropropene	75	9.493	9.493	0.000	97	546899	50.0	55.8	
87 Ethyl methacrylate	69	9.572	9.572	0.000	93	609235	50.0	53.3	
88 1,1,2-Trichloroethane	97	9.712	9.712	0.000	92	313015	50.0	54.3	
89 Tetrachloroethene	166	9.791	9.791	0.000	94	350941	50.0	57.0	
91 1,3-Dichloropropane	76	9.889	9.889	0.000	97	543509	50.0	54.4	
92 2-Hexanone	43	9.968	9.968	0.000	99	1015154	100.0	98.1	
100 Chlorodibromomethane	129	10.120	10.120	0.000	91	340199	50.0	55.7	
101 Ethylene Dibromide	107	10.230	10.230	0.000	97	325411	50.0	55.0	
* 128 Chlorobenzene-d5 (IS)	117	10.706	10.706	0.000	88	861702	50.0	50.0	
130 Chlorobenzene	112	10.730	10.730	0.000	90	943604	50.0	55.4	
129 1-Chlorohexane	91	10.730	10.730	0.000	75	461956	50.0	55.7	
131 1,1,1,2-Tetrachloroethane	131	10.828	10.828	0.000	95	357939	50.0	55.0	
132 Ethylbenzene	91	10.834	10.834	0.000	99	1880904	50.0	56.3	
133 m-Xylene & p-Xylene	106	10.962	10.962	0.000	100	1358947	100.0	112.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
134 n-Butyl acrylate	55	11.279	11.279	0.000	95	975020	50.0	50.6	
136 o-Xylene	106	11.309	11.309	0.000	98	696056	50.0	55.4	
137 Styrene	104	11.328	11.328	0.000	95	1077851	50.0	54.8	
138 Bromoform	173	11.486	11.486	0.000	96	251372	50.0	55.1	
139 Isopropylbenzene	105	11.632	11.632	0.000	96	1641395	50.0	57.8	
141 Cyclohexanone	55	11.705	11.705	0.000	96	352019	624.9	689.7	
$ 143 4-Bromofluorobenzene (Surr)	95	11.779	11.779	0.000	88	448193	50.0	48.6	
144 Bromobenzene	156	11.894	11.894	0.000	96	376074	50.0	56.4	
145 1,1,2,2-Tetrachloroethane	83	11.894	11.894	0.000	93	619248	50.0	53.5	
146 trans-1,4-Dichloro-2-butene	53	11.925	11.925	0.000	90	469478	125.0	134.2	
147 1,2,3-Trichloropropane	110	11.937	11.937	0.000	86	157376	50.0	53.5	
148 N-Propylbenzene	91	11.974	11.974	0.000	100	2151390	50.0	59.1	
150 2-Chlorotoluene	126	12.047	12.047	0.000	95	389337	50.0	56.8	
152 1,3,5-Trimethylbenzene	105	12.126	12.126	0.000	93	1449133	50.0	58.8	
153 4-Chlorotoluene	126	12.151	12.151	0.000	98	373124	50.0	56.1	a
154 tert-Butylbenzene	134	12.370	12.370	0.000	94	235139	50.0	58.5	
156 1,2,4-Trimethylbenzene	105	12.419	12.419	0.000	98	1478410	50.0	58.0	
158 sec-Butylbenzene	105	12.541	12.541	0.000	95	1711016	50.0	61.0	
159 1,3-Dichlorobenzene	146	12.638	12.638	0.000	97	700280	50.0	56.2	
160 4-Isopropyltoluene	119	12.657	12.657	0.000	97	1424162	50.0	60.0	
* 163 1,4-Dichlorobenzene-d4	152	12.699	12.699	0.000	95	443394	50.0	50.0	
164 1,4-Dichlorobenzene	146	12.717	12.717	0.000	94	699501	50.0	55.9	a
165 1,2,3-Trimethylbenzene	105	12.730	12.730	0.000	99	1500373	50.0	57.3	a
166 Benzyl chloride	91	12.797	12.797	0.000	99	1194072	50.0	54.7	a
167 1,3-Diethylbenzene	119	12.870	12.870	0.000	95	792203	50.0	59.4	a
168 p-Diethylbenzene	119	12.943	12.943	0.000	93	830887	50.0	59.1	a
169 n-Butylbenzene	92	12.961	12.961	0.000	98	715762	50.0	59.1	
171 1,2-Dichlorobenzene	146	12.986	12.986	0.000	97	710157	50.0	55.4	
172 o-diethylbenzene	119	13.016	13.016	0.000	97	661210	50.0	58.6	a
173 1,2-Dibromo-3-Chloropropane	75	13.547	13.547	0.000	79	174331	50.0	54.8	
175 1,3,5-Trichlorobenzene	180	13.675	13.675	0.000	96	469207	50.0	57.7	
176 1,2,4-Trichlorobenzene	180	14.114	14.114	0.000	94	456459	50.0	57.3	
177 2-Ethylhexyl acrylate	55	14.187	14.187	0.000	82	620395	50.0	53.5	
178 Hexachlorobutadiene	225	14.199	14.199	0.000	93	159935	50.0	60.9	a
179 Naphthalene	128	14.296	14.296	0.000	97	1963654	50.0	55.2	
180 1,2,3-Trichlorobenzene	180	14.443	14.443	0.000	95	457022	50.0	57.0	
181 2-Methylnaphthalene	142	15.052	15.052	0.000	92	924036	50.0	57.6	a

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_CYC_00011	Amount Added:	10.00	Units: uL	
MSV_CCV_GASES_01023	Amount Added:	2.50	Units: uL	
MSV_CCV_VOC#3_00237	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00228	Amount Added:	5.00	Units: uL	
MSV_CCV_EE_00009	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#1_00236	Amount Added:	5.00	Units: uL	
MSV_CCV_OH_Sp_00021	Amount Added:	5.00	Units: uL	
MSV_Cent_ISSS_00041	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-May-2025 08:40:30 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X15.D

Injection Date: 21-May-2025 20:36:30 Instrument ID: 26285 Operator ID: knk41612

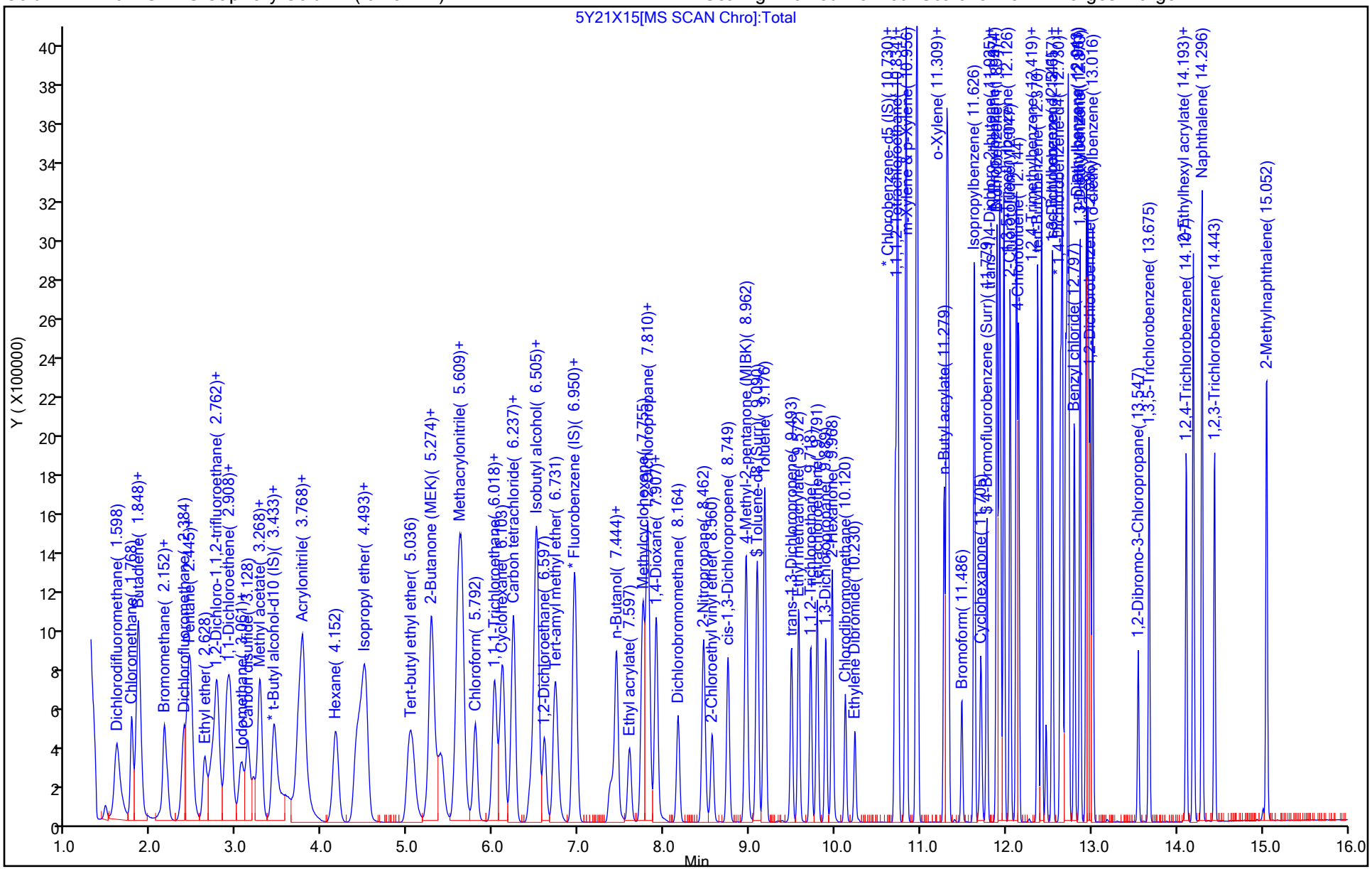
Lims ID: ICIS v50 Worklist Smp#: 16

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 15

Method: MSVoa_26285a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

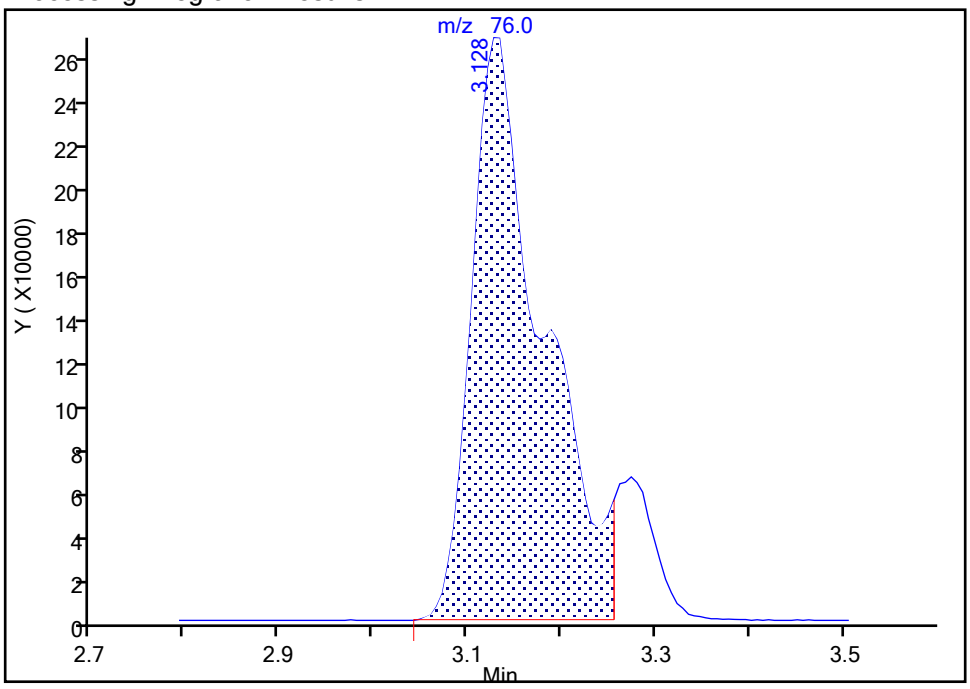
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X15.D
Injection Date: 21-May-2025 20:36:30 Instrument ID: 26285
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

23 Carbon disulfide, CAS: 75-15-0

Signal: 1

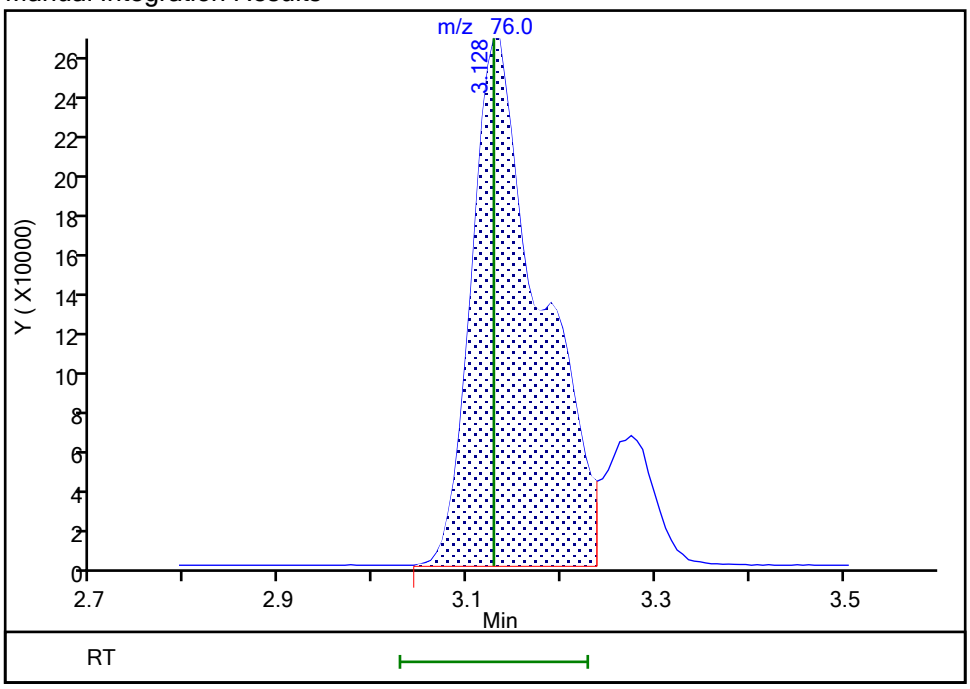
Processing Integration Results

RT: 3.13
Area: 1421190
Amount: 59.532112
Amount Units: ug/l



Manual Integration Results

RT: 3.13
Area: 1367391
Amount: 57.074301
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:16:31 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

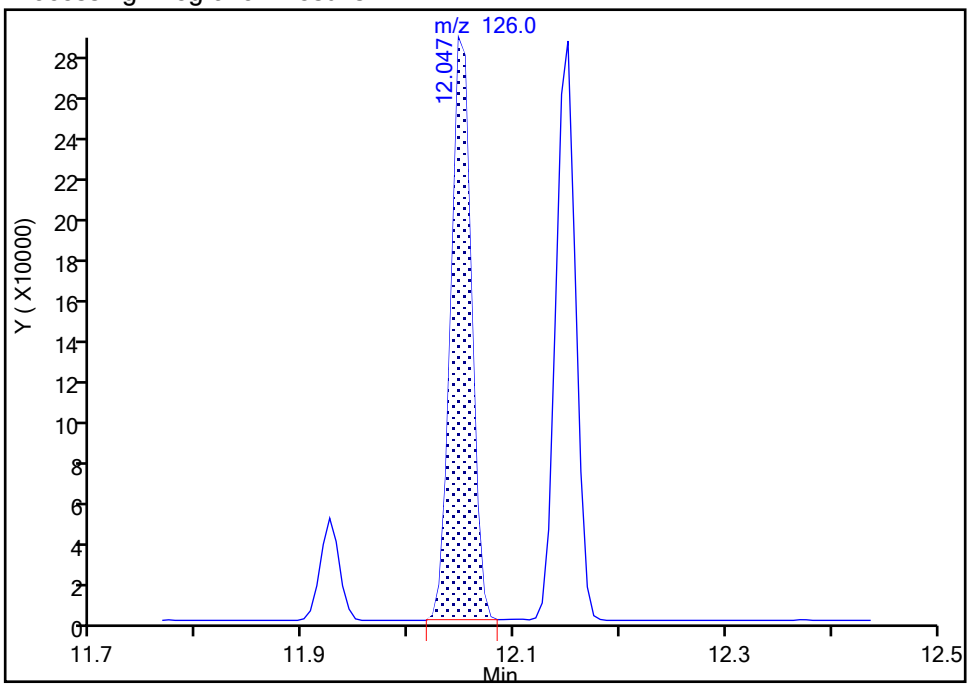
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X15.D
Injection Date: 21-May-2025 20:36:30 Instrument ID: 26285
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

153 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

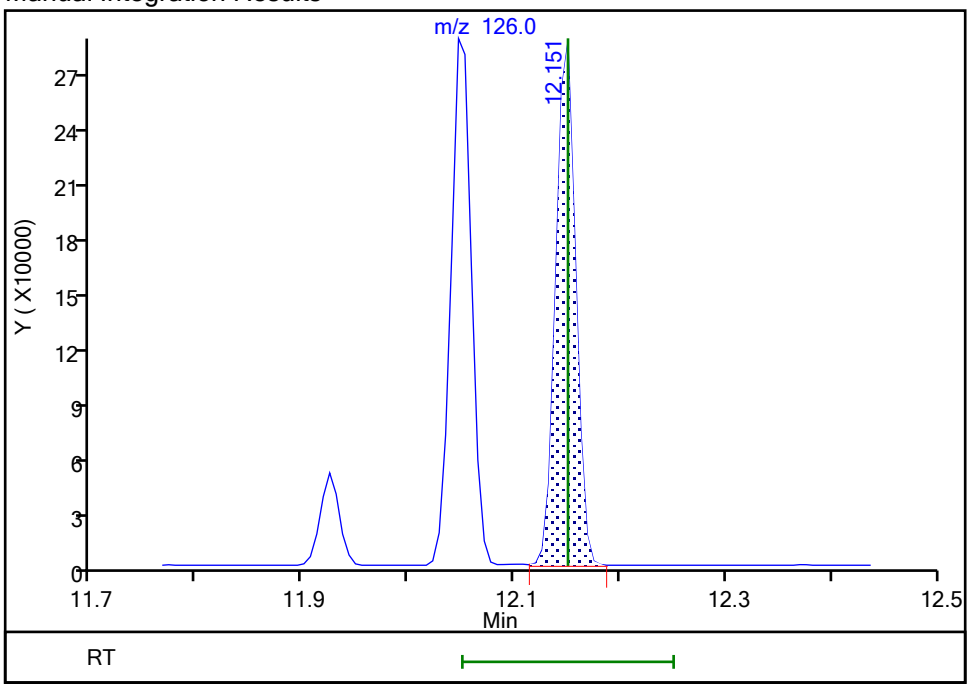
Processing Integration Results

RT: 12.05
Area: 389337
Amount: 56.805206
Amount Units: ug/l



Manual Integration Results

RT: 12.15
Area: 373124
Amount: 56.050781
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:28:38 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

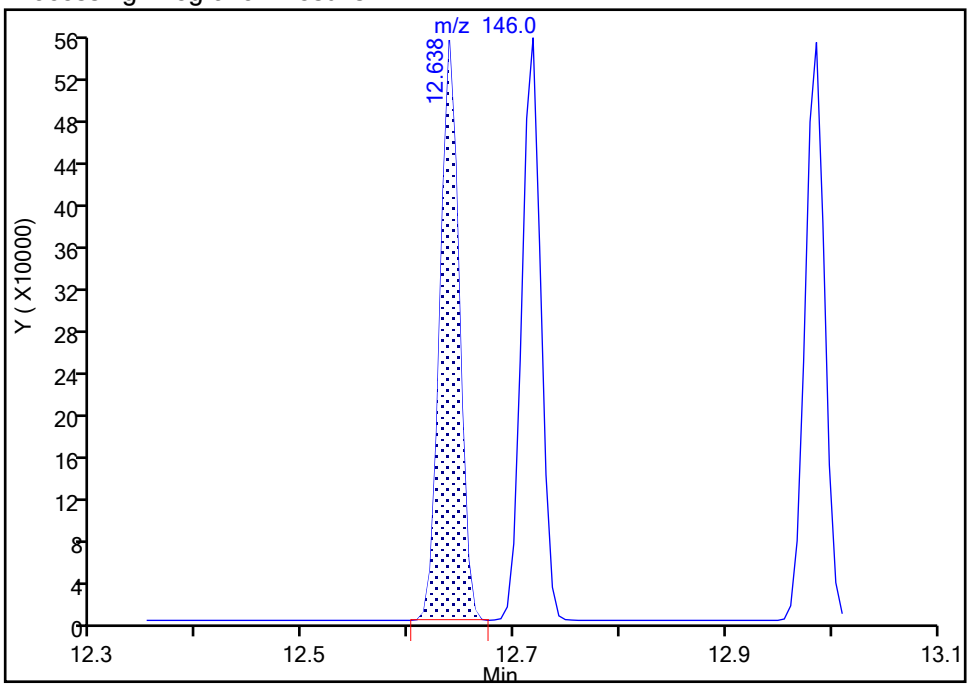
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X15.D
Injection Date: 21-May-2025 20:36:30 Instrument ID: 26285
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

164 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

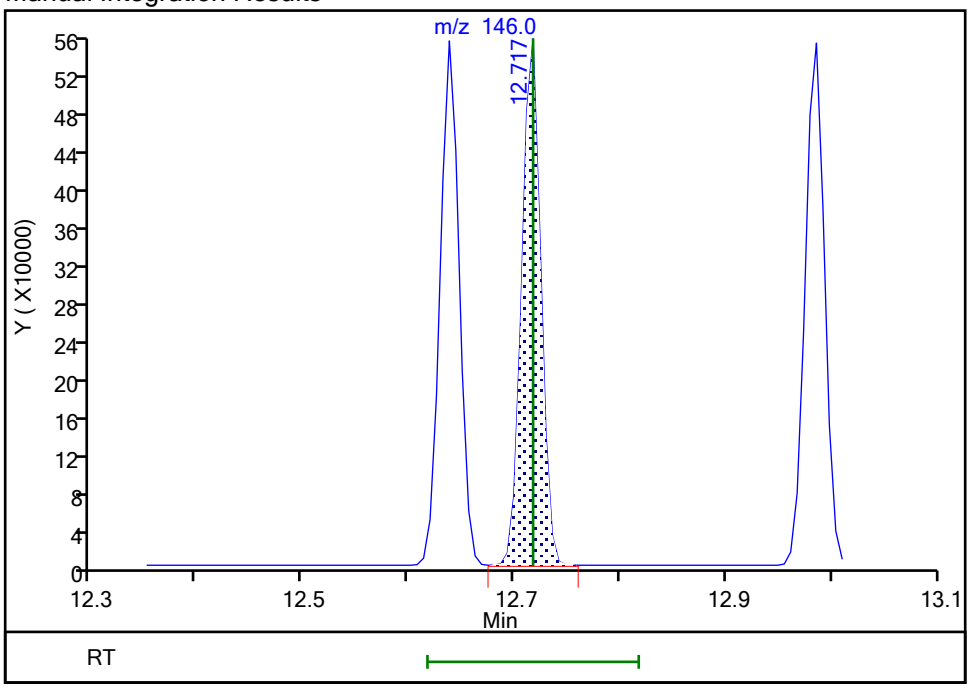
Processing Integration Results

RT: 12.64
Area: 700280
Amount: 56.228494
Amount Units: ug/l



Manual Integration Results

RT: 12.72
Area: 699501
Amount: 55.942367
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:18:06 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

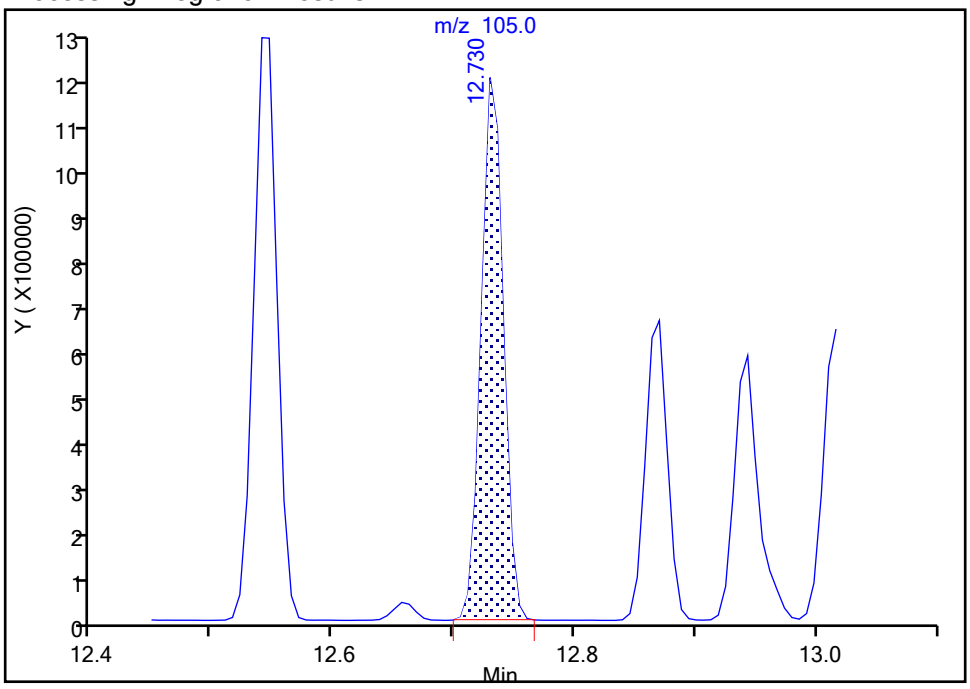
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X15.D
Injection Date: 21-May-2025 20:36:30 Instrument ID: 26285
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

165 1,2,3-Trimethylbenzene, CAS: 526-73-8

Signal: 1

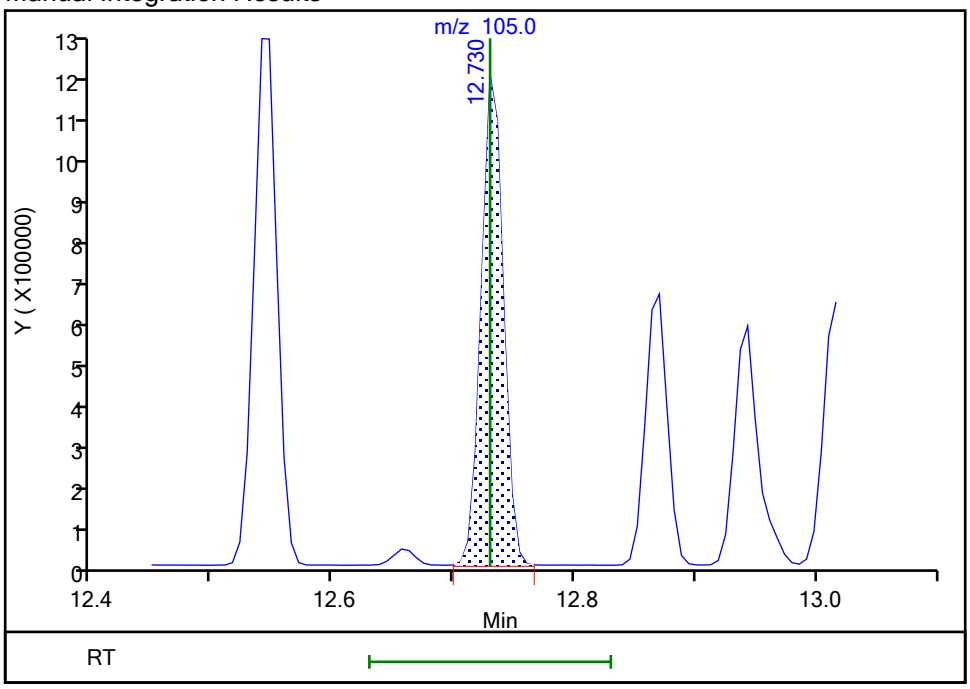
Processing Integration Results

RT: 12.73
Area: 1500373
Amount: 57.255852
Amount Units: ug/l



Manual Integration Results

RT: 12.73
Area: 1500373
Amount: 57.255852
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:19:39 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

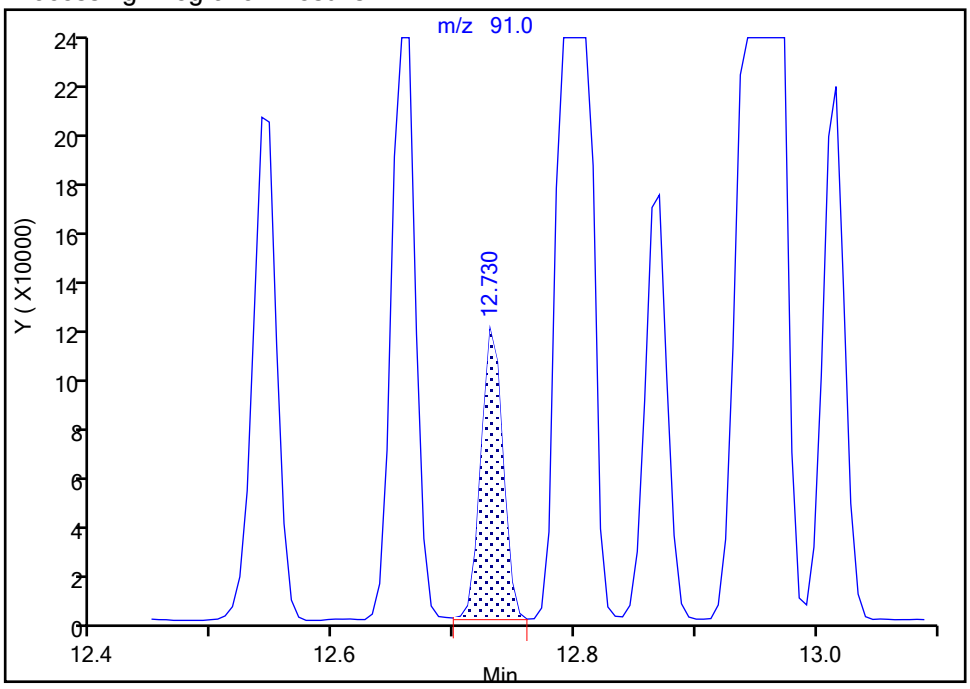
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X15.D
Injection Date: 21-May-2025 20:36:30 Instrument ID: 26285
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

166 Benzyl chloride, CAS: 100-44-7

Signal: 1

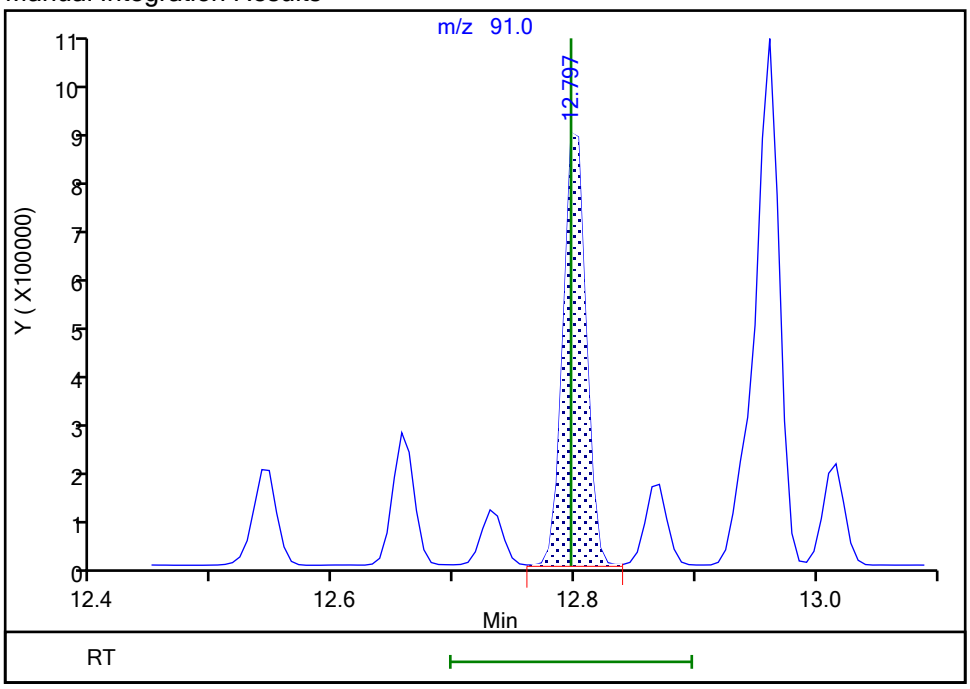
Processing Integration Results

RT: 12.73
Area: 147069
Amount: 55.861486
Amount Units: ug/l



Manual Integration Results

RT: 12.80
Area: 1194072
Amount: 54.718599
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:19:44 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

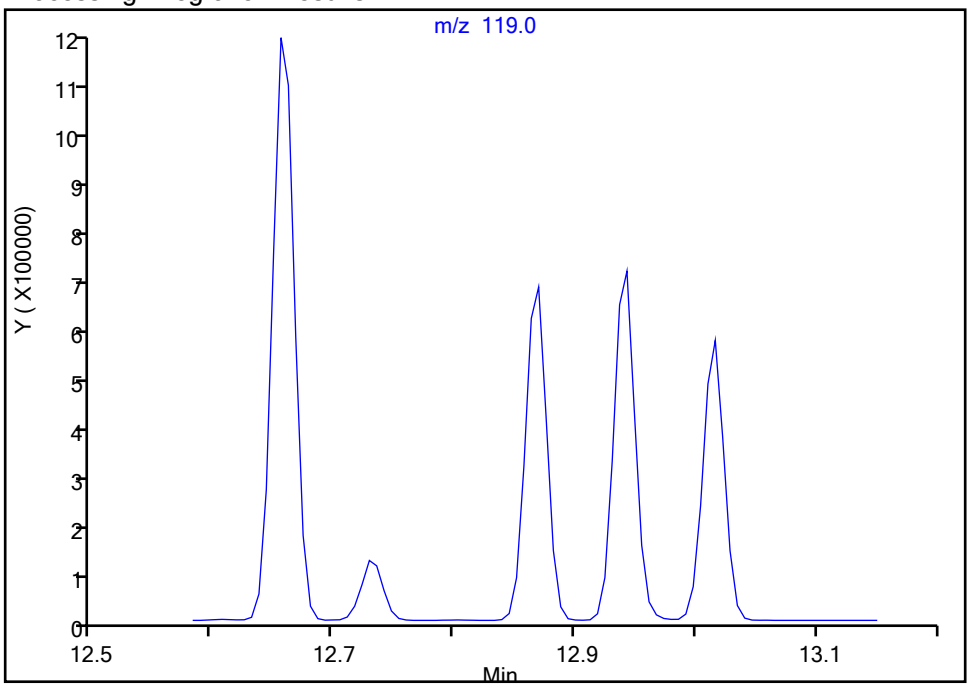
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X15.D
Injection Date: 21-May-2025 20:36:30 Instrument ID: 26285
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

167 1,3-Diethylbenzene, CAS: 141-93-5

Signal: 1

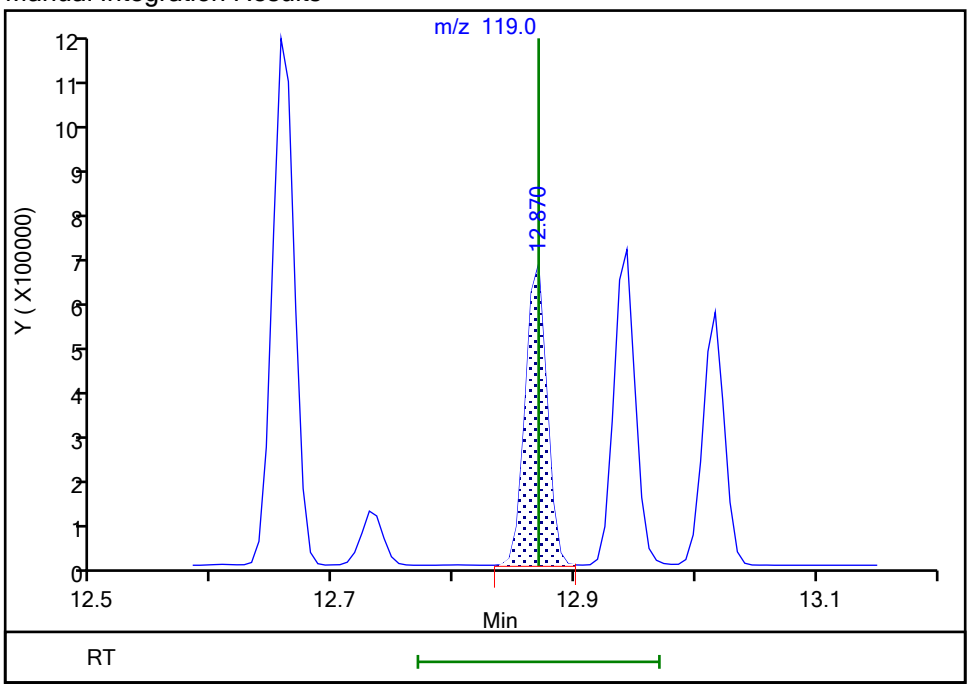
Not Detected
Expected RT: 12.87

Processing Integration Results



Manual Integration Results

RT: 12.87
Area: 792203
Amount: 59.369804
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:18:39 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

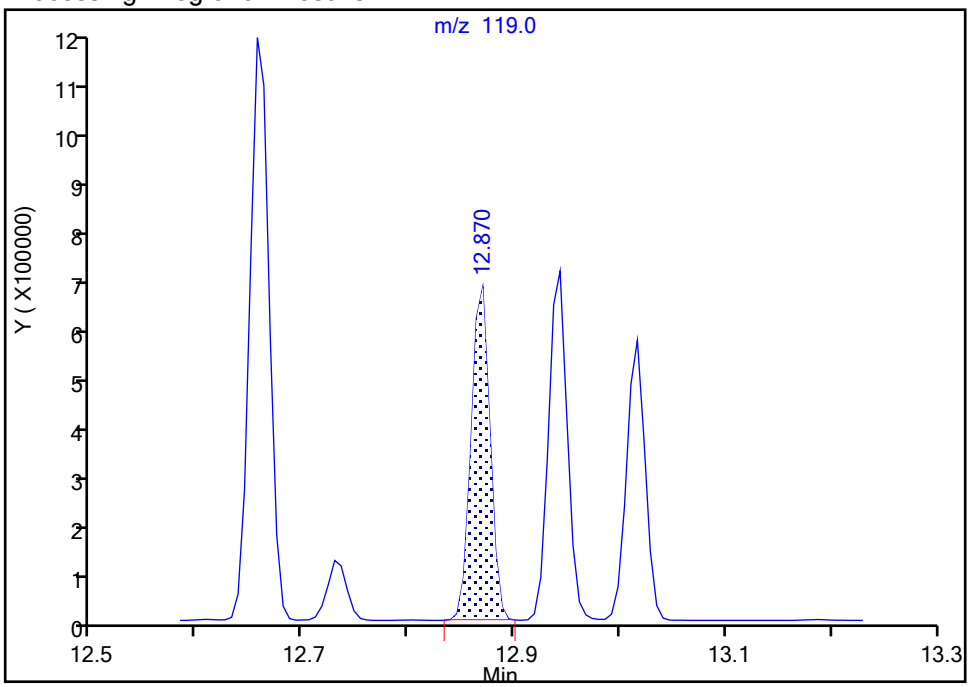
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X15.D
Injection Date: 21-May-2025 20:36:30 Instrument ID: 26285
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

168 p-Diethylbenzene, CAS: 105-05-5

Signal: 1

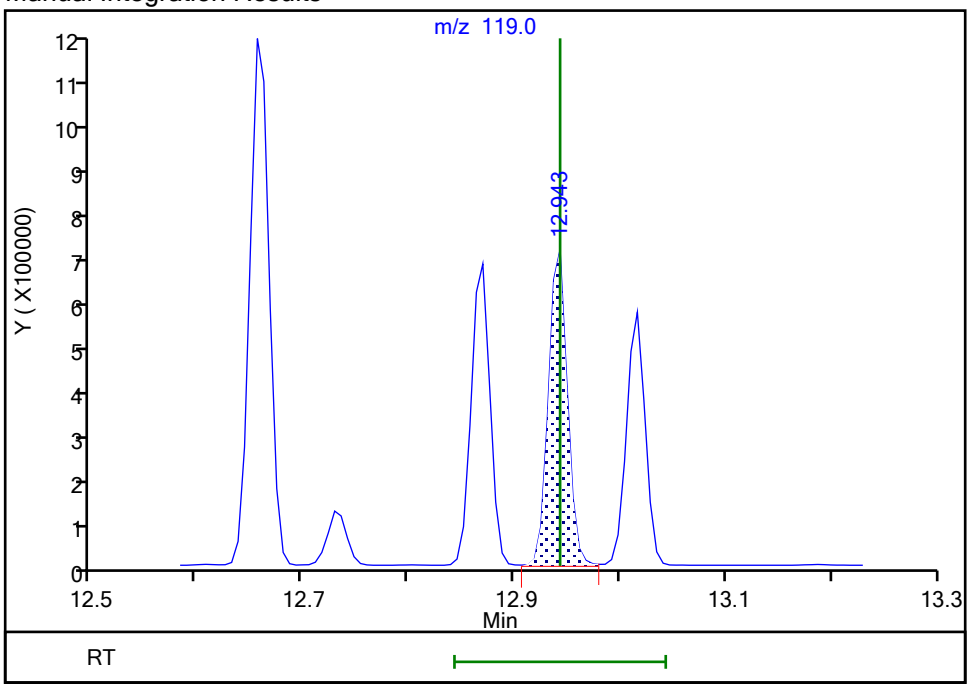
Processing Integration Results

RT: 12.87
Area: 792203
Amount: 59.369804
Amount Units: ug/l



Manual Integration Results

RT: 12.94
Area: 830887
Amount: 59.058492
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:18:50 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

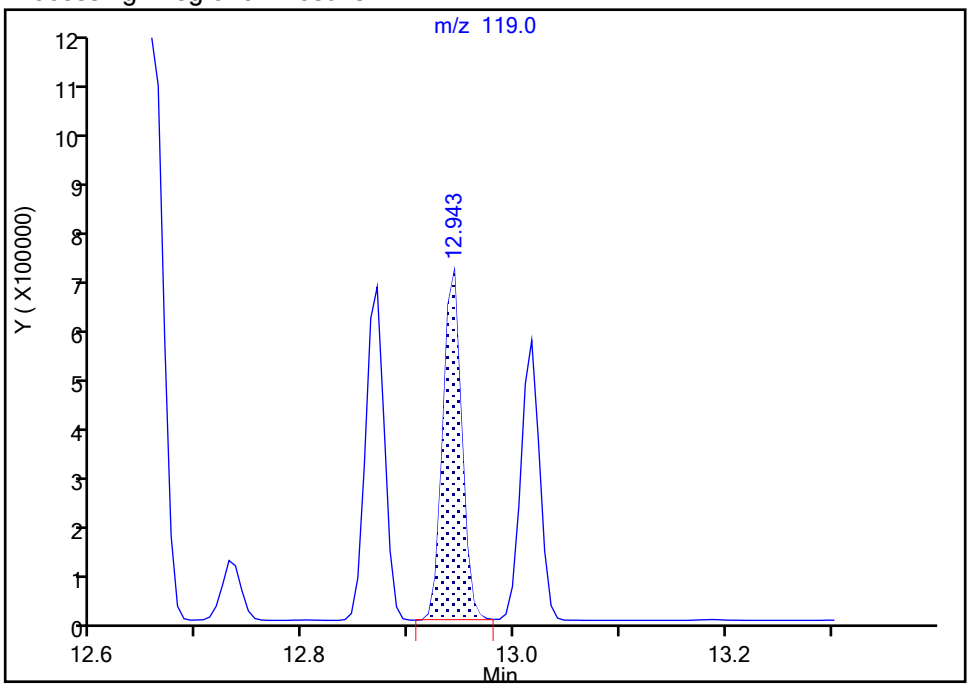
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X15.D
Injection Date: 21-May-2025 20:36:30 Instrument ID: 26285
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

172 o-diethylbenzene, CAS: 135-01-3

Signal: 1

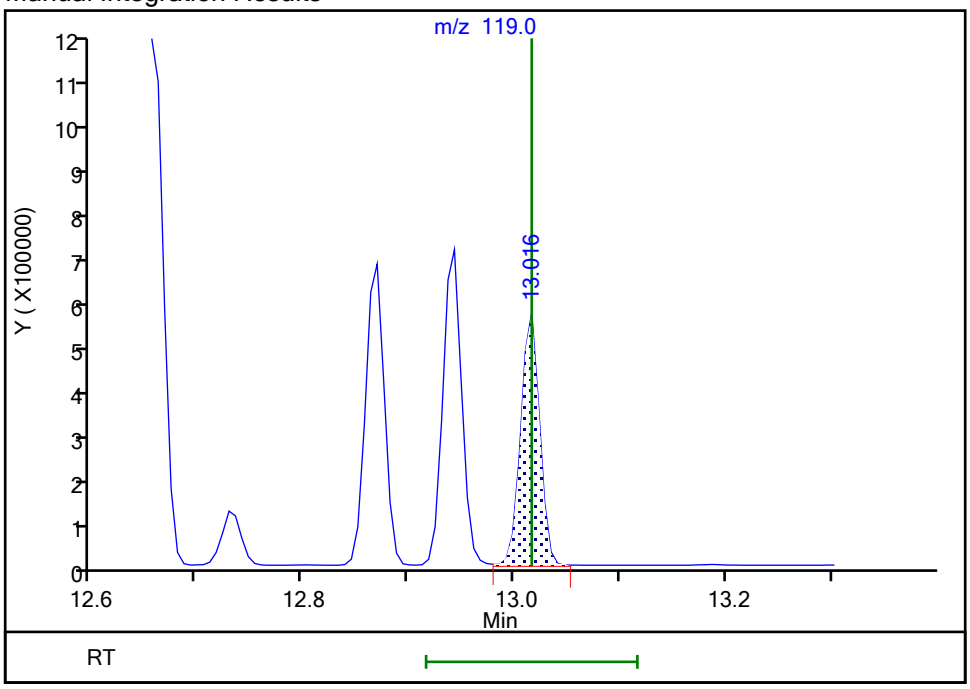
Processing Integration Results

RT: 12.94
Area: 830887
Amount: 59.058492
Amount Units: ug/l



Manual Integration Results

RT: 13.02
Area: 661210
Amount: 58.563829
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:18:54 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

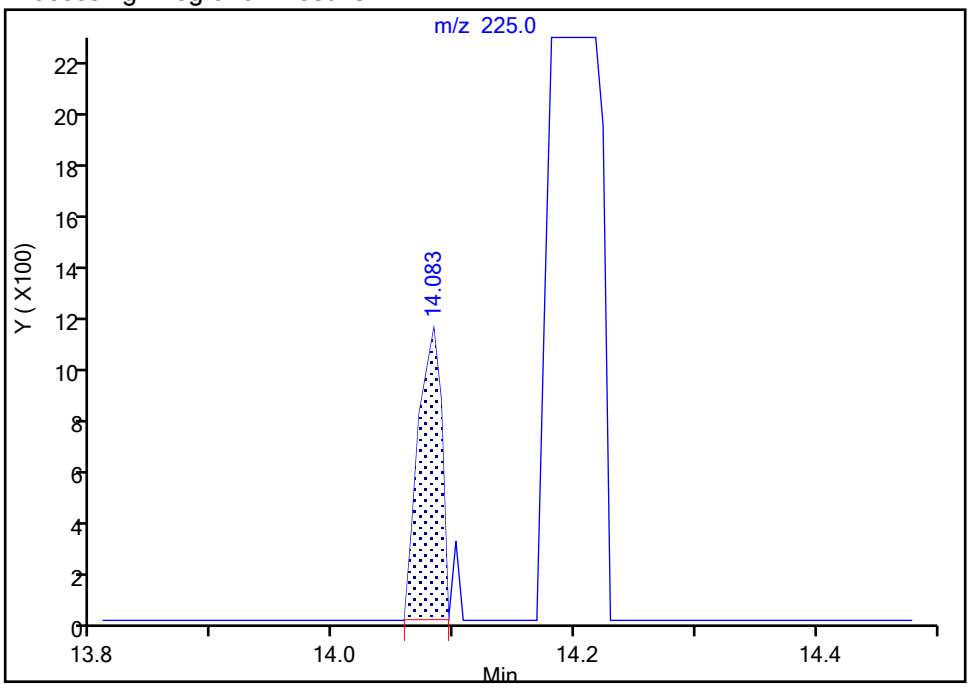
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X15.D
Injection Date: 21-May-2025 20:36:30 Instrument ID: 26285
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

178 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

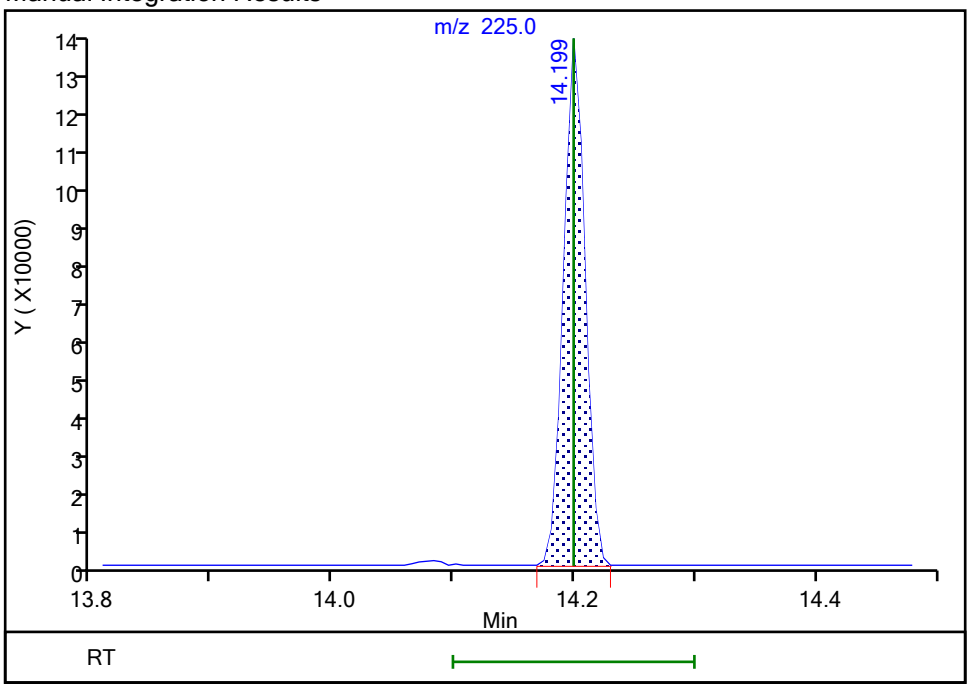
Processing Integration Results

RT: 14.08
Area: 1523
Amount: 1.172939
Amount Units: ug/l



Manual Integration Results

RT: 14.20
Area: 159935
Amount: 60.896679
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:20:24 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

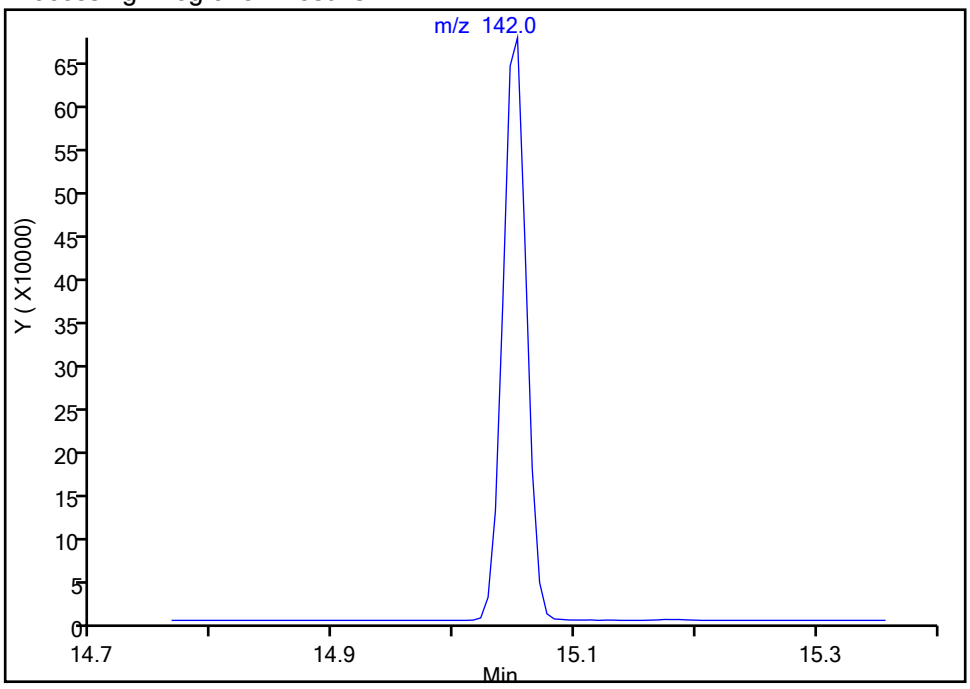
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X15.D
Injection Date: 21-May-2025 20:36:30 Instrument ID: 26285
Lims ID: ICIS v50
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

181 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

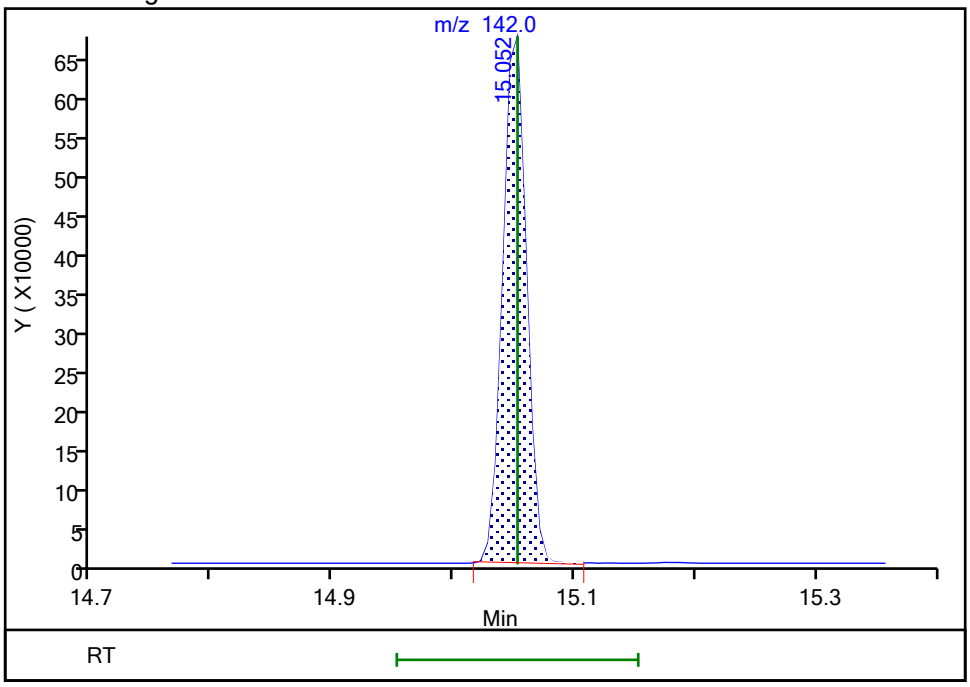
Not Detected
Expected RT: 15.05

Processing Integration Results



Manual Integration Results

RT: 15.05
Area: 924036
Amount: 57.612590
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 02:07:14 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X16.D
Lims ID: IC v100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 21-May-2025 20:56:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0147895-017
Misc. Info.: IC V100
Operator ID: knk41612 Instrument ID: 26285
Sublist: chrom-MSVoa_26285a*sub89

Method: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 22-May-2025 08:40:34 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1676

First Level Reviewer: JS6E Date: 22-May-2025 01:25:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.592	1.598	-0.006	99	1149449	100.0	104.1	
4 Chloromethane	50	1.762	1.768	-0.006	99	1486279	100.0	101.6	
5 Butadiene	39	1.836	1.842	-0.006	97	1498058	100.0	98.8	
6 Vinyl chloride	62	1.860	1.866	-0.006	98	1257789	100.0	104.5	
9 Bromomethane	94	2.140	2.146	-0.006	91	820330	100.0	104.7	
10 Chloroethane	64	2.177	2.177	0.000	99	683507	100.0	102.9	
11 Dichlorofluoromethane	67	2.372	2.384	-0.012	97	2086993	100.0	101.5	
12 Pentane	43	2.439	2.451	-0.012	97	1373144	100.0	109.9	
13 Trichlorofluoromethane	101	2.457	2.463	-0.006	98	1288234	100.0	105.1	
15 Ethyl ether	59	2.616	2.622	-0.006	96	609093	100.0	99.0	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.707	2.713	-0.006	96	1022410	100.0	101.8	
17 Acrolein	56	2.762	2.768	-0.006	98	2495846	975.8	939.9	
18 1,1-Dichloroethene	96	2.878	2.884	-0.006	94	591482	100.0	102.7	
19 Acetone	58	2.902	2.921	-0.019	84	252117	200.0	194.0	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.921	2.927	-0.006	94	710686	100.0	107.4	
21 Iodomethane	142	3.043	3.061	-0.018	99	1189143	100.0	105.3	
22 Isopropyl alcohol	45	3.085	3.073	0.012	96	723653	500.0	470.8	
23 Carbon disulfide	76	3.122	3.128	-0.006	100	2526343	100.0	105.3	M
25 Methyl acetate	43	3.250	3.256	-0.006	99	1017565	100.0	102.5	
26 3-Chloro-1-propene	41	3.268	3.274	-0.006	90	1386931	100.0	100.1	
28 Methylene Chloride	84	3.433	3.439	-0.006	99	738770	100.0	100.4	
* 29 t-Butyl alcohol-d10 (IS)	65	3.494	3.506	-0.012	93	553848	250.0	250.0	
30 2-Methyl-2-propanol	59	3.597	3.591	0.006	100	1321569	500.0	513.8	
31 Acrylonitrile	53	3.713	3.713	0.000	98	1263539	250.0	246.4	
32 trans-1,2-Dichloroethene	96	3.762	3.768	-0.006	94	637321	100.0	101.7	
33 Methyl tert-butyl ether	73	3.780	3.780	0.000	99	2269219	100.0	101.4	
34 Hexane	57	4.152	4.152	0.000	96	960455	100.0	114.1	
36 1,1-Dichloroethane	63	4.384	4.390	-0.006	96	1366300	100.0	102.7	
38 Isopropyl ether	45	4.457	4.457	0.000	97	2738734	100.0	101.9	
39 2-Chloro-1,3-butadiene	53	4.500	4.506	-0.006	93	1210701	100.0	102.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.030	5.030	0.000	100	2468547	100.0	104.3	
42 2-Butanone (MEK)	43	5.268	5.268	0.000	78	1459851	200.0	202.0	
43 cis-1,2-Dichloroethene	96	5.268	5.274	-0.006	86	754057	100.0	102.0	
44 2,2-Dichloropropane	77	5.286	5.292	-0.006	90	1124996	100.0	104.1	
45 Propionitrile	54	5.371	5.371	0.000	95	1132096	500.0	512.7	
46 Methyl acrylate	55	5.390	5.402	-0.012	99	1155024	100.0	91.4	
47 Methacrylonitrile	67	5.579	5.585	-0.006	97	1121912	250.0	253.2	
48 Chlorobromomethane	128	5.621	5.621	0.000	91	337711	100.0	103.3	
49 Tetrahydrofuran	71	5.634	5.634	0.000	91	892443	500.0	511.5	
50 Chloroform	83	5.786	5.792	-0.006	95	1242816	100.0	101.3	
52 1,1,1-Trichloroethane	97	6.012	6.011	0.001	98	1087546	100.0	104.8	
$ 51 Dibromofluoromethane (Surr)	113	6.012	6.018	-0.006	94	302311	50.0	49.6	
53 Cyclohexane	56	6.103	6.103	0.000	96	1448970	100.0	111.2	
S 54 1,2-Dichloroethene, Total	100				0			203.7	
55 Carbon tetrachloride	117	6.225	6.231	-0.006	96	917713	100.0	108.2	
56 1,1-Dichloropropene	75	6.237	6.237	0.000	95	1039281	100.0	105.9	
57 Isobutyl alcohol	41	6.463	6.475	-0.012	94	1064583	1250.0	1282.3	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.487	6.493	-0.006	88	67312	50.0	49.6	
59 Benzene	78	6.511	6.517	-0.006	98	2996020	100.0	104.0	
60 1,2-Dichloroethane	62	6.597	6.597	0.000	97	994756	100.0	102.6	
62 Tert-amyl methyl ether	73	6.725	6.725	0.000	98	2208123	100.0	104.4	
* 63 Fluorobenzene (IS)	96	6.944	6.944	0.000	98	1237278	50.0	50.0	
64 n-Heptane	43	6.963	6.969	-0.006	98	907559	100.0	102.1	
65 n-Butanol	56	7.389	7.389	0.000	93	784598	1250.0	1282.4	
66 Trichloroethene	95	7.438	7.444	-0.006	96	736308	100.0	106.7	
67 Ethyl acrylate	55	7.597	7.597	0.000	98	1264956	100.0	99.7	
68 Methylcyclohexane	83	7.749	7.749	0.000	96	1173004	100.0	99.4	
69 1,2-Dichloropropane	63	7.792	7.798	-0.006	96	818486	100.0	104.1	
70 2-ethoxy-2-methyl butane	87	7.816	7.816	0.000	88	995840	100.0	105.2	
72 1,4-Dioxane	88	7.901	7.901	0.000	82	166311	1250.0	1302.8	
73 Dibromomethane	93	7.908	7.907	0.001	94	457311	100.0	103.1	
74 Methyl methacrylate	69	7.908	7.907	0.001	94	648576	100.0	104.2	
76 Dichlorobromomethane	83	8.164	8.164	0.000	98	931360	100.0	106.5	
77 2-Nitropropane	41	8.462	8.462	0.000	98	1708835	500.0	521.7	
78 2-Chloroethyl vinyl ether	63	8.560	8.560	0.000	92	540726	100.0	107.0	
79 cis-1,3-Dichloropropene	75	8.743	8.749	-0.006	93	1209666	100.0	109.1	
83 4-Methyl-2-pentanone (MIBK)	43	8.956	8.956	0.000	98	3047733	200.0	208.8	
$ 84 Toluene-d8 (Surr)	98	9.090	9.090	0.000	95	1168550	50.0	49.2	
85 Toluene	92	9.176	9.176	0.000	97	1740966	100.0	105.3	
86 trans-1,3-Dichloropropene	75	9.486	9.493	-0.006	97	1055113	100.0	107.3	
87 Ethyl methacrylate	69	9.572	9.572	0.000	93	1151778	100.0	100.5	
88 1,1,2-Trichloroethane	97	9.712	9.712	0.000	91	604781	100.0	104.5	
89 Tetrachloroethene	166	9.791	9.791	0.000	95	670176	100.0	108.5	
91 1,3-Dichloropropane	76	9.889	9.889	0.000	96	1038492	100.0	103.5	
92 2-Hexanone	43	9.968	9.968	0.000	99	2098256	200.0	202.1	
S 98 1,3-Dichloropropene, Total	100				0			216.3	
100 Chlorodibromomethane	129	10.120	10.120	0.000	91	661614	100.0	107.9	
101 Ethylene Dibromide	107	10.230	10.230	0.000	98	616429	100.0	103.8	
* 128 Chlorobenzene-d5 (IS)	117	10.706	10.706	0.000	87	864681	50.0	50.0	
130 Chlorobenzene	112	10.730	10.730	0.000	90	1798410	100.0	105.3	
129 1-Chlorohexane	91	10.730	10.730	0.000	72	868259	100.0	104.4	
131 1,1,1,2-Tetrachloroethane	131	10.828	10.828	0.000	96	688661	100.0	105.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
132 Ethylbenzene	91	10.834	10.834	0.000	99	3567753	100.0	106.4	
133 m-Xylene & p-Xylene	106	10.956	10.962	-0.006	100	2596354	200.0	213.8	
S 135 Xylenes, Total	106				0			319.2	
134 n-Butyl acrylate	55	11.273	11.279	-0.006	95	1769253	100.0	91.5	
136 o-Xylene	106	11.309	11.309	0.000	98	1328437	100.0	105.4	
137 Styrene	104	11.321	11.328	-0.007	95	2048509	100.0	103.8	
138 Bromoform	173	11.480	11.486	-0.006	95	494279	100.0	107.9	
139 Isopropylbenzene	105	11.626	11.632	-0.006	96	3114070	100.0	109.3	
141 Cyclohexanone	55	11.706	11.705	0.001	96	730542	1249.9	1426.3	
$ 143 4-Bromofluorobenzene (Surr)	95	11.773	11.779	-0.006	87	447798	50.0	48.4	
144 Bromobenzene	156	11.895	11.894	0.001	97	720284	100.0	109.7	
145 1,1,2,2-Tetrachloroethane	83	11.895	11.894	0.001	93	1186404	100.0	104.1	
146 trans-1,4-Dichloro-2-butene	53	11.925	11.925	0.000	89	870820	250.0	252.7	
147 1,2,3-Trichloropropane	110	11.937	11.937	0.000	84	297960	100.0	102.9	
148 N-Propylbenzene	91	11.974	11.974	0.000	100	4067892	100.0	113.5	
150 2-Chlorotoluene	126	12.047	12.047	0.000	95	746539	100.0	110.6	a
152 1,3,5-Trimethylbenzene	105	12.120	12.126	-0.006	93	2798218	100.0	115.3	
153 4-Chlorotoluene	126	12.151	12.151	0.000	99	703859	100.0	107.4	a
154 tert-Butylbenzene	134	12.370	12.370	0.000	94	462491	100.0	116.9	
156 1,2,4-Trimethylbenzene	105	12.419	12.419	0.000	98	2821965	100.0	112.4	
158 sec-Butylbenzene	105	12.541	12.541	0.000	95	3321066	100.0	120.3	
159 1,3-Dichlorobenzene	146	12.638	12.638	0.000	97	1317120	100.0	107.4	
160 4-Isopropyltoluene	119	12.657	12.657	0.000	97	2758311	100.0	118.0	
* 163 1,4-Dichlorobenzene-d4	152	12.699	12.699	0.000	94	436644	50.0	50.0	
164 1,4-Dichlorobenzene	146	12.718	12.717	0.001	93	1311147	100.0	106.5	
165 1,2,3-Trimethylbenzene	105	12.730	12.730	0.000	100	2923450	100.0	113.3	
166 Benzyl chloride	91	12.797	12.797	0.000	99	2256120	100.0	105.0	
167 1,3-Diethylbenzene	119	12.870	12.870	0.000	95	1525322	100.0	116.1	
168 p-Diethylbenzene	119	12.943	12.943	0.000	93	1595837	100.0	115.2	
169 n-Butylbenzene	92	12.961	12.961	0.000	98	1364147	100.0	114.3	
171 1,2-Dichlorobenzene	146	12.986	12.986	0.000	97	1351178	100.0	107.1	
172 o-diethylbenzene	119	13.016	13.016	0.000	97	1297755	100.0	116.7	
173 1,2-Dibromo-3-Chloropropane	75	13.547	13.547	0.000	79	344824	100.0	110.2	
175 1,3,5-Trichlorobenzene	180	13.675	13.675	0.000	97	891038	100.0	111.2	
176 1,2,4-Trichlorobenzene	180	14.108	14.114	-0.006	94	877350	100.0	111.8	
177 2-Ethylhexyl acrylate	55	14.187	14.187	0.000	83	1146538	99.9	100.3	
178 Hexachlorobutadiene	225	14.199	14.199	0.000	94	310177	100.0	119.9	
179 Naphthalene	128	14.297	14.296	0.000	97	3829510	100.0	109.3	
180 1,2,3-Trichlorobenzene	180	14.443	14.443	0.000	95	892676	100.0	113.0	
181 2-Methylnaphthalene	142	15.052	15.052	0.000	92	1866356	100.0	118.2	a
S 213 Total Diethylbenzene	1				0			348.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_CYC_00011	Amount Added:	10.00	Units: uL	
MSV_CCV_GASES_01023	Amount Added:	2.50	Units: uL	
MSV_CCV_VOC#3_00237	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00228	Amount Added:	5.00	Units: uL	
MSV_CCV_EE_00009	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#1_00236	Amount Added:	5.00	Units: uL	
MSV_CCV_OH_Sp_00021	Amount Added:	5.00	Units: uL	
MSV_Cent_ISSS_00041	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-May-2025 08:40:35 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X16.D

Injection Date: 21-May-2025 20:56:30 Instrument ID: 26285 Operator ID: knk41612

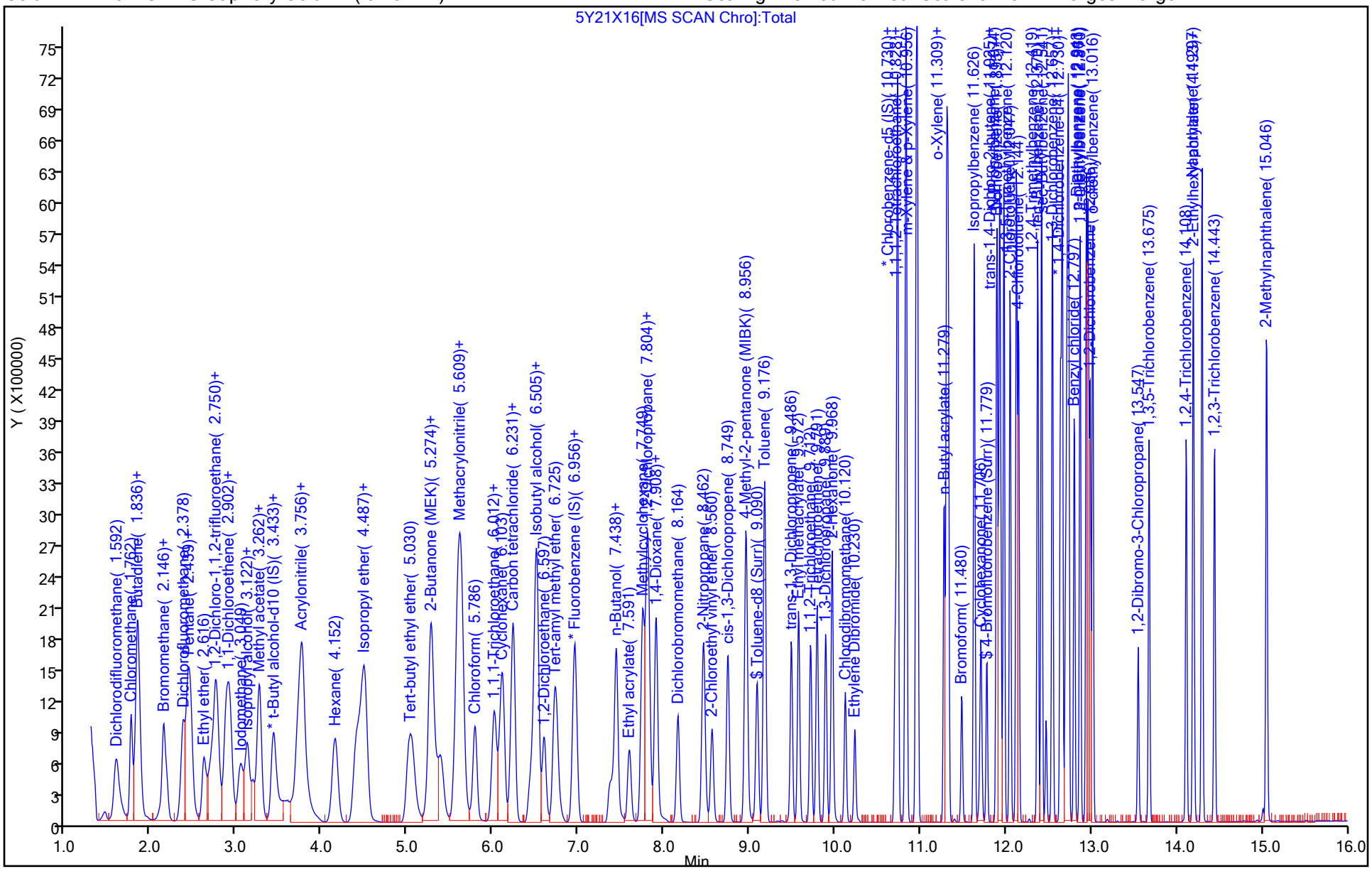
Lims ID: IC v100 Worklist Smp#: 17

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 16

Method: MSVoa_26285a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

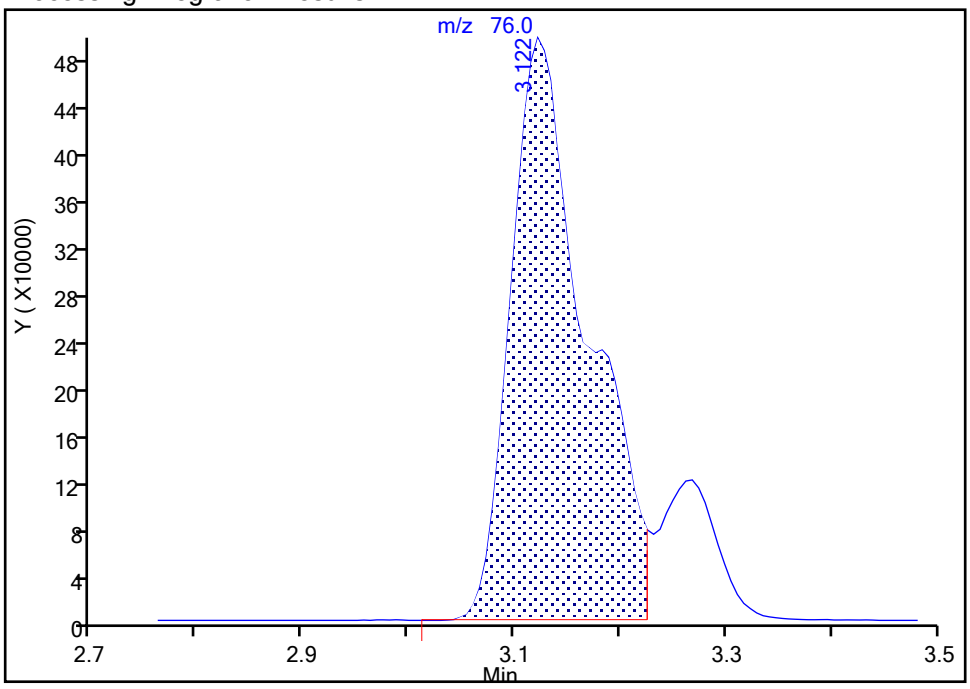
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X16.D
Injection Date: 21-May-2025 20:56:30 Instrument ID: 26285
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

23 Carbon disulfide, CAS: 75-15-0

Signal: 1

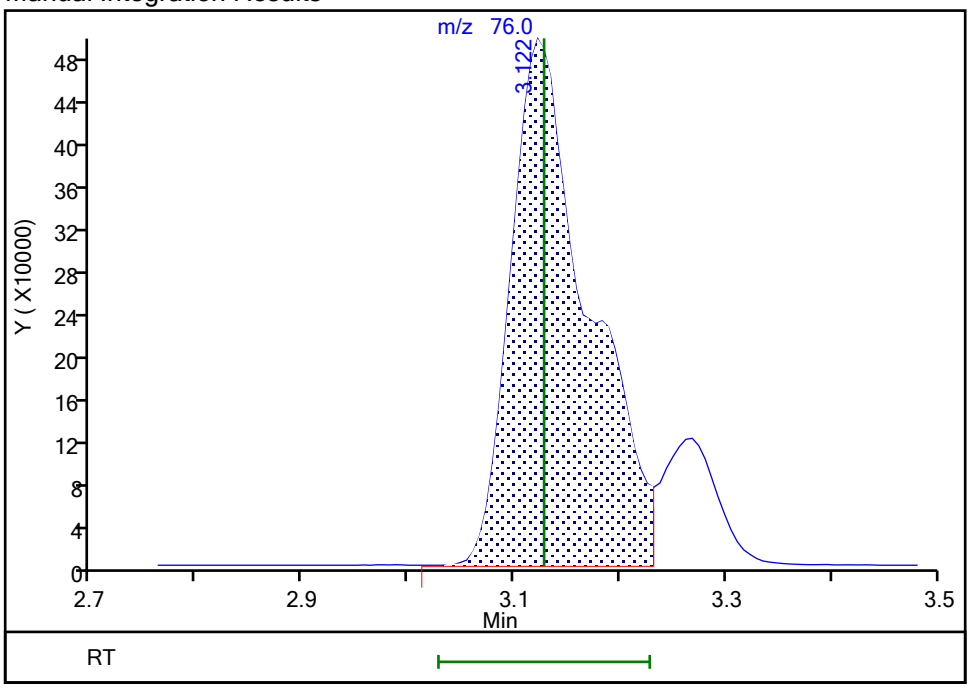
Processing Integration Results

RT: 3.12
Area: 2499755
Amount: 105.2721
Amount Units: ug/l



Manual Integration Results

RT: 3.12
Area: 2526343
Amount: 105.3299
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:25:04 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

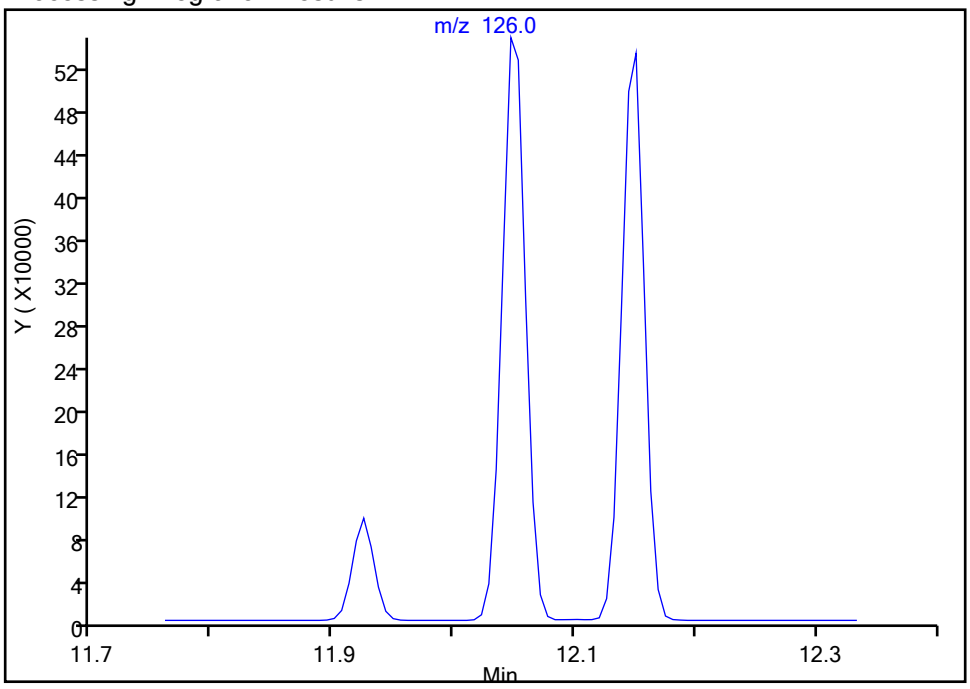
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X16.D
Injection Date: 21-May-2025 20:56:30 Instrument ID: 26285
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

150 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

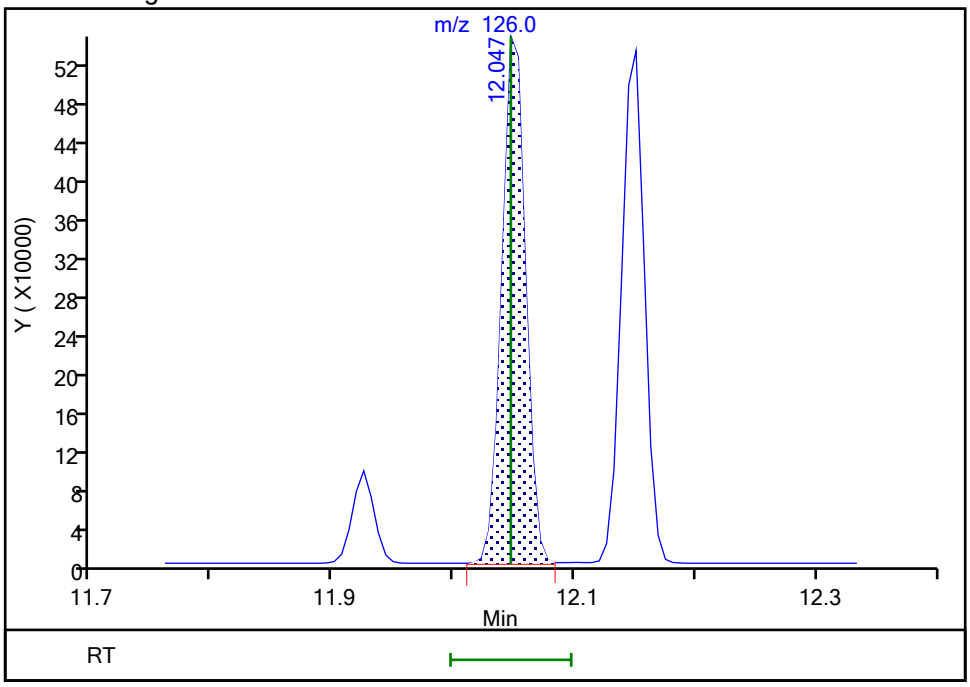
Not Detected
Expected RT: 12.05

Processing Integration Results



Manual Integration Results

RT: 12.05
Area: 746539
Amount: 110.6056
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 02:05:32 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

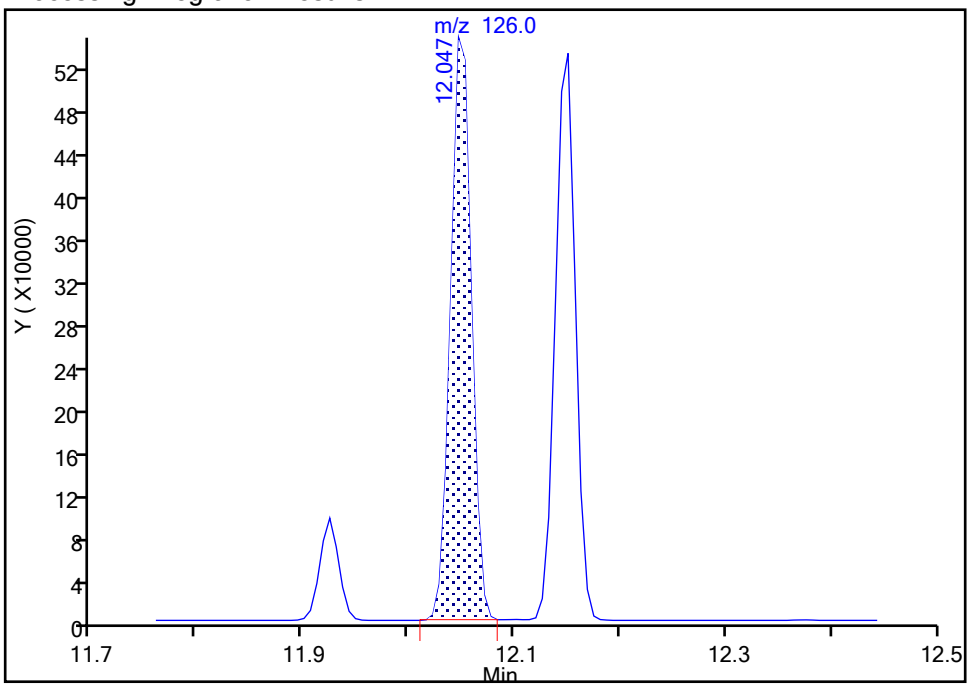
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X16.D
Injection Date: 21-May-2025 20:56:30 Instrument ID: 26285
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

153 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

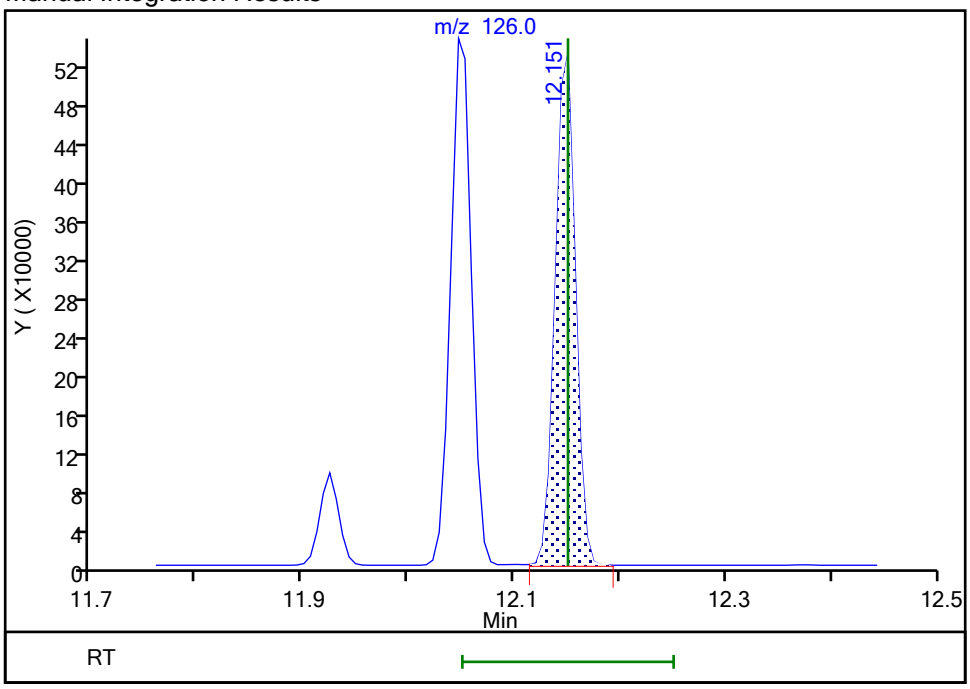
Processing Integration Results

RT: 12.05
Area: 746539
Amount: 111.3583
Amount Units: ug/l



Manual Integration Results

RT: 12.15
Area: 703859
Amount: 107.3684
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:29:18 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

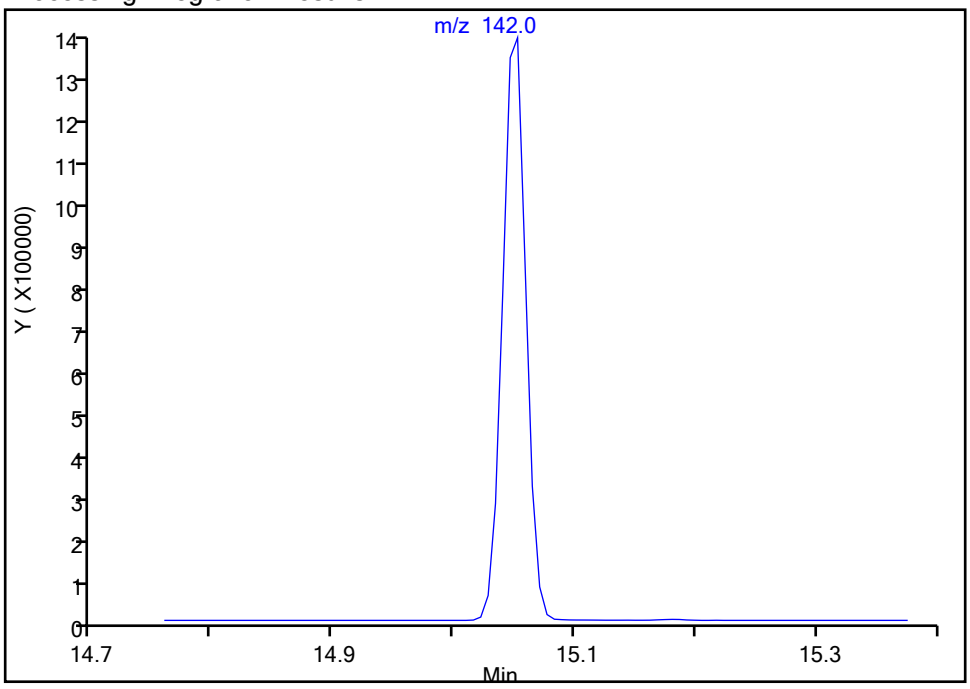
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X16.D
Injection Date: 21-May-2025 20:56:30 Instrument ID: 26285
Lims ID: IC v100
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

181 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

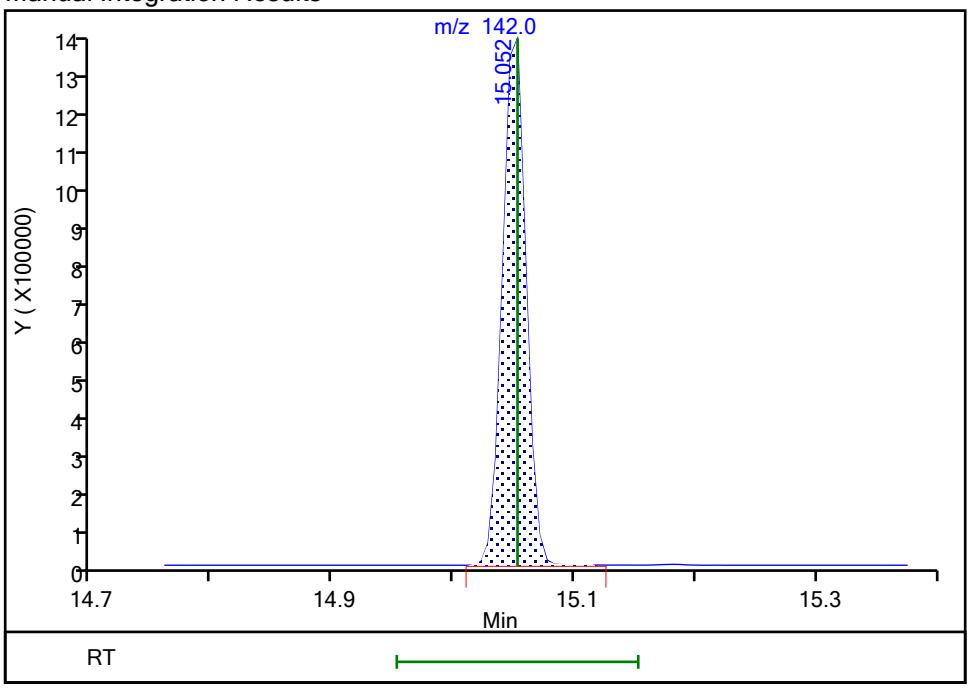
Not Detected
Expected RT: 15.05

Processing Integration Results



Manual Integration Results

RT: 15.05
Area: 1866356
Amount: 118.1640
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 02:07:26 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D
Lims ID: IC v300
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 21-May-2025 21:16:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0147895-018
Misc. Info.: IC V300
Operator ID: knk41612 Instrument ID: 26285
Sublist: chrom-MSVoa_26285a*sub89

Method: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 22-May-2025 08:40:39 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1676

First Level Reviewer: JS6E Date: 22-May-2025 01:27:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.592	1.598	-0.006	99	3435133	300.0	297.9	
4 Chloromethane	50	1.769	1.768	0.000	99	4259996	300.0	278.9	
5 Butadiene	39	1.836	1.842	-0.006	97	4334902	300.0	273.7	
6 Vinyl chloride	62	1.860	1.866	-0.006	98	3574638	300.0	284.3	
9 Bromomethane	94	2.146	2.146	0.000	91	2310945	300.0	282.3	
10 Chloroethane	64	2.177	2.177	0.000	99	1895066	300.0	273.1	
11 Dichlorofluoromethane	67	2.378	2.384	-0.006	97	5880190	300.0	273.7	
12 Pentane	43	2.445	2.451	-0.006	96	4396605	300.0	337.0	
13 Trichlorofluoromethane	101	2.463	2.463	0.000	98	3803472	300.0	297.0	
15 Ethyl ether	59	2.616	2.622	-0.006	96	1793527	300.1	279.2	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.720	2.713	0.007	96	2960880	300.0	282.3	
17 Acrolein	56	2.768	2.768	0.000	99	8038307	2927.4	3163.1	
18 1,1-Dichloroethene	96	2.890	2.884	0.006	94	1840730	300.0	305.9	
19 Acetone	58	2.915	2.921	-0.006	98	744715	600.0	598.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.921	2.927	-0.006	94	2219970	300.0	321.1	
21 Iodomethane	142	3.055	3.061	-0.006	99	3617189	300.0	306.7	
22 Isopropyl alcohol	45	3.085	3.073	0.012	95	2008826	1500.0	1365.7	
23 Carbon disulfide	76	3.128	3.128	0.000	100	7793771	300.0	311.1	M
25 Methyl acetate	43	3.250	3.256	-0.006	99	3057856	300.0	294.8	
26 3-Chloro-1-propene	41	3.268	3.274	-0.006	89	4207809	300.0	290.9	
28 Methylene Chloride	84	3.439	3.439	0.000	99	2267168	300.0	294.9	
* 29 t-Butyl alcohol-d10 (IS)	65	3.488	3.506	-0.018	95	530024	250.0	250.0	
30 2-Methyl-2-propanol	59	3.610	3.591	0.019	98	3471418	1500.0	1410.2	
31 Acrylonitrile	53	3.713	3.713	0.000	98	3760590	750.0	702.0	
32 trans-1,2-Dichloroethene	96	3.768	3.768	0.000	94	1929771	300.0	294.8	
33 Methyl tert-butyl ether	73	3.786	3.780	0.006	96	6828159	300.0	292.0	
34 Hexane	57	4.146	4.152	-0.006	96	2940596	300.0	334.5	
36 1,1-Dichloroethane	63	4.390	4.390	0.000	96	4075550	300.0	293.2	
38 Isopropyl ether	45	4.469	4.457	0.012	97	8366872	300.0	297.9	
39 2-Chloro-1,3-butadiene	53	4.500	4.506	-0.006	93	3640963	300.0	294.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.042	5.030	0.012	100	7550565	300.0	305.5	
42 2-Butanone (MEK)	43	5.268	5.268	0.000	98	4693484	600.0	621.9	
43 cis-1,2-Dichloroethene	96	5.274	5.274	0.000	85	2261948	300.0	293.0	
44 2,2-Dichloropropane	77	5.304	5.292	0.012	89	3407158	300.0	301.8	
45 Propionitrile	54	5.371	5.371	0.000	98	3281733	1500.0	1553.1	
46 Methyl acrylate	55	5.402	5.402	0.000	99	3724351	300.1	282.3	
47 Methacrylonitrile	67	5.585	5.585	0.000	97	3398672	750.0	734.4	
48 Chlorobromomethane	128	5.621	5.621	0.000	91	1033104	300.0	302.6	
49 Tetrahydrofuran	71	5.640	5.634	0.006	91	2676473	1500.0	1602.9	
50 Chloroform	83	5.792	5.792	0.000	95	3738952	300.0	291.9	
52 1,1,1-Trichloroethane	97	6.018	6.011	0.007	98	3349322	300.0	308.9	
$ 51 Dibromofluoromethane (Surr)	113	6.018	6.018	0.000	42	311338	50.0	48.9	
53 Cyclohexane	56	6.115	6.103	0.012	95	4560330	300.0	335.1	
S 54 1,2-Dichloroethene, Total	100				0			587.8	
55 Carbon tetrachloride	117	6.231	6.231	0.000	96	2860783	300.0	322.9	
56 1,1-Dichloropropene	75	6.237	6.237	0.000	96	3208570	300.0	313.1	
57 Isobutyl alcohol	41	6.469	6.475	-0.006	94	2877143	3750.0	3621.2	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.493	6.493	0.000	85	69663	50.0	49.2	
59 Benzene	78	6.511	6.517	-0.006	98	9281247	300.0	308.6	
60 1,2-Dichloroethane	62	6.597	6.597	0.000	97	3019804	300.0	298.1	
62 Tert-amyl methyl ether	73	6.737	6.725	0.012	97	6876433	300.0	311.2	
* 63 Fluorobenzene (IS)	96	6.944	6.944	0.000	95	1292264	50.0	50.0	
64 n-Heptane	43	6.969	6.969	0.000	98	2801275	300.0	298.7	
65 n-Butanol	56	7.402	7.389	0.013	93	2099841	3750.0	3586.5	
66 Trichloroethene	95	7.444	7.444	0.000	96	2294870	300.0	318.3	
67 Ethyl acrylate	55	7.597	7.597	0.000	99	4146984	300.1	313.0	
68 Methylcyclohexane	83	7.755	7.749	0.006	95	3747103	300.0	302.4	
69 1,2-Dichloropropane	63	7.798	7.798	0.000	98	2560915	300.0	311.8	
70 2-ethoxy-2-methyl butane	87	7.822	7.816	0.006	88	3159525	300.0	319.4	
72 1,4-Dioxane	88	7.901	7.901	0.000	32	446760	3750.0	3657.0	
73 Dibromomethane	93	7.908	7.907	0.001	91	1428736	300.0	308.4	
74 Methyl methacrylate	69	7.914	7.907	0.007	94	2040823	300.0	313.9	
76 Dichlorobromomethane	83	8.164	8.164	0.000	98	2942060	300.0	322.2	
77 2-Nitropropane	41	8.468	8.462	0.006	98	5207052	1500.0	1661.2	
78 2-Chloroethyl vinyl ether	63	8.566	8.560	0.006	92	1809428	300.0	343.0	
79 cis-1,3-Dichloropropene	75	8.749	8.749	0.000	93	3907686	300.0	337.3	
83 4-Methyl-2-pentanone (MIBK)	43	8.962	8.956	0.006	98	9458470	600.0	620.5	
$ 84 Toluene-d8 (Surr)	98	9.090	9.090	0.000	95	1252635	50.0	48.2	
85 Toluene	92	9.182	9.176	0.006	97	5516599	300.0	305.0	
86 trans-1,3-Dichloropropene	75	9.493	9.493	0.001	96	3465434	300.0	322.1	
87 Ethyl methacrylate	69	9.578	9.572	0.006	93	3550252	300.0	283.1	
88 1,1,2-Trichloroethane	97	9.718	9.712	0.006	91	1899639	300.0	300.0	
89 Tetrachloroethene	166	9.797	9.791	0.006	95	2136078	300.0	316.1	
91 1,3-Dichloropropane	76	9.895	9.889	0.006	96	3344489	300.0	304.7	
92 2-Hexanone	43	9.968	9.968	0.000	99	6502572	600.0	572.3	
S 98 1,3-Dichloropropene, Total	100				0			659.4	
100 Chlorodibromomethane	129	10.121	10.120	0.001	91	2168298	300.0	323.1	
101 Ethylene Dibromide	107	10.236	10.230	0.006	98	1991511	300.0	306.4	
* 128 Chlorobenzene-d5 (IS)	117	10.706	10.706	0.000	88	946032	50.0	50.0	
130 Chlorobenzene	112	10.736	10.730	0.006	90	5917788	300.0	316.8	
129 1-Chlorohexane	91	10.736	10.730	0.006	70	2764653	300.0	303.9	
131 1,1,1,2-Tetrachloroethane	131	10.828	10.828	0.000	96	2177793	300.0	304.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
132 Ethylbenzene	91	10.834	10.834	0.000	99	11216385	300.0	305.8	
133 m-Xylene & p-Xylene	106	10.956	10.962	-0.006	98	8255199	600.0	621.2	e
S 135 Xylenes, Total	106				0			924.5	
134 n-Butyl acrylate	55	11.279	11.279	0.000	95	5694506	299.9	269.1	
136 o-Xylene	106	11.309	11.309	0.000	97	4181024	300.0	303.2	
137 Styrene	104	11.328	11.328	0.000	95	6664213	300.0	308.6	
138 Bromoform	173	11.486	11.486	0.000	96	1594635	300.0	318.2	
139 Isopropylbenzene	105	11.632	11.632	0.000	96	9642858	300.0	309.5	
141 Cyclohexanone	55	11.706	11.705	0.001	96	2151971	3749.7	4390.3	
$ 143 4-Bromofluorobenzene (Surr)	95	11.779	11.779	0.000	87	487225	50.0	48.1	
144 Bromobenzene	156	11.895	11.894	0.001	96	2331964	300.0	328.5	
145 1,1,2,2-Tetrachloroethane	83	11.901	11.894	0.007	93	3600035	300.0	292.0	
146 trans-1,4-Dichloro-2-butene	53	11.925	11.925	0.000	90	2657939	750.0	713.2	
147 1,2,3-Trichloropropane	110	11.943	11.937	0.006	84	904167	300.0	288.7	
148 N-Propylbenzene	91	11.980	11.974	0.006	99	11926810	300.0	307.6	e
150 2-Chlorotoluene	126	12.053	12.047	0.006	95	2328560	300.0	319.0	a
152 1,3,5-Trimethylbenzene	105	12.126	12.126	0.000	95	8754768	300.0	333.7	
153 4-Chlorotoluene	126	12.151	12.151	0.000	99	2270601	300.0	320.2	a
154 tert-Butylbenzene	134	12.376	12.370	0.006	94	1480562	300.0	346.0	
156 1,2,4-Trimethylbenzene	105	12.419	12.419	0.000	98	8816494	300.0	324.8	
158 sec-Butylbenzene	105	12.547	12.541	0.006	95	10197072	300.0	341.4	
159 1,3-Dichlorobenzene	146	12.638	12.638	0.000	97	4148480	300.0	312.7	
160 4-Isopropyltoluene	119	12.663	12.657	0.006	97	8649540	300.0	342.2	
* 163 1,4-Dichlorobenzene-d4	152	12.699	12.699	0.000	98	472250	50.0	50.0	
164 1,4-Dichlorobenzene	146	12.718	12.717	0.001	93	4169584	300.0	313.1	
165 1,2,3-Trimethylbenzene	105	12.736	12.730	0.006	99	9128622	300.0	327.1	
166 Benzyl chloride	91	12.803	12.797	0.006	99	6798094	300.0	292.5	
167 1,3-Diethylbenzene	119	12.870	12.870	0.000	95	4718104	300.0	332.0	
168 p-Diethylbenzene	119	12.943	12.943	0.000	93	4927984	300.0	328.9	
169 n-Butylbenzene	92	12.961	12.961	0.000	98	4238078	300.0	328.4	
171 1,2-Dichlorobenzene	146	12.986	12.986	0.000	97	4216518	300.0	308.9	
172 o-diethylbenzene	119	13.016	13.016	0.000	97	4099090	300.0	340.9	
173 1,2-Dibromo-3-Chloropropane	75	13.547	13.547	0.000	81	977207	300.0	288.7	
175 1,3,5-Trichlorobenzene	180	13.675	13.675	0.000	97	2695778	300.0	311.2	
176 1,2,4-Trichlorobenzene	180	14.114	14.114	0.000	94	2571097	300.0	303.0	
177 2-Ethylhexyl acrylate	55	14.193	14.187	0.006	83	3371029	299.8	272.7	
178 Hexachlorobutadiene	225	14.199	14.199	0.000	96	977441	300.0	349.4	
179 Naphthalene	128	14.297	14.296	0.001	98	10619444	300.0	280.4	
180 1,2,3-Trichlorobenzene	180	14.443	14.443	0.000	95	2559778	300.0	299.6	
181 2-Methylnaphthalene	142	15.052	15.052	0.000	92	5006616	300.0	293.1	a
S 213 Total Diethylbenzene	1				0			1001.7	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_CCV_CYC_00011	Amount Added:	30.00	Units: uL	
MSV_CCV_GASES_01023	Amount Added:	7.50	Units: uL	
MSV_CCV_VOC#3_00237	Amount Added:	12.00	Units: uL	
MSV_CCV_2CEVE_00228	Amount Added:	15.00	Units: uL	
MSV_CCV_EE_00009	Amount Added:	15.00	Units: uL	
MSV_CCV_VOC#1_00236	Amount Added:	15.00	Units: uL	
MSV_CCV_OH_Sp_00021	Amount Added:	15.00	Units: uL	
MSV_Cent_ISSS_00041	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-May-2025 08:40:40 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Injection Date: 21-May-2025 21:16:30 Instrument ID: 26285 Operator ID: knk41612

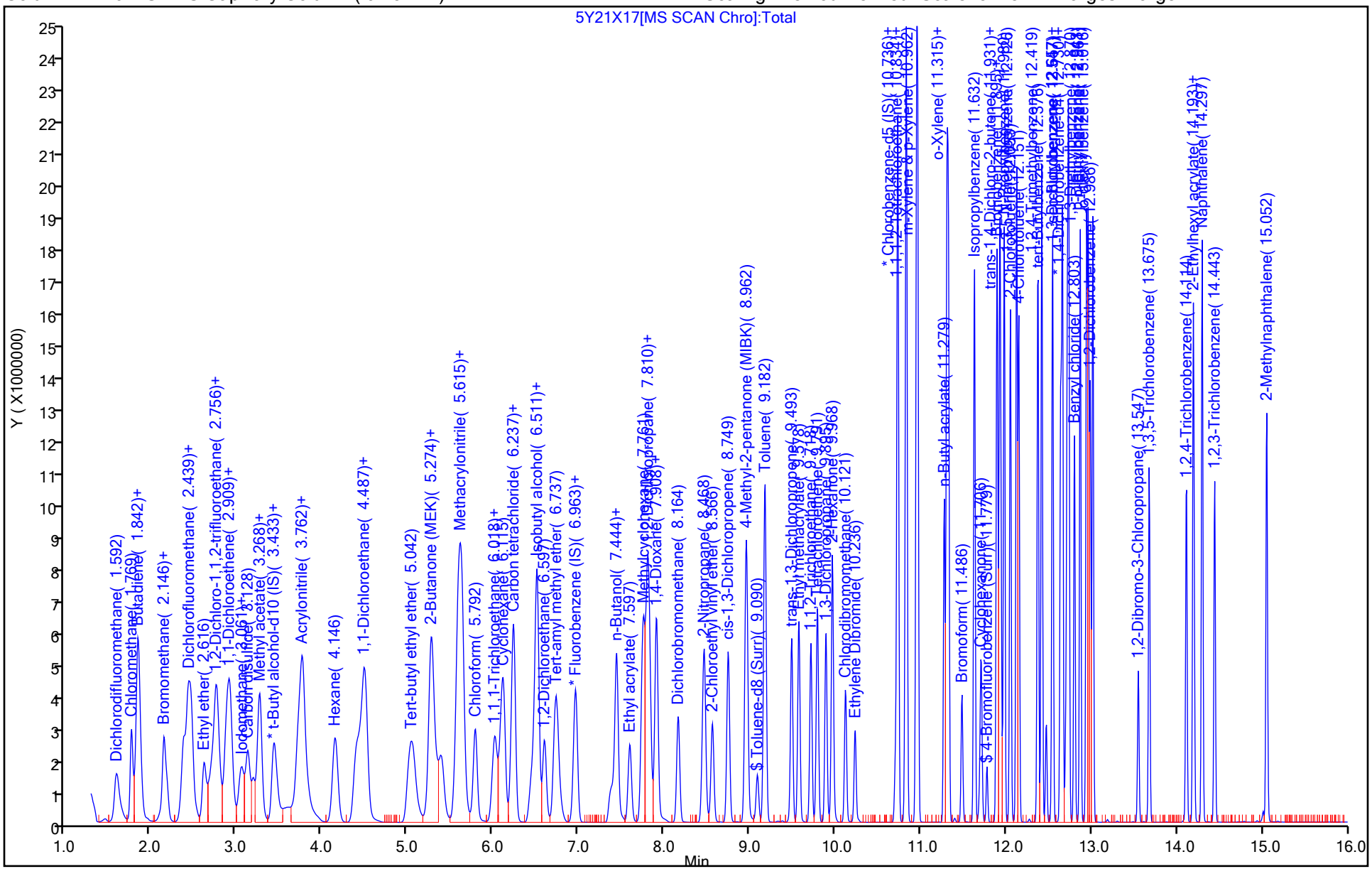
Lims ID: IC v300 Worklist Smp#: 18

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 17

Method: MSVoa_26285a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

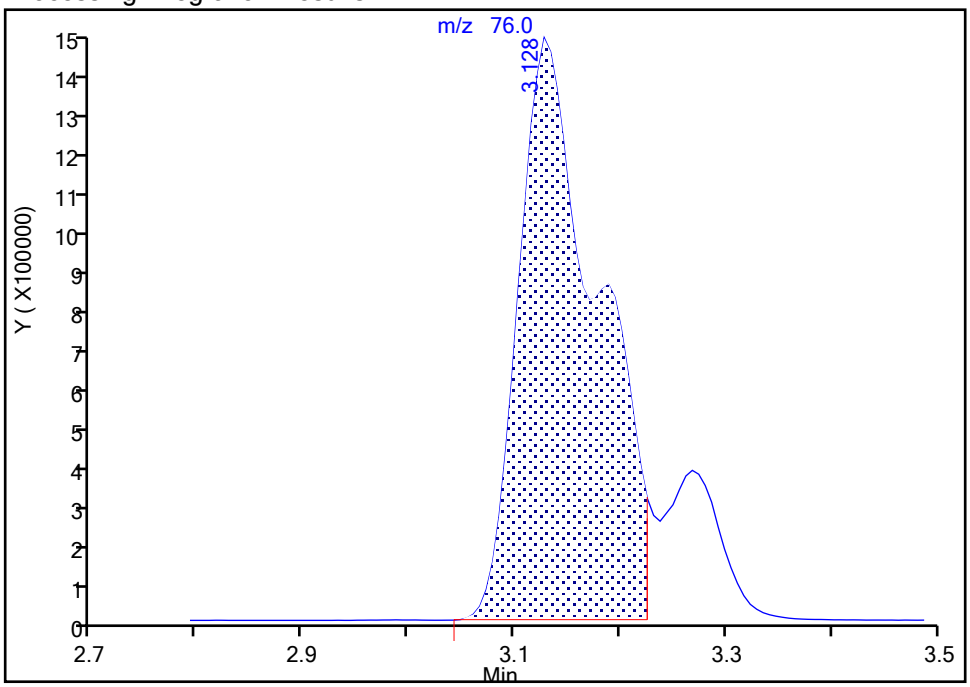
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D
Injection Date: 21-May-2025 21:16:30 Instrument ID: 26285
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

23 Carbon disulfide, CAS: 75-15-0

Signal: 1

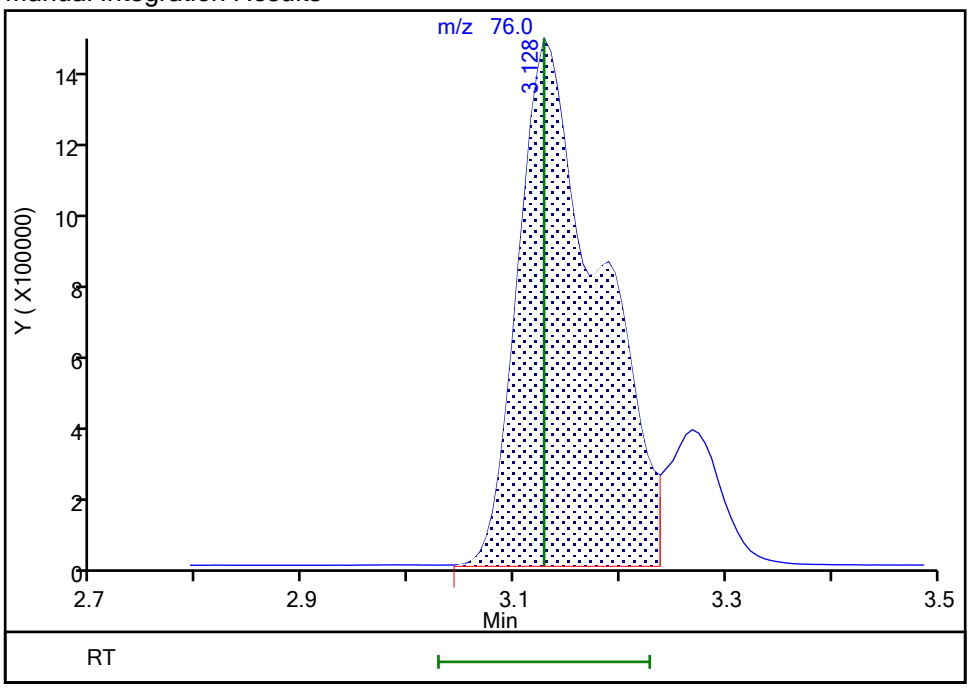
Processing Integration Results

RT: 3.13
Area: 7608286
Amount: 306.2843
Amount Units: ug/l



Manual Integration Results

RT: 3.13
Area: 7793771
Amount: 311.1165
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:25:51 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

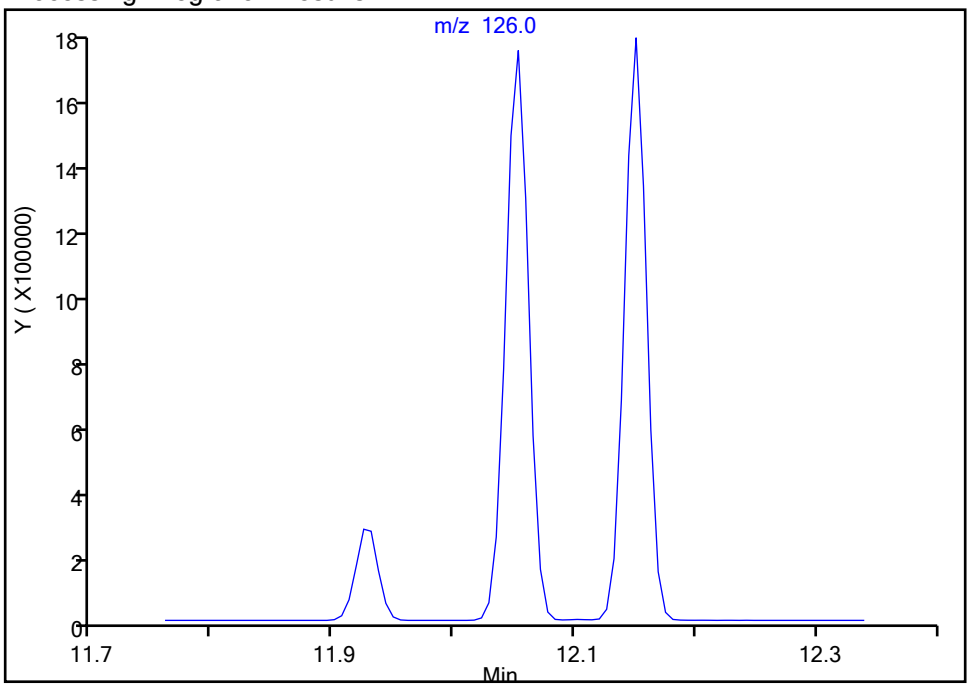
Data File:	\\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D				
Injection Date:	21-May-2025 21:16:30	Instrument ID:	26285		
Lims ID:	IC v300				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

150 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

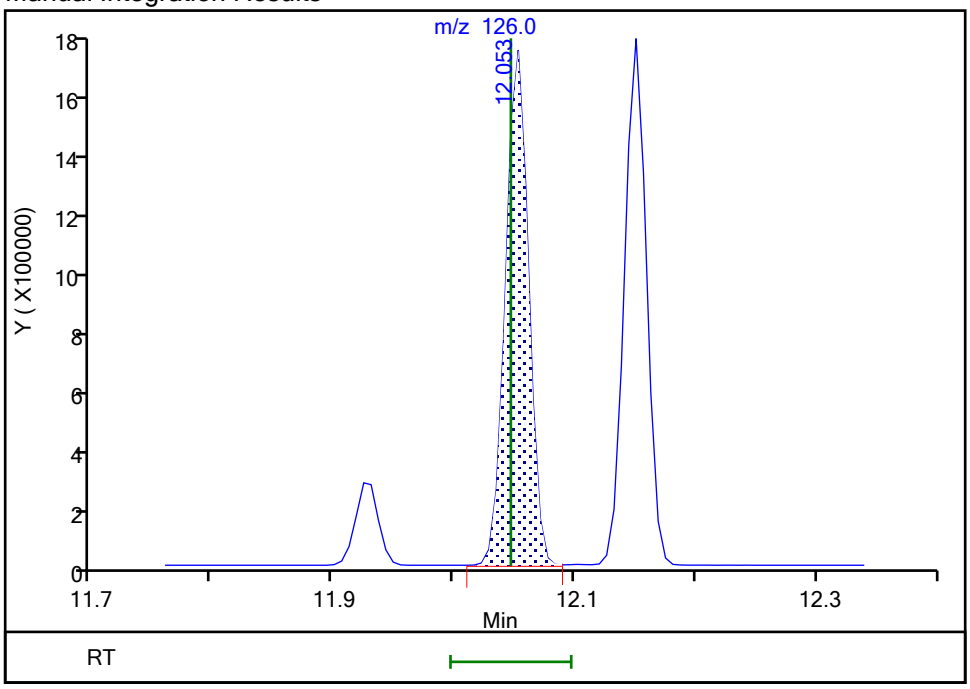
Not Detected
Expected RT: 12.05

Processing Integration Results



Manual Integration Results

RT: 12.05
Area: 2328560
Amount: 318.9831
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 02:05:47 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

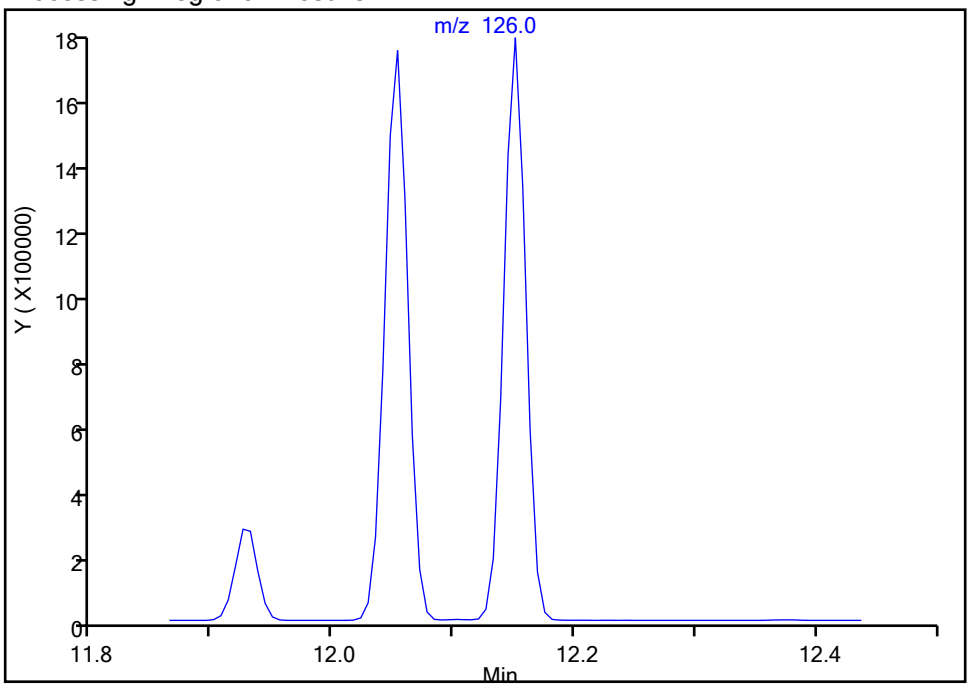
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D
Injection Date: 21-May-2025 21:16:30 Instrument ID: 26285
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

153 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

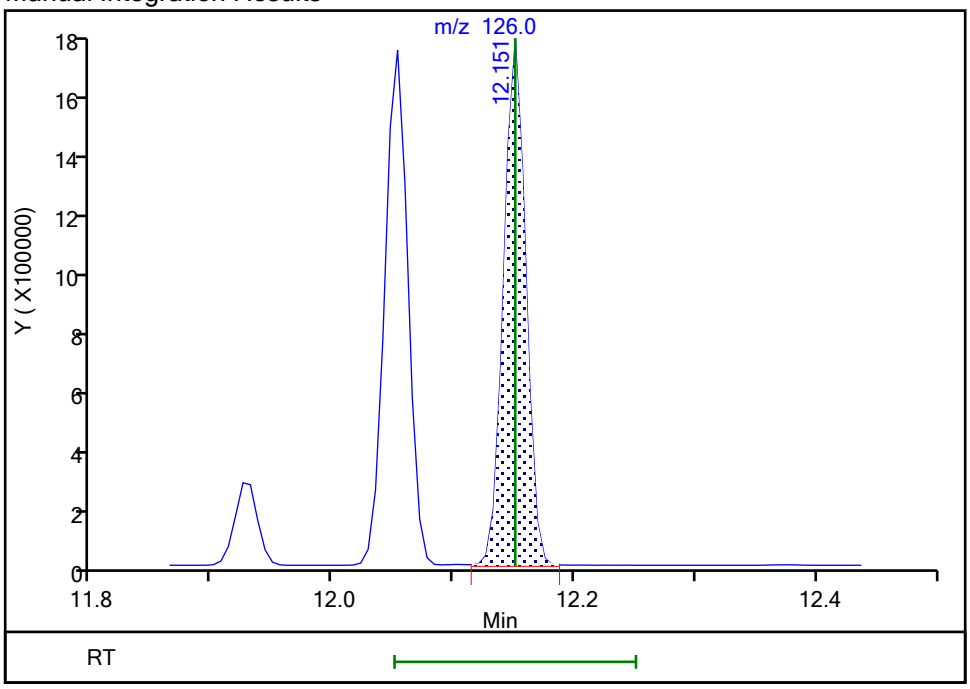
Not Detected
Expected RT: 12.15

Processing Integration Results



Manual Integration Results

RT: 12.15
Area: 2270601
Amount: 320.2485
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 01:29:40 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

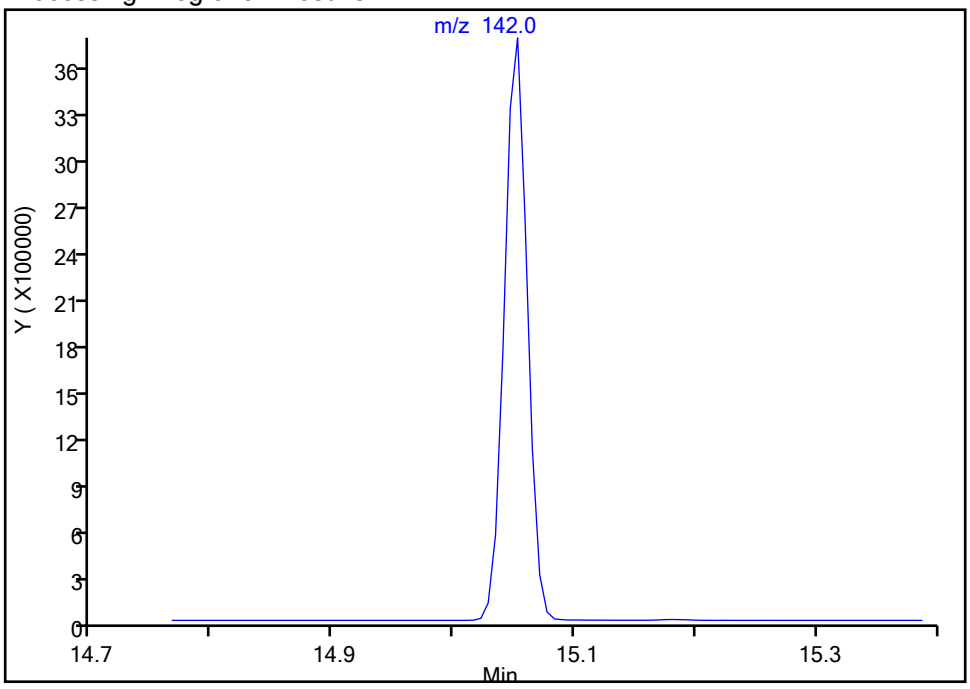
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D
Injection Date: 21-May-2025 21:16:30 Instrument ID: 26285
Lims ID: IC v300
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

181 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

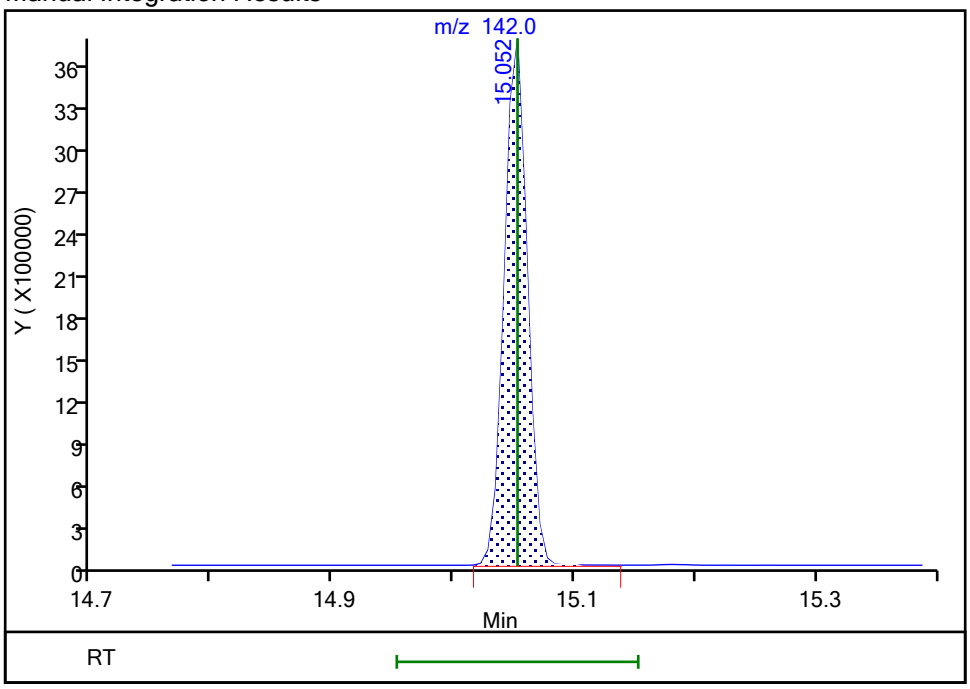
Not Detected
Expected RT: 15.05

Processing Integration Results



Manual Integration Results

RT: 15.05
Area: 5006616
Amount: 293.0830
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 02:07:36 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

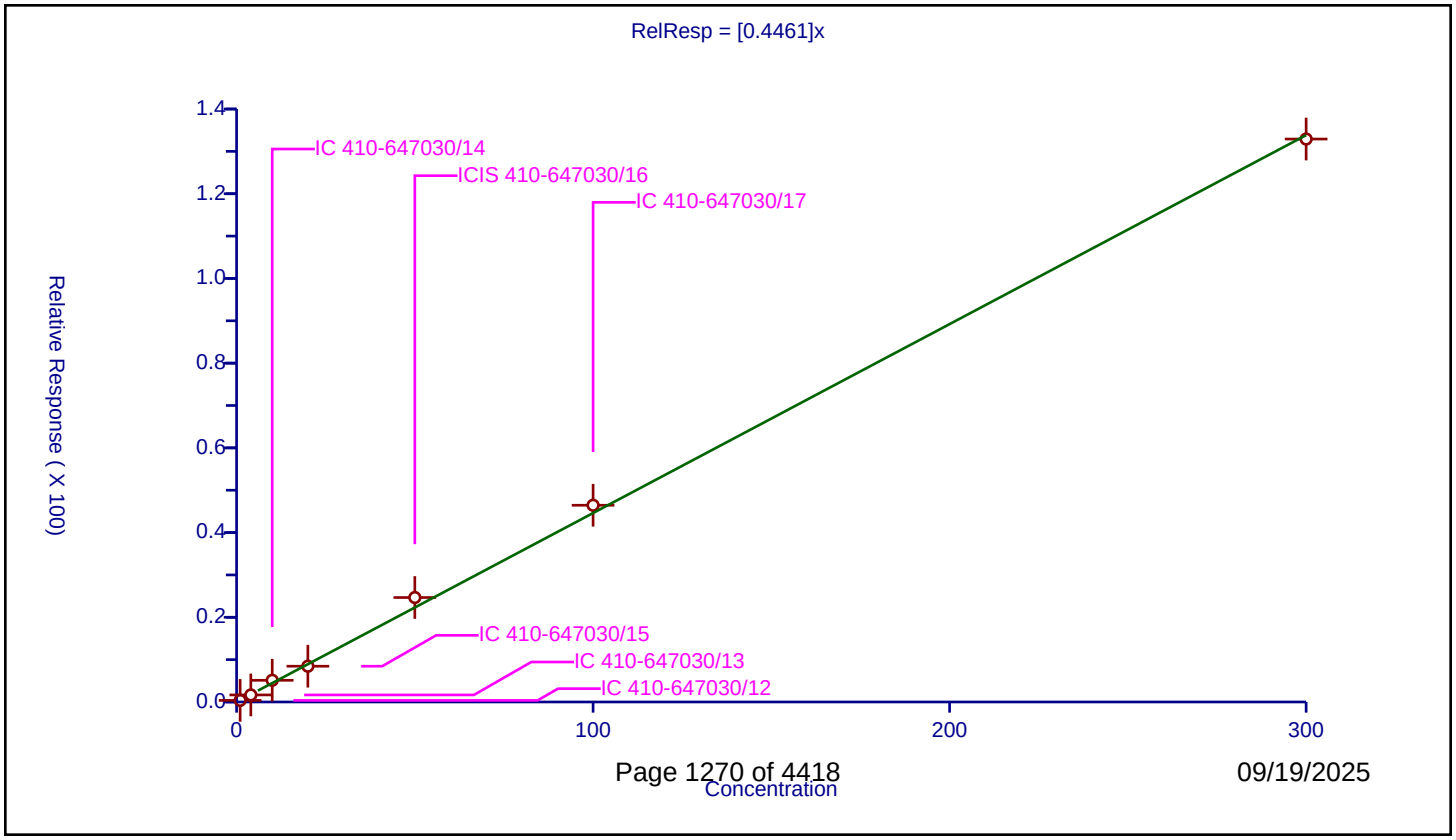
Curve Coefficients

Intercept:	0
Slope:	0.4461

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.371585	50.0	1142404.0	0.371585	Y
2	IC 410-647030/13	4.0	1.663599	50.0	1144326.0	0.4159	Y
3	IC 410-647030/14	10.0	5.121628	50.0	1197383.0	0.512163	Y
4	IC 410-647030/15	20.0	8.443198	50.0	1207238.0	0.42216	Y
5	ICIS 410-647030/16	50.0	24.662853	50.0	1235887.0	0.493257	Y
6	IC 410-647030/17	100.0	46.450717	50.0	1237278.0	0.464507	Y
7	IC 410-647030/18	300.0	132.911425	50.0	1292264.0	0.443038	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

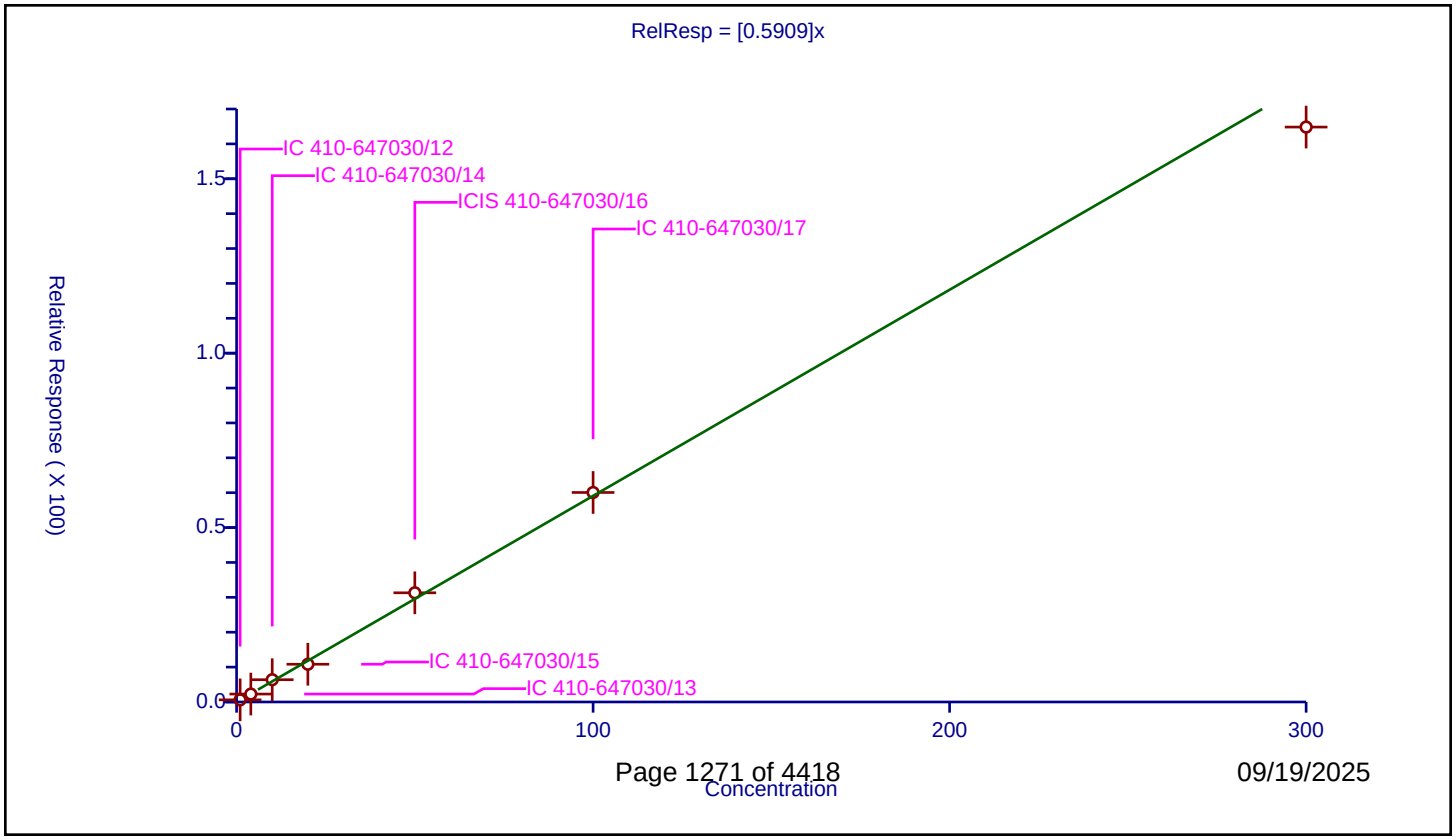
Curve Coefficients

Intercept:	0
Slope:	0.5909

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.612437	50.0	1142404.0	0.612437	Y
2	IC 410-647030/13	4.0	2.271992	50.0	1144326.0	0.567998	Y
3	IC 410-647030/14	10.0	6.388056	50.0	1197383.0	0.638806	Y
4	IC 410-647030/15	20.0	10.818621	50.0	1207238.0	0.540931	Y
5	ICIS 410-647030/16	50.0	31.305046	50.0	1235887.0	0.626101	Y
6	IC 410-647030/17	100.0	60.062452	50.0	1237278.0	0.600625	Y
7	IC 410-647030/18	300.0	164.826847	50.0	1292264.0	0.549423	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

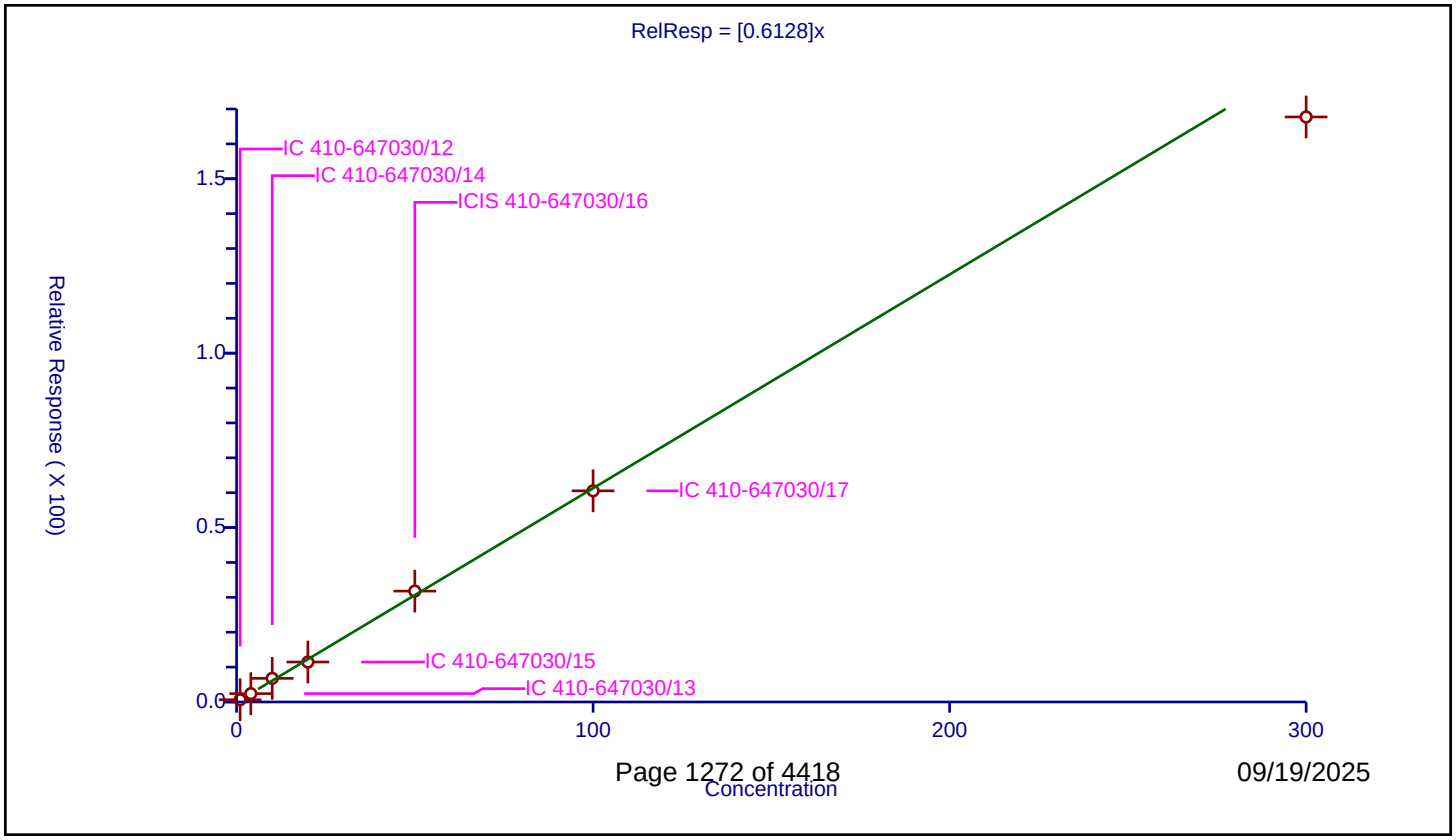
Curve Coefficients

Intercept:	0
Slope:	0.6128

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.639835	50.0	1142404.0	0.639835	Y
2	IC 410-647030/13	4.0	2.395602	50.0	1144326.0	0.598901	Y
3	IC 410-647030/14	10.0	6.777948	50.0	1197383.0	0.677795	Y
4	IC 410-647030/15	20.0	11.456316	50.0	1207238.0	0.572816	Y
5	ICIS 410-647030/16	50.0	31.794169	50.0	1235887.0	0.635883	Y
6	IC 410-647030/17	100.0	60.538456	50.0	1237278.0	0.605385	Y
7	IC 410-647030/18	300.0	167.725093	50.0	1292264.0	0.559084	Y



09/19/2025

Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

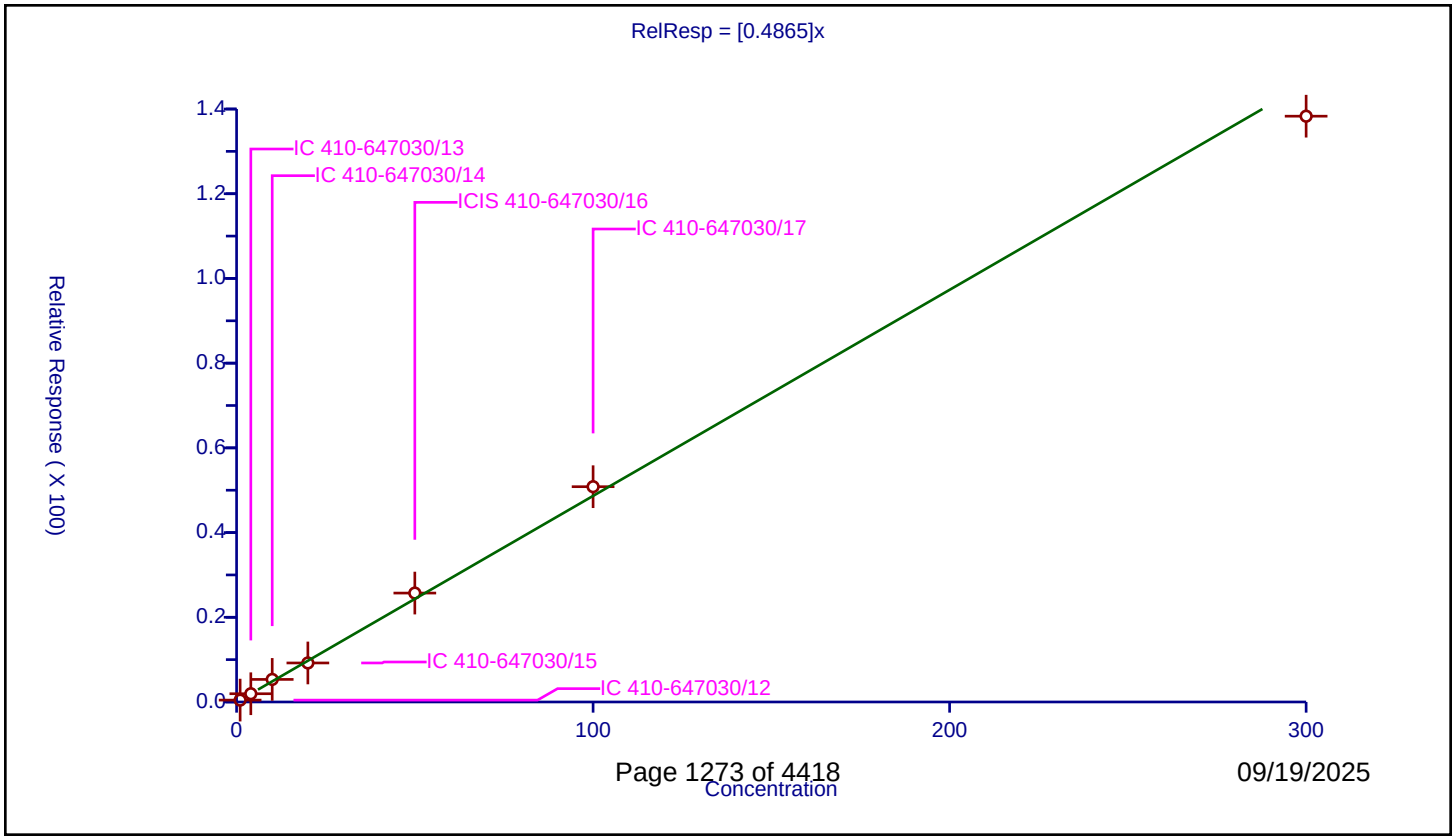
Curve Coefficients

Intercept:	0
Slope:	0.4865

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.440869	50.0	1142404.0	0.440869	Y
2	IC 410-647030/13	4.0	1.949663	50.0	1144326.0	0.487416	Y
3	IC 410-647030/14	10.0	5.33217	50.0	1197383.0	0.533217	Y
4	IC 410-647030/15	20.0	9.212972	50.0	1207238.0	0.460649	Y
5	ICIS 410-647030/16	50.0	25.717642	50.0	1235887.0	0.514353	Y
6	IC 410-647030/17	100.0	50.828876	50.0	1237278.0	0.508289	Y
7	IC 410-647030/18	300.0	138.309123	50.0	1292264.0	0.46103	Y



09/19/2025

Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

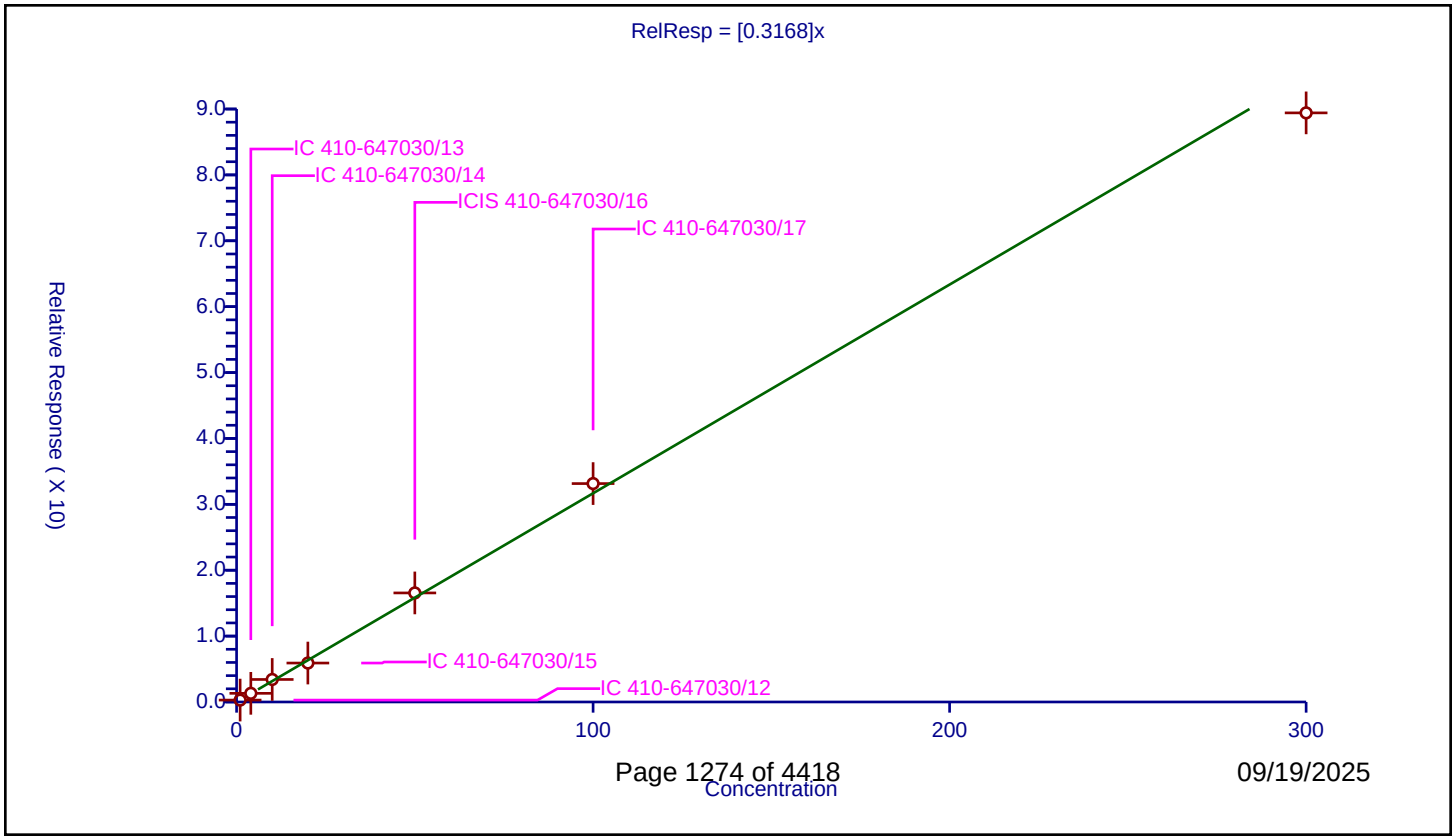
Curve Coefficients

Intercept:	0
Slope:	0.3168

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.291097	50.0	1142404.0	0.291097	Y
2	IC 410-647030/13	4.0	1.31383	50.0	1144326.0	0.328458	Y
3	IC 410-647030/14	10.0	3.416033	50.0	1197383.0	0.341603	Y
4	IC 410-647030/15	20.0	5.912214	50.0	1207238.0	0.295611	Y
5	ICIS 410-647030/16	50.0	16.550947	50.0	1235887.0	0.331019	Y
6	IC 410-647030/17	100.0	33.150593	50.0	1237278.0	0.331506	Y
7	IC 410-647030/18	300.0	89.414586	50.0	1292264.0	0.298049	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

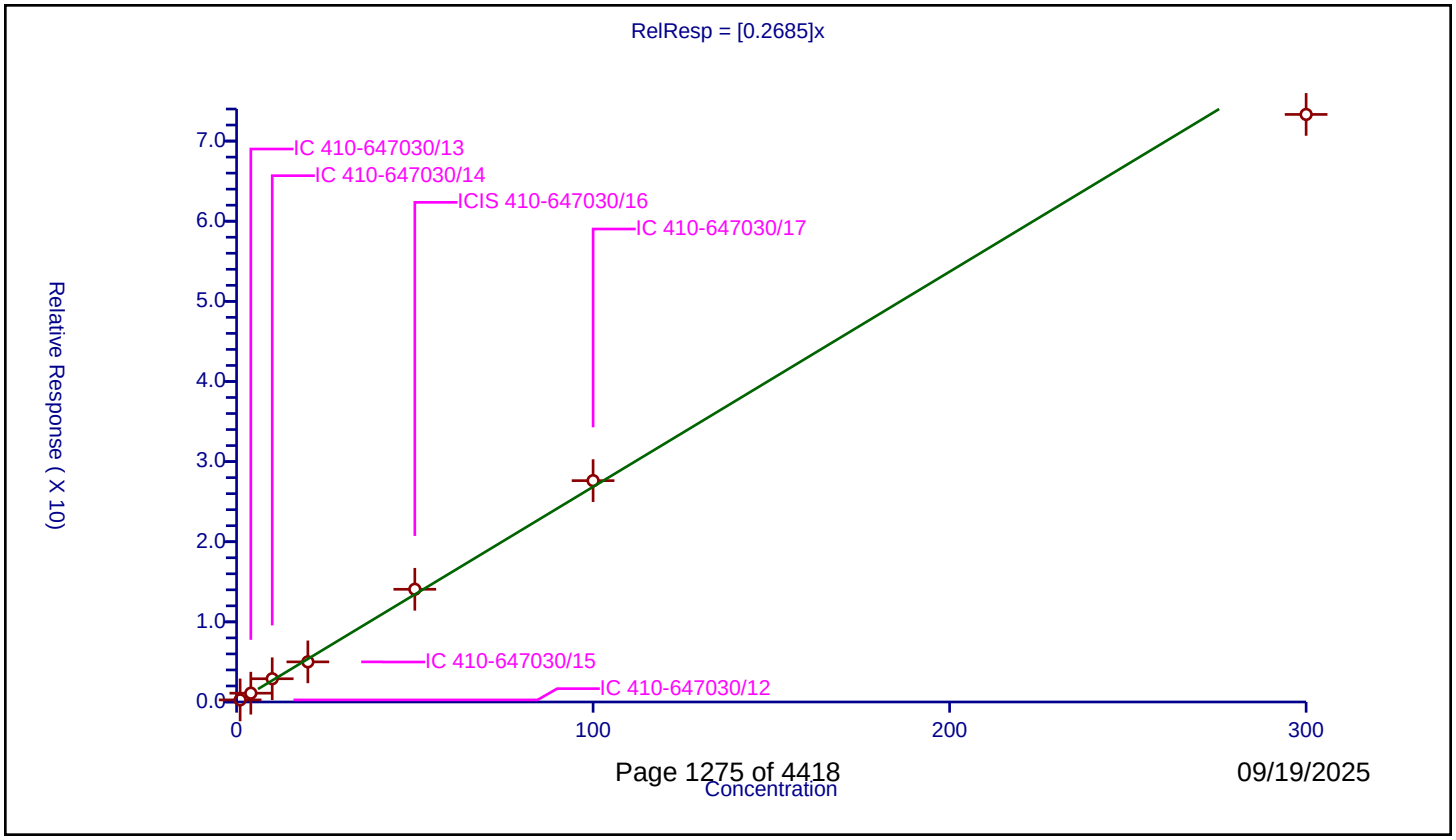
Curve Coefficients

Intercept:	0
Slope:	0.2685

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.262604	50.0	1142404.0	0.262604	Y
2	IC 410-647030/13	4.0	1.098551	50.0	1144326.0	0.274638	Y
3	IC 410-647030/14	10.0	2.898947	50.0	1197383.0	0.289895	Y
4	IC 410-647030/15	20.0	5.007298	50.0	1207238.0	0.250365	Y
5	ICIS 410-647030/16	50.0	14.066011	50.0	1235887.0	0.28132	Y
6	IC 410-647030/17	100.0	27.6214	50.0	1237278.0	0.276214	Y
7	IC 410-647030/18	300.0	73.323485	50.0	1292264.0	0.244412	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

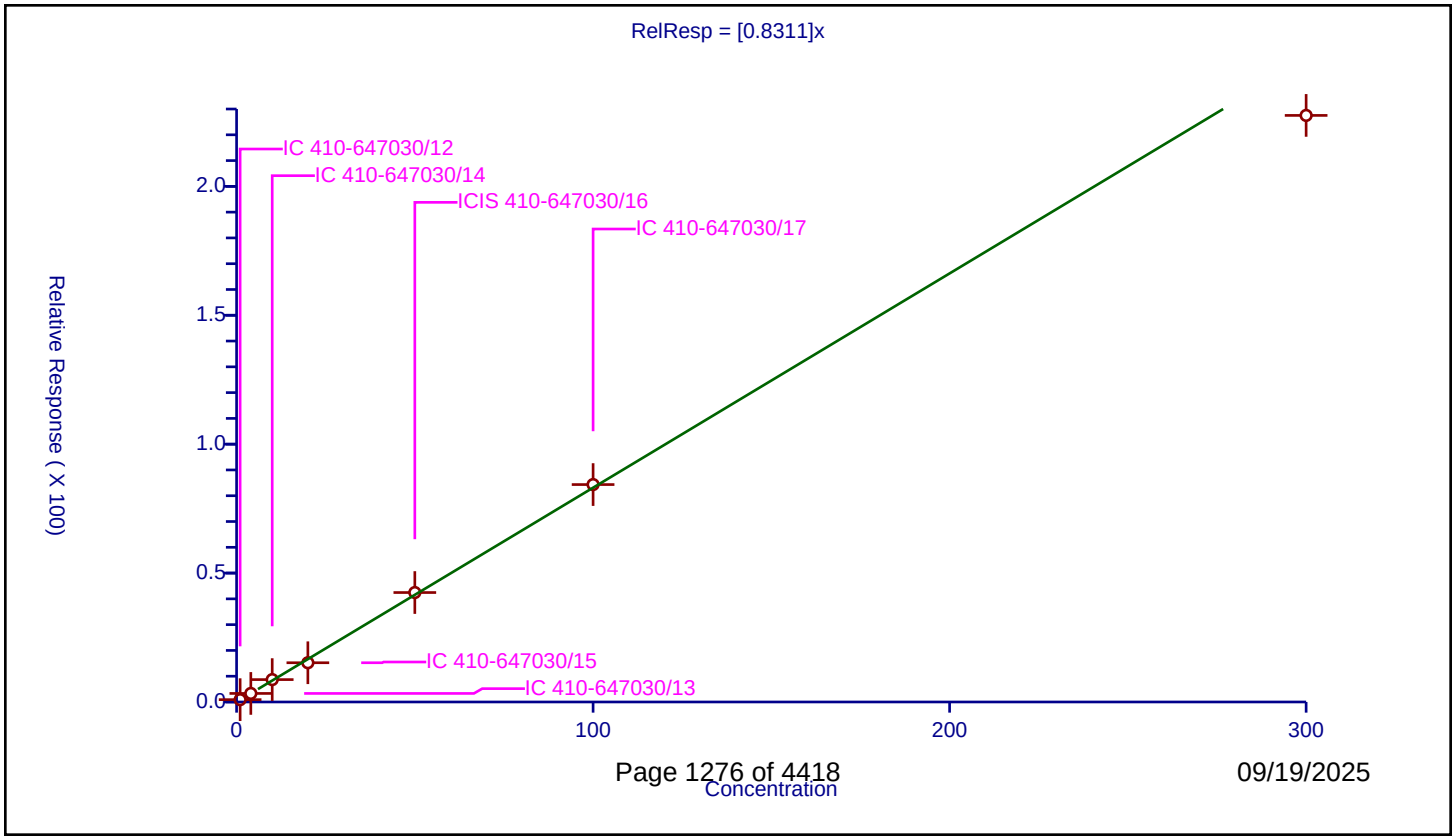
Curve Coefficients

Intercept:	0
Slope:	0.8311

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.908785	50.0	1142404.0	0.908785	Y
2	IC 410-647030/13	4.0	3.316013	50.0	1144326.0	0.829003	Y
3	IC 410-647030/14	10.0	8.682184	50.0	1197383.0	0.868218	Y
4	IC 410-647030/15	20.0	15.221812	50.0	1207238.0	0.761091	Y
5	ICIS 410-647030/16	50.0	42.457765	50.0	1235887.0	0.849155	Y
6	IC 410-647030/17	100.0	84.338079	50.0	1237278.0	0.843381	Y
7	IC 410-647030/18	300.0	227.515043	50.0	1292264.0	0.758383	Y



09/19/2025

Calibration / Pentane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

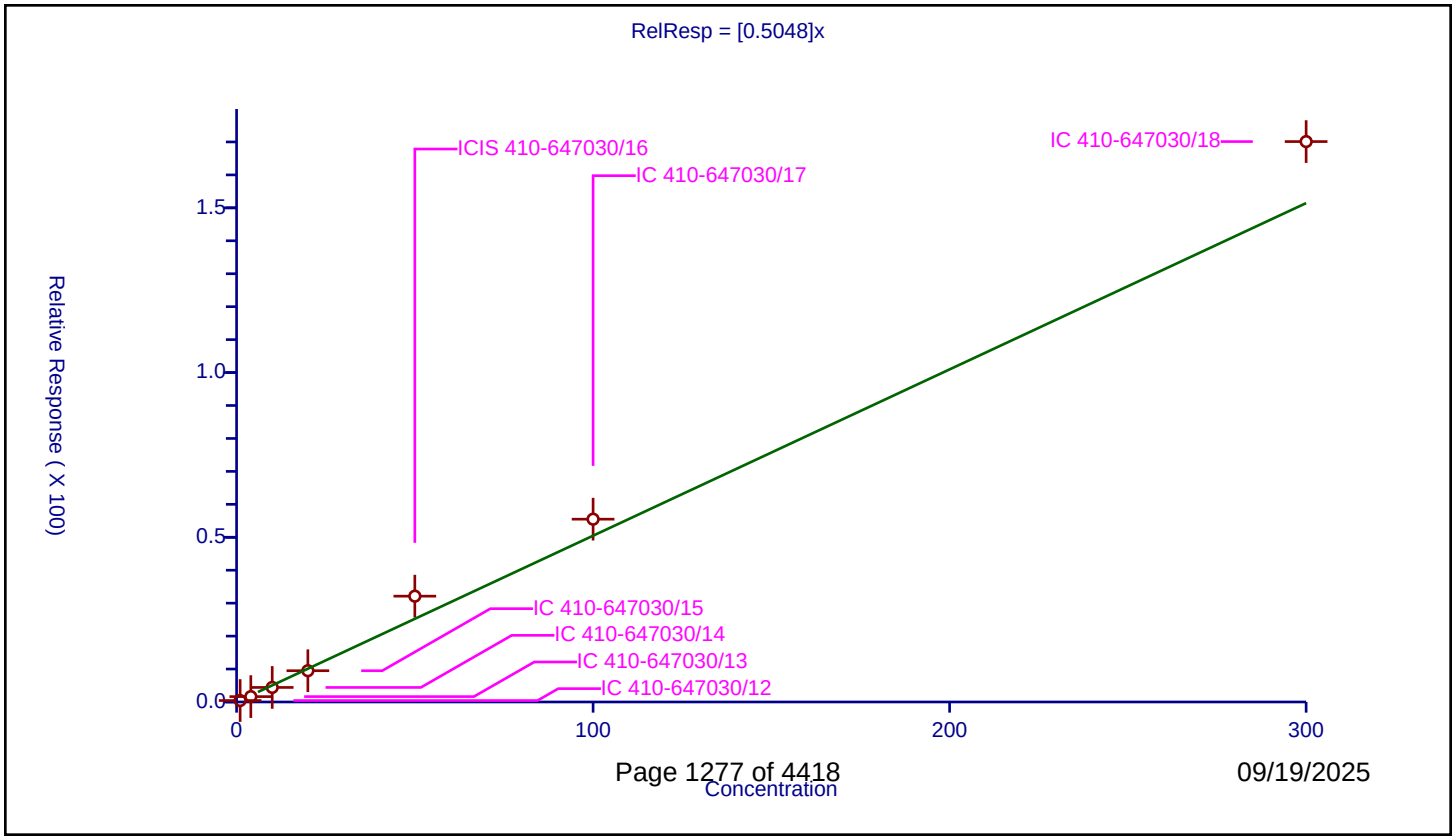
Curve Coefficients

Intercept:	0
Slope:	0.5048

Error Coefficients

Relative Standard Deviation:	16.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.445026	50.0	1142404.0	0.445026	Y
2	IC 410-647030/13	4.0	1.63096	50.0	1144326.0	0.40774	Y
3	IC 410-647030/14	10.0	4.417425	50.0	1197383.0	0.441743	Y
4	IC 410-647030/15	20.0	9.493447	50.0	1207238.0	0.474672	Y
5	ICIS 410-647030/16	50.0	32.120372	50.0	1235887.0	0.642407	Y
6	IC 410-647030/17	100.0	55.49052	50.0	1237278.0	0.554905	Y
7	IC 410-647030/18	300.0	170.112492	50.0	1292264.0	0.567042	Y



09/19/2025

Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

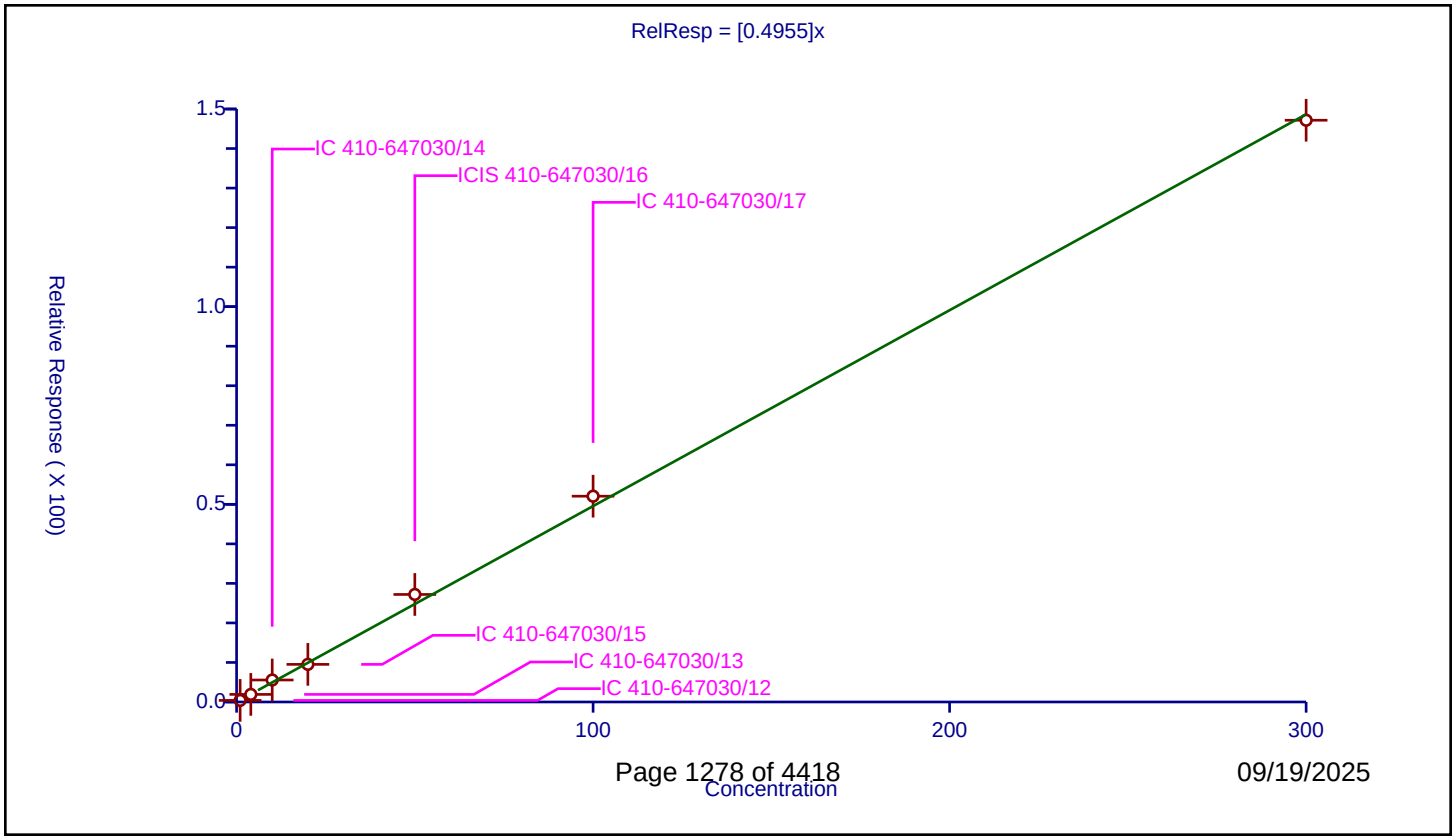
Curve Coefficients

Intercept:	0
Slope:	0.4955

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.401609	50.0	1142404.0	0.401609	Y
2	IC 410-647030/13	4.0	1.920301	50.0	1144326.0	0.480075	Y
3	IC 410-647030/14	10.0	5.560293	50.0	1197383.0	0.556029	Y
4	IC 410-647030/15	20.0	9.516268	50.0	1207238.0	0.475813	Y
5	ICIS 410-647030/16	50.0	27.203539	50.0	1235887.0	0.544071	Y
6	IC 410-647030/17	100.0	52.059198	50.0	1237278.0	0.520592	Y
7	IC 410-647030/18	300.0	147.163118	50.0	1292264.0	0.490544	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

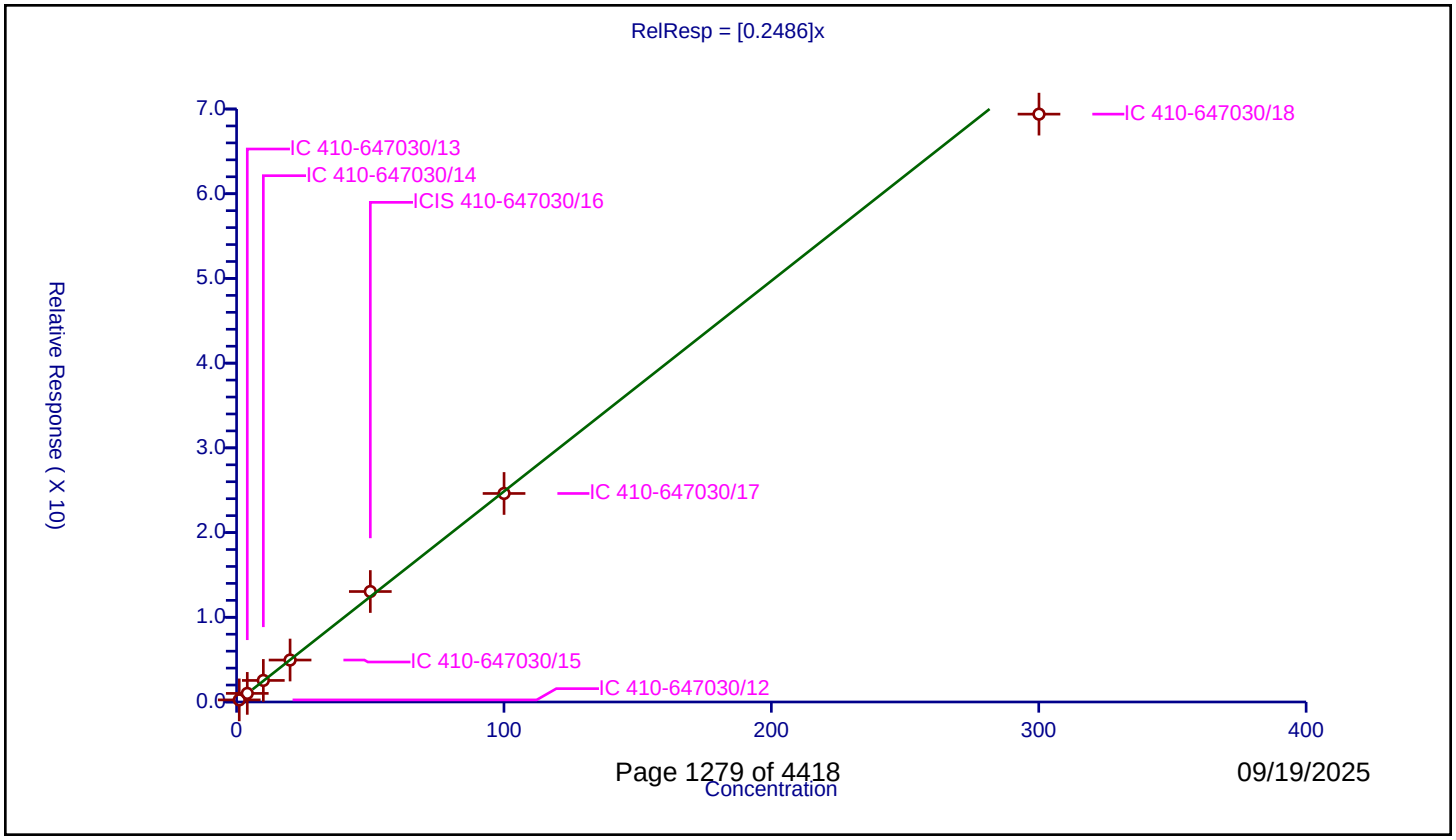
Curve Coefficients

Intercept:	0
Slope:	0.2486

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.000332	0.246104	50.0	1142404.0	0.246022	Y
2	IC 410-647030/13	4.001328	1.015838	50.0	1144326.0	0.253875	Y
3	IC 410-647030/14	10.00332	2.545635	50.0	1197383.0	0.254479	Y
4	IC 410-647030/15	20.00664	4.951923	50.0	1207238.0	0.247514	Y
5	ICIS 410-647030/16	50.0166	13.040594	50.0	1235887.0	0.260725	Y
6	IC 410-647030/17	100.0332	24.614234	50.0	1237278.0	0.246061	Y
7	IC 410-647030/18	300.0996	69.39476	50.0	1292264.0	0.231239	Y



Calibration / 1,2-Dichloro-1,1,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

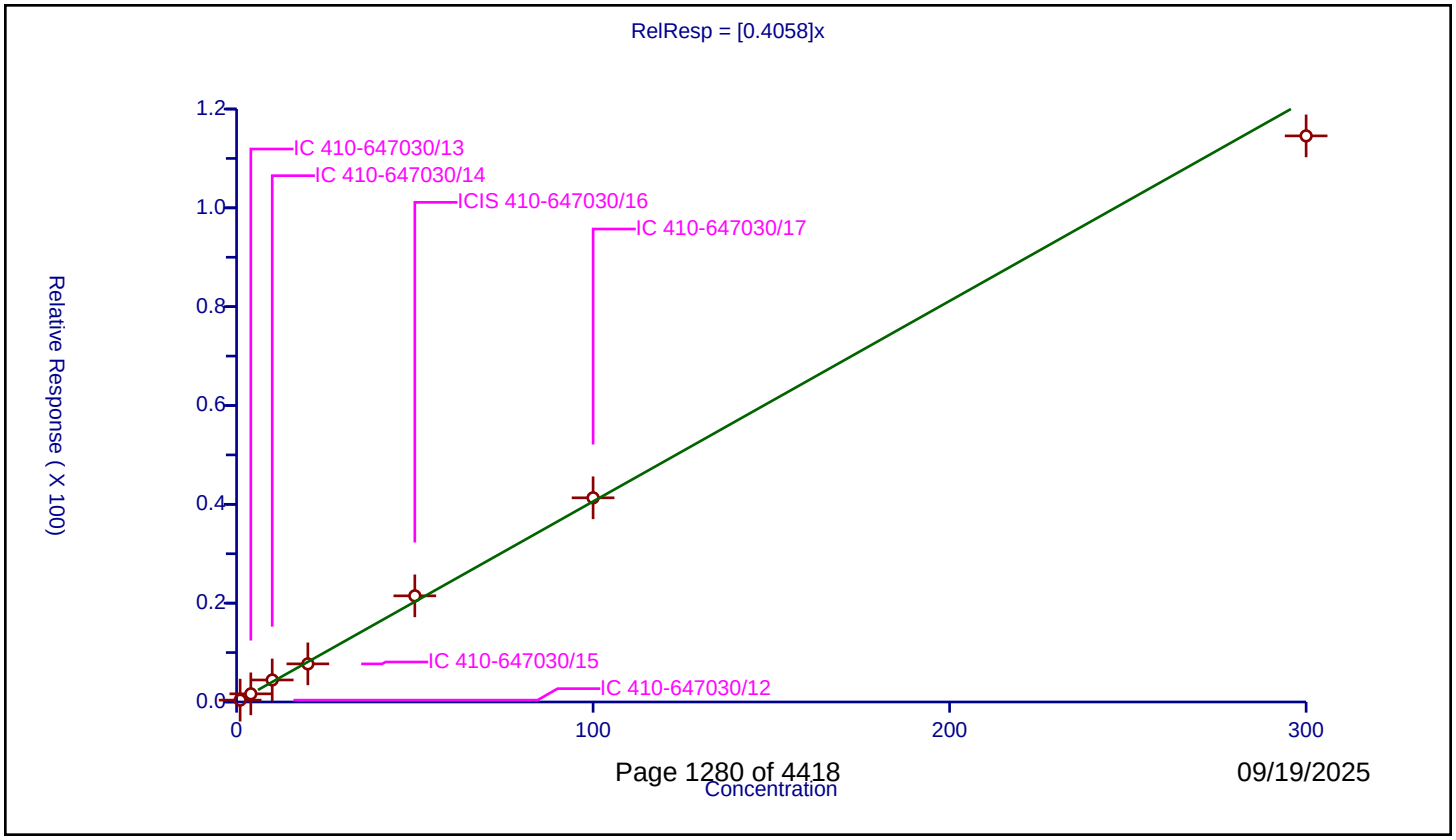
Curve Coefficients

Intercept:	0
Slope:	0.4058

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.373073	50.0	1142404.0	0.373073	Y
2	IC 410-647030/13	4.0	1.646559	50.0	1144326.0	0.41164	Y
3	IC 410-647030/14	10.0	4.452711	50.0	1197383.0	0.445271	Y
4	IC 410-647030/15	20.0	7.713226	50.0	1207238.0	0.385661	Y
5	ICIS 410-647030/16	50.0	21.481009	50.0	1235887.0	0.42962	Y
6	IC 410-647030/17	100.0	41.316907	50.0	1237278.0	0.413169	Y
7	IC 410-647030/18	300.0	114.56173	50.0	1292264.0	0.381872	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

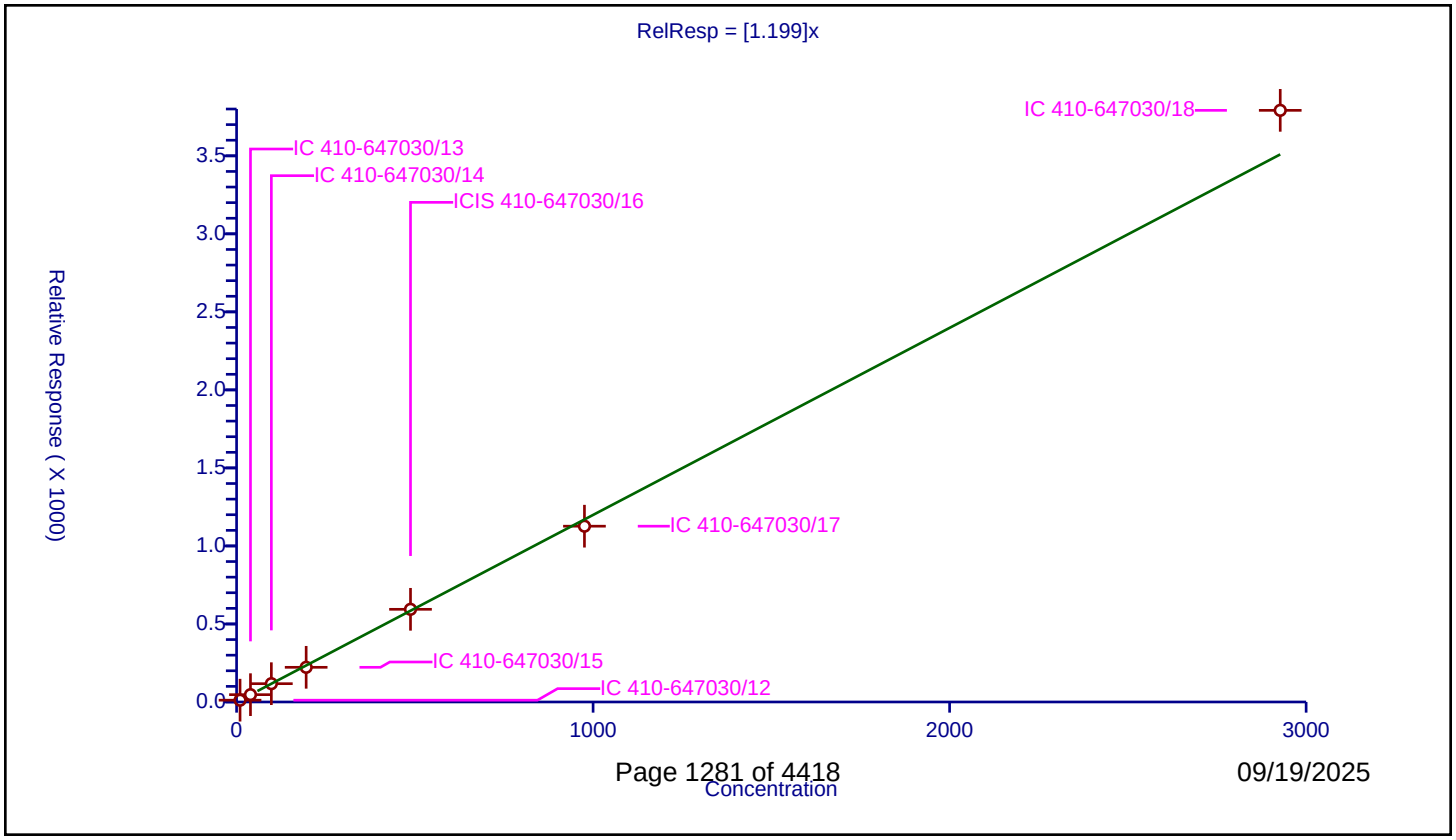
Curve Coefficients

Intercept:	0
Slope:	1.199

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	9.758146	11.526318	250.0	558049.0	1.1812	Y
2	IC 410-647030/13	39.032583	46.907485	250.0	535826.0	1.201752	Y
3	IC 410-647030/14	97.581458	117.300443	250.0	553376.0	1.202077	Y
4	IC 410-647030/15	195.162917	222.247407	250.0	538238.0	1.138779	Y
5	ICIS 410-647030/16	487.907292	593.911888	250.0	551887.0	1.217264	Y
6	IC 410-647030/17	975.814584	1126.593397	250.0	553848.0	1.154516	Y
7	IC 410-647030/18	2927.443753	3791.482556	250.0	530024.0	1.295151	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

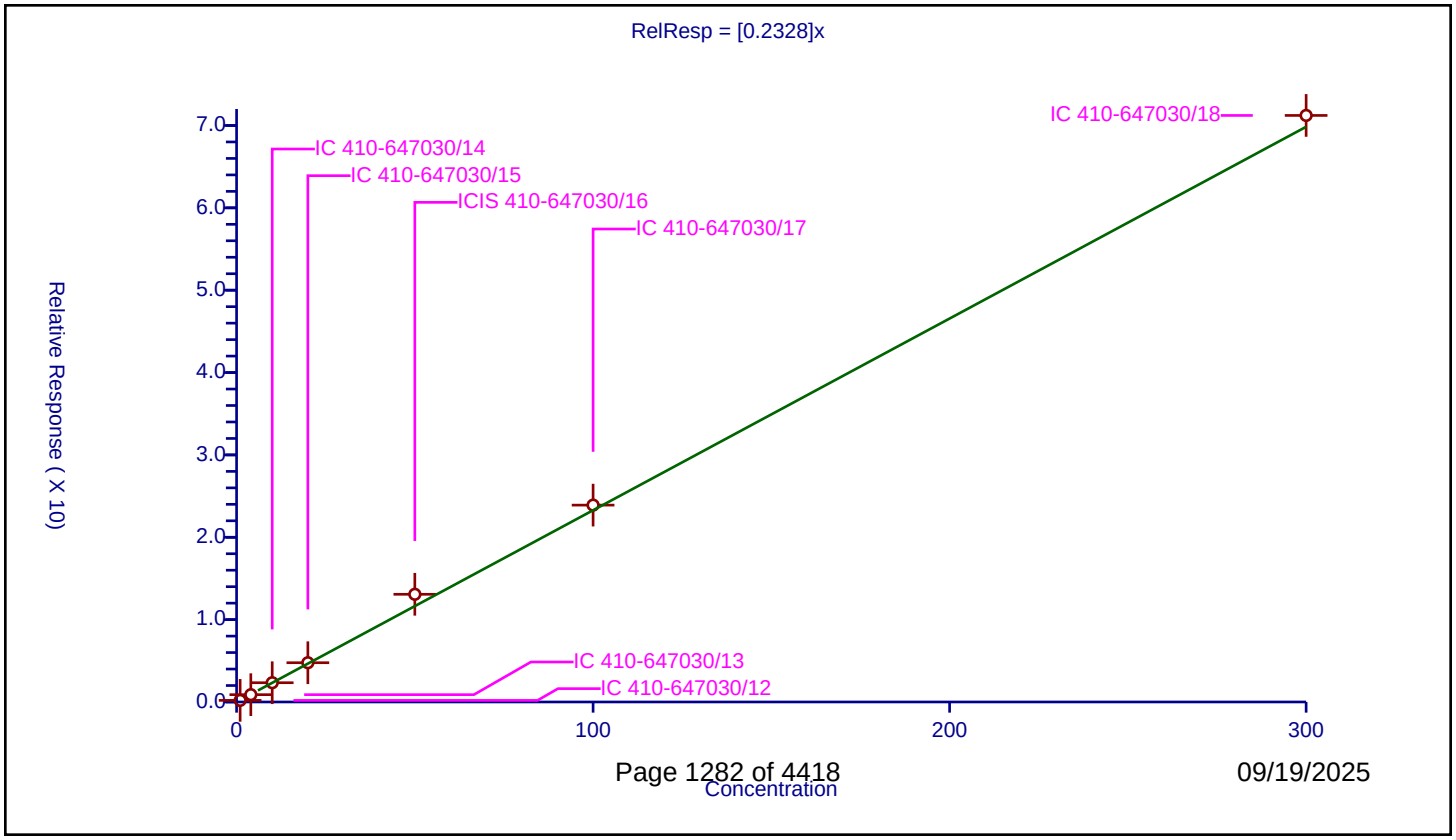
Curve Coefficients

Intercept:	0
Slope:	0.2328

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.197478	50.0	1142404.0	0.197478	Y
2	IC 410-647030/13	4.0	0.887597	50.0	1144326.0	0.221899	Y
3	IC 410-647030/14	10.0	2.338767	50.0	1197383.0	0.233877	Y
4	IC 410-647030/15	20.0	4.766541	50.0	1207238.0	0.238327	Y
5	ICIS 410-647030/16	50.0	13.077005	50.0	1235887.0	0.26154	Y
6	IC 410-647030/17	100.0	23.902551	50.0	1237278.0	0.239026	Y
7	IC 410-647030/18	300.0	71.221128	50.0	1292264.0	0.237404	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

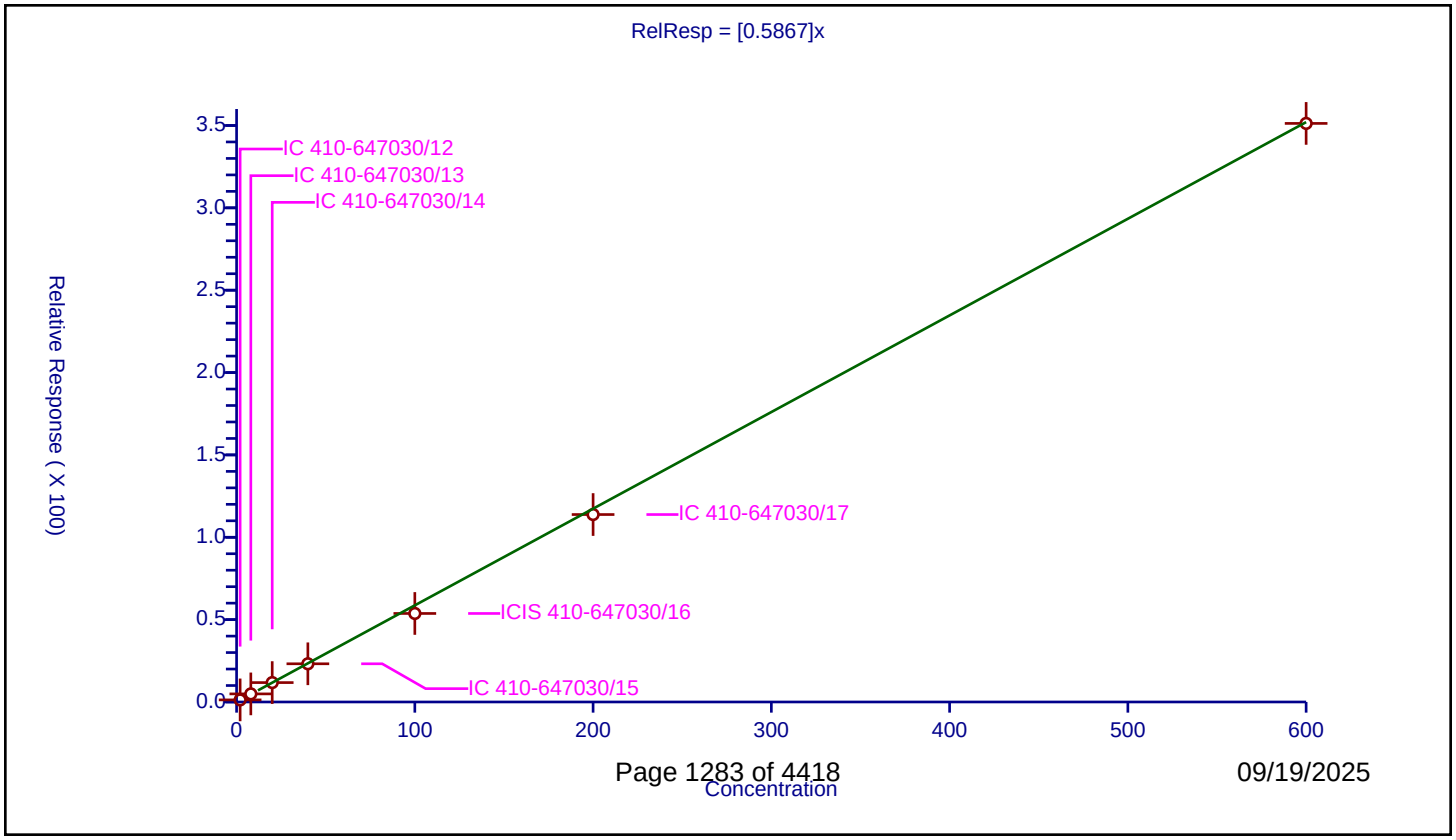
Curve Coefficients

Intercept:	0
Slope:	0.5867

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	2.0	1.26333	250.0	558049.0	0.631665	Y
2	IC 410-647030/13	8.0	4.917175	250.0	535826.0	0.614647	Y
3	IC 410-647030/14	20.0	11.779965	250.0	553376.0	0.588998	Y
4	IC 410-647030/15	40.0	23.196987	250.0	538238.0	0.579925	Y
5	ICIS 410-647030/16	100.0	53.738356	250.0	551887.0	0.537384	Y
6	IC 410-647030/17	200.0	113.802433	250.0	553848.0	0.569012	Y
7	IC 410-647030/18	600.0	351.264754	250.0	530024.0	0.585441	Y



09/19/2025

Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

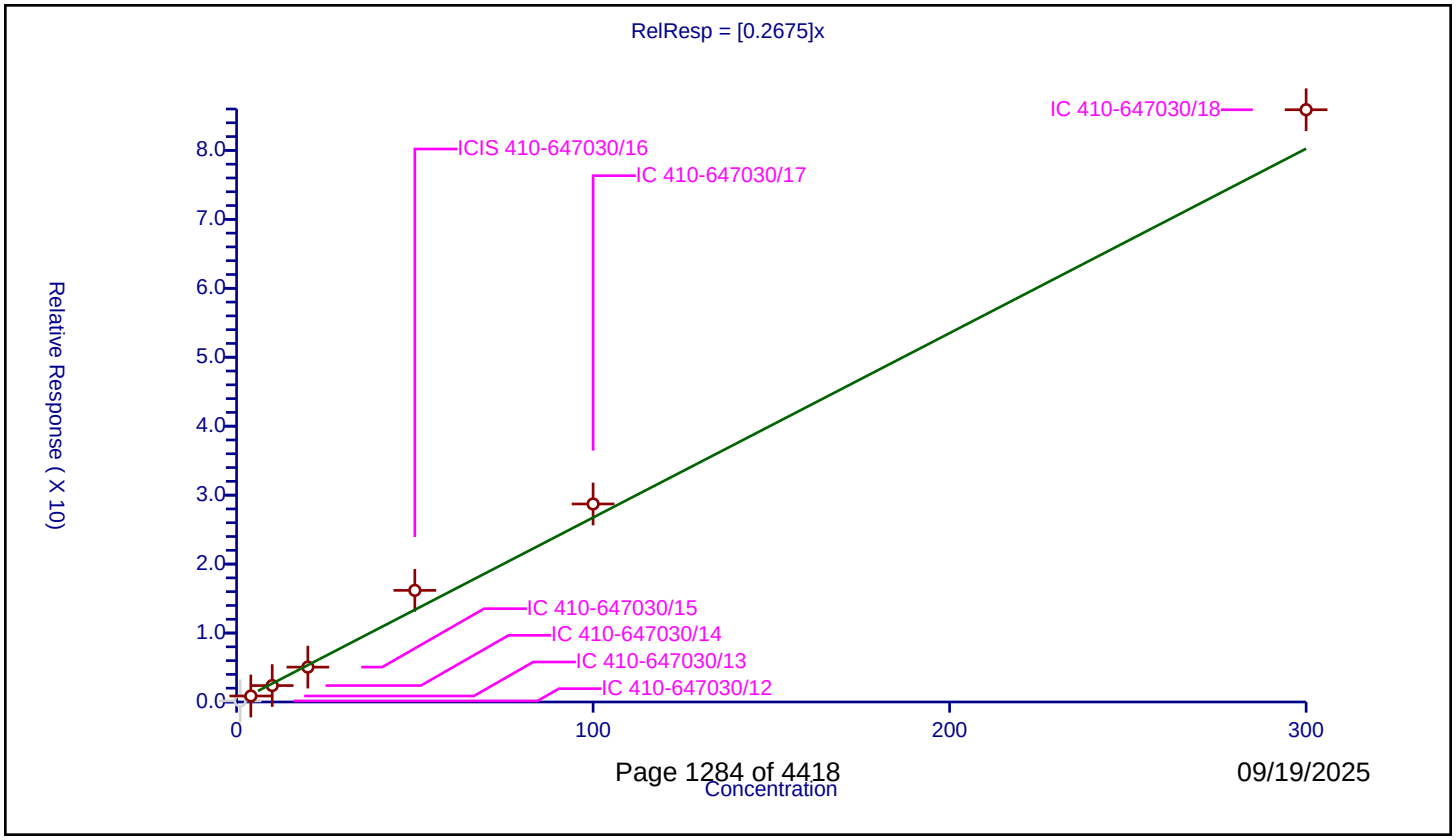
Curve Coefficients

Intercept:	0
Slope:	0.2675

Error Coefficients

Relative Standard Deviation:	14.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.159007	50.0	1142404.0	0.159007	N
2	IC 410-647030/13	4.0	0.867891	50.0	1144326.0	0.216973	Y
3	IC 410-647030/14	10.0	2.378562	50.0	1197383.0	0.237856	Y
4	IC 410-647030/15	20.0	5.057992	50.0	1207238.0	0.2529	Y
5	ICIS 410-647030/16	50.0	16.1872	50.0	1235887.0	0.323744	Y
6	IC 410-647030/17	100.0	28.719738	50.0	1237278.0	0.287197	Y
7	IC 410-647030/18	300.0	85.8946	50.0	1292264.0	0.286315	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

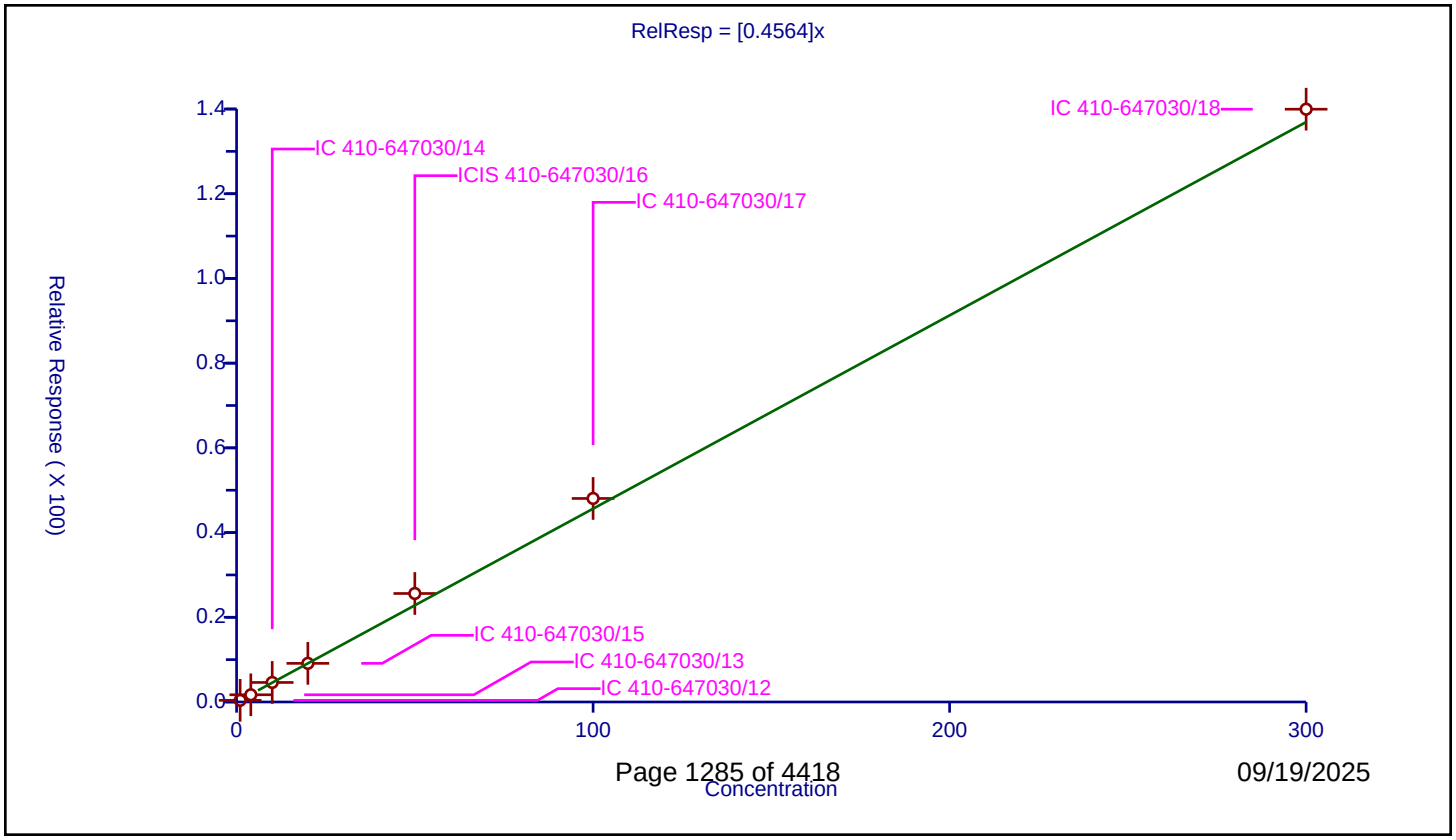
Curve Coefficients

Intercept:	0
Slope:	0.4564

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.392593	50.0	1142404.0	0.392593	Y
2	IC 410-647030/13	4.0	1.703186	50.0	1144326.0	0.425796	Y
3	IC 410-647030/14	10.0	4.608801	50.0	1197383.0	0.46088	Y
4	IC 410-647030/15	20.0	9.12024	50.0	1207238.0	0.456012	Y
5	ICIS 410-647030/16	50.0	25.617997	50.0	1235887.0	0.51236	Y
6	IC 410-647030/17	100.0	48.054803	50.0	1237278.0	0.480548	Y
7	IC 410-647030/18	300.0	139.955497	50.0	1292264.0	0.466518	Y



09/19/2025

Calibration / Isopropyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

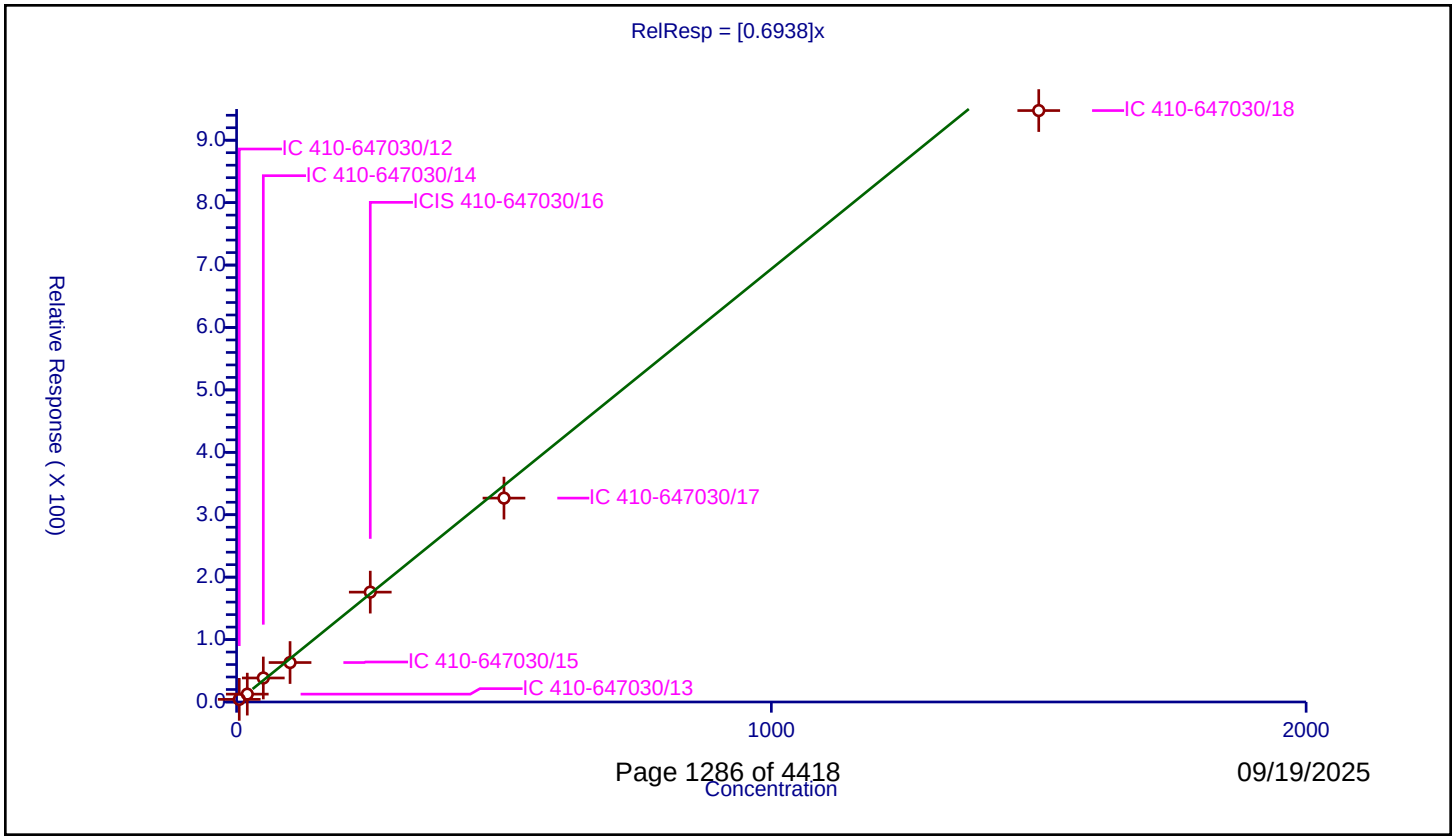
Curve Coefficients

Intercept:	0
Slope:	0.6938

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	5.0	4.1887	250.0	558049.0	0.83774	Y
2	IC 410-647030/13	20.0	12.567513	250.0	535826.0	0.628376	Y
3	IC 410-647030/14	50.0	38.479714	250.0	553376.0	0.769594	Y
4	IC 410-647030/15	100.0	63.188125	250.0	538238.0	0.631881	Y
5	ICIS 410-647030/16	250.0	175.988472	250.0	551887.0	0.703954	Y
6	IC 410-647030/17	500.0	326.647835	250.0	553848.0	0.653296	Y
7	IC 410-647030/18	1500.0	947.516528	250.0	530024.0	0.631678	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

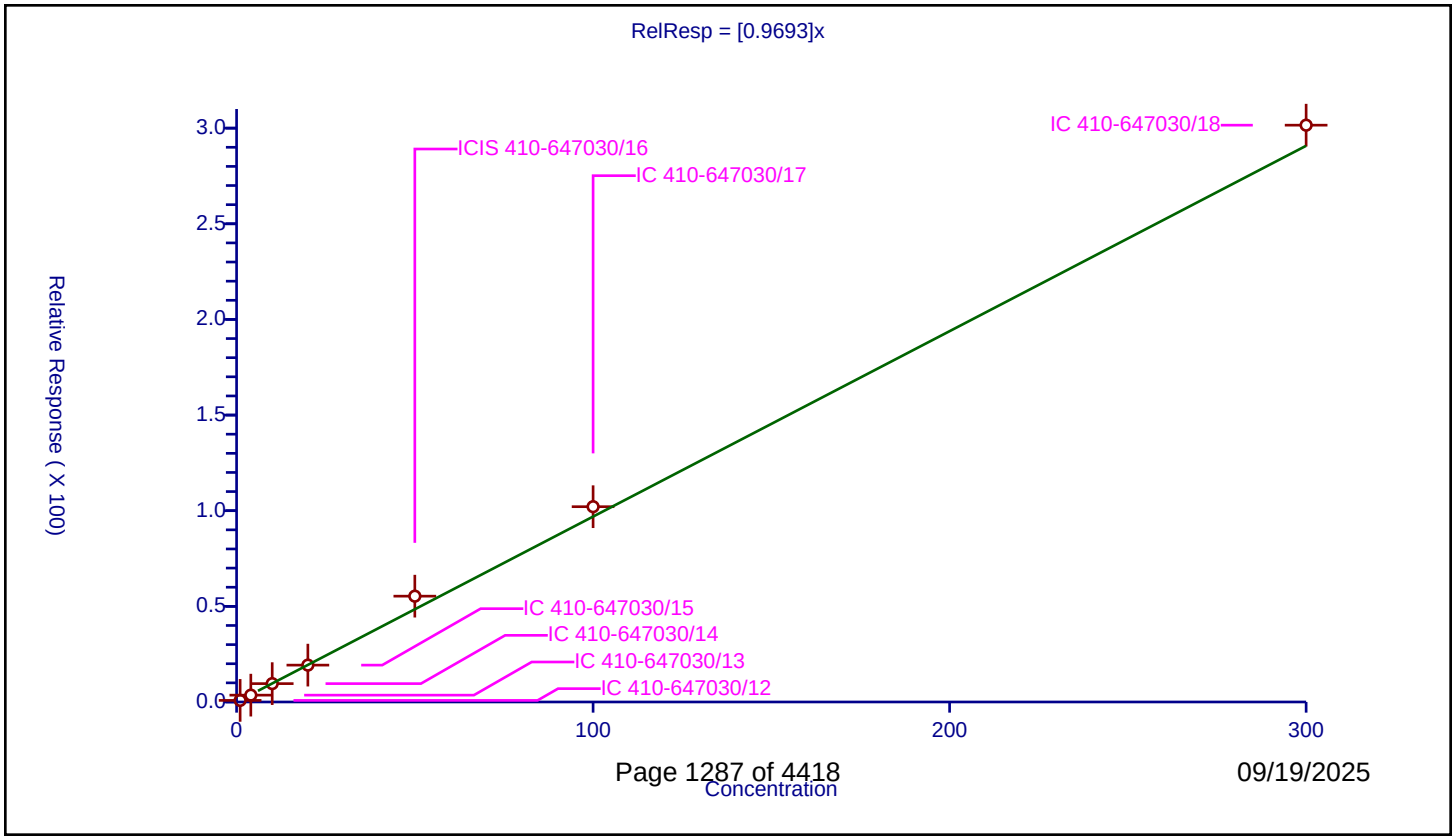
Curve Coefficients

Intercept:	0
Slope:	0.9693

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.834162	50.0	1142404.0	0.834162	Y
2	IC 410-647030/13	4.0	3.577302	50.0	1144326.0	0.894326	Y
3	IC 410-647030/14	10.0	9.602107	50.0	1197383.0	0.960211	Y
4	IC 410-647030/15	20.0	19.273085	50.0	1207238.0	0.963654	Y
5	ICIS 410-647030/16	50.0	55.320227	50.0	1235887.0	1.106405	Y
6	IC 410-647030/17	100.0	102.092779	50.0	1237278.0	1.020928	Y
7	IC 410-647030/18	300.0	301.554907	50.0	1292264.0	1.005183	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

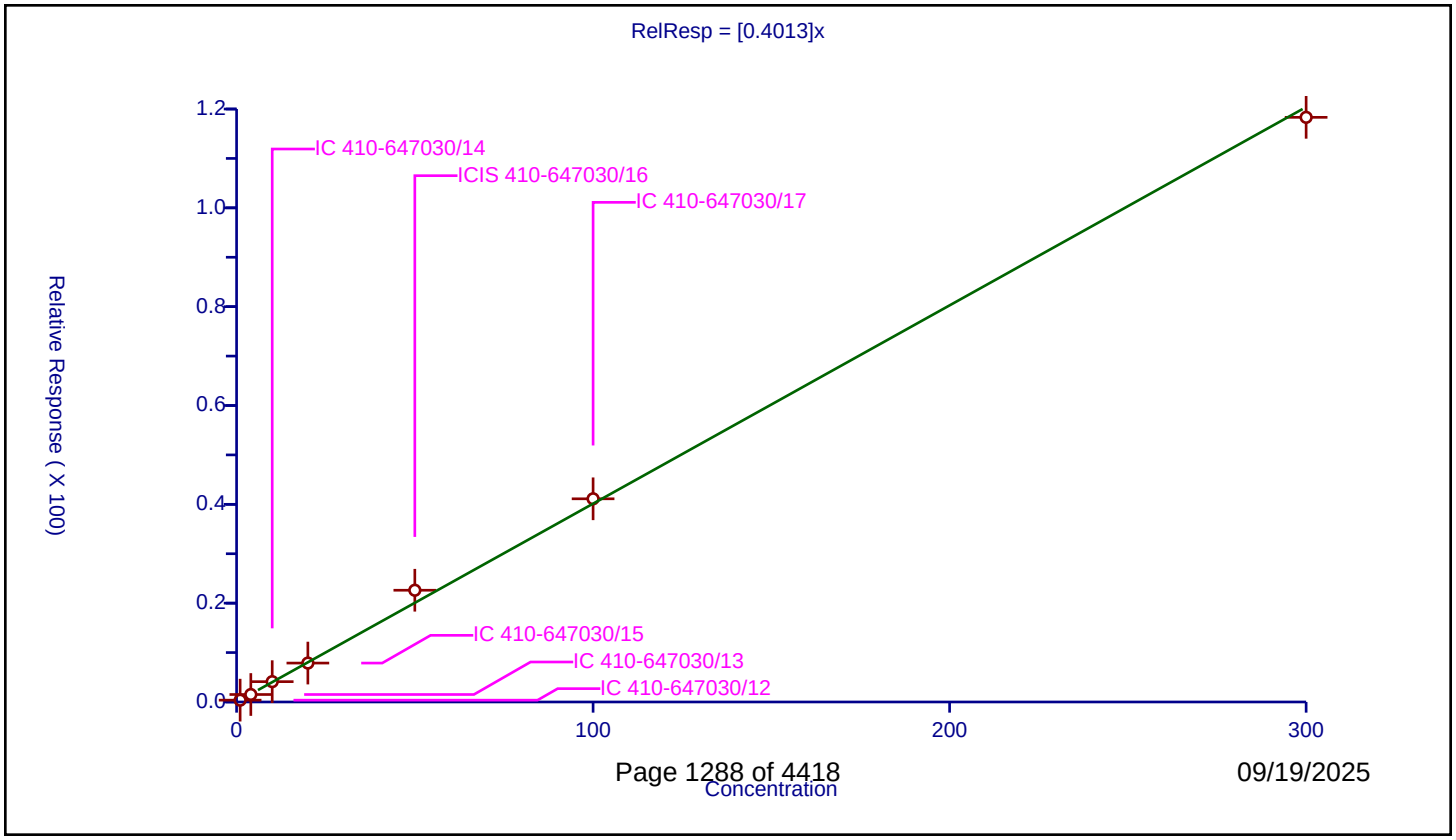
Curve Coefficients

Intercept:	0
Slope:	0.4013

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.367252	50.0	1142404.0	0.367252	Y
2	IC 410-647030/13	4.0	1.515521	50.0	1144326.0	0.37888	Y
3	IC 410-647030/14	10.0	4.113596	50.0	1197383.0	0.41136	Y
4	IC 410-647030/15	20.0	7.877444	50.0	1207238.0	0.393872	Y
5	ICIS 410-647030/16	50.0	22.612302	50.0	1235887.0	0.452246	Y
6	IC 410-647030/17	100.0	41.121114	50.0	1237278.0	0.411211	Y
7	IC 410-647030/18	300.0	118.313905	50.0	1292264.0	0.39438	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

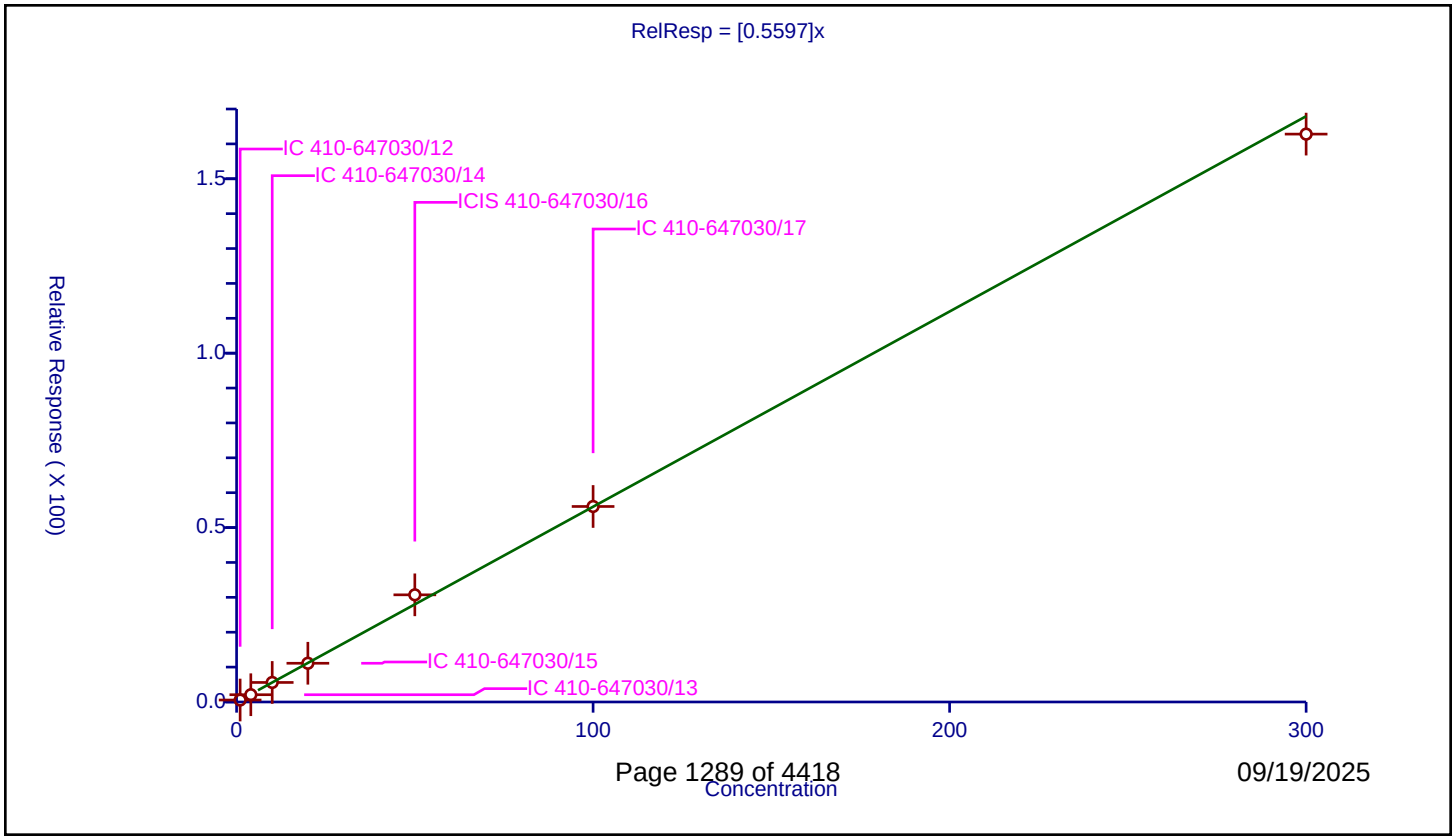
Curve Coefficients

Intercept:	0
Slope:	0.5597

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.564774	50.0	1142404.0	0.564774	Y
2	IC 410-647030/13	4.0	2.083104	50.0	1144326.0	0.520776	Y
3	IC 410-647030/14	10.0	5.598292	50.0	1197383.0	0.559829	Y
4	IC 410-647030/15	20.0	11.105308	50.0	1207238.0	0.555265	Y
5	ICIS 410-647030/16	50.0	30.721781	50.0	1235887.0	0.614436	Y
6	IC 410-647030/17	100.0	56.047671	50.0	1237278.0	0.560477	Y
7	IC 410-647030/18	300.0	162.807638	50.0	1292264.0	0.542692	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

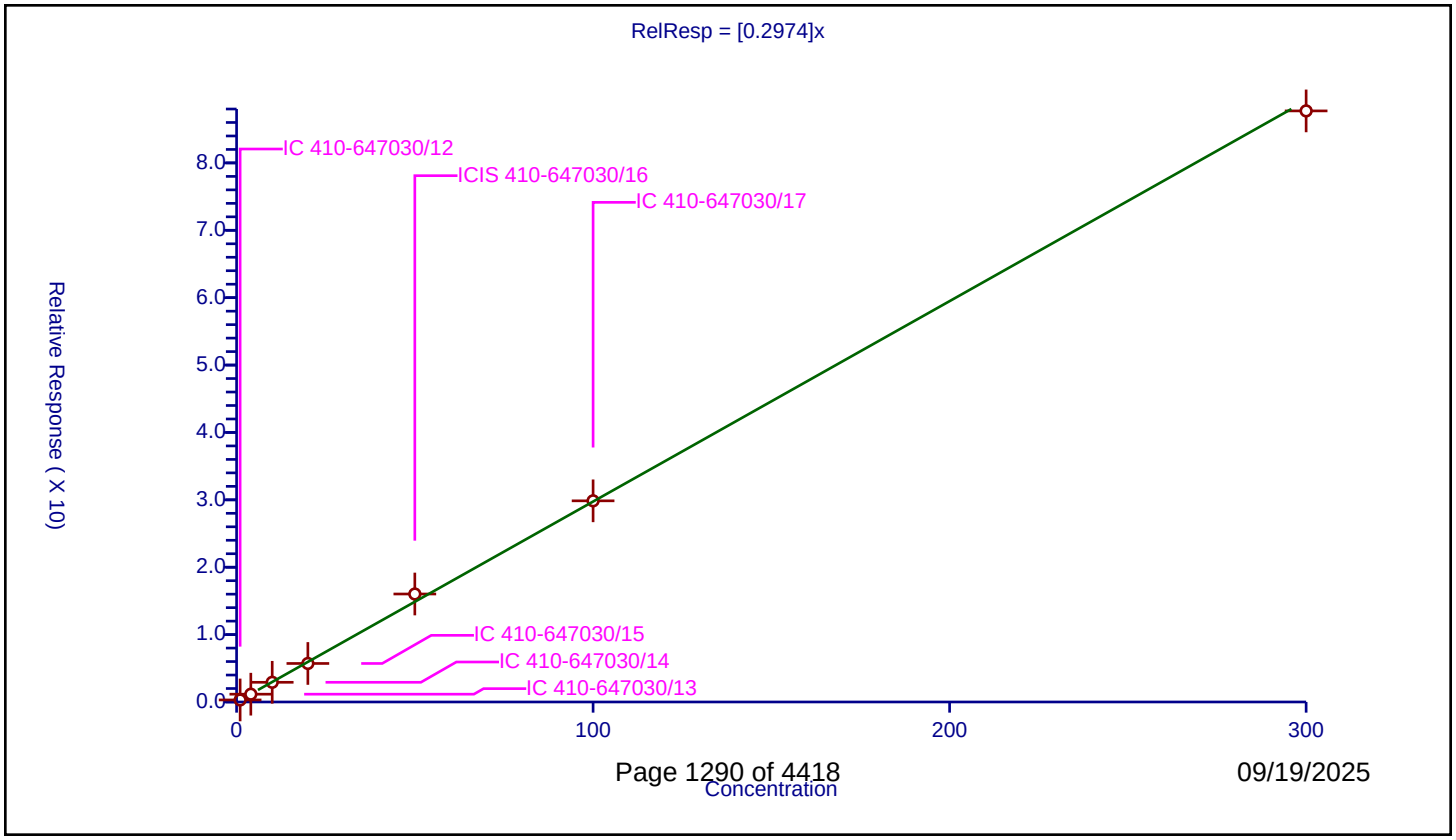
Curve Coefficients

Intercept:	0
Slope:	0.2974

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.303264	50.0	1142404.0	0.303264	Y
2	IC 410-647030/13	4.0	1.157581	50.0	1144326.0	0.289395	Y
3	IC 410-647030/14	10.0	2.921079	50.0	1197383.0	0.292108	Y
4	IC 410-647030/15	20.0	5.716189	50.0	1207238.0	0.285809	Y
5	ICIS 410-647030/16	50.0	16.026142	50.0	1235887.0	0.320523	Y
6	IC 410-647030/17	100.0	29.854649	50.0	1237278.0	0.298546	Y
7	IC 410-647030/18	300.0	87.720775	50.0	1292264.0	0.292403	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

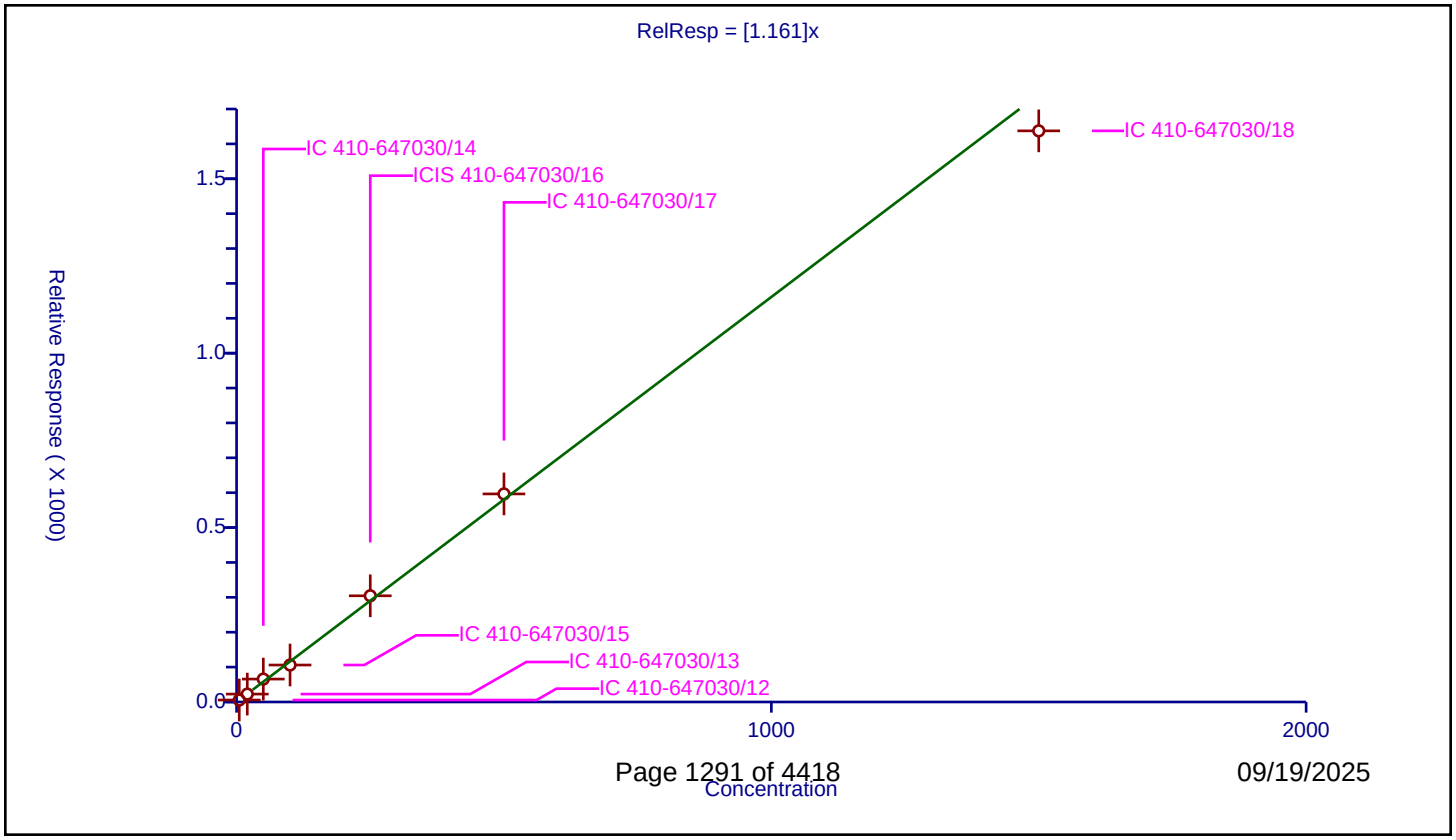
Curve Coefficients

Intercept:	0
Slope:	1.161

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	5.0	5.590011	250.0	558049.0	1.118002	Y
2	IC 410-647030/13	20.0	22.651943	250.0	535826.0	1.132597	Y
3	IC 410-647030/14	50.0	65.726558	250.0	553376.0	1.314531	Y
4	IC 410-647030/15	100.0	106.010724	250.0	538238.0	1.060107	Y
5	ICIS 410-647030/16	250.0	304.489415	250.0	551887.0	1.217958	Y
6	IC 410-647030/17	500.0	596.539574	250.0	553848.0	1.193079	Y
7	IC 410-647030/18	1500.0	1637.387175	250.0	530024.0	1.091591	Y



09/19/2025

Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

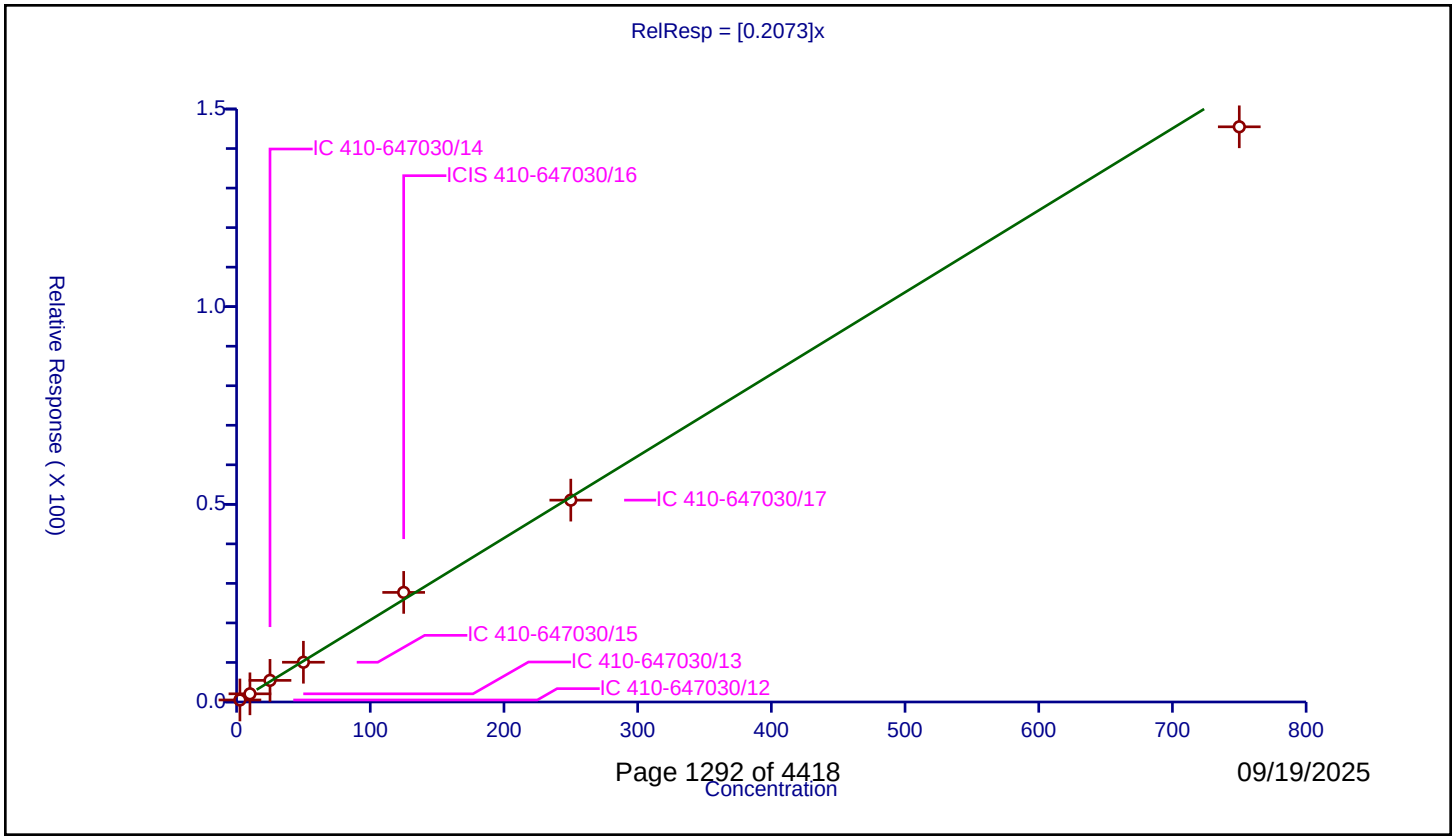
Curve Coefficients

Intercept:	0
Slope:	0.2073

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	2.5	0.510984	50.0	1142404.0	0.204394	Y
2	IC 410-647030/13	10.0	2.066151	50.0	1144326.0	0.206615	Y
3	IC 410-647030/14	25.0	5.466463	50.0	1197383.0	0.218659	Y
4	IC 410-647030/15	50.0	10.057048	50.0	1207238.0	0.201141	Y
5	ICIS 410-647030/16	125.0	27.722518	50.0	1235887.0	0.22178	Y
6	IC 410-647030/17	250.0	51.061241	50.0	1237278.0	0.204245	Y
7	IC 410-647030/18	750.0	145.503937	50.0	1292264.0	0.194005	Y



09/19/2025

Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

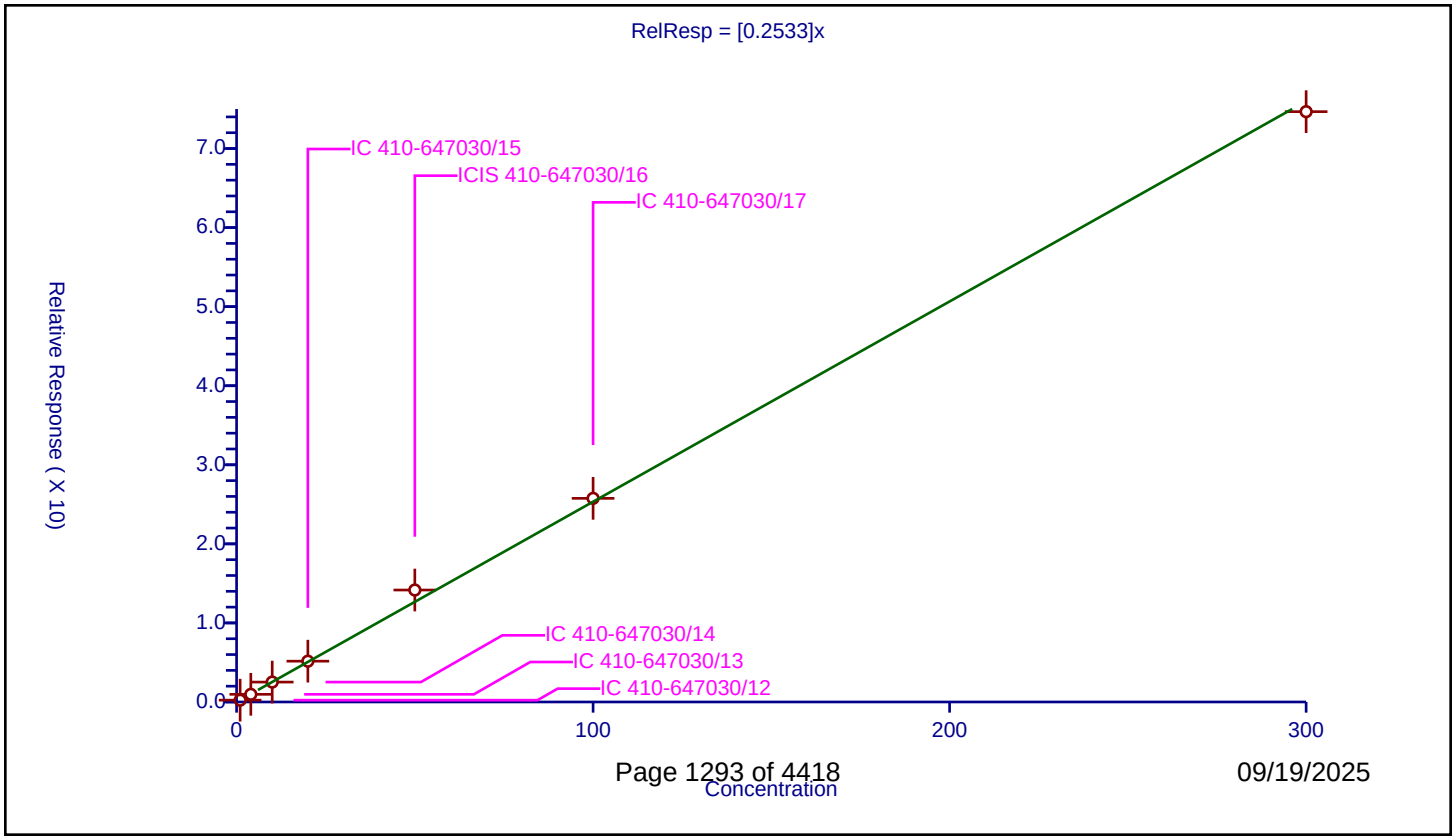
Curve Coefficients

Intercept:	0
Slope:	0.2533

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.231048	50.0	1142404.0	0.231048	Y
2	IC 410-647030/13	4.0	0.969348	50.0	1144326.0	0.242337	Y
3	IC 410-647030/14	10.0	2.519286	50.0	1197383.0	0.251929	Y
4	IC 410-647030/15	20.0	5.161078	50.0	1207238.0	0.258054	Y
5	ICIS 410-647030/16	50.0	14.16157	50.0	1235887.0	0.283231	Y
6	IC 410-647030/17	100.0	25.754964	50.0	1237278.0	0.25755	Y
7	IC 410-647030/18	300.0	74.666283	50.0	1292264.0	0.248888	Y



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

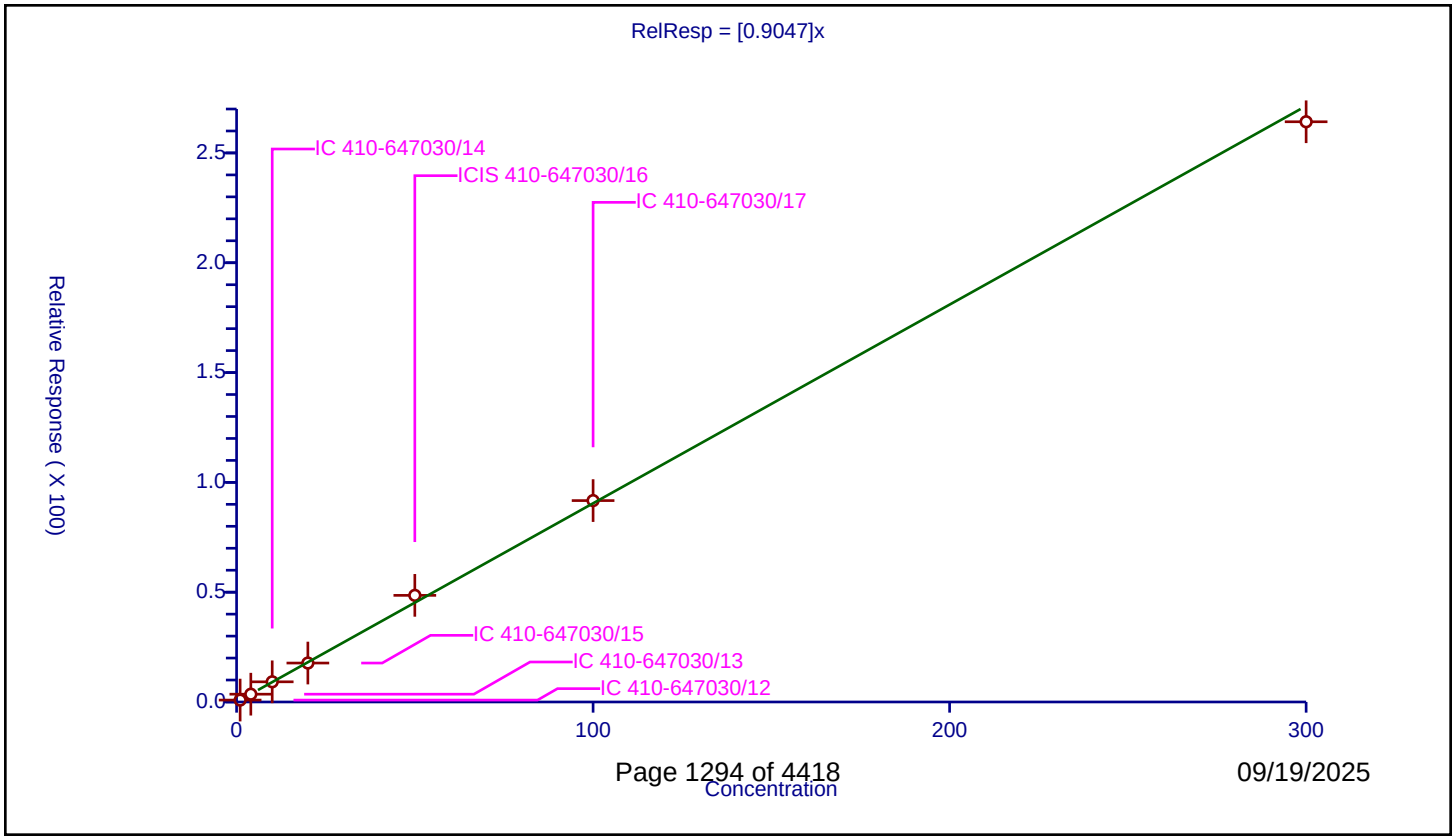
Curve Coefficients

Intercept:	0
Slope:	0.9047

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.87132	50.0	1142404.0	0.87132	Y
2	IC 410-647030/13	4.0	3.547853	50.0	1144326.0	0.886963	Y
3	IC 410-647030/14	10.0	9.189875	50.0	1197383.0	0.918987	Y
4	IC 410-647030/15	20.0	17.733786	50.0	1207238.0	0.886689	Y
5	ICIS 410-647030/16	50.0	48.554925	50.0	1235887.0	0.971098	Y
6	IC 410-647030/17	100.0	91.702067	50.0	1237278.0	0.917021	Y
7	IC 410-647030/18	300.0	264.193655	50.0	1292264.0	0.880646	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

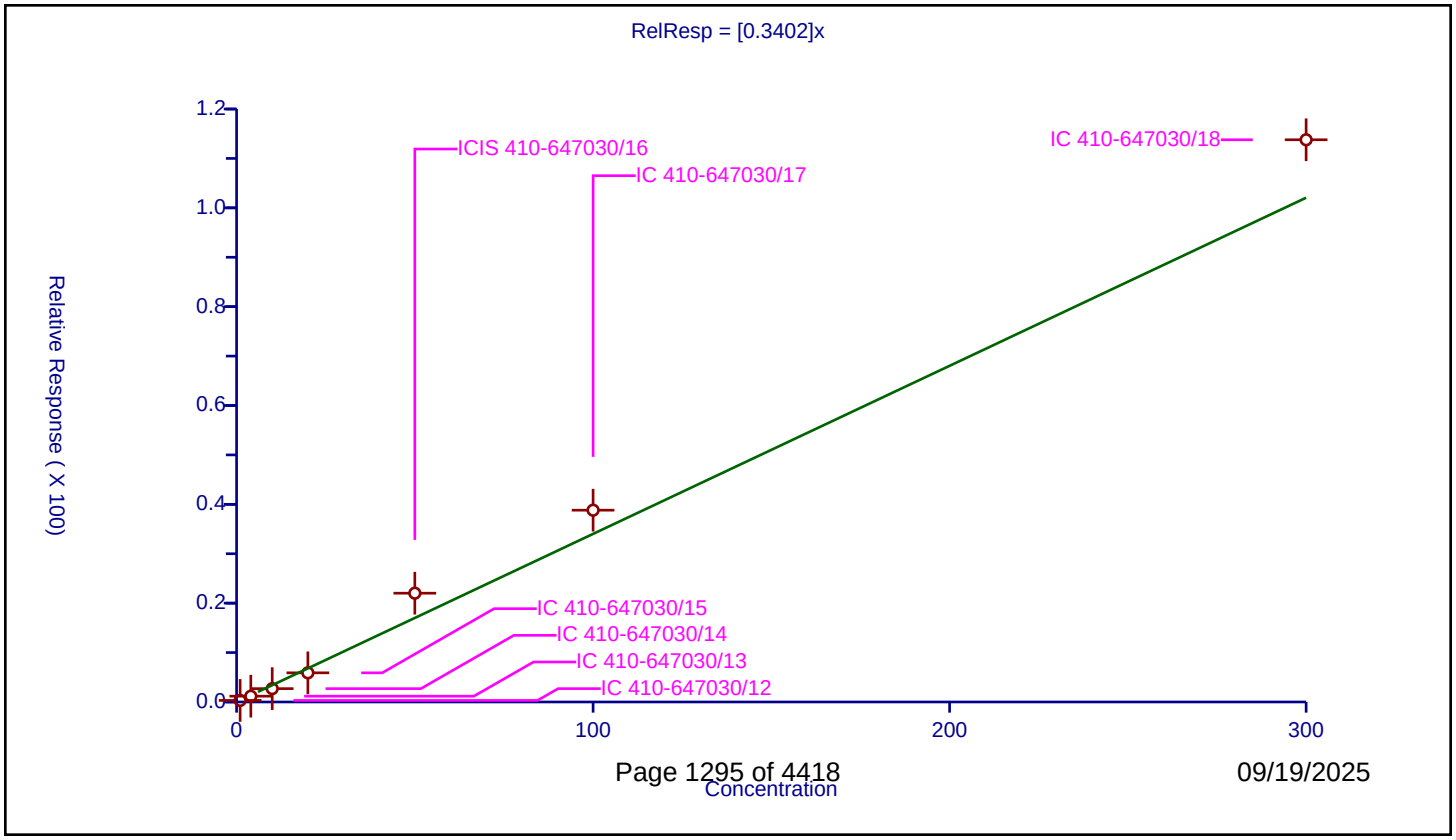
Curve Coefficients

Intercept:	0
Slope:	0.3402

Error Coefficients

Relative Standard Deviation:	18.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.314468	50.0	1142404.0	0.314468	Y
2	IC 410-647030/13	4.0	1.175714	50.0	1144326.0	0.293928	Y
3	IC 410-647030/14	10.0	2.700055	50.0	1197383.0	0.270006	Y
4	IC 410-647030/15	20.0	5.900162	50.0	1207238.0	0.295008	Y
5	ICIS 410-647030/16	50.0	22.015281	50.0	1235887.0	0.440306	Y
6	IC 410-647030/17	100.0	38.813225	50.0	1237278.0	0.388132	Y
7	IC 410-647030/18	300.0	113.776906	50.0	1292264.0	0.379256	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

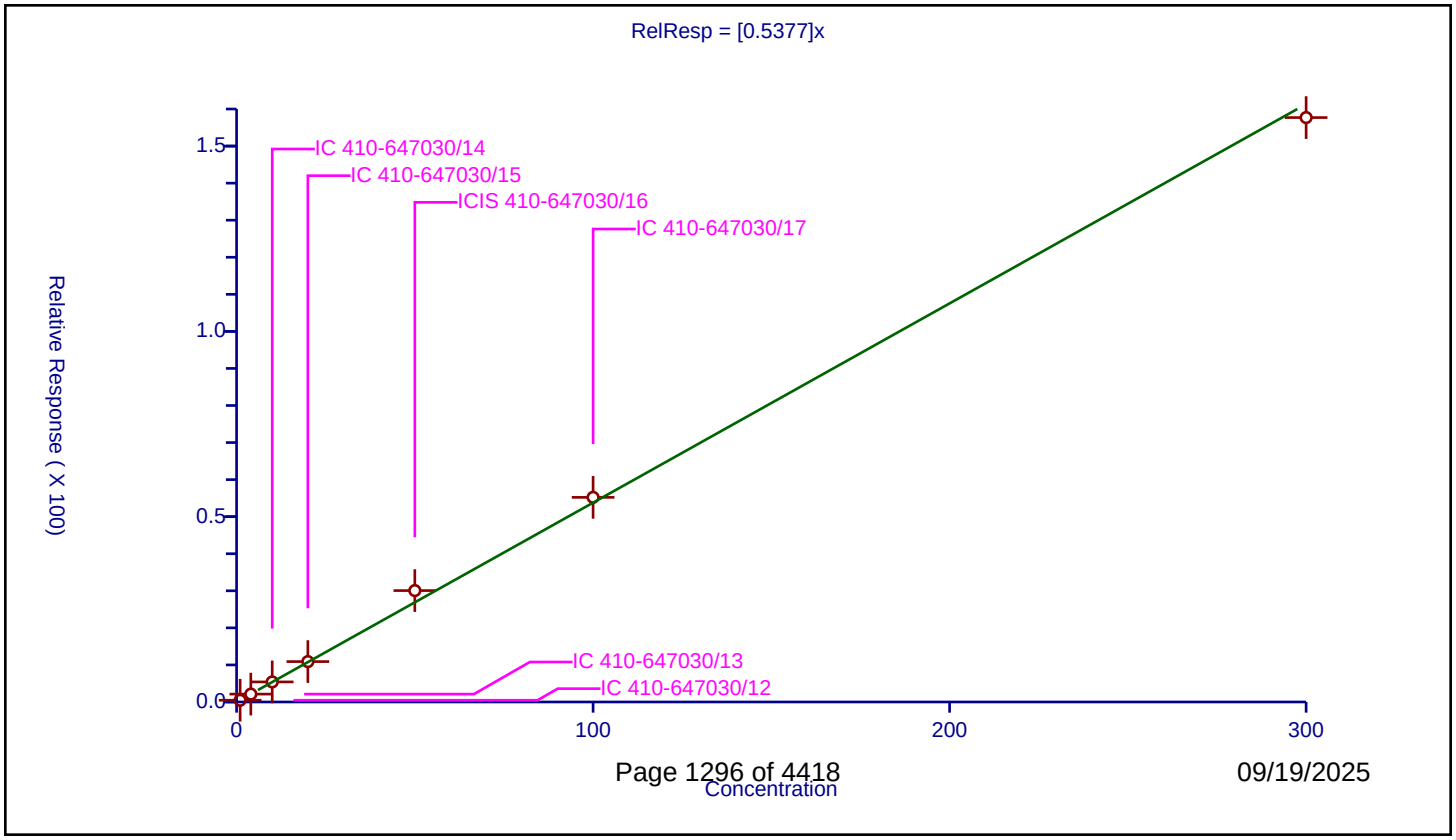
Curve Coefficients

Intercept:	0
Slope:	0.5377

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.467698	50.0	1142404.0	0.467698	Y
2	IC 410-647030/13	4.0	2.125924	50.0	1144326.0	0.531481	Y
3	IC 410-647030/14	10.0	5.413431	50.0	1197383.0	0.541343	Y
4	IC 410-647030/15	20.0	10.896443	50.0	1207238.0	0.544822	Y
5	ICIS 410-647030/16	50.0	30.056389	50.0	1235887.0	0.601128	Y
6	IC 410-647030/17	100.0	55.213945	50.0	1237278.0	0.552139	Y
7	IC 410-647030/18	300.0	157.690302	50.0	1292264.0	0.525634	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

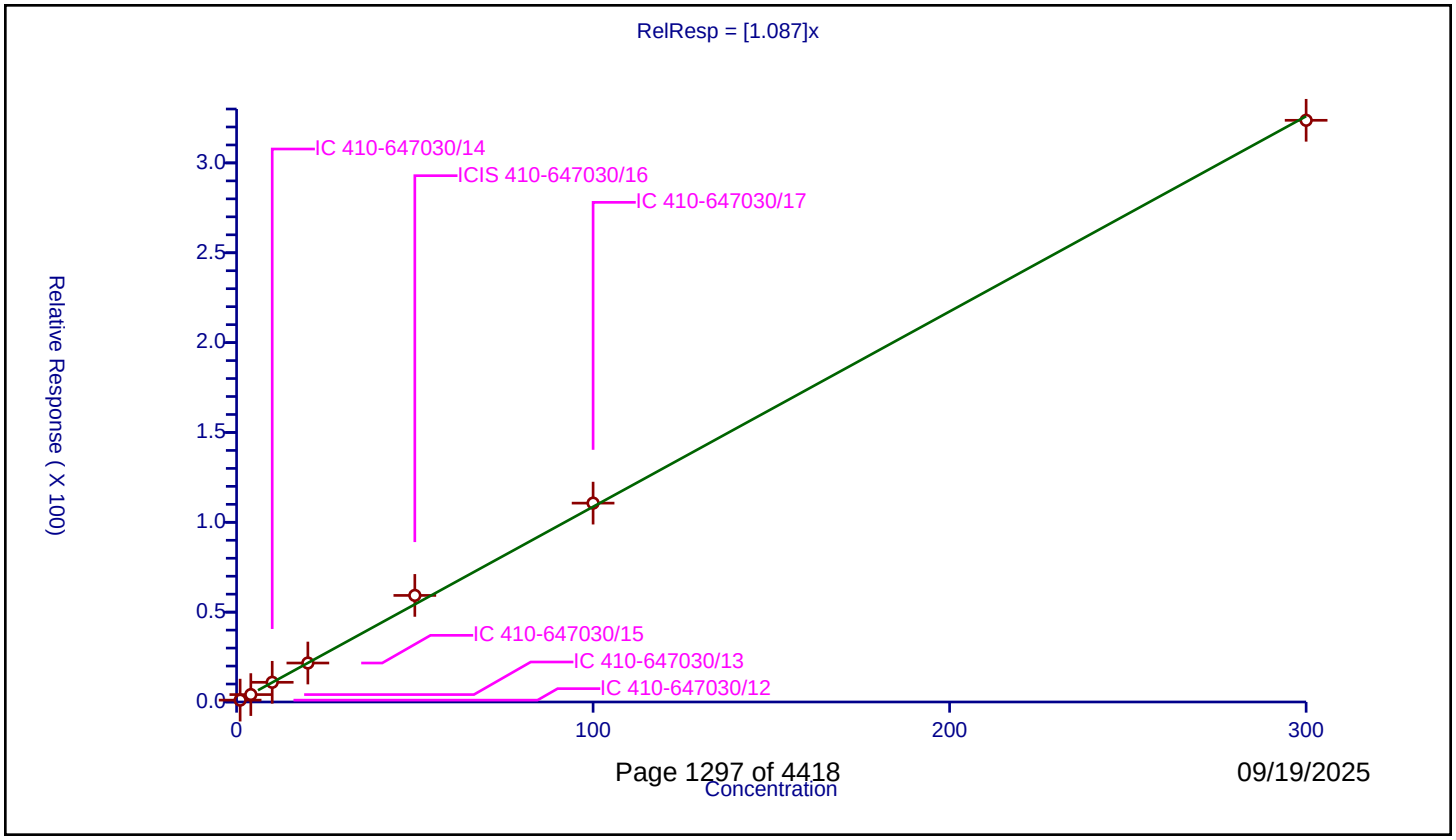
Curve Coefficients

Intercept:	0
Slope:	1.087

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	1.025119	50.0	1142404.0	1.025119	Y
2	IC 410-647030/13	4.0	4.111503	50.0	1144326.0	1.027876	Y
3	IC 410-647030/14	10.0	10.96604	50.0	1197383.0	1.096604	Y
4	IC 410-647030/15	20.0	21.689344	50.0	1207238.0	1.084467	Y
5	ICIS 410-647030/16	50.0	59.306959	50.0	1235887.0	1.186139	Y
6	IC 410-647030/17	100.0	110.675774	50.0	1237278.0	1.106758	Y
7	IC 410-647030/18	300.0	323.729207	50.0	1292264.0	1.079097	Y



Calibration / 2-Chloro-1,3-butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

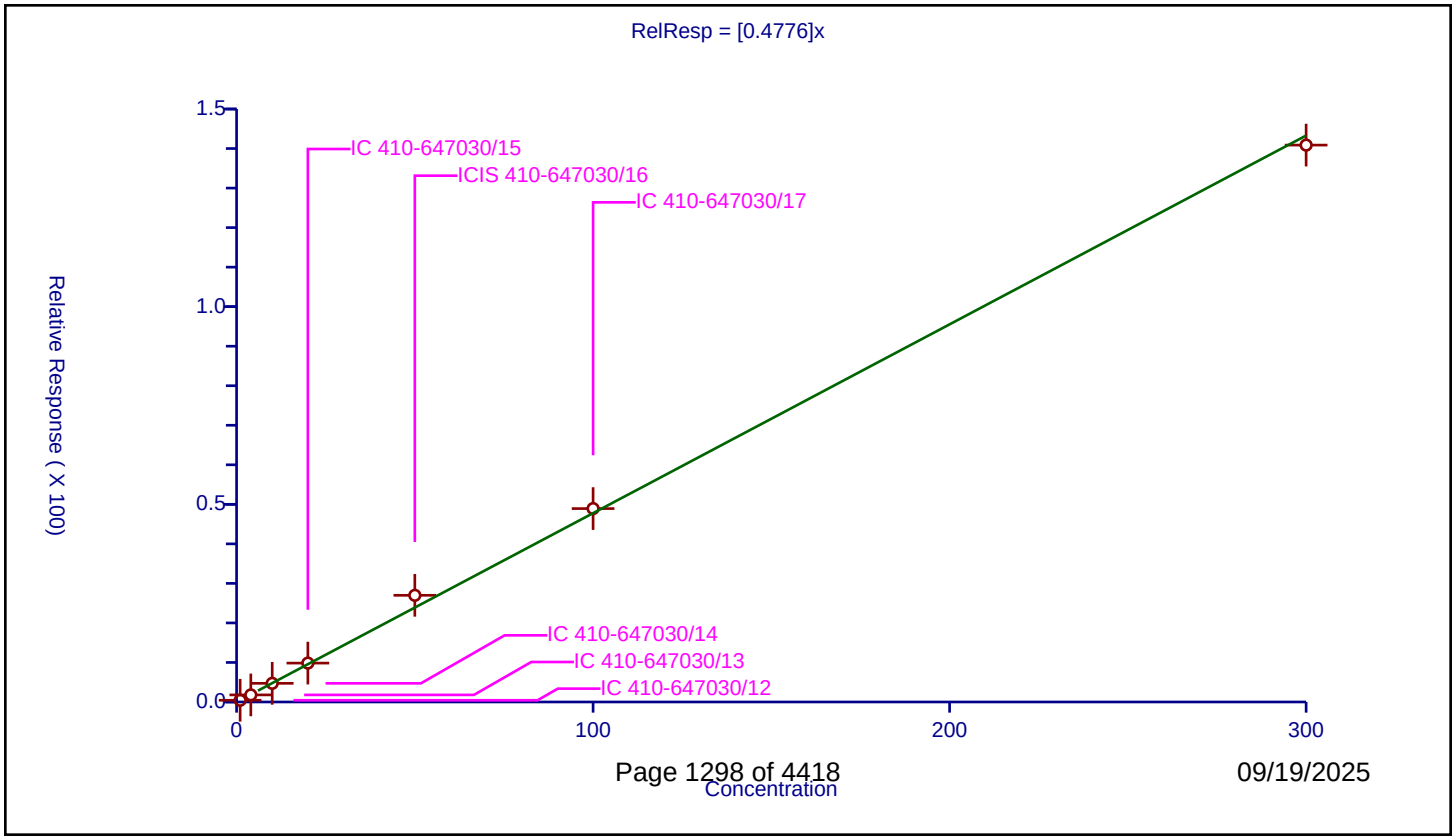
Curve Coefficients

Intercept:	0
Slope:	0.4776

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.433209	50.0	1142404.0	0.433209	Y
2	IC 410-647030/13	4.0	1.790967	50.0	1144326.0	0.447742	Y
3	IC 410-647030/14	10.0	4.719292	50.0	1197383.0	0.471929	Y
4	IC 410-647030/15	20.0	9.840023	50.0	1207238.0	0.492001	Y
5	ICIS 410-647030/16	50.0	26.985436	50.0	1235887.0	0.539709	Y
6	IC 410-647030/17	100.0	48.925989	50.0	1237278.0	0.48926	Y
7	IC 410-647030/18	300.0	140.875355	50.0	1292264.0	0.469585	Y



Calibration / Tert-butyl ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

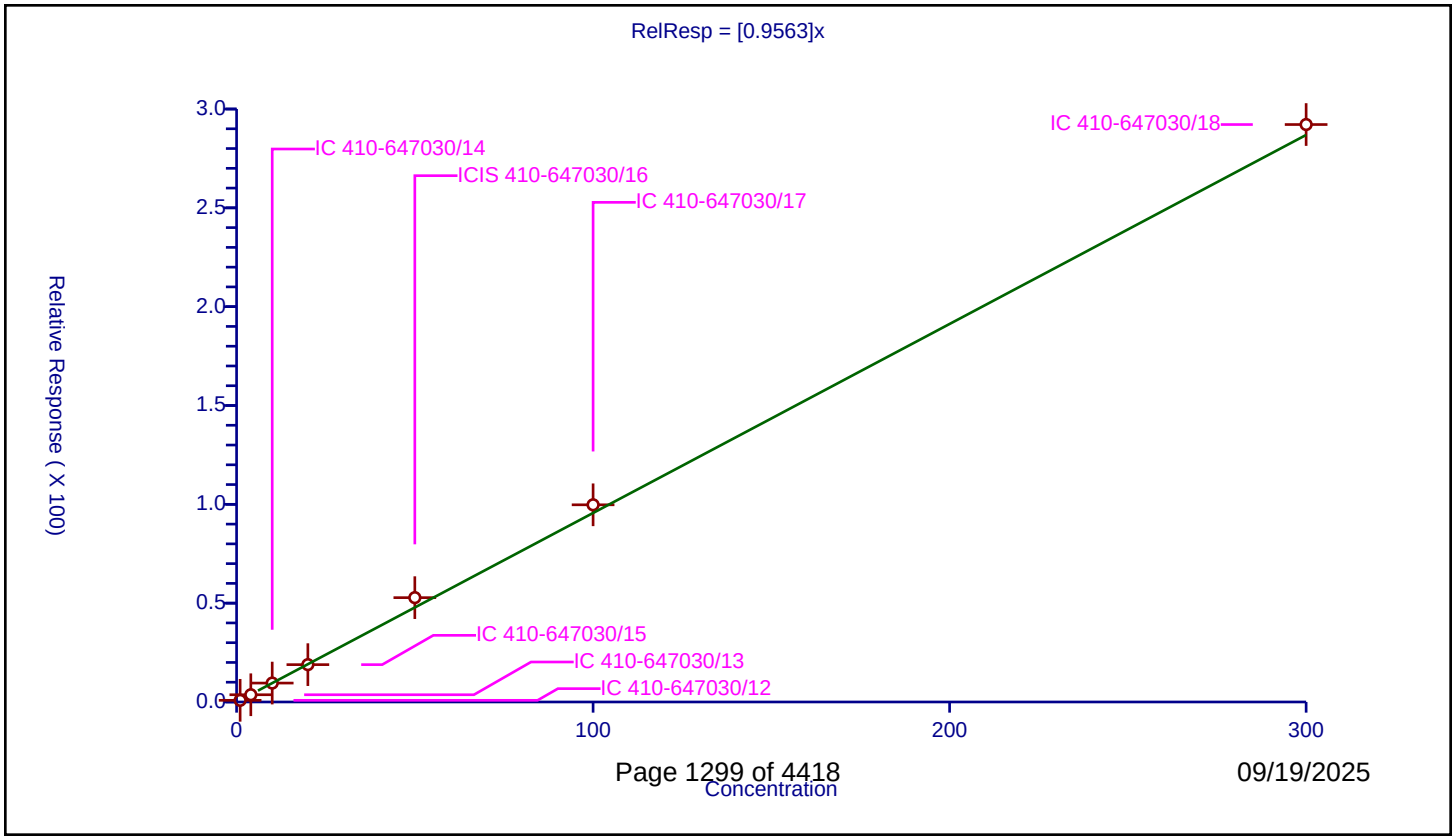
Curve Coefficients

Intercept:	0
Slope:	0.9563

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.849656	50.0	1142404.0	0.849656	Y
2	IC 410-647030/13	4.0	3.660801	50.0	1144326.0	0.9152	Y
3	IC 410-647030/14	10.0	9.57058	50.0	1197383.0	0.957058	Y
4	IC 410-647030/15	20.0	18.8947	50.0	1207238.0	0.944735	Y
5	ICIS 410-647030/16	50.0	52.789535	50.0	1235887.0	1.055791	Y
6	IC 410-647030/17	100.0	99.757169	50.0	1237278.0	0.997572	Y
7	IC 410-647030/18	300.0	292.144833	50.0	1292264.0	0.973816	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

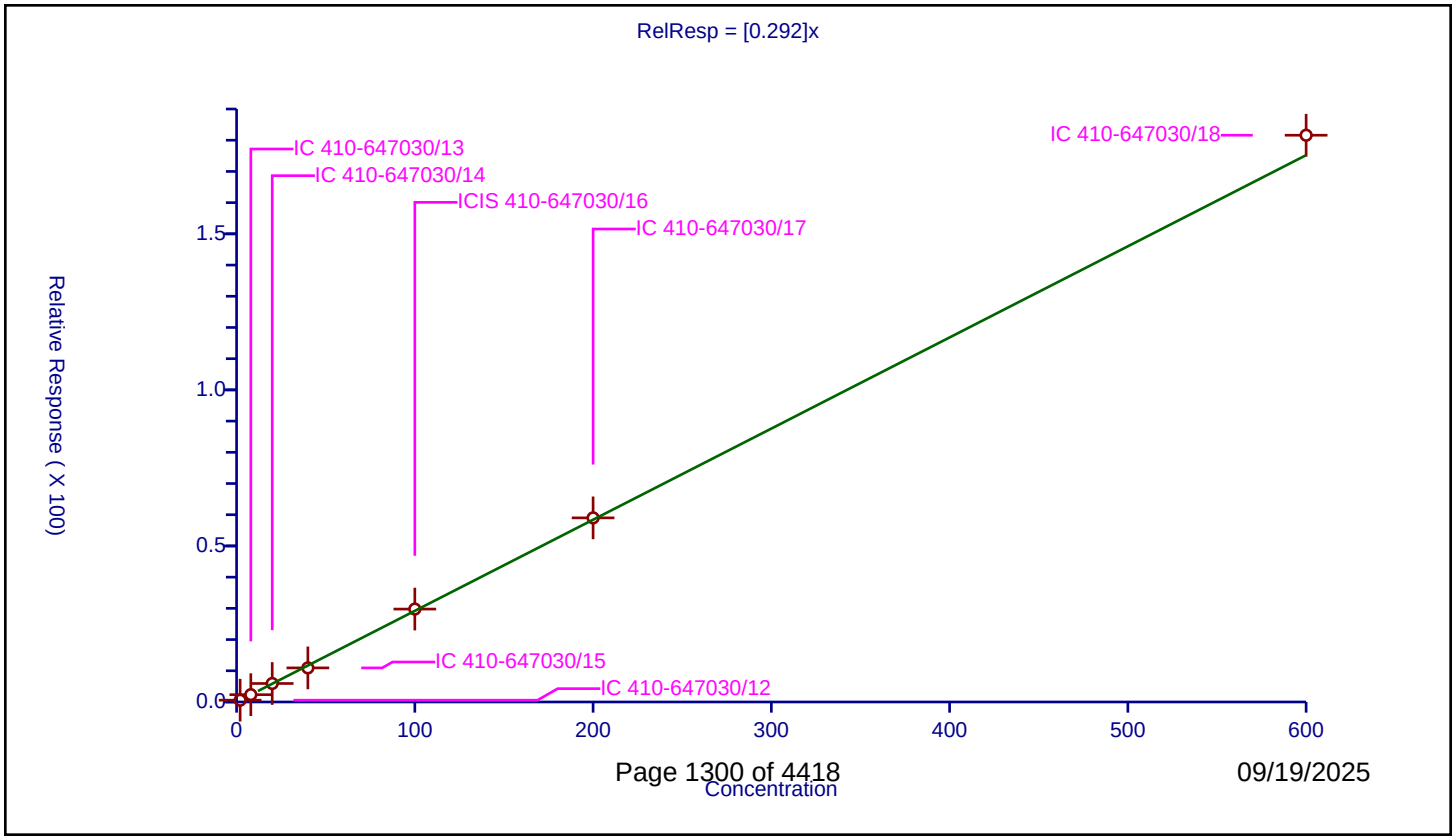
Curve Coefficients

Intercept:	0
Slope:	0.292

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	2.0	0.572696	50.0	1142404.0	0.286348	Y
2	IC 410-647030/13	8.0	2.344262	50.0	1144326.0	0.293033	Y
3	IC 410-647030/14	20.0	5.925005	50.0	1197383.0	0.29625	Y
4	IC 410-647030/15	40.0	10.925435	50.0	1207238.0	0.273136	Y
5	ICIS 410-647030/16	100.0	29.772706	50.0	1235887.0	0.297727	Y
6	IC 410-647030/17	200.0	58.994462	50.0	1237278.0	0.294972	Y
7	IC 410-647030/18	600.0	181.599271	50.0	1292264.0	0.302665	Y



09/19/2025

Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

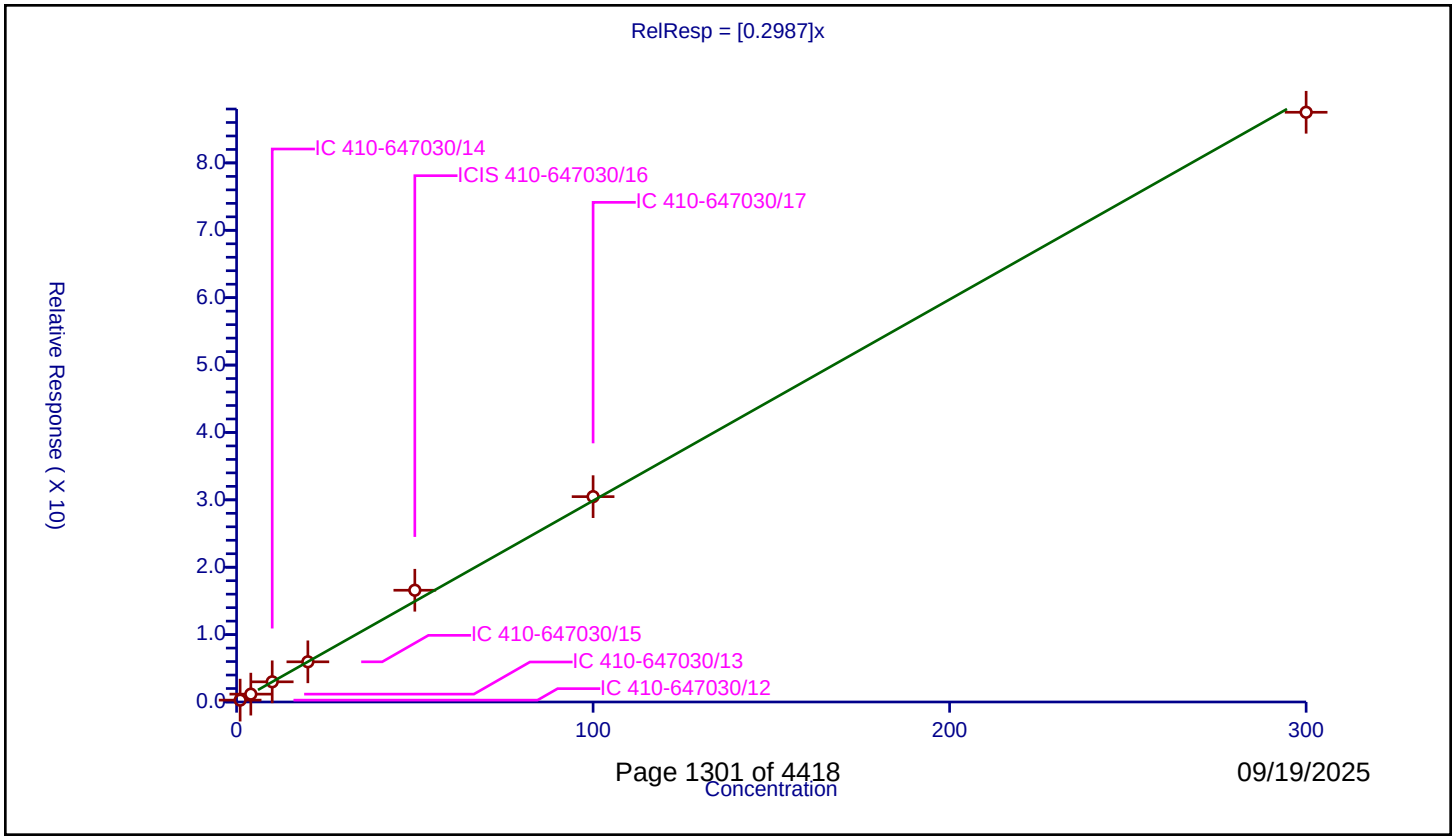
Curve Coefficients

Intercept:	0
Slope:	0.2987

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.273065	50.0	1142404.0	0.273065	Y
2	IC 410-647030/13	4.0	1.167106	50.0	1144326.0	0.291777	Y
3	IC 410-647030/14	10.0	2.995616	50.0	1197383.0	0.299562	Y
4	IC 410-647030/15	20.0	5.963033	50.0	1207238.0	0.298152	Y
5	ICIS 410-647030/16	50.0	16.58489	50.0	1235887.0	0.331698	Y
6	IC 410-647030/17	100.0	30.472416	50.0	1237278.0	0.304724	Y
7	IC 410-647030/18	300.0	87.518804	50.0	1292264.0	0.291729	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

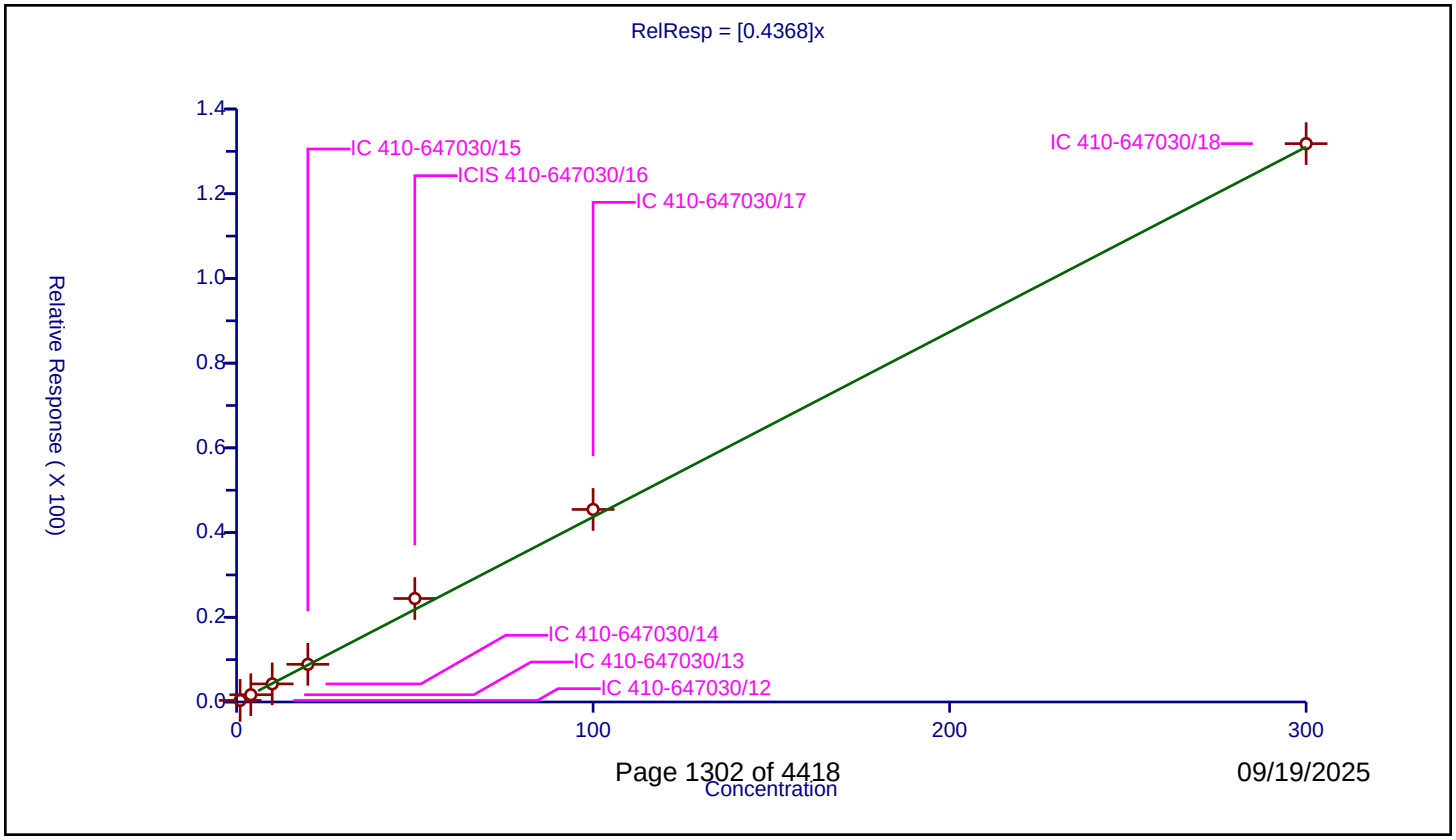
Curve Coefficients

Intercept:	0
Slope:	0.4368

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.373467	50.0	1142404.0	0.373467	Y
2	IC 410-647030/13	4.0	1.717605	50.0	1144326.0	0.429401	Y
3	IC 410-647030/14	10.0	4.272526	50.0	1197383.0	0.427253	Y
4	IC 410-647030/15	20.0	8.894062	50.0	1207238.0	0.444703	Y
5	ICIS 410-647030/16	50.0	24.42873	50.0	1235887.0	0.488575	Y
6	IC 410-647030/17	100.0	45.46254	50.0	1237278.0	0.454625	Y
7	IC 410-647030/18	300.0	131.829023	50.0	1292264.0	0.43943	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

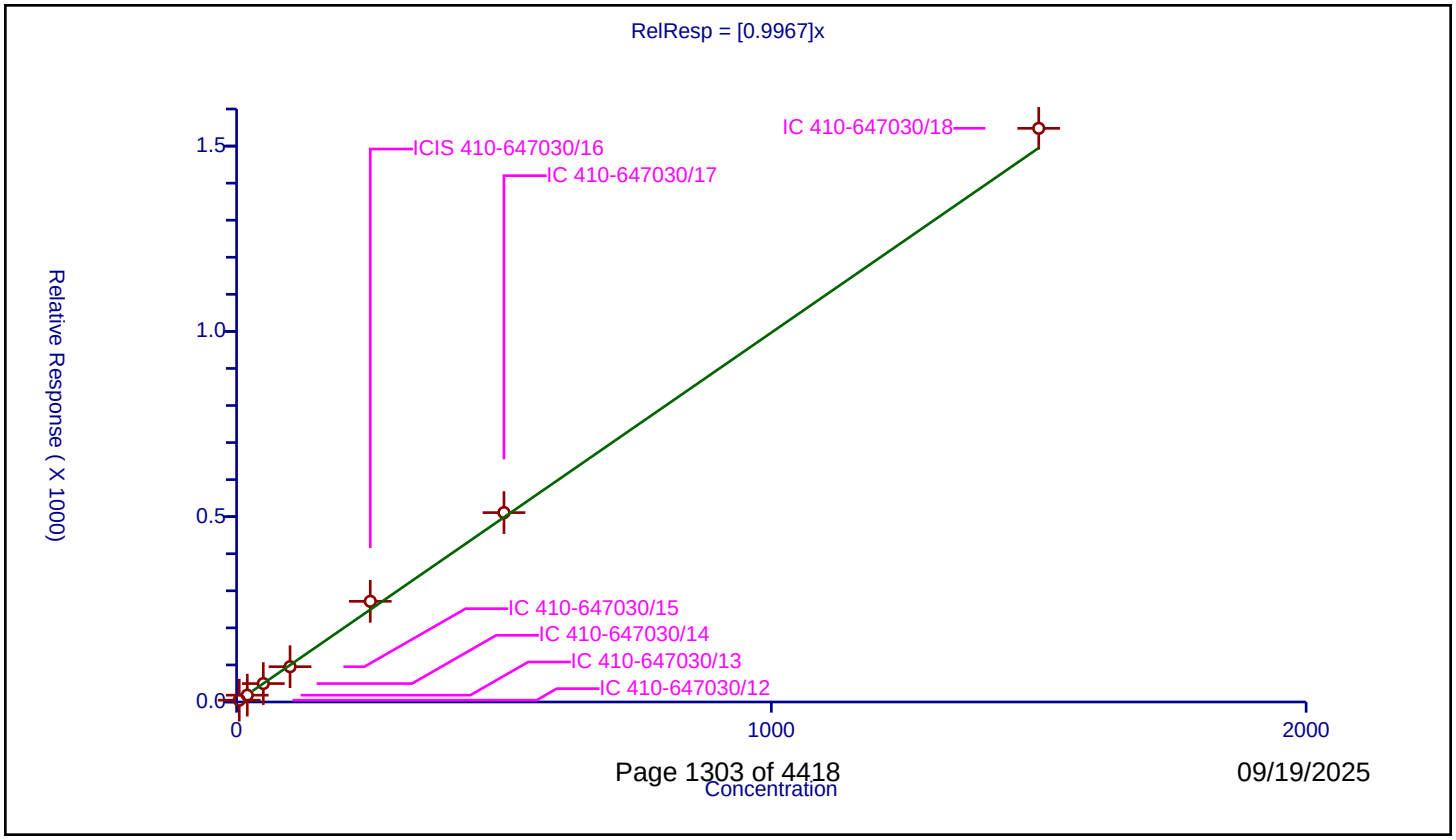
Curve Coefficients

Intercept:	0
Slope:	0.9967

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	5.0	4.855756	250.0	558049.0	0.971151	Y
2	IC 410-647030/13	20.0	18.388899	250.0	535826.0	0.919445	Y
3	IC 410-647030/14	50.0	49.672375	250.0	553376.0	0.993447	Y
4	IC 410-647030/15	100.0	95.207882	250.0	538238.0	0.952079	Y
5	ICIS 410-647030/16	250.0	271.648906	250.0	551887.0	1.086596	Y
6	IC 410-647030/17	500.0	511.013852	250.0	553848.0	1.022028	Y
7	IC 410-647030/18	1500.0	1547.91717	250.0	530024.0	1.031945	Y



Calibration / Methyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

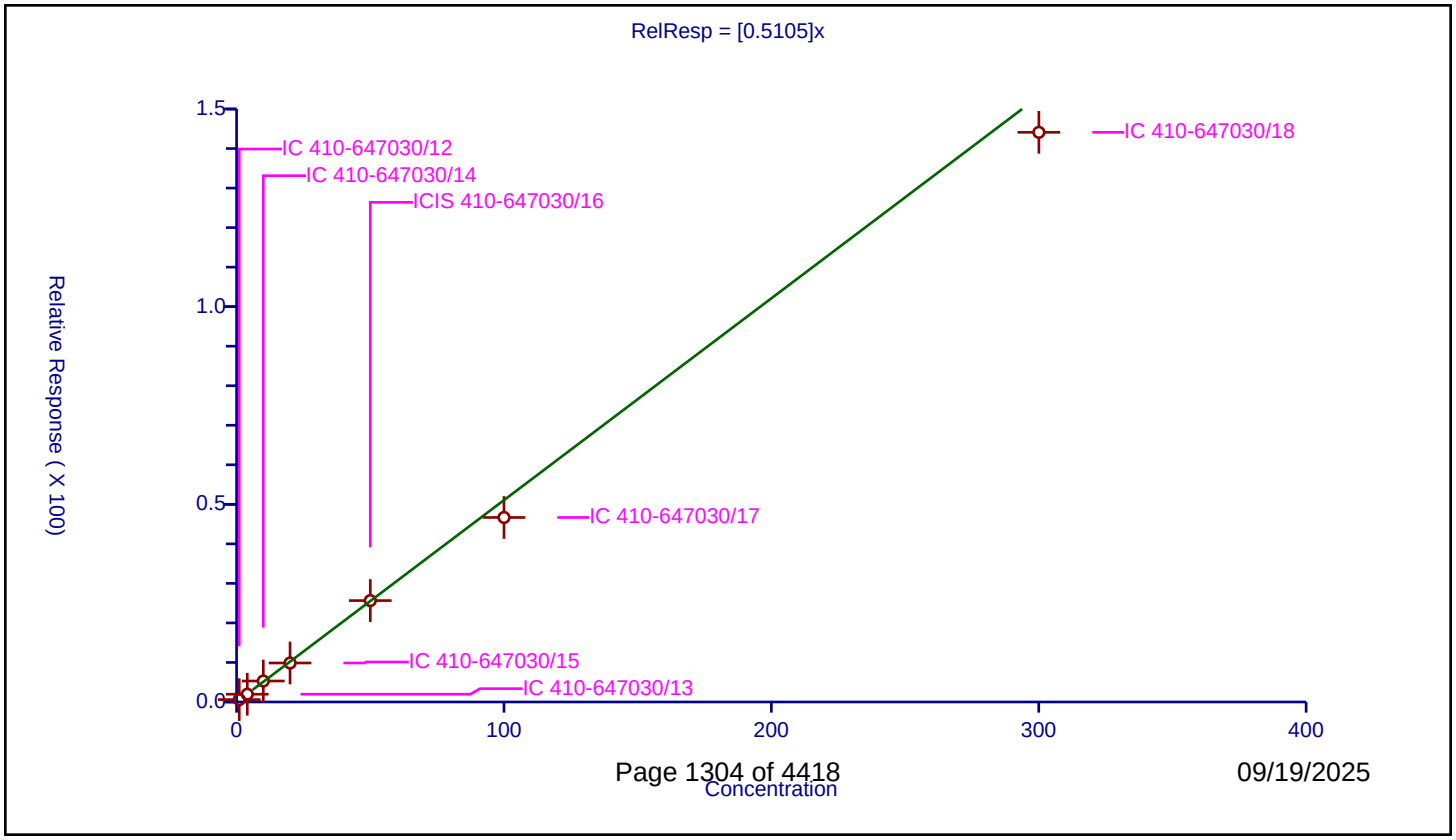
Curve Coefficients

Intercept:	0
Slope:	0.5105

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.000186	0.598956	50.0	1142404.0	0.598845	Y
2	IC 410-647030/13	4.000742	1.964999	50.0	1144326.0	0.491159	Y
3	IC 410-647030/14	10.001856	5.308201	50.0	1197383.0	0.530722	Y
4	IC 410-647030/15	20.003712	9.86798	50.0	1207238.0	0.493307	Y
5	ICIS 410-647030/16	50.00928	25.647935	50.0	1235887.0	0.512864	Y
6	IC 410-647030/17	100.01856	46.67601	50.0	1237278.0	0.466673	Y
7	IC 410-647030/18	300.05568	144.101786	50.0	1292264.0	0.48025	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

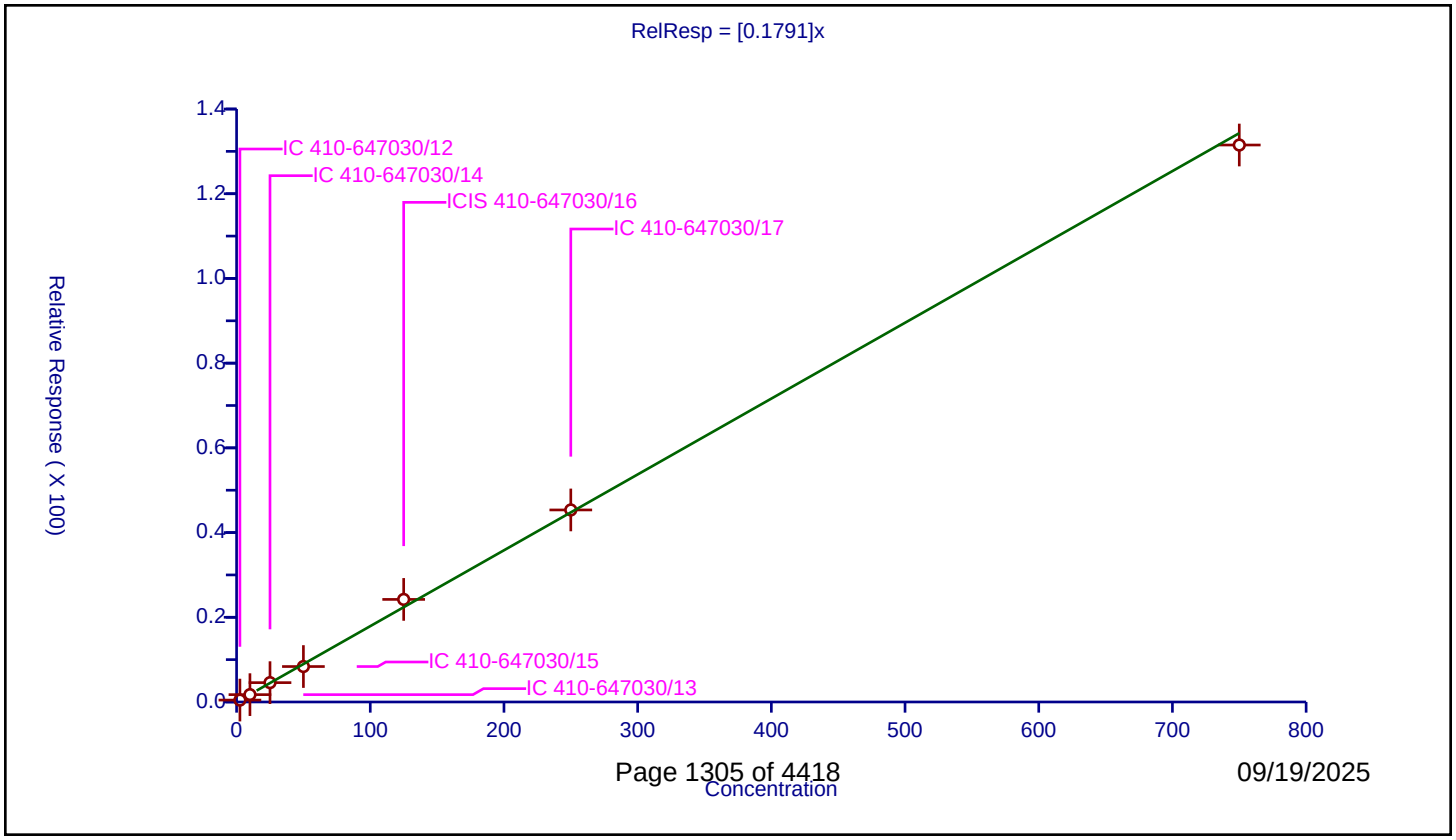
Curve Coefficients

Intercept:	0
Slope:	0.1791

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	2.5	0.448659	50.0	1142404.0	0.179464	Y
2	IC 410-647030/13	10.0	1.736219	50.0	1144326.0	0.173622	Y
3	IC 410-647030/14	25.0	4.564747	50.0	1197383.0	0.18259	Y
4	IC 410-647030/15	50.0	8.368068	50.0	1207238.0	0.167361	Y
5	ICIS 410-647030/16	125.0	24.215442	50.0	1235887.0	0.193724	Y
6	IC 410-647030/17	250.0	45.337911	50.0	1237278.0	0.181352	Y
7	IC 410-647030/18	750.0	131.500684	50.0	1292264.0	0.175334	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

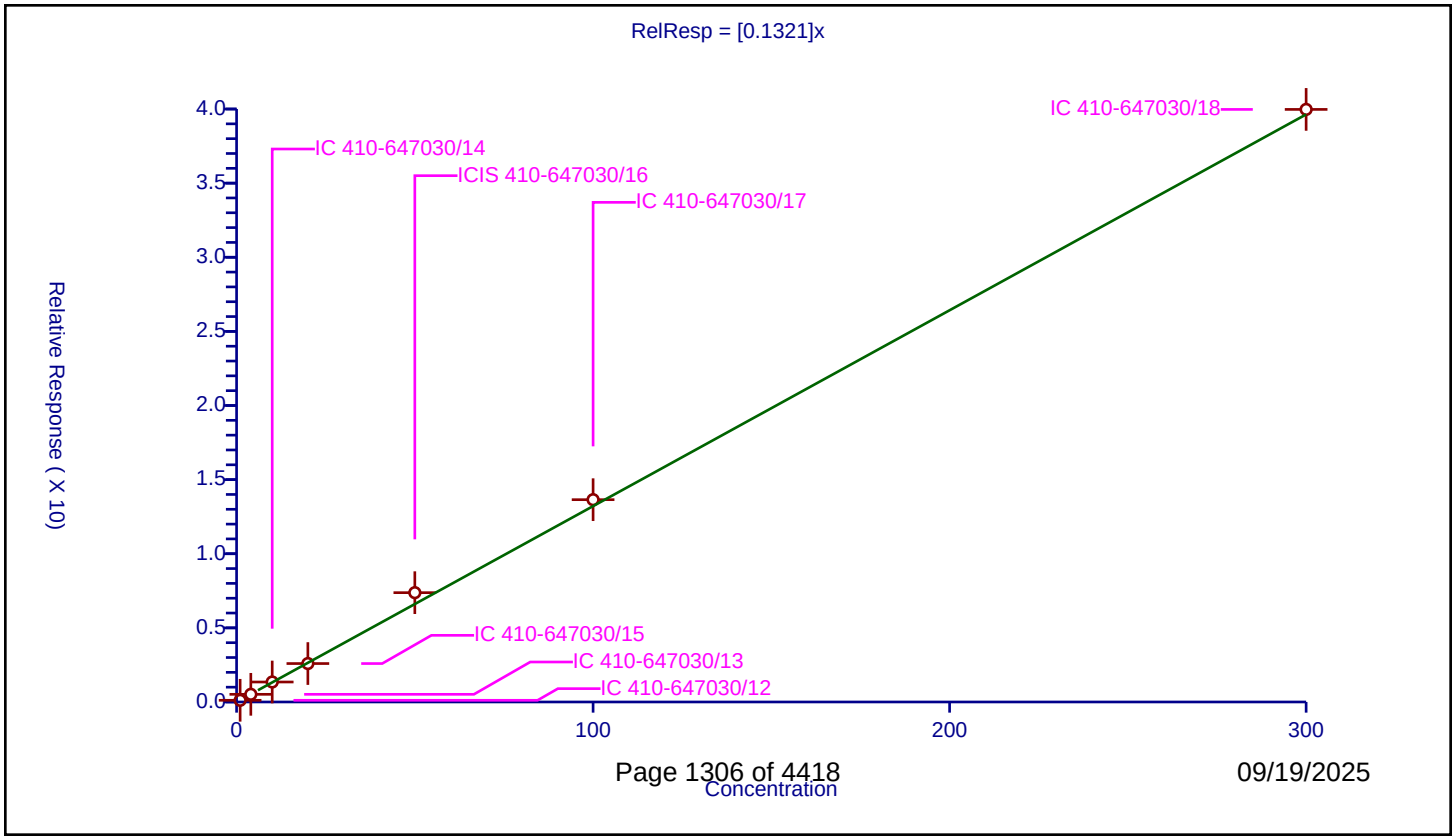
Curve Coefficients

Intercept:	0
Slope:	0.1321

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.113664	50.0	1142404.0	0.113664	Y
2	IC 410-647030/13	4.0	0.517597	50.0	1144326.0	0.129399	Y
3	IC 410-647030/14	10.0	1.348608	50.0	1197383.0	0.134861	Y
4	IC 410-647030/15	20.0	2.593855	50.0	1207238.0	0.129693	Y
5	ICIS 410-647030/16	50.0	7.374744	50.0	1235887.0	0.147495	Y
6	IC 410-647030/17	100.0	13.647337	50.0	1237278.0	0.136473	Y
7	IC 410-647030/18	300.0	39.972637	50.0	1292264.0	0.133242	Y



09/19/2025

Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

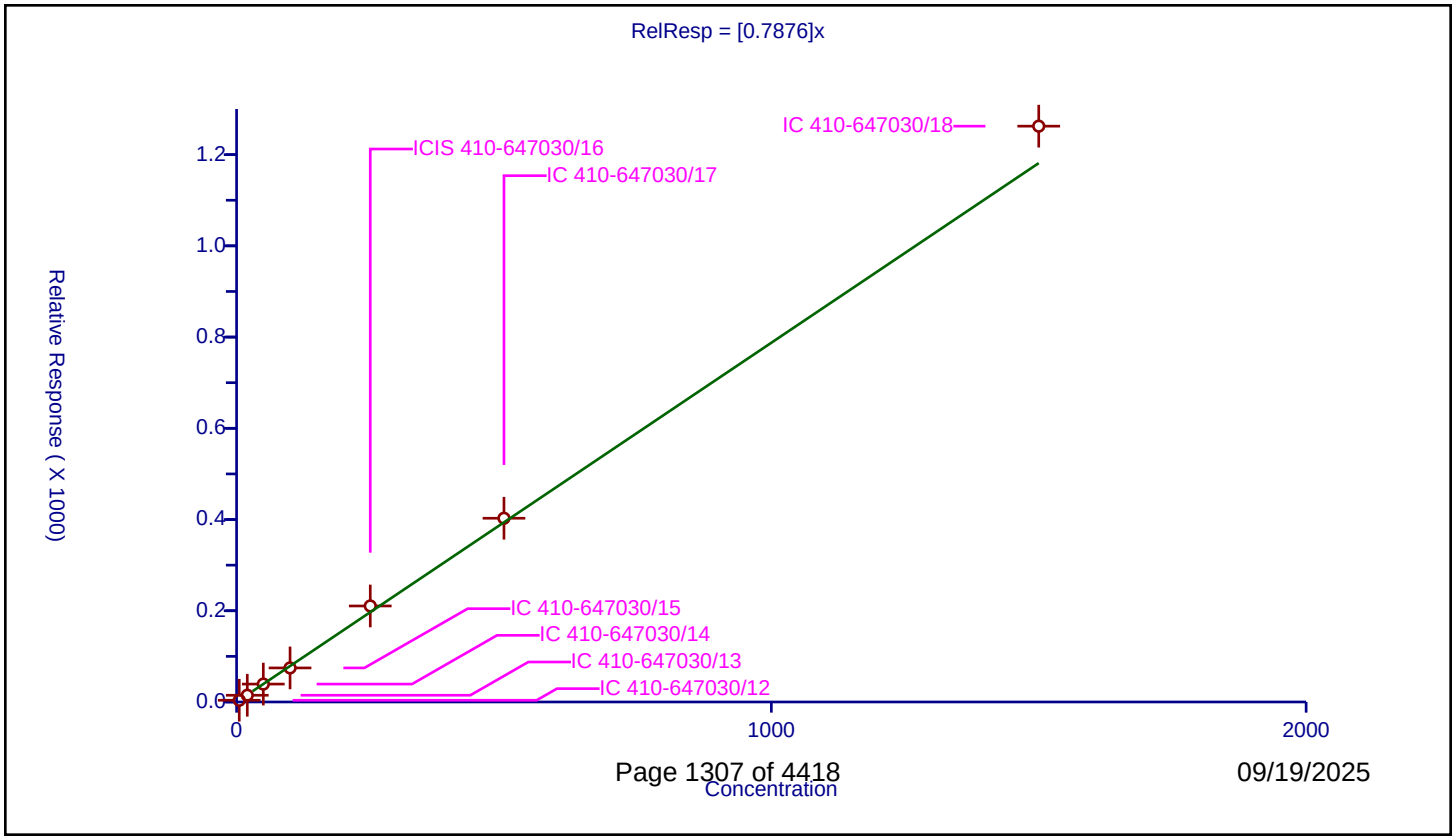
Curve Coefficients

Intercept:	0
Slope:	0.7876

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	5.0	3.770278	250.0	558049.0	0.754056	Y
2	IC 410-647030/13	20.0	14.746392	250.0	535826.0	0.73732	Y
3	IC 410-647030/14	50.0	39.269864	250.0	553376.0	0.785397	Y
4	IC 410-647030/15	100.0	74.705335	250.0	538238.0	0.747053	Y
5	ICIS 410-647030/16	250.0	210.487835	250.0	551887.0	0.841951	Y
6	IC 410-647030/17	500.0	402.837511	250.0	553848.0	0.805675	Y
7	IC 410-647030/18	1500.0	1262.430098	250.0	530024.0	0.84162	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

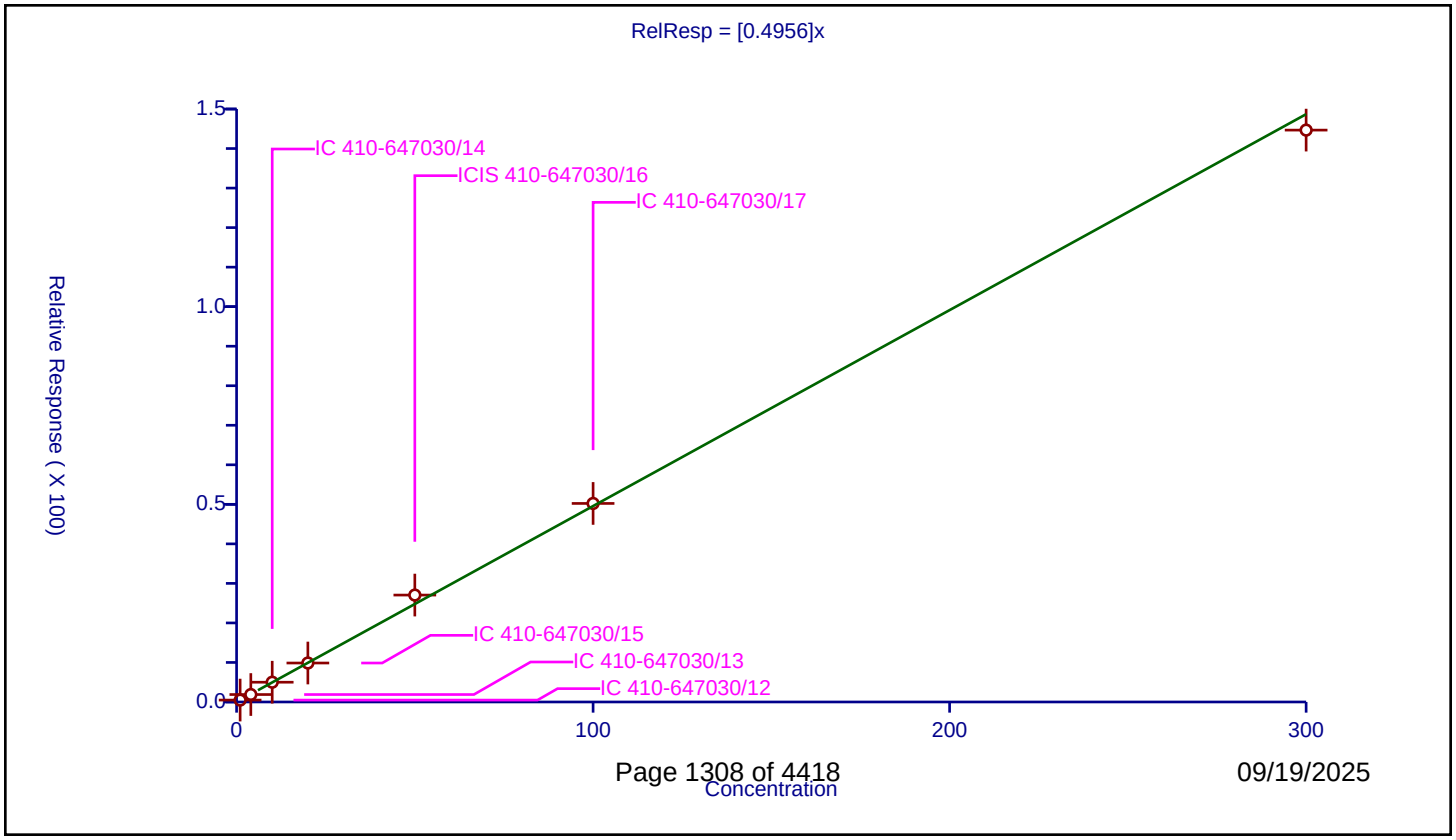
Curve Coefficients

Intercept:	0
Slope:	0.4956

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.479077	50.0	1142404.0	0.479077	Y
2	IC 410-647030/13	4.0	1.886788	50.0	1144326.0	0.471697	Y
3	IC 410-647030/14	10.0	5.002409	50.0	1197383.0	0.500241	Y
4	IC 410-647030/15	20.0	9.859986	50.0	1207238.0	0.492999	Y
5	ICIS 410-647030/16	50.0	27.049034	50.0	1235887.0	0.540981	Y
6	IC 410-647030/17	100.0	50.223798	50.0	1237278.0	0.502238	Y
7	IC 410-647030/18	300.0	144.666724	50.0	1292264.0	0.482222	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

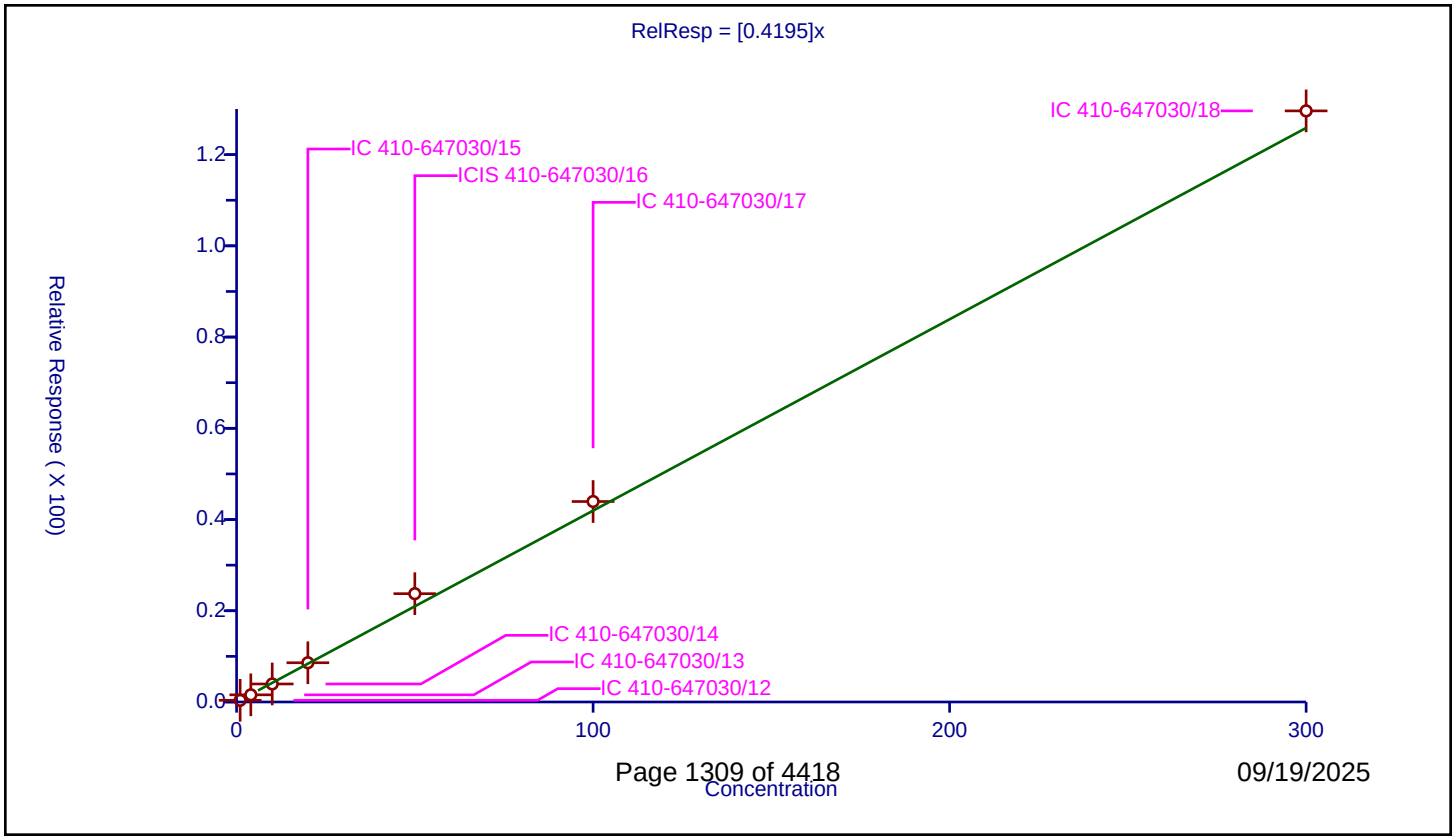
Curve Coefficients

Intercept:	0
Slope:	0.4195

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.372416	50.0	1142404.0	0.372416	Y
2	IC 410-647030/13	4.0	1.570531	50.0	1144326.0	0.392633	Y
3	IC 410-647030/14	10.0	3.949613	50.0	1197383.0	0.394961	Y
4	IC 410-647030/15	20.0	8.604269	50.0	1207238.0	0.430213	Y
5	ICIS 410-647030/16	50.0	23.741653	50.0	1235887.0	0.474833	Y
6	IC 410-647030/17	100.0	43.949137	50.0	1237278.0	0.439491	Y
7	IC 410-647030/18	300.0	129.591245	50.0	1292264.0	0.431971	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

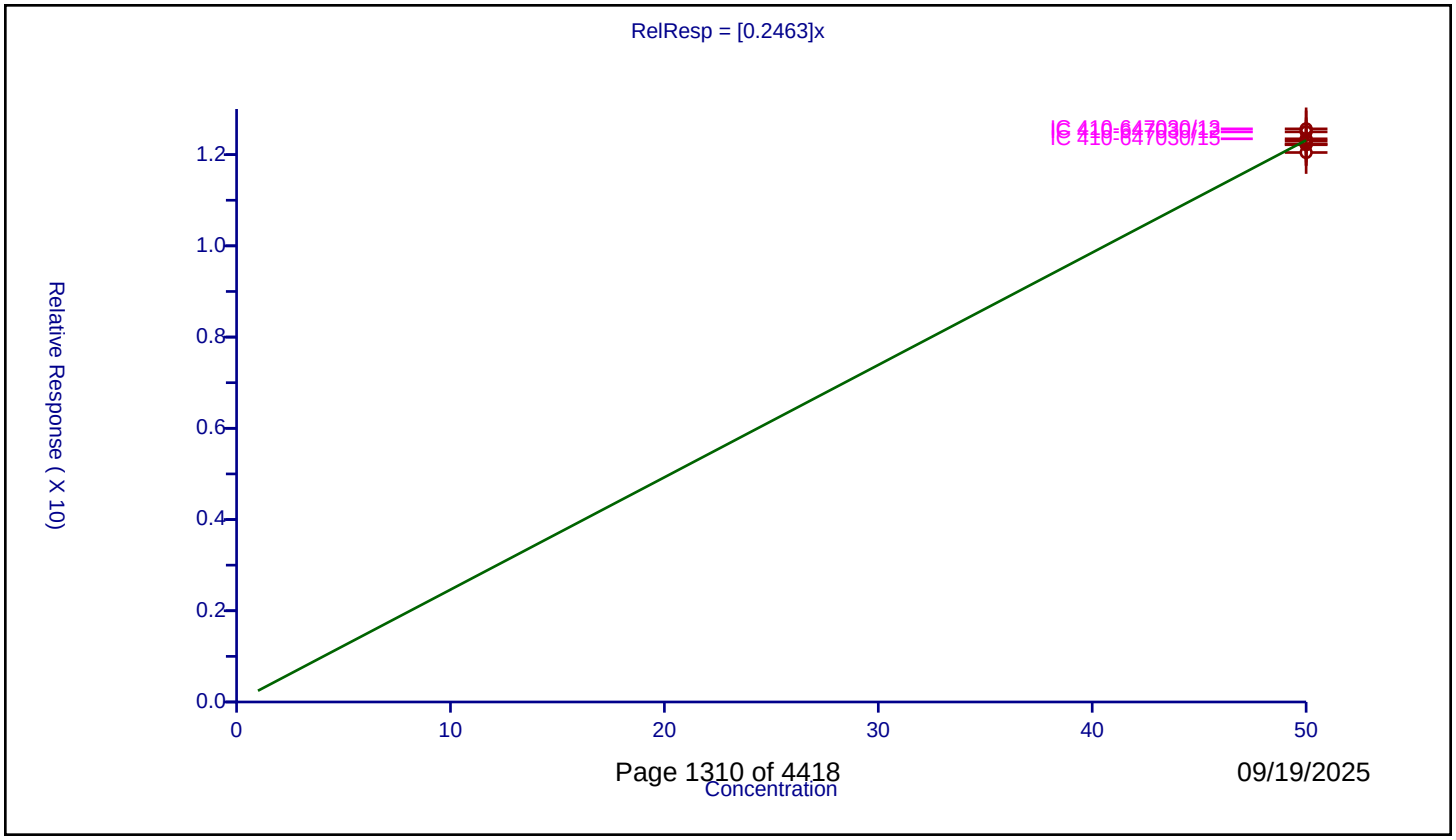
Curve Coefficients

Intercept:	0
Slope:	0.2463

Error Coefficients

Relative Standard Deviation:	1.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	50.0	12.499212	50.0	1142404.0	0.249984	Y
2	IC 410-647030/13	50.0	12.565169	50.0	1144326.0	0.251303	Y
3	IC 410-647030/14	50.0	12.233262	50.0	1197383.0	0.244665	Y
4	IC 410-647030/15	50.0	12.346861	50.0	1207238.0	0.246937	Y
5	ICIS 410-647030/16	50.0	12.297848	50.0	1235887.0	0.245957	Y
6	IC 410-647030/17	50.0	12.216777	50.0	1237278.0	0.244336	Y
7	IC 410-647030/18	50.0	12.046223	50.0	1292264.0	0.240924	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

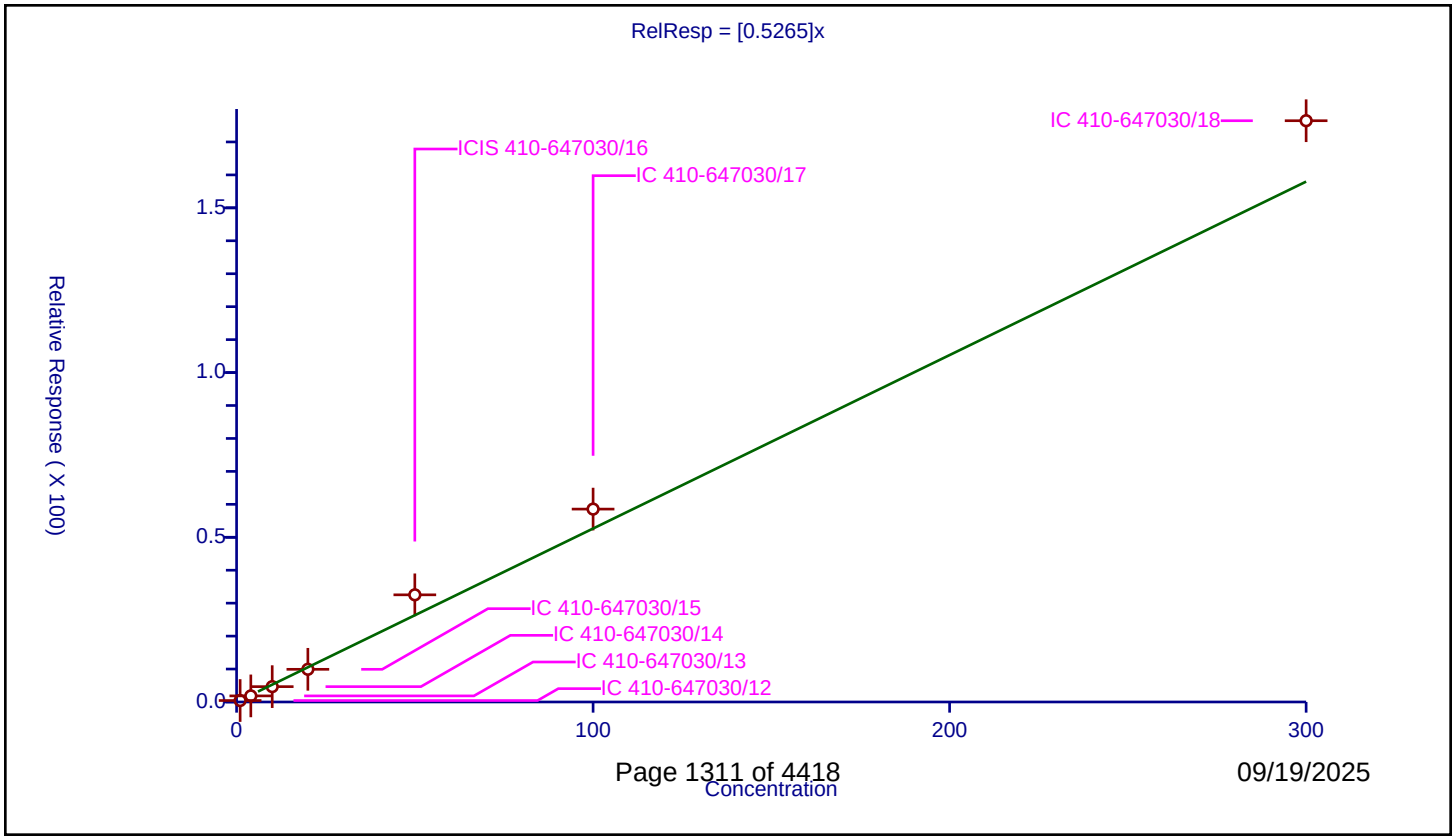
Curve Coefficients

Intercept:	0
Slope:	0.5265

Error Coefficients

Relative Standard Deviation:	15.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.43798	50.0	1142404.0	0.43798	Y
2	IC 410-647030/13	4.0	1.8479	50.0	1144326.0	0.461975	Y
3	IC 410-647030/14	10.0	4.655778	50.0	1197383.0	0.465578	Y
4	IC 410-647030/15	20.0	9.919585	50.0	1207238.0	0.495979	Y
5	ICIS 410-647030/16	50.0	32.530118	50.0	1235887.0	0.650602	Y
6	IC 410-647030/17	100.0	58.554747	50.0	1237278.0	0.585547	Y
7	IC 410-647030/18	300.0	176.447305	50.0	1292264.0	0.588158	Y



09/19/2025

Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

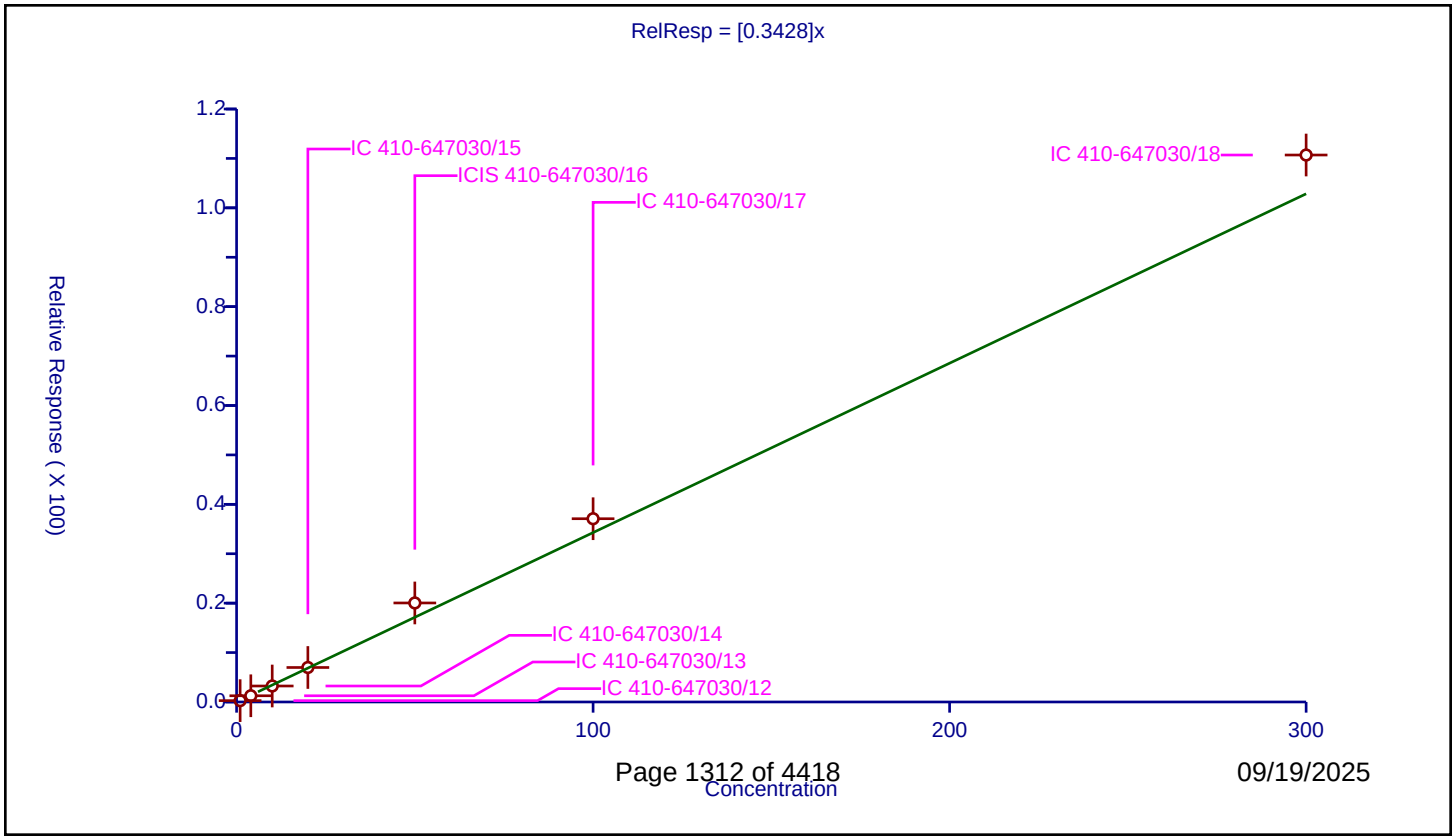
Curve Coefficients

Intercept:	0
Slope:	0.3428

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.271358	50.0	1142404.0	0.271358	Y
2	IC 410-647030/13	4.0	1.258863	50.0	1144326.0	0.314716	Y
3	IC 410-647030/14	10.0	3.237769	50.0	1197383.0	0.323777	Y
4	IC 410-647030/15	20.0	6.982799	50.0	1207238.0	0.34914	Y
5	ICIS 410-647030/16	50.0	20.039373	50.0	1235887.0	0.400787	Y
6	IC 410-647030/17	100.0	37.085966	50.0	1237278.0	0.37086	Y
7	IC 410-647030/18	300.0	110.688799	50.0	1292264.0	0.368963	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

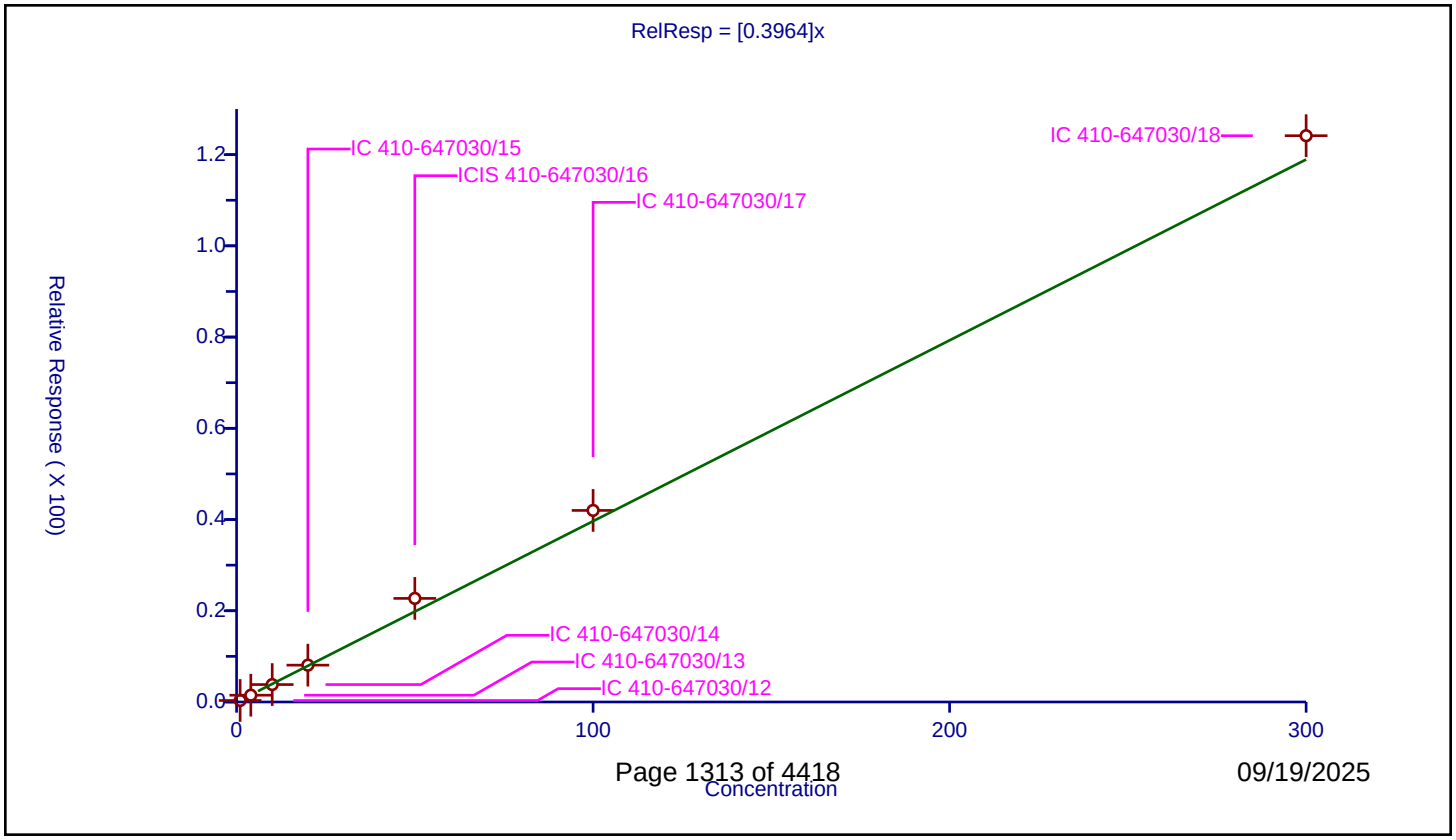
Curve Coefficients

Intercept:	0
Slope:	0.3964

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.329306	50.0	1142404.0	0.329306	Y
2	IC 410-647030/13	4.0	1.487033	50.0	1144326.0	0.371758	Y
3	IC 410-647030/14	10.0	3.822085	50.0	1197383.0	0.382209	Y
4	IC 410-647030/15	20.0	8.077819	50.0	1207238.0	0.403891	Y
5	ICIS 410-647030/16	50.0	22.707942	50.0	1235887.0	0.454159	Y
6	IC 410-647030/17	100.0	41.998686	50.0	1237278.0	0.419987	Y
7	IC 410-647030/18	300.0	124.145298	50.0	1292264.0	0.413818	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

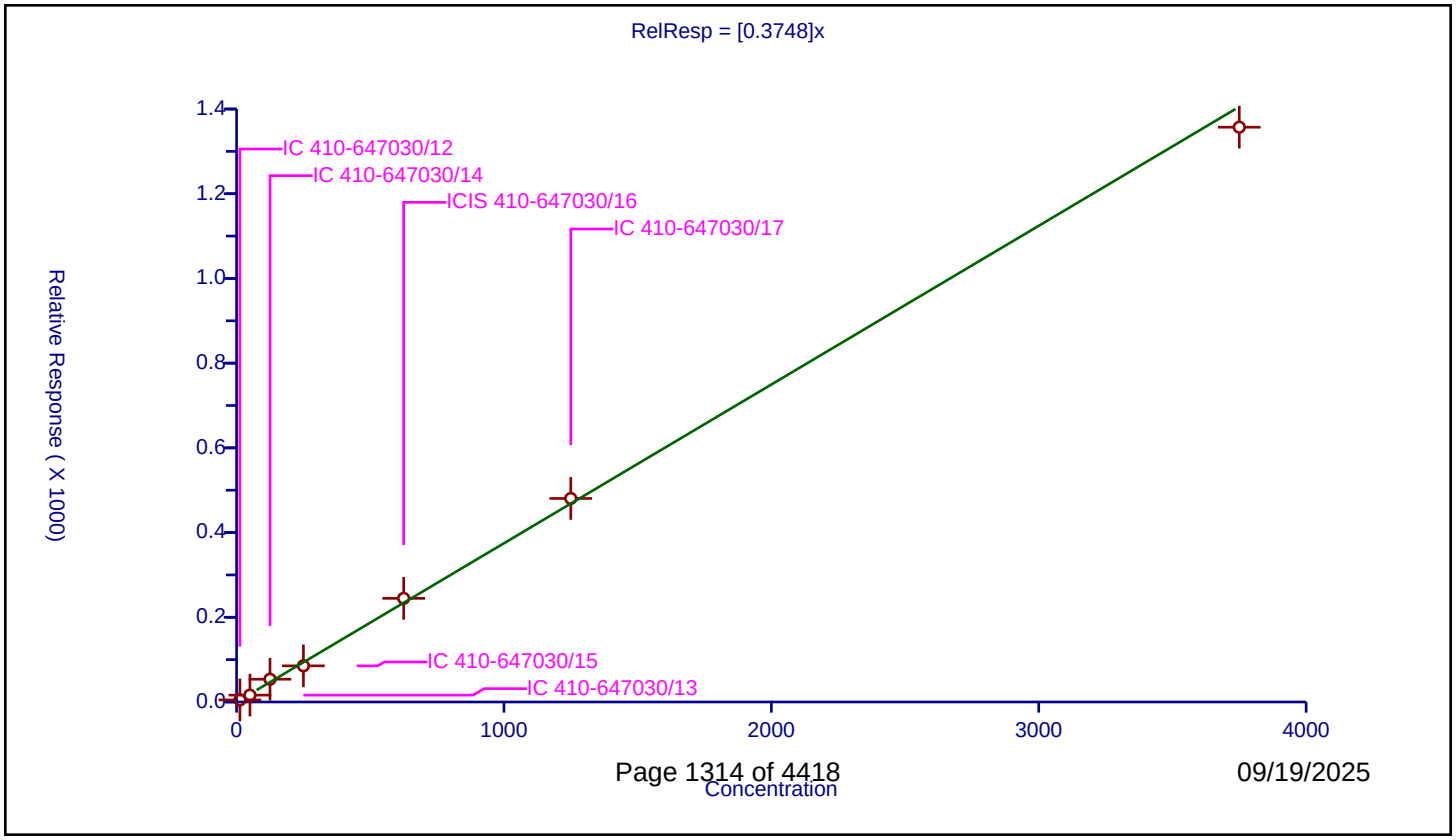
Curve Coefficients

Intercept:	0
Slope:	0.3748

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	12.5	4.866956	250.0	558049.0	0.389356	Y
2	IC 410-647030/13	50.0	16.235681	250.0	535826.0	0.324714	Y
3	IC 410-647030/14	125.0	53.738778	250.0	553376.0	0.42991	Y
4	IC 410-647030/15	250.0	85.361401	250.0	538238.0	0.341446	Y
5	ICIS 410-647030/16	625.0	244.715404	250.0	551887.0	0.391545	Y
6	IC 410-647030/17	1250.0	480.539336	250.0	553848.0	0.384431	Y
7	IC 410-647030/18	3750.0	1357.081472	250.0	530024.0	0.361888	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

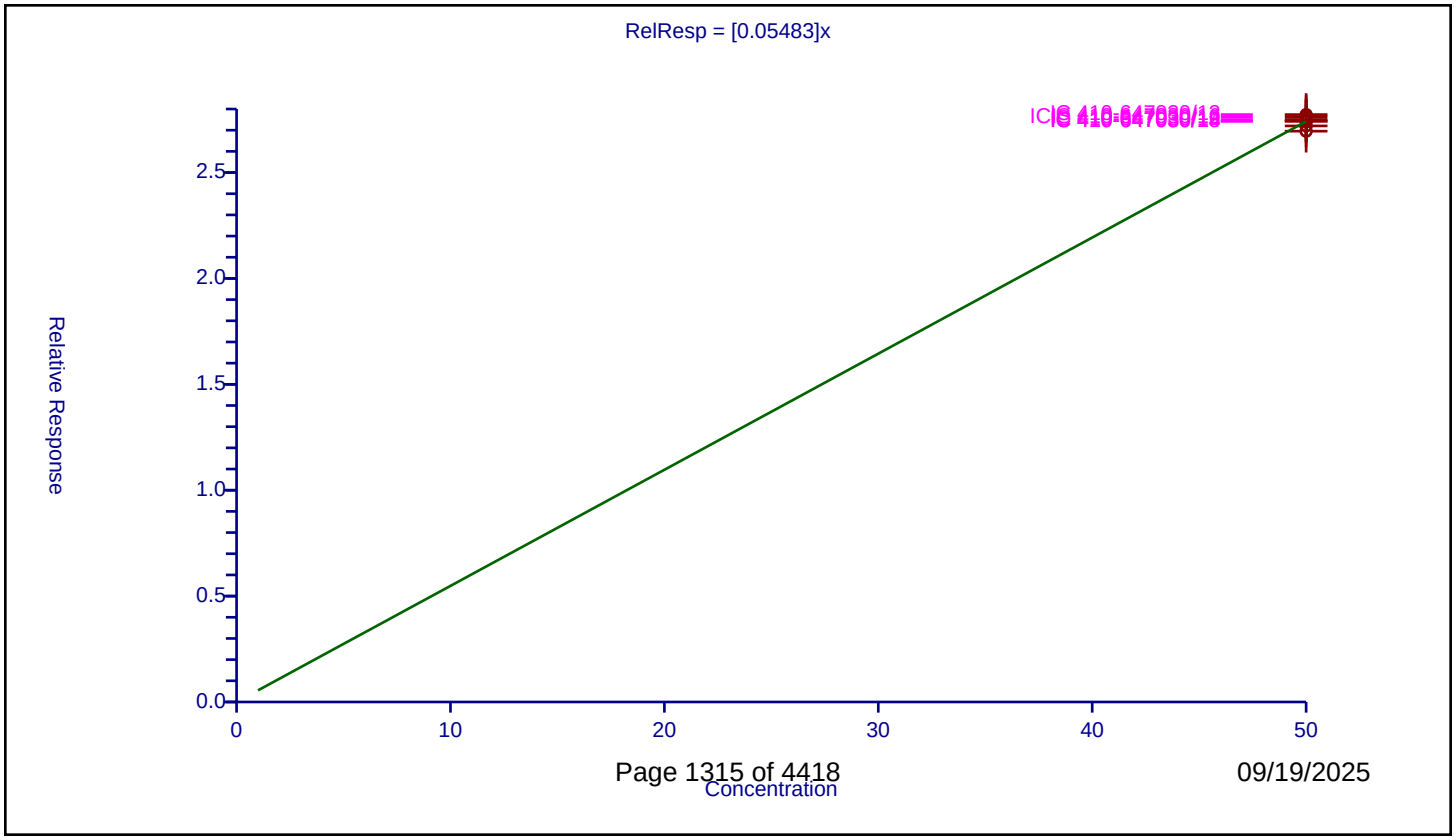
Curve Coefficients

Intercept:	0
Slope:	0.05483

Error Coefficients

Relative Standard Deviation:	1.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	50.0	2.750647	50.0	1142404.0	0.055013	Y
2	IC 410-647030/13	50.0	2.773641	50.0	1144326.0	0.055473	Y
3	IC 410-647030/14	50.0	2.743024	50.0	1197383.0	0.05486	Y
4	IC 410-647030/15	50.0	2.742417	50.0	1207238.0	0.054848	Y
5	ICIS 410-647030/16	50.0	2.763481	50.0	1235887.0	0.05527	Y
6	IC 410-647030/17	50.0	2.720165	50.0	1237278.0	0.054403	Y
7	IC 410-647030/18	50.0	2.695386	50.0	1292264.0	0.053908	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

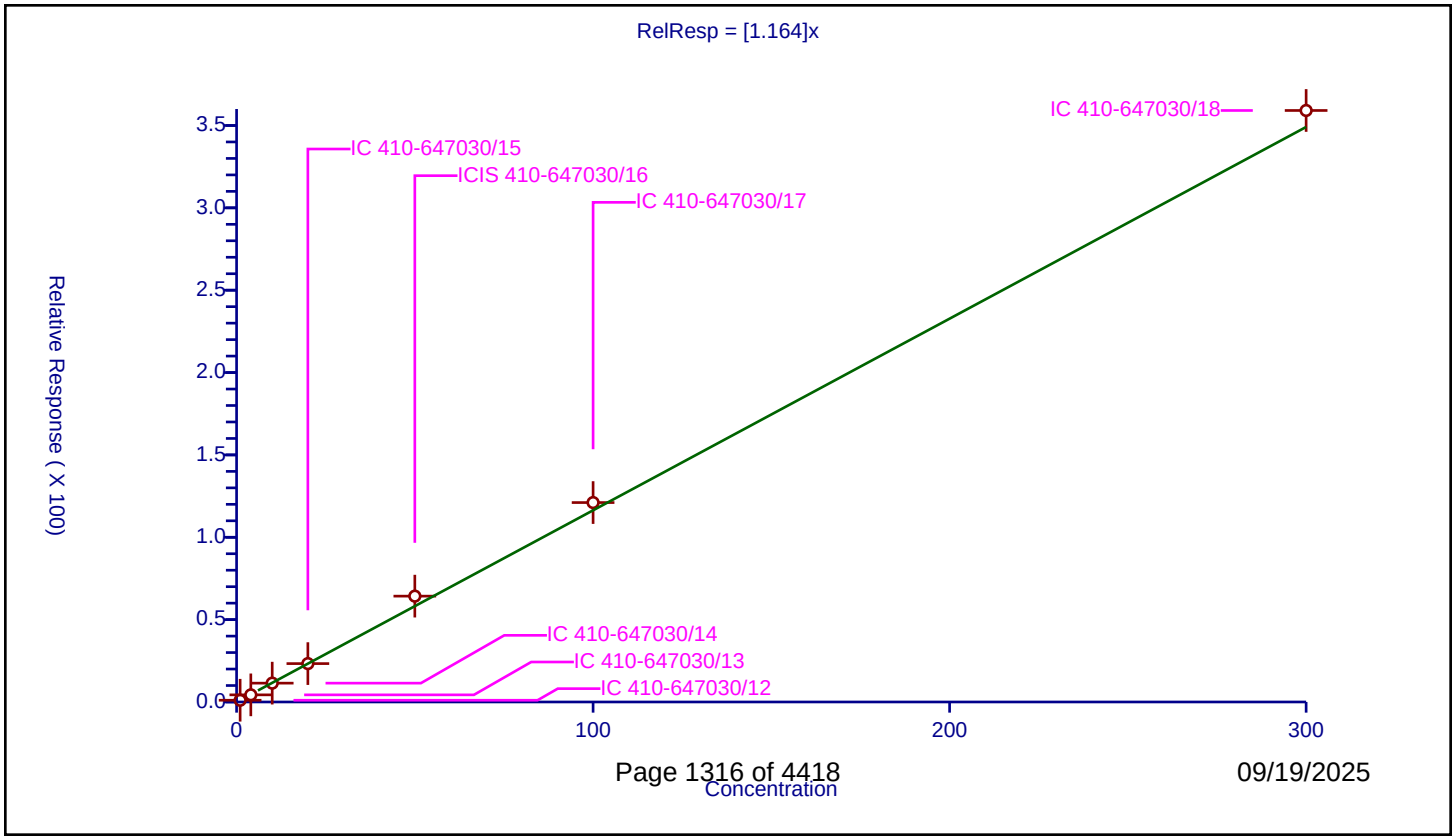
Curve Coefficients

Intercept:	0
Slope:	1.164

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	1.060921	50.0	1142404.0	1.060921	Y
2	IC 410-647030/13	4.0	4.328749	50.0	1144326.0	1.082187	Y
3	IC 410-647030/14	10.0	11.442287	50.0	1197383.0	1.144229	Y
4	IC 410-647030/15	20.0	23.299341	50.0	1207238.0	1.164967	Y
5	ICIS 410-647030/16	50.0	64.259111	50.0	1235887.0	1.285182	Y
6	IC 410-647030/17	100.0	121.073033	50.0	1237278.0	1.21073	Y
7	IC 410-647030/18	300.0	359.108007	50.0	1292264.0	1.197027	Y



09/19/2025

Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

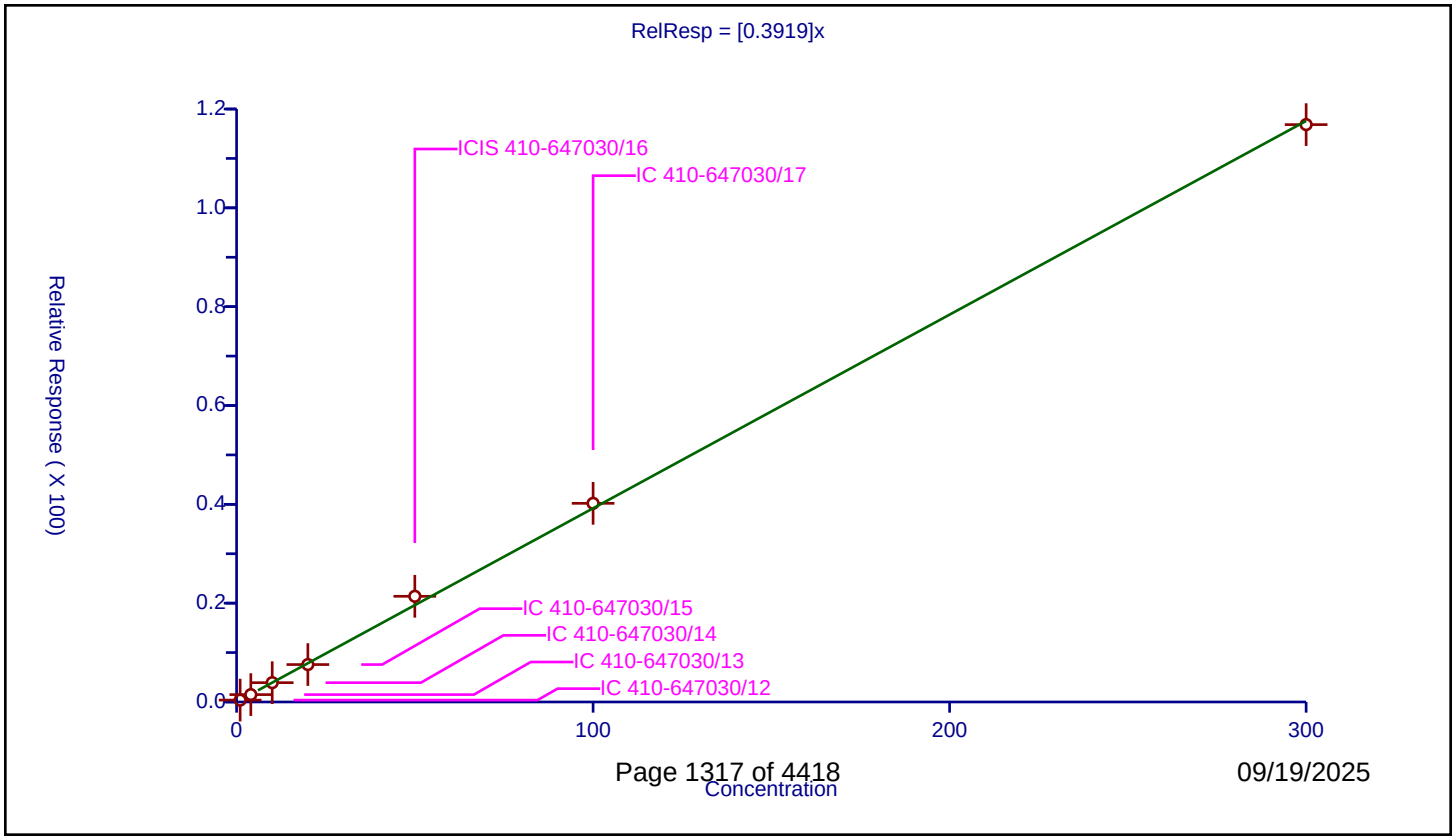
Curve Coefficients

Intercept:	0
Slope:	0.3919

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.38187	50.0	1142404.0	0.38187	Y
2	IC 410-647030/13	4.0	1.490441	50.0	1144326.0	0.37261	Y
3	IC 410-647030/14	10.0	3.911196	50.0	1197383.0	0.39112	Y
4	IC 410-647030/15	20.0	7.573693	50.0	1207238.0	0.378685	Y
5	ICIS 410-647030/16	50.0	21.391842	50.0	1235887.0	0.427837	Y
6	IC 410-647030/17	100.0	40.199373	50.0	1237278.0	0.401994	Y
7	IC 410-647030/18	300.0	116.841605	50.0	1292264.0	0.389472	Y



Calibration / Tert-amyl methyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

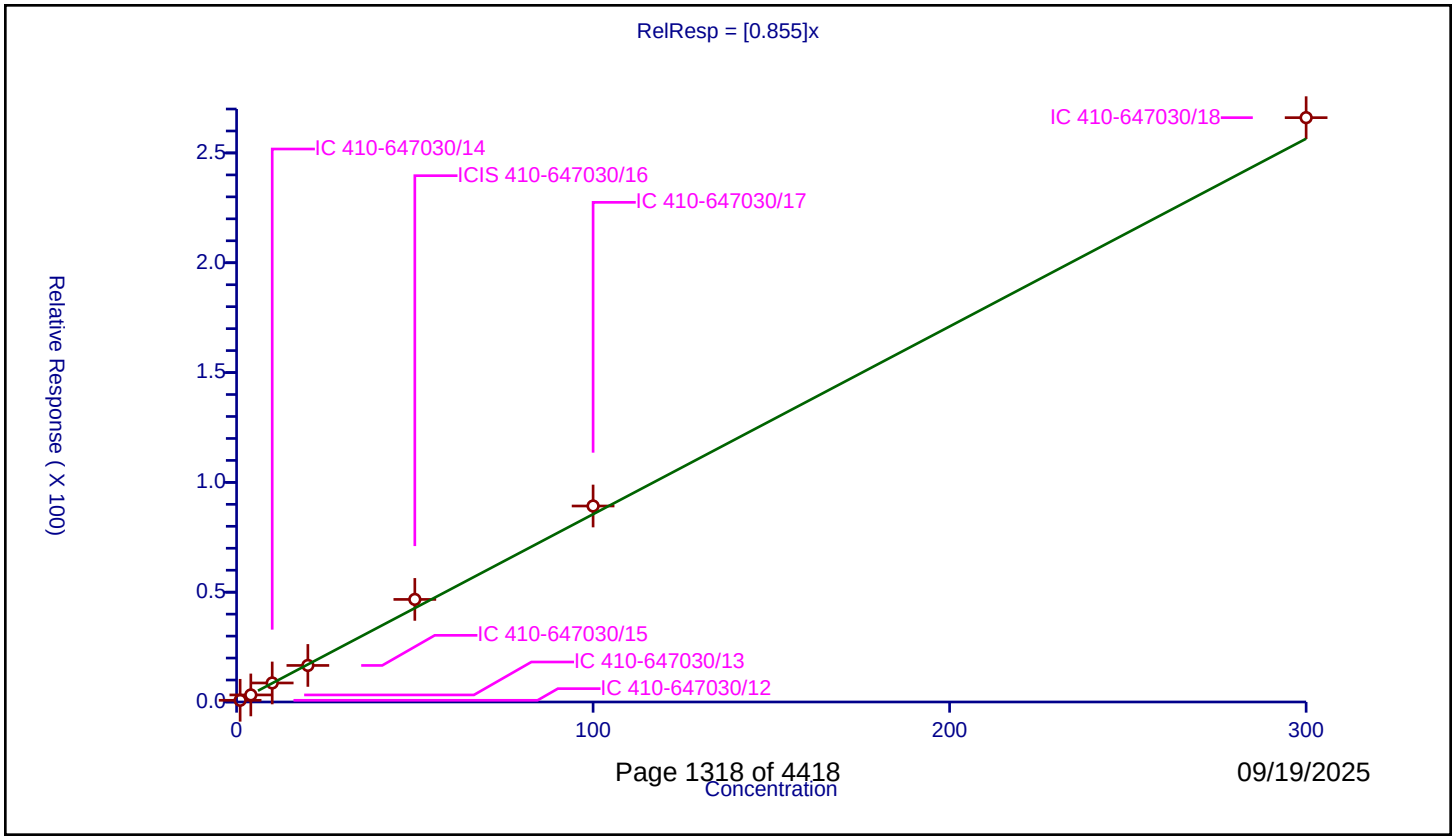
Curve Coefficients

Intercept:	0
Slope:	0.855

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.771356	50.0	1142404.0	0.771356	Y
2	IC 410-647030/13	4.0	3.205861	50.0	1144326.0	0.801465	Y
3	IC 410-647030/14	10.0	8.668947	50.0	1197383.0	0.866895	Y
4	IC 410-647030/15	20.0	16.634872	50.0	1207238.0	0.831744	Y
5	ICIS 410-647030/16	50.0	46.702935	50.0	1235887.0	0.934059	Y
6	IC 410-647030/17	100.0	89.233099	50.0	1237278.0	0.892331	Y
7	IC 410-647030/18	300.0	266.061463	50.0	1292264.0	0.886872	Y



09/19/2025

Calibration / n-Heptane

Curve Type:	Linear
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

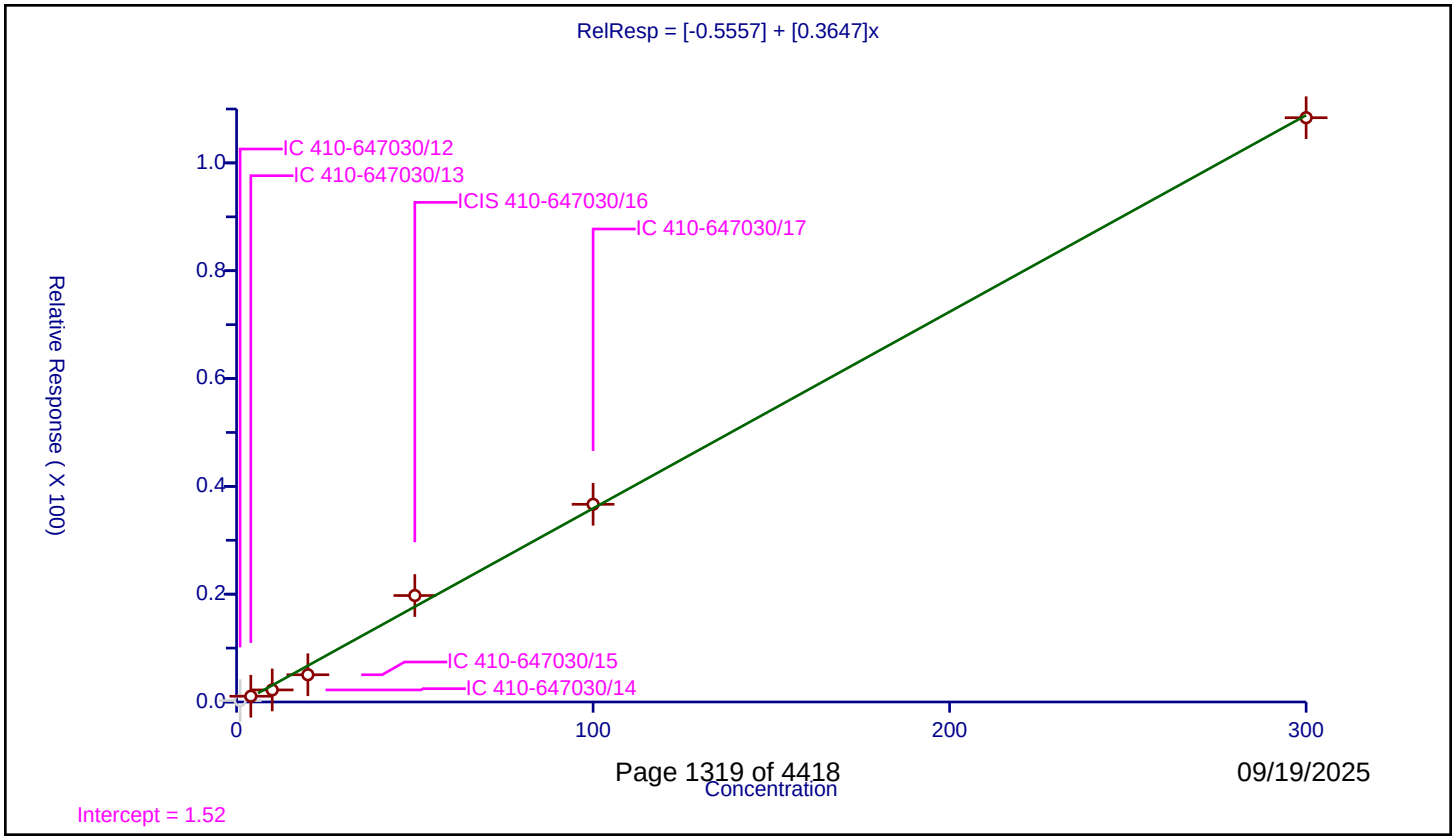
Curve Coefficients

Intercept:	-0.5557
Slope:	0.3647

Error Coefficients

Relative Standard Deviation:	18.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.260897	50.0	1142404.0	0.260897	N
2	IC 410-647030/13	4.0	1.067484	50.0	1144326.0	0.266871	Y
3	IC 410-647030/14	10.0	2.236837	50.0	1197383.0	0.223684	Y
4	IC 410-647030/15	20.0	5.051572	50.0	1207238.0	0.252579	Y
5	ICIS 410-647030/16	50.0	19.752129	50.0	1235887.0	0.395043	Y
6	IC 410-647030/17	100.0	36.67563	50.0	1237278.0	0.366756	Y
7	IC 410-647030/18	300.0	108.386328	50.0	1292264.0	0.361288	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

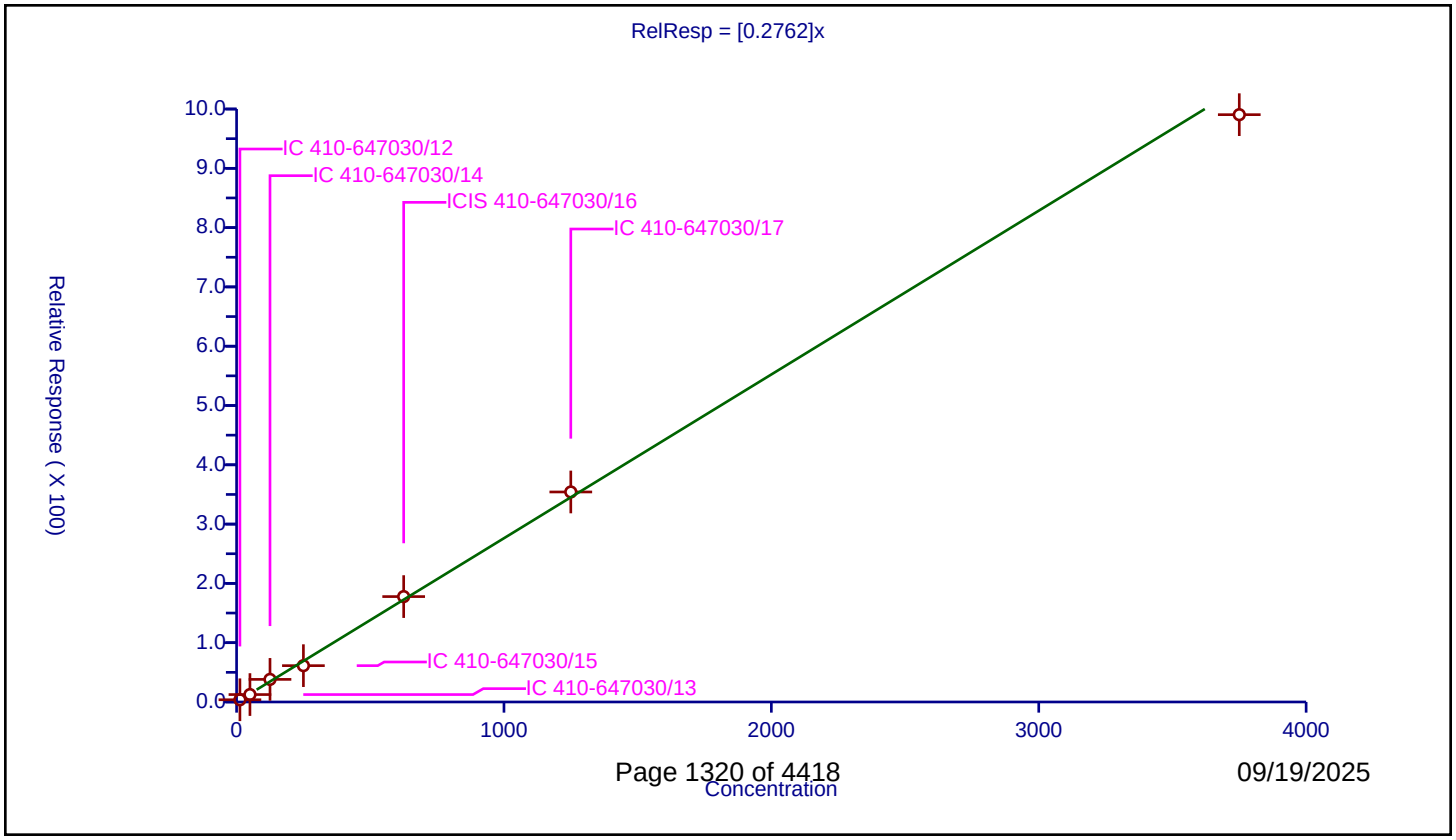
Curve Coefficients

Intercept:	0
Slope:	0.2762

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	12.5	3.761318	250.0	558049.0	0.300905	Y
2	IC 410-647030/13	50.0	12.52972	250.0	535826.0	0.250594	Y
3	IC 410-647030/14	125.0	38.094352	250.0	553376.0	0.304755	Y
4	IC 410-647030/15	250.0	61.269829	250.0	538238.0	0.245079	Y
5	ICIS 410-647030/16	625.0	177.727053	250.0	551887.0	0.284363	Y
6	IC 410-647030/17	1250.0	354.157639	250.0	553848.0	0.283326	Y
7	IC 410-647030/18	3750.0	990.446187	250.0	530024.0	0.264119	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

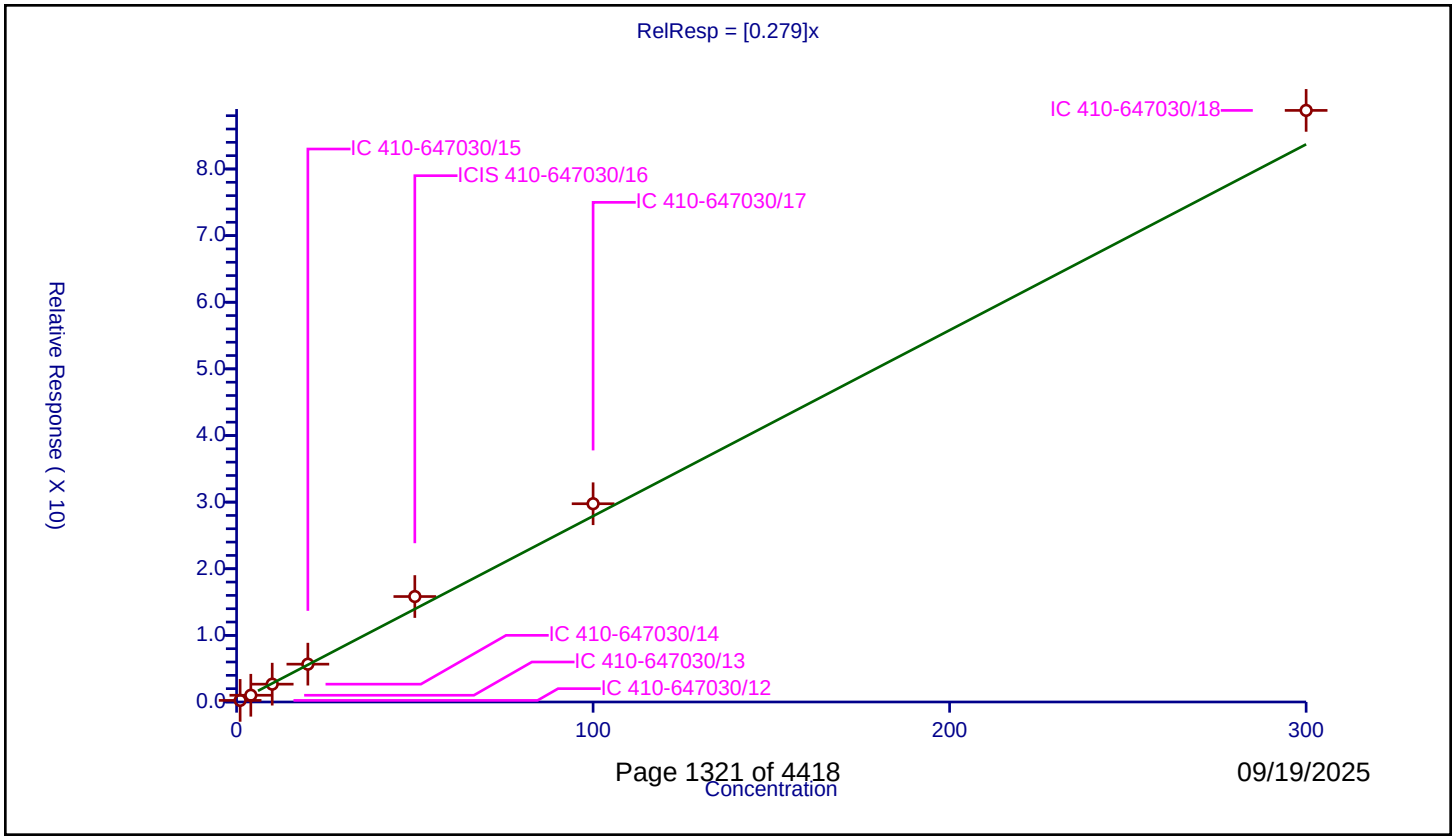
Curve Coefficients

Intercept:	0
Slope:	0.279

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.238226	50.0	1142404.0	0.238226	Y
2	IC 410-647030/13	4.0	1.012561	50.0	1144326.0	0.25314	Y
3	IC 410-647030/14	10.0	2.676963	50.0	1197383.0	0.267696	Y
4	IC 410-647030/15	20.0	5.676387	50.0	1207238.0	0.283819	Y
5	ICIS 410-647030/16	50.0	15.828672	50.0	1235887.0	0.316573	Y
6	IC 410-647030/17	100.0	29.755156	50.0	1237278.0	0.297552	Y
7	IC 410-647030/18	300.0	88.792615	50.0	1292264.0	0.295975	Y



Calibration / Ethyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

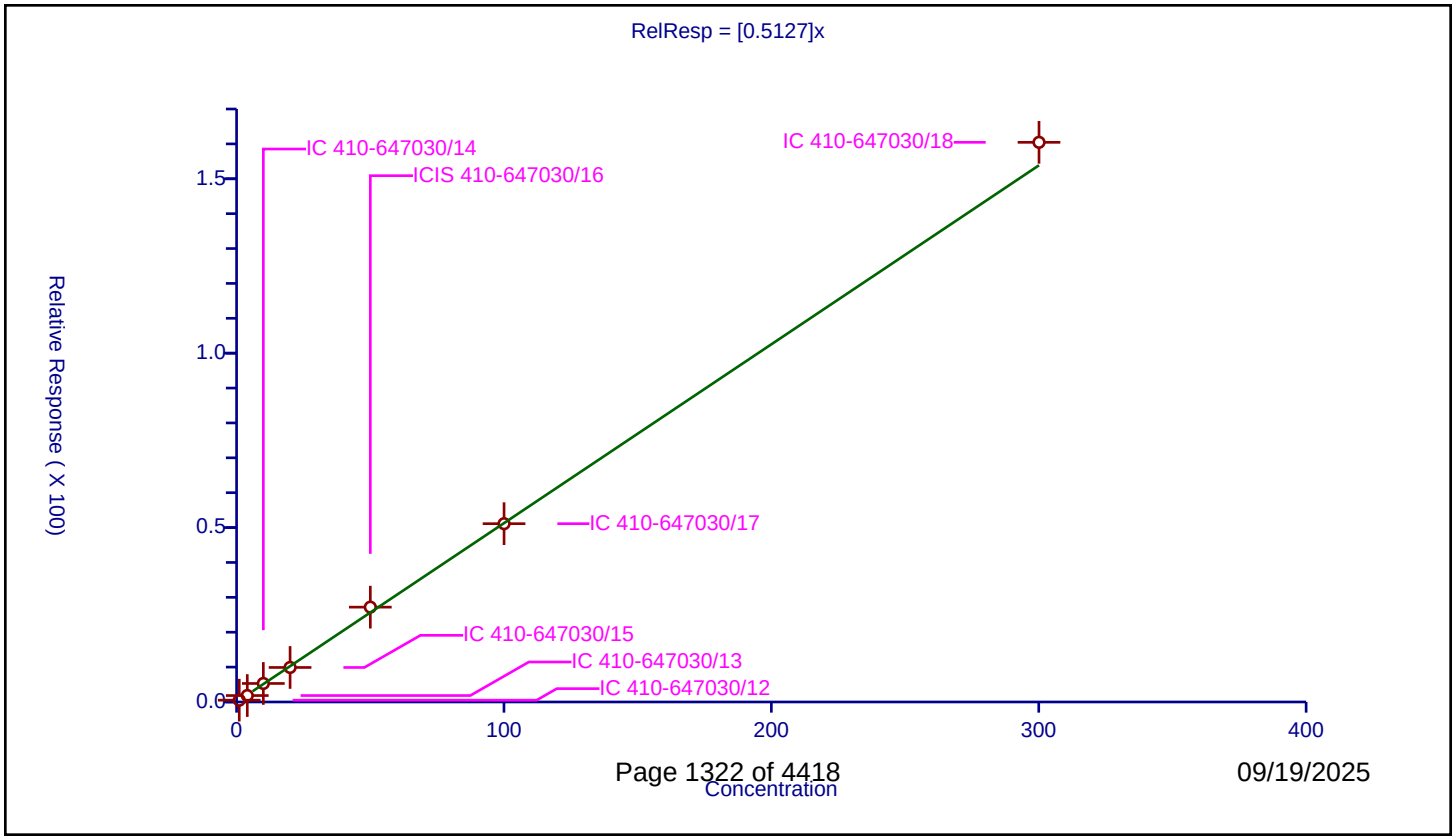
Curve Coefficients

Intercept:	0
Slope:	0.5127

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.000354	0.512691	50.0	1142404.0	0.512509	Y
2	IC 410-647030/13	4.001415	1.847113	50.0	1144326.0	0.461615	Y
3	IC 410-647030/14	10.003538	5.310289	50.0	1197383.0	0.530841	Y
4	IC 410-647030/15	20.007076	9.898545	50.0	1207238.0	0.494752	Y
5	ICIS 410-647030/16	50.01769	27.188327	50.0	1235887.0	0.543574	Y
6	IC 410-647030/17	100.03538	51.118504	50.0	1237278.0	0.511004	Y
7	IC 410-647030/18	300.10614	160.454211	50.0	1292264.0	0.534658	Y



Calibration / Methylcyclohexane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

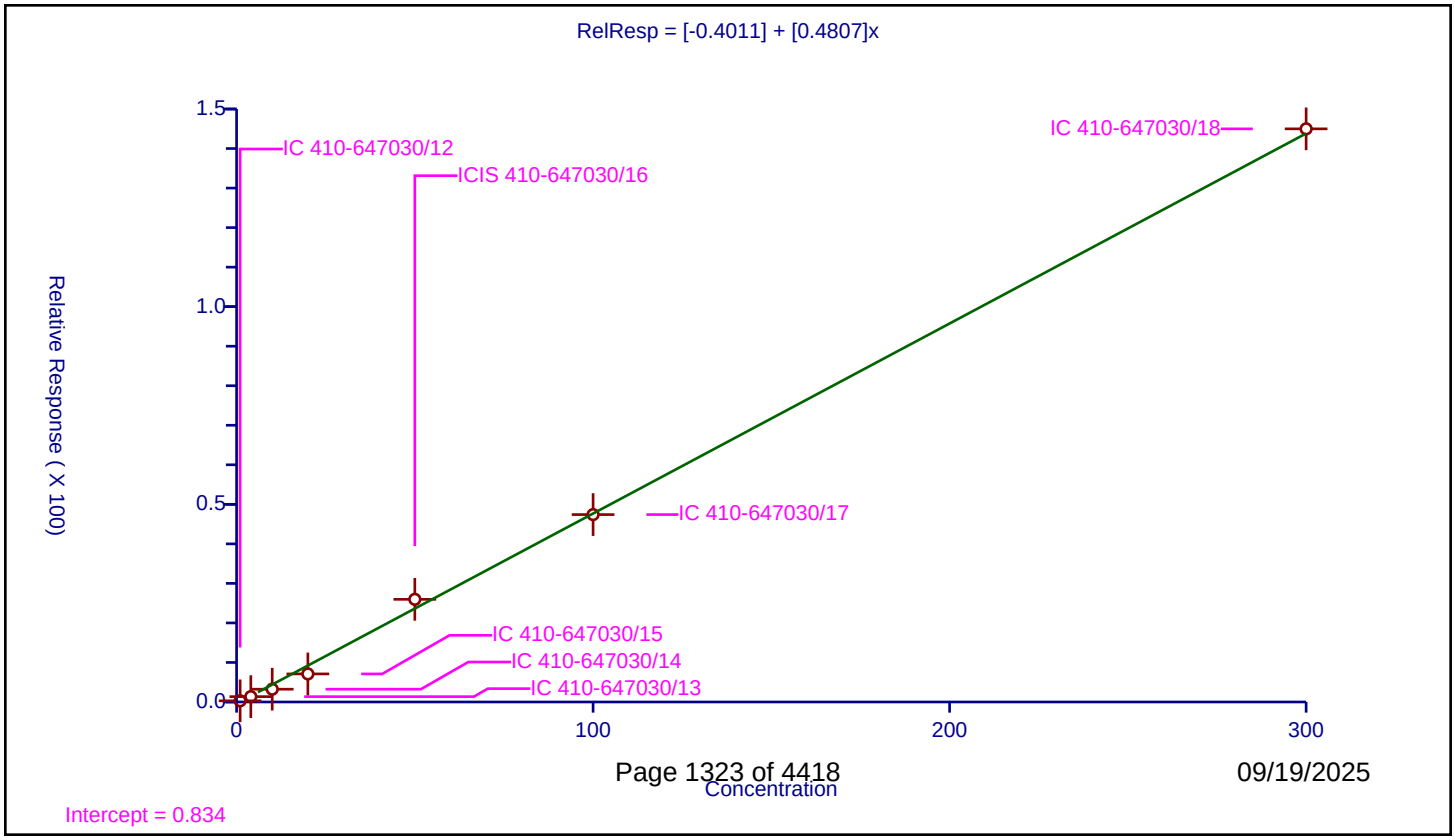
Curve Coefficients

Intercept:	-0.4011
Slope:	0.4807

Error Coefficients

Relative Standard Deviation:	25.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.296042	50.0	1142404.0	0.296042	Y
2	IC 410-647030/13	4.0	1.354771	50.0	1144326.0	0.338693	Y
3	IC 410-647030/14	10.0	3.236767	50.0	1197383.0	0.323677	Y
4	IC 410-647030/15	20.0	7.101044	50.0	1207238.0	0.355052	Y
5	ICIS 410-647030/16	50.0	25.967868	50.0	1235887.0	0.519357	Y
6	IC 410-647030/17	100.0	47.402605	50.0	1237278.0	0.474026	Y
7	IC 410-647030/18	300.0	144.982101	50.0	1292264.0	0.483274	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

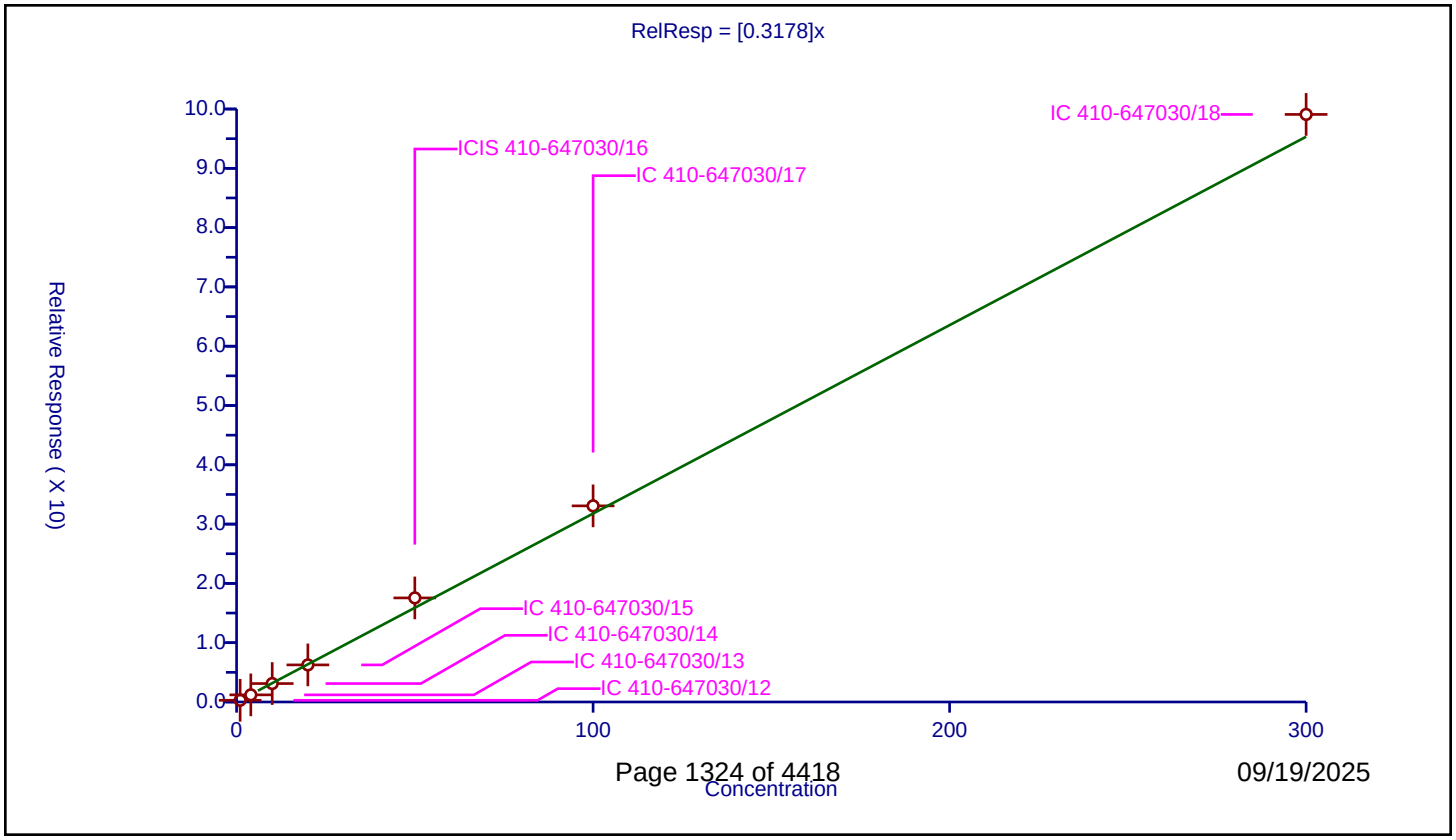
Curve Coefficients

Intercept:	0
Slope:	0.3178

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.287245	50.0	1142404.0	0.287245	Y
2	IC 410-647030/13	4.0	1.205164	50.0	1144326.0	0.301291	Y
3	IC 410-647030/14	10.0	3.110909	50.0	1197383.0	0.311091	Y
4	IC 410-647030/15	20.0	6.251543	50.0	1207238.0	0.312577	Y
5	ICIS 410-647030/16	50.0	17.550876	50.0	1235887.0	0.351018	Y
6	IC 410-647030/17	100.0	33.076075	50.0	1237278.0	0.330761	Y
7	IC 410-647030/18	300.0	99.086371	50.0	1292264.0	0.330288	Y



Calibration / 2-ethoxy-2-methyl butane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

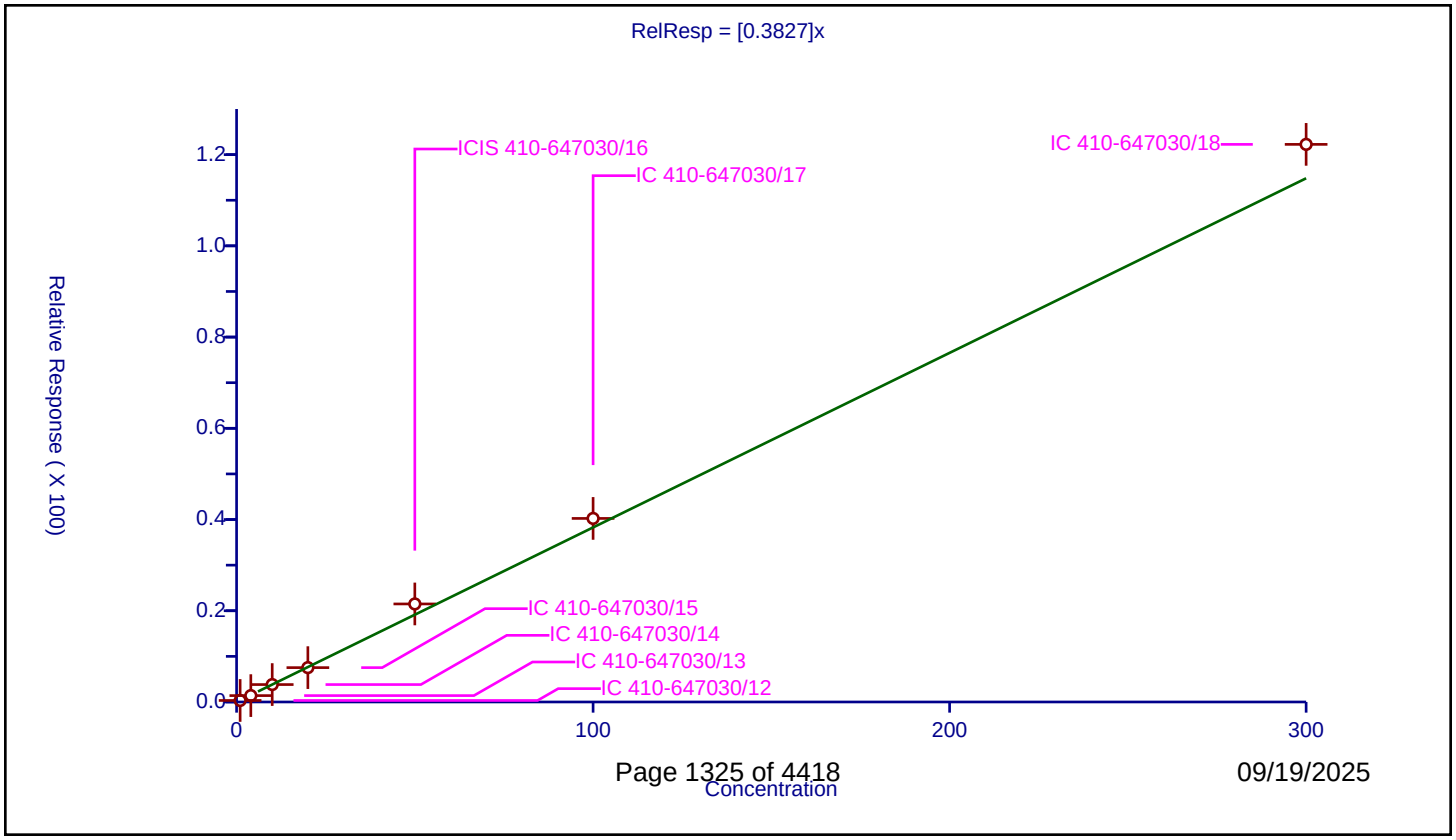
Curve Coefficients

Intercept:	0
Slope:	0.3827

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.329918	50.0	1142404.0	0.329918	Y
2	IC 410-647030/13	4.0	1.402135	50.0	1144326.0	0.350534	Y
3	IC 410-647030/14	10.0	3.820624	50.0	1197383.0	0.382062	Y
4	IC 410-647030/15	20.0	7.531034	50.0	1207238.0	0.376552	Y
5	ICIS 410-647030/16	50.0	21.49436	50.0	1235887.0	0.429887	Y
6	IC 410-647030/17	100.0	40.243179	50.0	1237278.0	0.402432	Y
7	IC 410-647030/18	300.0	122.24766	50.0	1292264.0	0.407492	Y



09/19/2025

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

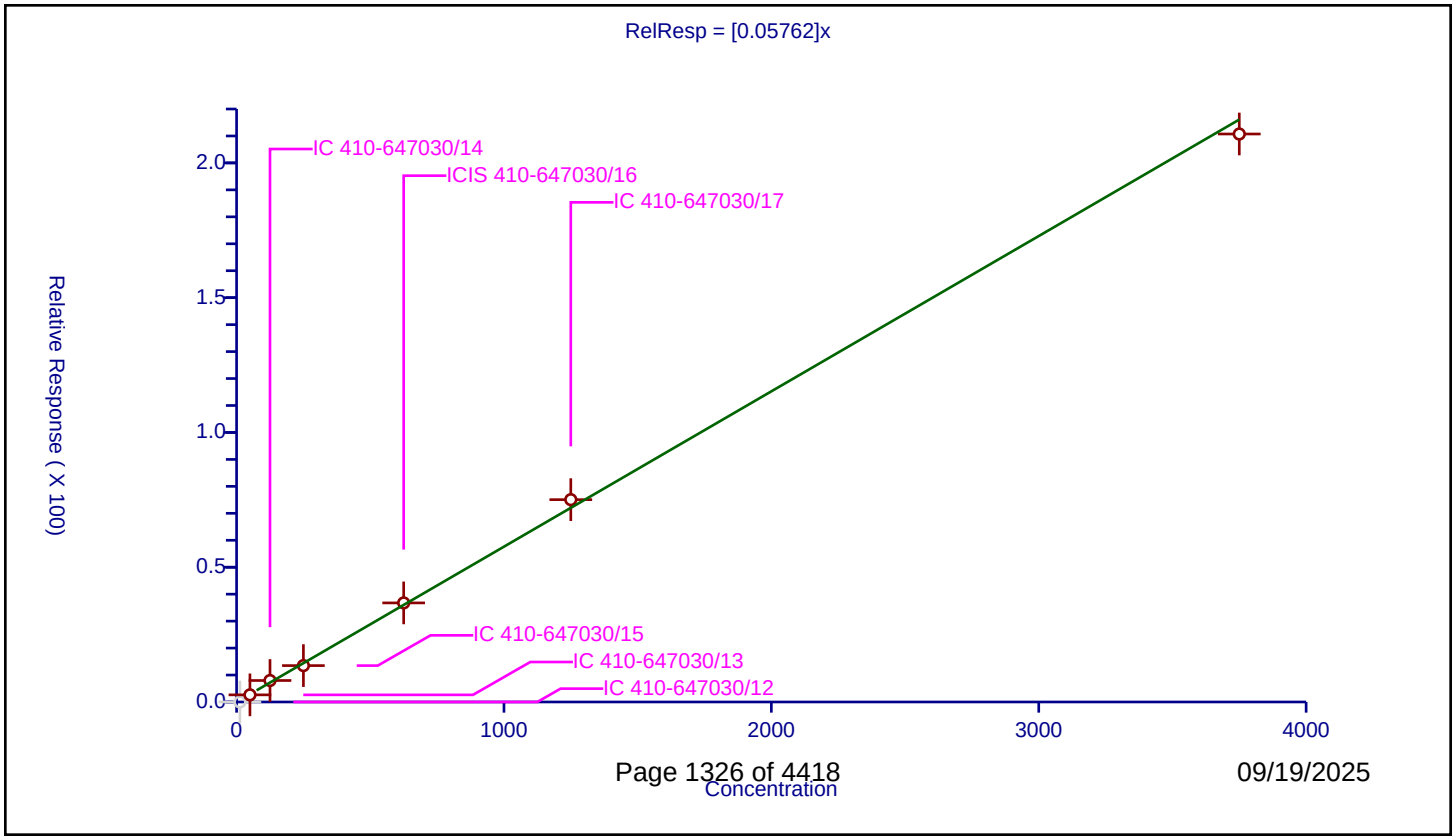
Curve Coefficients

Intercept:	0
Slope:	0.05762

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	12.5	0.0	250.0	558049.0	0.0	N
2	IC 410-647030/13	50.0	2.646848	250.0	535826.0	0.052937	Y
3	IC 410-647030/14	125.0	7.968361	250.0	553376.0	0.063747	Y
4	IC 410-647030/15	250.0	13.497746	250.0	538238.0	0.053991	Y
5	ICIS 410-647030/16	625.0	36.758431	250.0	551887.0	0.058813	Y
6	IC 410-647030/17	1250.0	75.070687	250.0	553848.0	0.060057	Y
7	IC 410-647030/18	3750.0	210.726307	250.0	530024.0	0.056194	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

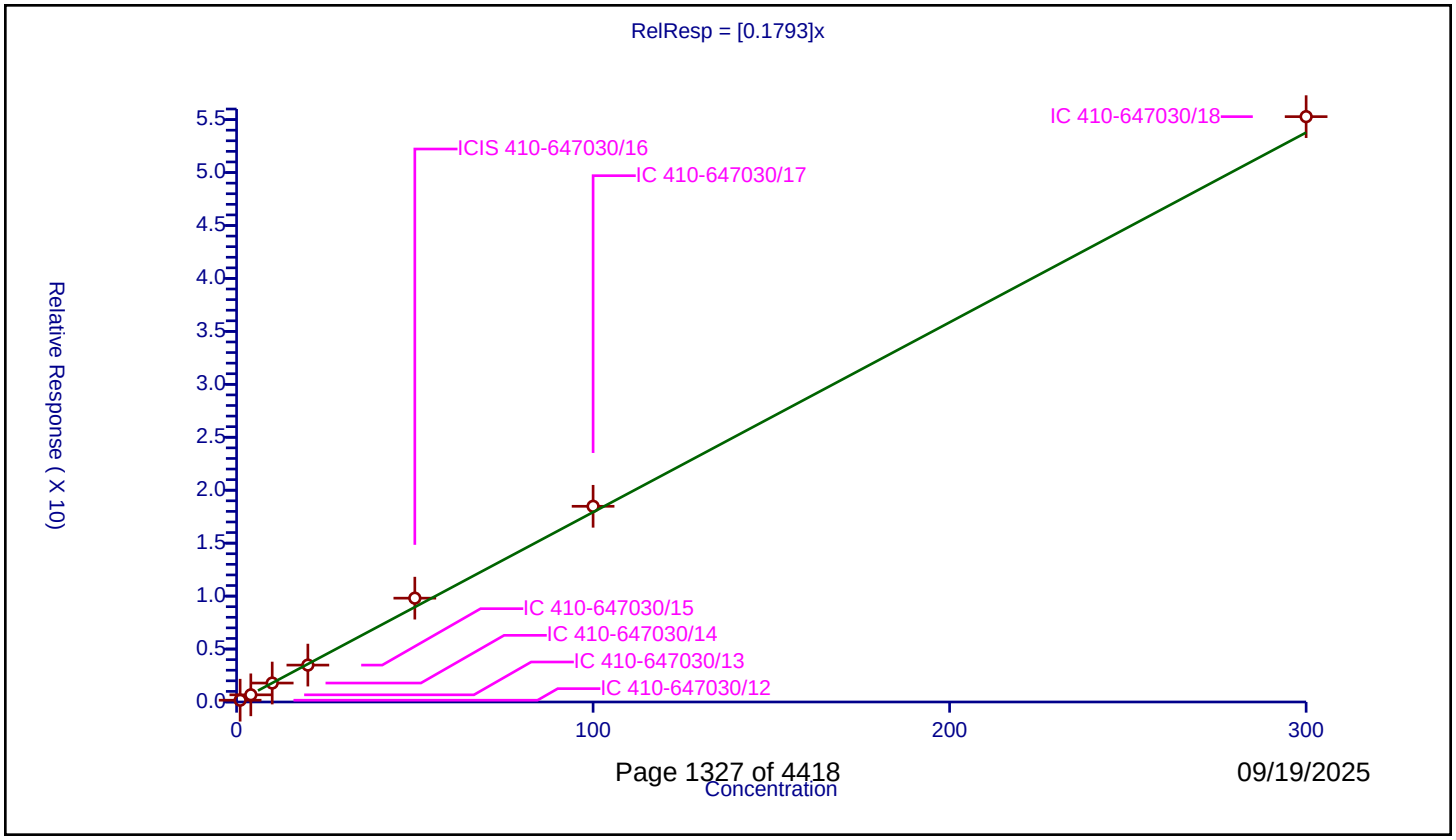
Curve Coefficients

Intercept:	0
Slope:	0.1793

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.167498	50.0	1142404.0	0.167498	Y
2	IC 410-647030/13	4.0	0.676162	50.0	1144326.0	0.169041	Y
3	IC 410-647030/14	10.0	1.788985	50.0	1197383.0	0.178898	Y
4	IC 410-647030/15	20.0	3.484856	50.0	1207238.0	0.174243	Y
5	ICIS 410-647030/16	50.0	9.804335	50.0	1235887.0	0.196087	Y
6	IC 410-647030/17	100.0	18.480527	50.0	1237278.0	0.184805	Y
7	IC 410-647030/18	300.0	55.280345	50.0	1292264.0	0.184268	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

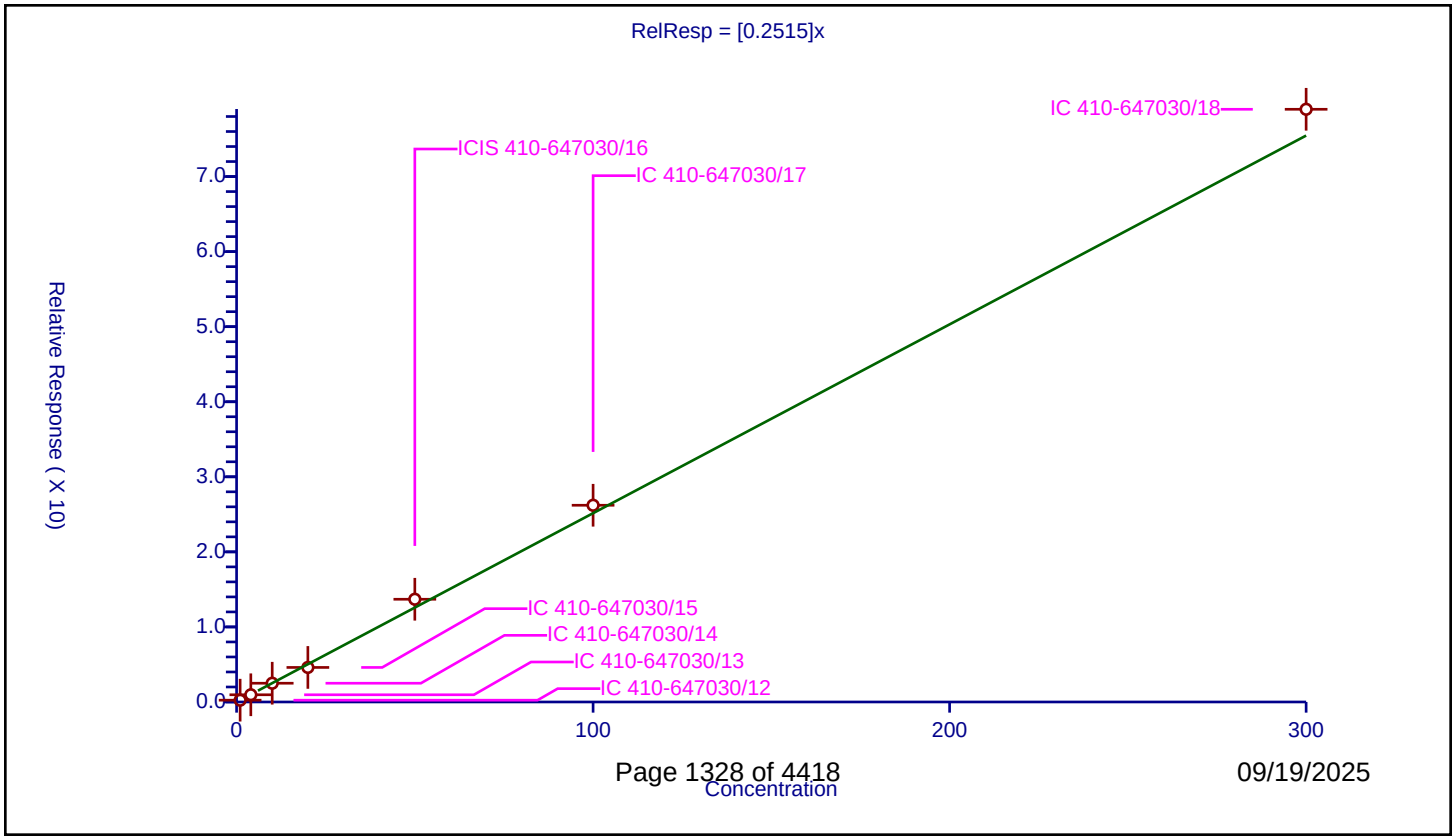
Curve Coefficients

Intercept:	0
Slope:	0.2515

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.241114	50.0	1142404.0	0.241114	Y
2	IC 410-647030/13	4.0	0.962532	50.0	1144326.0	0.240633	Y
3	IC 410-647030/14	10.0	2.498741	50.0	1197383.0	0.249874	Y
4	IC 410-647030/15	20.0	4.601412	50.0	1207238.0	0.230071	Y
5	ICIS 410-647030/16	50.0	13.687781	50.0	1235887.0	0.273756	Y
6	IC 410-647030/17	100.0	26.209793	50.0	1237278.0	0.262098	Y
7	IC 410-647030/18	300.0	78.963083	50.0	1292264.0	0.26321	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

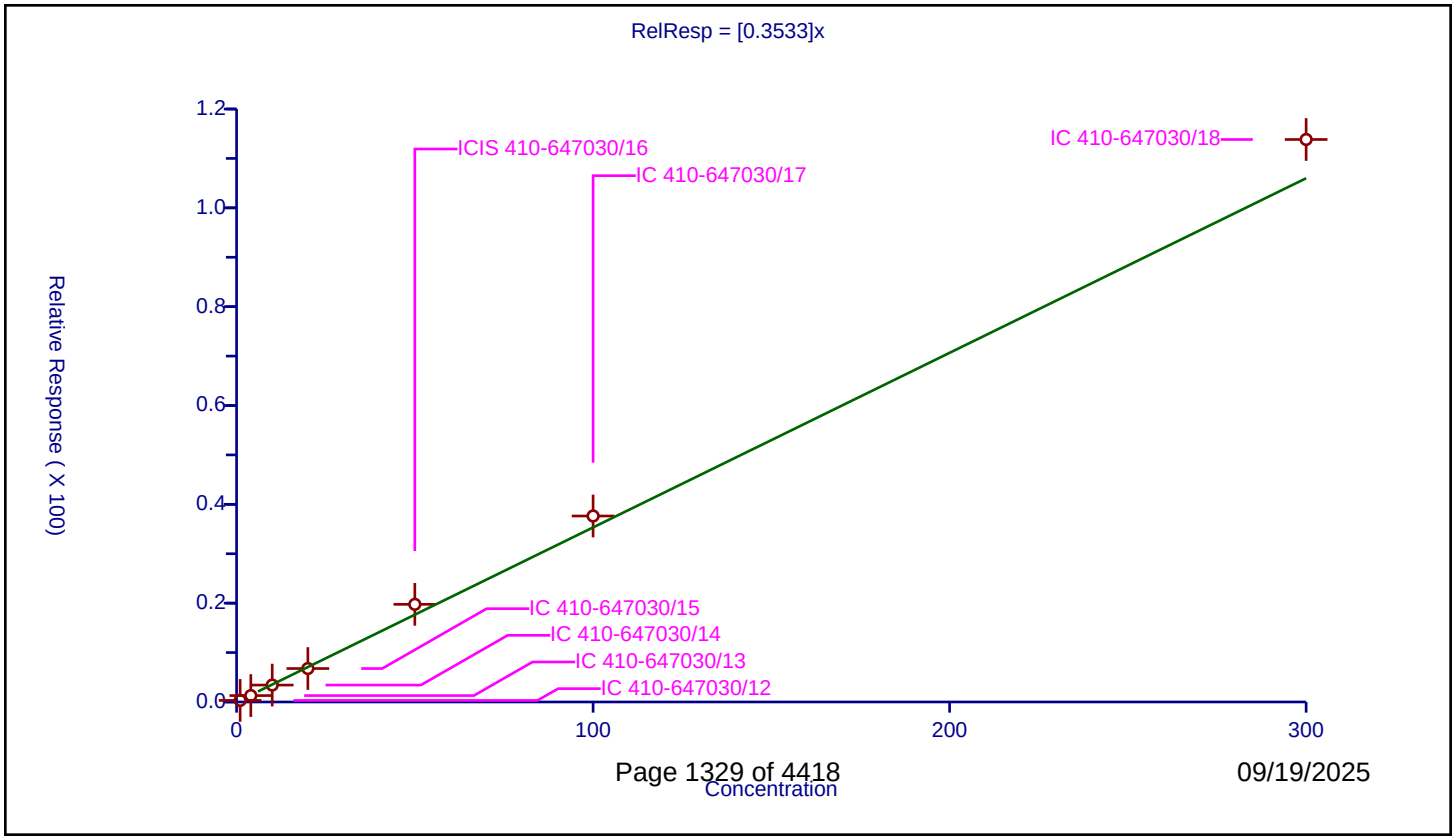
Curve Coefficients

Intercept:	0
Slope:	0.3533

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.316569	50.0	1142404.0	0.316569	Y
2	IC 410-647030/13	4.0	1.297401	50.0	1144326.0	0.32435	Y
3	IC 410-647030/14	10.0	3.426473	50.0	1197383.0	0.342647	Y
4	IC 410-647030/15	20.0	6.768591	50.0	1207238.0	0.33843	Y
5	ICIS 410-647030/16	50.0	19.760625	50.0	1235887.0	0.395213	Y
6	IC 410-647030/17	100.0	37.637459	50.0	1237278.0	0.376375	Y
7	IC 410-647030/18	300.0	113.833551	50.0	1292264.0	0.379445	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

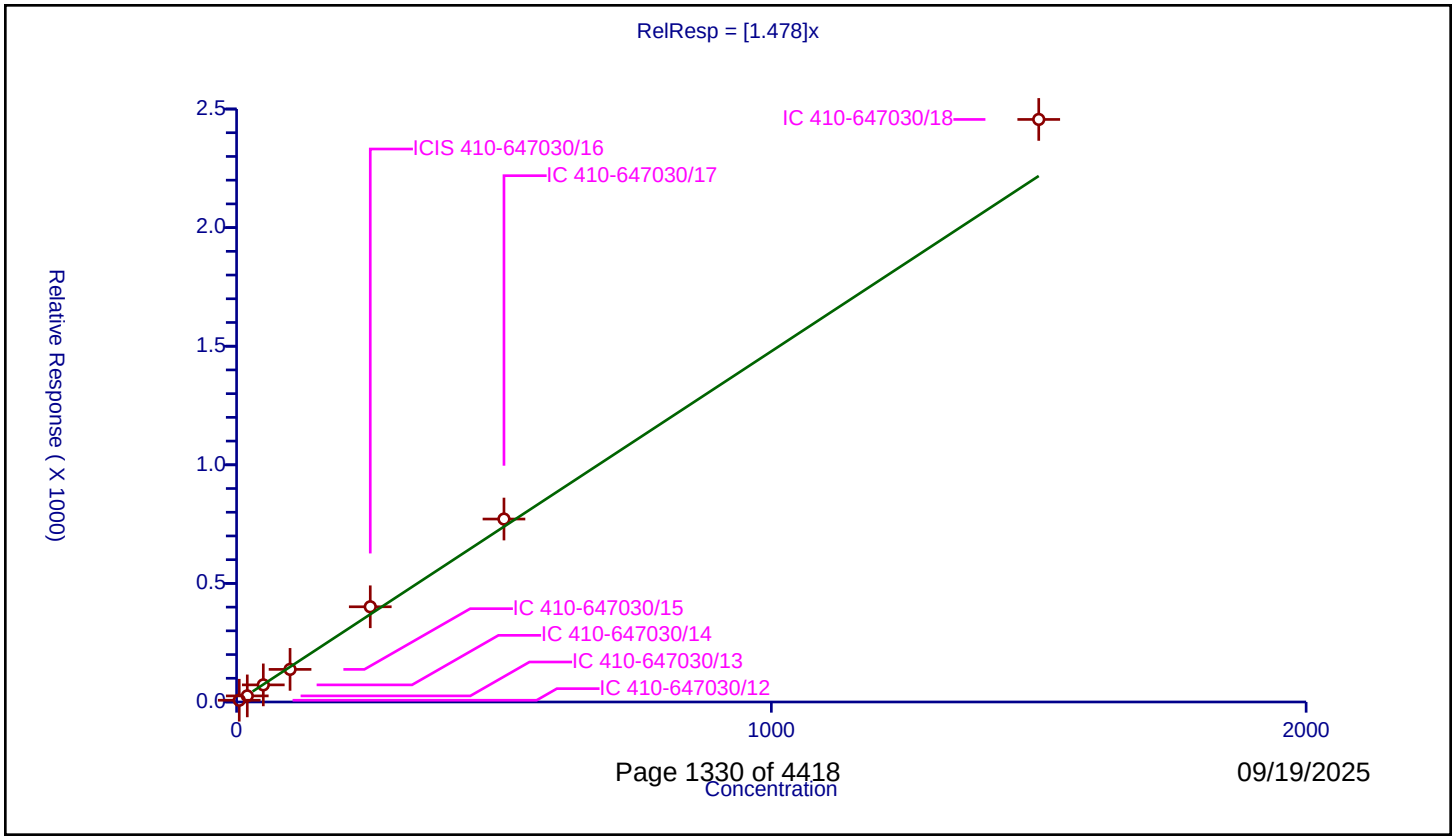
Curve Coefficients

Intercept:	0
Slope:	1.478

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	5.0	7.318354	250.0	558049.0	1.463671	Y
2	IC 410-647030/13	20.0	25.677179	250.0	535826.0	1.283859	Y
3	IC 410-647030/14	50.0	72.080737	250.0	553376.0	1.441615	Y
4	IC 410-647030/15	100.0	137.457779	250.0	538238.0	1.374578	Y
5	ICIS 410-647030/16	250.0	401.396935	250.0	551887.0	1.605588	Y
6	IC 410-647030/17	500.0	771.346561	250.0	553848.0	1.542693	Y
7	IC 410-647030/18	1500.0	2456.045387	250.0	530024.0	1.637364	Y



Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

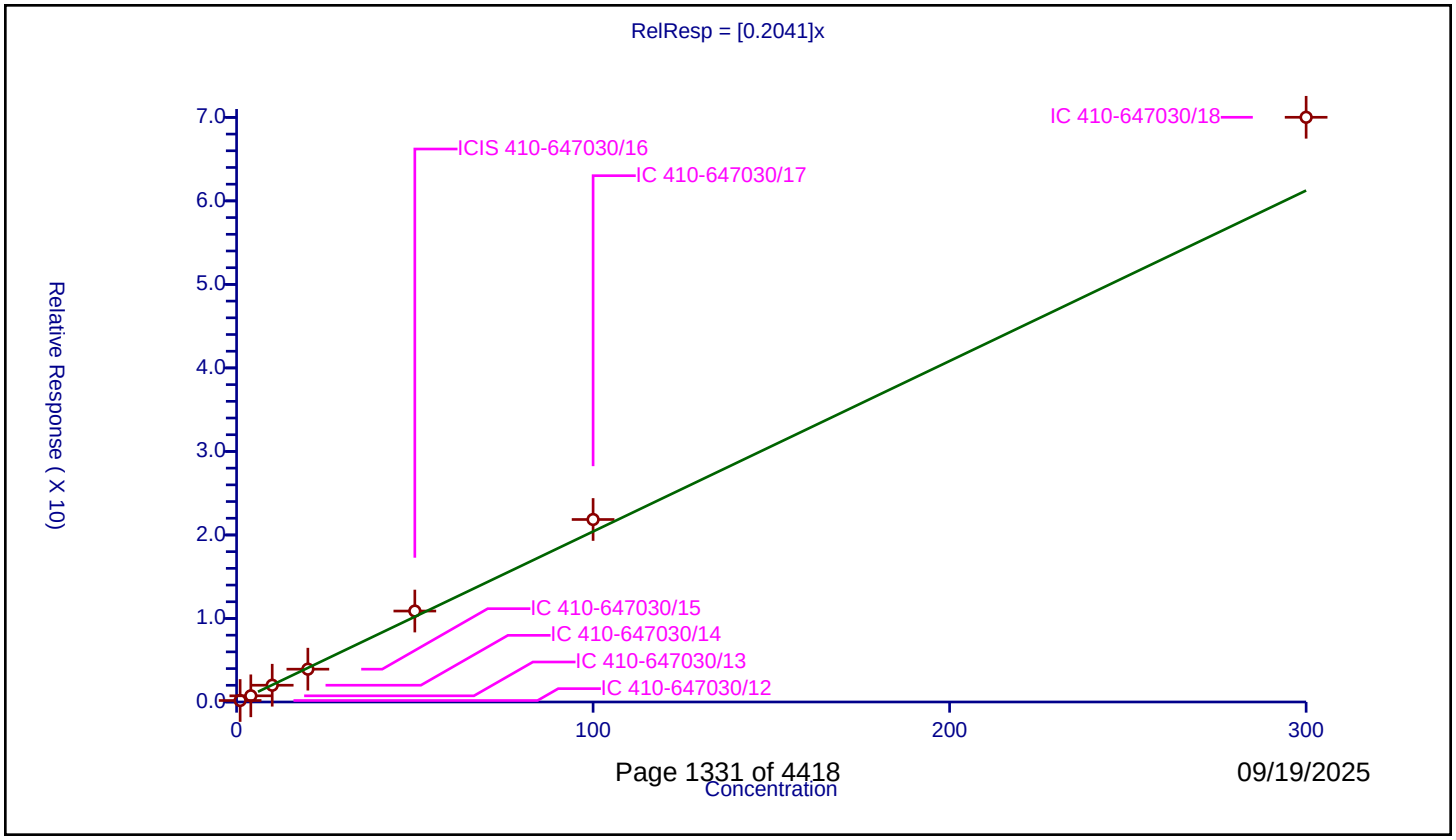
Curve Coefficients

Intercept:	0
Slope:	0.2041

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.177783	50.0	1142404.0	0.177783	Y
2	IC 410-647030/13	4.0	0.737639	50.0	1144326.0	0.18441	Y
3	IC 410-647030/14	10.0	2.006167	50.0	1197383.0	0.200617	Y
4	IC 410-647030/15	20.0	3.929051	50.0	1207238.0	0.196453	Y
5	ICIS 410-647030/16	50.0	10.890397	50.0	1235887.0	0.217808	Y
6	IC 410-647030/17	100.0	21.851435	50.0	1237278.0	0.218514	Y
7	IC 410-647030/18	300.0	70.009998	50.0	1292264.0	0.233367	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

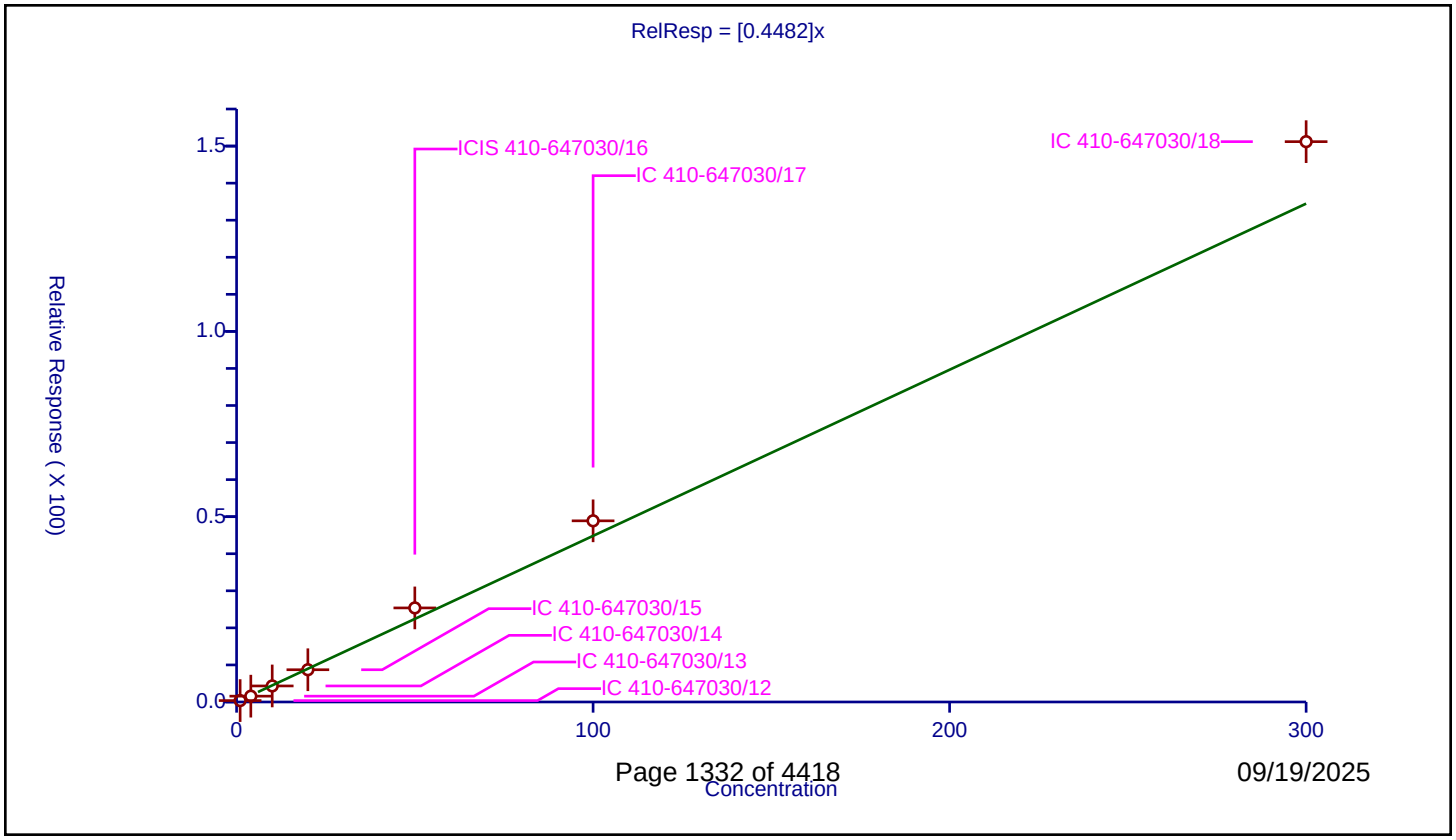
Curve Coefficients

Intercept:	0
Slope:	0.4482

Error Coefficients

Relative Standard Deviation:	11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.376487	50.0	1142404.0	0.376487	Y
2	IC 410-647030/13	4.0	1.569614	50.0	1144326.0	0.392403	Y
3	IC 410-647030/14	10.0	4.331446	50.0	1197383.0	0.433145	Y
4	IC 410-647030/15	20.0	8.701805	50.0	1207238.0	0.43509	Y
5	ICIS 410-647030/16	50.0	25.384238	50.0	1235887.0	0.507685	Y
6	IC 410-647030/17	100.0	48.884163	50.0	1237278.0	0.488842	Y
7	IC 410-647030/18	300.0	151.195344	50.0	1292264.0	0.503984	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

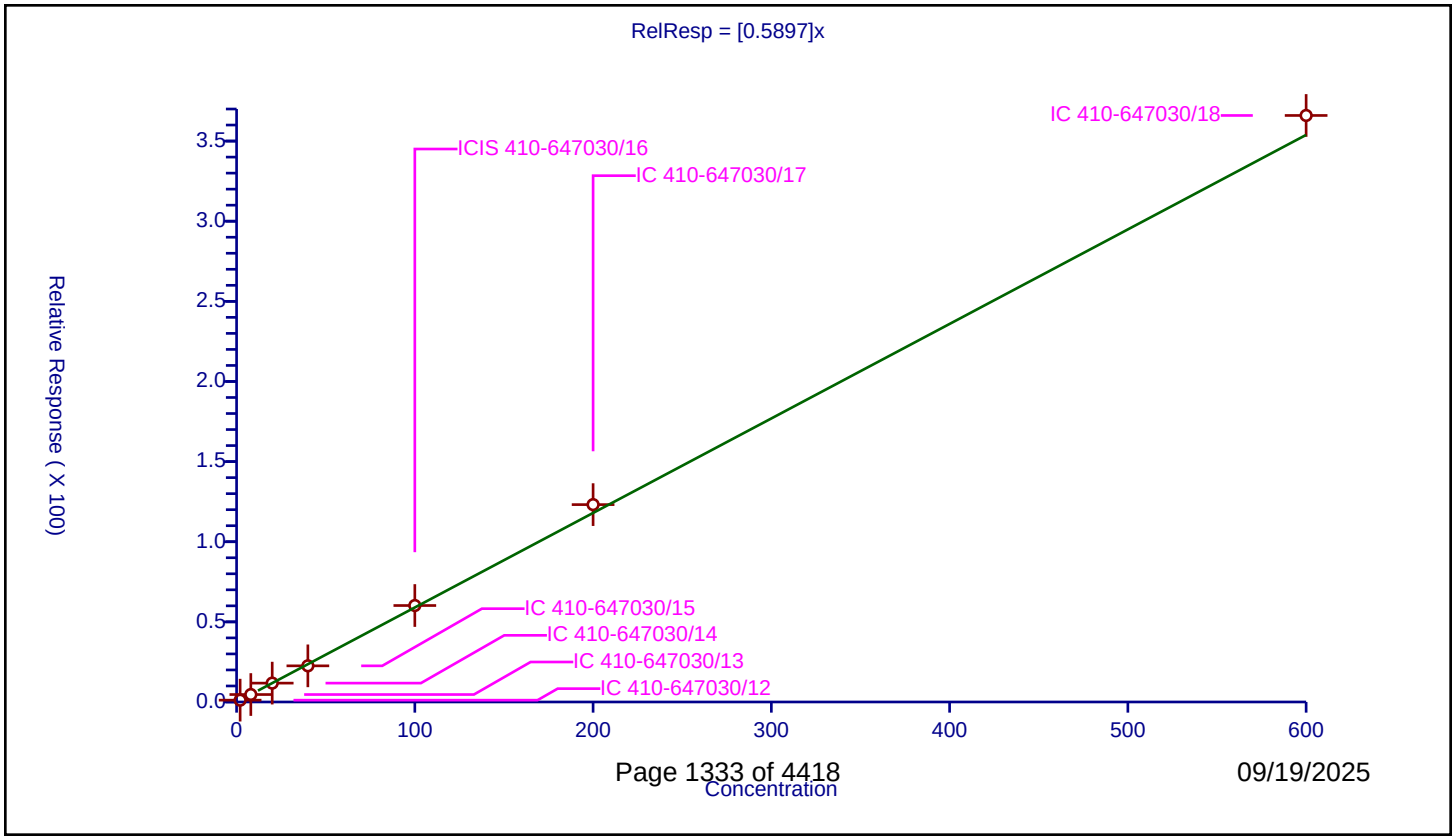
Curve Coefficients

Intercept:	0
Slope:	0.5897

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	2.0	1.132086	50.0	1142404.0	0.566043	Y
2	IC 410-647030/13	8.0	4.652477	50.0	1144326.0	0.58156	Y
3	IC 410-647030/14	20.0	11.778687	50.0	1197383.0	0.588934	Y
4	IC 410-647030/15	40.0	22.558725	50.0	1207238.0	0.563968	Y
5	ICIS 410-647030/16	100.0	60.195592	50.0	1235887.0	0.601956	Y
6	IC 410-647030/17	200.0	123.162822	50.0	1237278.0	0.615814	Y
7	IC 410-647030/18	600.0	365.965081	50.0	1292264.0	0.609942	Y



09/19/2025

Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

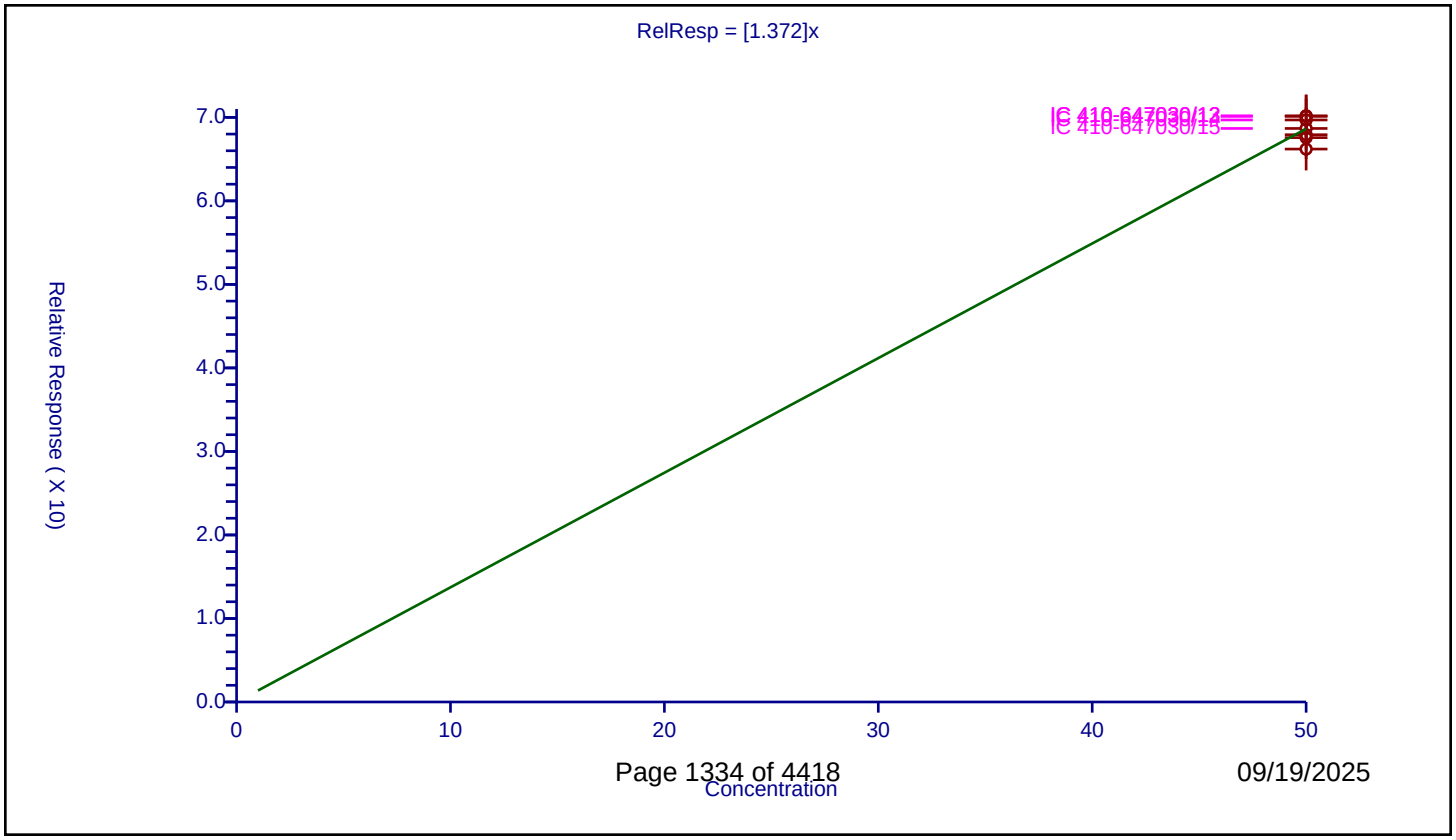
Curve Coefficients

Intercept:	0
Slope:	1.372

Error Coefficients

Relative Standard Deviation:	2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	50.0	70.190046	50.0	750397.0	1.403801	Y
2	IC 410-647030/13	50.0	70.119042	50.0	753177.0	1.402381	Y
3	IC 410-647030/14	50.0	69.688593	50.0	791184.0	1.393772	Y
4	IC 410-647030/15	50.0	68.672558	50.0	818115.0	1.373451	Y
5	ICIS 410-647030/16	50.0	67.921277	50.0	861702.0	1.358426	Y
6	IC 410-647030/17	50.0	67.571162	50.0	864681.0	1.351423	Y
7	IC 410-647030/18	50.0	66.204684	50.0	946032.0	1.324094	Y



09/19/2025

Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

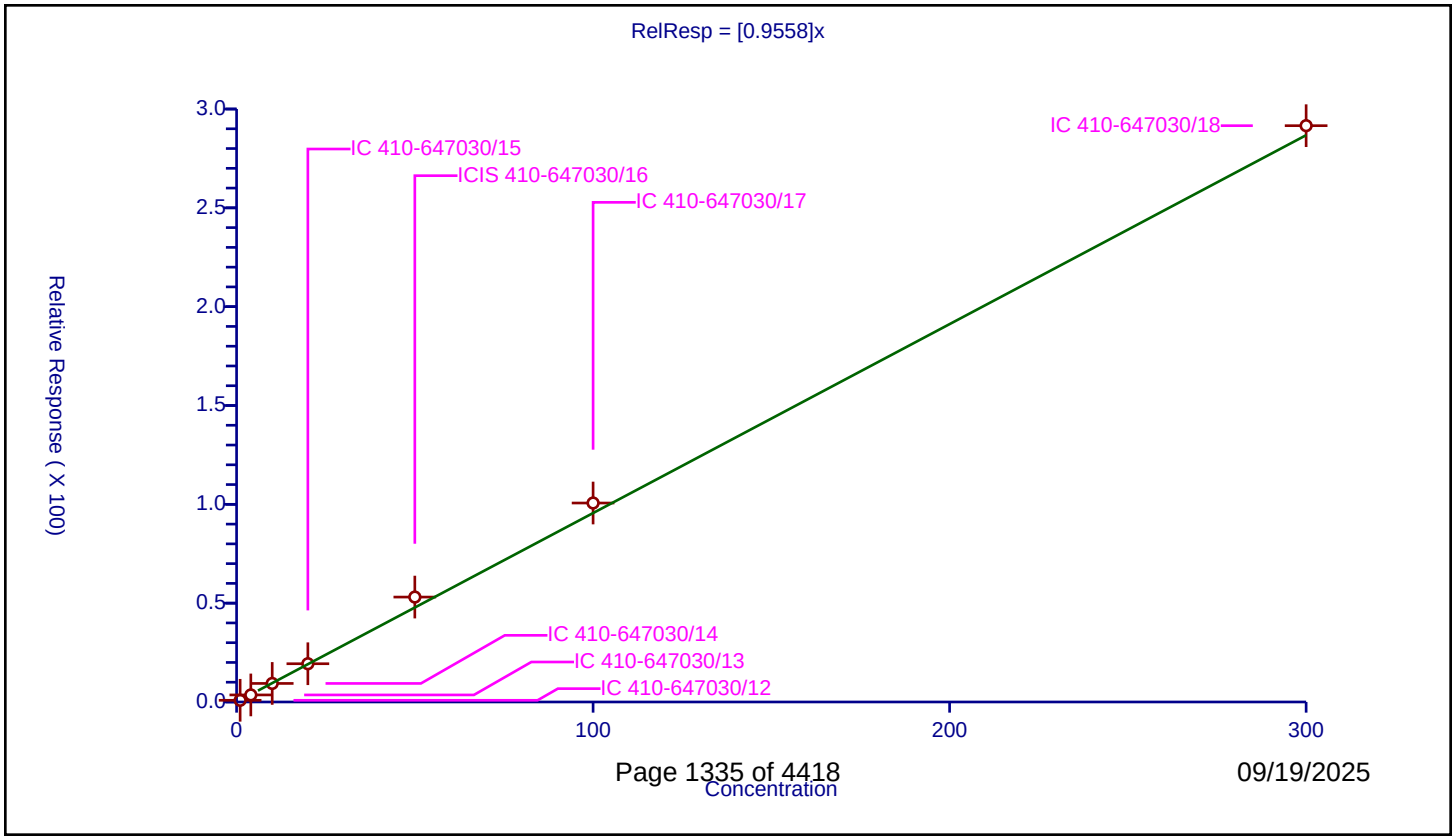
Curve Coefficients

Intercept:	0
Slope:	0.9558

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.852149	50.0	750397.0	0.852149	Y
2	IC 410-647030/13	4.0	3.568484	50.0	753177.0	0.892121	Y
3	IC 410-647030/14	10.0	9.388777	50.0	791184.0	0.938878	Y
4	IC 410-647030/15	20.0	19.35003	50.0	818115.0	0.967502	Y
5	ICIS 410-647030/16	50.0	53.084245	50.0	861702.0	1.061685	Y
6	IC 410-647030/17	100.0	100.670999	50.0	864681.0	1.00671	Y
7	IC 410-647030/18	300.0	291.565137	50.0	946032.0	0.971884	Y



09/19/2025

Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

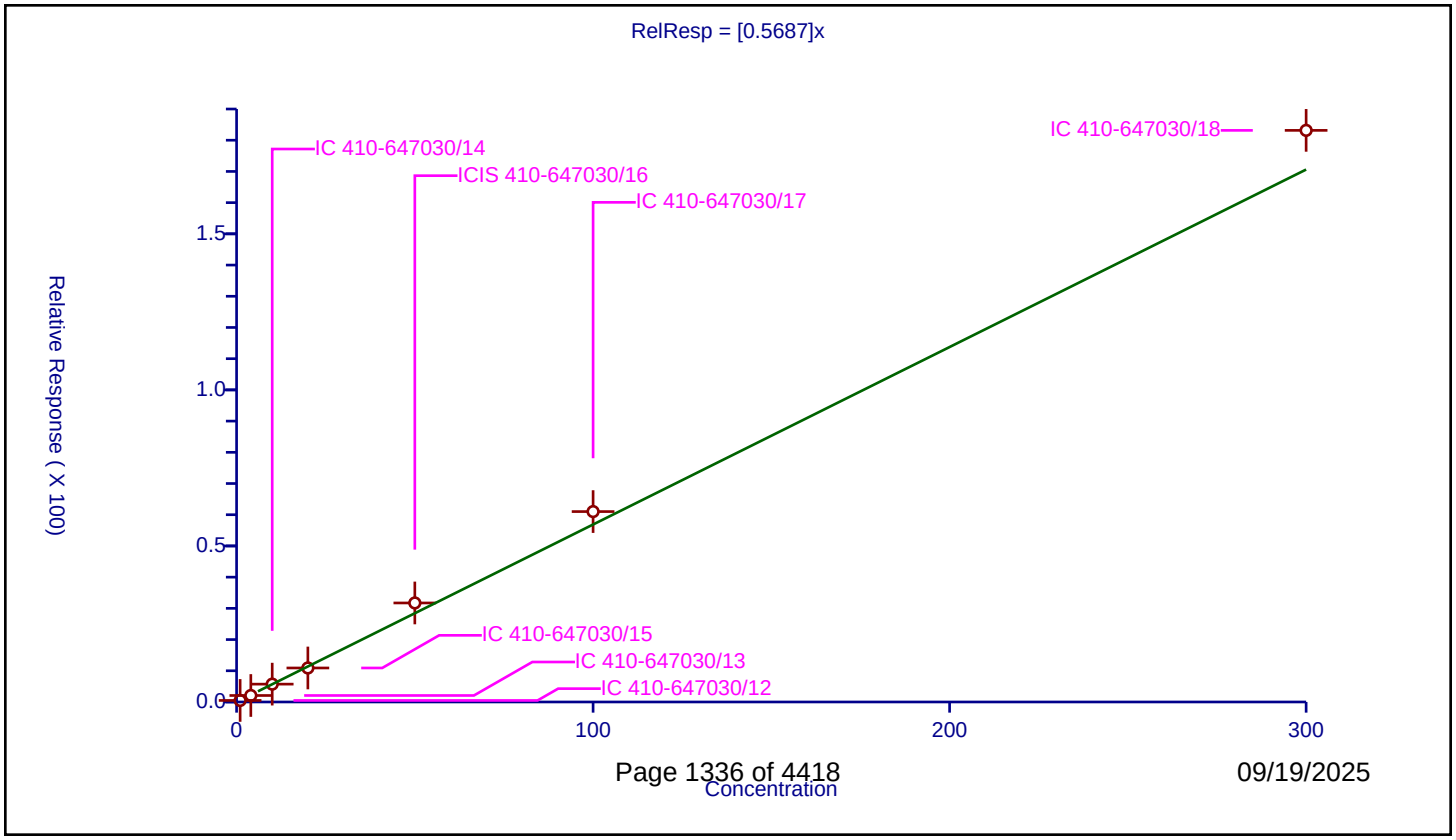
Curve Coefficients

Intercept:	0
Slope:	0.5687

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.489741	50.0	750397.0	0.489741	Y
2	IC 410-647030/13	4.0	2.07667	50.0	753177.0	0.519167	Y
3	IC 410-647030/14	10.0	5.717381	50.0	791184.0	0.571738	Y
4	IC 410-647030/15	20.0	10.89639	50.0	818115.0	0.544819	Y
5	ICIS 410-647030/16	50.0	31.73365	50.0	861702.0	0.634673	Y
6	IC 410-647030/17	100.0	61.011691	50.0	864681.0	0.610117	Y
7	IC 410-647030/18	300.0	183.156278	50.0	946032.0	0.610521	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

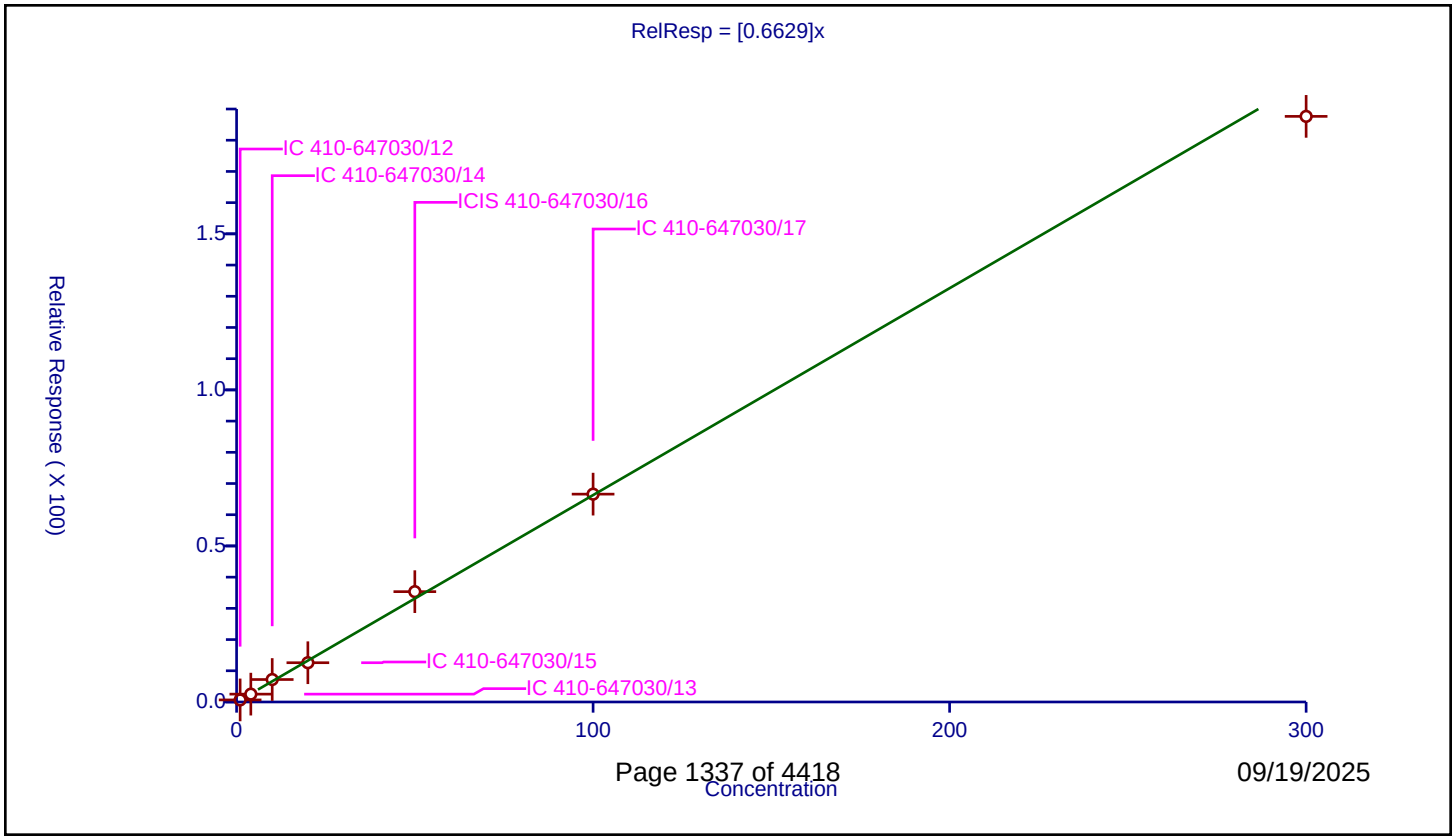
Curve Coefficients

Intercept:	0
Slope:	0.6629

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.663382	50.0	750397.0	0.663382	Y
2	IC 410-647030/13	4.0	2.517204	50.0	753177.0	0.629301	Y
3	IC 410-647030/14	10.0	7.202307	50.0	791184.0	0.720231	Y
4	IC 410-647030/15	20.0	12.578183	50.0	818115.0	0.628909	Y
5	ICIS 410-647030/16	50.0	35.350678	50.0	861702.0	0.707014	Y
6	IC 410-647030/17	100.0	66.601325	50.0	864681.0	0.666013	Y
7	IC 410-647030/18	300.0	187.639107	50.0	946032.0	0.625464	Y



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

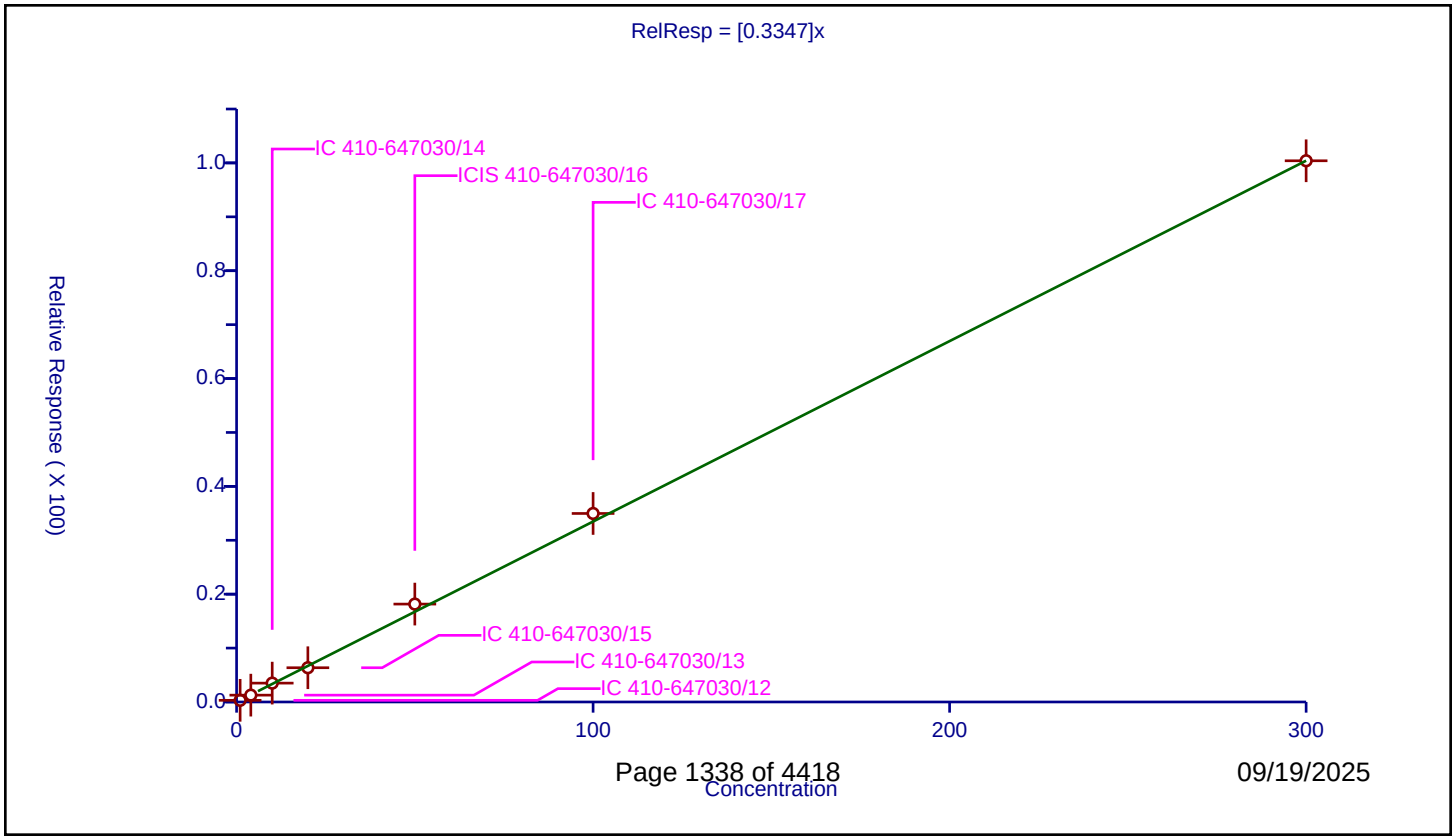
Curve Coefficients

Intercept:	0
Slope:	0.3347

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.310636	50.0	750397.0	0.310636	Y
2	IC 410-647030/13	4.0	1.269157	50.0	753177.0	0.317289	Y
3	IC 410-647030/14	10.0	3.49748	50.0	791184.0	0.349748	Y
4	IC 410-647030/15	20.0	6.35418	50.0	818115.0	0.317709	Y
5	ICIS 410-647030/16	50.0	18.162601	50.0	861702.0	0.363252	Y
6	IC 410-647030/17	100.0	34.971336	50.0	864681.0	0.349713	Y
7	IC 410-647030/18	300.0	100.400356	50.0	946032.0	0.334668	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

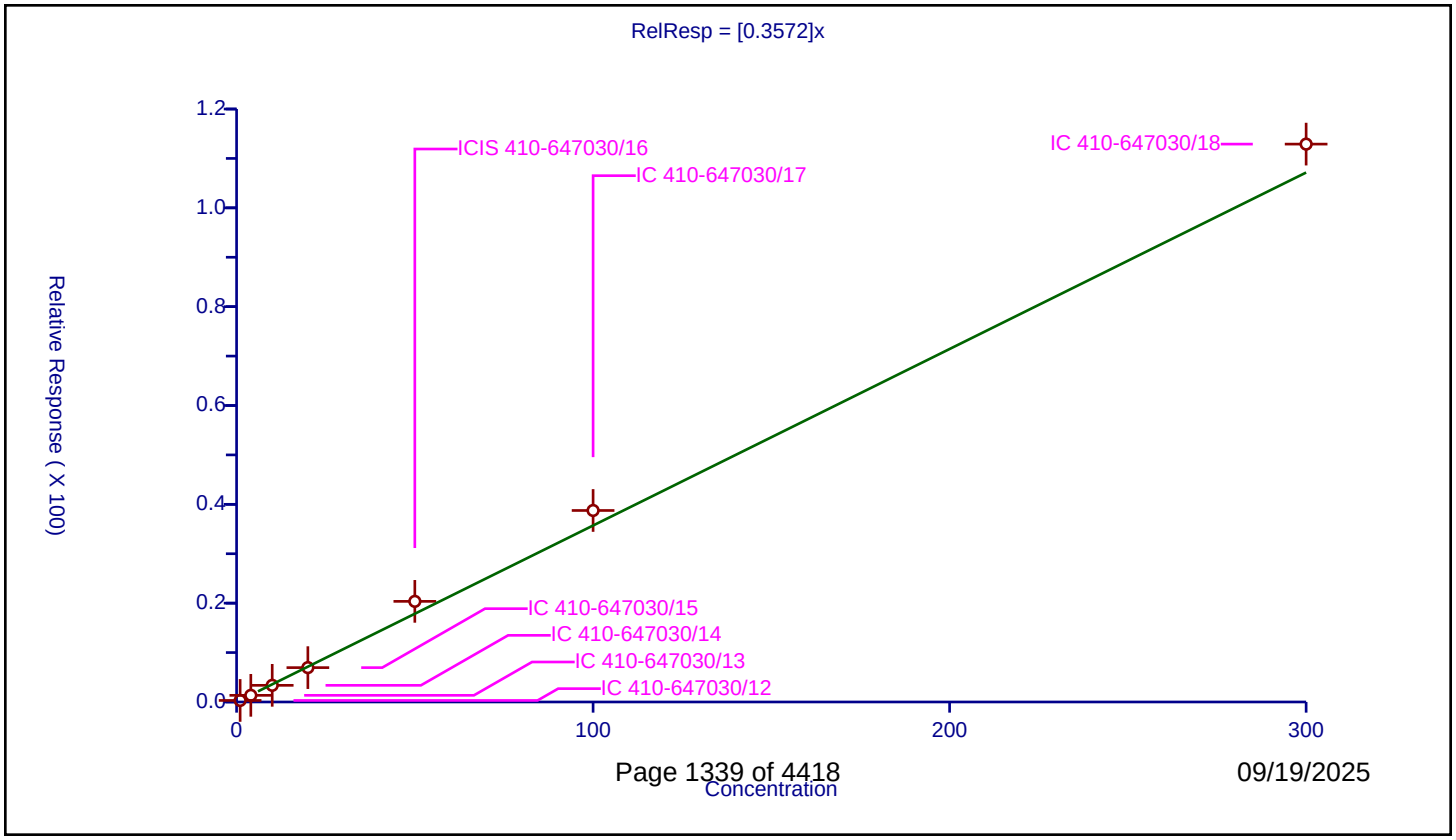
Curve Coefficients

Intercept:	0
Slope:	0.3572

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.308104	50.0	750397.0	0.308104	Y
2	IC 410-647030/13	4.0	1.345368	50.0	753177.0	0.336342	Y
3	IC 410-647030/14	10.0	3.368306	50.0	791184.0	0.336831	Y
4	IC 410-647030/15	20.0	6.954218	50.0	818115.0	0.347711	Y
5	ICIS 410-647030/16	50.0	20.363246	50.0	861702.0	0.407265	Y
6	IC 410-647030/17	100.0	38.752789	50.0	864681.0	0.387528	Y
7	IC 410-647030/18	300.0	112.89671	50.0	946032.0	0.376322	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

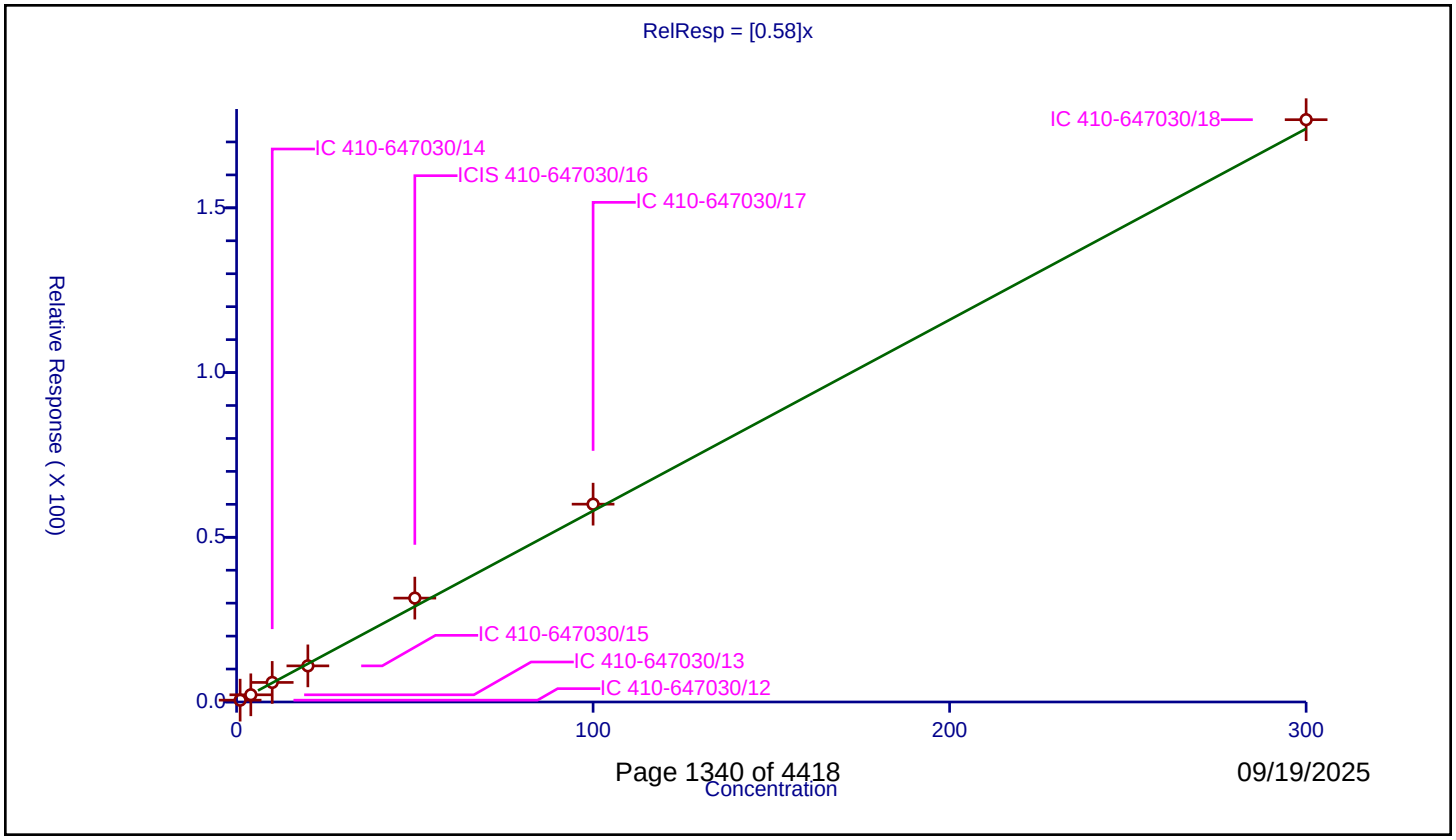
Curve Coefficients

Intercept:	0
Slope:	0.58

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.552441	50.0	750397.0	0.552441	Y
2	IC 410-647030/13	4.0	2.183086	50.0	753177.0	0.545771	Y
3	IC 410-647030/14	10.0	5.934903	50.0	791184.0	0.59349	Y
4	IC 410-647030/15	20.0	10.961356	50.0	818115.0	0.548068	Y
5	ICIS 410-647030/16	50.0	31.536947	50.0	861702.0	0.630739	Y
6	IC 410-647030/17	100.0	60.050585	50.0	864681.0	0.600506	Y
7	IC 410-647030/18	300.0	176.764052	50.0	946032.0	0.589214	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

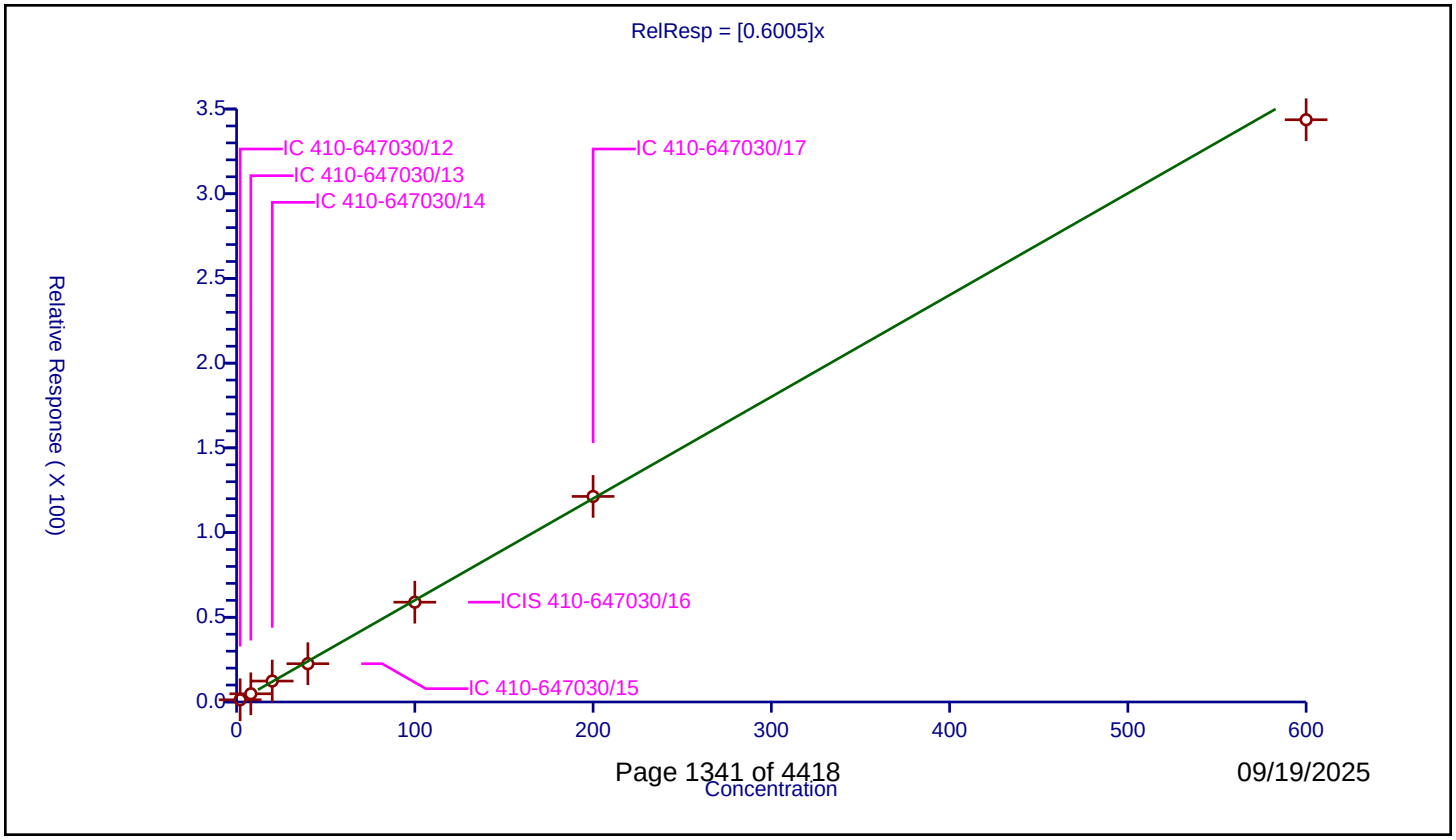
Curve Coefficients

Intercept:	0
Slope:	0.6005

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	2.0	1.293582	50.0	750397.0	0.646791	Y
2	IC 410-647030/13	8.0	4.84096	50.0	753177.0	0.60512	Y
3	IC 410-647030/14	20.0	12.363433	50.0	791184.0	0.618172	Y
4	IC 410-647030/15	40.0	22.589245	50.0	818115.0	0.564731	Y
5	ICIS 410-647030/16	100.0	58.904006	50.0	861702.0	0.58904	Y
6	IC 410-647030/17	200.0	121.331219	50.0	864681.0	0.606656	Y
7	IC 410-647030/18	600.0	343.676112	50.0	946032.0	0.572794	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

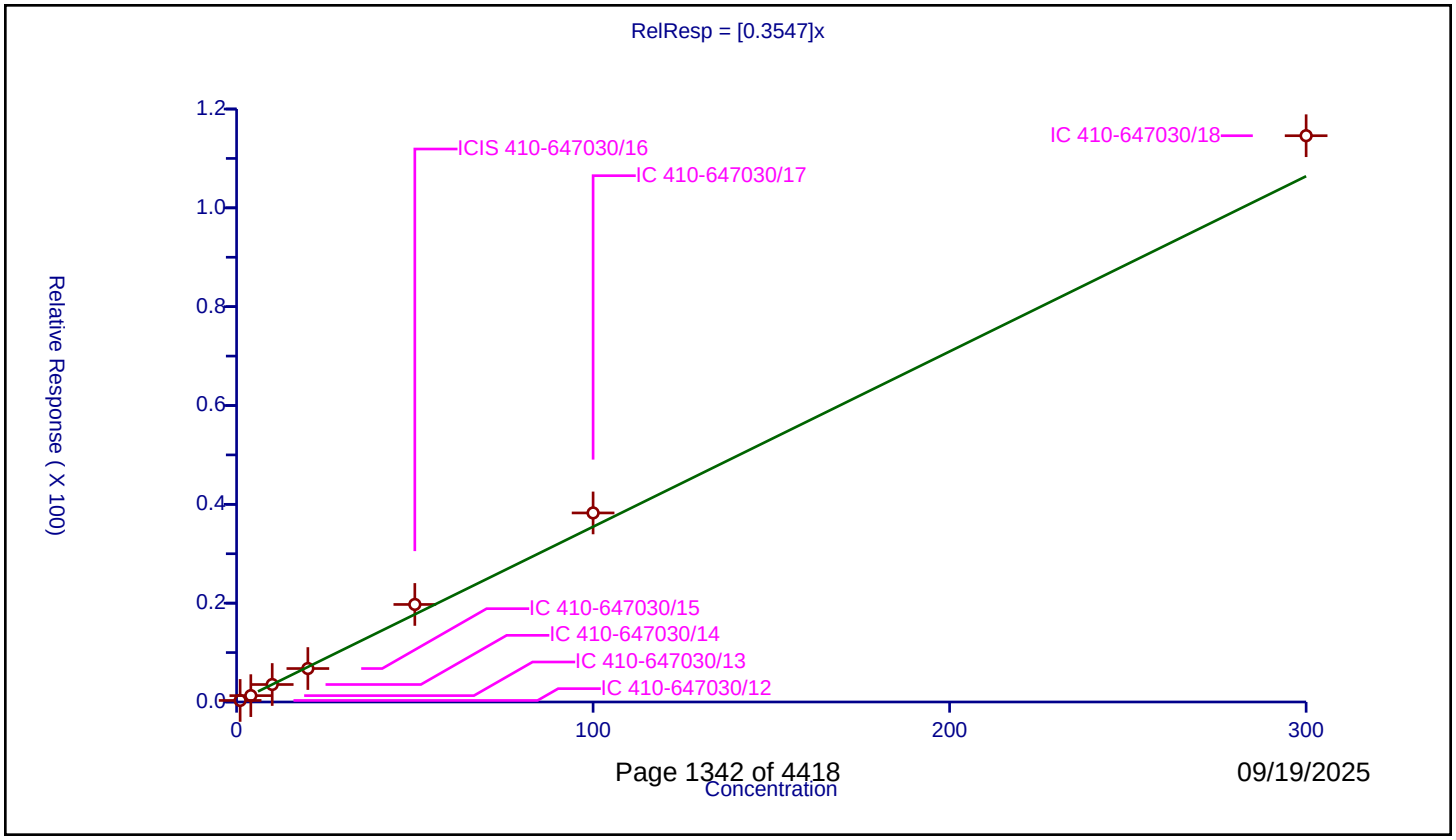
Curve Coefficients

Intercept:	0
Slope:	0.3547

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.308903	50.0	750397.0	0.308903	Y
2	IC 410-647030/13	4.0	1.28821	50.0	753177.0	0.322052	Y
3	IC 410-647030/14	10.0	3.538115	50.0	791184.0	0.353812	Y
4	IC 410-647030/15	20.0	6.769647	50.0	818115.0	0.338482	Y
5	ICIS 410-647030/16	50.0	19.739945	50.0	861702.0	0.394799	Y
6	IC 410-647030/17	100.0	38.257693	50.0	864681.0	0.382577	Y
7	IC 410-647030/18	300.0	114.599612	50.0	946032.0	0.381999	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

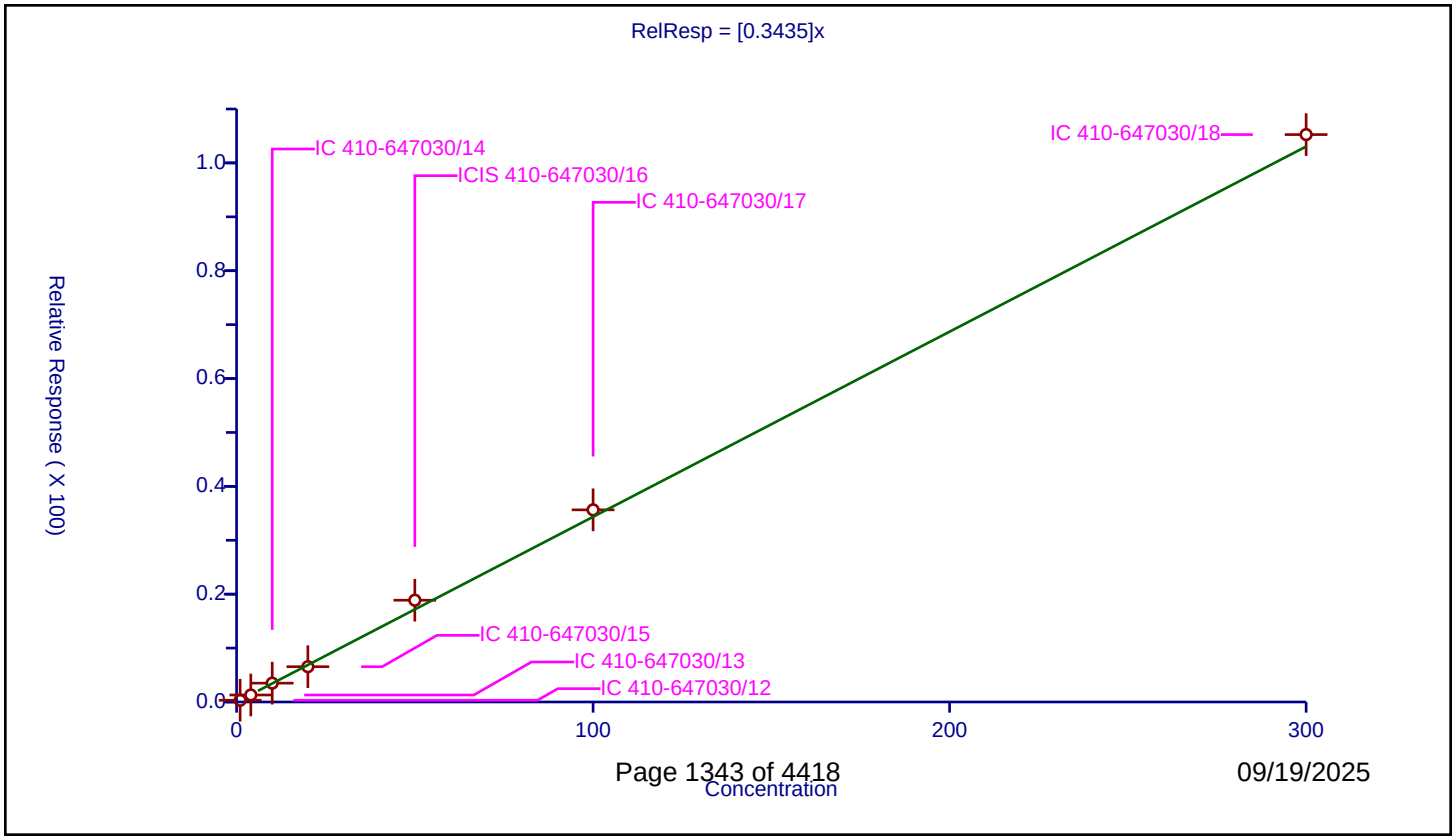
Curve Coefficients

Intercept:	0
Slope:	0.3435

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.318298	50.0	750397.0	0.318298	Y
2	IC 410-647030/13	4.0	1.297504	50.0	753177.0	0.324376	Y
3	IC 410-647030/14	10.0	3.493498	50.0	791184.0	0.34935	Y
4	IC 410-647030/15	20.0	6.547062	50.0	818115.0	0.327353	Y
5	ICIS 410-647030/16	50.0	18.881876	50.0	861702.0	0.377638	Y
6	IC 410-647030/17	100.0	35.644879	50.0	864681.0	0.356449	Y
7	IC 410-647030/18	300.0	105.256006	50.0	946032.0	0.350853	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

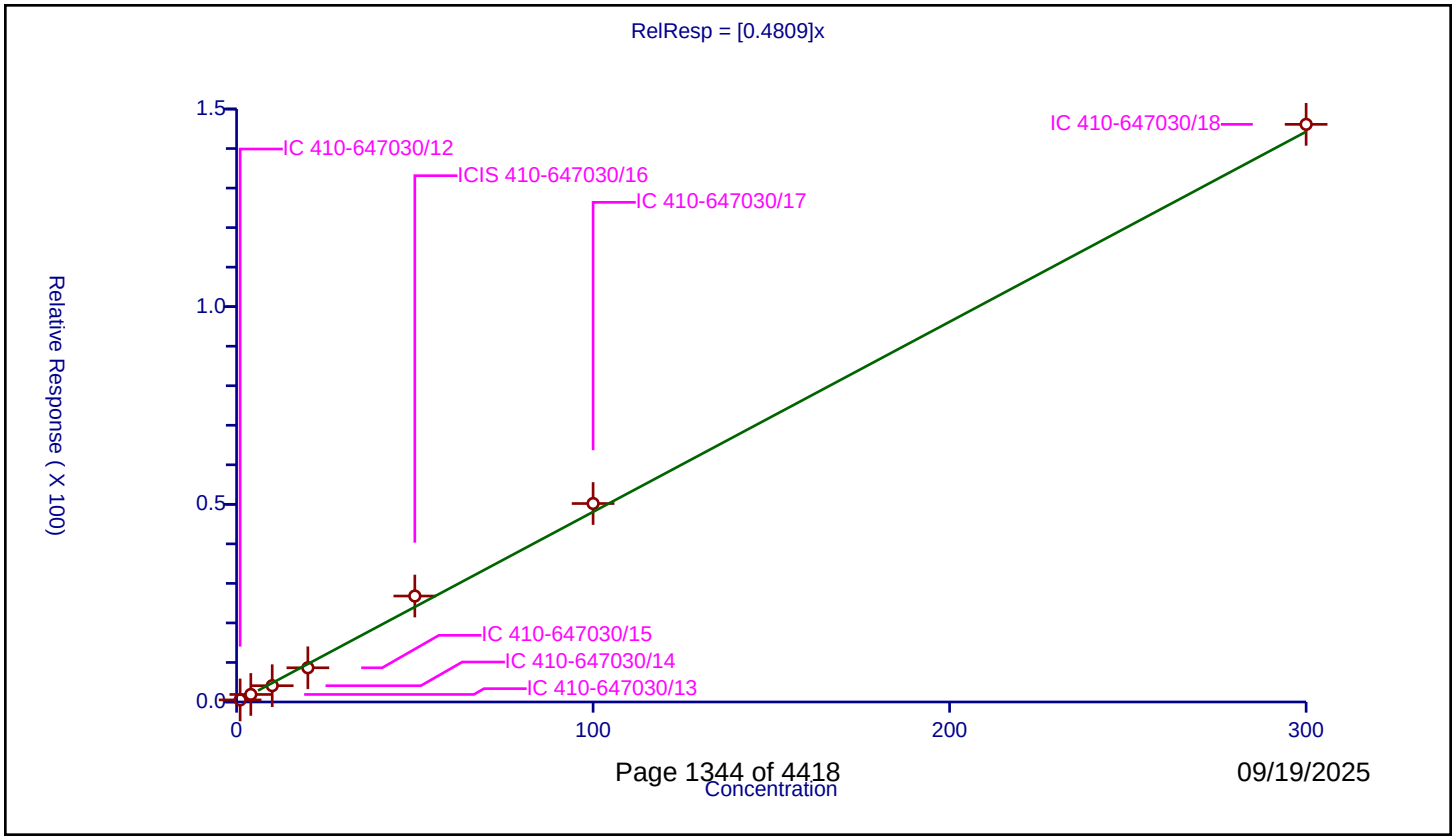
Curve Coefficients

Intercept:	0
Slope:	0.4809

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.520591	50.0	750397.0	0.520591	Y
2	IC 410-647030/13	4.0	1.90347	50.0	753177.0	0.475868	Y
3	IC 410-647030/14	10.0	4.119143	50.0	791184.0	0.411914	Y
4	IC 410-647030/15	20.0	8.651045	50.0	818115.0	0.432552	Y
5	ICIS 410-647030/16	50.0	26.804858	50.0	861702.0	0.536097	Y
6	IC 410-647030/17	100.0	50.206897	50.0	864681.0	0.502069	Y
7	IC 410-647030/18	300.0	146.118366	50.0	946032.0	0.487061	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

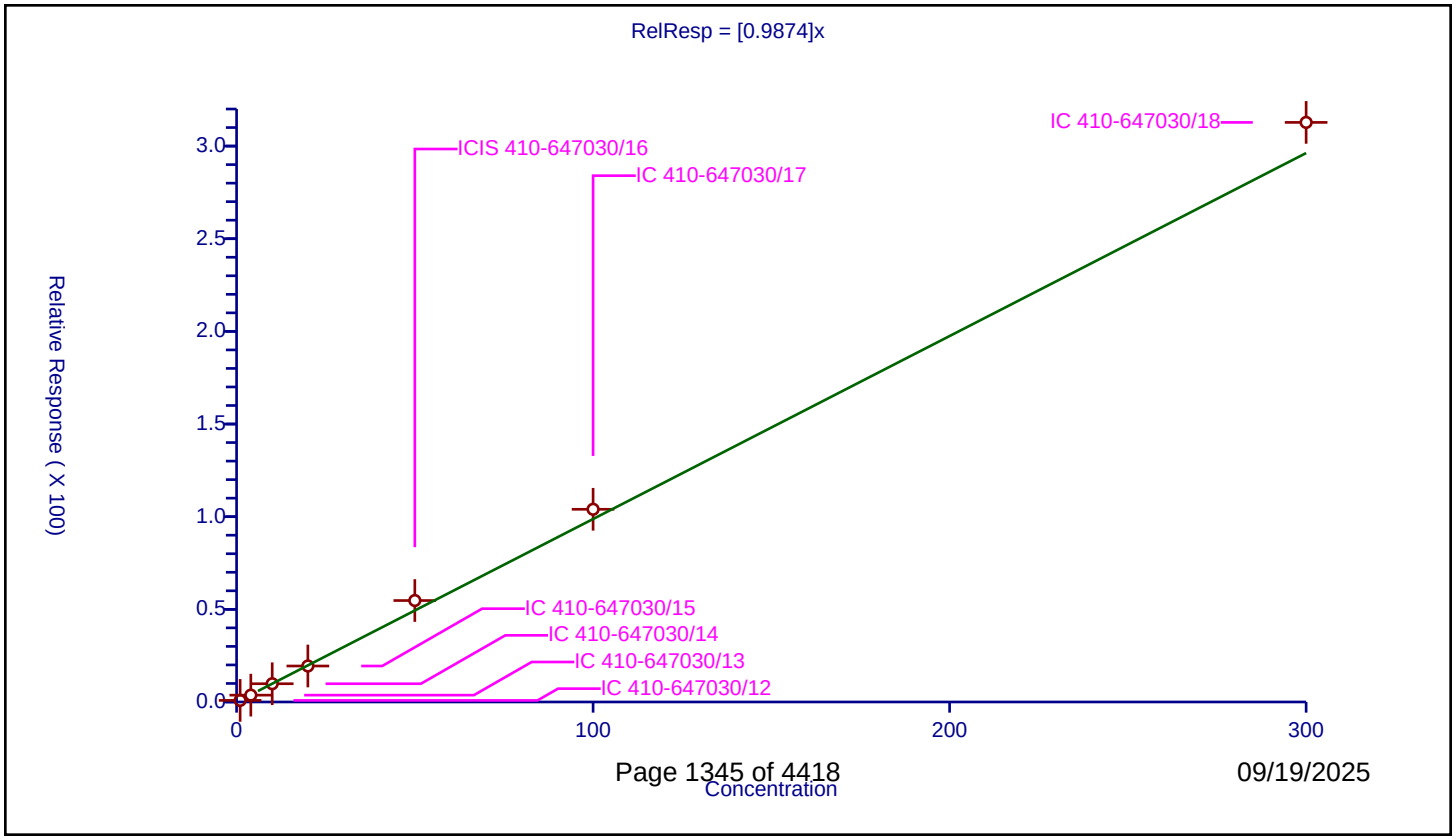
Curve Coefficients

Intercept:	0
Slope:	0.9874

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.855147	50.0	750397.0	0.855147	Y
2	IC 410-647030/13	4.0	3.694882	50.0	753177.0	0.92372	Y
3	IC 410-647030/14	10.0	9.843665	50.0	791184.0	0.984366	Y
4	IC 410-647030/15	20.0	19.424042	50.0	818115.0	0.971202	Y
5	ICIS 410-647030/16	50.0	54.752339	50.0	861702.0	1.095047	Y
6	IC 410-647030/17	100.0	103.992686	50.0	864681.0	1.039927	Y
7	IC 410-647030/18	300.0	312.768913	50.0	946032.0	1.042563	Y



09/19/2025

Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

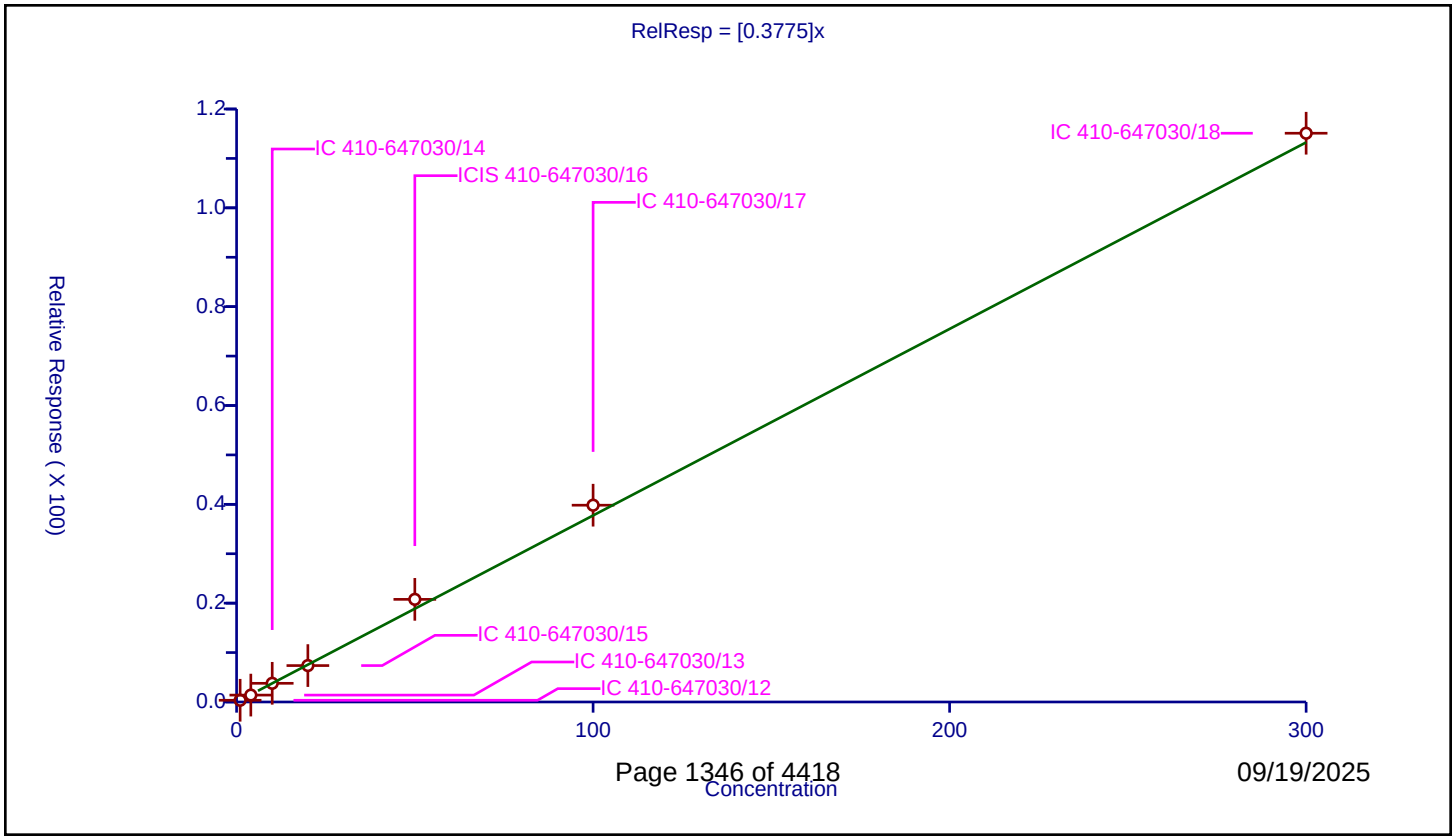
Curve Coefficients

Intercept:	0
Slope:	0.3775

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.349881	50.0	750397.0	0.349881	Y
2	IC 410-647030/13	4.0	1.394493	50.0	753177.0	0.348623	Y
3	IC 410-647030/14	10.0	3.780852	50.0	791184.0	0.378085	Y
4	IC 410-647030/15	20.0	7.369196	50.0	818115.0	0.36846	Y
5	ICIS 410-647030/16	50.0	20.769303	50.0	861702.0	0.415386	Y
6	IC 410-647030/17	100.0	39.82168	50.0	864681.0	0.398217	Y
7	IC 410-647030/18	300.0	115.101445	50.0	946032.0	0.383671	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

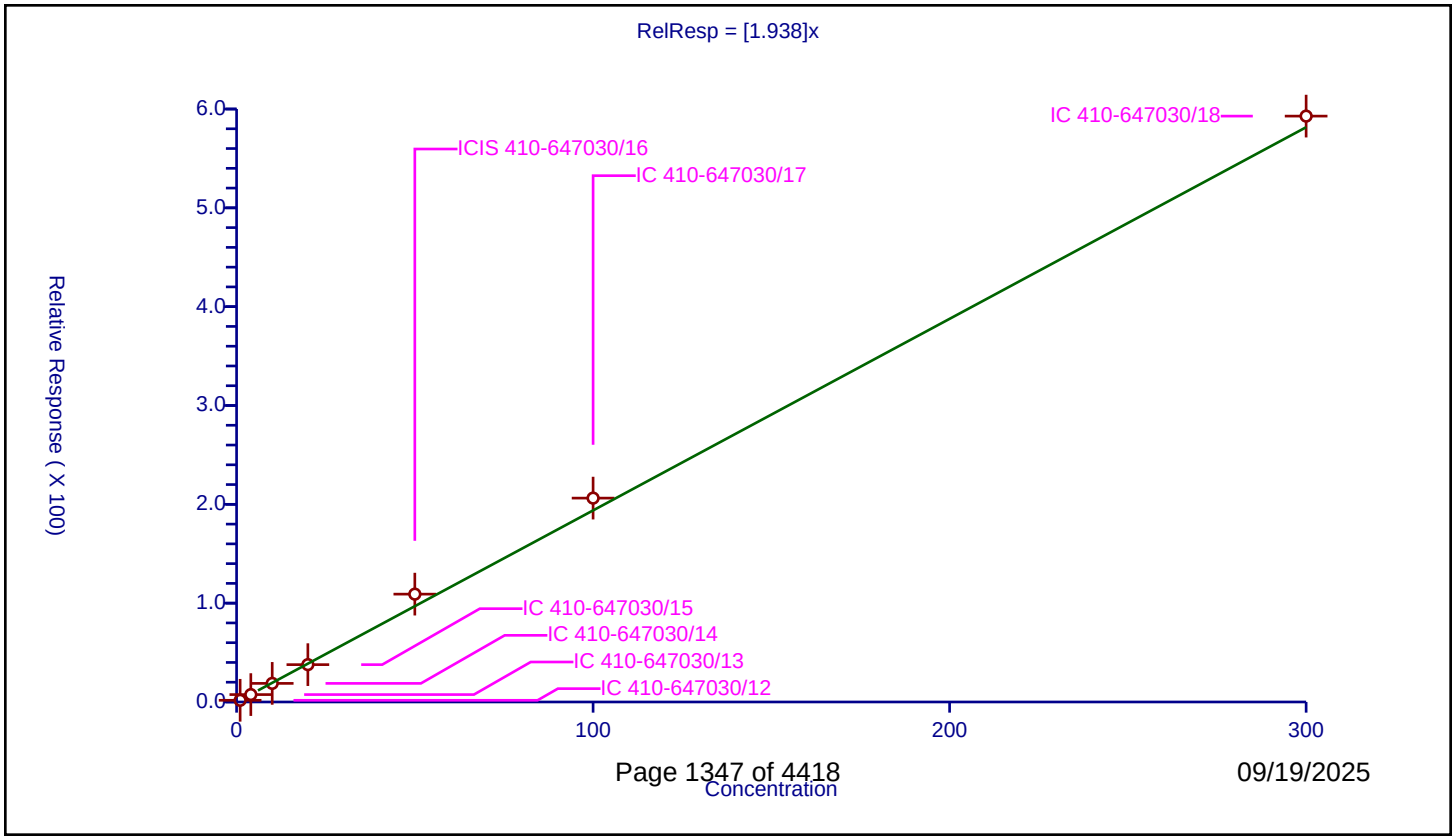
Curve Coefficients

Intercept:	0
Slope:	1.938

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	1.706363	50.0	750397.0	1.706363	Y
2	IC 410-647030/13	4.0	7.475135	50.0	753177.0	1.868784	Y
3	IC 410-647030/14	10.0	18.831334	50.0	791184.0	1.883133	Y
4	IC 410-647030/15	20.0	37.786986	50.0	818115.0	1.889349	Y
5	ICIS 410-647030/16	50.0	109.13889	50.0	861702.0	2.182778	Y
6	IC 410-647030/17	100.0	206.304579	50.0	864681.0	2.063046	Y
7	IC 410-647030/18	300.0	592.812135	50.0	946032.0	1.97604	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

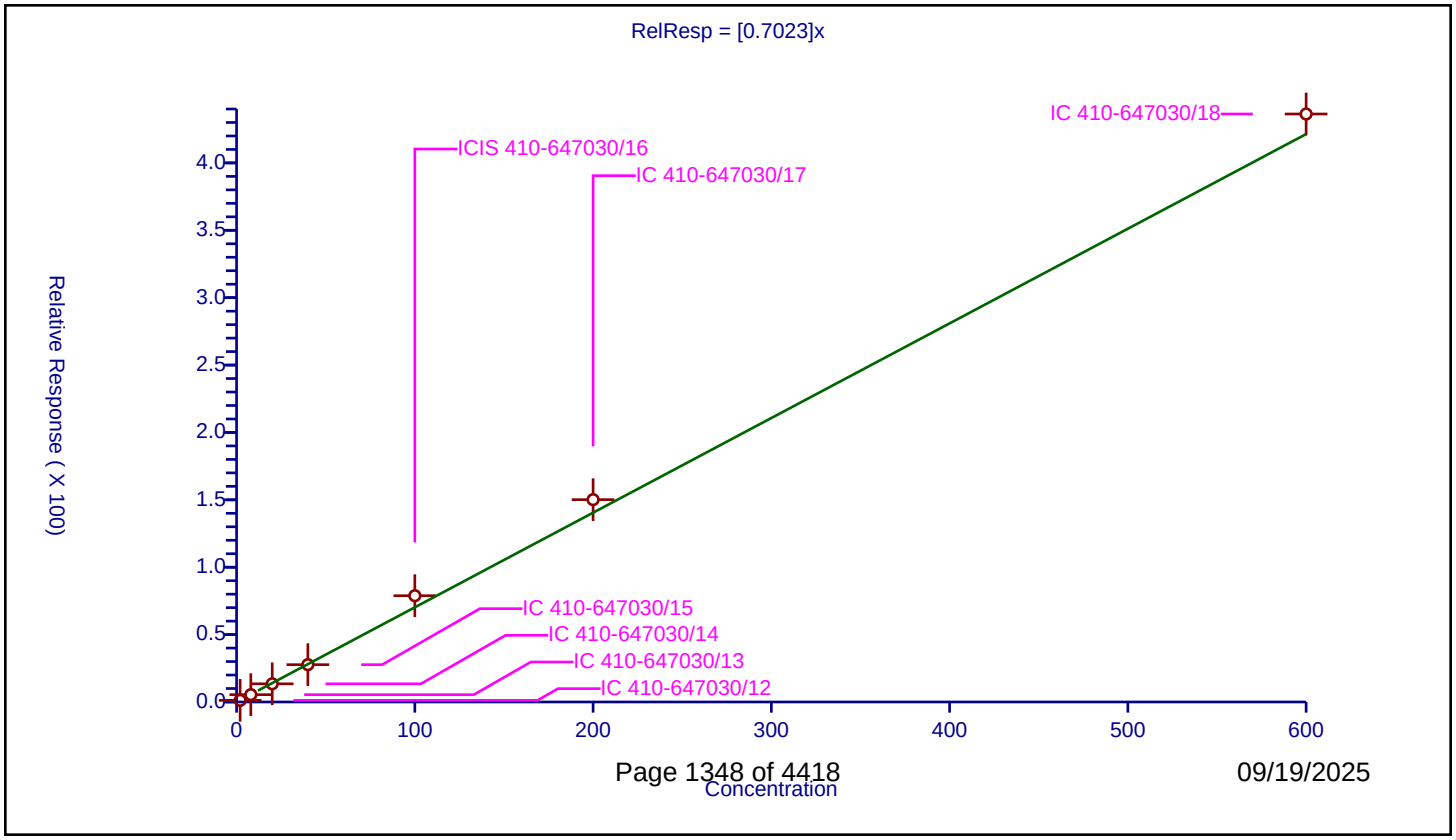
Curve Coefficients

Intercept:	0
Slope:	0.7023

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	2.0	1.208294	50.0	750397.0	0.604147	Y
2	IC 410-647030/13	8.0	5.434314	50.0	753177.0	0.679289	Y
3	IC 410-647030/14	20.0	13.482515	50.0	791184.0	0.674126	Y
4	IC 410-647030/15	40.0	27.696656	50.0	818115.0	0.692416	Y
5	ICIS 410-647030/16	100.0	78.852492	50.0	861702.0	0.788525	Y
6	IC 410-647030/17	200.0	150.133633	50.0	864681.0	0.750668	Y
7	IC 410-647030/18	600.0	436.306541	50.0	946032.0	0.727178	Y



09/19/2025

Calibration / n-Butyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

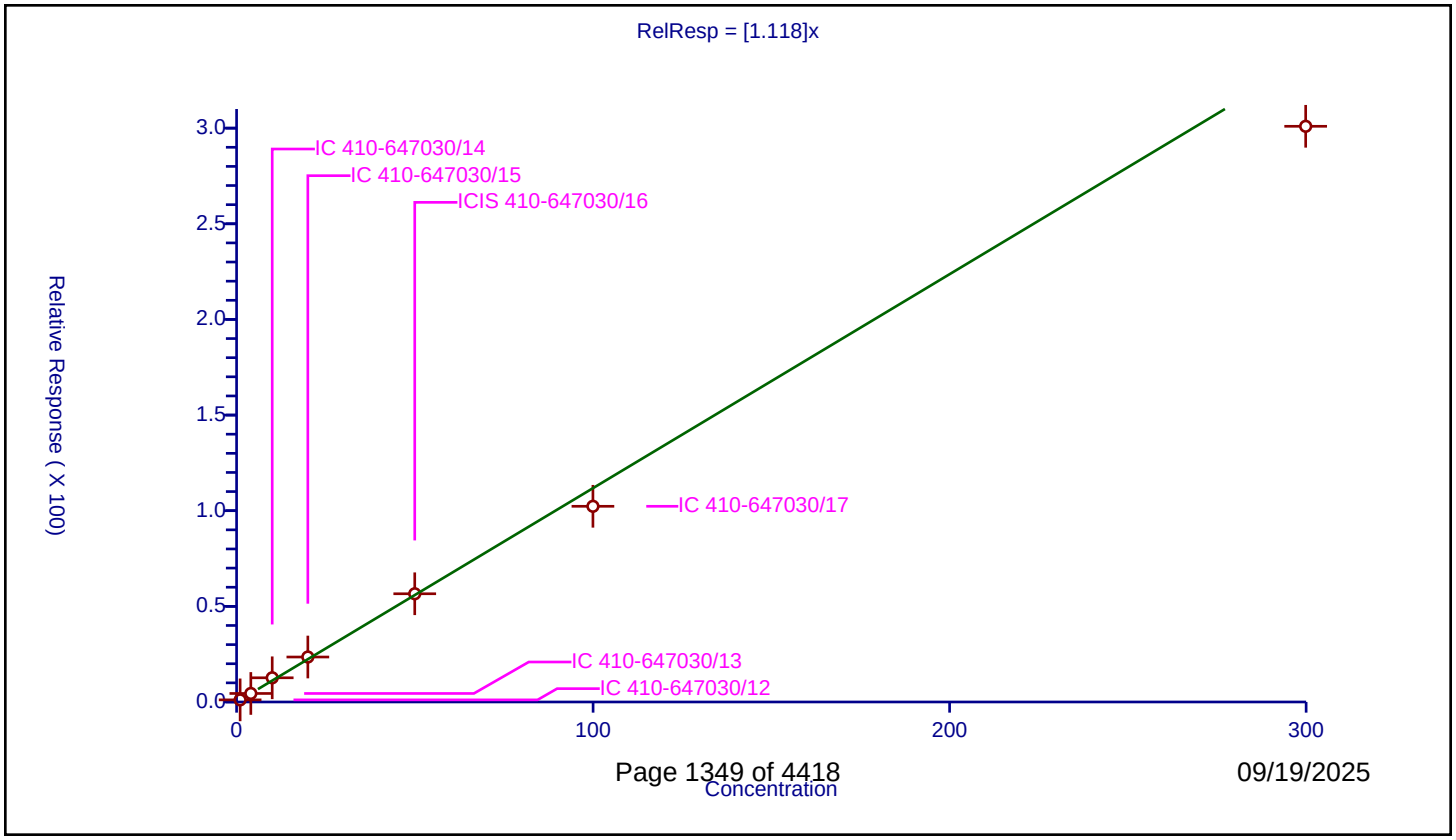
Curve Coefficients

Intercept:	0
Slope:	1.118

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	0.999582	1.110879	50.0	750397.0	1.111343	Y
2	IC 410-647030/13	3.99833	4.457053	50.0	753177.0	1.114729	Y
3	IC 410-647030/14	9.995824	12.6554	50.0	791184.0	1.266069	Y
4	IC 410-647030/15	19.991648	23.515459	50.0	818115.0	1.176264	Y
5	ICIS 410-647030/16	49.97912	56.575243	50.0	861702.0	1.131978	Y
6	IC 410-647030/17	99.95824	102.306689	50.0	864681.0	1.023494	Y
7	IC 410-647030/18	299.87472	300.967938	50.0	946032.0	1.003646	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

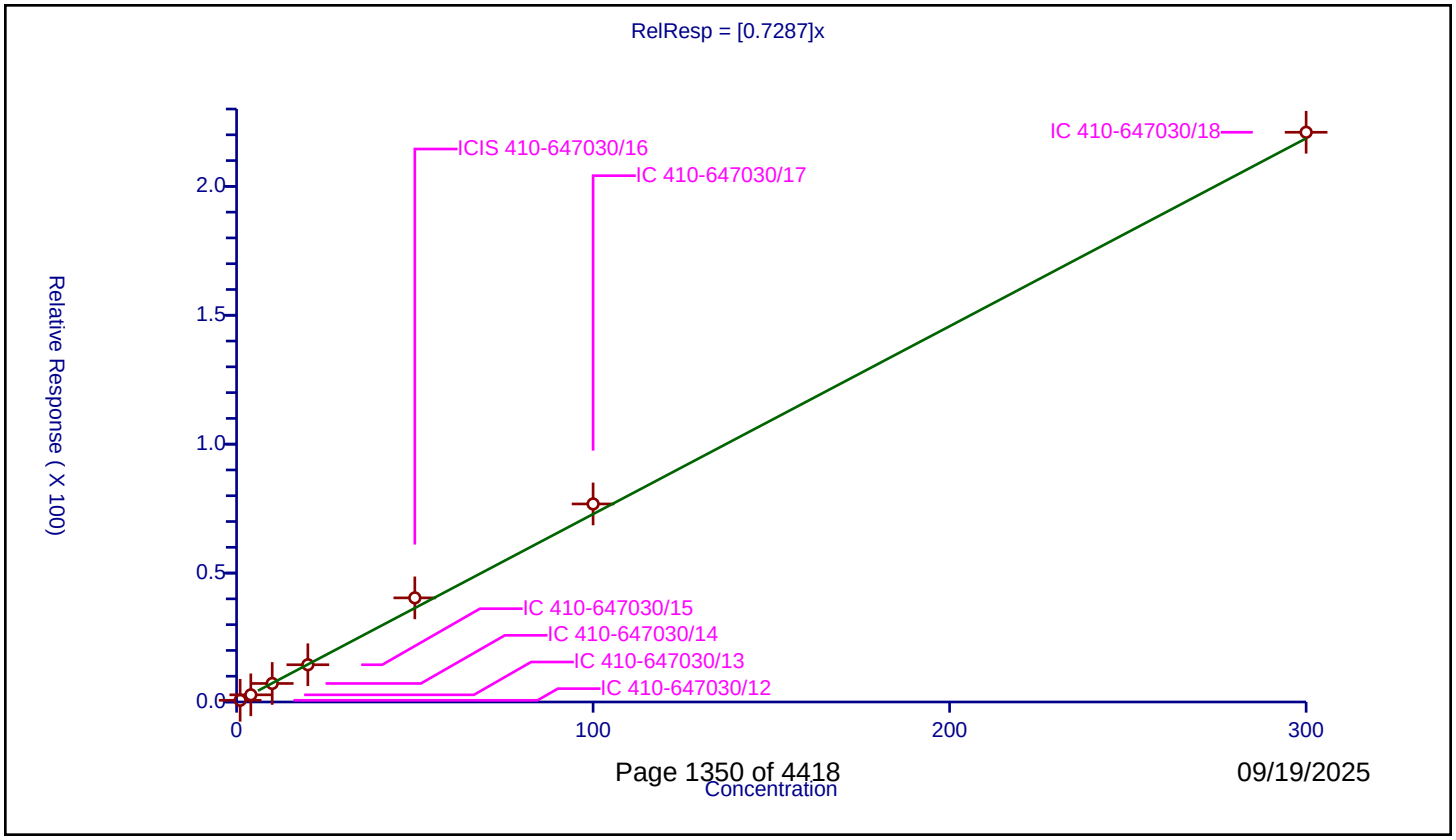
Curve Coefficients

Intercept:	0
Slope:	0.7287

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.652988	50.0	750397.0	0.652988	Y
2	IC 410-647030/13	4.0	2.77936	50.0	753177.0	0.69484	Y
3	IC 410-647030/14	10.0	7.186192	50.0	791184.0	0.718619	Y
4	IC 410-647030/15	20.0	14.441552	50.0	818115.0	0.722078	Y
5	ICIS 410-647030/16	50.0	40.388441	50.0	861702.0	0.807769	Y
6	IC 410-647030/17	100.0	76.816595	50.0	864681.0	0.768166	Y
7	IC 410-647030/18	300.0	220.97688	50.0	946032.0	0.73659	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

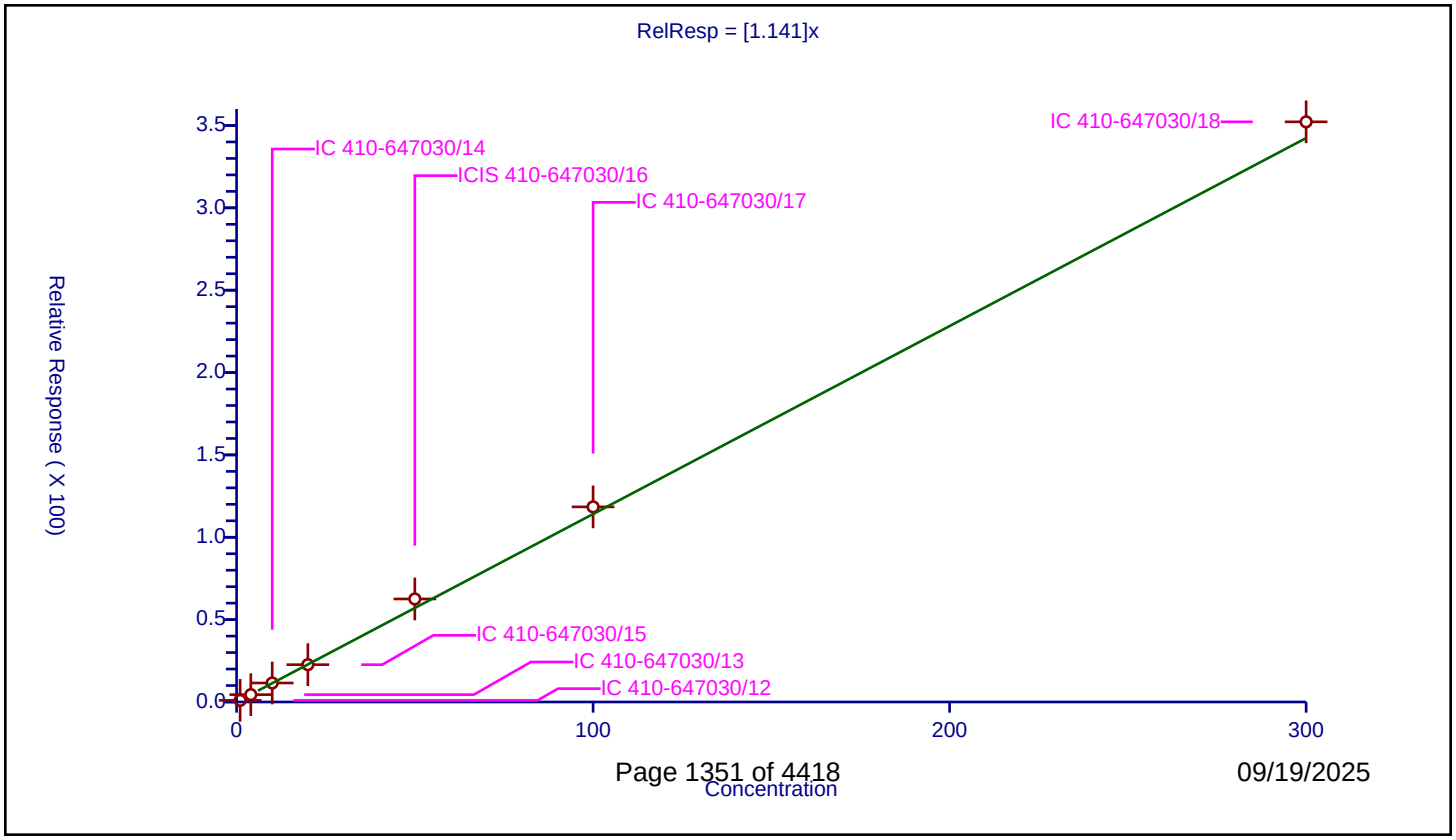
Curve Coefficients

Intercept:	0
Slope:	1.141

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.978415	50.0	750397.0	0.978415	Y
2	IC 410-647030/13	4.0	4.452141	50.0	753177.0	1.113035	Y
3	IC 410-647030/14	10.0	11.540678	50.0	791184.0	1.154068	Y
4	IC 410-647030/15	20.0	22.66399	50.0	818115.0	1.133199	Y
5	ICIS 410-647030/16	50.0	62.541981	50.0	861702.0	1.25084	Y
6	IC 410-647030/17	100.0	118.454609	50.0	864681.0	1.184546	Y
7	IC 410-647030/18	300.0	352.219217	50.0	946032.0	1.174064	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

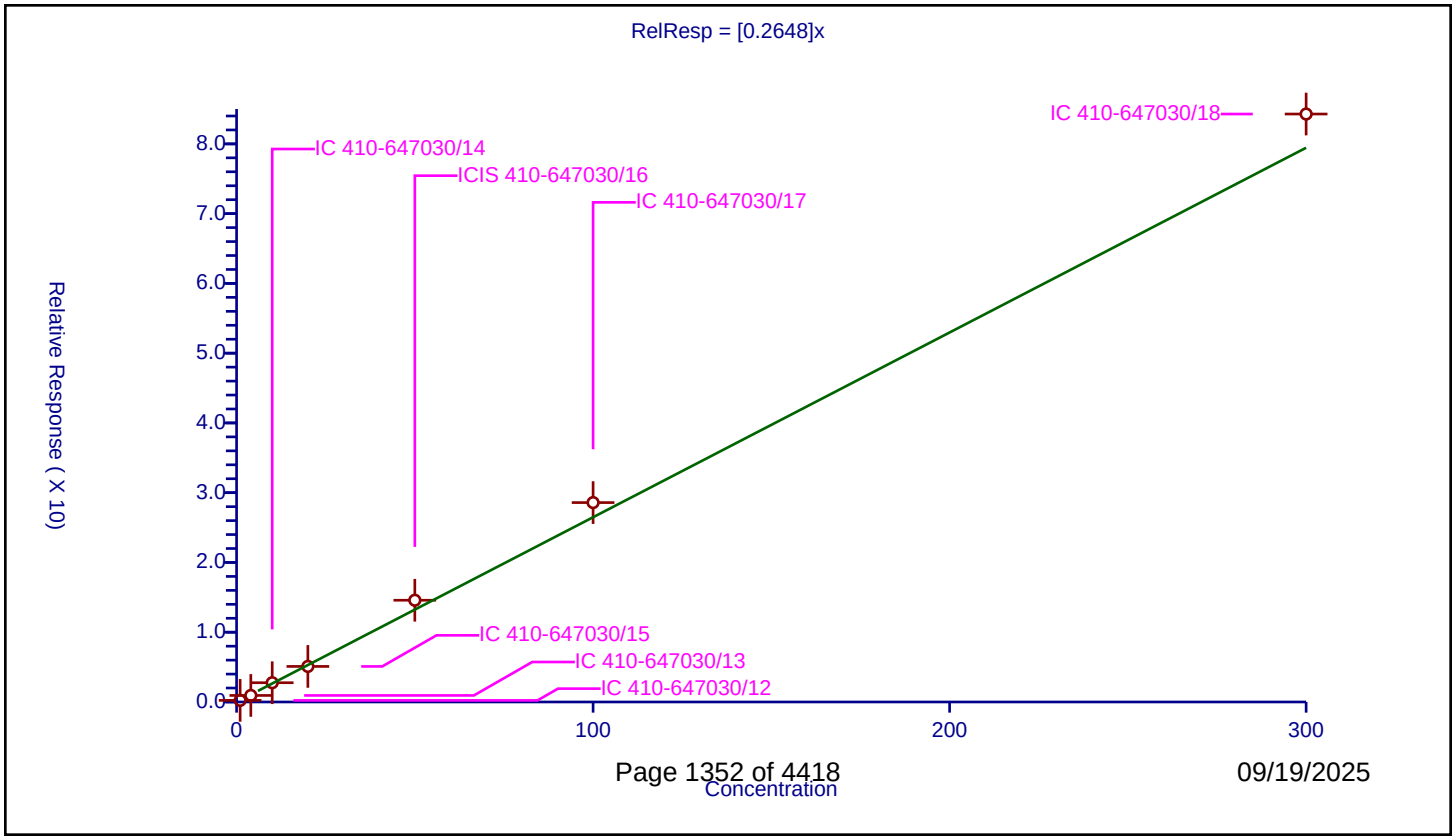
Curve Coefficients

Intercept:	0
Slope:	0.2648

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.230345	50.0	750397.0	0.230345	Y
2	IC 410-647030/13	4.0	0.936699	50.0	753177.0	0.234175	Y
3	IC 410-647030/14	10.0	2.760104	50.0	791184.0	0.27601	Y
4	IC 410-647030/15	20.0	5.095555	50.0	818115.0	0.254778	Y
5	ICIS 410-647030/16	50.0	14.585785	50.0	861702.0	0.291716	Y
6	IC 410-647030/17	100.0	28.581581	50.0	864681.0	0.285816	Y
7	IC 410-647030/18	300.0	84.280183	50.0	946032.0	0.280934	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

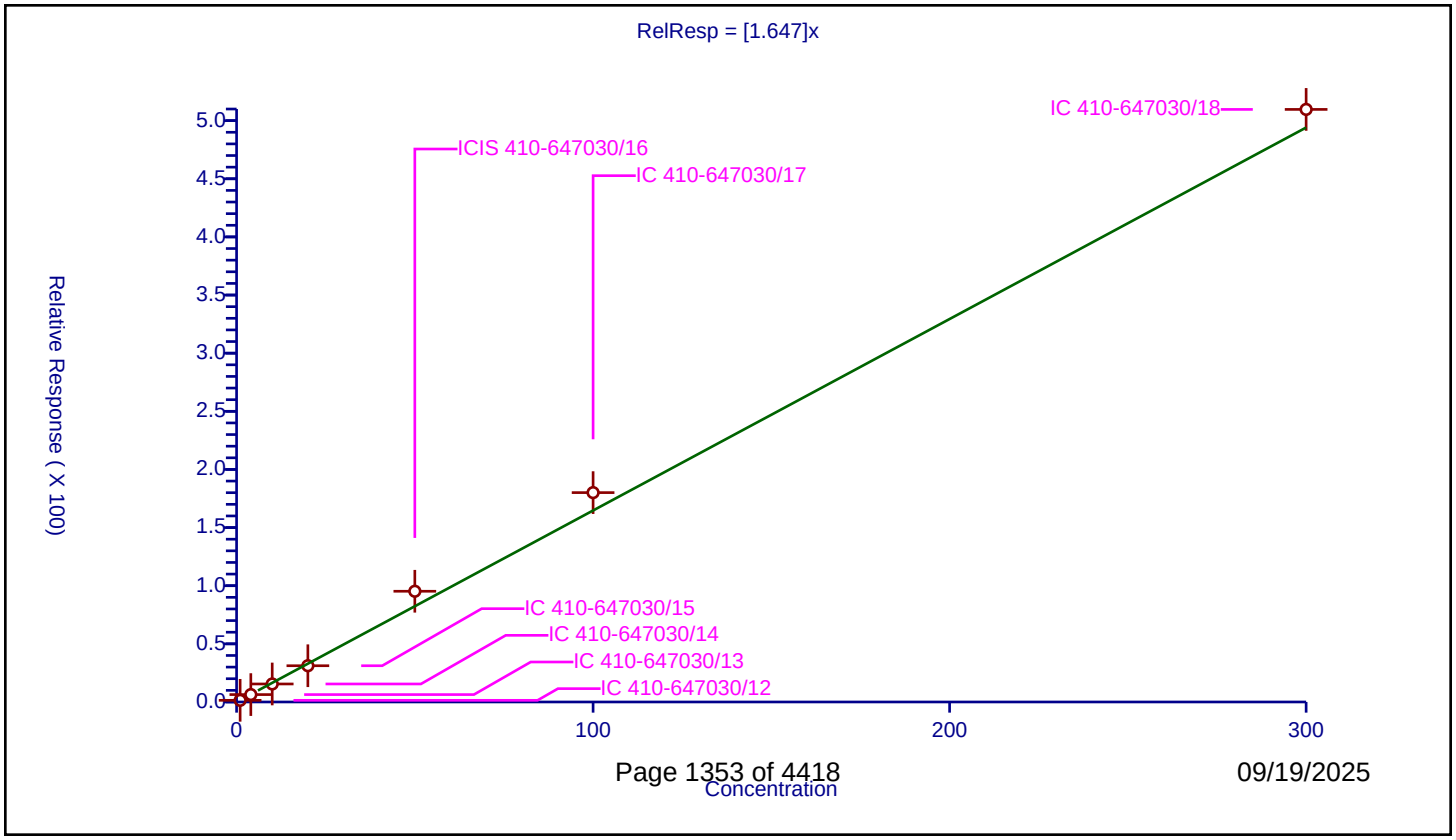
Curve Coefficients

Intercept:	0
Slope:	1.647

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	1.42258	50.0	750397.0	1.42258	Y
2	IC 410-647030/13	4.0	6.368755	50.0	753177.0	1.592189	Y
3	IC 410-647030/14	10.0	15.494879	50.0	791184.0	1.549488	Y
4	IC 410-647030/15	20.0	31.19152	50.0	818115.0	1.559576	Y
5	ICIS 410-647030/16	50.0	95.241452	50.0	861702.0	1.904829	Y
6	IC 410-647030/17	100.0	180.070454	50.0	864681.0	1.800705	Y
7	IC 410-647030/18	300.0	509.647559	50.0	946032.0	1.698825	Y



09/19/2025

Calibration / Cyclohexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

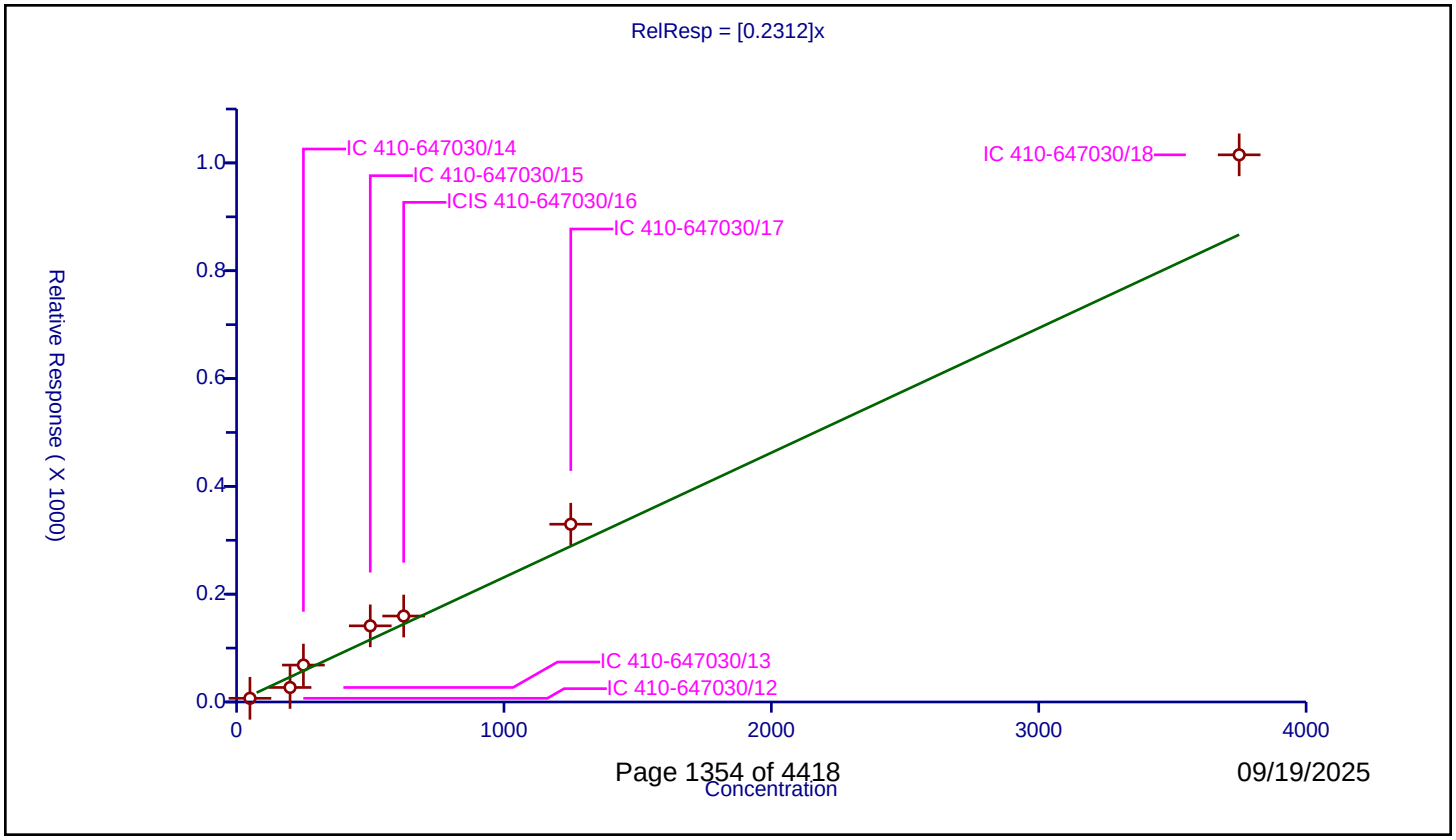
Curve Coefficients

Intercept:	0
Slope:	0.2312

Error Coefficients

Relative Standard Deviation:	28.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	49.995598	6.866781	250.0	558049.0	0.137348	Y
2	IC 410-647030/13	199.982394	26.959311	250.0	535826.0	0.134808	Y
3	IC 410-647030/14	249.977992	68.500441	250.0	553376.0	0.274026	Y
4	IC 410-647030/15	499.955984	141.240957	250.0	538238.0	0.282507	Y
5	ICIS 410-647030/16	624.94498	159.461538	250.0	551887.0	0.255161	Y
6	IC 410-647030/17	1249.88996	329.757442	250.0	553848.0	0.263829	Y
7	IC 410-647030/18	3749.66988	1015.034697	250.0	530024.0	0.2707	Y



09/19/2025

Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

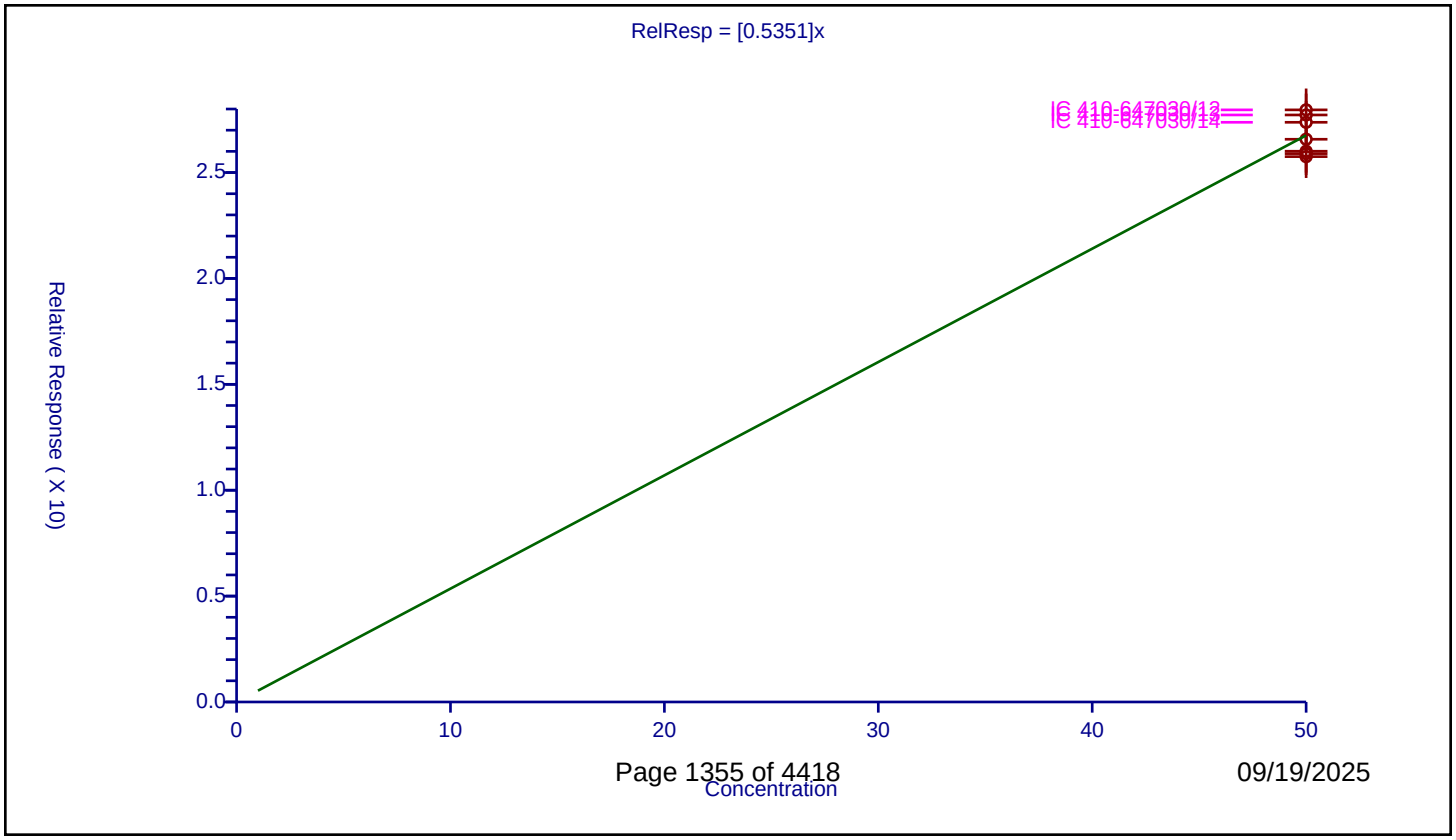
Curve Coefficients

Intercept:	0
Slope:	0.5351

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	50.0	27.959667	50.0	750397.0	0.559193	Y
2	IC 410-647030/13	50.0	27.718982	50.0	753177.0	0.55438	Y
3	IC 410-647030/14	50.0	27.372583	50.0	791184.0	0.547452	Y
4	IC 410-647030/15	50.0	26.572181	50.0	818115.0	0.531444	Y
5	ICIS 410-647030/16	50.0	26.006264	50.0	861702.0	0.520125	Y
6	IC 410-647030/17	50.0	25.893827	50.0	864681.0	0.517877	Y
7	IC 410-647030/18	50.0	25.750979	50.0	946032.0	0.51502	Y



Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

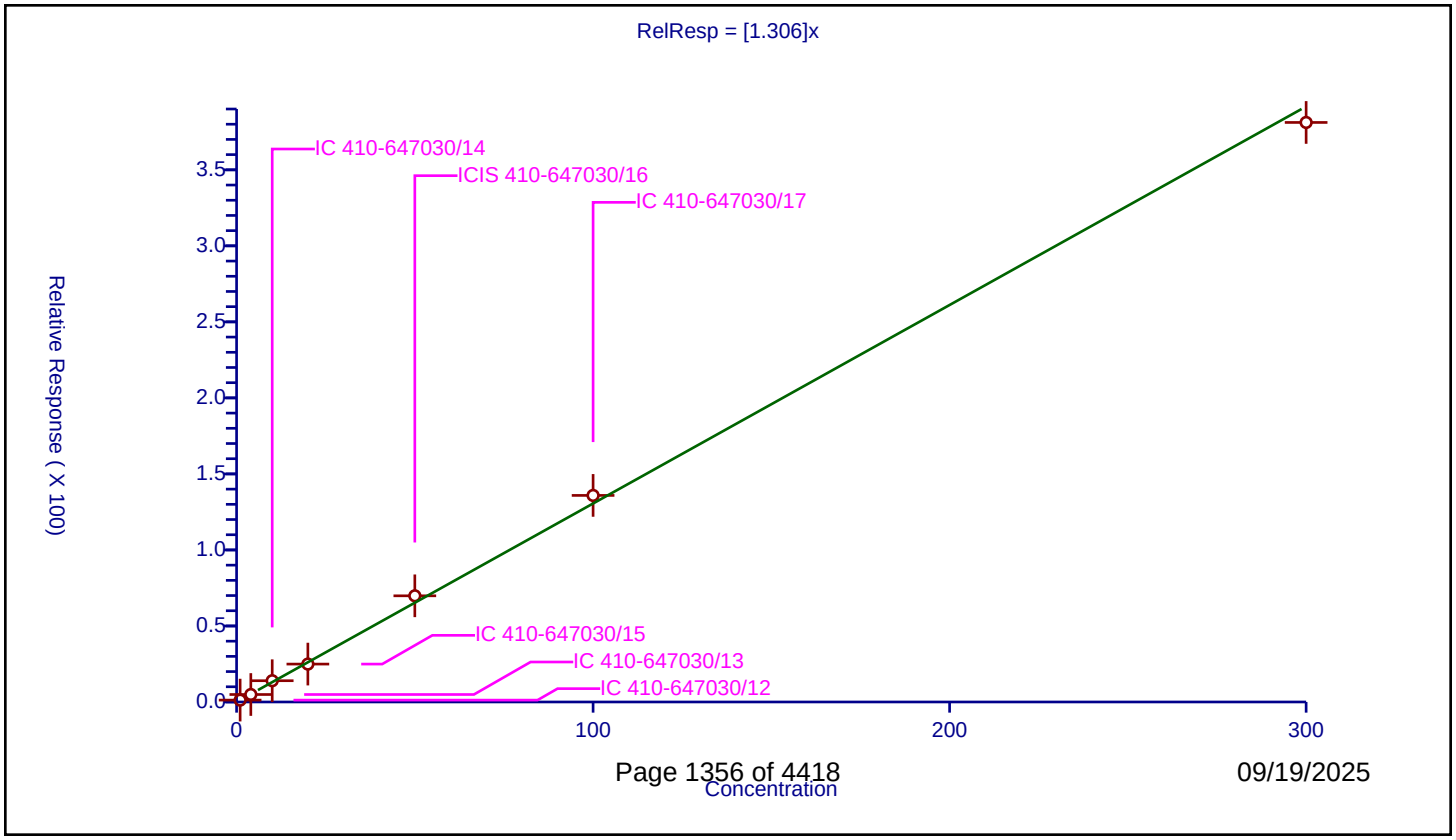
Curve Coefficients

Intercept:	0
Slope:	1.306

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	1.238482	50.0	420313.0	1.238482	Y
2	IC 410-647030/13	4.0	4.914363	50.0	421255.0	1.228591	Y
3	IC 410-647030/14	10.0	13.994769	50.0	430861.0	1.399477	Y
4	IC 410-647030/15	20.0	24.930509	50.0	433148.0	1.246525	Y
5	ICIS 410-647030/16	50.0	69.830444	50.0	443394.0	1.396609	Y
6	IC 410-647030/17	100.0	135.854838	50.0	436644.0	1.358548	Y
7	IC 410-647030/18	300.0	381.157755	50.0	472250.0	1.270526	Y



09/19/2025

Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

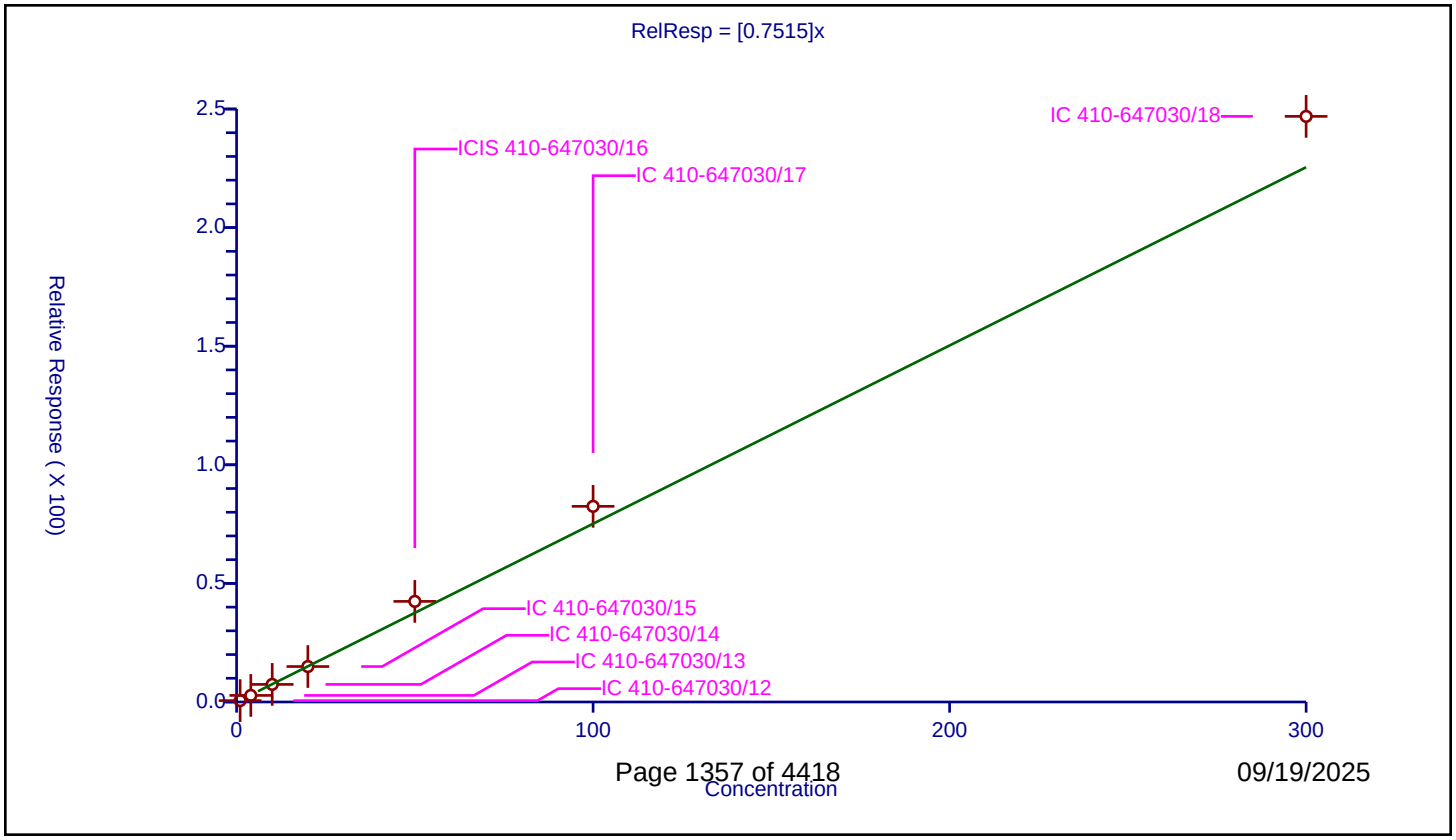
Curve Coefficients

Intercept:	0
Slope:	0.7515

Error Coefficients

Relative Standard Deviation:	12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.583137	50.0	420313.0	0.583137	Y
2	IC 410-647030/13	4.0	2.768988	50.0	421255.0	0.692247	Y
3	IC 410-647030/14	10.0	7.418866	50.0	430861.0	0.741887	Y
4	IC 410-647030/15	20.0	14.949971	50.0	433148.0	0.747499	Y
5	ICIS 410-647030/16	50.0	42.408558	50.0	443394.0	0.848171	Y
6	IC 410-647030/17	100.0	82.479549	50.0	436644.0	0.824795	Y
7	IC 410-647030/18	300.0	246.899312	50.0	472250.0	0.822998	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

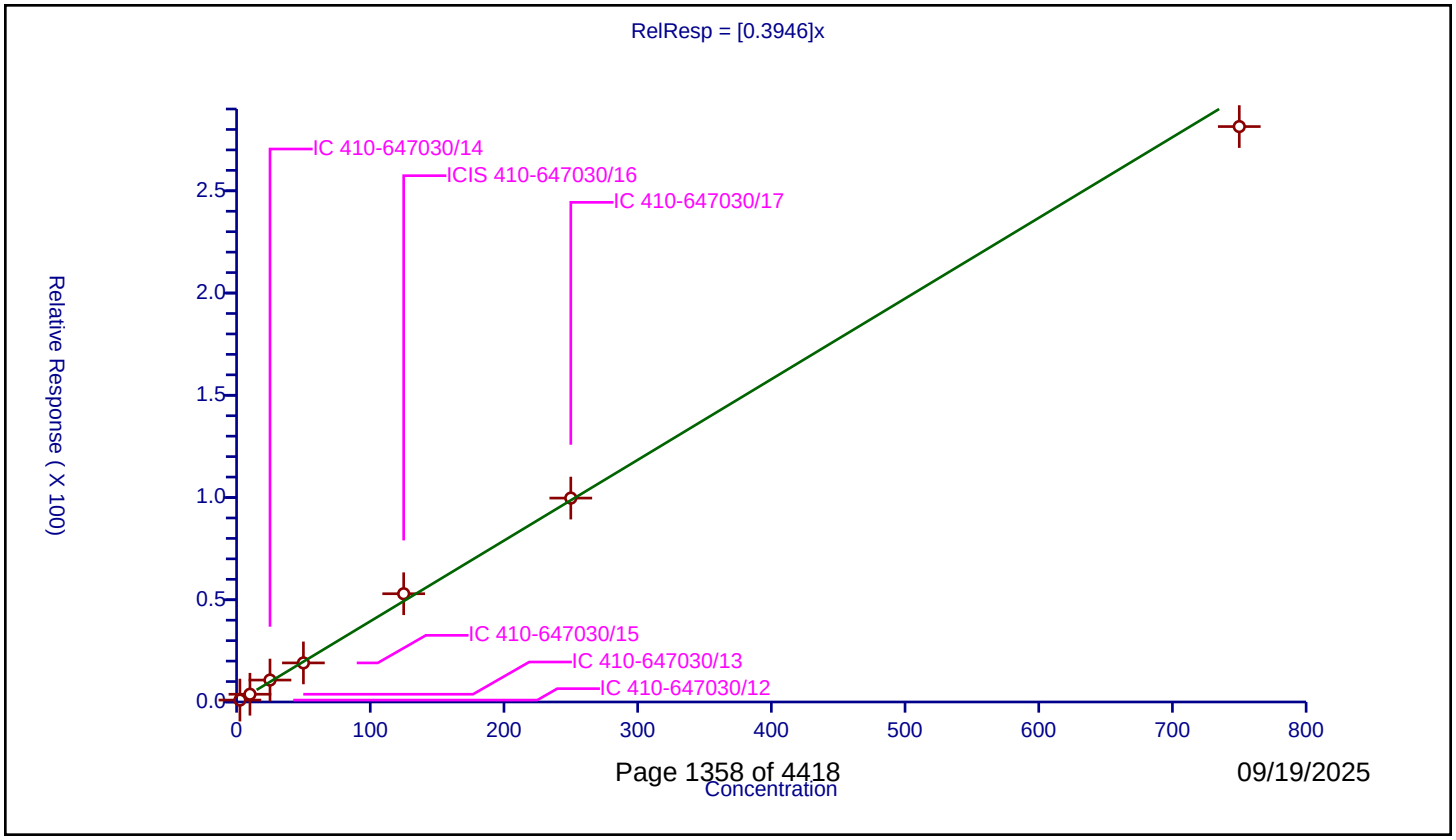
Curve Coefficients

Intercept:	0
Slope:	0.3946

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	2.5	0.935612	50.0	420313.0	0.374245	Y
2	IC 410-647030/13	10.0	3.792596	50.0	421255.0	0.37926	Y
3	IC 410-647030/14	25.0	10.720395	50.0	430861.0	0.428816	Y
4	IC 410-647030/15	50.0	19.107672	50.0	433148.0	0.382153	Y
5	ICIS 410-647030/16	125.0	52.941402	50.0	443394.0	0.423531	Y
6	IC 410-647030/17	250.0	99.71739	50.0	436644.0	0.39887	Y
7	IC 410-647030/18	750.0	281.412282	50.0	472250.0	0.375216	Y



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

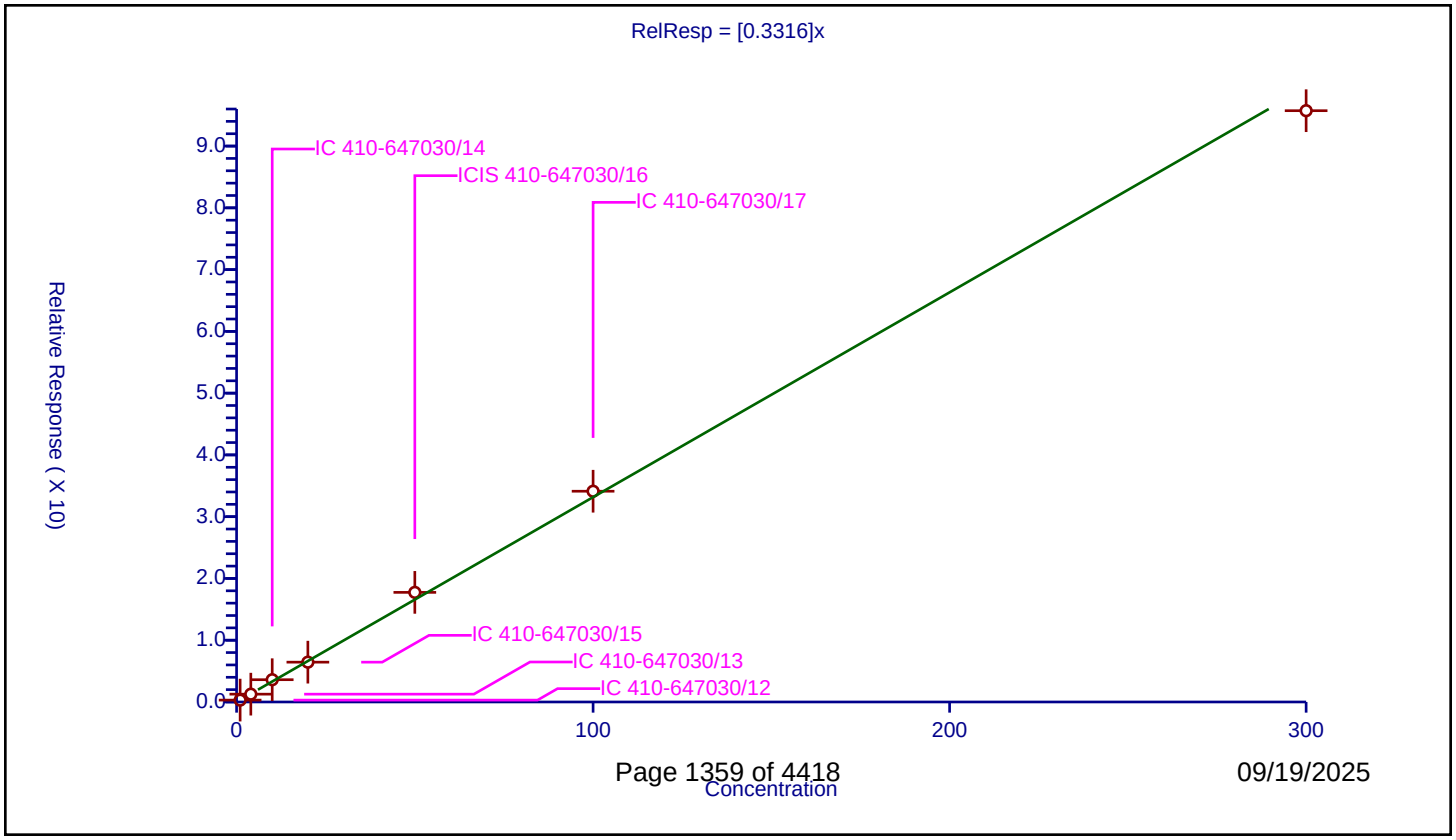
Curve Coefficients

Intercept:	0
Slope:	0.3316

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.306319	50.0	420313.0	0.306319	Y
2	IC 410-647030/13	4.0	1.266691	50.0	421255.0	0.316673	Y
3	IC 410-647030/14	10.0	3.605687	50.0	430861.0	0.360569	Y
4	IC 410-647030/15	20.0	6.446642	50.0	433148.0	0.322332	Y
5	ICIS 410-647030/16	50.0	17.746744	50.0	443394.0	0.354935	Y
6	IC 410-647030/17	100.0	34.119328	50.0	436644.0	0.341193	Y
7	IC 410-647030/18	300.0	95.729698	50.0	472250.0	0.319099	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

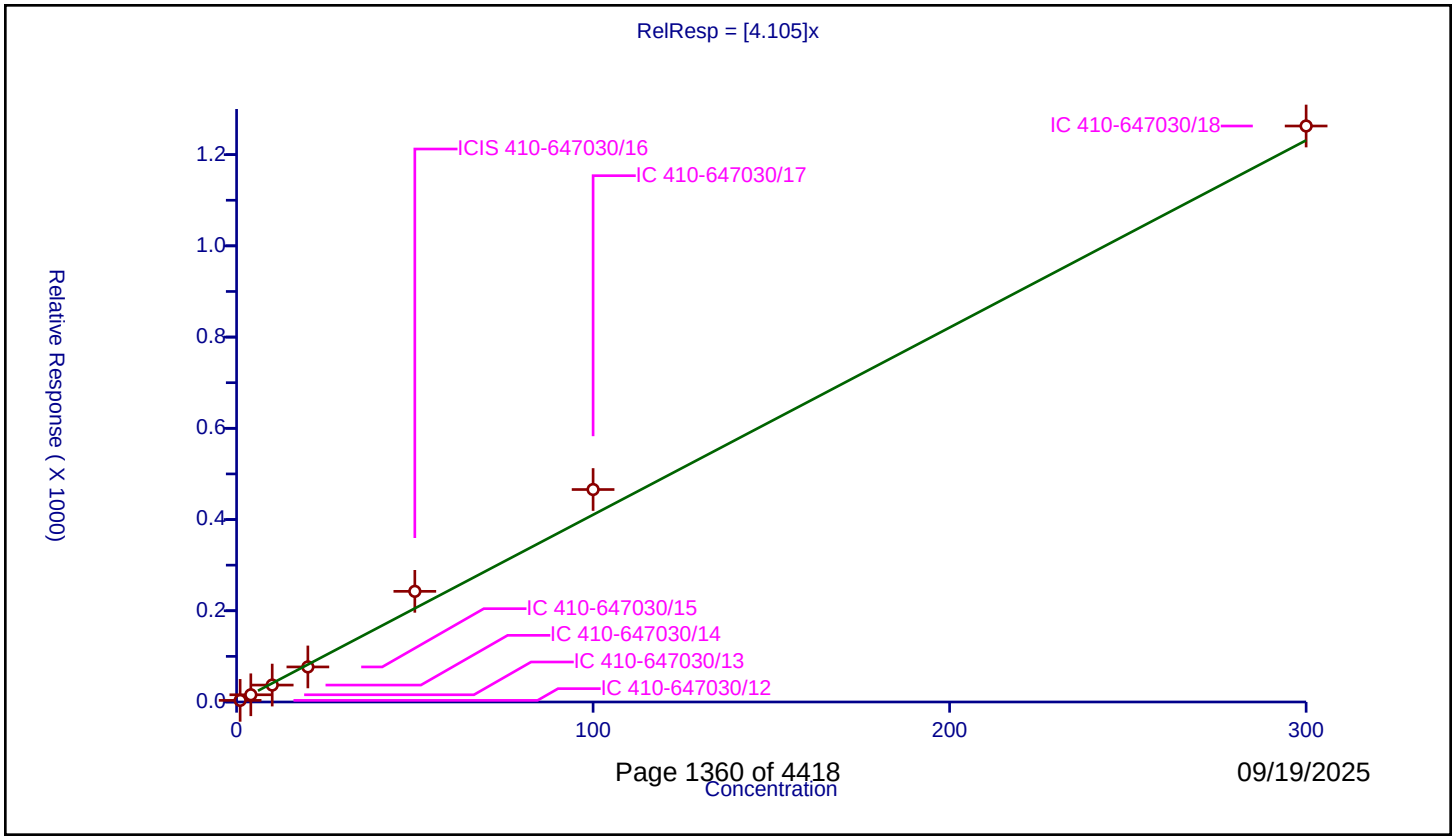
Curve Coefficients

Intercept:	0
Slope:	4.105

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	3.512739	50.0	420313.0	3.512739	Y
2	IC 410-647030/13	4.0	15.790792	50.0	421255.0	3.947698	Y
3	IC 410-647030/14	10.0	37.104542	50.0	430861.0	3.710454	Y
4	IC 410-647030/15	20.0	76.838517	50.0	433148.0	3.841926	Y
5	ICIS 410-647030/16	50.0	242.604771	50.0	443394.0	4.852095	Y
6	IC 410-647030/17	100.0	465.81334	50.0	436644.0	4.658133	Y
7	IC 410-647030/18	300.0	1262.764426	50.0	472250.0	4.209215	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

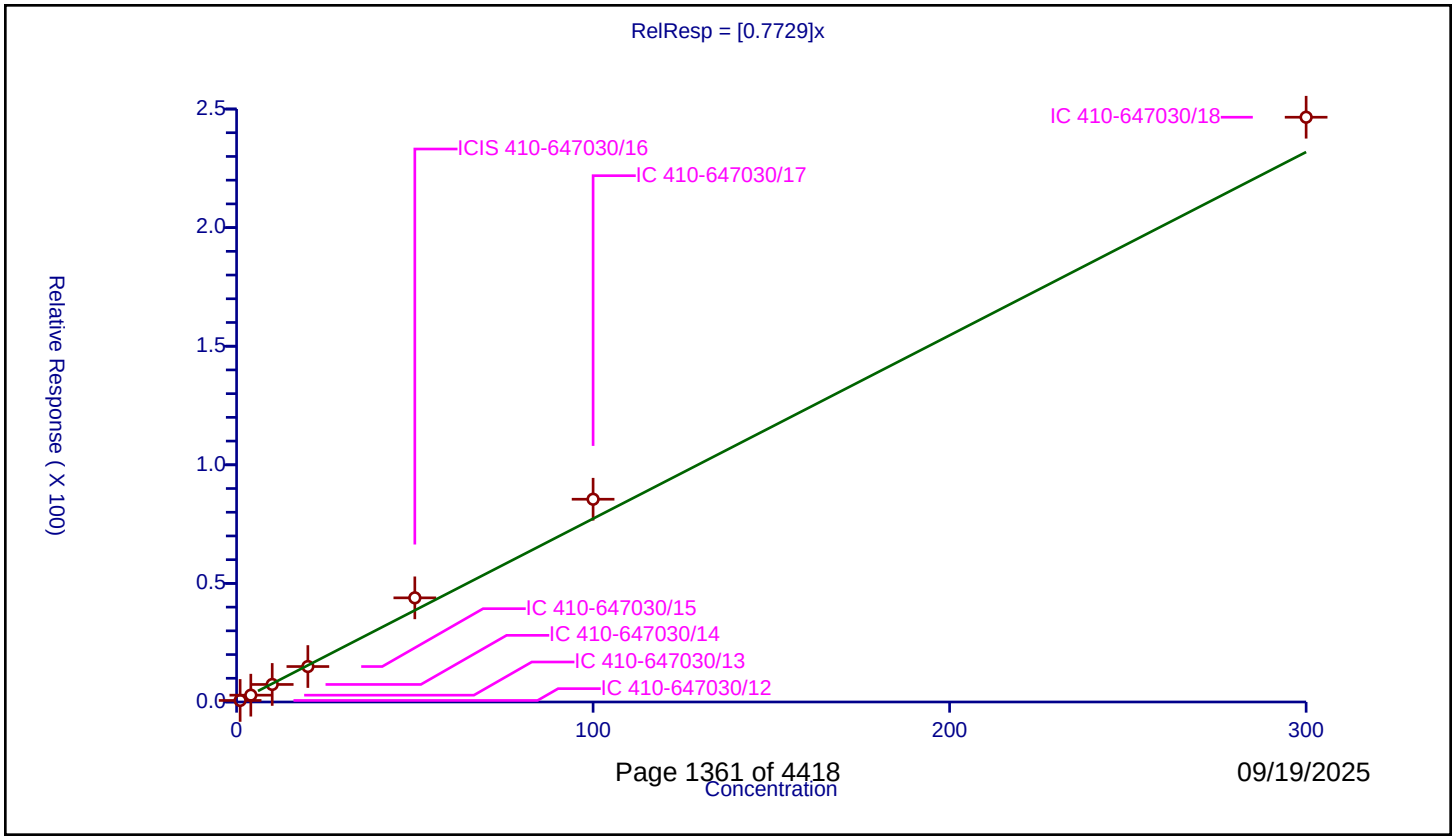
Curve Coefficients

Intercept:	0
Slope:	0.7729

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.651657	50.0	420313.0	0.651657	Y
2	IC 410-647030/13	4.0	2.869283	50.0	421255.0	0.717321	Y
3	IC 410-647030/14	10.0	7.389158	50.0	430861.0	0.738916	Y
4	IC 410-647030/15	20.0	14.951933	50.0	433148.0	0.747597	Y
5	ICIS 410-647030/16	50.0	43.90418	50.0	443394.0	0.878084	Y
6	IC 410-647030/17	100.0	85.486002	50.0	436644.0	0.85486	Y
7	IC 410-647030/18	300.0	246.538909	50.0	472250.0	0.821796	Y



09/19/2025

Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

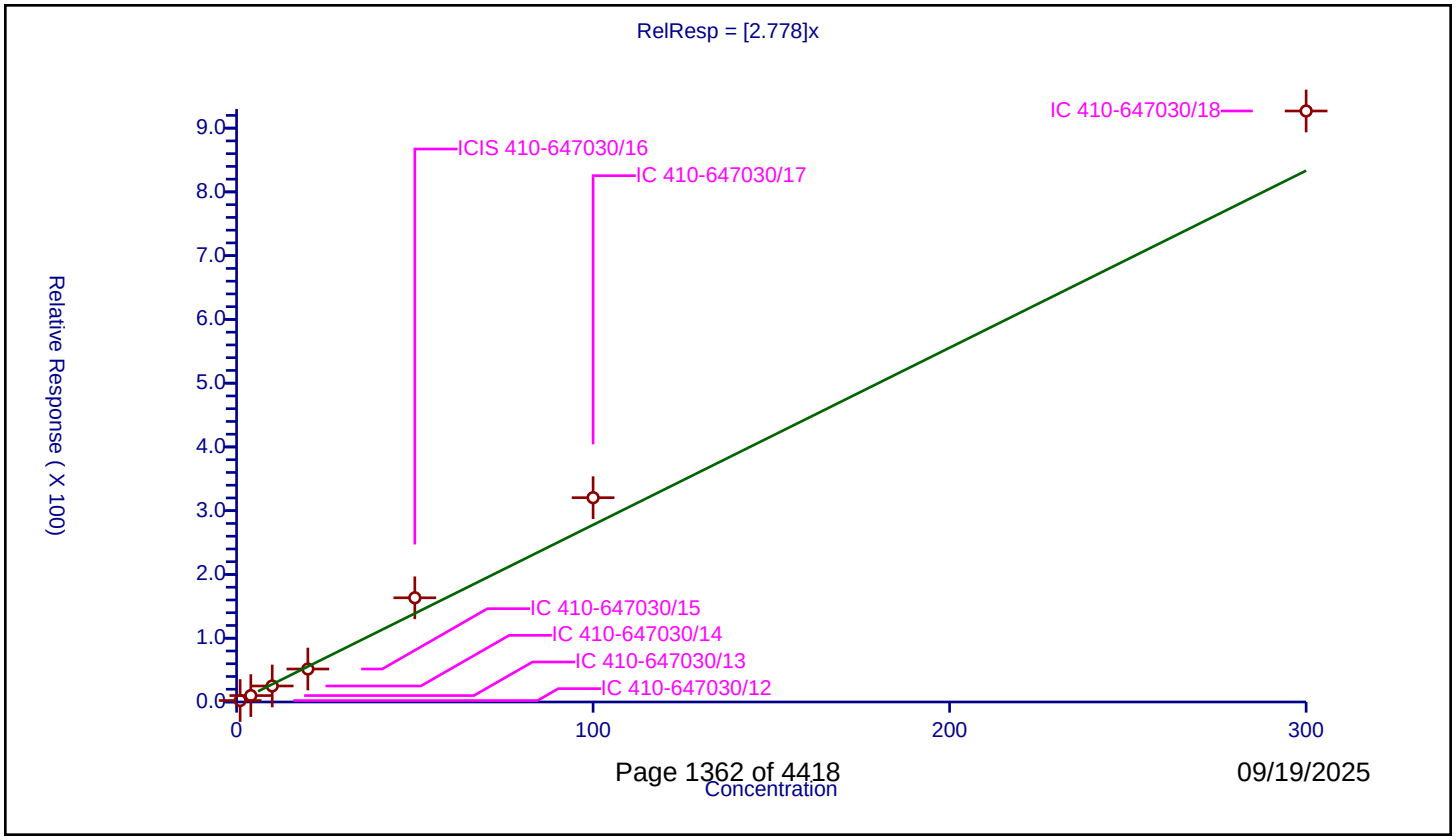
Curve Coefficients

Intercept:	0
Slope:	2.778

Error Coefficients

Relative Standard Deviation:	14.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	2.271878	50.0	420313.0	2.271878	Y
2	IC 410-647030/13	4.0	10.04629	50.0	421255.0	2.511573	Y
3	IC 410-647030/14	10.0	25.134556	50.0	430861.0	2.513456	Y
4	IC 410-647030/15	20.0	51.719851	50.0	433148.0	2.585993	Y
5	ICIS 410-647030/16	50.0	163.413691	50.0	443394.0	3.268274	Y
6	IC 410-647030/17	100.0	320.423274	50.0	436644.0	3.204233	Y
7	IC 410-647030/18	300.0	926.920911	50.0	472250.0	3.089736	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

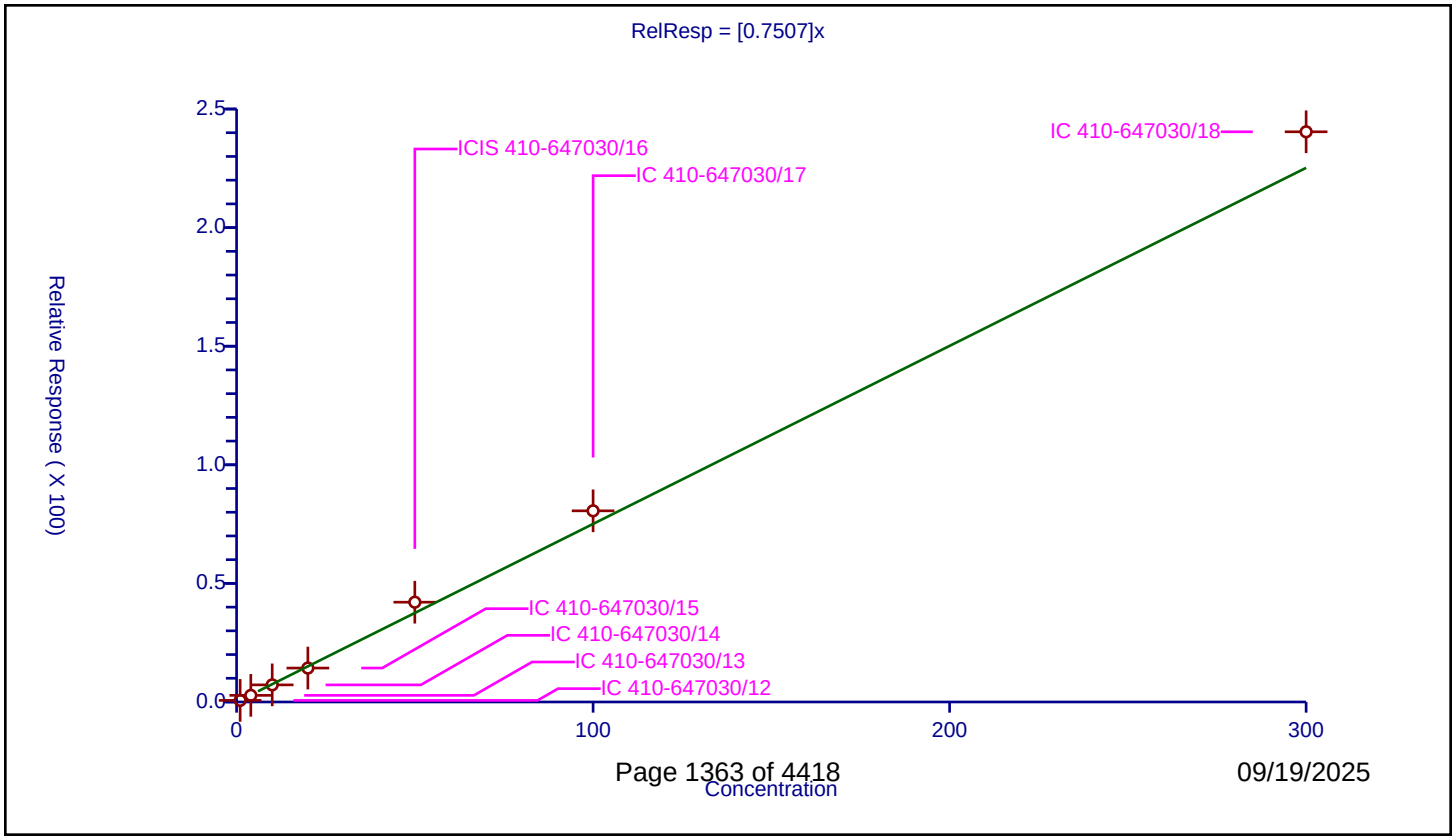
Curve Coefficients

Intercept:	0
Slope:	0.7507

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.670453	50.0	420313.0	0.670453	Y
2	IC 410-647030/13	4.0	2.798542	50.0	421255.0	0.699636	Y
3	IC 410-647030/14	10.0	7.207197	50.0	430861.0	0.72072	Y
4	IC 410-647030/15	20.0	14.301347	50.0	433148.0	0.715067	Y
5	ICIS 410-647030/16	50.0	42.075896	50.0	443394.0	0.841518	Y
6	IC 410-647030/17	100.0	80.598726	50.0	436644.0	0.805987	Y
7	IC 410-647030/18	300.0	240.402435	50.0	472250.0	0.801341	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

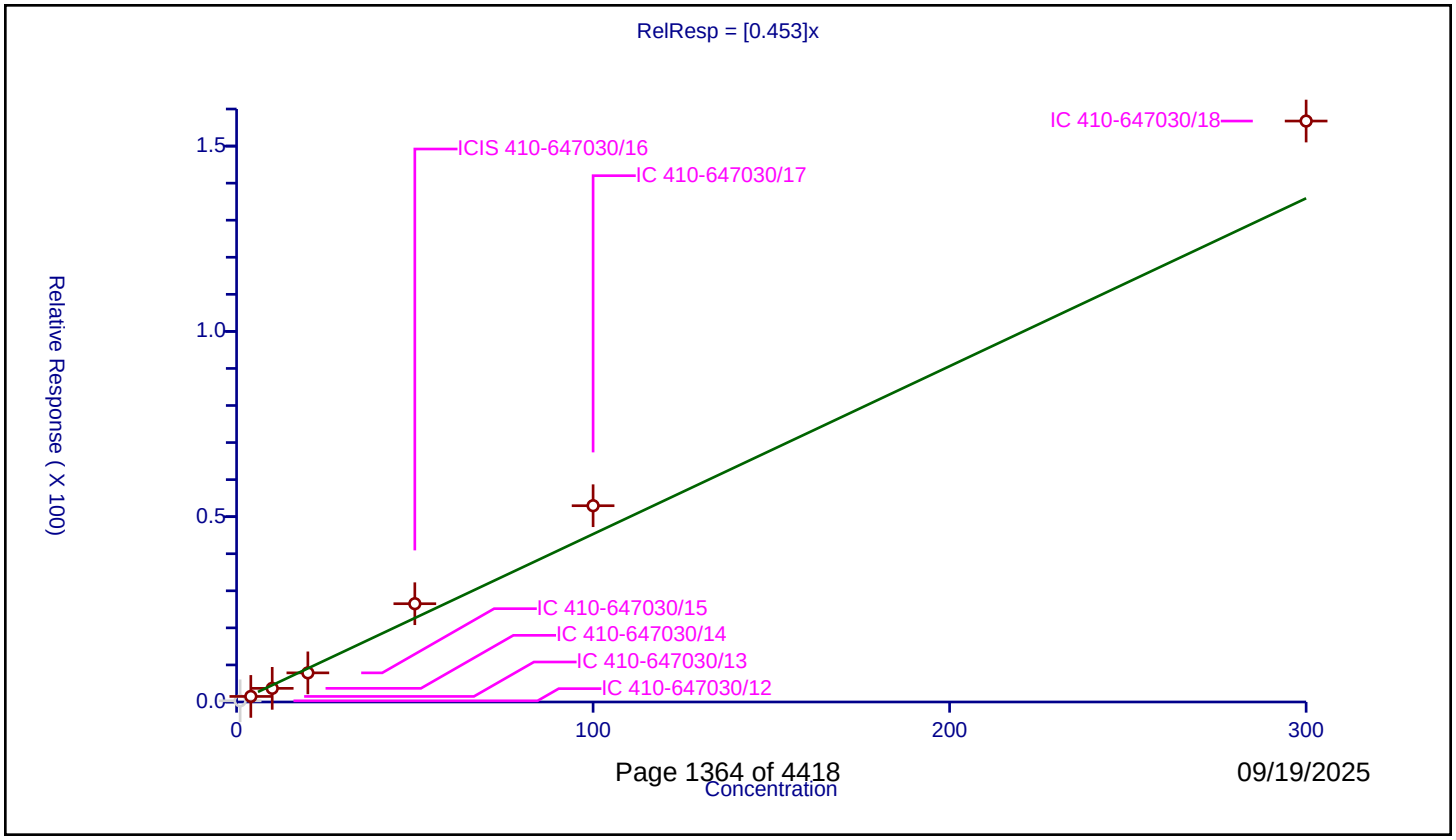
Curve Coefficients

Intercept:	0
Slope:	0.453

Error Coefficients

Relative Standard Deviation:	18.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.321189	50.0	420313.0	0.321189	N
2	IC 410-647030/13	4.0	1.499567	50.0	421255.0	0.374892	Y
3	IC 410-647030/14	10.0	3.678797	50.0	430861.0	0.36788	Y
4	IC 410-647030/15	20.0	7.860362	50.0	433148.0	0.393018	Y
5	ICIS 410-647030/16	50.0	26.515808	50.0	443394.0	0.530316	Y
6	IC 410-647030/17	100.0	52.959734	50.0	436644.0	0.529597	Y
7	IC 410-647030/18	300.0	156.756167	50.0	472250.0	0.522521	Y



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

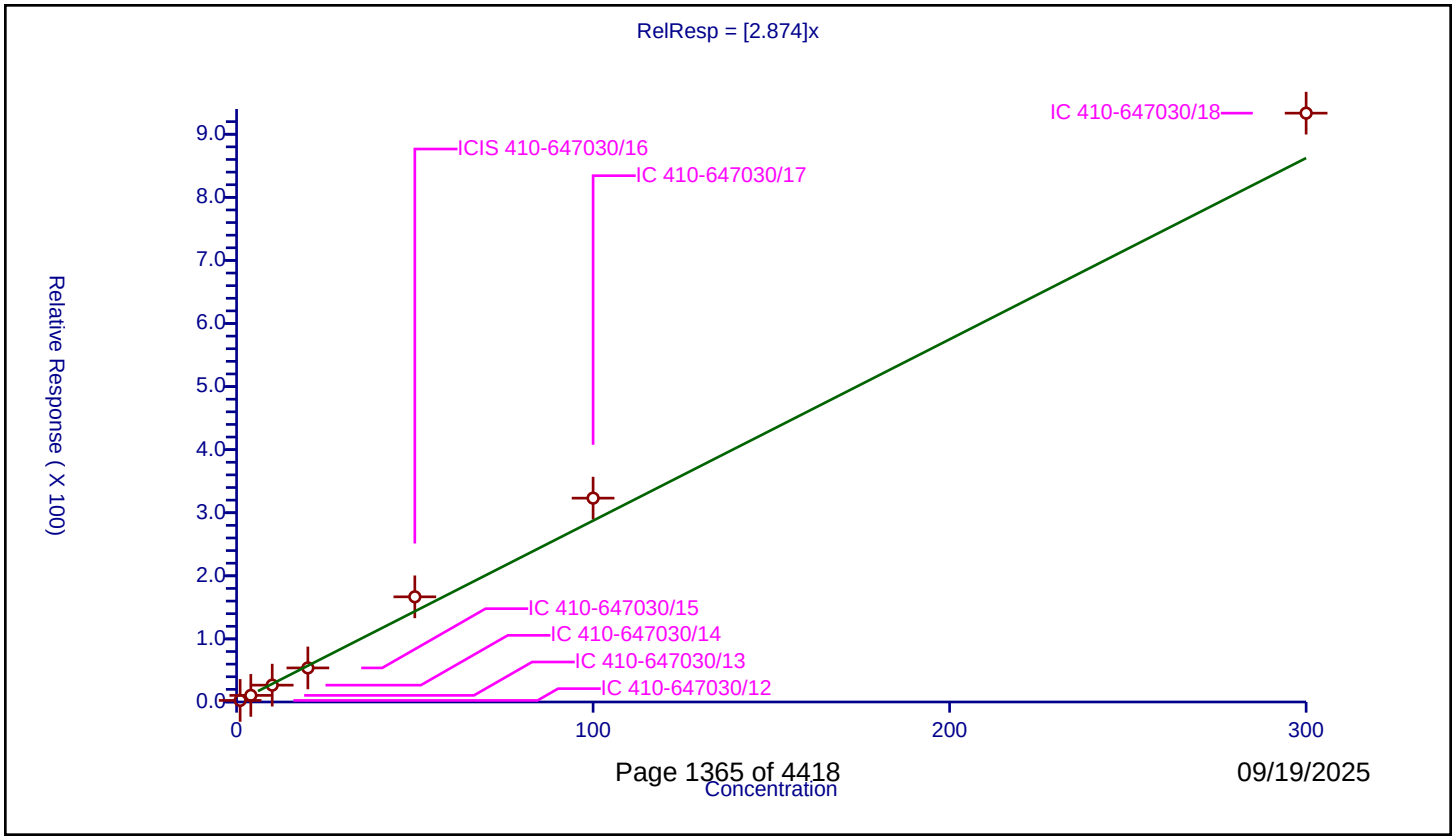
Curve Coefficients

Intercept:	0
Slope:	2.874

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	2.457097	50.0	420313.0	2.457097	Y
2	IC 410-647030/13	4.0	10.46219	50.0	421255.0	2.615548	Y
3	IC 410-647030/14	10.0	26.703276	50.0	430861.0	2.670328	Y
4	IC 410-647030/15	20.0	53.991015	50.0	433148.0	2.699551	Y
5	ICIS 410-647030/16	50.0	166.715156	50.0	443394.0	3.334303	Y
6	IC 410-647030/17	100.0	323.142537	50.0	436644.0	3.231425	Y
7	IC 410-647030/18	300.0	933.45622	50.0	472250.0	3.111521	Y



09/19/2025

Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

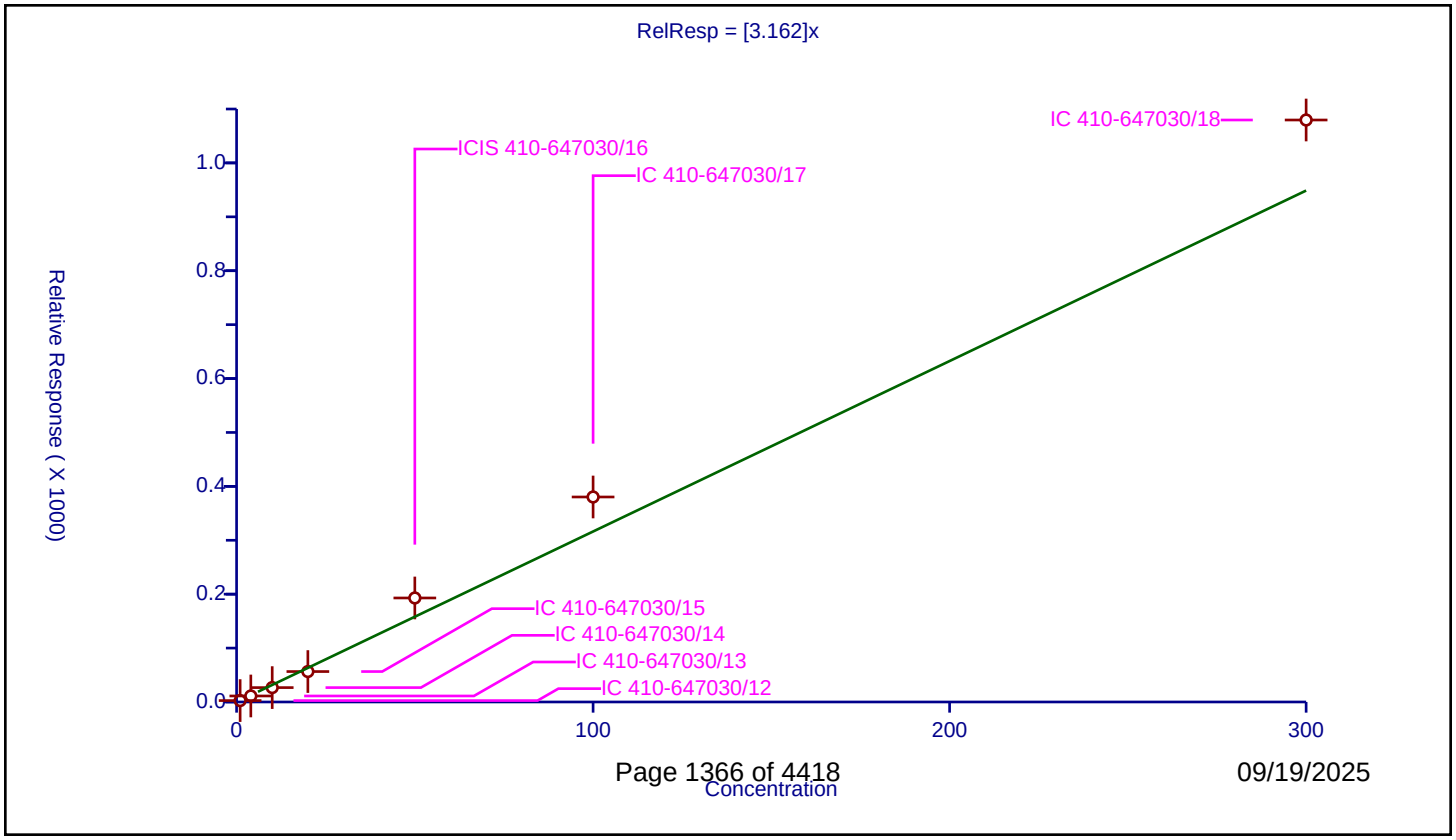
Curve Coefficients

Intercept:	0
Slope:	3.162

Error Coefficients

Relative Standard Deviation:	17.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	2.592235	50.0	420313.0	2.592235	Y
2	IC 410-647030/13	4.0	11.159868	50.0	421255.0	2.789967	Y
3	IC 410-647030/14	10.0	26.703276	50.0	430861.0	2.670328	Y
4	IC 410-647030/15	20.0	56.477232	50.0	433148.0	2.823862	Y
5	ICIS 410-647030/16	50.0	192.945326	50.0	443394.0	3.858907	Y
6	IC 410-647030/17	100.0	380.294473	50.0	436644.0	3.802945	Y
7	IC 410-647030/18	300.0	1079.626469	50.0	472250.0	3.598755	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

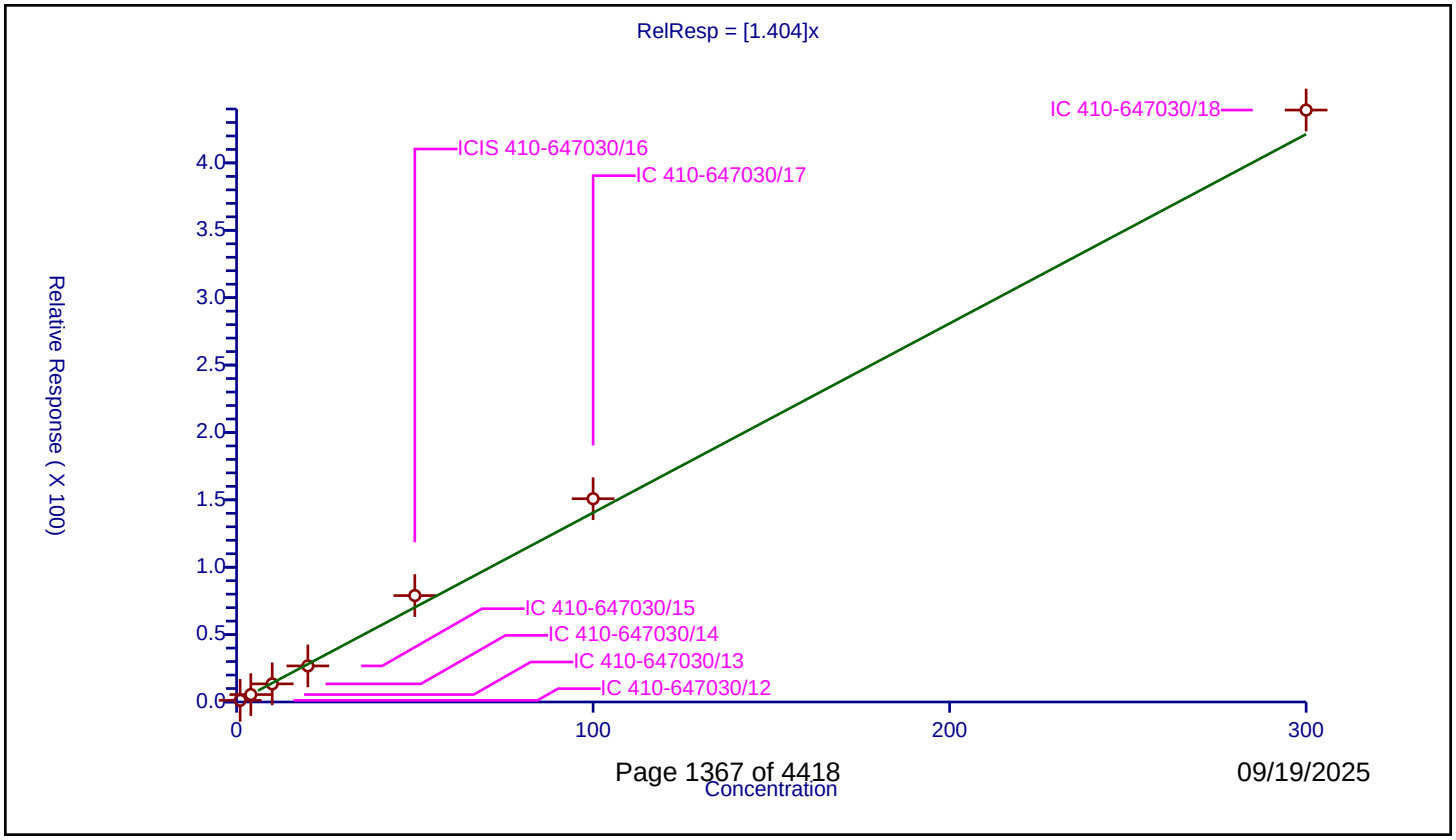
Curve Coefficients

Intercept:	0
Slope:	1.404

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	1.218973	50.0	420313.0	1.218973	Y
2	IC 410-647030/13	4.0	5.511507	50.0	421255.0	1.377877	Y
3	IC 410-647030/14	10.0	13.443315	50.0	430861.0	1.344331	Y
4	IC 410-647030/15	20.0	26.760945	50.0	433148.0	1.338047	Y
5	ICIS 410-647030/16	50.0	78.968141	50.0	443394.0	1.579363	Y
6	IC 410-647030/17	100.0	150.823096	50.0	436644.0	1.508231	Y
7	IC 410-647030/18	300.0	439.224987	50.0	472250.0	1.464083	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

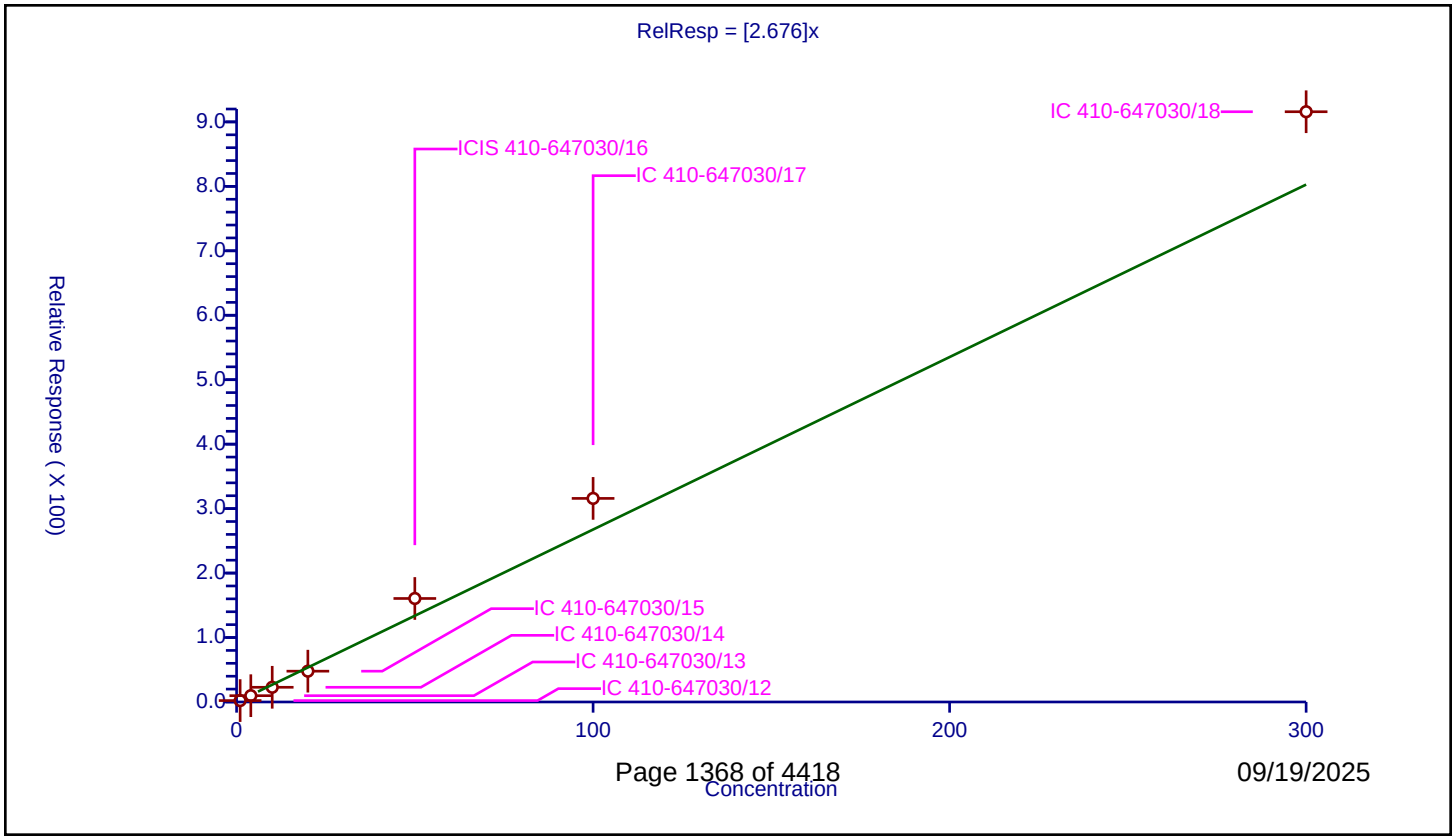
Curve Coefficients

Intercept:	0
Slope:	2.676

Error Coefficients

Relative Standard Deviation:	16.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	2.190035	50.0	420313.0	2.190035	Y
2	IC 410-647030/13	4.0	9.785403	50.0	421255.0	2.446351	Y
3	IC 410-647030/14	10.0	22.805151	50.0	430861.0	2.280515	Y
4	IC 410-647030/15	20.0	47.80964	50.0	433148.0	2.390482	Y
5	ICIS 410-647030/16	50.0	160.597798	50.0	443394.0	3.211956	Y
6	IC 410-647030/17	100.0	315.853533	50.0	436644.0	3.158535	Y
7	IC 410-647030/18	300.0	915.779778	50.0	472250.0	3.052599	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

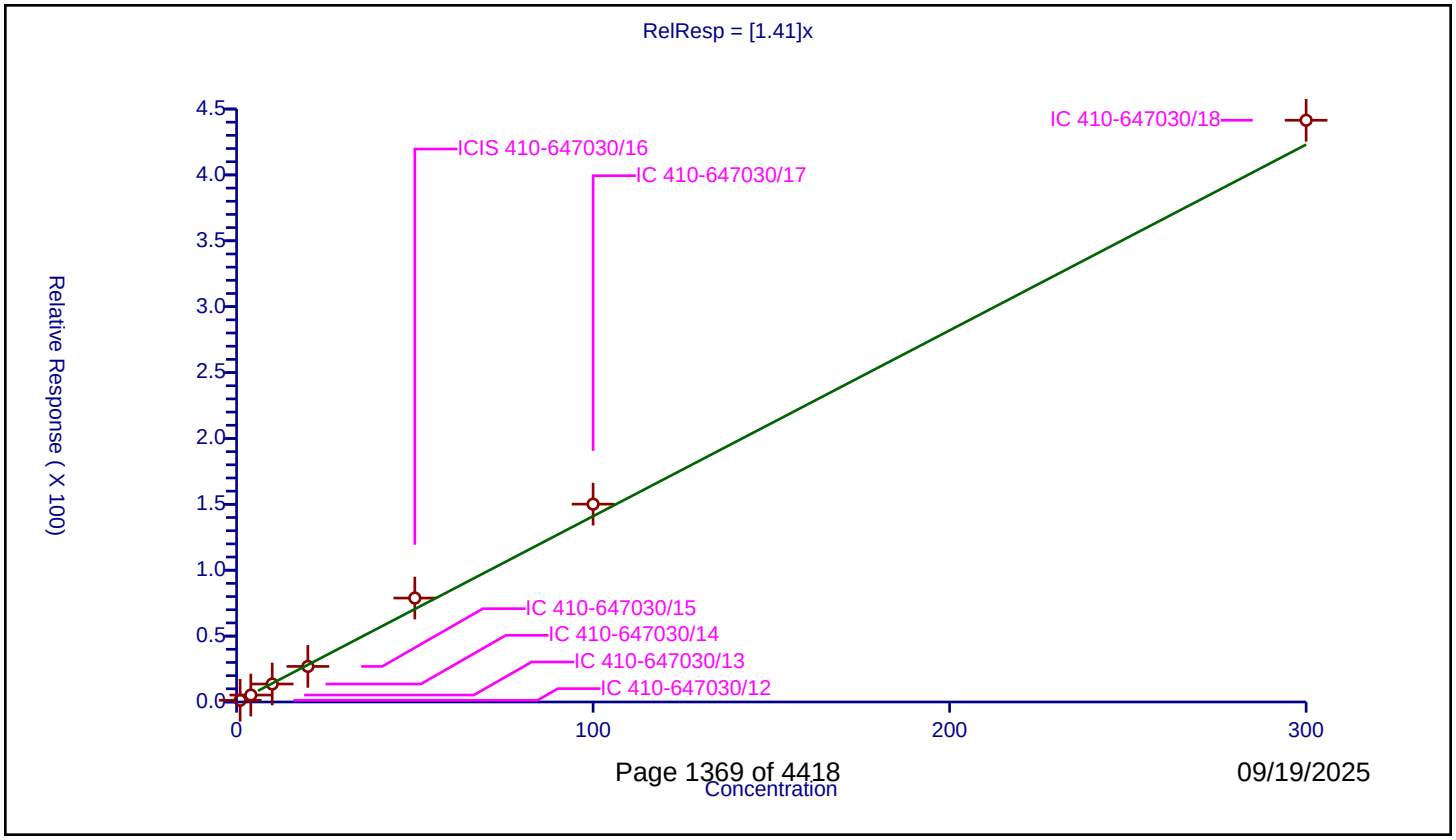
Curve Coefficients

Intercept:	0
Slope:	1.41

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	1.29011	50.0	420313.0	1.29011	Y
2	IC 410-647030/13	4.0	5.263439	50.0	421255.0	1.31586	Y
3	IC 410-647030/14	10.0	13.641406	50.0	430861.0	1.364141	Y
4	IC 410-647030/15	20.0	26.991121	50.0	433148.0	1.349556	Y
5	ICIS 410-647030/16	50.0	78.880296	50.0	443394.0	1.577606	Y
6	IC 410-647030/17	100.0	150.139129	50.0	436644.0	1.501391	Y
7	IC 410-647030/18	300.0	441.459397	50.0	472250.0	1.471531	Y



Calibration / 1,2,3-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

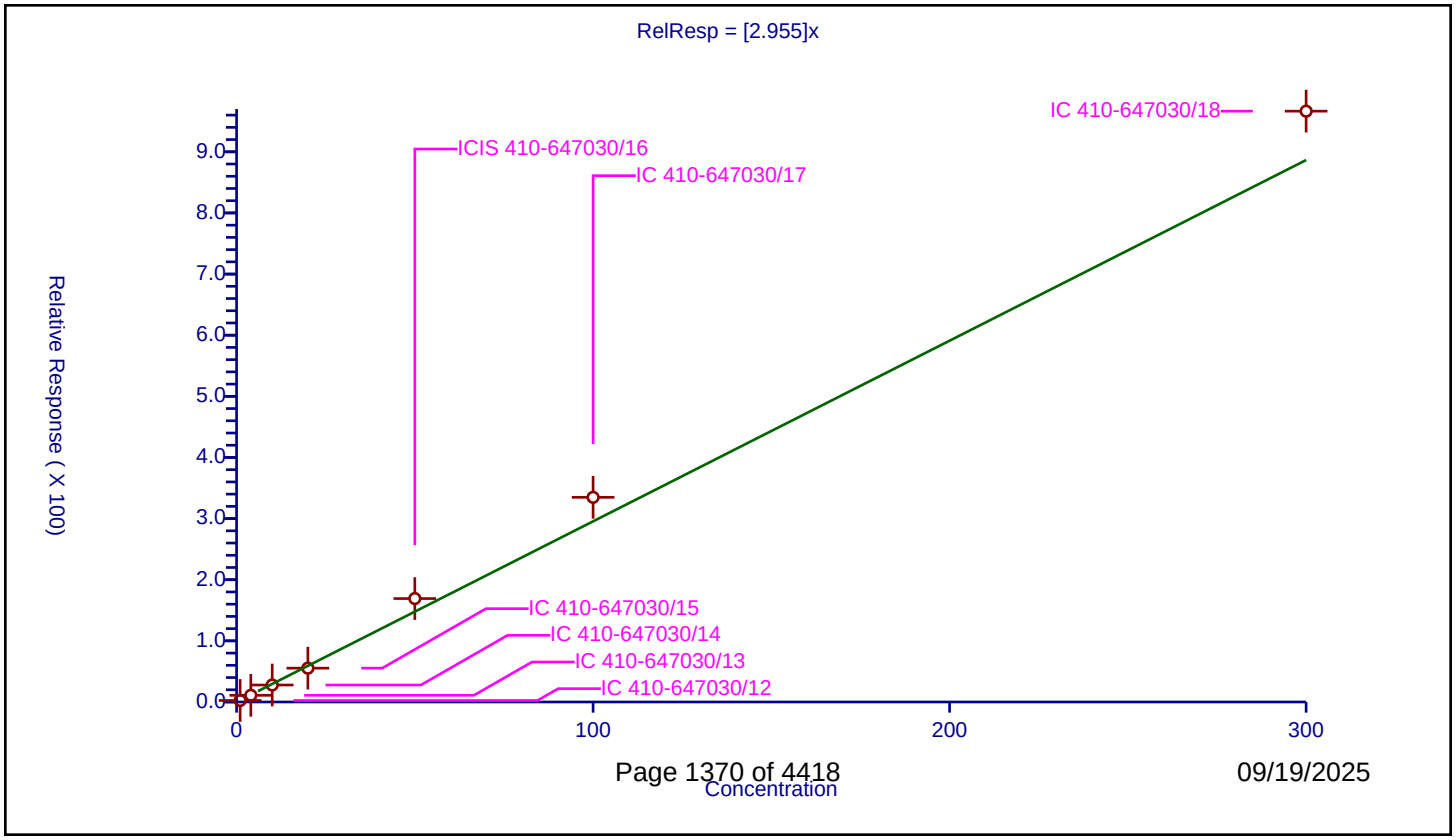
Curve Coefficients

Intercept:	0
Slope:	2.955

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	2.459715	50.0	420313.0	2.459715	Y
2	IC 410-647030/13	4.0	10.911681	50.0	421255.0	2.72792	Y
3	IC 410-647030/14	10.0	27.770325	50.0	430861.0	2.777033	Y
4	IC 410-647030/15	20.0	55.345632	50.0	433148.0	2.767282	Y
5	ICIS 410-647030/16	50.0	169.191847	50.0	443394.0	3.383837	Y
6	IC 410-647030/17	100.0	334.76356	50.0	436644.0	3.347636	Y
7	IC 410-647030/18	300.0	966.503123	50.0	472250.0	3.221677	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

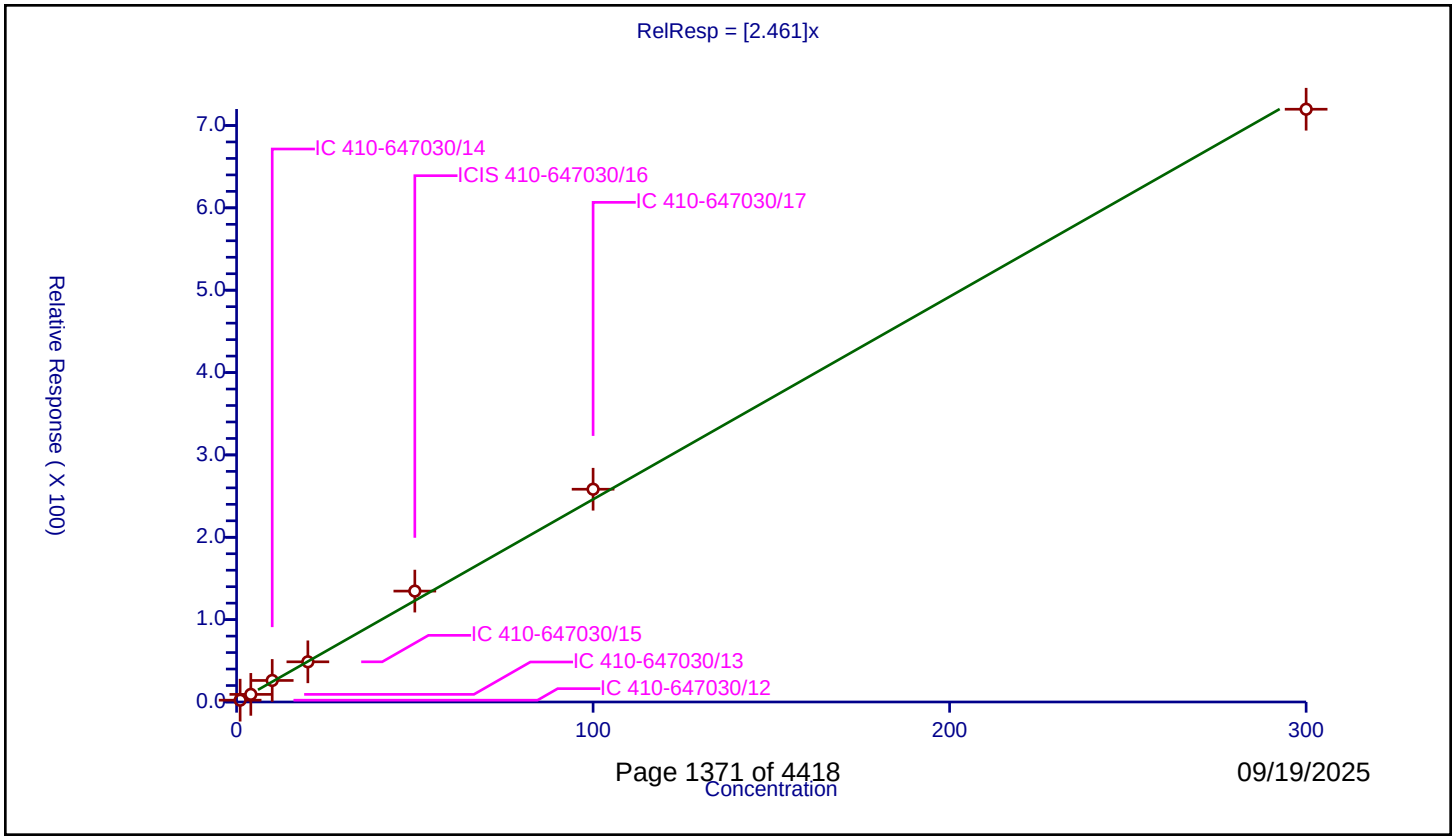
Curve Coefficients

Intercept:	0
Slope:	2.461

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	2.189916	50.0	420313.0	2.189916	Y
2	IC 410-647030/13	4.0	9.22992	50.0	421255.0	2.30748	Y
3	IC 410-647030/14	10.0	26.141958	50.0	430861.0	2.614196	Y
4	IC 410-647030/15	20.0	48.765895	50.0	433148.0	2.438295	Y
5	ICIS 410-647030/16	50.0	134.651348	50.0	443394.0	2.693027	Y
6	IC 410-647030/17	100.0	258.347762	50.0	436644.0	2.583478	Y
7	IC 410-647030/18	300.0	719.75585	50.0	472250.0	2.399186	Y



Calibration / 1,3-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

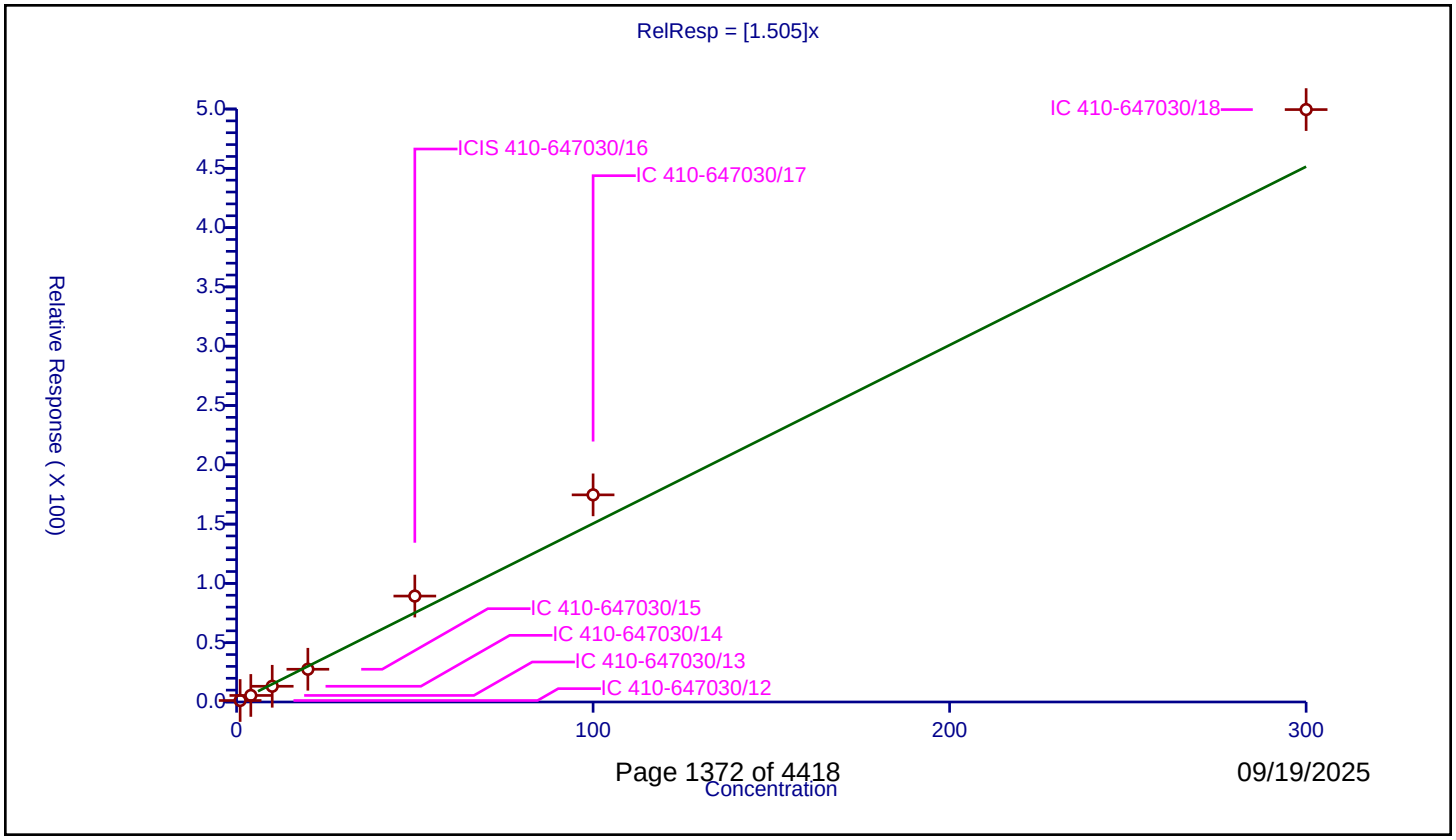
Curve Coefficients

Intercept:	0
Slope:	1.505

Error Coefficients

Relative Standard Deviation:	14.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	1.251329	50.0	420313.0	1.251329	Y
2	IC 410-647030/13	4.0	5.513525	50.0	421255.0	1.378381	Y
3	IC 410-647030/14	10.0	13.24824	50.0	430861.0	1.324824	Y
4	IC 410-647030/15	20.0	27.599112	50.0	433148.0	1.379956	Y
5	ICIS 410-647030/16	50.0	89.333978	50.0	443394.0	1.78668	Y
6	IC 410-647030/17	100.0	174.664257	50.0	436644.0	1.746643	Y
7	IC 410-647030/18	300.0	499.534569	50.0	472250.0	1.665115	Y



Calibration / p-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

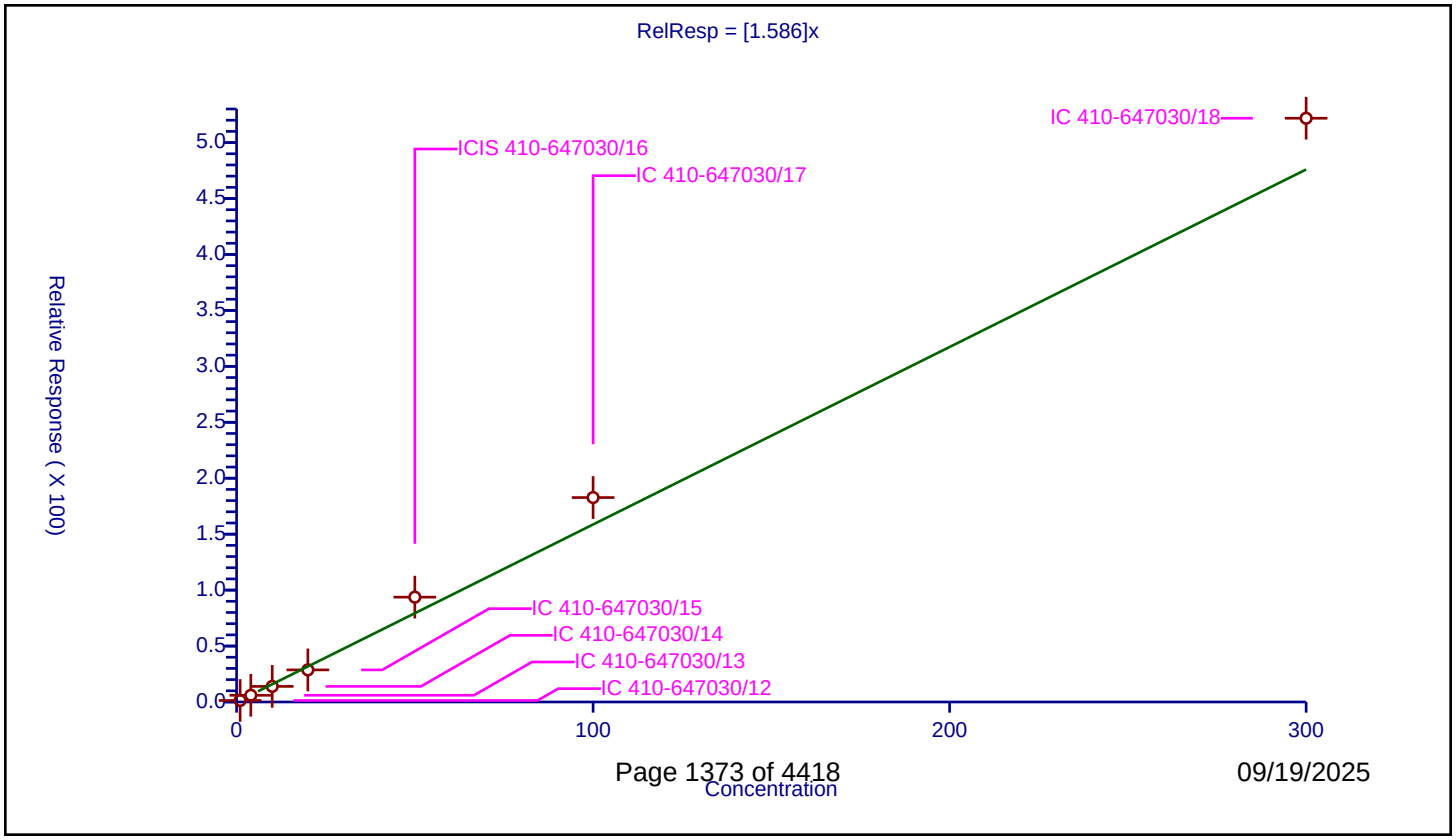
Curve Coefficients

Intercept:	0
Slope:	1.586

Error Coefficients

Relative Standard Deviation:	14.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	1.336861	50.0	420313.0	1.336861	Y
2	IC 410-647030/13	4.0	6.004083	50.0	421255.0	1.501021	Y
3	IC 410-647030/14	10.0	13.926881	50.0	430861.0	1.392688	Y
4	IC 410-647030/15	20.0	28.688462	50.0	433148.0	1.434423	Y
5	ICIS 410-647030/16	50.0	93.696239	50.0	443394.0	1.873925	Y
6	IC 410-647030/17	100.0	182.738913	50.0	436644.0	1.827389	Y
7	IC 410-647030/18	300.0	521.75585	50.0	472250.0	1.739186	Y



09/19/2025

Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

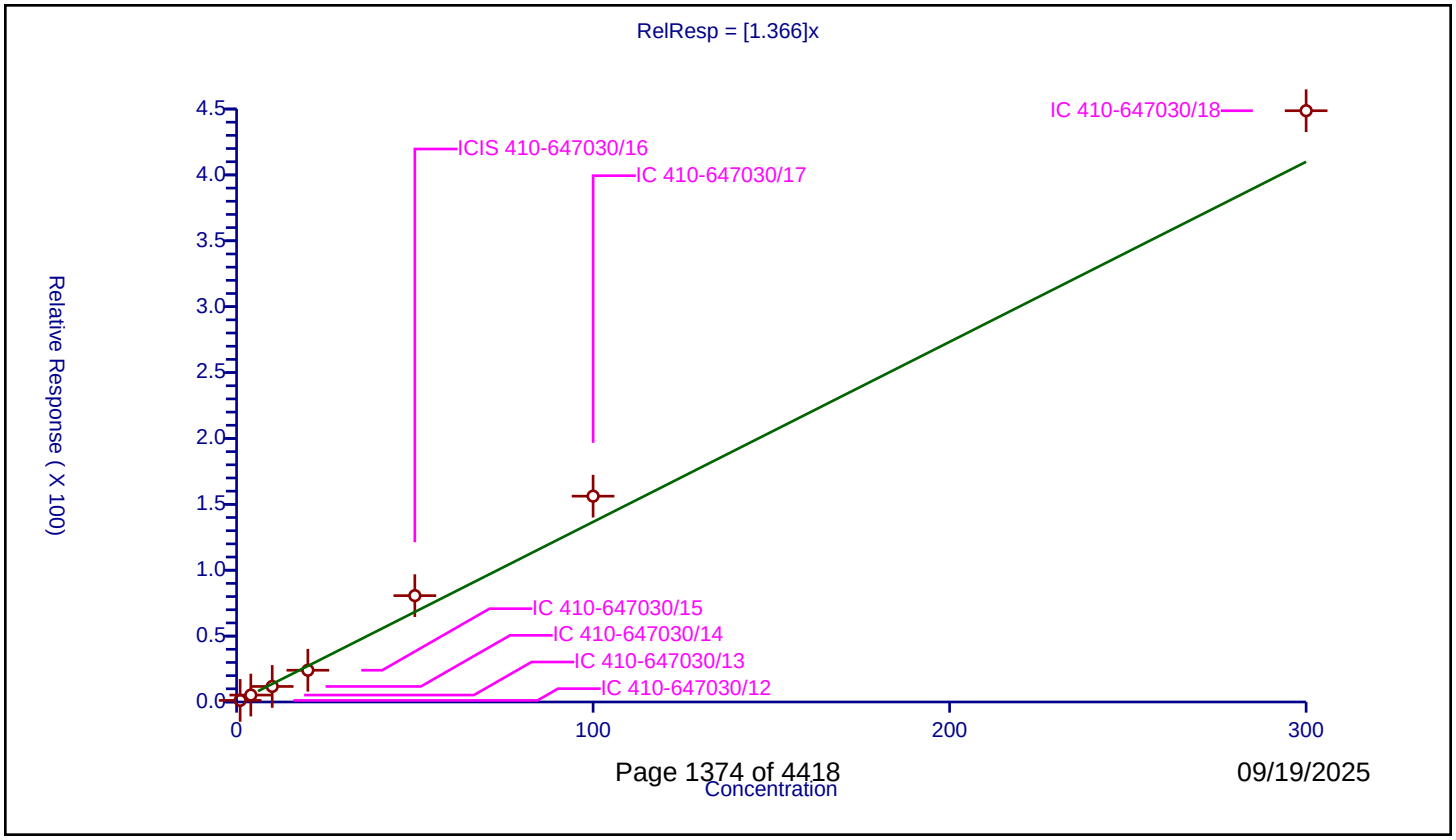
Curve Coefficients

Intercept:	0
Slope:	1.366

Error Coefficients

Relative Standard Deviation:	13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	1.194467	50.0	420313.0	1.194467	Y
2	IC 410-647030/13	4.0	5.261303	50.0	421255.0	1.315326	Y
3	IC 410-647030/14	10.0	11.786748	50.0	430861.0	1.178675	Y
4	IC 410-647030/15	20.0	24.096498	50.0	433148.0	1.204825	Y
5	ICIS 410-647030/16	50.0	80.713993	50.0	443394.0	1.61428	Y
6	IC 410-647030/17	100.0	156.208147	50.0	436644.0	1.562081	Y
7	IC 410-647030/18	300.0	448.711276	50.0	472250.0	1.495704	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

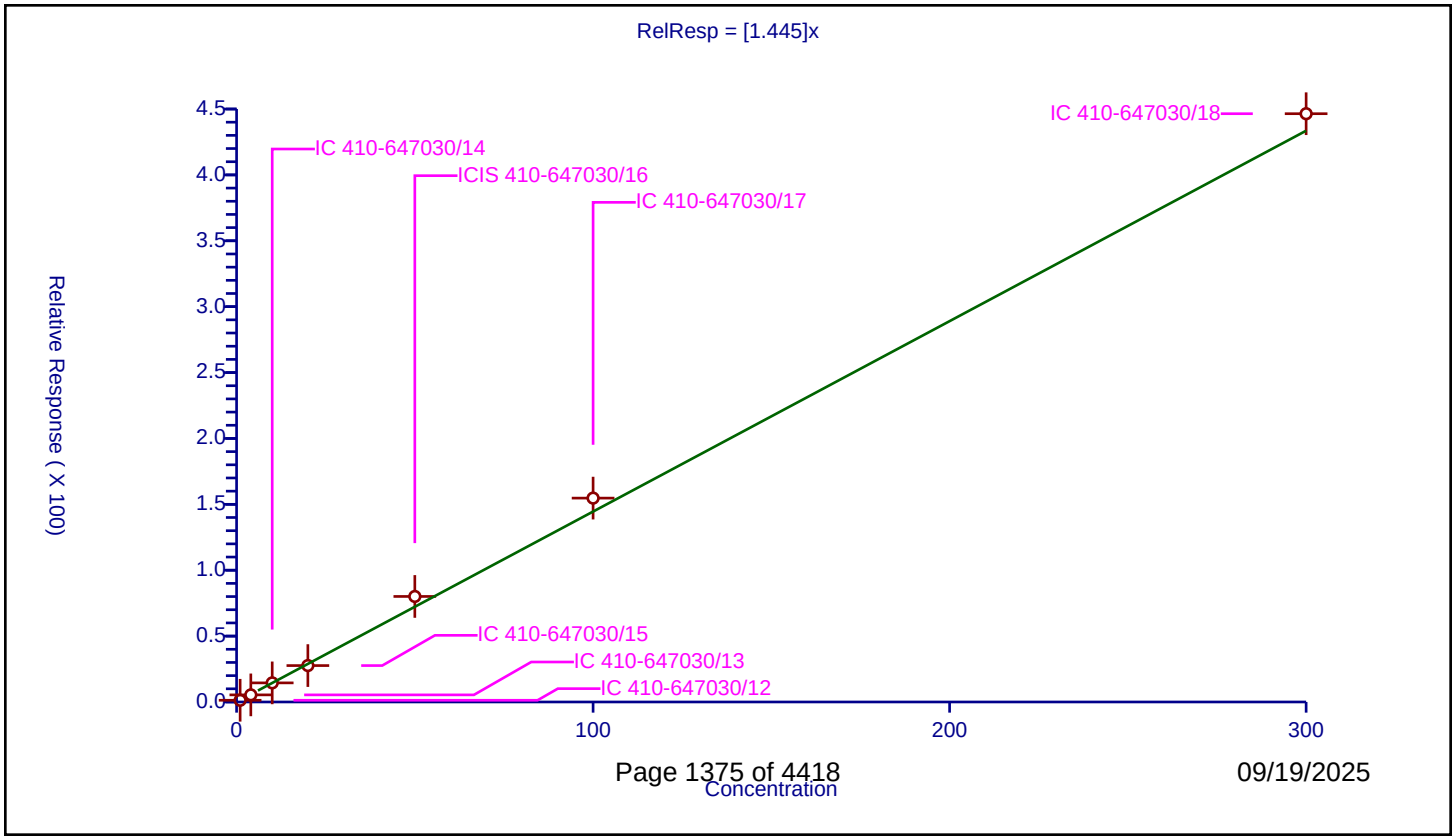
Curve Coefficients

Intercept:	0
Slope:	1.445

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	1.29808	50.0	420313.0	1.29808	Y
2	IC 410-647030/13	4.0	5.393526	50.0	421255.0	1.348382	Y
3	IC 410-647030/14	10.0	14.499804	50.0	430861.0	1.44998	Y
4	IC 410-647030/15	20.0	27.641014	50.0	433148.0	1.382051	Y
5	ICIS 410-647030/16	50.0	80.081936	50.0	443394.0	1.601639	Y
6	IC 410-647030/17	100.0	154.72307	50.0	436644.0	1.547231	Y
7	IC 410-647030/18	300.0	446.428587	50.0	472250.0	1.488095	Y



Calibration / o-diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

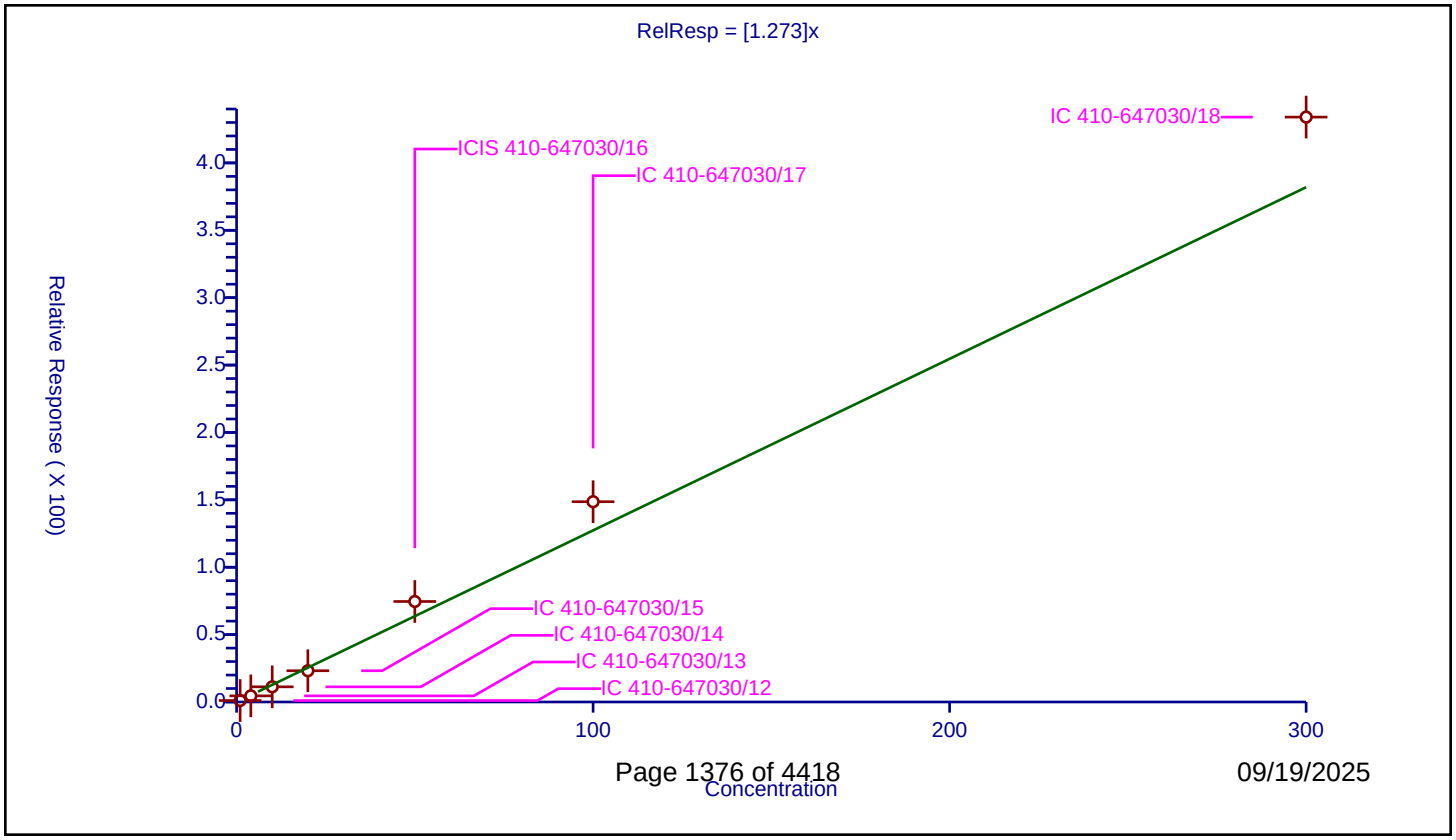
Curve Coefficients

Intercept:	0
Slope:	1.273

Error Coefficients

Relative Standard Deviation:	15.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	1.068965	50.0	420313.0	1.068965	Y
2	IC 410-647030/13	4.0	4.545109	50.0	421255.0	1.136277	Y
3	IC 410-647030/14	10.0	11.244346	50.0	430861.0	1.124435	Y
4	IC 410-647030/15	20.0	23.17268	50.0	433148.0	1.158634	Y
5	ICIS 410-647030/16	50.0	74.562353	50.0	443394.0	1.491247	Y
6	IC 410-647030/17	100.0	148.605615	50.0	436644.0	1.486056	Y
7	IC 410-647030/18	300.0	433.995765	50.0	472250.0	1.446653	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

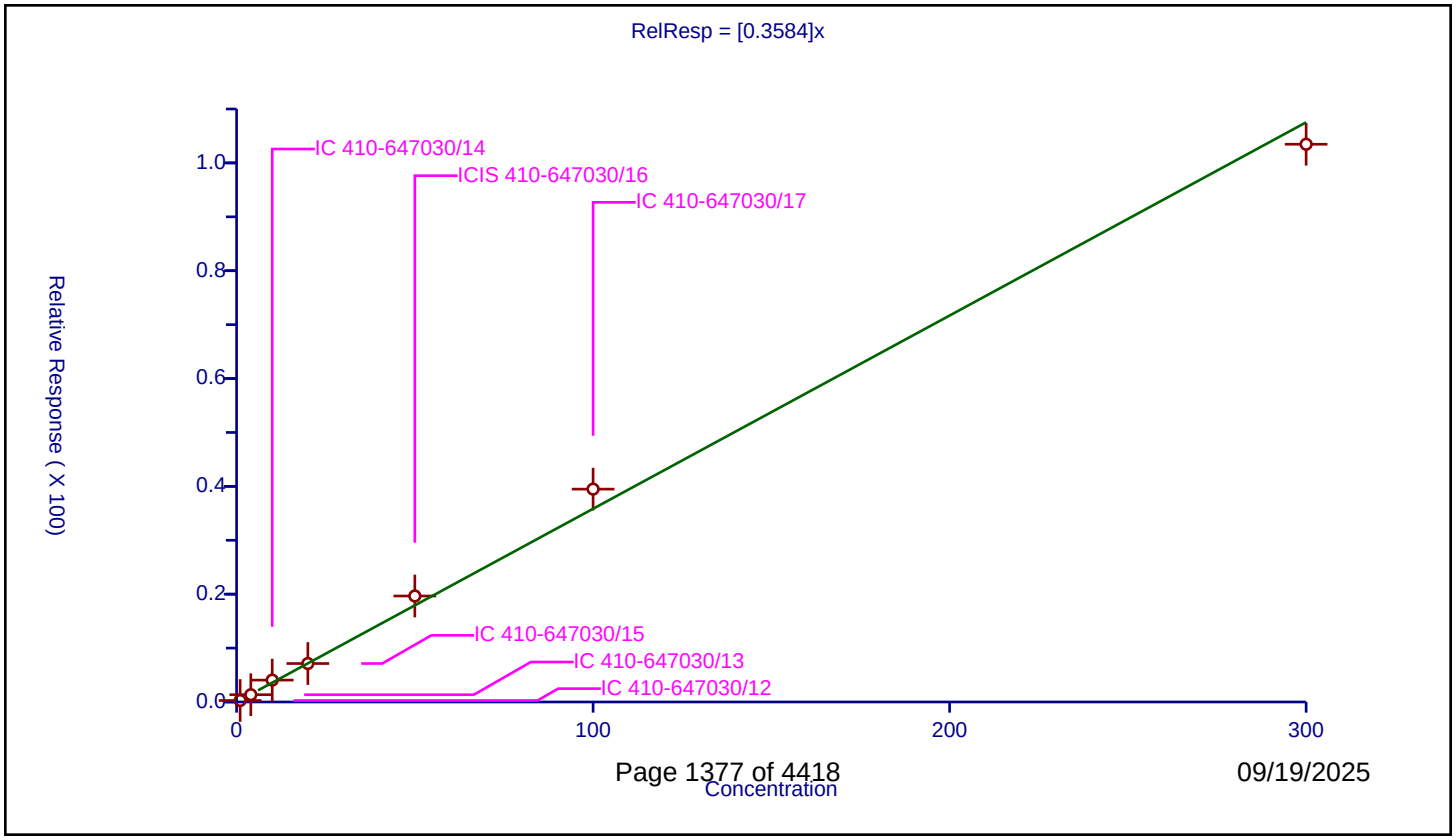
Curve Coefficients

Intercept:	0
Slope:	0.3584

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.275509	50.0	420313.0	0.275509	Y
2	IC 410-647030/13	4.0	1.350963	50.0	421255.0	0.337741	Y
3	IC 410-647030/14	10.0	4.060126	50.0	430861.0	0.406013	Y
4	IC 410-647030/15	20.0	7.137283	50.0	433148.0	0.356864	Y
5	ICIS 410-647030/16	50.0	19.658701	50.0	443394.0	0.393174	Y
6	IC 410-647030/17	100.0	39.485714	50.0	436644.0	0.394857	Y
7	IC 410-647030/18	300.0	103.46289	50.0	472250.0	0.344876	Y



Calibration / 1,3,5-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

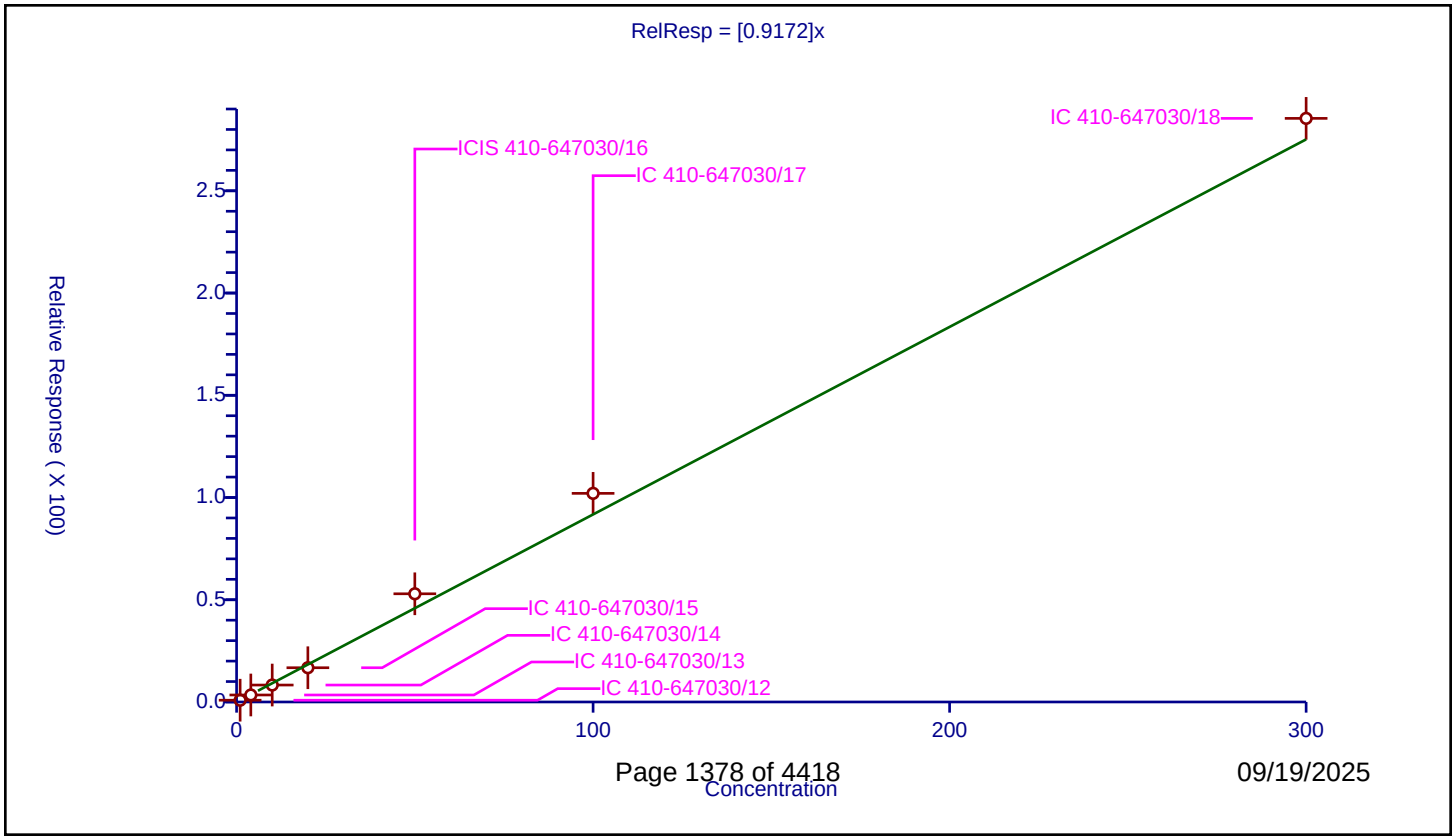
Curve Coefficients

Intercept:	0
Slope:	0.9172

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.868638	50.0	420313.0	0.868638	Y
2	IC 410-647030/13	4.0	3.419069	50.0	421255.0	0.854767	Y
3	IC 410-647030/14	10.0	8.289913	50.0	430861.0	0.828991	Y
4	IC 410-647030/15	20.0	16.755243	50.0	433148.0	0.837762	Y
5	ICIS 410-647030/16	50.0	52.910842	50.0	443394.0	1.058217	Y
6	IC 410-647030/17	100.0	102.032548	50.0	436644.0	1.020325	Y
7	IC 410-647030/18	300.0	285.418528	50.0	472250.0	0.951395	Y



09/19/2025

Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

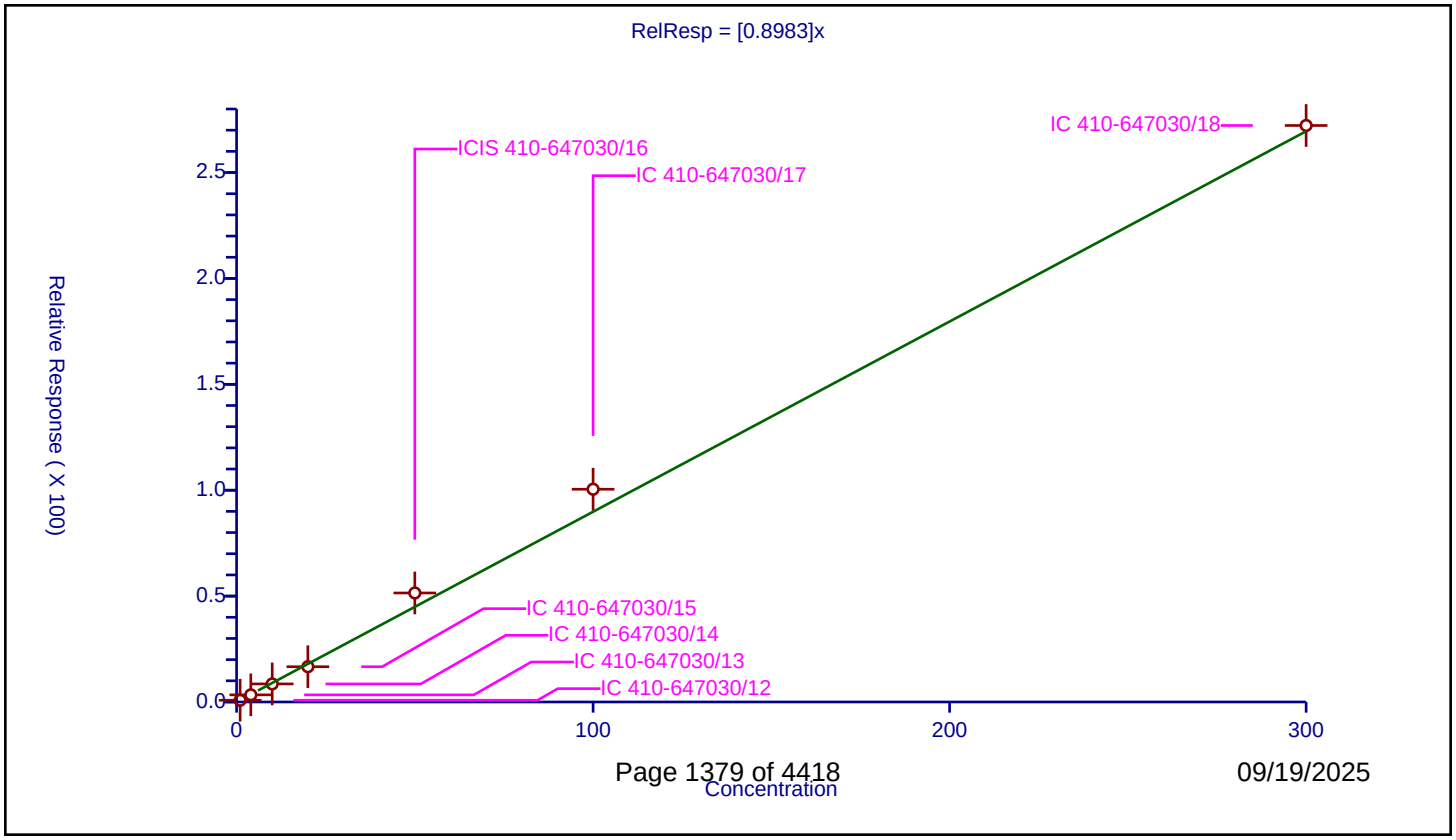
Curve Coefficients

Intercept:	0
Slope:	0.8983

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.81927	50.0	420313.0	0.81927	Y
2	IC 410-647030/13	4.0	3.366488	50.0	421255.0	0.841622	Y
3	IC 410-647030/14	10.0	8.528272	50.0	430861.0	0.852827	Y
4	IC 410-647030/15	20.0	16.654469	50.0	433148.0	0.832723	Y
5	ICIS 410-647030/16	50.0	51.473295	50.0	443394.0	1.029466	Y
6	IC 410-647030/17	100.0	100.465139	50.0	436644.0	1.004651	Y
7	IC 410-647030/18	300.0	272.217787	50.0	472250.0	0.907393	Y



09/19/2025

Calibration / 2-Ethylhexyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

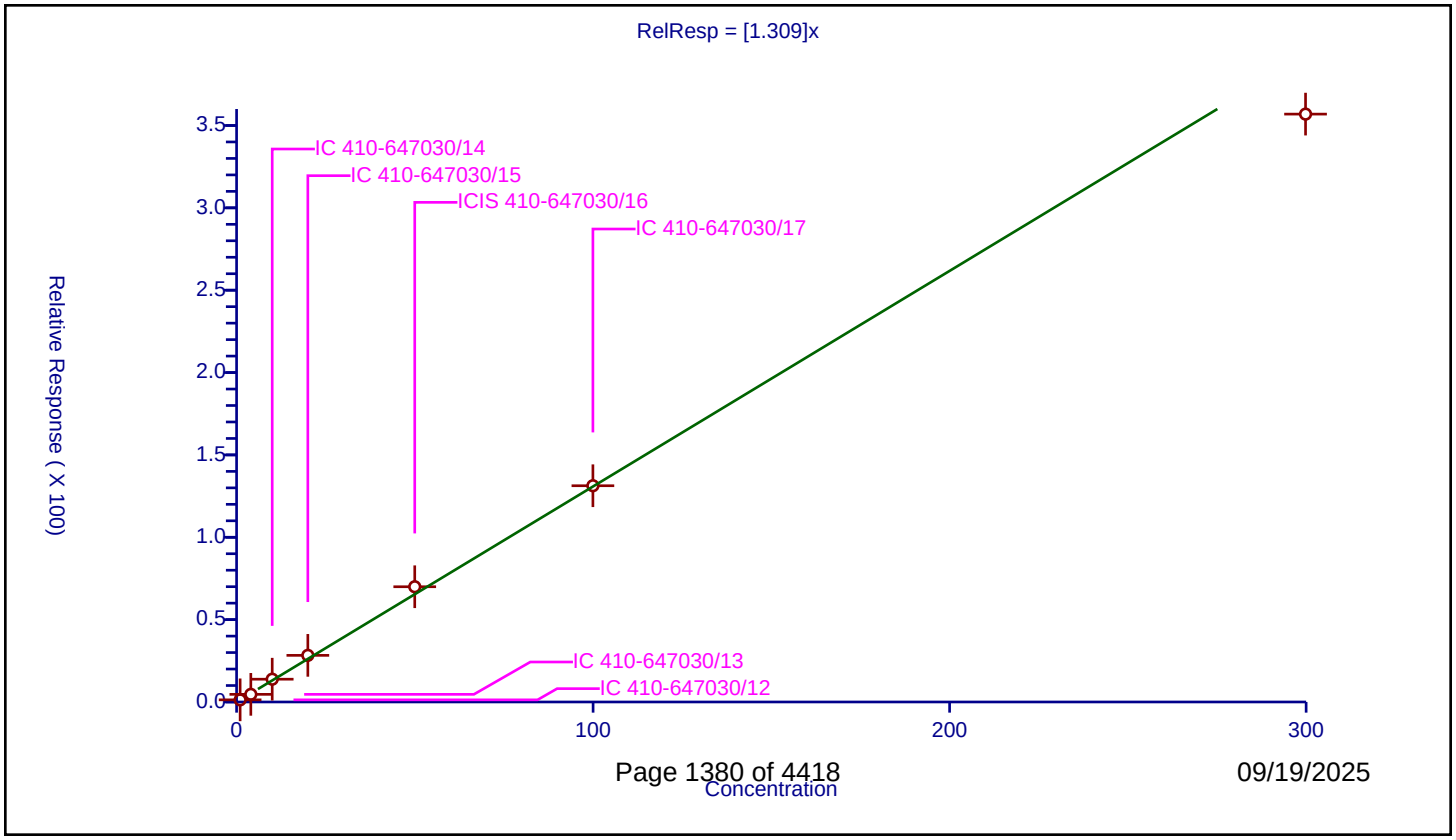
Curve Coefficients

Intercept:	0
Slope:	1.309

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	0.999472	1.296058	50.0	420313.0	1.296743	Y
2	IC 410-647030/13	3.997886	4.635909	50.0	421255.0	1.15959	Y
3	IC 410-647030/14	9.994716	13.830446	50.0	430861.0	1.383776	Y
4	IC 410-647030/15	19.989432	28.311108	50.0	433148.0	1.416304	Y
5	ICIS 410-647030/16	49.97358	69.959787	50.0	443394.0	1.399935	Y
6	IC 410-647030/17	99.94716	131.289792	50.0	436644.0	1.313592	Y
7	IC 410-647030/18	299.84148	356.911488	50.0	472250.0	1.190334	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

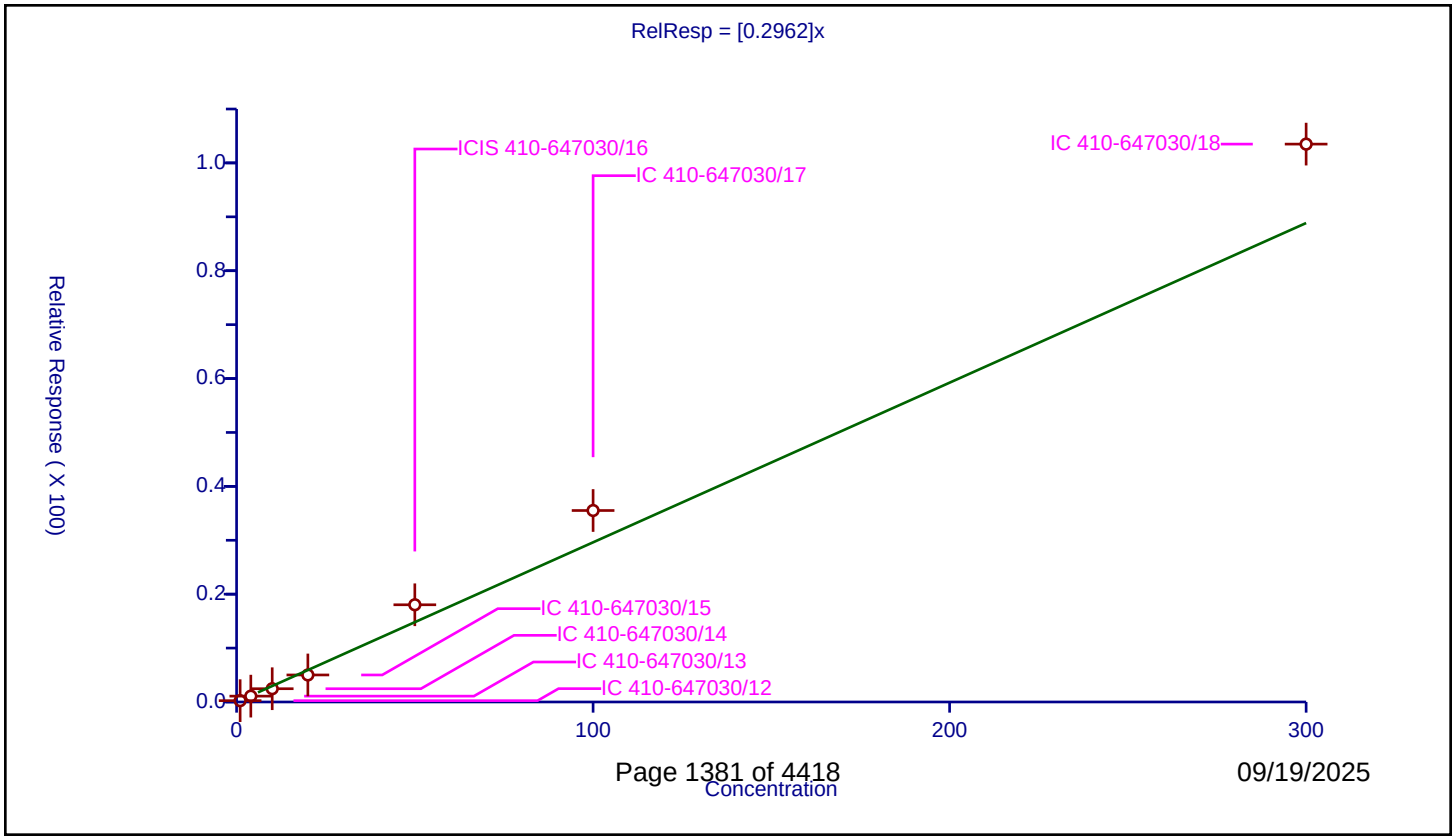
Curve Coefficients

Intercept:	0
Slope:	0.2962

Error Coefficients

Relative Standard Deviation:	18.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.243747	50.0	420313.0	0.243747	Y
2	IC 410-647030/13	4.0	1.088177	50.0	421255.0	0.272044	Y
3	IC 410-647030/14	10.0	2.458566	50.0	430861.0	0.245857	Y
4	IC 410-647030/15	20.0	5.012836	50.0	433148.0	0.250642	Y
5	ICIS 410-647030/16	50.0	18.035314	50.0	443394.0	0.360706	Y
6	IC 410-647030/17	100.0	35.518294	50.0	436644.0	0.355183	Y
7	IC 410-647030/18	300.0	103.487665	50.0	472250.0	0.344959	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

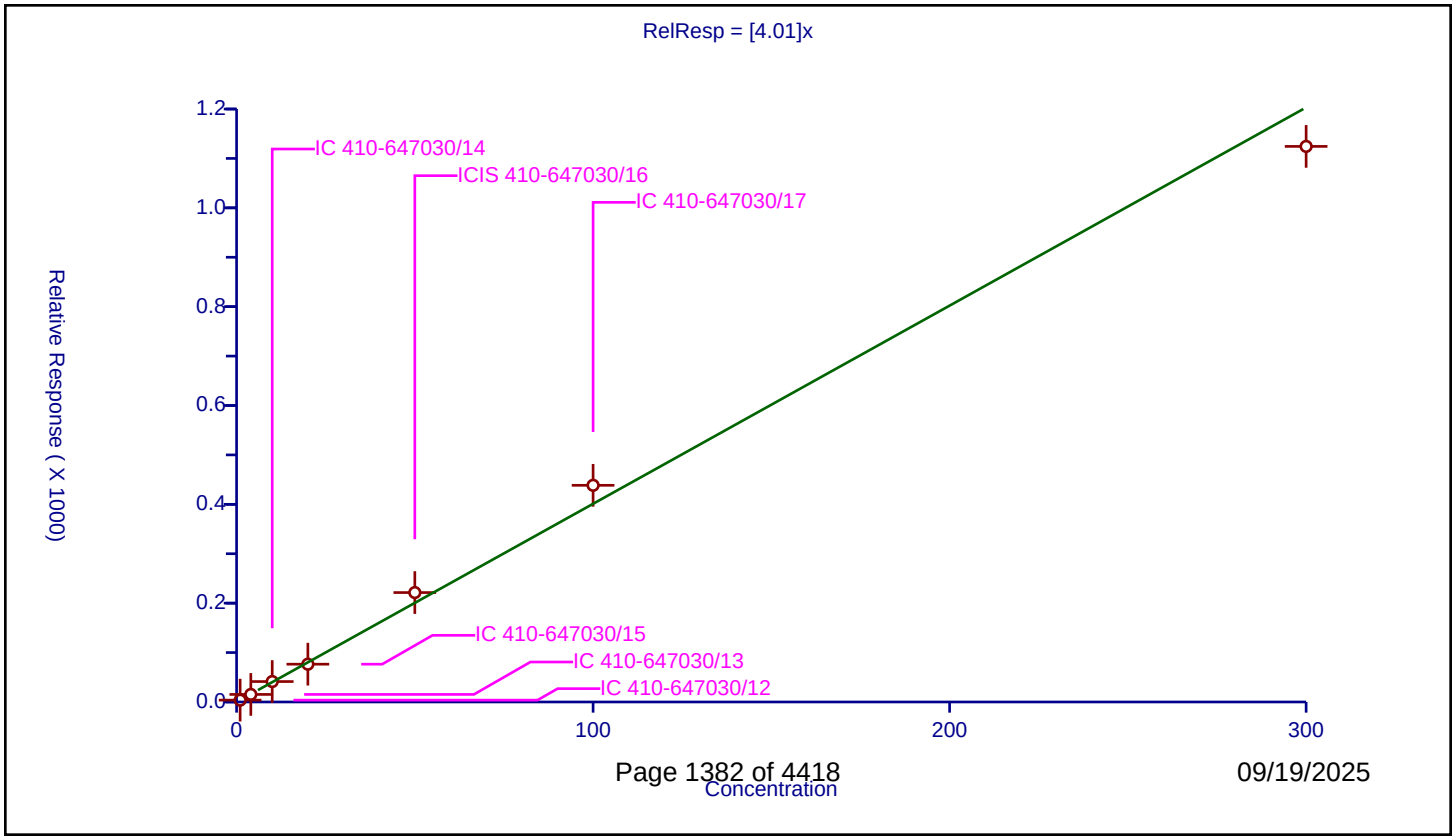
Curve Coefficients

Intercept:	0
Slope:	4.01

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	3.724486	50.0	420313.0	3.724486	Y
2	IC 410-647030/13	4.0	15.31424	50.0	421255.0	3.82856	Y
3	IC 410-647030/14	10.0	41.339434	50.0	430861.0	4.133943	Y
4	IC 410-647030/15	20.0	76.491407	50.0	433148.0	3.82457	Y
5	ICIS 410-647030/16	50.0	221.434435	50.0	443394.0	4.428689	Y
6	IC 410-647030/17	100.0	438.516274	50.0	436644.0	4.385163	Y
7	IC 410-647030/18	300.0	1124.34558	50.0	472250.0	3.747819	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

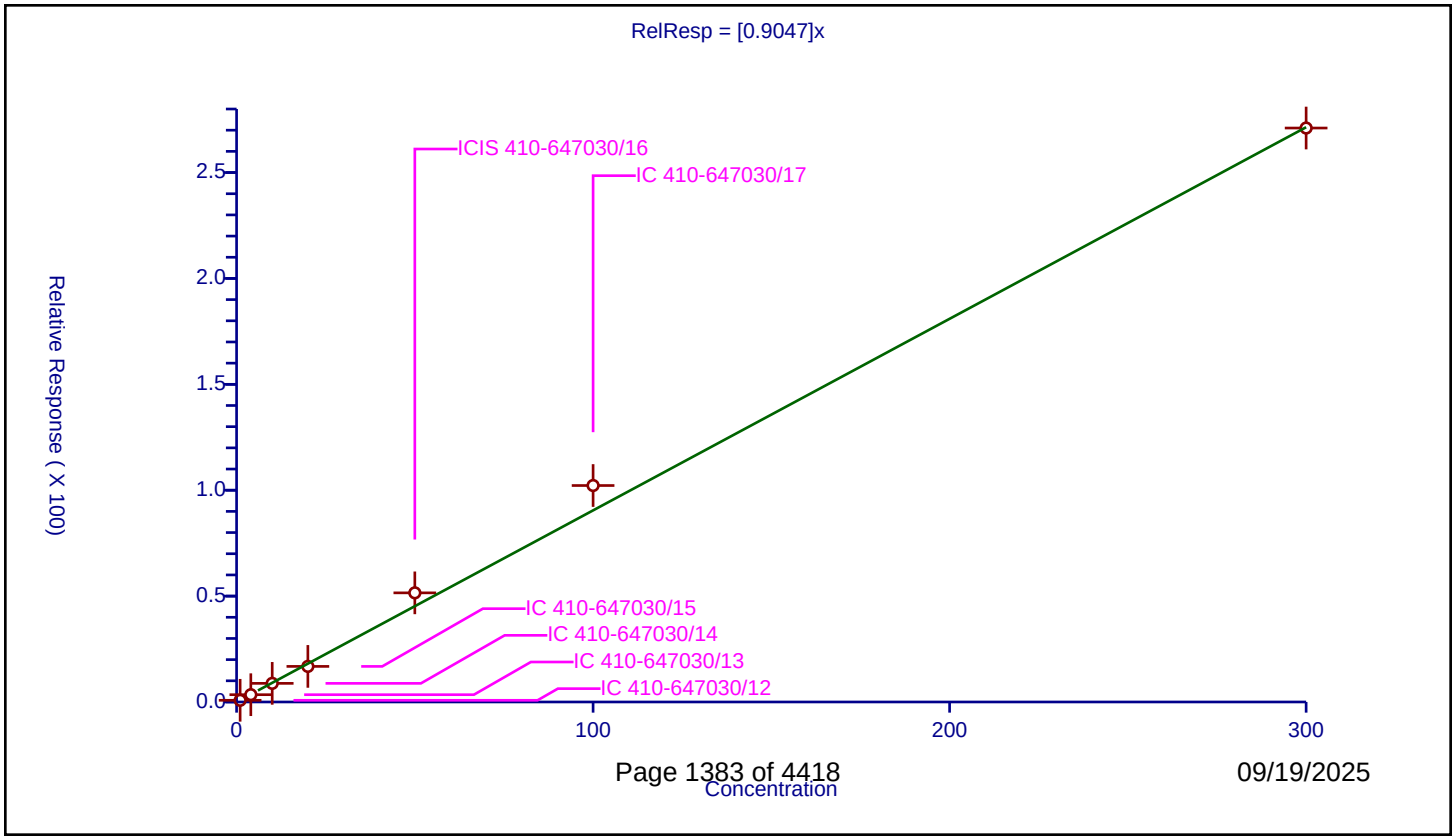
Curve Coefficients

Intercept:	0
Slope:	0.9047

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	0.79417	50.0	420313.0	0.79417	Y
2	IC 410-647030/13	4.0	3.449336	50.0	421255.0	0.862334	Y
3	IC 410-647030/14	10.0	8.798081	50.0	430861.0	0.879808	Y
4	IC 410-647030/15	20.0	16.798762	50.0	433148.0	0.839938	Y
5	ICIS 410-647030/16	50.0	51.536782	50.0	443394.0	1.030736	Y
6	IC 410-647030/17	100.0	102.220115	50.0	436644.0	1.022201	Y
7	IC 410-647030/18	300.0	271.019375	50.0	472250.0	0.903398	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

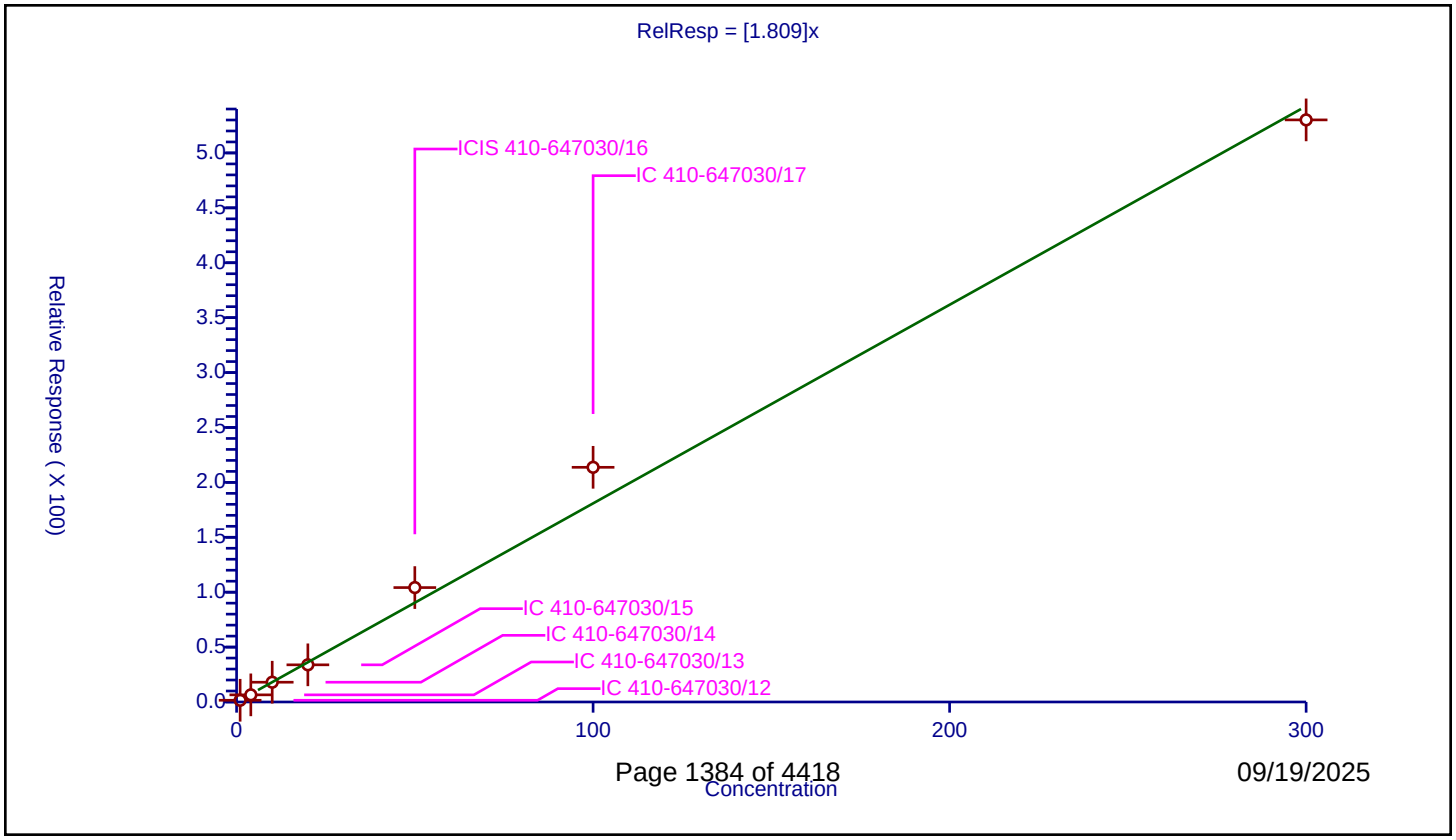
Curve Coefficients

Intercept:	0
Slope:	1.809

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-647030/12	1.0	1.55634	50.0	420313.0	1.55634	Y
2	IC 410-647030/13	4.0	6.492742	50.0	421255.0	1.623185	Y
3	IC 410-647030/14	10.0	18.007316	50.0	430861.0	1.800732	Y
4	IC 410-647030/15	20.0	33.842128	50.0	433148.0	1.692106	Y
5	ICIS 410-647030/16	50.0	104.200327	50.0	443394.0	2.084007	Y
6	IC 410-647030/17	100.0	213.715979	50.0	436644.0	2.13716	Y
7	IC 410-647030/18	300.0	530.081101	50.0	472250.0	1.766937	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-647030/10 Calibration Date: 05/21/2025 18:33

Instrument ID: 26285 Calib Start Date: 02/24/2025 19:07

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 02/24/2025 21:09

Lab File ID: 5Y21X09.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	0.2524	0.2504		50.8	50.0	-0.8	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0579	0.0551		50.3	50.0	-4.7	30.0
Toluene-d8 (Surr)	Ave	1.348	1.387		50.5	50.0	2.9	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4987	0.5628		52.6	50.0	12.9	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X09.D
Lims ID: ICV sm
Client ID:
Sample Type: ICV
Inject. Date: 21-May-2025 18:33:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0147895-010
Misc. Info.: ICV SM
Operator ID: knk41612 Instrument ID: 26285
Sublist:

Method: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 22-May-2025 08:40:39 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1676

First Level Reviewer: JS6E Date: 22-May-2025 02:29:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.561	1.567	-0.006	94	99859	20.0	24.6	
2 Chlorodifluoromethane	51	1.604	1.610	-0.006	98	276509	20.0	21.6	
7 2-Chloro-1,1,1-Trifluoroethane	118	1.903	1.909	-0.006	36	172901	20.0	20.2	
14 Ethanol	45	2.689	2.640	0.049	93	187058	1000.1	885.7	
27 Acetonitrile	41	3.244	3.244	0.000	100	350939	150.0	138.1	
* 29 t-Butyl alcohol-d10 (IS)	65	3.500	3.506	-0.006	29	566919	250.0	250.0	
37 Vinyl acetate	43	4.402	4.408	-0.006	96	1997767	100.0	91.0	a
41 Ethyl acetate	43	5.335	5.347	-0.012	99	231531	20.0	18.6	
$ 51 Dibromofluoromethane (Surr)	113	6.018	6.018	0.000	93	307056	50.0	50.8	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.487	6.493	-0.006	49	67597	50.0	50.3	
61 Isopropyl acetate	43	6.639	6.639	0.000	97	416773	20.0	18.8	
* 63 Fluorobenzene (IS)	96	6.944	6.944	0.000	98	1226219	50.0	50.0	
75 n-Propyl acetate	61	7.999	7.999	0.000	99	79777	20.0	18.4	
$ 84 Toluene-d8 (Surr)	98	9.090	9.090	0.000	95	1126016	50.0	50.5	
93 3,4-Dichloro-1-butene	75	9.932	9.931	0.001	90	146228	20.0	18.7	
99 n-Butyl acetate	43	10.108	10.108	0.000	97	357322	20.0	18.8	
* 128 Chlorobenzene-d5 (IS)	117	10.706	10.706	0.000	89	811977	50.0	50.0	
142 cis-1,4-Dichloro-2-butene	88	11.687	11.687	0.000	0	167967	50.0	48.2	
$ 143 4-Bromofluorobenzene (Surr)	95	11.779	11.779	0.000	86	456979	50.0	52.6	
149 2,3,4-Trichlorobutene	109	12.175	12.175	0.000	0	133777	20.0	19.8	a
155 Pentachloroethane	167	12.401	12.400	0.001	93	67690	20.0	16.7	a
* 163 1,4-Dichlorobenzene-d4	152	12.699	12.699	0.000	97	455680	50.0	50.0	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

MSV_LCS_LKB_00014	Amount Added: 100.00	Units: uL
MSV_LCS_SMFre_00086	Amount Added: 50.00	Units: uL
MSV_LCS_V5ACE_00053	Amount Added: 50.00	Units: uL
MSV_Cent_ISO_00010	Amount Added: 5.00	Units: uL
MSV_LCS_ETOH_00010	Amount Added: 50.00	Units: uL
MSV_LCS_Penta_00056	Amount Added: 50.00	Units: uL

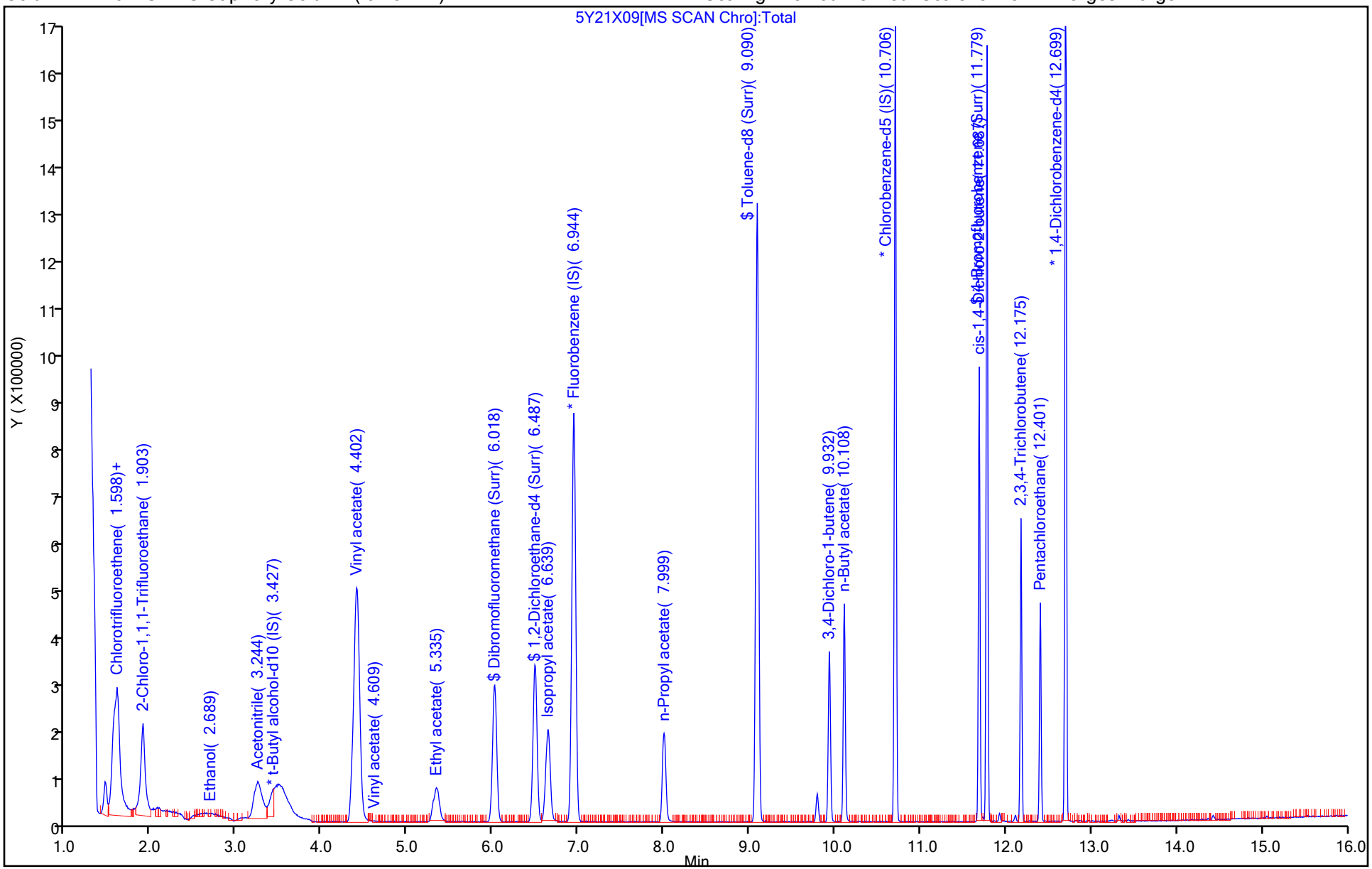
Report Date: 22-May-2025 08:41:22 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X09.D

Injection Date:	21-May-2025 18:33:30	Instrument ID:	26285	Operator ID:	knk41612
Lims ID:	ICV sm			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-647030/10 Calibration Date: 05/21/2025 18:33

Instrument ID: 26285 Calib Start Date: 05/21/2025 16:11

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 05/21/2025 17:53

Lab File ID: 5Y21X09.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.1653	0.2036		24.6	20.0	23.2	30.0
Chlorodifluoromethane	Ave	5.648	6.097		21.6	20.0	7.9	30.0
Freon 133a	Ave	0.3499	0.3525		20.2	20.0	0.8	30.0
Ethanol	Ave	0.0931	0.0825		886	1000	-11.4	30.0
Acetonitrile	Ave	1.121	1.032		138	150	-7.9	30.0
Vinyl acetate	Ave	0.8956	0.8146		91.0	100	-9.0	30.0
Ethyl acetate	Ave	0.5078	0.4720		18.6	20.0	-7.0	30.0
Isopropyl acetate	Ave	0.9038	0.8497		18.8	20.0	-6.0	30.0
n-Propyl acetate	Ave	0.1764	0.1626		18.4	20.0	-7.8	30.0
3,4-Dichloro-1-butene	Ave	0.4813	0.4513		18.7	20.0	-6.2	30.0
Butyl acetate	Ave	1.168	1.100		18.8	20.0	-5.8	30.0
cis-1,4-Dichloro-2-butene	Ave	0.2147	0.2069		48.2	50.0	-3.6	30.0
2,3,4-Trichlorobutene	Ave	0.7397	0.7338		19.9	20.0	-0.8	30.0
Pentachloroethane	Ave	0.4449	0.3714		16.7	20.0	-16.5	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X09.D
Lims ID: ICV sm
Client ID:
Sample Type: ICV
Inject. Date: 21-May-2025 18:33:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0147895-010
Misc. Info.: ICV SM
Operator ID: knk41612 Instrument ID: 26285
Sublist:

Method: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 22-May-2025 08:40:39 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1676

First Level Reviewer: JS6E Date: 22-May-2025 02:29:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.561	1.567	-0.006	94	99859	20.0	24.6	
2 Chlorodifluoromethane	51	1.604	1.610	-0.006	98	276509	20.0	21.6	
7 2-Chloro-1,1,1-Trifluoroethane	118	1.903	1.909	-0.006	36	172901	20.0	20.2	
14 Ethanol	45	2.689	2.640	0.049	93	187058	1000.1	885.7	
27 Acetonitrile	41	3.244	3.244	0.000	100	350939	150.0	138.1	
* 29 t-Butyl alcohol-d10 (IS)	65	3.500	3.506	-0.006	29	566919	250.0	250.0	
37 Vinyl acetate	43	4.402	4.408	-0.006	96	1997767	100.0	91.0	a
41 Ethyl acetate	43	5.335	5.347	-0.012	99	231531	20.0	18.6	
$ 51 Dibromofluoromethane (Surr)	113	6.018	6.018	0.000	93	307056	50.0	50.8	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.487	6.493	-0.006	49	67597	50.0	50.3	
61 Isopropyl acetate	43	6.639	6.639	0.000	97	416773	20.0	18.8	
* 63 Fluorobenzene (IS)	96	6.944	6.944	0.000	98	1226219	50.0	50.0	
75 n-Propyl acetate	61	7.999	7.999	0.000	99	79777	20.0	18.4	
$ 84 Toluene-d8 (Surr)	98	9.090	9.090	0.000	95	1126016	50.0	50.5	
93 3,4-Dichloro-1-butene	75	9.932	9.931	0.001	90	146228	20.0	18.7	
99 n-Butyl acetate	43	10.108	10.108	0.000	97	357322	20.0	18.8	
* 128 Chlorobenzene-d5 (IS)	117	10.706	10.706	0.000	89	811977	50.0	50.0	
142 cis-1,4-Dichloro-2-butene	88	11.687	11.687	0.000	0	167967	50.0	48.2	
$ 143 4-Bromofluorobenzene (Surr)	95	11.779	11.779	0.000	86	456979	50.0	52.6	
149 2,3,4-Trichlorobutene	109	12.175	12.175	0.000	0	133777	20.0	19.8	a
155 Pentachloroethane	167	12.401	12.400	0.001	93	67690	20.0	16.7	a
* 163 1,4-Dichlorobenzene-d4	152	12.699	12.699	0.000	97	455680	50.0	50.0	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

MSV_LCS_LKB_00014	Amount Added: 100.00	Units: uL
MSV_LCS_SMFre_00086	Amount Added: 50.00	Units: uL
MSV_LCS_V5ACE_00053	Amount Added: 50.00	Units: uL
MSV_Cent_ISO_00010	Amount Added: 5.00	Units: uL
MSV_LCS_ETOH_00010	Amount Added: 50.00	Units: uL
MSV_LCS_Penta_00056	Amount Added: 50.00	Units: uL

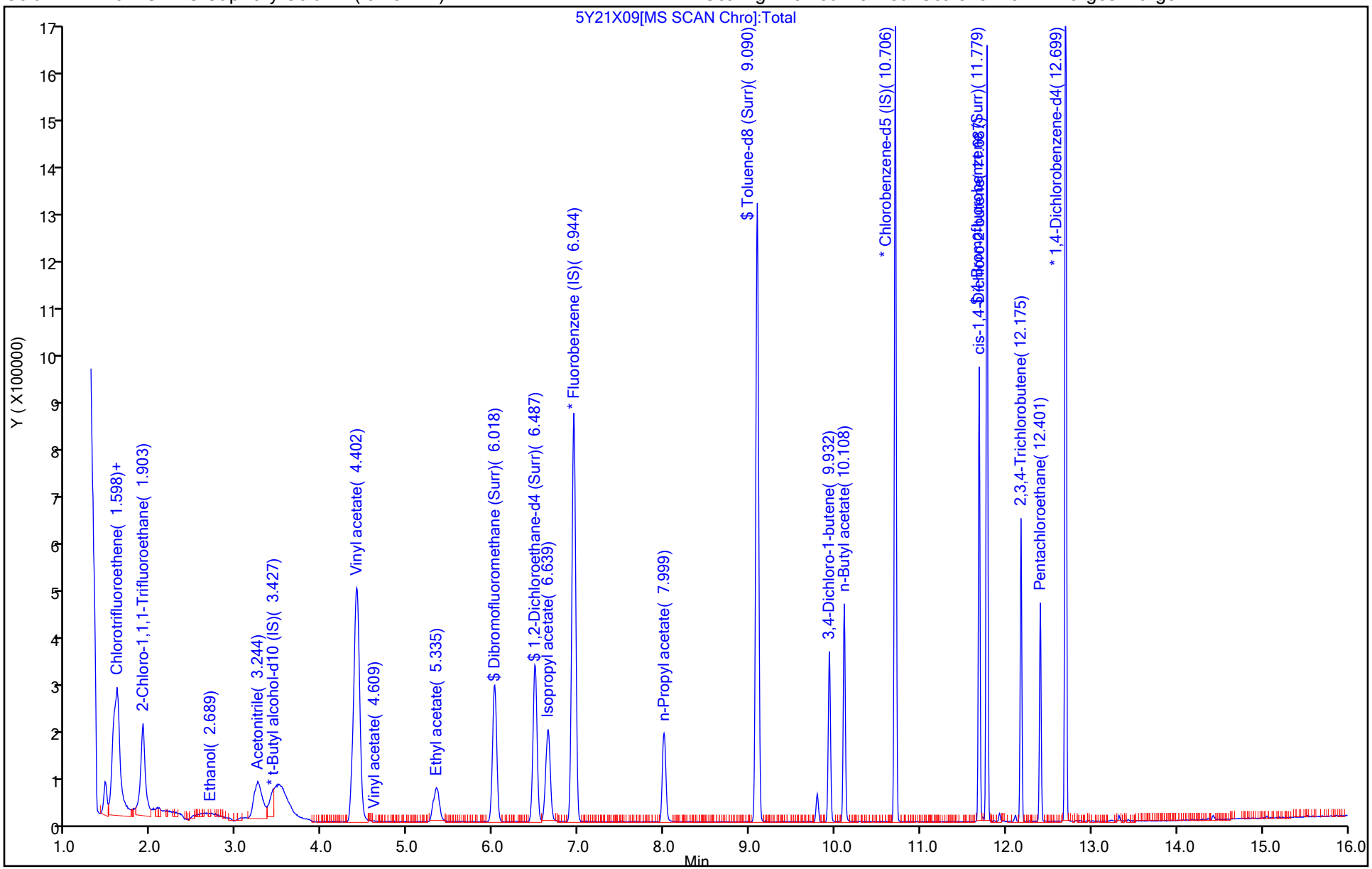
Report Date: 22-May-2025 08:41:22 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X09.D

Injection Date:	21-May-2025 18:33:30	Instrument ID:	26285	Operator ID:	knk41612
Lims ID:	ICV sm			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

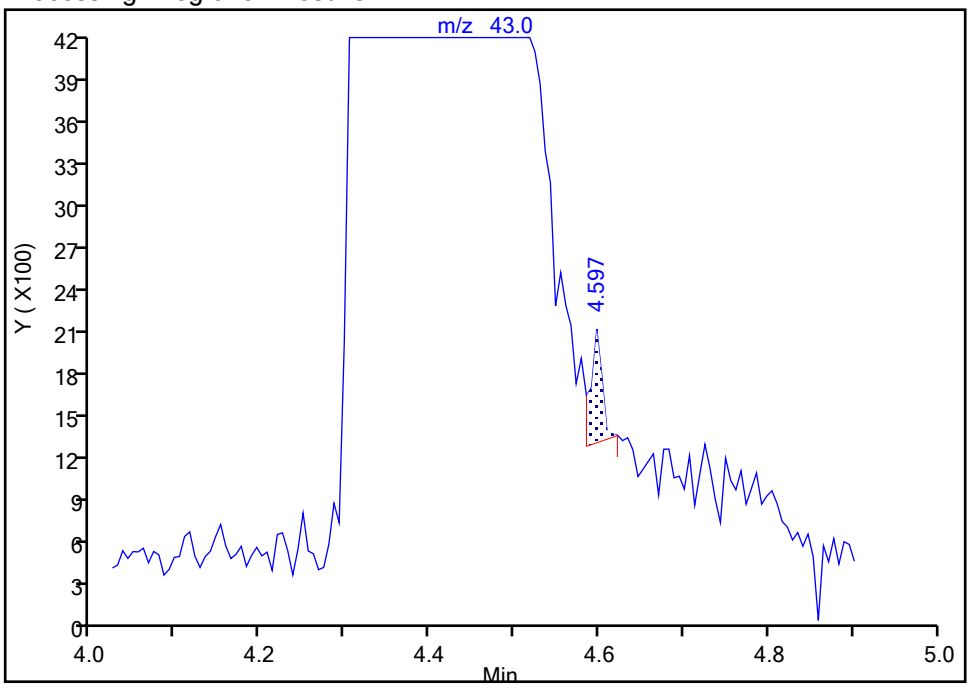
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X09.D
Injection Date: 21-May-2025 18:33:30 Instrument ID: 26285
Lims ID: ICV sm
Client ID:
Operator ID: knk41612 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

37 Vinyl acetate, CAS: 108-05-4

Signal: 1

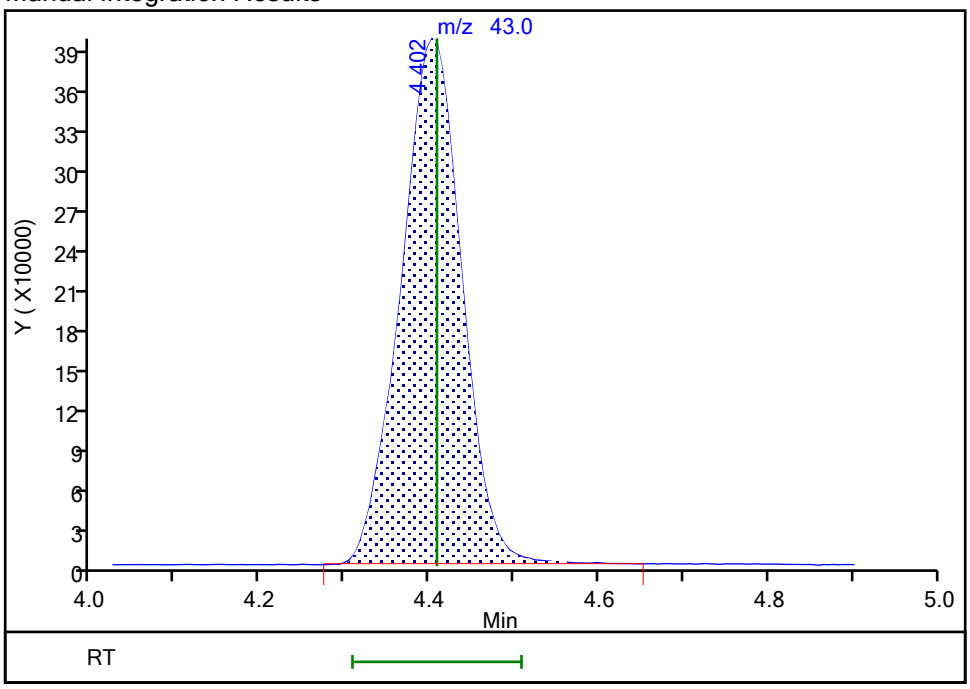
Processing Integration Results

RT: 4.60
Area: 770
Amount: 0.035055
Amount Units: ug/l



Manual Integration Results

RT: 4.40
Area: 1997767
Amount: 90.951294
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 02:29:20 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

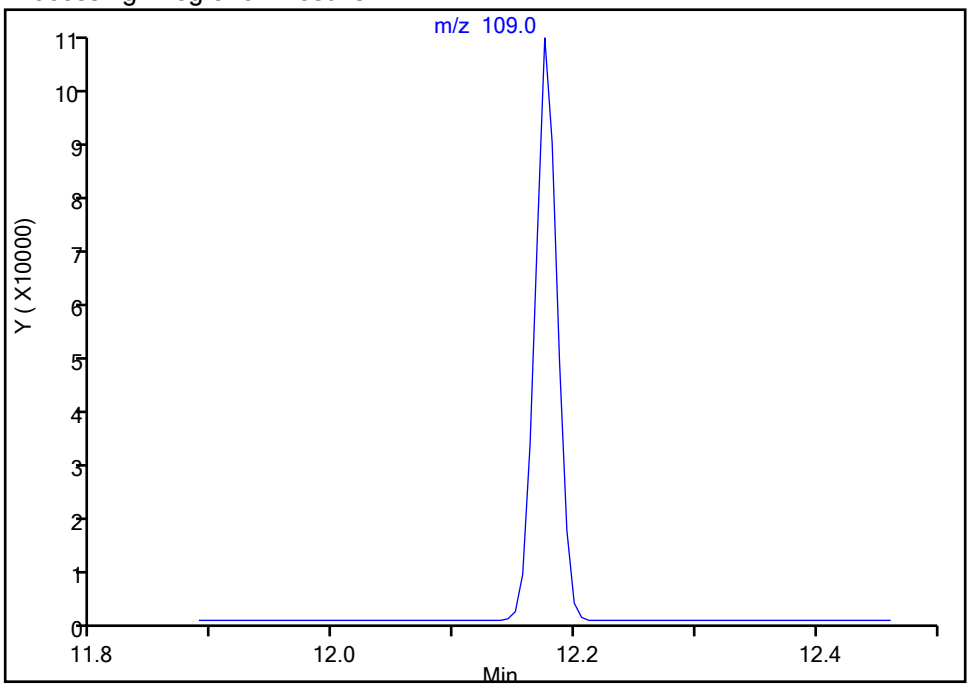
Data File:	\\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X09.D				
Injection Date:	21-May-2025 18:33:30	Instrument ID:	26285		
Lims ID:	ICV sm				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

149 2,3,4-Trichlorobutene, CAS: 2431-50-7

Signal: 1

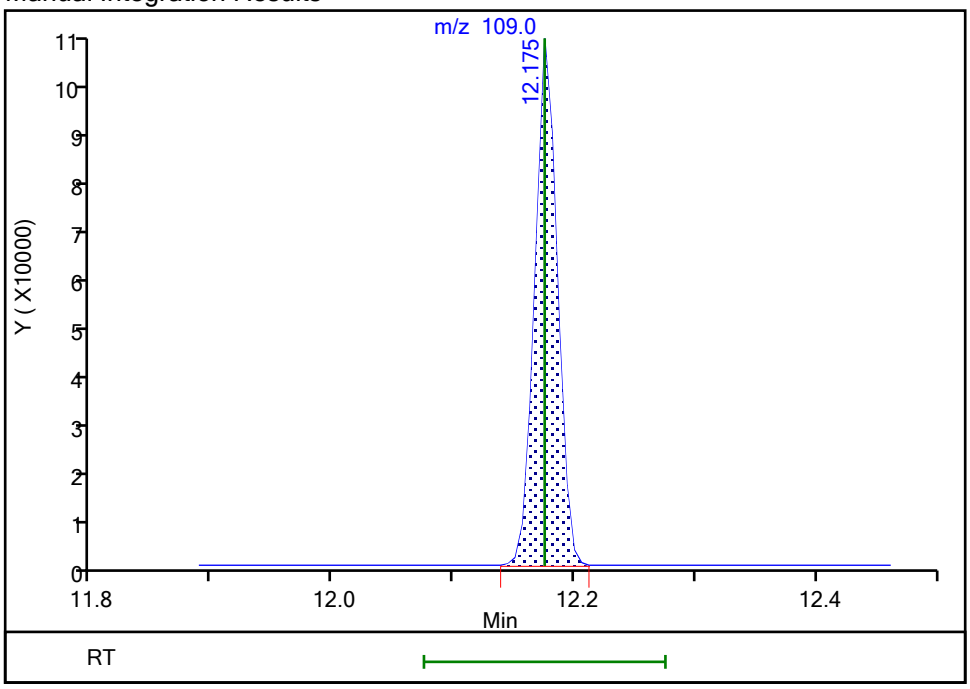
Not Detected
Expected RT: 12.17

Processing Integration Results



Manual Integration Results

RT: 12.17
Area: 133777
Amount: 19.845358
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 02:29:27 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

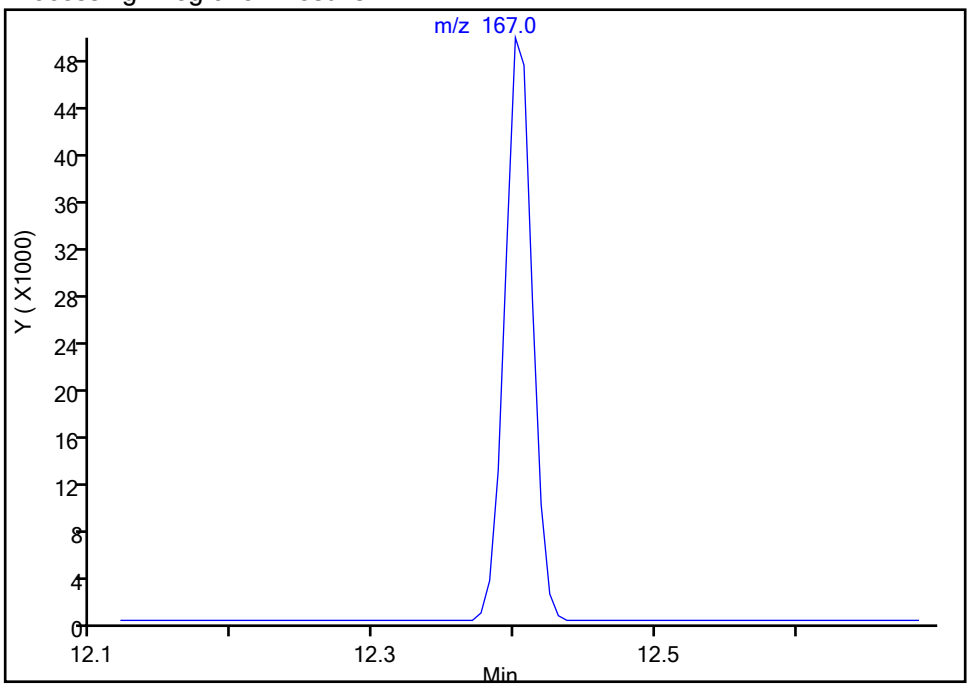
Data File:	\\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X09.D				
Injection Date:	21-May-2025 18:33:30	Instrument ID:	26285		
Lims ID:	ICV sm				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

155 Pentachloroethane, CAS: 76-01-7

Signal: 1

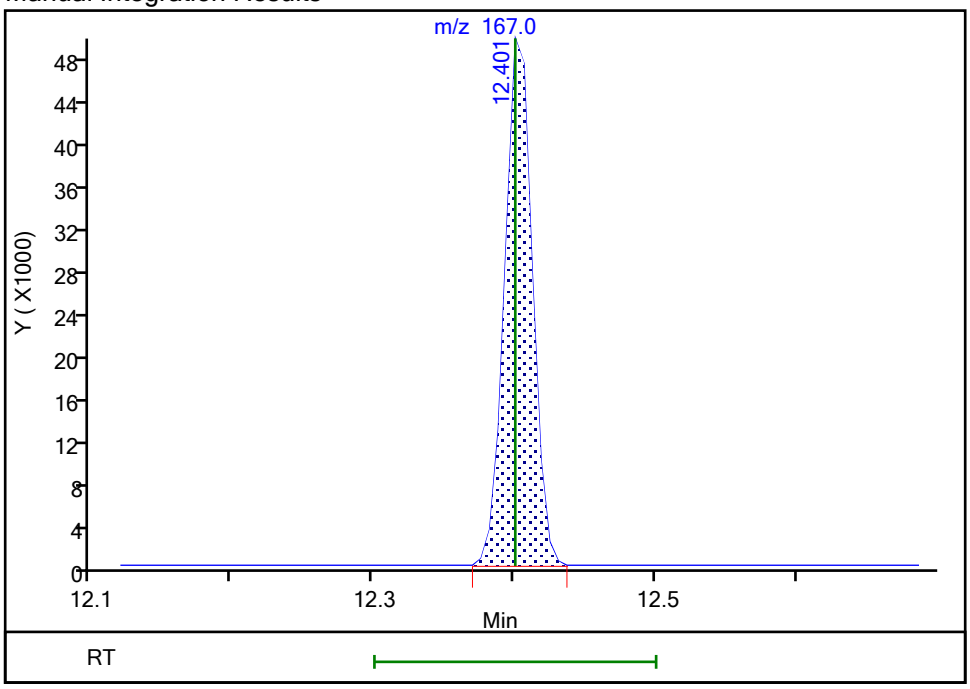
Not Detected
Expected RT: 12.40

Processing Integration Results



Manual Integration Results

RT: 12.40
Area: 67690
Amount: 16.695004
Amount Units: ug/l



Reviewer: DVW2, 22-May-2025 08:38:07 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-647030/20 Calibration Date: 05/21/2025 21:57

Instrument ID: 26285 Calib Start Date: 05/21/2025 19:14

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 05/21/2025 21:16

Lab File ID: 5Y21X19.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4461	0.4906	0.1000	22.0	20.0	10.0	30.0
Chloromethane	Ave	0.5909	0.5958	0.1000	20.2	20.0	0.8	30.0
1,3-Butadiene	Ave	0.6128	0.6393		20.9	20.0	4.3	30.0
Vinyl chloride	Ave	0.4865	0.4997	0.1000	20.5	20.0	2.7	30.0
Bromomethane	Ave	0.3168	0.3158	0.1000	19.9	20.0	-0.3	30.0
Chloroethane	Ave	0.2685	0.2607	0.1000	19.4	20.0	-2.9	30.0
Dichlorofluoromethane	Ave	0.8311	0.7657		18.4	20.0	-7.9	30.0
n-Pentane	Ave	0.5048	0.5148		20.4	20.0	2.0	30.0
Trichlorofluoromethane	Ave	0.4955	0.4928	0.1000	19.9	20.0	-0.6	30.0
Ethyl ether	Ave	0.2486	0.2377		19.0	19.9	-4.4	30.0
Freon 123a	Ave	0.4058	0.3834		18.9	20.0	-5.5	30.0
Acrolein	Ave	1.199	1.289		157	146	7.5	30.0
1,1-Dichloroethene	Ave	0.2328	0.2632	0.1000	22.6	20.0	13.0	30.0
Acetone	Ave	0.5867	0.5670	0.1000	242	250	-3.4	30.0
Freon 113	Ave	0.2675	0.2636	0.1000	19.7	20.0	-1.5	30.0
Methyl iodide	Ave	0.4564	0.4293		18.8	20.0	-5.9	30.0
2-Propanol	Ave	0.6938	0.5845		126	150	-15.8	30.0
Carbon disulfide	Ave	0.9693	0.9330	0.1000	19.3	20.0	-3.7	30.0
Methyl acetate	Ave	0.4013	0.4219	0.1000	21.0	20.0	5.1	30.0
Allyl chloride	Ave	0.5597	0.5250		18.8	20.0	-6.2	30.0
Methylene Chloride	Ave	0.2974	0.3037	0.1000	20.4	20.0	2.1	30.0
t-Butyl alcohol	Ave	1.161	1.068		184	200	-8.0	30.0
Acrylonitrile	Ave	0.2073	0.2024		97.7	100	-2.3	30.0
trans-1,2-Dichloroethene	Ave	0.2533	0.2646	0.1000	20.9	20.0	4.5	30.0
Methyl tertiary butyl ether	Ave	0.9047	0.8614	0.1000	19.0	20.0	-4.8	30.0
n-Hexane	Ave	0.3402	0.3563		21.0	20.0	4.8	30.0
1,1-Dichloroethane	Ave	0.5377	0.5733	0.2000	21.3	20.0	6.6	30.0
Isopropyl ether	Ave	1.087	1.031		19.0	20.0	-5.1	30.0
2-Chloro-1,3-butadiene	Ave	0.4776	0.4549		19.1	20.0	-4.8	30.0
Ethyl t-butyl ether	Ave	0.9563	0.9019		18.9	20.0	-5.7	30.0
2-Butanone	Ave	0.2920	0.2939	0.1000	252	250	0.6	30.0
cis-1,2-Dichloroethene	Ave	0.2987	0.3019	0.1000	20.2	20.0	1.1	30.0
2,2-Dichloropropane	Ave	0.4368	0.4492		20.6	20.0	2.8	30.0
Propionitrile	Ave	0.997	0.9925		149	150	-0.4	30.0
Methyl acrylate	Ave	0.5105	0.5061		19.8	20.0	-0.9	30.0
Methacrylonitrile	Ave	0.1791	0.1764		148	150	-1.5	30.0
Bromochloromethane	Ave	0.1321	0.1355		20.5	20.0	2.6	30.0
Tetrahydrofuran	Ave	0.7876	0.7764		98.6	100	-1.4	30.0
Chloroform	Ave	0.4956	0.4998	0.2000	20.2	20.0	0.8	30.0
1,1,1-Trichloroethane	Ave	0.4195	0.4454	0.1000	21.2	20.0	6.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-647030/20 Calibration Date: 05/21/2025 21:57

Instrument ID: 26285 Calib Start Date: 05/21/2025 19:14

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 05/21/2025 21:16

Lab File ID: 5Y21X19.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Cyclohexane	Ave	0.5265	0.5569	0.1000	21.2	20.0	5.8	30.0
1,1-Dichloropropene	Ave	0.3964	0.4052		20.4	20.0	2.2	30.0
Carbon tetrachloride	Ave	0.3428	0.3643	0.1000	21.3	20.0	6.3	30.0
Isobutyl alcohol	Ave	0.3748	0.3429		458	500	-8.5	30.0
Benzene	Ave	1.164	1.164	0.5000	20.0	20.0	0.0	30.0
1,2-Dichloroethane	Ave	0.3919	0.3929	0.1000	20.1	20.0	0.2	30.0
t-Amyl methyl ether	Ave	0.8550	0.8086		18.9	20.0	-5.4	30.0
n-Heptane	Lin		0.3636		21.5	20.0	7.3	30.0
n-Butanol	Ave	0.2762	0.2466		893	1000	-10.7	30.0
Trichloroethene	Ave	0.2790	0.2781	0.2000	19.9	20.0	-0.3	30.0
Ethyl acrylate	Ave	0.5127	0.5039		19.6	20.0	-1.7	30.0
Methylcyclohexane	Lin1		0.4343	0.1000	18.9	20.0	-5.5	30.0
1,2-Dichloropropane	Ave	0.3178	0.3207	0.1000	20.2	20.0	0.9	30.0
t-Amyl ethyl ether	Ave	0.3827	0.3716		19.4	20.0	-2.9	30.0
1,4-Dioxane	Ave	0.0576	0.0567	0.0050	492	500	-1.6	30.0
Dibromomethane	Ave	0.1793	0.1764		19.7	20.0	-1.6	30.0
Methyl methacrylate	Ave	0.2515	0.2361		18.8	20.0	-6.1	30.0
Bromodichloromethane	Ave	0.3533	0.3590	0.2000	20.3	20.0	1.6	30.0
2-Nitropropane	Ave	1.478	1.398		18.9	20.0	-5.4	30.0
2-Chloroethyl vinyl ether	Ave	0.2041	0.1986		19.5	20.0	-2.7	30.0
cis-1,3-Dichloropropene	Ave	0.4482	0.4323	0.2000	19.3	20.0	-3.6	30.0
4-Methyl-2-pentanone	Ave	0.5897	0.6044	0.1000	256	250	2.5	30.0
Toluene	Ave	0.9558	0.997	0.4000	20.9	20.0	4.3	30.0
trans-1,3-Dichloropropene	Ave	0.5687	0.5723	0.1000	20.1	20.0	0.6	30.0
Ethyl methacrylate	Ave	0.6629	0.6169		18.6	20.0	-6.9	30.0
1,1,2-Trichloroethane	Ave	0.3347	0.3402	0.1000	20.3	20.0	1.6	30.0
Tetrachloroethene	Ave	0.3572	0.3831	0.2000	21.5	20.0	7.3	30.0
1,3-Dichloropropane	Ave	0.5800	0.5794		20.0	20.0	-0.1	30.0
2-Hexanone	Ave	0.6005	0.6134	0.1000	255	250	2.1	30.0
Dibromochloromethane	Ave	0.3547	0.3521		19.9	20.0	-0.7	30.0
1,2-Dibromoethane	Ave	0.3435	0.3429	0.1000	20.0	20.0	-0.2	30.0
1-Chlorohexane	Ave	0.4809	0.4883		20.3	20.0	1.5	30.0
Chlorobenzene	Ave	0.9874	1.020	0.5000	20.7	20.0	3.3	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3775	0.3834		20.3	20.0	1.6	30.0
Ethylbenzene	Ave	1.938	2.031	0.1000	21.0	20.0	4.8	30.0
m&p-Xylene	Ave	0.7023	0.7388	0.1000	42.1	40.0	5.2	30.0
n-Butyl acrylate	Ave	1.118	1.119		20.0	20.0	0.0	30.0
o-Xylene	Ave	0.7287	0.7516	0.3000	20.6	20.0	3.1	30.0
Styrene	Ave	1.141	1.181	0.3000	20.7	20.0	3.5	30.0
Bromoform	Ave	0.2648	0.2570	0.1000	19.4	20.0	-2.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-647030/20 Calibration Date: 05/21/2025 21:57

Instrument ID: 26285 Calib Start Date: 05/21/2025 19:14

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 05/21/2025 21:16

Lab File ID: 5Y21X19.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Isopropylbenzene	Ave	1.647	1.998	0.1000	24.3	20.0	21.3	30.0
Cyclohexanone	Ave	0.2312	0.2641		571	500	14.2	30.0
1,1,2,2-Tetrachloroethane	Ave	1.306	1.290	0.3000	19.8	20.0	-1.2	30.0
Bromobenzene	Ave	0.7515	0.7770		20.7	20.0	3.4	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3946	0.3838		97.3	100	-2.7	30.0
1,2,3-Trichloropropane	Ave	0.3316	0.3205		19.3	20.0	-3.4	30.0
N-Propylbenzene	Ave	4.105	4.391		21.4	20.0	7.0	30.0
2-Chlorotoluene	Ave	0.7729	0.8012		20.7	20.0	3.7	30.0
1,3,5-Trimethylbenzene	Ave	2.778	2.963		21.3	20.0	6.7	30.0
4-Chlorotoluene	Ave	0.7507	0.7566		20.2	20.0	0.8	30.0
tert-Butylbenzene	Ave	0.4530	0.4611		20.4	20.0	1.8	30.0
1,2,4-Trimethylbenzene	Ave	2.874	3.013		21.0	20.0	4.8	30.0
sec-Butylbenzene	Ave	3.162	3.444		21.8	20.0	8.9	30.0
1,3-Dichlorobenzene	Ave	1.404	1.431	0.6000	20.4	20.0	1.9	30.0
p-Isopropyltoluene	Ave	2.676	2.812		21.0	20.0	5.1	30.0
1,4-Dichlorobenzene	Ave	1.410	1.420	0.5000	20.1	20.0	0.7	30.0
1,2,3-Trimethylbenzene	Ave	2.955	2.926		19.8	20.0	-1.0	30.0
Benzyl chloride	Ave	2.461	2.333		19.0	20.0	-5.2	30.0
1,3-Diethylbenzene	Ave	1.505	1.626		21.6	20.0	8.0	30.0
1,4-Diethylbenzene	Ave	1.586	1.676		21.1	20.0	5.6	30.0
n-Butylbenzene	Ave	1.366	1.468		21.5	20.0	7.4	30.0
1,2-Dichlorobenzene	Ave	1.445	1.497	0.4000	20.7	20.0	3.6	30.0
1,2-Diethylbenzene	Ave	1.273	1.301		20.4	20.0	2.2	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.3584	0.3448	0.0500	19.2	20.0	-3.8	30.0
1,3,5-Trichlorobenzene	Ave	0.9172	0.9489		20.7	20.0	3.5	30.0
1,2,4-Trichlorobenzene	Ave	0.8983	0.9451	0.2000	21.0	20.0	5.2	30.0
2-Ethylhexyl acrylate	Ave	1.309	1.376		21.1	20.1	5.2	30.0
Hexachlorobutadiene	Ave	0.2962	0.3566		24.1	20.0	20.4	30.0
Naphthalene	Ave	4.010	4.051		20.2	20.0	1.0	30.0
1,2,3-Trichlorobenzene	Ave	0.9047	0.9218		20.4	20.0	1.9	30.0
2-Methylnaphthalene	Ave	1.809	2.012		22.3	20.0	11.3	30.0
Dibromofluoromethane (Surr)	Ave	0.2463	0.2431		49.4	50.0	-1.3	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0548	0.0547		49.9	50.0	-0.2	30.0
Toluene-d8 (Surr)	Ave	1.372	1.362		49.6	50.0	-0.8	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5351	0.5371		50.2	50.0	0.4	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X19.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 21-May-2025 21:57:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0147895-020
Misc. Info.: ICV
Operator ID: knk41612 Instrument ID: 26285
Sublist:

Method: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 22-May-2025 02:42:38 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1705

First Level Reviewer: JS6E Date: 22-May-2025 02:34:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.592	1.598	-0.006	77	242400	20.0	22.0	
4 Chloromethane	50	1.762	1.768	-0.006	99	294375	20.0	20.2	
5 Butadiene	39	1.836	1.842	-0.006	97	315887	20.0	20.9	
6 Vinyl chloride	62	1.860	1.866	-0.006	98	246892	20.0	20.5	
9 Bromomethane	94	2.140	2.146	-0.006	91	156061	20.0	19.9	
10 Chloroethane	64	2.171	2.177	-0.006	99	128830	20.0	19.4	
11 Dichlorofluoromethane	67	2.366	2.384	-0.018	97	378348	20.0	18.4	
12 Pentane	43	2.445	2.451	-0.006	97	254351	20.0	20.4	
13 Trichlorofluoromethane	101	2.451	2.463	-0.012	98	243495	20.0	19.9	
15 Ethyl ether	59	2.616	2.622	-0.006	97	116618	19.9	19.0	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.713	2.713	0.000	96	189442	20.0	18.9	
17 Acrolein	56	2.768	2.768	0.000	99	406918	146.3	157.3	
18 1,1-Dichloroethene	96	2.878	2.884	-0.006	93	130026	20.0	22.6	
19 Acetone	58	2.909	2.921	-0.013	99	305852	250.0	241.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.909	2.927	-0.019	45	130245	20.0	19.7	
21 Iodomethane	142	3.043	3.061	-0.018	99	212139	20.0	18.8	
22 Isopropyl alcohol	45	3.061	3.073	-0.012	94	189160	150.0	126.4	
23 Carbon disulfide	76	3.122	3.128	-0.006	100	460999	20.0	19.3	
25 Methyl acetate	43	3.256	3.256	0.000	99	208489	20.0	21.0	
26 3-Chloro-1-propene	41	3.262	3.274	-0.012	90	259413	20.0	18.8	
28 Methylene Chloride	84	3.427	3.439	-0.012	98	150074	20.0	20.4	
* 29 t-Butyl alcohol-d10 (IS)	65	3.494	3.500	-0.006	96	539393	250.0	250.0	
30 2-Methyl-2-propanol	59	3.610	3.591	0.019	100	460989	200.0	184.0	
31 Acrylonitrile	53	3.719	3.713	0.006	98	500039	100.0	97.7	
32 trans-1,2-Dichloroethene	96	3.768	3.768	0.000	93	130749	20.0	20.9	
33 Methyl tert-butyl ether	73	3.774	3.780	-0.006	93	425606	20.0	19.0	
34 Hexane	57	4.158	4.152	0.006	96	176069	20.0	21.0	
36 1,1-Dichloroethane	63	4.390	4.390	0.000	96	283282	20.0	21.3	
38 Isopropyl ether	45	4.457	4.457	0.000	97	509307	20.0	19.0	
39 2-Chloro-1,3-butadiene	53	4.500	4.506	-0.006	93	224754	20.0	19.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Tert-butyl ethyl ether	59	5.024	5.030	-0.006	99	445625	20.0	18.9	
42 2-Butanone (MEK)	43	5.268	5.268	0.000	99	1815246	250.0	251.6	
43 cis-1,2-Dichloroethene	96	5.274	5.274	0.000	84	149190	20.0	20.2	
44 2,2-Dichloropropane	77	5.286	5.292	-0.006	90	221948	20.0	20.6	
45 Propionitrile	54	5.365	5.371	-0.006	95	321222	150.0	149.4	
46 Methyl acrylate	55	5.390	5.402	-0.012	99	249864	20.0	19.8	
47 Methacrylonitrile	67	5.585	5.585	0.000	96	653686	150.0	147.8	
48 Chlorobromomethane	128	5.621	5.621	0.000	90	66967	20.0	20.5	
49 Tetrahydrofuran	71	5.640	5.634	0.006	92	167514	100.0	98.6	
50 Chloroform	83	5.792	5.792	0.000	95	246978	20.0	20.2	
52 1,1,1-Trichloroethane	97	6.012	6.011	0.001	98	220098	20.0	21.2	
$ 51 Dibromofluoromethane (Surr)	113	6.018	6.018	0.000	93	300314	50.0	49.4	
53 Cyclohexane	56	6.103	6.103	0.000	96	275153	20.0	21.2	
55 Carbon tetrachloride	117	6.231	6.231	0.000	97	180009	20.0	21.3	
56 1,1-Dichloropropene	75	6.231	6.237	-0.006	92	200193	20.0	20.4	
57 Isobutyl alcohol	41	6.463	6.475	-0.012	92	369940	500.0	457.5	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.487	6.493	-0.006	88	67596	50.0	49.9	
59 Benzene	78	6.511	6.517	-0.006	96	575076	20.0	20.0	
60 1,2-Dichloroethane	62	6.597	6.597	0.000	97	194128	20.0	20.0	
62 Tert-amyl methyl ether	73	6.719	6.725	-0.006	98	399561	20.0	18.9	
* 63 Fluorobenzene (IS)	96	6.944	6.944	0.000	97	1235279	50.0	50.0	
64 n-Heptane	43	6.963	6.969	-0.006	99	179667	20.0	21.5	
65 n-Butanol	56	7.371	7.389	-0.018	93	532123	1000.0	893.1	
66 Trichloroethene	95	7.438	7.444	-0.006	96	137413	20.0	19.9	
67 Ethyl acrylate	55	7.597	7.597	0.000	98	248667	20.0	19.6	
68 Methylcyclohexane	83	7.755	7.749	0.006	94	214590	20.0	18.9	
69 1,2-Dichloropropane	63	7.792	7.798	-0.006	96	158475	20.0	20.2	
70 2-ethoxy-2-methyl butane	87	7.816	7.816	0.000	87	183603	20.0	19.4	
72 1,4-Dioxane	88	7.889	7.901	-0.012	40	61197	500.0	492.2	
73 Dibromomethane	93	7.908	7.907	0.001	89	87178	20.0	19.7	
74 Methyl methacrylate	69	7.908	7.907	0.001	95	116663	20.0	18.8	
76 Dichlorobromomethane	83	8.164	8.164	0.000	98	177385	20.0	20.3	
77 2-Nitropropane	41	8.462	8.462	0.000	98	60344	20.0	18.9	
78 2-Chloroethyl vinyl ether	63	8.560	8.560	0.000	92	98152	20.0	19.5	
79 cis-1,3-Dichloropropene	75	8.743	8.749	-0.006	92	213596	20.0	19.3	
83 4-Methyl-2-pentanone (MIBK)	43	8.962	8.956	0.006	98	3733235	250.0	256.2	
$ 84 Toluene-d8 (Surr)	98	9.090	9.090	0.000	95	1145224	50.0	49.6	
85 Toluene	92	9.176	9.176	0.000	98	335158	20.0	20.9	
86 trans-1,3-Dichloropropene	75	9.493	9.493	0.001	97	192469	20.0	20.1	
87 Ethyl methacrylate	69	9.578	9.572	0.006	93	207462	20.0	18.6	
88 1,1,2-Trichloroethane	97	9.712	9.712	0.000	92	114407	20.0	20.3	
89 Tetrachloroethene	166	9.791	9.791	0.000	96	128859	20.0	21.5	
91 1,3-Dichloropropane	76	9.889	9.889	0.000	96	194853	20.0	20.0	
92 2-Hexanone	43	9.968	9.968	0.000	99	2578527	250.0	255.4	
100 Chlorodibromomethane	129	10.121	10.120	0.001	91	118403	20.0	19.9	
101 Ethylene Dibromide	107	10.230	10.230	0.000	97	115330	20.0	20.0	
* 128 Chlorobenzene-d5 (IS)	117	10.706	10.706	0.000	88	840800	50.0	50.0	
130 Chlorobenzene	112	10.736	10.730	0.006	91	343183	20.0	20.7	
129 1-Chlorohexane	91	10.730	10.730	0.000	87	164231	20.0	20.3	
131 1,1,1,2-Tetrachloroethane	131	10.828	10.828	0.000	95	128952	20.0	20.3	
132 Ethylbenzene	91	10.834	10.834	0.000	99	683021	20.0	21.0	
133 m-Xylene & p-Xylene	106	10.956	10.962	-0.006	99	496921	40.0	42.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
134 n-Butyl acrylate	55	11.279	11.279	0.000	95	376045	20.0	20.0	
136 o-Xylene	106	11.309	11.309	0.000	98	252777	20.0	20.6	
137 Styrene	104	11.328	11.328	0.000	94	397256	20.0	20.7	
138 Bromoform	173	11.486	11.486	0.000	95	86446	20.0	19.4	
139 Isopropylbenzene	105	11.632	11.632	0.000	96	672097	20.0	24.3	
141 Cyclohexanone	55	11.706	11.705	0.001	96	284877	500.0	571.1	
$ 143 4-Bromofluorobenzene (Surr)	95	11.779	11.779	0.000	86	451595	50.0	50.2	
144 Bromobenzene	156	11.895	11.894	0.001	97	139097	20.0	20.7	
145 1,1,2,2-Tetrachloroethane	83	11.895	11.894	0.001	93	230992	20.0	19.8	
146 trans-1,4-Dichloro-2-butene	53	11.925	11.925	0.000	91	343507	100.0	97.3	
147 1,2,3-Trichloropropane	110	11.937	11.937	0.000	85	57366	20.0	19.3	
148 N-Propylbenzene	91	11.974	11.974	0.000	99	786015	20.0	21.4	
150 2-Chlorotoluene	126	12.053	12.047	0.006	95	143423	20.0	20.7	a
152 1,3,5-Trimethylbenzene	105	12.126	12.126	0.000	95	530447	20.0	21.3	
153 4-Chlorotoluene	126	12.151	12.151	0.000	99	135442	20.0	20.2	
154 tert-Butylbenzene	134	12.376	12.370	0.006	94	82544	20.0	20.4	
156 1,2,4-Trimethylbenzene	105	12.419	12.419	0.000	98	539280	20.0	21.0	
158 sec-Butylbenzene	105	12.547	12.541	0.006	95	616442	20.0	21.8	
159 1,3-Dichlorobenzene	146	12.638	12.638	0.000	97	256085	20.0	20.4	
160 4-Isopropyltoluene	119	12.663	12.657	0.006	97	503435	20.0	21.0	
* 163 1,4-Dichlorobenzene-d4	152	12.699	12.699	0.000	96	447526	50.0	50.0	
164 1,4-Dichlorobenzene	146	12.718	12.717	0.001	94	254176	20.0	20.1	
165 1,2,3-Trimethylbenzene	105	12.736	12.730	0.006	99	523757	20.0	19.8	
166 Benzyl chloride	91	12.803	12.797	0.006	99	417682	20.0	19.0	
167 1,3-Diethylbenzene	119	12.870	12.870	0.000	95	290987	20.0	21.6	
168 p-Diethylbenzene	119	12.943	12.943	0.000	94	299952	20.0	21.1	
169 n-Butylbenzene	92	12.961	12.961	0.000	99	262726	20.0	21.5	
171 1,2-Dichlorobenzene	146	12.986	12.986	0.000	96	268026	20.0	20.7	
172 o-diethylbenzene	119	13.016	13.016	0.000	98	232924	20.0	20.4	
173 1,2-Dibromo-3-Chloropropane	75	13.547	13.547	0.000	78	61716	20.0	19.2	
175 1,3,5-Trichlorobenzene	180	13.675	13.675	0.000	96	169863	20.0	20.7	
176 1,2,4-Trichlorobenzene	180	14.114	14.114	0.000	94	169178	20.0	21.0	
177 2-Ethylhexyl acrylate	55	14.193	14.187	0.006	83	246980	20.1	21.1	
178 Hexachlorobutadiene	225	14.199	14.199	0.000	93	63828	20.0	24.1	
179 Naphthalene	128	14.297	14.296	0.001	98	725182	20.0	20.2	
180 1,2,3-Trichlorobenzene	180	14.443	14.443	0.000	94	165003	20.0	20.4	
181 2-Methylnaphthalene	142	15.052	15.052	0.000	92	360236	20.0	22.3	a

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MSV_LCS_VOC#1_00220	Amount Added:	50.00	Units: uL	
MSV_LCS_2CEVE_00229	Amount Added:	50.00	Units: uL	
MSV_LCS_EE_00011	Amount Added:	50.00	Units: uL	
MSV_LCS_CYC_00011	Amount Added:	50.00	Units: uL	
MSV_LCS_Gases_00251	Amount Added:	50.00	Units: uL	
MSV_LCS_ACROL_00227	Amount Added:	50.00	Units: uL	
MSV_Q_Acr_Std_00012	Amount Added:	2.00	Units: uL	
MSV_Cent_ISSS_00041	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-May-2025 02:42:44 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X19.D

Injection Date: 21-May-2025 21:57:30 Instrument ID: 26285 Operator ID: knk41612

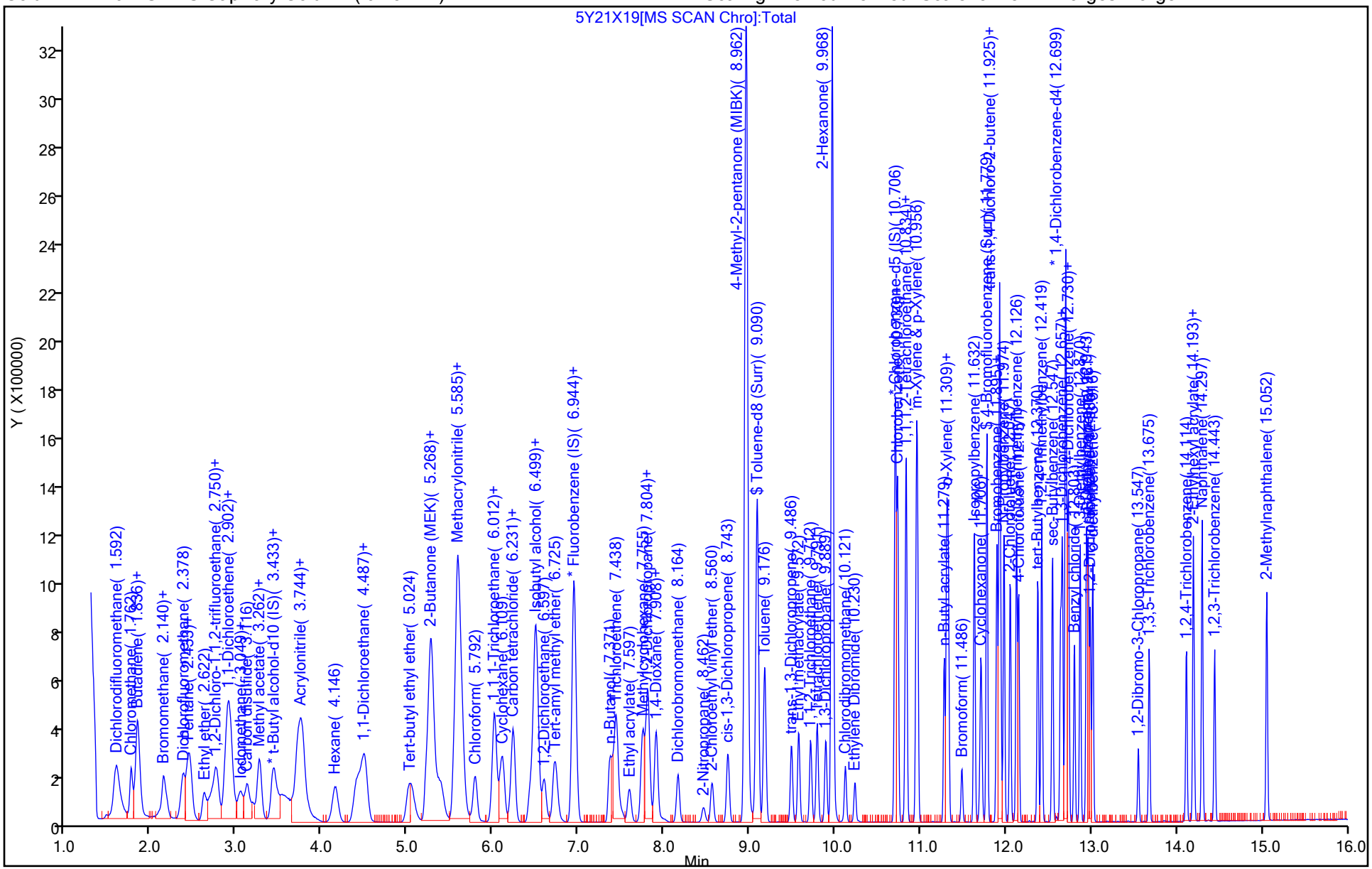
Lims ID: ICV Worklist Smp#: 20

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 19

Method: MSVoa_26285a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

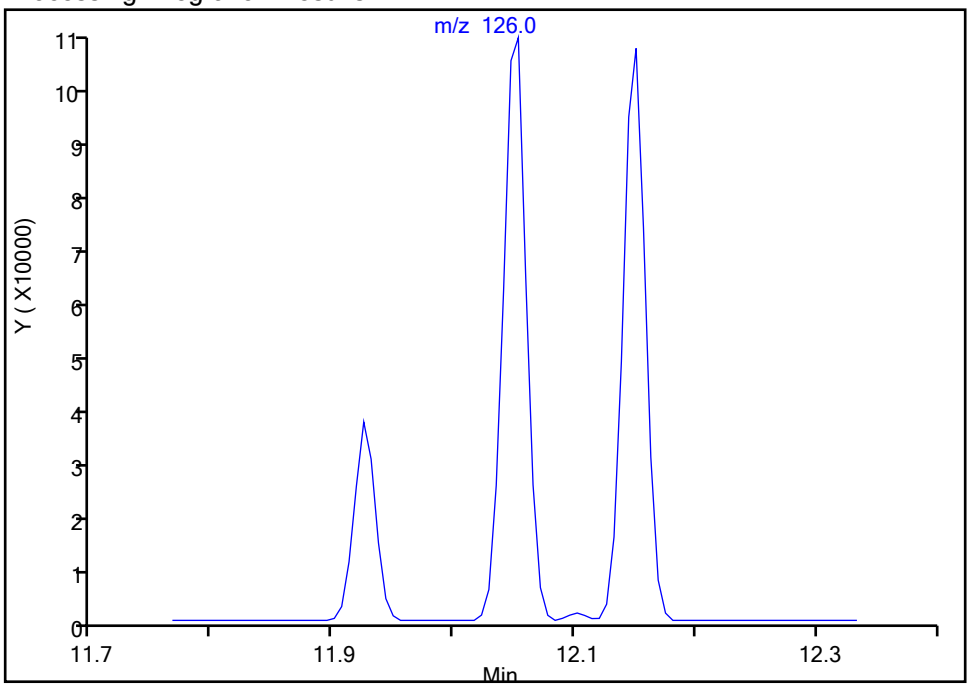
Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X19.D
Injection Date: 21-May-2025 21:57:30 Instrument ID: 26285
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

150 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

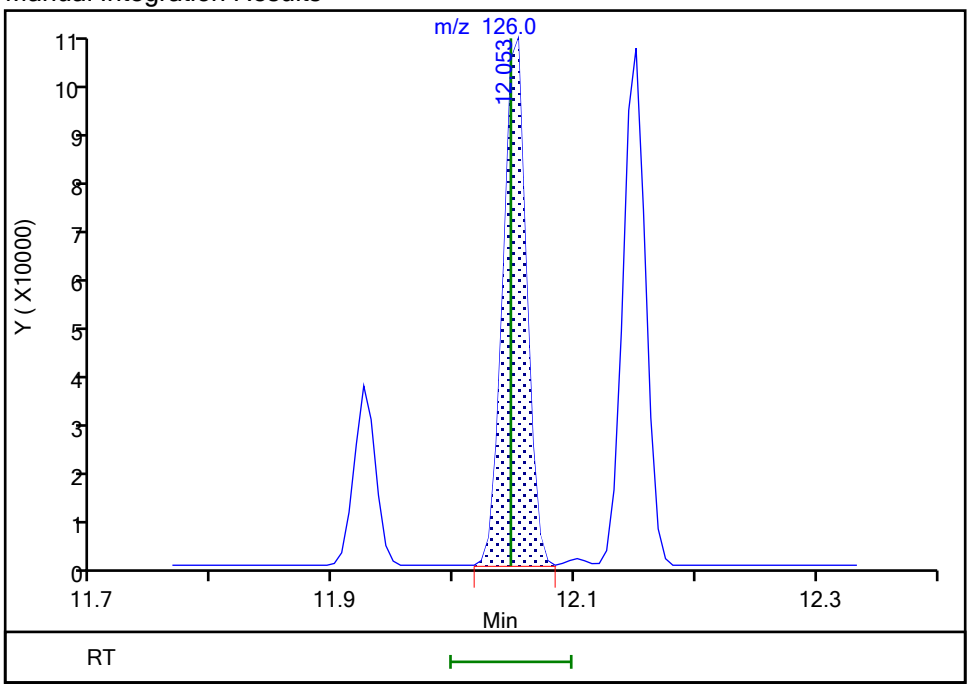
Not Detected
Expected RT: 12.05

Processing Integration Results



Manual Integration Results

RT: 12.05
Area: 143423
Amount: 20.732554
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 02:30:03 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

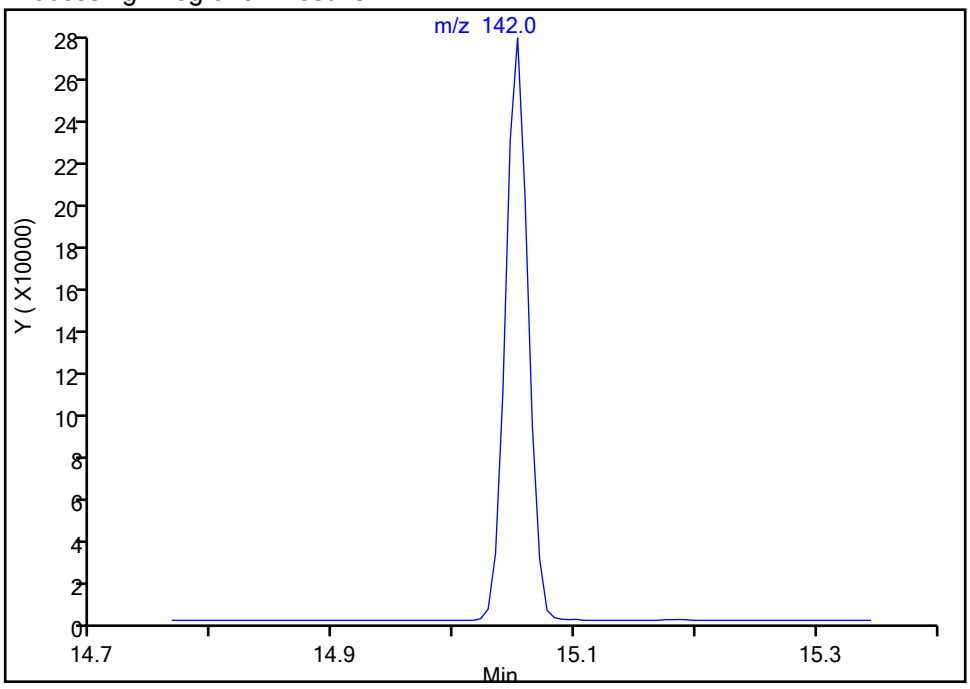
Data File:	\\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X19.D				
Injection Date:	21-May-2025 21:57:30	Instrument ID:	26285		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

181 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

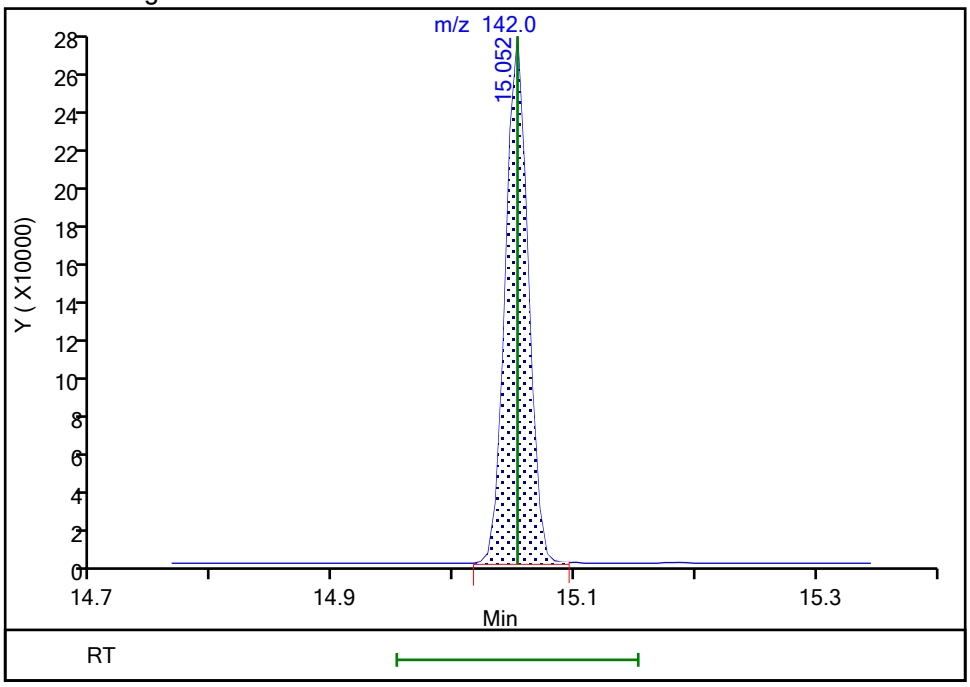
Not Detected
Expected RT: 15.05

Processing Integration Results



Manual Integration Results

RT: 15.05
Area: 360236
Amount: 22.252928
Amount Units: ug/l



Reviewer: JS6E, 22-May-2025 02:30:20 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-681349/3 Calibration Date: 08/06/2025 09:02

Instrument ID: 26285 Calib Start Date: 05/21/2025 19:14

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 05/21/2025 21:16

Lab File ID: 5G06X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4461	0.6225	0.1000	69.8	50.0	39.6*	20.0
Chloromethane	Ave	0.5909	0.5549	0.1000	47.0	50.0	-6.1	20.0
1,3-Butadiene	Ave	0.6128	0.4497		36.7	50.0	-26.6*	20.0
Vinyl chloride	Ave	0.4865	0.4870	0.1000	50.1	50.0	0.1	20.0
Bromomethane	Ave	0.3168	0.3369	0.1000	53.2	50.0	6.4	20.0
Chloroethane	Ave	0.2685	0.2635	0.1000	49.1	50.0	-1.9	20.0
Dichlorofluoromethane	Ave	0.8311	0.7756		46.7	50.0	-6.7	20.0
Trichlorofluoromethane	Ave	0.4955	0.6172	0.1000	62.3	50.0	24.5*	20.0
n-Pentane	Ave	0.5048	0.4184		41.5	50.0	-17.1	20.0
Freon 123a	Ave	0.4058	0.3990		49.2	50.0	-1.7	20.0
Acrolein	Ave	1.199	1.486		605	488	24.0*	20.0
1,1-Dichloroethene	Ave	0.2328	0.2404	0.1000	51.6	50.0	3.3	20.0
Acetone	Ave	0.5867	0.6629	0.1000	113	100	13.0	20.0
Freon 113	Ave	0.2675	0.2634	0.1000	49.2	50.0	-1.5	20.0
Methyl iodide	Ave	0.4564	0.4940		54.1	50.0	8.2	20.0
2-Propanol	Ave	0.6938	0.5674		205	250	-18.2	20.0
Carbon disulfide	Ave	0.9693	0.8646	0.1000	44.6	50.0	-10.8	20.0
Methyl acetate	Ave	0.4013	0.3255	0.1000	40.6	50.0	-18.9	20.0
Allyl chloride	Ave	0.5597	0.4166		37.2	50.0	-25.6*	20.0
Methylene Chloride	Ave	0.2974	0.2961	0.1000	49.8	50.0	-0.5	20.0
t-Butyl alcohol	Ave	1.161	1.061		228	250	-8.6	20.0
Acrylonitrile	Ave	0.2073	0.1740		105	125	-16.0	20.0
trans-1,2-Dichloroethene	Ave	0.2533	0.2635	0.1000	52.0	50.0	4.0	20.0
Methyl tertiary butyl ether	Ave	0.9047	0.7385	0.1000	40.8	50.0	-18.4	20.0
n-Hexane	Ave	0.3402	0.3113		45.8	50.0	-8.5	20.0
1,1-Dichloroethane	Ave	0.5377	0.4869	0.2000	45.3	50.0	-9.5	20.0
Isopropyl ether	Ave	1.087	0.8245		37.9	50.0	-24.1*	20.0
2-Chloro-1,3-butadiene	Ave	0.4776	0.4053		42.4	50.0	-15.1	20.0
Ethyl t-butyl ether	Ave	0.9563	0.7153		37.4	50.0	-25.2*	20.0
2-Butanone	Ave	0.2920	0.2129	0.1000	72.9	100	-27.1*	20.0
cis-1,2-Dichloroethene	Ave	0.2987	0.2752	0.1000	46.1	50.0	-7.9	20.0
2,2-Dichloropropane	Ave	0.4368	0.3630		41.6	50.0	-16.9	20.0
Propionitrile	Ave	0.997	1.026		257	250	2.9	20.0
Methacrylonitrile	Ave	0.1791	0.1472		103	125	-17.8	20.0
Bromochloromethane	Ave	0.1321	0.1348		51.0	50.0	2.1	20.0
Tetrahydrofuran	Ave	0.7876	0.9120		290	250	15.8	20.0
Chloroform	Ave	0.4956	0.4883	0.2000	49.3	50.0	-1.5	20.0
1,1,1-Trichloroethane	Ave	0.4195	0.4124	0.1000	49.2	50.0	-1.7	20.0
Cyclohexane	Ave	0.5265	0.4507	0.1000	42.8	50.0	-14.4	20.0
Carbon tetrachloride	Ave	0.3428	0.3599	0.1000	52.5	50.0	5.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-681349/3 Calibration Date: 08/06/2025 09:02

Instrument ID: 26285 Calib Start Date: 05/21/2025 19:14

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 05/21/2025 21:16

Lab File ID: 5G06X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1-Dichloropropene	Ave	0.3964	0.3664		46.2	50.0	-7.6	20.0
Isobutyl alcohol	Ave	0.3748	0.3303		551	625	-11.9	20.0
Benzene	Ave	1.164	1.098	0.5000	47.2	50.0	-5.6	20.0
1,2-Dichloroethane	Ave	0.3919	0.3776	0.1000	48.2	50.0	-3.7	20.0
t-Amyl methyl ether	Ave	0.8550	0.6843		40.0	50.0	-20.0	20.0
n-Heptane	Lin		0.3004		42.7	50.0	-14.6	20.0
n-Butanol	Ave	0.2762	0.2138		484	625	-22.6*	20.0
Trichloroethene	Ave	0.2790	0.2803	0.2000	50.2	50.0	0.5	20.0
Methylcyclohexane	Lin1		0.3861	0.1000	41.0	50.0	-18.0	20.0
1,2-Dichloropropane	Ave	0.3178	0.2571	0.1000	40.5	50.0	-19.1	20.0
t-Amyl ethyl ether	Ave	0.3827	0.3043		39.8	50.0	-20.5*	20.0
1,4-Dioxane	Ave	0.0576	0.0578	0.0050	627	625	0.3	20.0
Dibromomethane	Ave	0.1793	0.1696		47.3	50.0	-5.4	20.0
Methyl methacrylate	Ave	0.2515	0.1907		37.9	50.0	-24.2*	20.0
Bromodichloromethane	Ave	0.3533	0.3323	0.2000	47.0	50.0	-5.9	20.0
2-Nitropropane	Ave	1.478	1.760		298	250	19.0	20.0
2-Chloroethyl vinyl ether	Ave	0.2041	0.1617		39.6	50.0	-20.8*	20.0
cis-1,3-Dichloropropene	Ave	0.4482	0.4116	0.2000	45.9	50.0	-8.2	20.0
4-Methyl-2-pentanone	Ave	0.5897	0.4775	0.1000	81.0	100	-19.0	20.0
Toluene	Ave	0.9558	0.9777	0.4000	51.1	50.0	2.3	20.0
trans-1,3-Dichloropropene	Ave	0.5687	0.5102	0.1000	44.9	50.0	-10.3	20.0
Ethyl methacrylate	Ave	0.6629	0.5255		39.6	50.0	-20.7*	20.0
1,1,2-Trichloroethane	Ave	0.3347	0.3379	0.1000	50.5	50.0	1.0	20.0
Tetrachloroethene	Ave	0.3572	0.4151	0.2000	58.1	50.0	16.2	20.0
1,3-Dichloropropane	Ave	0.5800	0.5409		46.6	50.0	-6.7	20.0
2-Hexanone	Ave	0.6005	0.4669	0.1000	77.8	100	-22.2*	20.0
Dibromochloromethane	Ave	0.3547	0.4049		57.1	50.0	14.2	20.0
1,2-Dibromoethane	Ave	0.3435	0.3402	0.1000	49.5	50.0	-1.0	20.0
1-Chlorohexane	Ave	0.4809	0.4491		46.7	50.0	-6.6	20.0
Chlorobenzene	Ave	0.9874	1.018	0.5000	51.5	50.0	3.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3775	0.4120		54.6	50.0	9.2	20.0
Ethylbenzene	Ave	1.938	1.896	0.1000	48.9	50.0	-2.2	20.0
m&p-Xylene	Ave	0.7023	0.7251	0.1000	103	100	3.2	20.0
o-Xylene	Ave	0.7287	0.7530	0.3000	51.7	50.0	3.3	20.0
Styrene	Ave	1.141	1.135	0.3000	49.7	50.0	-0.5	20.0
Bromoform	Ave	0.2648	0.2943	0.1000	55.6	50.0	11.1	20.0
Isopropylbenzene	Ave	1.647	1.955	0.1000	59.4	50.0	18.7	20.0
Bromobenzene	Ave	0.7515	0.8180		54.4	50.0	8.8	20.0
1,1,2,2-Tetrachloroethane	Ave	1.306	1.233	0.3000	47.2	50.0	-5.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3946	0.3150		99.8	125	-20.2*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-681349/3 Calibration Date: 08/06/2025 09:02

Instrument ID: 26285 Calib Start Date: 05/21/2025 19:14

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 05/21/2025 21:16

Lab File ID: 5G06X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichloropropane	Ave	0.3316	0.3357		50.6	50.0	1.2	20.0
N-Propylbenzene	Ave	4.105	4.234		51.6	50.0	3.2	20.0
2-Chlorotoluene	Ave	0.7729	0.8342		54.0	50.0	7.9	20.0
1,3,5-Trimethylbenzene	Ave	2.778	2.987		53.8	50.0	7.5	20.0
4-Chlorotoluene	Ave	0.7507	0.7746		51.6	50.0	3.2	20.0
tert-Butylbenzene	Ave	0.4530	0.5122		56.5	50.0	13.1	20.0
1,2,4-Trimethylbenzene	Ave	2.874	3.103		54.0	50.0	8.0	20.0
sec-Butylbenzene	Ave	3.162	3.611		57.1	50.0	14.2	20.0
1,3-Dichlorobenzene	Ave	1.404	1.428	0.6000	50.8	50.0	1.7	20.0
p-Isopropyltoluene	Ave	2.676	2.917		54.5	50.0	9.0	20.0
1,4-Dichlorobenzene	Ave	1.410	1.437	0.5000	51.0	50.0	1.9	20.0
1,2,3-Trimethylbenzene	Ave	2.955	2.902		49.1	50.0	-1.8	20.0
Benzyl chloride	Ave	2.461	2.047		41.6	50.0	-16.8	20.0
1,3-Diethylbenzene	Ave	1.505	1.548		51.5	50.0	2.9	20.0
1,4-Diethylbenzene	Ave	1.586	1.673		52.7	50.0	5.5	20.0
n-Butylbenzene	Ave	1.366	1.371		50.2	50.0	0.3	20.0
1,2-Dichlorobenzene	Ave	1.445	1.514	0.4000	52.4	50.0	4.8	20.0
1,2-Diethylbenzene	Ave	1.273	1.371		53.9	50.0	7.7	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.3584	0.3358	0.0500	46.8	50.0	-6.3	20.0
1,3,5-Trichlorobenzene	Ave	0.9172	1.137		62.0	50.0	23.9*	20.0
1,2,4-Trichlorobenzene	Ave	0.8983	1.124	0.2000	62.6	50.0	25.2*	20.0
Hexachlorobutadiene	Ave	0.2962	0.4242		71.6	50.0	43.2*	20.0
Naphthalene	Ave	4.010	4.502		56.1	50.0	12.3	20.0
1,2,3-Trichlorobenzene	Ave	0.9047	1.145		63.3	50.0	26.6*	20.0
2-Methylnaphthalene	Ave	1.809	2.031		56.1	50.0	12.3	20.0
Dibromofluoromethane (Surr)	Ave	0.2463	0.2688		54.6	50.0	9.1	
1,2-Dichloroethane-d4 (Surr)	Ave	0.0548	0.0604		55.1	50.0	10.2	
Toluene-d8 (Surr)	Ave	1.372	1.438		52.4	50.0	4.8	
4-Bromofluorobenzene (Surr)	Ave	0.5351	0.4838		45.2	50.0	-9.6	

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X02.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 06-Aug-2025 09:02:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155647-003
Misc. Info.: CCVIS
Operator ID: clm27445 Instrument ID: 26285
Sublist: chrom-MSVoa_26285a*sub40

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 09:30:45 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1711

First Level Reviewer: TQ4J Date: 06-Aug-2025 09:29:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.585	1.585	0.000	99	889162	50.0	69.8	
4 Chloromethane	50	1.744	1.744	0.000	99	792610	50.0	47.0	
5 Butadiene	39	1.829	1.829	0.000	94	642378	50.0	36.7	
6 Vinyl chloride	62	1.835	1.835	0.000	98	695670	50.0	50.1	
9 Bromomethane	94	2.104	2.104	0.000	91	481187	50.0	53.2	
10 Chloroethane	64	2.165	2.165	0.000	99	376332	50.0	49.1	
11 Dichlorofluoromethane	67	2.372	2.372	0.000	97	1107761	50.0	46.7	
13 Trichlorofluoromethane	101	2.415	2.415	0.000	97	881503	50.0	62.3	
12 Pentane	43	2.433	2.433	0.000	97	597658	50.0	41.4	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.689	2.689	0.000	94	569948	50.0	49.2	
17 Acrolein	56	2.744	2.744	0.000	98	1355862	487.9	605.0	
18 1,1-Dichloroethene	96	2.866	2.866	0.000	97	343380	50.0	51.6	
19 Acetone	58	2.884	2.884	0.000	88	123939	100.0	113.0	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.896	2.896	0.000	93	376258	50.0	49.2	
21 Iodomethane	142	3.036	3.036	0.000	98	705563	50.0	54.1	
22 Isopropyl alcohol	45	3.055	3.055	0.000	48	265221	250.0	204.5	
23 Carbon disulfide	76	3.128	3.128	0.000	99	1234917	50.0	44.6	
25 Methyl acetate	43	3.225	3.225	0.000	99	464982	50.0	40.6	
26 3-Chloro-1-propene	41	3.244	3.244	0.000	89	594980	50.0	37.2	
28 Methylene Chloride	84	3.414	3.414	0.000	95	422908	50.0	49.8	
* 29 t-Butyl alcohol-d10 (IS)	65	3.463	3.463	0.000	92	467423	250.0	250.0	
30 2-Methyl-2-propanol	59	3.542	3.542	0.000	98	495910	250.0	228.4	
31 Acrylonitrile	53	3.683	3.683	0.000	97	621338	125.0	104.9	
32 trans-1,2-Dichloroethene	96	3.738	3.738	0.000	97	376349	50.0	52.0	
33 Methyl tert-butyl ether	73	3.744	3.744	0.000	97	1054845	50.0	40.8	
34 Hexane	57	4.122	4.122	0.000	96	444586	50.0	45.8	
36 1,1-Dichloroethane	63	4.353	4.353	0.000	96	695435	50.0	45.3	
38 Isopropyl ether	45	4.420	4.420	0.000	95	1177602	50.0	37.9	
39 2-Chloro-1,3-butadiene	53	4.463	4.463	0.000	93	578886	50.0	42.4	
40 Tert-butyl ethyl ether	59	4.999	4.999	0.000	98	1021641	50.0	37.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 2-Butanone (MEK)	43	5.225	5.225	0.000	97	608044	100.0	72.9	
43 cis-1,2-Dichloroethene	96	5.231	5.231	0.000	84	393109	50.0	46.1	
44 2,2-Dichloropropane	77	5.256	5.256	0.000	92	518459	50.0	41.6	
45 Propionitrile	54	5.323	5.323	0.000	98	479482	250.0	257.3	
47 Methacrylonitrile	67	5.536	5.536	0.000	94	525687	125.0	102.8	
48 Chlorobromomethane	128	5.585	5.585	0.000	96	192588	50.0	51.0	
49 Tetrahydrofuran	71	5.591	5.591	0.000	92	426311	250.0	289.5	
50 Chloroform	83	5.749	5.749	0.000	94	697494	50.0	49.3	
$ 51 Dibromofluoromethane (Surr)	113	5.975	5.975	0.000	93	383908	50.0	54.6	
52 1,1,1-Trichloroethane	97	5.975	5.975	0.000	99	589043	50.0	49.2	
53 Cyclohexane	56	6.072	6.072	0.000	93	643813	50.0	42.8	
55 Carbon tetrachloride	117	6.194	6.194	0.000	96	514038	50.0	52.5	
56 1,1-Dichloropropene	75	6.200	6.200	0.000	95	523397	50.0	46.2	
57 Isobutyl alcohol	41	6.432	6.432	0.000	93	385985	625.0	550.9	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.456	6.456	0.000	98	86284	50.0	55.1	
59 Benzene	78	6.475	6.475	0.000	98	1568371	50.0	47.2	
60 1,2-Dichloroethane	62	6.560	6.560	0.000	98	539387	50.0	48.2	
62 Tert-amyl methyl ether	73	6.694	6.694	0.000	97	977375	50.0	40.0	
* 63 Fluorobenzene (IS)	96	6.908	6.908	0.000	98	1428337	50.0	50.0	
64 n-Heptane	43	6.932	6.932	0.000	95	429028	50.0	42.7	
65 n-Butanol	56	7.353	7.353	0.000	94	249780	625.0	483.8	
66 Trichloroethene	95	7.408	7.408	0.000	99	400348	50.0	50.2	
68 Methylcyclohexane	83	7.718	7.718	0.000	93	551465	50.0	41.0	
69 1,2-Dichloropropane	63	7.761	7.761	0.000	95	367193	50.0	40.5	
70 2-ethoxy-2-methyl butane	87	7.786	7.786	0.000	89	434675	50.0	39.8	
72 1,4-Dioxane	88	7.865	7.865	0.000	32	67545	625.0	626.9	
73 Dibromomethane	93	7.871	7.871	0.000	96	242287	50.0	47.3	
74 Methyl methacrylate	69	7.877	7.877	0.000	92	272455	50.0	37.9	
76 Dichlorobromomethane	83	8.133	8.133	0.000	99	474682	50.0	47.0	
77 2-Nitropropane	41	8.432	8.432	0.000	99	822634	250.0	297.6	
78 2-Chloroethyl vinyl ether	63	8.535	8.535	0.000	93	231030	50.0	39.6	
79 cis-1,3-Dichloropropene	75	8.718	8.718	0.000	94	587915	50.0	45.9	
83 4-Methyl-2-pentanone (MIBK)	43	8.926	8.926	0.000	98	1364105	100.0	81.0	
$ 84 Toluene-d8 (Surr)	98	9.060	9.060	0.000	94	1364628	50.0	52.4	
85 Toluene	92	9.151	9.151	0.000	98	927671	50.0	51.1	
86 trans-1,3-Dichloropropene	75	9.462	9.462	0.000	96	484080	50.0	44.9	
87 Ethyl methacrylate	69	9.547	9.547	0.000	91	498648	50.0	39.6	
88 1,1,2-Trichloroethane	97	9.688	9.688	0.000	91	320624	50.0	50.5	
89 Tetrachloroethene	166	9.767	9.767	0.000	97	393830	50.0	58.1	
91 1,3-Dichloropropane	76	9.870	9.870	0.000	94	513253	50.0	46.6	
92 2-Hexanone	43	9.944	9.944	0.000	99	886059	100.0	77.8	
100 Chlorodibromomethane	129	10.096	10.096	0.000	90	384161	50.0	57.1	
101 Ethylene Dibromide	107	10.206	10.206	0.000	99	322784	50.0	49.5	
* 128 Chlorobenzene-d5 (IS)	117	10.687	10.687	0.000	86	948859	50.0	50.0	
130 Chlorobenzene	112	10.712	10.712	0.000	93	965773	50.0	51.5	
129 1-Chlorohexane	91	10.712	10.712	0.000	66	426173	50.0	46.7	
131 1,1,1,2-Tetrachloroethane	131	10.809	10.809	0.000	95	390945	50.0	54.6	
132 Ethylbenzene	91	10.815	10.815	0.000	99	1799165	50.0	48.9	
133 m-Xylene & p-Xylene	106	10.943	10.943	0.000	99	1376009	100.0	103.2	
136 o-Xylene	106	11.291	11.291	0.000	97	714451	50.0	51.7	
137 Styrene	104	11.309	11.309	0.000	96	1077055	50.0	49.7	
138 Bromoform	173	11.468	11.468	0.000	97	279274	50.0	55.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
139 Isopropylbenzene	105	11.614	11.614	0.000	96	1855403	50.0	59.4	
$ 143 4-Bromofluorobenzene (Surr)	95	11.760	11.760	0.000	91	459033	50.0	45.2	
144 Bromobenzene	156	11.876	11.876	0.000	97	382621	50.0	54.4	
145 1,1,2,2-Tetrachloroethane	83	11.882	11.882	0.000	94	576745	50.0	47.2	
146 trans-1,4-Dichloro-2-butene	53	11.907	11.907	0.000	92	368394	125.0	99.8	
147 1,2,3-Trichloropropane	110	11.925	11.925	0.000	84	157035	50.0	50.6	
148 N-Propylbenzene	91	11.962	11.962	0.000	99	1980555	50.0	51.6	
150 2-Chlorotoluene	126	12.035	12.035	0.000	96	390213	50.0	54.0	
152 1,3,5-Trimethylbenzene	105	12.108	12.108	0.000	94	1397094	50.0	53.8	
153 4-Chlorotoluene	126	12.132	12.132	0.000	98	362306	50.0	51.6	
154 tert-Butylbenzene	134	12.358	12.358	0.000	93	239602	50.0	56.5	
156 1,2,4-Trimethylbenzene	105	12.400	12.400	0.000	98	1451650	50.0	54.0	
158 sec-Butylbenzene	105	12.528	12.528	0.000	95	1689077	50.0	57.1	
159 1,3-Dichlorobenzene	146	12.626	12.626	0.000	99	667875	50.0	50.8	
160 4-Isopropyltoluene	119	12.644	12.644	0.000	98	1364263	50.0	54.5	
* 163 1,4-Dichlorobenzene-d4	152	12.681	12.681	0.000	95	467758	50.0	50.0	
164 1,4-Dichlorobenzene	146	12.699	12.699	0.000	95	672314	50.0	51.0	
165 1,2,3-Trimethylbenzene	105	12.717	12.717	0.000	98	1357242	50.0	49.1	
166 Benzyl chloride	91	12.785	12.785	0.000	99	957562	50.0	41.6	
167 1,3-Diethylbenzene	119	12.852	12.852	0.000	95	724246	50.0	51.4	
168 p-Diethylbenzene	119	12.925	12.925	0.000	93	782603	50.0	52.7	
169 n-Butylbenzene	92	12.949	12.949	0.000	97	641339	50.0	50.2	
171 1,2-Dichlorobenzene	146	12.967	12.967	0.000	99	708364	50.0	52.4	
172 o-diethylbenzene	119	12.998	12.998	0.000	97	641504	50.0	53.9	
173 1,2-Dibromo-3-Chloropropane	75	13.534	13.534	0.000	84	157054	50.0	46.8	
175 1,3,5-Trichlorobenzene	180	13.662	13.662	0.000	97	531607	50.0	62.0	
176 1,2,4-Trichlorobenzene	180	14.095	14.095	0.000	93	525941	50.0	62.6	
178 Hexachlorobutadiene	225	14.187	14.187	0.000	95	198414	50.0	71.6	
179 Naphthalene	128	14.278	14.278	0.000	97	2105909	50.0	56.1	
180 1,2,3-Trichlorobenzene	180	14.424	14.424	0.000	95	535620	50.0	63.3	
181 2-Methylnaphthalene	142	15.034	15.034	0.000	92	949946	50.0	56.1	

QC Flag Legend

Processing Flags

Reagents:

MSV_CCV_GASES_01109	Amount Added:	2.50	Units: uL	
MSV_CCV_VOC#3_00249	Amount Added:	4.00	Units: uL	
MSV_CCV_2CEVE_00239	Amount Added:	5.00	Units: uL	
MSV_CCV_VOC#1_00247	Amount Added:	5.00	Units: uL	
MSV_Cent_ISSS_00043	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 06-Aug-2025 09:30:46 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X02.D

Injection Date: 06-Aug-2025 09:02:30 Instrument ID: 26285 Operator ID: clm27445

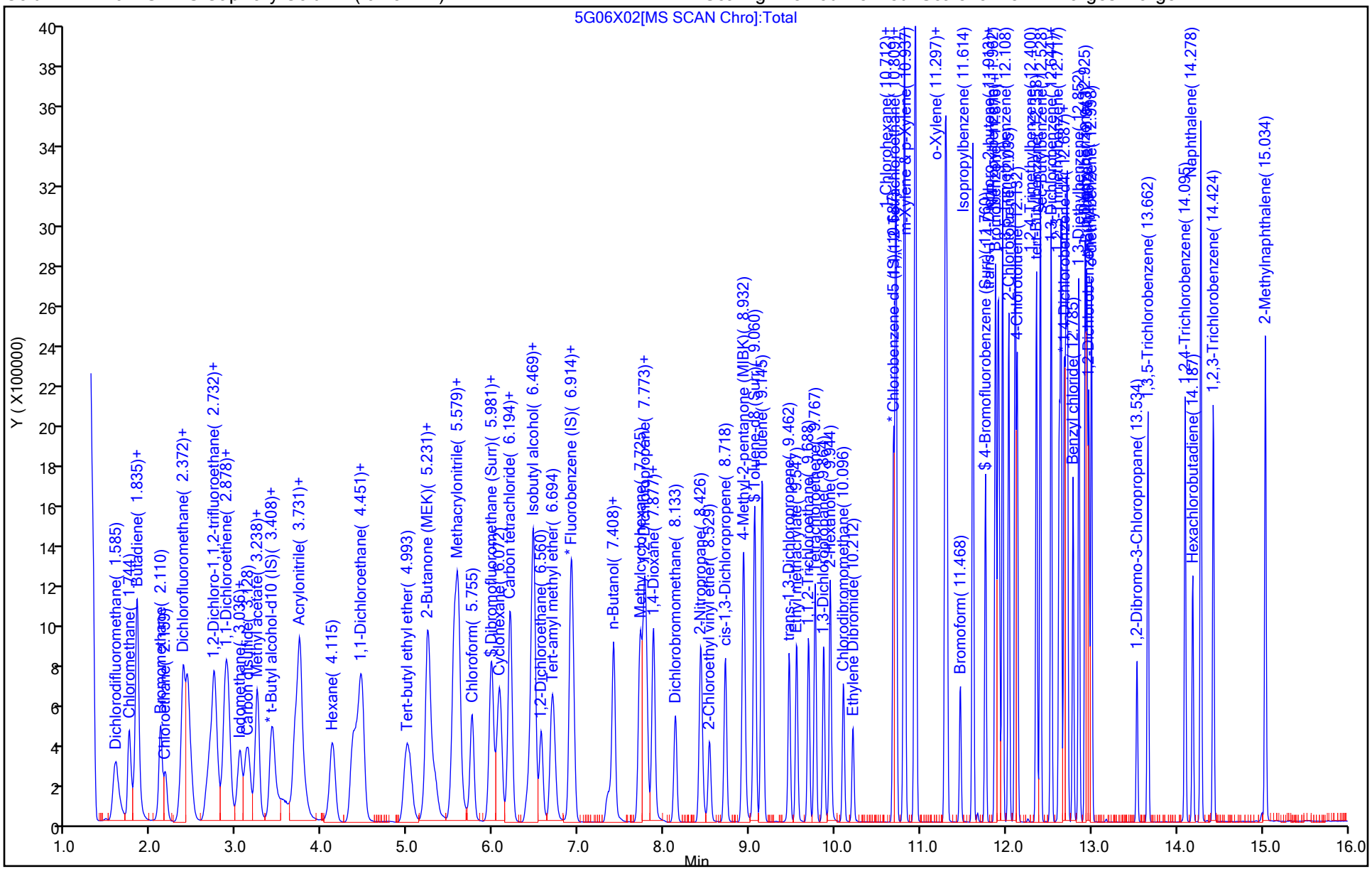
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSVoa_26285a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21T01.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	21-May-2025 15:30:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0147895-001				
Misc. Info.:	BFB				
Operator ID:	knk41612	Instrument ID:	26285		
Method:	\\chromfs\Lancaster\ChromData\26285\20250521-147895.b\MSVoa_26285a.m				
Limit Group:	MSV - 8260C_D				
Last Update:	22-May-2025 02:42:38	Calib Date:	21-May-2025 21:16:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1705				

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 35 BFB	95	4.443	4.443	0.000	0	661828	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

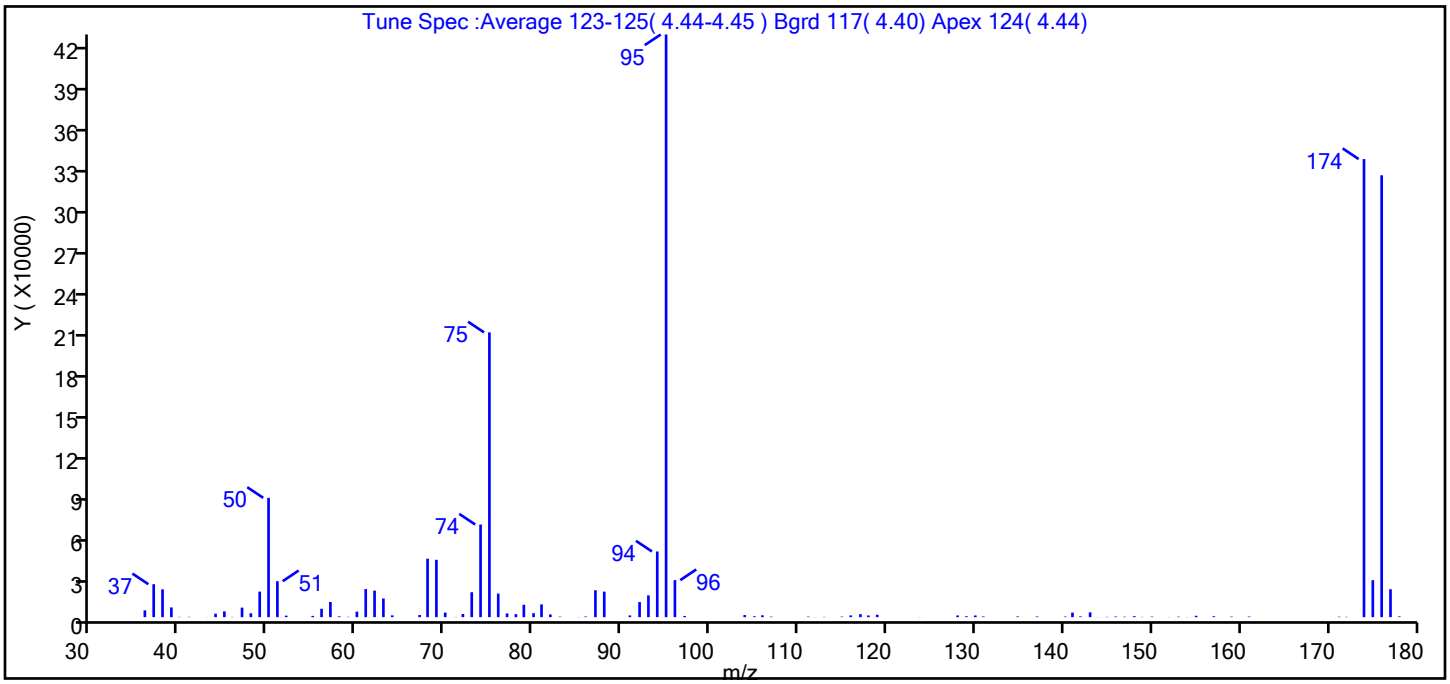
MSV_V_BFB_00018 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21T01.D				
Injection Date:	21-May-2025 15:30:30	Instrument ID:	26285		
Lims ID:	bfb				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		
Tune Method:	BFB Method 8260				

$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.5
75	30 to 60% of m/z 95	48.9
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	78.6
175	5 to 9% of m/z 174	6.3 (8.1)
176	Greater than 95% but less than 101% of m/z 174	75.8 (96.5)
177	5 to 9% of m/z 176	4.8 (6.3)

Data File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21T01.D\MSVoa_26285a.rslt\spectra.d
Injection Date: 21-May-2025 15:30:30
Spectrum: Tune Spec :Average 123-125(4.44-4.45) Bgrd 117(4.40) Apex 124(4.44)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 98

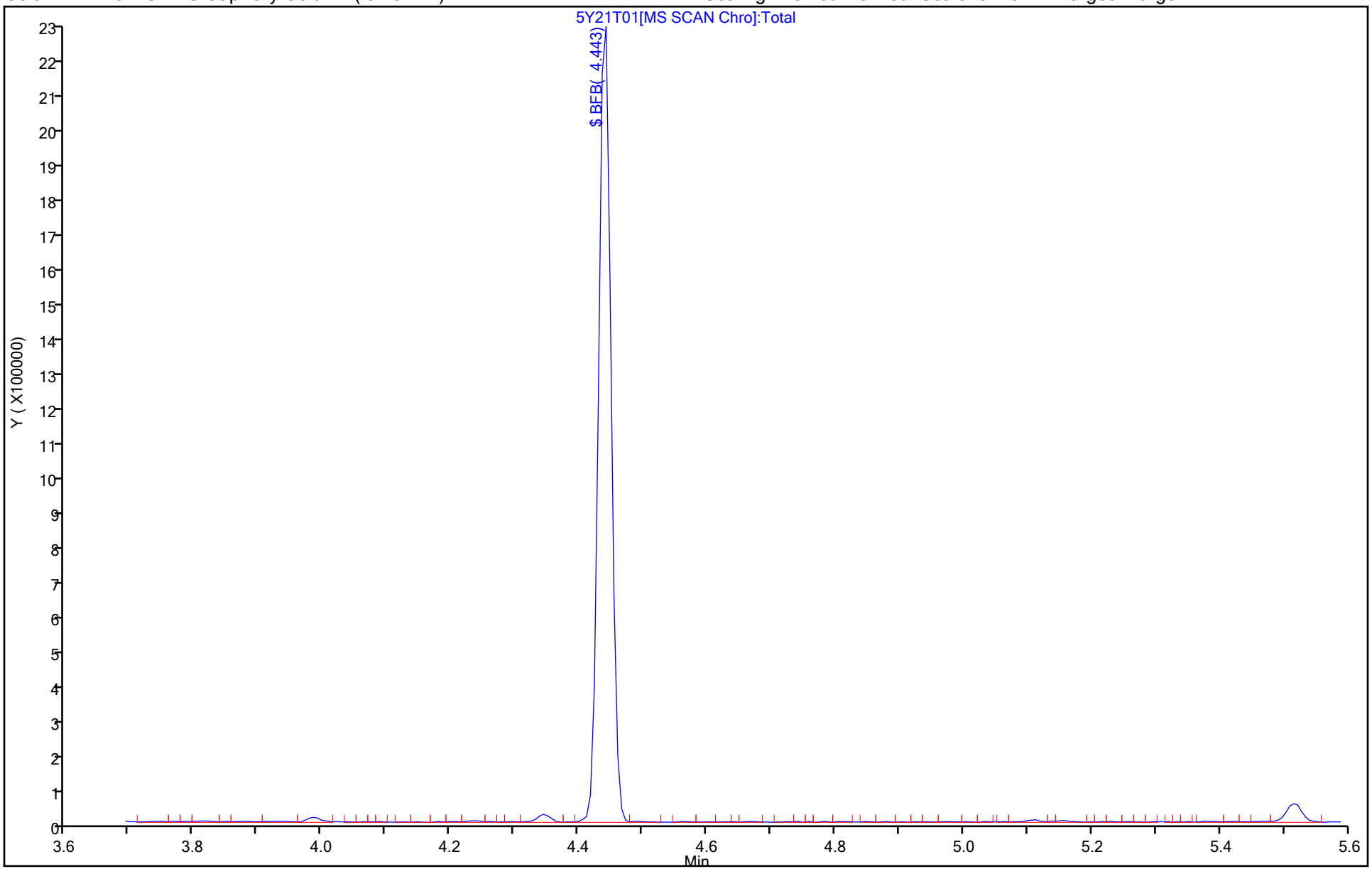
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4922	64.00	1282	94.00	47528	142.00	526
37.00	23832	67.00	1529	95.00	421696	143.00	3455
38.00	20144	68.00	42288	96.00	26784	144.00	97
39.00	7029	69.00	41496	97.00	869	145.00	225
40.00	203	70.00	3290	104.00	1502	146.00	460
41.00	246	71.00	131	105.00	636	147.00	329
43.00	77	72.00	2264	106.00	1339	148.00	714
44.00	2503	73.00	18040	107.00	364	149.00	180
45.00	4184	74.00	67024	111.00	383	150.00	365
46.00	189	75.00	206080	112.00	83	152.00	113
47.00	6891	76.00	17040	113.00	208	153.00	344
48.00	2800	77.00	2683	115.00	391	154.00	110
49.00	18480	78.00	2153	116.00	1267	155.00	993
50.00	86344	79.00	8978	117.00	2172	157.00	627
51.00	26016	80.00	2853	118.00	1222	159.00	365
52.00	1090	81.00	9232	119.00	1721	161.00	429
55.00	922	82.00	1941	124.00	85	171.00	322
56.00	6066	83.00	348	128.00	1219	172.00	225
57.00	10959	85.00	96	129.00	628	174.00	331520
58.00	573	86.00	455	130.00	1209	175.00	26768
59.00	233	87.00	19456	131.00	480	176.00	319808
60.00	3987	88.00	18456	135.00	484	177.00	20168
61.00	20304	91.00	1245	137.00	471	178.00	502
62.00	19200	92.00	10917	140.00	414		
63.00	13485	93.00	15746	141.00	3293		

Report Date: 22-May-2025 02:42:39 Chrom Revision: 2.3 07-May-2025 18:53:14

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21T01.D				
Injection Date:	21-May-2025 15:30:30	Instrument ID:	26285	Operator ID:	knk41612
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 06-Aug-2025 08:06:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0155647-001
Misc. Info.: BFB
Operator ID: clm27445 Instrument ID: 26285

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 09:30:43 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1711

First Level Reviewer: TQ4J Date: 06-Aug-2025 08:27:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 35 BFB	95	4.431	4.431	0.000	0	633558	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

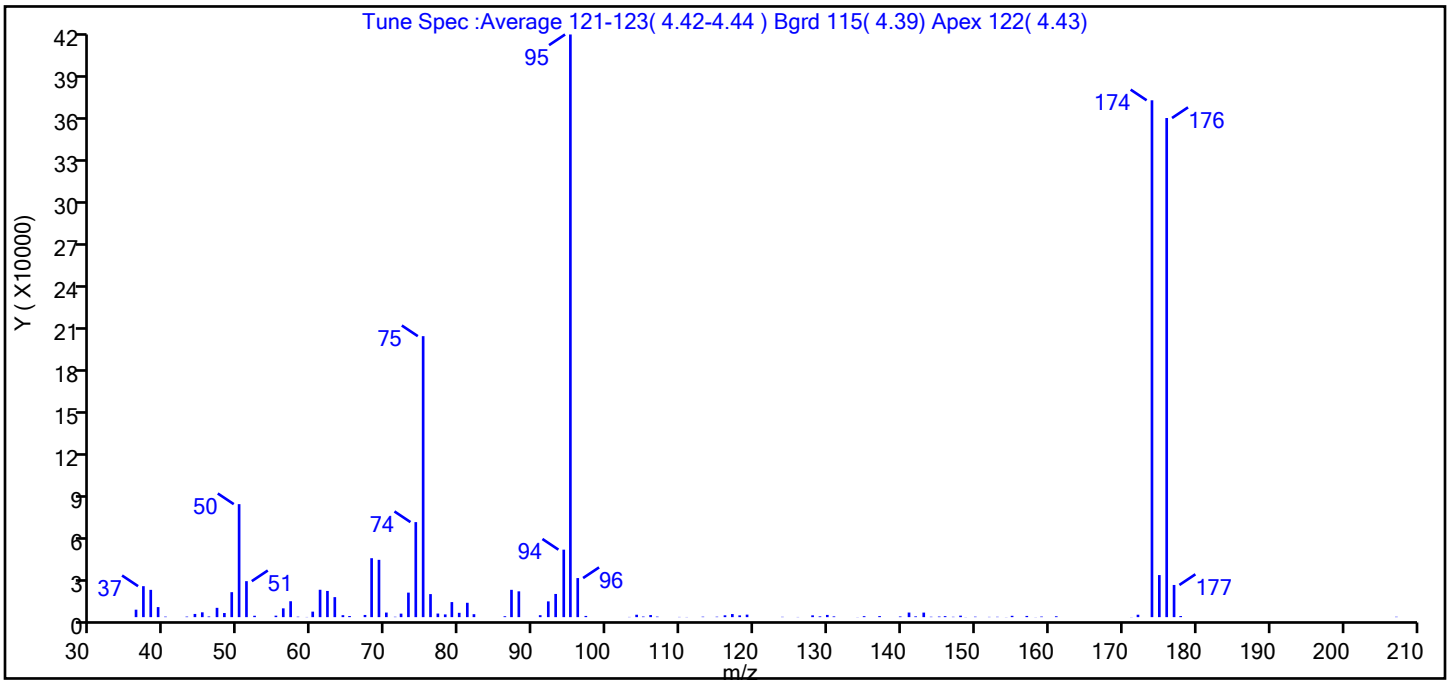
MSV_V_BFB_00019 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06T01.D
Injection Date: 06-Aug-2025 08:06:30 Instrument ID: 26285
Lims ID: BFB
Client ID:
Operator ID: clm27445 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSVoa_26285a Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.4
75	30 to 60% of m/z 95	48.2
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	88.7
175	5 to 9% of m/z 174	7.2 (8.1)
176	Greater than 95% but less than 101% of m/z 174	85.7 (96.6)
177	5 to 9% of m/z 176	5.5 (6.4)

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06T01.D\MSVoa_26285a.rslt\spectra.d
Injection Date: 06-Aug-2025 08:06:30
Spectrum: Tune Spec :Average 121-123(4.42-4.44) Bgrd 115(4.39) Apex 122(4.43)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 101

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5285	67.00	1547	103.00	149	144.00	283
37.00	21928	68.00	41728	104.00	1708	145.00	423
38.00	19320	69.00	40576	105.00	418	146.00	716
39.00	7113	70.00	3244	106.00	1491	147.00	250
40.00	361	71.00	271	107.00	366	148.00	1057
43.00	386	72.00	2488	110.00	158	149.00	97
44.00	2272	73.00	17360	111.00	113	150.00	332
45.00	3416	74.00	67280	113.00	324	152.00	189
46.00	471	75.00	198912	115.00	317	153.00	250
47.00	6588	76.00	16317	116.00	1295	154.00	84
48.00	2915	77.00	2552	117.00	2188	155.00	945
49.00	17680	78.00	1934	118.00	1250	157.00	856
50.00	79992	79.00	10661	119.00	1774	158.00	83
51.00	25472	80.00	3058	124.00	225	159.00	405
52.00	983	81.00	10165	126.00	127	161.00	624
55.00	1049	82.00	2093	128.00	1273	171.00	96
56.00	6228	86.00	652	129.00	535	172.00	1716
57.00	11262	87.00	19336	130.00	1567	174.00	365888
58.00	322	88.00	18264	131.00	535	175.00	29776
59.00	129	91.00	1387	134.00	89	176.00	353344
60.00	3908	92.00	11168	135.00	688	177.00	22784
61.00	19384	93.00	16416	137.00	741	178.00	770
62.00	18544	94.00	47776	140.00	479	207.00	265
63.00	14166	95.00	412480	141.00	3252		
64.00	1384	96.00	27672	142.00	558		
65.00	787	97.00	865	143.00	3221		

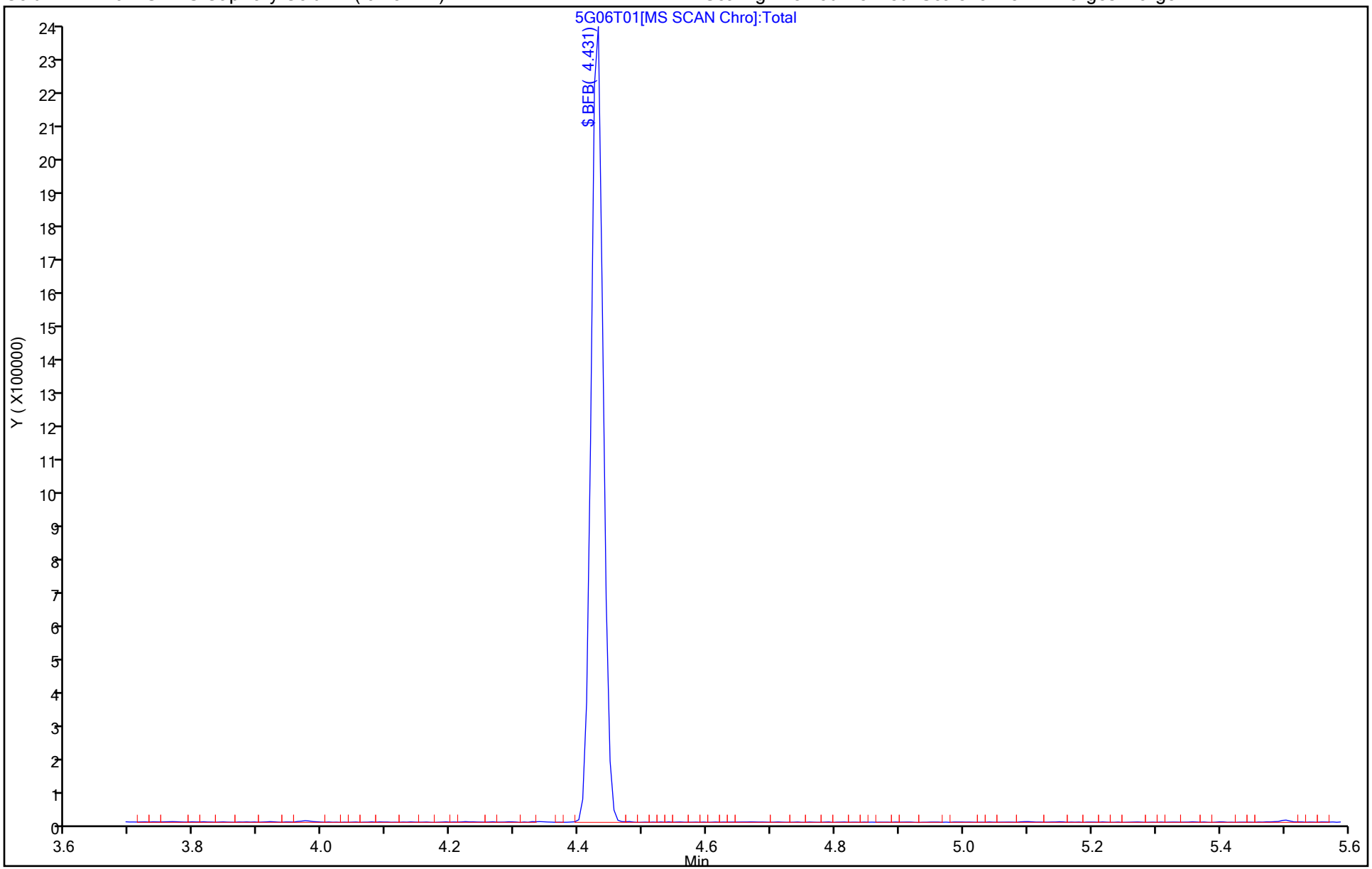
Report Date: 06-Aug-2025 09:30:43 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06T01.D

Injection Date:	06-Aug-2025 08:06:30	Instrument ID:	26285	Operator ID:	clm27445
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-681349/7

Matrix: Water Lab File ID: 5G06X06.D

Analysis Method: 8260D Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/06/2025 10:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 681349 Units: ug/L

Preparation Batch No.: Instrument ID: 26285

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-63-0	2-Propanol	ND		100	50.0
67-64-1	Acetone	ND		20.0	2.00

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		80-120
1868-53-7	Dibromofluoromethane (Surr)	114		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X06.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 06-Aug-2025 10:23:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155647-007
Operator ID: clm27445 Instrument ID: 26285

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 10:49:30 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1711

First Level Reviewer: TQ4J Date: 06-Aug-2025 10:49:30

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.567					ND	
3	Dichlorodifluoromethane	85		1.585					ND	
2	Chlorodifluoromethane	51		1.665					ND	
4	Chloromethane	50		1.744					ND	
5	Butadiene	39		1.829					ND	7
6	Vinyl chloride	62		1.835					ND	
7	2-Chloro-1,1,1-Trifluoroethane	118		1.909					ND	
9	Bromomethane	94		2.104					ND	
10	Chloroethane	64		2.165					ND	
11	Dichlorofluoromethane	67		2.372					ND	
13	Trichlorofluoromethane	101		2.415					ND	
12	Pentane	43		2.433					ND	
14	Ethanol	45		2.567					ND	
15	Ethyl ether	59		2.598					ND	
16	1,2-Dichloro-1,1,2-trifluoroetha	67		2.689					ND	
17	Acrolein	56		2.744					ND	
18	1,1-Dichloroethene	96		2.866					ND	
19	Acetone	58		2.884					ND	
20	1,1,2-Trichloro-1,2,2-trifluoroe	101		2.896					ND	
21	Iodomethane	142		3.036					ND	
22	Isopropyl alcohol	45		3.055					ND	
23	Carbon disulfide	76		3.128					ND	
27	Acetonitrile	41		3.207					ND	
25	Methyl acetate	43		3.225					ND	
26	3-Chloro-1-propene	41		3.244					ND	
28	Methylene Chloride	84		3.414					ND	
* 29	t-Butyl alcohol-d10 (IS)	65	3.433	3.463	-0.030	34	437552	250.0	250.0	
30	2-Methyl-2-propanol	59		3.542					ND	
31	Acrylonitrile	53		3.683					ND	
32	trans-1,2-Dichloroethene	96		3.738					ND	
33	Methyl tert-butyl ether	73		3.744					ND	
34	Hexane	57		4.122					ND	

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
	36 1,1-Dichloroethane	63		4.353					ND	
	37 Vinyl acetate	43		4.378					ND	
	38 Isopropyl ether	45		4.420					ND	
	39 2-Chloro-1,3-butadiene	53		4.463					ND	
	40 Tert-butyl ethyl ether	59		4.999					ND	
	42 2-Butanone (MEK)	43		5.225					ND	
	43 cis-1,2-Dichloroethene	96		5.231					ND	
	44 2,2-Dichloropropane	77		5.256					ND	
	41 Ethyl acetate	43		5.311					ND	
	45 Propionitrile	54		5.323					ND	
	46 Methyl acrylate	55		5.377					ND	
	47 Methacrylonitrile	67		5.536					ND	
	48 Chlorobromomethane	128		5.585					ND	
	49 Tetrahydrofuran	71		5.591					ND	
	50 Chloroform	83		5.749					ND	
$	51 Dibromofluoromethane (Surr)	113	5.981	5.975	0.006	93	373088	50.0	56.9	
	52 1,1,1-Trichloroethane	97		5.975					ND	
	53 Cyclohexane	56		6.072					ND	
S	54 1,2-Dichloroethene, Total	100		6.155					ND	7
	55 Carbon tetrachloride	117		6.194					ND	
	56 1,1-Dichloropropene	75		6.200					ND	
	57 Isobutyl alcohol	41		6.432					ND	
$	58 1,2-Dichloroethane-d4 (Surr)	102	6.451	6.456	-0.005	48	80366	50.0	55.1	
	59 Benzene	78		6.475					ND	
	60 1,2-Dichloroethane	62		6.560					ND	7
	61 Isopropyl acetate	43		6.621					ND	
	62 Tert-amyl methyl ether	73		6.694					ND	
*	63 Fluorobenzene (IS)	96	6.914	6.908	0.006	99	1331392	50.0	50.0	
	64 n-Heptane	43		6.932					ND	U
	65 n-Butanol	56		7.353					ND	
	66 Trichloroethene	95		7.408					ND	
	67 Ethyl acrylate	55		7.584					ND	
	68 Methylcyclohexane	83		7.718					ND	
	69 1,2-Dichloropropane	63		7.761					ND	
	70 2-ethoxy-2-methyl butane	87		7.786					ND	
	71 t-Amyl alcohol	73		7.804					ND	
	72 1,4-Dioxane	88		7.865					ND	
	73 Dibromomethane	93		7.871					ND	
	74 Methyl methacrylate	69		7.877					ND	
	75 n-Propyl acetate	61		7.981					ND	
	76 Dichlorobromomethane	83		8.133					ND	
	77 2-Nitropropane	41		8.432					ND	
	78 2-Chloroethyl vinyl ether	63		8.535					ND	
	79 cis-1,3-Dichloropropene	75		8.718					ND	
	83 4-Methyl-2-pentanone (MIBK)	43		8.926					ND	
$	84 Toluene-d8 (Surr)	98	9.060	9.060	0.000	94	1173067	50.0	51.8	
	85 Toluene	92		9.151					ND	
	86 trans-1,3-Dichloropropene	75		9.462					ND	
	87 Ethyl methacrylate	69		9.547					ND	
	88 1,1,2-Trichloroethane	97		9.688					ND	
	89 Tetrachloroethene	166		9.767					ND	
	91 1,3-Dichloropropane	76		9.870					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
93 3,4-Dichloro-1-butene	75		9.919					ND	
92 2-Hexanone	43		9.944					ND	
S 98 1,3-Dichloropropene, Total	100		10.060					ND	7
100 Chlorodibromomethane	129		10.096					ND	
99 n-Butyl acetate	43		10.096					ND	
101 Ethylene Dibromide	107		10.206					ND	
* 128 Chlorobenzene-d5 (IS)	117	10.688	10.687	0.001	87	824742	50.0	50.0	
130 Chlorobenzene	112		10.712					ND	
129 1-Chlorohexane	91		10.712					ND	U
131 1,1,1,2-Tetrachloroethane	131		10.809					ND	
132 Ethylbenzene	91		10.815					ND	
133 m-Xylene & p-Xylene	106		10.943					ND	
S 135 Xylenes, Total	106		11.245					ND	7
134 n-Butyl acrylate	55		11.273					ND	
136 o-Xylene	106		11.291					ND	
162 Ethyl bromide	108		11.303					ND	U
137 Styrene	104		11.309					ND	
138 Bromoform	173		11.468					ND	
139 Isopropylbenzene	105		11.614					ND	
142 cis-1,4-Dichloro-2-butene	88		11.687					ND	
141 Cyclohexanone	55		11.706					ND	
$ 143 4-Bromofluorobenzene (Surr)	95	11.760	11.760	0.000	91	417951	50.0	47.4	
144 Bromobenzene	156		11.876					ND	
145 1,1,2,2-Tetrachloroethane	83		11.882					ND	
146 trans-1,4-Dichloro-2-butene	53		11.907					ND	
147 1,2,3-Trichloropropane	110		11.925					ND	
148 N-Propylbenzene	91		11.962					ND	
150 2-Chlorotoluene	126		12.035					ND	
152 1,3,5-Trimethylbenzene	105		12.108					ND	
153 4-Chlorotoluene	126		12.132					ND	
149 2,3,4-Trichlorobutene	109		12.175					ND	
154 tert-Butylbenzene	134		12.358					ND	
156 1,2,4-Trimethylbenzene	105		12.400					ND	
155 Pentachloroethane	167		12.401					ND	
158 sec-Butylbenzene	105		12.528					ND	
159 1,3-Dichlorobenzene	146		12.626					ND	
160 4-Isopropyltoluene	119		12.644					ND	
* 163 1,4-Dichlorobenzene-d4	152	12.681	12.681	0.000	96	509658	50.0	50.0	
164 1,4-Dichlorobenzene	146		12.699					ND	
165 1,2,3-Trimethylbenzene	105		12.717					ND	7
166 Benzyl chloride	91		12.785					ND	
167 1,3-Diethylbenzene	119		12.852					ND	
168 p-Diethylbenzene	119		12.925					ND	
169 n-Butylbenzene	92		12.949					ND	
171 1,2-Dichlorobenzene	146		12.967					ND	
172 o-diethylbenzene	119		12.998					ND	
173 1,2-Dibromo-3-Chloropropane	75		13.534					ND	
174 Hexachloroethane	201		13.547					ND	
175 1,3,5-Trichlorobenzene	180		13.662					ND	7
176 1,2,4-Trichlorobenzene	180		14.095					ND	
177 2-Ethylhexyl acrylate	55		14.187					ND	
178 Hexachlorobutadiene	225		14.187					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
179 Naphthalene	128		14.278					ND	7
180 1,2,3-Trichlorobenzene	180		14.424					ND	
181 2-Methylnaphthalene	142		15.034					ND	7
182 C4-C10	1		0.000					ND	
218 tert-Butyl Formate	1		0.000					ND	
219 C5-C12	1		0.000					ND	
220 2,2-Dimethylpropane TIC	1		0.000					ND	
210 Isobutyl acetate	43		0.000					ND	
211 2,3-Dichloro-1,3-butadiene	1		0.000					ND	
212 4-Ethyltoluene	1		0.000					ND	
S 213 Total Diethylbenzene	1		0.000					ND	7
214 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
215 Propene oxide	1		0.000					ND	
216 C4-C12	1		0.000					ND	
217 C6-C12	1		0.000					ND	
221 2-Methylhexane TIC	1		0.000					ND	
230 Cyclopentane TIC	1		0.000					ND	
231 3-Methylhexane TIC	1		0.000					ND	
232 2-ethoxy-2-methyl butane TIC	1		0.000					ND	
222 1-Bromo-2-chloroethane	1		0.000					ND	
223 n-Decane	57		0.000					ND	
224 1,3-Divinylbenzene	1		0.000					ND	
S 225 Total BTEX	1		0.000					ND	
226 1-Chlorobutane	1		0.000					ND	
227 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000					ND	
228 Butane	1		0.000					ND	
229 1,4-Divinylbenzene	1		0.000					ND	
209 Diethoxymethane	1		0.000					ND	
208 3-Methyl-1-butene	1		0.000					ND	
207 sec-Butyl Alcohol	45		0.000					ND	
190 Undecane	1		0.000					ND	
191 n-Octane	1		0.000					ND	
192 C7-C12	1		0.000					ND	
193 Dimethylformamide TIC	1		0.000					ND	
183 3-Pentanone TIC	1		0.000					ND	
184 Gasoline (Unleaded)	1		0.000					ND	
185 Propanol	1		0.000					ND	
186 Methylal	1		0.000					ND	
187 Dodecane	57		0.000					ND	
188 3-chloro-1-Butene	1		0.000					ND	
189 Chloroacetonitrile	1		0.000					ND	
194 1-Methylnaphthalene	142		0.000					ND	
203 Methylcyclopentane TIC	1		0.000					ND	
204 2-Butoxyethyl acetate	1		0.000					ND	
205 C6-C10	1		0.000					ND	
S 206 divinyl benzene	1		0.000					ND	7
195 1-Methylnaphthalene (TIC)	1		0.000					ND	
196 3-Methylpentane TIC	1		0.000					ND	
198 n-Nonane	1		0.000					ND	
199 Decamethylcyclopentasiloxane TIC	1		0.000					ND	
$ 200 trans-1,2,3-Trichlorobutene-2 TI	1		0.000					ND	
201 2,3-Dimethylbutane TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
202 2,2-Dimethylbutane TIC	1		0.000					ND	
233 sec-Butyl Alcohol TIC	1		0.000					ND	
234 cis-1,2,3-Trichlorobutene-2	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_Cent_ISSS_00043 Amount Added: 5.00 Units: uL Run Reagent

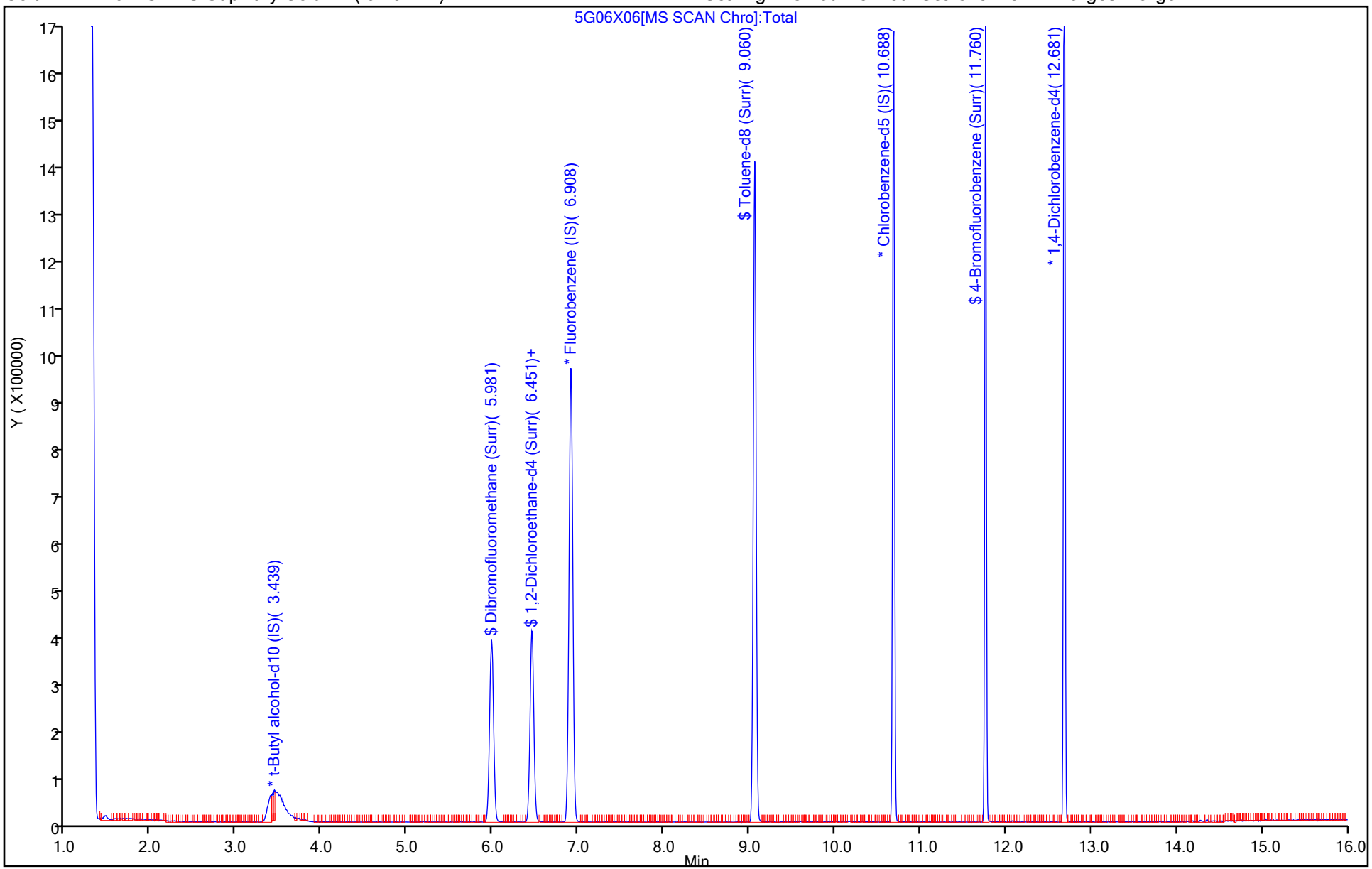
Report Date: 06-Aug-2025 10:49:50 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X06.D

Injection Date:	06-Aug-2025 10:23:30	Instrument ID:	26285	Operator ID:	clm27445
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVoa_26285a	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X06.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	06-Aug-2025 10:23:30	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155647-007				
Operator ID:	clm27445	Instrument ID:	26285		
Method:	\\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m				
Limit Group:	MSV - 8260C_D				
Last Update:	06-Aug-2025 10:49:30	Calib Date:	21-May-2025 21:16:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1711				

First Level Reviewer: TQ4J Date: 06-Aug-2025 10:49:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	56.9	113.77
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	55.1	110.10
$ 84 Toluene-d8 (Surr)	50.0	51.8	103.63
$ 143 4-Bromofluorobenzene (Surr)	50.0	47.4	94.71

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-681349/4

Matrix: Water
Lab File ID: 5G06X03.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 5(mL)
Date Analyzed: 08/06/2025 09:23

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681349
Units: ug/L

Preparation Batch No.:
Instrument ID: 26285

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-63-0	2-Propanol	112.1		100	50.0
67-64-1	Acetone	334.4		20.0	2.00

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-120
1868-53-7	Dibromofluoromethane (Surr)	110		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	120		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 06-Aug-2025 09:23:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155647-004
Operator ID: clm27445 Instrument ID: 26285

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 10:28:15 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1711

First Level Reviewer: TQ4J Date: 06-Aug-2025 09:52:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.573	1.585	-0.012	99	287857	20.0	24.0	
4 Chloromethane	50	1.726	1.744	-0.018	99	310976	20.0	19.5	
5 Butadiene	39	1.823	1.829	-0.006	94	327747	20.0	19.9	
6 Vinyl chloride	62	1.823	1.835	-0.012	80	283287	20.0	21.6	
9 Bromomethane	94	2.092	2.104	-0.012	92	185707	20.0	21.8	
10 Chloroethane	64	2.153	2.165	-0.012	99	146856	20.0	20.3	
11 Dichlorofluoromethane	67	2.360	2.372	-0.012	97	441017	20.0	19.7	
13 Trichlorofluoromethane	101	2.415	2.415	0.000	98	316269	20.0	23.7	
12 Pentane	43	2.421	2.433	-0.012	96	270803	20.0	19.9	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.677	2.689	-0.012	94	214053	20.0	19.6	
17 Acrolein	56	2.732	2.744	-0.012	97	420818	146.3	221.3	
18 1,1-Dichloroethene	96	2.860	2.866	-0.006	97	164418	20.0	26.2	
19 Acetone	58	2.872	2.884	-0.012	99	311201	250.0	334.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.890	2.896	-0.006	89	176425	20.0	24.5	
21 Iodomethane	142	3.037	3.036	0.001	99	299677	20.0	24.4	
22 Isopropyl alcohol	45	3.031	3.055	-0.024	39	123425	150.0	112.1	
23 Carbon disulfide	76	3.122	3.128	-0.006	99	560912	20.0	21.5	
25 Methyl acetate	43	3.213	3.225	-0.012	98	203349	20.0	18.8	
26 3-Chloro-1-propene	41	3.238	3.244	-0.006	90	245679	20.0	16.3	
28 Methylene Chloride	84	3.415	3.414	0.001	98	182544	20.0	22.8	
* 29 t-Butyl alcohol-d10 (IS)	65	3.469	3.463	0.006	93	396584	250.0	250.0	
30 2-Methyl-2-propanol	59	3.543	3.542	0.001	98	301287	200.0	163.6	
31 Acrylonitrile	53	3.671	3.683	-0.012	97	490691	100.0	87.9	
32 trans-1,2-Dichloroethene	96	3.726	3.738	-0.012	97	155129	20.0	22.7	
33 Methyl tert-butyl ether	73	3.744	3.744	0.000	96	423158	20.0	17.4	
34 Hexane	57	4.110	4.122	-0.012	95	195707	20.0	21.4	
36 1,1-Dichloroethane	63	4.347	4.353	-0.006	96	291840	20.0	20.1	
38 Isopropyl ether	45	4.414	4.420	-0.006	95	473394	20.0	16.2	
39 2-Chloro-1,3-butadiene	53	4.457	4.463	-0.006	93	238938	20.0	18.6	
40 Tert-butyl ethyl ether	59	4.975	4.999	-0.024	98	408569	20.0	15.9	
42 2-Butanone (MEK)	43	5.207	5.225	-0.018	99	1660356	250.0	211.1	
43 cis-1,2-Dichloroethene	96	5.231	5.231	0.000	84	173747	20.0	21.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 2,2-Dichloropropane	77	5.250	5.256	-0.006	94	235178	20.0	20.0	
45 Propionitrile	54	5.311	5.323	-0.012	98	305953	150.0	193.5	
47 Methacrylonitrile	67	5.530	5.536	-0.006	94	690053	150.0	143.1	
48 Chlorobromomethane	128	5.579	5.585	-0.006	94	84699	20.0	23.8	
49 Tetrahydrofuran	71	5.585	5.591	-0.006	89	180613	100.0	144.6	
50 Chloroform	83	5.743	5.749	-0.006	94	288686	20.0	21.6	
$ 51 Dibromofluoromethane (Surr)	113	5.975	5.975	0.000	93	364177	50.0	54.9	
52 1,1,1-Trichloroethane	97	5.975	5.975	0.000	63	255869	20.0	22.6	
53 Cyclohexane	56	6.067	6.072	-0.006	94	290387	20.0	20.5	
55 Carbon tetrachloride	117	6.195	6.194	0.001	84	221079	20.0	23.9	
56 1,1-Dichloropropene	75	6.195	6.200	-0.005	93	213793	20.0	20.0	
57 Isobutyl alcohol	41	6.426	6.432	-0.006	95	289220	500.0	486.5	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.444	6.456	-0.012	83	79336	50.0	53.7	
59 Benzene	78	6.469	6.475	-0.006	96	639654	20.0	20.4	
60 1,2-Dichloroethane	62	6.554	6.560	-0.006	97	216643	20.0	20.5	
62 Tert-amyl methyl ether	73	6.688	6.694	-0.006	97	403131	20.0	17.5	
* 63 Fluorobenzene (IS)	96	6.908	6.908	0.000	98	1346834	50.0	50.0	
64 n-Heptane	43	6.932	6.932	0.000	96	182253	20.0	20.1	
65 n-Butanol	56	7.341	7.353	-0.012	94	373979	1000.0	853.7	
66 Trichloroethene	95	7.408	7.408	0.000	97	162814	20.0	21.7	
68 Methylcyclohexane	83	7.719	7.718	0.001	93	252309	20.0	20.3	
69 1,2-Dichloropropane	63	7.761	7.761	0.000	96	162194	20.0	18.9	
70 2-ethoxy-2-methyl butane	87	7.792	7.786	0.006	91	186204	20.0	18.1	
72 1,4-Dioxane	88	7.871	7.865	0.006	38	51357	500.0	561.8	
73 Dibromomethane	93	7.865	7.871	-0.006	97	102513	20.0	21.2	
74 Methyl methacrylate	69	7.877	7.877	0.000	94	112743	20.0	16.6	
76 Dichlorobromomethane	83	8.133	8.133	0.000	99	197608	20.0	20.8	
77 2-Nitropropane	41	8.426	8.432	-0.006	98	58146	20.0	24.8	
78 2-Chloroethyl vinyl ether	63	8.529	8.535	-0.006	93	82025	20.0	14.9	
79 cis-1,3-Dichloropropene	75	8.718	8.718	0.000	93	210729	20.0	17.5	
83 4-Methyl-2-pentanone (MIBK)	43	8.926	8.926	0.000	98	3428311	250.0	215.8	
$ 84 Toluene-d8 (Surr)	98	9.060	9.060	0.000	94	1279785	50.0	59.9	
85 Toluene	92	9.145	9.151	-0.006	98	369187	20.0	24.8	
86 trans-1,3-Dichloropropene	75	9.462	9.462	0.000	95	166848	20.0	18.9	
87 Ethyl methacrylate	69	9.548	9.547	0.001	91	173436	20.0	16.8	
88 1,1,2-Trichloroethane	97	9.688	9.688	0.000	92	113130	20.0	21.7	
89 Tetrachloroethene	166	9.767	9.767	0.000	97	152767	20.0	27.5	
91 1,3-Dichloropropane	76	9.871	9.870	0.001	93	170713	20.0	18.9	
92 2-Hexanone	43	9.944	9.944	0.000	98	1840270	250.0	196.9	
100 Chlorodibromomethane	129	10.096	10.096	0.000	89	125874	20.0	22.8	
101 Ethylene Dibromide	107	10.212	10.206	0.006	98	108938	20.0	20.4	
* 128 Chlorobenzene-d5 (IS)	117	10.681	10.687	-0.006	86	778112	50.0	50.0	
130 Chlorobenzene	112	10.712	10.712	0.000	93	336149	20.0	21.9	
129 1-Chlorohexane	91	10.712	10.712	0.000	66	151361	20.0	20.2	
131 1,1,1,2-Tetrachloroethane	131	10.803	10.809	-0.006	95	140179	20.0	23.9	
132 Ethylbenzene	91	10.816	10.815	0.001	99	625830	20.0	20.7	
133 m-Xylene & p-Xylene	106	10.944	10.943	0.001	99	487434	40.0	44.6	
136 o-Xylene	106	11.291	11.291	0.000	96	268980	20.0	23.7	
137 Styrene	104	11.309	11.309	0.000	95	390878	20.0	22.0	
138 Bromoform	173	11.468	11.468	0.000	97	106579	20.0	25.9	
139 Isopropylbenzene	105	11.614	11.614	0.000	96	750003	20.0	29.3	
$ 143 4-Bromofluorobenzene (Surr)	95	11.761	11.760	0.001	90	424288	50.0	51.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
144 Bromobenzene	156	11.876	11.876	0.000	97	158387	20.0	21.4	
145 1,1,2,2-Tetrachloroethane	83	11.882	11.882	0.000	94	244585	20.0	19.0	
146 trans-1,4-Dichloro-2-butene	53	11.907	11.907	0.000	93	313154	100.0	80.7	
147 1,2,3-Trichloropropane	110	11.925	11.925	0.000	85	64075	20.0	19.6	
148 N-Propylbenzene	91	11.962	11.962	0.000	99	851968	20.0	21.1	
150 2-Chlorotoluene	126	12.035	12.035	0.000	96	169352	20.0	22.3	
152 1,3,5-Trimethylbenzene	105	12.108	12.108	0.000	94	591229	20.0	21.6	
153 4-Chlorotoluene	126	12.132	12.132	0.000	98	153992	20.0	20.9	
154 tert-Butylbenzene	134	12.358	12.358	0.000	93	96493	20.0	21.7	
156 1,2,4-Trimethylbenzene	105	12.401	12.400	0.001	98	596542	20.0	21.1	
158 sec-Butylbenzene	105	12.529	12.528	0.001	95	697145	20.0	22.4	
159 1,3-Dichlorobenzene	146	12.626	12.626	0.000	98	300902	20.0	21.8	
160 4-Isopropyltoluene	119	12.644	12.644	0.000	97	592854	20.0	22.5	
* 163 1,4-Dichlorobenzene-d4	152	12.681	12.681	0.000	95	491877	50.0	50.0	
164 1,4-Dichlorobenzene	146	12.699	12.699	0.000	96	303213	20.0	21.9	
165 1,2,3-Trimethylbenzene	105	12.718	12.717	0.001	98	625120	20.0	21.5	
166 Benzyl chloride	91	12.785	12.785	0.000	99	426130	20.0	17.6	
167 1,3-Diethylbenzene	119	12.852	12.852	0.000	96	347333	20.0	23.5	
168 p-Diethylbenzene	119	12.925	12.925	0.000	94	360142	20.0	23.1	
169 n-Butylbenzene	92	12.949	12.949	0.000	97	293404	20.0	21.8	
171 1,2-Dichlorobenzene	146	12.968	12.967	0.001	98	319476	20.0	22.5	
172 o-diethylbenzene	119	12.998	12.998	0.000	96	289329	20.0	23.1	
173 1,2-Dibromo-3-Chloropropane	75	13.535	13.534	0.001	82	63666	20.0	18.1	
175 1,3,5-Trichlorobenzene	180	13.663	13.662	0.001	96	218167	20.0	24.2	
176 1,2,4-Trichlorobenzene	180	14.095	14.095	0.000	94	207195	20.0	23.4	
178 Hexachlorobutadiene	225	14.187	14.187	0.000	96	76721	20.0	26.3	
179 Naphthalene	128	14.278	14.278	0.000	97	789272	20.0	20.0	
180 1,2,3-Trichlorobenzene	180	14.425	14.424	0.001	95	209287	20.0	23.5	
181 2-Methylnaphthalene	142	15.034	15.034	0.000	92	365213	20.0	20.5	

QC Flag Legend

Processing Flags

Reagents:

MSV_LCS_Gases_00262	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00239	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00241	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00232	Amount Added: 50.00	Units: uL	
MSV_Cent_ISSS_00043	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 06-Aug-2025 10:28:56 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X03.D

Injection Date: 06-Aug-2025 09:23:30 Instrument ID: 26285 Operator ID: clm27445

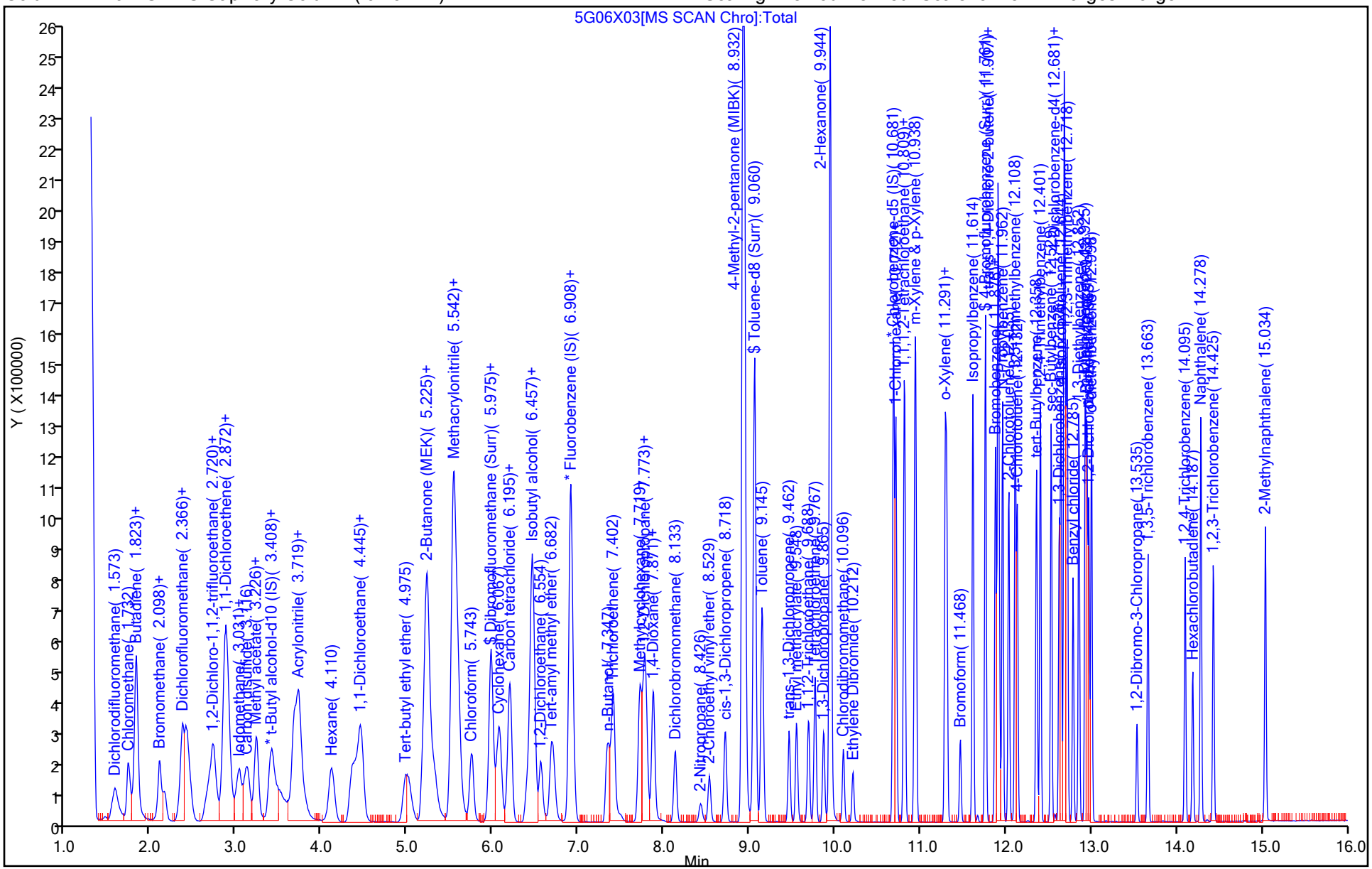
Lims ID: LCS Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: MSVoa_26285a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X03.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 06-Aug-2025 09:23:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155647-004
Operator ID: clm27445 Instrument ID: 26285

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 10:28:15 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1711

First Level Reviewer: TQ4J Date: 06-Aug-2025 09:52:45

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	54.9	109.78
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	53.7	107.44
$ 84 Toluene-d8 (Surr)	50.0	59.9	119.84
$ 143 4-Bromofluorobenzene (Surr)	50.0	51.0	101.91

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 410-681349/5

Matrix: Water Lab File ID: 5G06X04.D

Analysis Method: 8260D Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/06/2025 09:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 681349 Units: ug/L

Preparation Batch No.: Instrument ID: 26285

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-63-0	2-Propanol	118.1		100	50.0
67-64-1	Acetone	325.8		20.0	2.00

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		80-120
1868-53-7	Dibromofluoromethane (Surr)	110		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		80-120
2037-26-5	Toluene-d8 (Surr)	112		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X04.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 06-Aug-2025 09:43:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155647-005
Operator ID: clm27445 Instrument ID: 26285

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 10:28:15 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1711

First Level Reviewer: TQ4J Date: 06-Aug-2025 10:06:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.579	1.585	-0.006	99	289429	20.0	22.6	
4 Chloromethane	50	1.738	1.744	-0.006	99	315905	20.0	18.7	
5 Butadiene	39	1.835	1.829	0.006	98	341839	20.0	19.5	
6 Vinyl chloride	62	1.835	1.835	0.000	82	287074	20.0	20.6	
9 Bromomethane	94	2.110	2.104	0.006	91	178009	20.0	19.6	
10 Chloroethane	64	2.159	2.165	-0.006	99	150291	20.0	19.5	
11 Dichlorofluoromethane	67	2.372	2.372	0.000	97	443223	20.0	18.6	
13 Trichlorofluoromethane	101	2.427	2.415	0.012	97	320658	20.0	22.6	
12 Pentane	43	2.433	2.433	0.000	95	289786	20.0	20.0	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.695	2.689	0.006	94	225526	20.0	19.4	
17 Acrolein	56	2.744	2.744	0.000	98	452262	146.3	216.2	
18 1,1-Dichloroethene	96	2.866	2.866	0.000	96	171075	20.0	25.6	
19 Acetone	58	2.884	2.884	0.000	100	333635	250.0	325.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.902	2.896	0.006	93	181211	20.0	23.6	
21 Iodomethane	142	3.036	3.036	0.000	99	311036	20.0	23.8	
22 Isopropyl alcohol	45	3.043	3.055	-0.012	39	143051	150.0	118.1	
23 Carbon disulfide	76	3.122	3.128	-0.006	100	568509	20.0	20.5	
25 Methyl acetate	43	3.219	3.225	-0.006	97	218148	20.0	19.0	
26 3-Chloro-1-propene	41	3.250	3.244	0.006	89	269464	20.0	16.8	
28 Methylene Chloride	84	3.421	3.414	0.007	95	188801	20.0	22.2	
* 29 t-Butyl alcohol-d10 (IS)	65	3.469	3.463	0.006	93	436323	250.0	250.0	
30 2-Methyl-2-propanol	59	3.536	3.542	-0.006	98	398203	200.0	196.5	
31 Acrylonitrile	53	3.683	3.683	0.000	97	535416	100.0	90.1	
32 trans-1,2-Dichloroethene	96	3.738	3.738	0.000	96	169446	20.0	23.3	
33 Methyl tert-butyl ether	73	3.756	3.744	0.012	98	452546	20.0	17.5	
34 Hexane	57	4.122	4.122	0.000	95	206841	20.0	21.2	
36 1,1-Dichloroethane	63	4.365	4.353	0.012	96	313699	20.0	20.4	
38 Isopropyl ether	45	4.426	4.420	0.006	96	512219	20.0	16.5	
39 2-Chloro-1,3-butadiene	53	4.469	4.463	0.006	92	254489	20.0	18.6	
40 Tert-butyl ethyl ether	59	5.000	4.999	0.001	98	442836	20.0	16.2	
42 2-Butanone (MEK)	43	5.225	5.225	0.000	99	1765869	250.0	211.0	
43 cis-1,2-Dichloroethene	96	5.231	5.231	0.000	84	187835	20.0	21.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 2,2-Dichloropropane	77	5.256	5.256	0.000	94	245023	20.0	19.6	
45 Propionitrile	54	5.323	5.323	0.000	98	340063	150.0	195.5	
47 Methacrylonitrile	67	5.542	5.536	0.006	95	735599	150.0	143.4	
48 Chlorobromomethane	128	5.579	5.585	-0.006	87	87759	20.0	23.2	
49 Tetrahydrofuran	71	5.591	5.591	0.000	88	195307	100.0	142.1	
50 Chloroform	83	5.755	5.749	0.006	94	306423	20.0	21.6	
$ 51 Dibromofluoromethane (Surr)	113	5.981	5.975	0.006	93	388710	50.0	55.1	
52 1,1,1-Trichloroethane	97	5.981	5.975	0.006	64	266943	20.0	22.2	
53 Cyclohexane	56	6.079	6.072	0.007	94	304803	20.0	20.2	
55 Carbon tetrachloride	117	6.188	6.194	-0.006	79	236204	20.0	24.0	
56 1,1-Dichloropropene	75	6.200	6.200	0.000	94	232507	20.0	20.5	
57 Isobutyl alcohol	41	6.432	6.432	0.000	93	307473	500.0	470.1	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.457	6.456	0.001	87	85607	50.0	54.5	
59 Benzene	78	6.481	6.475	0.006	97	682537	20.0	20.5	
60 1,2-Dichloroethane	62	6.560	6.560	0.000	98	238670	20.0	21.3	
62 Tert-amyl methyl ether	73	6.694	6.694	0.000	97	428820	20.0	17.5	
* 63 Fluorobenzene (IS)	96	6.908	6.908	0.000	98	1432780	50.0	50.0	
64 n-Heptane	43	6.932	6.932	0.000	96	188496	20.0	19.6	
65 n-Butanol	56	7.347	7.353	-0.006	93	407529	1000.0	845.5	
66 Trichloroethene	95	7.414	7.408	0.006	98	174820	20.0	21.9	
68 Methylcyclohexane	83	7.718	7.718	0.000	93	264208	20.0	20.0	
69 1,2-Dichloropropane	63	7.761	7.761	0.000	96	168588	20.0	18.5	
70 2-ethoxy-2-methyl butane	87	7.792	7.786	0.006	90	197200	20.0	18.0	
72 1,4-Dioxane	88	7.859	7.865	-0.006	78	56516	500.0	562.0	
73 Dibromomethane	93	7.877	7.871	0.006	87	108362	20.0	21.1	
74 Methyl methacrylate	69	7.877	7.877	0.000	92	119208	20.0	16.5	
76 Dichlorobromomethane	83	8.133	8.133	0.000	99	207624	20.0	20.5	
77 2-Nitropropane	41	8.432	8.432	0.000	98	59879	20.0	23.2	
78 2-Chloroethyl vinyl ether	63	8.529	8.535	-0.006	92	90645	20.0	15.5	
79 cis-1,3-Dichloropropene	75	8.718	8.718	0.000	94	225939	20.0	17.6	
83 4-Methyl-2-pentanone (MIBK)	43	8.932	8.926	0.006	98	3595455	250.0	212.8	
$ 84 Toluene-d8 (Surr)	98	9.060	9.060	0.000	94	1330795	50.0	55.9	
85 Toluene	92	9.151	9.151	0.000	97	387723	20.0	23.4	
86 trans-1,3-Dichloropropene	75	9.462	9.462	0.000	96	187866	20.0	19.0	
87 Ethyl methacrylate	69	9.554	9.547	0.007	91	197413	20.0	17.2	
88 1,1,2-Trichloroethane	97	9.688	9.688	0.000	90	134906	20.0	23.2	
89 Tetrachloroethene	166	9.767	9.767	0.000	97	167993	20.0	27.1	
91 1,3-Dichloropropane	76	9.871	9.870	0.000	94	207809	20.0	20.6	
92 2-Hexanone	43	9.944	9.944	0.000	98	2333436	250.0	224.0	
100 Chlorodibromomethane	129	10.102	10.096	0.006	90	147312	20.0	23.9	
101 Ethylene Dibromide	107	10.212	10.206	0.006	99	129387	20.0	21.7	
* 128 Chlorobenzene-d5 (IS)	117	10.687	10.687	0.000	86	867564	50.0	50.0	
130 Chlorobenzene	112	10.712	10.712	0.000	93	382074	20.0	22.3	
129 1-Chlorohexane	91	10.712	10.712	0.000	68	174722	20.0	20.9	
131 1,1,1,2-Tetrachloroethane	131	10.809	10.809	0.000	95	159540	20.0	24.4	
132 Ethylbenzene	91	10.815	10.815	0.000	99	738566	20.0	22.0	
133 m-Xylene & p-Xylene	106	10.943	10.943	0.000	99	570695	40.0	46.8	
136 o-Xylene	106	11.291	11.291	0.000	96	296798	20.0	23.5	
137 Styrene	104	11.309	11.309	0.000	94	429050	20.0	21.7	
138 Bromoform	173	11.468	11.468	0.000	96	112522	20.0	24.5	
139 Isopropylbenzene	105	11.614	11.614	0.000	96	774846	20.0	27.1	
$ 143 4-Bromofluorobenzene (Surr)	95	11.760	11.760	0.000	91	451725	50.0	48.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
144 Bromobenzene	156	11.876	11.876	0.000	96	167527	20.0	21.7	
145 1,1,2,2-Tetrachloroethane	83	11.882	11.882	0.000	94	251659	20.0	18.8	
146 trans-1,4-Dichloro-2-butene	53	11.907	11.907	0.000	95	331304	100.0	81.7	
147 1,2,3-Trichloropropane	110	11.925	11.925	0.000	85	64833	20.0	19.0	
148 N-Propylbenzene	91	11.962	11.962	0.000	99	876157	20.0	20.8	
150 2-Chlorotoluene	126	12.035	12.035	0.000	96	170687	20.0	21.5	
152 1,3,5-Trimethylbenzene	105	12.108	12.108	0.000	93	613586	20.0	21.5	
153 4-Chlorotoluene	126	12.132	12.132	0.000	98	159594	20.0	20.7	
154 tert-Butylbenzene	134	12.358	12.358	0.000	94	103453	20.0	22.2	
156 1,2,4-Trimethylbenzene	105	12.401	12.400	0.000	98	620755	20.0	21.0	
158 sec-Butylbenzene	105	12.529	12.528	0.001	95	732850	20.0	22.6	
159 1,3-Dichlorobenzene	146	12.626	12.626	0.000	98	318544	20.0	22.1	
160 4-Isopropyltoluene	119	12.644	12.644	0.000	97	604956	20.0	22.0	
* 163 1,4-Dichlorobenzene-d4	152	12.681	12.681	0.000	95	513594	50.0	50.0	
164 1,4-Dichlorobenzene	146	12.699	12.699	0.000	95	309993	20.0	21.4	
165 1,2,3-Trimethylbenzene	105	12.718	12.717	0.001	99	645526	20.0	21.3	
166 Benzyl chloride	91	12.785	12.785	0.000	99	443093	20.0	17.5	
167 1,3-Diethylbenzene	119	12.852	12.852	0.000	95	353953	20.0	22.9	
168 p-Diethylbenzene	119	12.925	12.925	0.000	95	367457	20.0	22.5	
169 n-Butylbenzene	92	12.943	12.949	-0.006	98	301299	20.0	21.5	
171 1,2-Dichlorobenzene	146	12.967	12.967	0.000	98	333270	20.0	22.5	
172 o-diethylbenzene	119	12.998	12.998	0.000	97	294598	20.0	22.5	
173 1,2-Dibromo-3-Chloropropane	75	13.534	13.534	0.000	83	60863	20.0	16.5	
175 1,3,5-Trichlorobenzene	180	13.662	13.662	0.000	97	212309	20.0	22.5	
176 1,2,4-Trichlorobenzene	180	14.095	14.095	0.000	94	204239	20.0	22.1	
178 Hexachlorobutadiene	225	14.187	14.187	0.000	97	75740	20.0	24.9	
179 Naphthalene	128	14.278	14.278	0.000	97	716664	20.0	17.4	
180 1,2,3-Trichlorobenzene	180	14.425	14.424	0.000	95	188238	20.0	20.3	
181 2-Methylnaphthalene	142	15.034	15.034	0.000	92	326831	20.0	17.6	

QC Flag Legend

Processing Flags

Reagents:

MSV_LCS_Gases_00262	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00239	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00241	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00232	Amount Added: 50.00	Units: uL	
MSV_Cent_ISSS_00043	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 06-Aug-2025 10:29:02 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X04.D

Injection Date: 06-Aug-2025 09:43:30 Instrument ID: 26285 Operator ID: clm27445

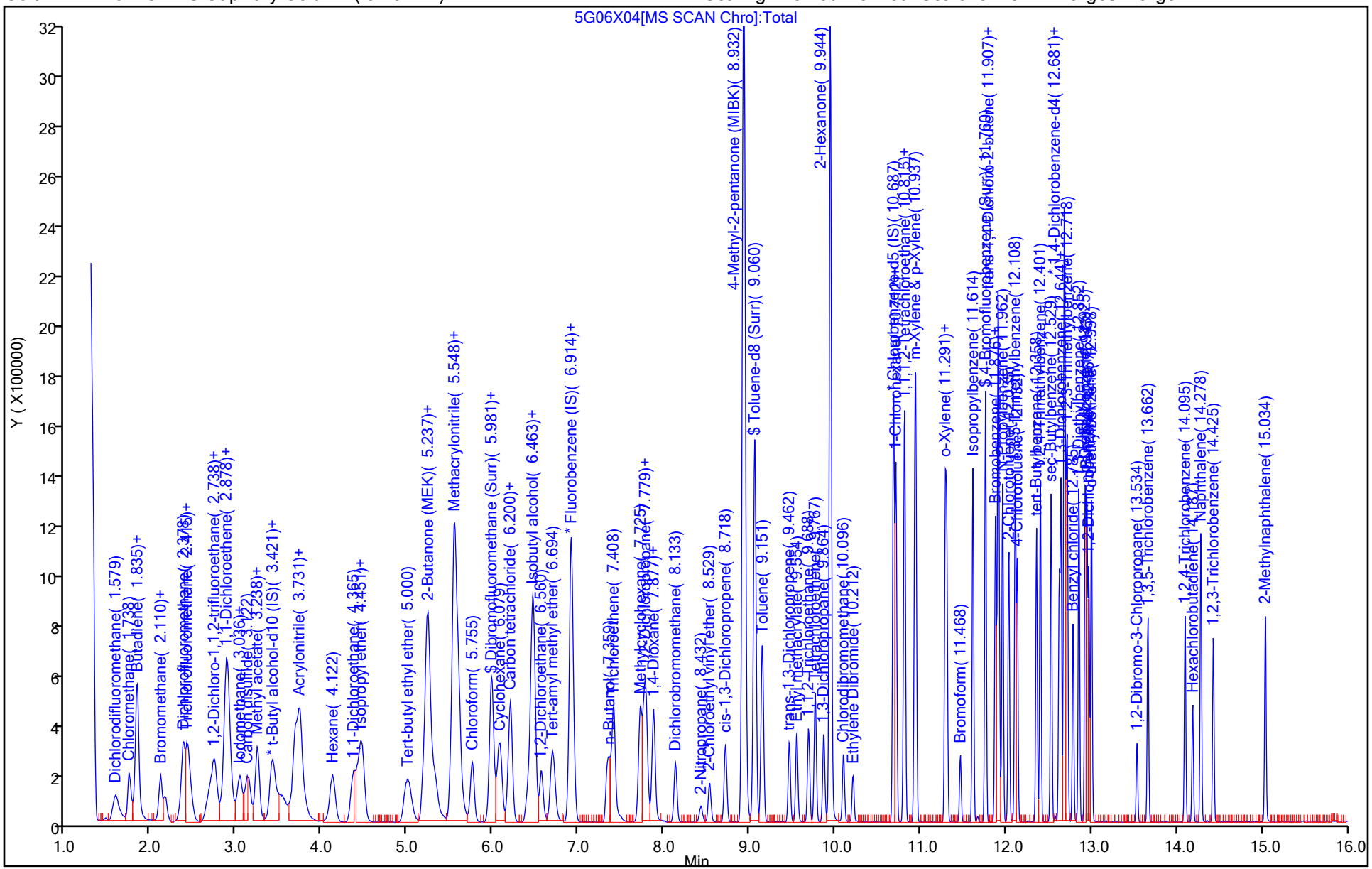
Lims ID: LCSD Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: MSVoa_26285a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X04.D				
Lims ID:	LCSD				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	06-Aug-2025 09:43:30	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155647-005				
Operator ID:	clm27445	Instrument ID:	26285		
Method:	\\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m				
Limit Group:	MSV - 8260C_D				
Last Update:	06-Aug-2025 10:28:15	Calib Date:	21-May-2025 21:16:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1711				

First Level Reviewer: TQ4J Date: 06-Aug-2025 10:06:37

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	55.1	110.15
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	54.5	108.98
$ 84 Toluene-d8 (Surr)	50.0	55.9	111.76
$ 143 4-Bromofluorobenzene (Surr)	50.0	48.7	97.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1AMS MS
Lab Sample ID: 410-234898-4 MS

Matrix: Water
Lab File ID: 5G06X17.D

Analysis Method: 8260D
Date Collected: 07/30/2025 11:05

Sample wt/vol: 5(mL)
Date Analyzed: 08/06/2025 14:16

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681349
Units: ug/L

Preparation Batch No.:
Instrument ID: 26285

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-63-0	2-Propanol	87.27	J	100	50.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		80-120
1868-53-7	Dibromofluoromethane (Surr)	113		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	107		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X17.D
Lims ID: 410-234898-A-4 MS
Client ID: 16WC1AMS
Sample Type: MS
Inject. Date: 06-Aug-2025 14:16:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155647-018
Operator ID: clm27445 Instrument ID: 26285

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 08:56:19 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:56:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.592	1.585	0.007	99	281549	20.0	22.9	
4 Chloromethane	50	1.738	1.744	-0.006	99	295445	20.0	18.1	
5 Butadiene	39	1.836	1.829	0.007	97	353640	20.0	20.9	
6 Vinyl chloride	62	1.836	1.835	0.001	80	279103	20.0	20.8	
9 Bromomethane	94	2.104	2.104	0.000	92	186445	20.0	21.4	
10 Chloroethane	64	2.159	2.165	-0.006	99	153554	20.0	20.8	
11 Dichlorofluoromethane	67	2.372	2.372	0.000	97	453531	20.0	19.8	
13 Trichlorofluoromethane	101	2.427	2.415	0.012	98	336097	20.0	24.6	
12 Pentane	43	2.427	2.433	-0.006	96	275609	20.0	19.8	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.695	2.689	0.006	93	230426	20.0	20.6	
17 Acrolein	56	2.750	2.744	0.006	99	337964	146.3	190.6	
18 1,1-Dichloroethene	96	2.866	2.866	0.000	95	162245	20.0	25.3	
19 Acetone	58	2.884	2.884	0.000	99	283315	250.0	326.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.902	2.896	0.006	93	182142	20.0	24.7	
21 Iodomethane	142	3.037	3.036	0.001	99	295423	20.0	23.5	
22 Isopropyl alcohol	45	3.030	3.055	-0.025	37	89584	150.0	87.3	
23 Carbon disulfide	76	3.128	3.128	0.000	100	547173	20.0	20.5	
25 Methyl acetate	43	3.226	3.225	0.001	98	190397	20.0	17.2	
26 3-Chloro-1-propene	41	3.250	3.244	0.006	89	244103	20.0	15.8	
28 Methylene Chloride	84	3.415	3.414	0.001	96	177664	20.0	21.7	
* 29 t-Butyl alcohol-d10 (IS)	65	3.451	3.463	-0.012	91	369880	250.0	250.0	
30 2-Methyl-2-propanol	59	3.567	3.542	0.025	98	314492	200.0	183.1	M
31 Acrylonitrile	53	3.689	3.683	0.006	97	467502	100.0	81.9	
32 trans-1,2-Dichloroethene	96	3.744	3.738	0.006	97	163947	20.0	23.5	
33 Methyl tert-butyl ether	73	3.750	3.744	0.006	96	414127	20.0	16.6	
34 Hexane	57	4.122	4.122	0.000	95	202021	20.0	21.6	
36 1,1-Dichloroethane	63	4.359	4.353	0.006	97	331461	20.0	22.4	
38 Isopropyl ether	45	4.420	4.420	0.000	95	466568	20.0	15.6	
39 2-Chloro-1,3-butadiene	53	4.469	4.463	0.006	93	245580	20.0	18.7	
40 Tert-butyl ethyl ether	59	5.006	4.999	0.007	98	386362	20.0	14.7	
42 2-Butanone (MEK)	43	5.225	5.225	0.000	99	1522319	250.0	189.2	
43 cis-1,2-Dichloroethene	96	5.237	5.231	0.006	84	194590	20.0	23.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 2,2-Dichloropropane	77	5.262	5.256	0.006	93	242159	20.0	20.1	
45 Propionitrile	54	5.329	5.323	0.006	97	280486	150.0	190.2	
47 Methacrylonitrile	67	5.548	5.536	0.012	95	655665	150.0	132.9	
48 Chlorobromomethane	128	5.597	5.585	0.012	96	85169	20.0	23.4	
49 Tetrahydrofuran	71	5.597	5.591	0.006	87	168593	100.0	144.7	
50 Chloroform	83	5.762	5.749	0.013	94	293902	20.0	21.5	
$ 51 Dibromofluoromethane (Surr)	113	5.987	5.975	0.012	93	381892	50.0	56.3	
52 1,1,1-Trichloroethane	97	5.981	5.975	0.006	62	260852	20.0	22.6	
53 Cyclohexane	56	6.079	6.072	0.007	94	298061	20.0	20.5	
55 Carbon tetrachloride	117	6.201	6.194	0.007	95	233815	20.0	24.8	
56 1,1-Dichloropropene	75	6.207	6.200	0.007	95	227076	20.0	20.8	
57 Isobutyl alcohol	41	6.432	6.432	0.000	87	242140	500.0	436.7	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.457	6.456	0.001	83	84193	50.0	55.7	
59 Benzene	78	6.481	6.475	0.006	96	665996	20.0	20.8	
60 1,2-Dichloroethane	62	6.566	6.560	0.006	98	216385	20.0	20.0	
62 Tert-amyl methyl ether	73	6.700	6.694	0.006	97	384055	20.0	16.3	
* 63 Fluorobenzene (IS)	96	6.914	6.908	0.006	98	1377747	50.0	50.0	
64 n-Heptane	43	6.938	6.932	0.006	95	188331	20.0	20.3	
65 n-Butanol	56	7.353	7.353	0.000	95	298701	1000.0	731.1	
66 Trichloroethene	95	7.414	7.408	0.006	98	168363	20.0	21.9	
68 Methylcyclohexane	83	7.725	7.718	0.007	94	266840	20.0	21.0	
69 1,2-Dichloropropane	63	7.767	7.761	0.006	95	162375	20.0	18.5	
70 2-ethoxy-2-methyl butane	87	7.786	7.786	0.000	89	178295	20.0	16.9	
72 1,4-Dioxane	88	7.871	7.865	0.006	77	36759	500.0	431.2	M
73 Dibromomethane	93	7.877	7.871	0.006	96	101547	20.0	20.6	
74 Methyl methacrylate	69	7.877	7.877	0.000	91	106981	20.0	15.4	
76 Dichlorobromomethane	83	8.133	8.133	0.000	99	197181	20.0	20.3	
77 2-Nitropropane	41	8.432	8.432	0.000	97	54846	20.0	25.1	
78 2-Chloroethyl vinyl ether	63	8.542	8.535	0.007	10	1401	20.0	0.2491	
79 cis-1,3-Dichloropropene	75	8.724	8.718	0.006	94	197953	20.0	16.0	
83 4-Methyl-2-pentanone (MIBK)	43	8.932	8.926	0.006	98	3211192	250.0	197.6	
$ 84 Toluene-d8 (Surr)	98	9.066	9.060	0.006	94	1305683	50.0	53.5	
85 Toluene	92	9.151	9.151	0.000	97	372654	20.0	21.9	
86 trans-1,3-Dichloropropene	75	9.468	9.462	0.006	96	169017	20.0	16.7	
87 Ethyl methacrylate	69	9.554	9.547	0.007	90	173761	20.0	14.7	
88 1,1,2-Trichloroethane	97	9.694	9.688	0.006	90	124913	20.0	21.0	
89 Tetrachloroethene	166	9.773	9.767	0.006	97	169400	20.0	26.7	
91 1,3-Dichloropropane	76	9.871	9.870	0.001	94	189916	20.0	18.4	
92 2-Hexanone	43	9.944	9.944	0.000	99	2087503	250.0	195.5	
100 Chlorodibromomethane	129	10.102	10.096	0.006	90	138128	20.0	21.9	
101 Ethylene Dibromide	107	10.212	10.206	0.006	98	118791	20.0	19.5	
* 128 Chlorobenzene-d5 (IS)	117	10.688	10.687	0.001	86	889003	50.0	50.0	
130 Chlorobenzene	112	10.718	10.712	0.006	93	389921	20.0	22.2	
129 1-Chlorohexane	91	10.718	10.712	0.006	67	184774	20.0	21.6	
131 1,1,1,2-Tetrachloroethane	131	10.809	10.809	0.000	95	154045	20.0	23.0	
132 Ethylbenzene	91	10.816	10.815	0.001	99	746332	20.0	21.7	
133 m-Xylene & p-Xylene	106	10.944	10.943	0.001	100	568913	40.0	45.6	
136 o-Xylene	106	11.291	11.291	0.000	97	290053	20.0	22.4	
137 Styrene	104	11.309	11.309	0.000	95	423805	20.0	20.9	
138 Bromoform	173	11.468	11.468	0.000	95	99775	20.0	21.2	
139 Isopropylbenzene	105	11.614	11.614	0.000	96	764332	20.0	26.1	
$ 143 4-Bromofluorobenzene (Surr)	95	11.760	11.760	0.000	91	445038	50.0	46.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
144 Bromobenzene	156	11.876	11.876	0.000	95	165245	20.0	21.0	
145 1,1,2,2-Tetrachloroethane	83	11.882	11.882	0.000	94	235497	20.0	17.2	
146 trans-1,4-Dichloro-2-butene	53	11.907	11.907	0.000	92	286725	100.0	69.4	
147 1,2,3-Trichloropropane	110	11.925	11.925	0.000	85	61911	20.0	17.8	
148 N-Propylbenzene	91	11.962	11.962	0.000	99	900058	20.0	20.9	
150 2-Chlorotoluene	126	12.035	12.035	0.000	96	171110	20.0	21.2	
152 1,3,5-Trimethylbenzene	105	12.108	12.108	0.000	94	605765	20.0	20.8	
153 4-Chlorotoluene	126	12.132	12.132	0.000	98	161505	20.0	20.6	
154 tert-Butylbenzene	134	12.358	12.358	0.000	94	99770	20.0	21.0	
156 1,2,4-Trimethylbenzene	105	12.401	12.400	0.001	97	604151	20.0	20.1	
158 sec-Butylbenzene	105	12.529	12.528	0.001	95	726088	20.0	21.9	
159 1,3-Dichlorobenzene	146	12.626	12.626	0.000	98	316400	20.0	21.5	
160 4-Isopropyltoluene	119	12.644	12.644	0.000	97	607262	20.0	21.7	
* 163 1,4-Dichlorobenzene-d4	152	12.681	12.681	0.000	95	523379	50.0	50.0	
164 1,4-Dichlorobenzene	146	12.699	12.699	0.000	95	314265	20.0	21.3	
165 1,2,3-Trimethylbenzene	105	12.718	12.717	0.001	99	631825	20.0	20.4	
166 Benzyl chloride	91	12.785	12.785	0.000	99	413123	20.0	16.0	
167 1,3-Diethylbenzene	119	12.852	12.852	0.000	95	349476	20.0	22.2	
168 p-Diethylbenzene	119	12.925	12.925	0.000	93	369531	20.0	22.3	
169 n-Butylbenzene	92	12.949	12.949	0.000	98	309828	20.0	21.7	
171 1,2-Dichlorobenzene	146	12.968	12.967	0.001	98	325793	20.0	21.5	
172 o-diethylbenzene	119	13.004	12.998	0.006	95	290596	20.0	21.8	
173 1,2-Dibromo-3-Chloropropane	75	13.535	13.534	0.000	80	54617	20.0	14.6	
175 1,3,5-Trichlorobenzene	180	13.663	13.662	0.001	98	191565	20.0	20.0	
176 1,2,4-Trichlorobenzene	180	14.095	14.095	0.000	94	180856	20.0	19.2	
178 Hexachlorobutadiene	225	14.187	14.187	0.000	96	70827	20.0	22.8	
179 Naphthalene	128	14.278	14.278	0.000	97	675732	20.0	16.1	
180 1,2,3-Trichlorobenzene	180	14.431	14.424	0.007	96	193071	20.0	20.4	
181 2-Methylnaphthalene	142	15.034	15.034	0.000	92	308747	20.0	16.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_2CEVE_00241	Amount Added: 21.50	Units: uL	
MSV_LCS_ACROL_00239	Amount Added: 21.50	Units: uL	
MSV_LCS_Gases_00262	Amount Added: 21.50	Units: uL	
MSV_LCS_VOC#1_00232	Amount Added: 21.50	Units: uL	
MSV_Cent_ISSS_00043	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 07-Aug-2025 08:56:21 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X17.D

Injection Date: 06-Aug-2025 14:16:30 Instrument ID: 26285 Operator ID: clm27445

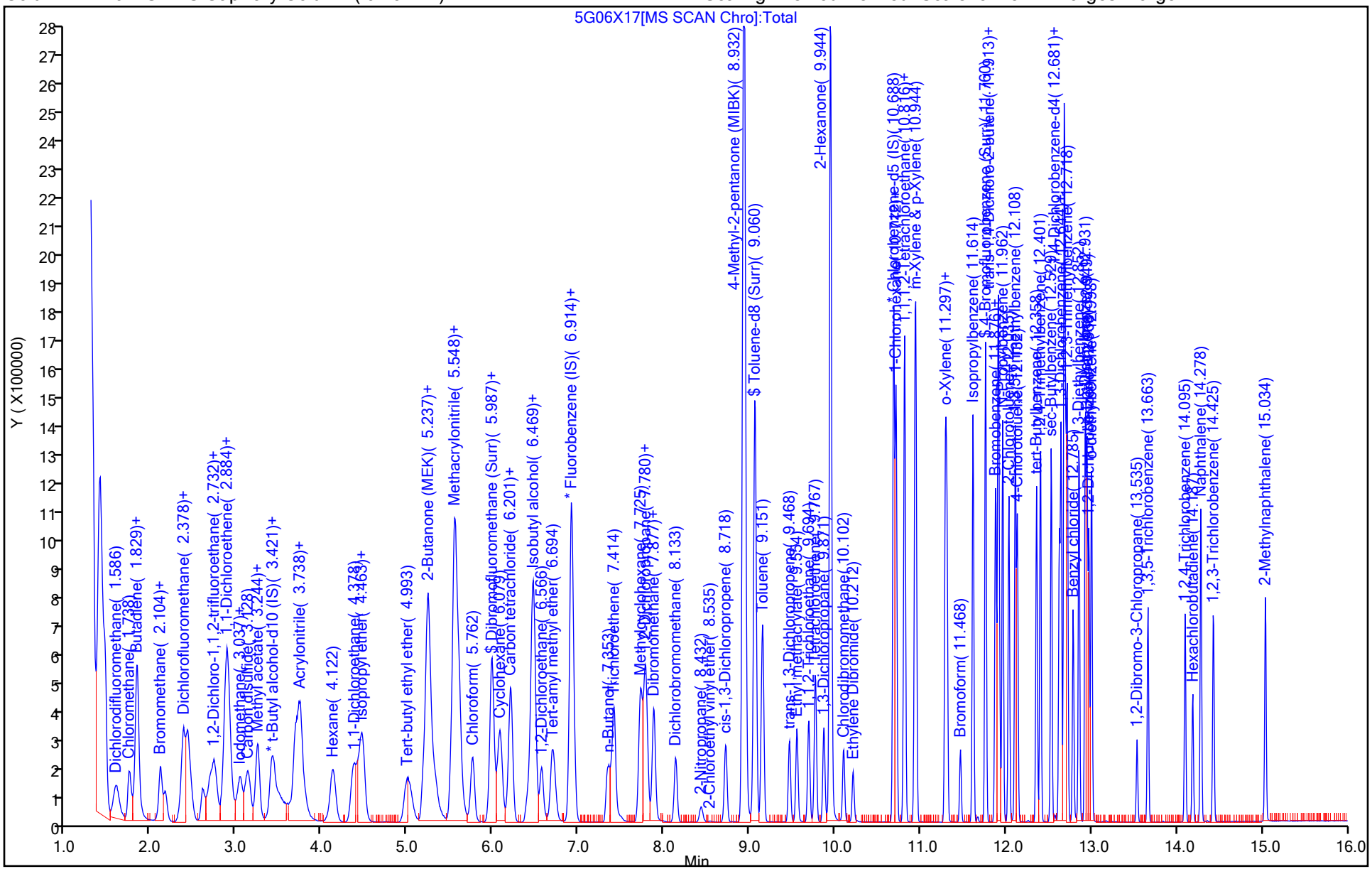
Lims ID: 410-234898-A-4 MS Worklist Smp#: 18

Client ID: 16WC1AMS

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 17

Method: MSVoa_26285a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X17.D
Lims ID: 410-234898-A-4 MS
Client ID: 16WC1AMS
Sample Type: MS
Inject. Date: 06-Aug-2025 14:16:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155647-018
Operator ID: clm27445 Instrument ID: 26285

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 08:56:19 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:56:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	56.3	112.54
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	55.7	111.46
$ 84 Toluene-d8 (Surr)	50.0	53.5	107.01
$ 143 4-Bromofluorobenzene (Surr)	50.0	46.8	93.56

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1AMSD MSD
Lab Sample ID: 410-234898-4 MSD

Matrix: Water
Lab File ID: 5G06X18.D

Analysis Method: 8260D
Date Collected: 07/30/2025 11:05

Sample wt/vol: 5(mL)
Date Analyzed: 08/06/2025 14:37

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 5.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681349
Units: ug/L

Preparation Batch No.:
Instrument ID: 26285

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-63-0	2-Propanol	90.83	J	100	50.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		80-120
1868-53-7	Dibromofluoromethane (Surr)	110		80-120
460-00-4	4-Bromofluorobenzene (Surr)	92		80-120
2037-26-5	Toluene-d8 (Surr)	108		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X18.D
Lims ID: 410-234898-A-4 MSD
Client ID: 16WC1AMSD
Sample Type: MSD
Inject. Date: 06-Aug-2025 14:37:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155647-019
Operator ID: clm27445 Instrument ID: 26285

Method: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 08:56:19 Calib Date: 21-May-2025 21:16:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:56:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Dichlorodifluoromethane	85	1.592	1.585	0.007	99	282046	20.0	22.1	
4 Chloromethane	50	1.744	1.744	0.000	99	296091	20.0	17.5	
5 Butadiene	39	1.836	1.829	0.007	95	353068	20.0	20.2	
6 Vinyl chloride	62	1.842	1.835	0.007	77	286954	20.0	20.6	
9 Bromomethane	94	2.110	2.104	0.006	92	185009	20.0	20.4	
10 Chloroethane	64	2.159	2.165	-0.006	98	153081	20.0	20.0	
11 Dichlorofluoromethane	67	2.372	2.372	0.000	97	453309	20.0	19.1	
13 Trichlorofluoromethane	101	2.427	2.415	0.012	98	337528	20.0	23.8	
12 Pentane	43	2.433	2.433	0.000	97	275725	20.0	19.1	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.695	2.689	0.006	94	235873	20.0	20.4	
17 Acrolein	56	2.744	2.744	0.000	99	372862	146.3	180.5	
18 1,1-Dichloroethene	96	2.872	2.866	0.006	94	164593	20.0	24.8	
19 Acetone	58	2.884	2.884	0.000	98	300212	250.0	296.9	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.902	2.896	0.006	93	184397	20.0	24.1	
21 Iodomethane	142	3.043	3.036	0.007	99	291028	20.0	22.3	
22 Isopropyl alcohol	45	3.024	3.055	-0.031	41	108598	150.0	90.8	
23 Carbon disulfide	76	3.140	3.128	0.012	99	532038	20.0	19.2	
25 Methyl acetate	43	3.225	3.225	0.000	98	198370	20.0	17.3	
26 3-Chloro-1-propene	41	3.250	3.244	0.006	88	250438	20.0	15.7	
28 Methylene Chloride	84	3.414	3.414	0.000	96	182374	20.0	21.5	
* 29 t-Butyl alcohol-d10 (IS)	65	3.463	3.463	0.000	94	430816	250.0	250.0	
30 2-Methyl-2-propanol	59	3.567	3.542	0.025	99	368038	200.0	183.9	
31 Acrylonitrile	53	3.683	3.683	0.000	97	489937	100.0	82.8	
32 trans-1,2-Dichloroethene	96	3.738	3.738	0.000	96	161497	20.0	22.3	
33 Methyl tert-butyl ether	73	3.756	3.744	0.012	95	422782	20.0	16.4	
34 Hexane	57	4.128	4.122	0.006	95	204983	20.0	21.1	
36 1,1-Dichloroethane	63	4.359	4.353	0.006	96	331271	20.0	21.6	
38 Isopropyl ether	45	4.420	4.420	0.000	94	476951	20.0	15.4	
39 2-Chloro-1,3-butadiene	53	4.469	4.463	0.006	93	249732	20.0	18.3	
40 Tert-butyl ethyl ether	59	5.006	4.999	0.007	99	406595	20.0	14.9	
42 2-Butanone (MEK)	43	5.225	5.225	0.000	99	1631301	250.0	195.6	
43 cis-1,2-Dichloroethene	96	5.243	5.231	0.012	84	195433	20.0	22.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 2,2-Dichloropropane	77	5.256	5.256	0.000	92	242700	20.0	19.5	
45 Propionitrile	54	5.329	5.323	0.006	98	309343	150.0	180.1	
47 Methacrylonitrile	67	5.548	5.536	0.012	94	685197	150.0	134.0	
48 Chlorobromomethane	128	5.591	5.585	0.006	86	85482	20.0	22.7	
49 Tetrahydrofuran	71	5.603	5.591	0.012	93	181554	100.0	133.8	
50 Chloroform	83	5.762	5.749	0.013	94	291552	20.0	20.6	
$ 51 Dibromofluoromethane (Surr)	113	5.981	5.975	0.006	93	387926	50.0	55.1	
52 1,1,1-Trichloroethane	97	5.981	5.975	0.006	62	261162	20.0	21.8	
53 Cyclohexane	56	6.085	6.072	0.013	93	298350	20.0	19.8	
55 Carbon tetrachloride	117	6.201	6.194	0.007	96	233134	20.0	23.8	
56 1,1-Dichloropropene	75	6.207	6.200	0.007	95	227933	20.0	20.1	
57 Isobutyl alcohol	41	6.444	6.432	0.012	89	288776	500.0	447.2	
$ 58 1,2-Dichloroethane-d4 (Surr)	102	6.457	6.456	0.001	85	87570	50.0	55.9	
59 Benzene	78	6.475	6.475	0.000	96	660865	20.0	19.9	
60 1,2-Dichloroethane	62	6.566	6.560	0.006	98	218260	20.0	19.5	
62 Tert-amyl methyl ether	73	6.688	6.694	-0.006	97	392245	20.0	16.1	
* 63 Fluorobenzene (IS)	96	6.914	6.908	0.006	98	1428137	50.0	50.0	
64 n-Heptane	43	6.938	6.932	0.006	96	191061	20.0	19.9	
65 n-Butanol	56	7.359	7.353	0.006	94	363299	1000.0	763.4	
66 Trichloroethene	95	7.414	7.408	0.006	99	170267	20.0	21.4	
68 Methylcyclohexane	83	7.725	7.718	0.007	93	265441	20.0	20.2	
69 1,2-Dichloropropane	63	7.761	7.761	0.000	97	164564	20.0	18.1	
70 2-ethoxy-2-methyl butane	87	7.792	7.786	0.006	90	186199	20.0	17.0	
72 1,4-Dioxane	88	7.859	7.865	-0.006	86	50667	500.0	510.2	
73 Dibromomethane	93	7.877	7.871	0.006	95	102274	20.0	20.0	
74 Methyl methacrylate	69	7.883	7.877	0.006	92	107966	20.0	15.0	
76 Dichlorobromomethane	83	8.133	8.133	0.000	98	199078	20.0	19.7	
77 2-Nitropropane	41	8.432	8.432	0.000	96	57360	20.0	22.5	
78 2-Chloroethyl vinyl ether	63		8.535				ND	ND	
79 cis-1,3-Dichloropropene	75	8.718	8.718	0.000	94	203887	20.0	15.9	
83 4-Methyl-2-pentanone (MIBK)	43	8.932	8.926	0.006	98	3299289	250.0	195.9	
$ 84 Toluene-d8 (Surr)	98	9.060	9.060	0.000	94	1339763	50.0	54.0	
85 Toluene	92	9.151	9.151	0.000	98	373980	20.0	21.7	
86 trans-1,3-Dichloropropene	75	9.468	9.462	0.006	96	174120	20.0	17.0	
87 Ethyl methacrylate	69	9.554	9.547	0.007	90	179300	20.0	15.0	
88 1,1,2-Trichloroethane	97	9.694	9.688	0.006	91	123240	20.0	20.4	
89 Tetrachloroethene	166	9.767	9.767	0.000	96	163539	20.0	25.4	
91 1,3-Dichloropropane	76	9.871	9.870	0.001	94	191013	20.0	18.2	
92 2-Hexanone	43	9.944	9.944	0.000	99	2129395	250.0	196.3	
100 Chlorodibromomethane	129	10.102	10.096	0.006	90	134485	20.0	21.0	
101 Ethylene Dibromide	107	10.212	10.206	0.006	98	121818	20.0	19.6	
* 128 Chlorobenzene-d5 (IS)	117	10.687	10.687	0.000	86	903118	50.0	50.0	
130 Chlorobenzene	112	10.712	10.712	0.000	93	378898	20.0	21.2	
129 1-Chlorohexane	91	10.712	10.712	0.000	71	182599	20.0	21.0	
131 1,1,1,2-Tetrachloroethane	131	10.809	10.809	0.000	96	154247	20.0	22.6	
132 Ethylbenzene	91	10.815	10.815	0.000	99	723742	20.0	20.7	
133 m-Xylene & p-Xylene	106	10.944	10.943	0.001	99	547877	40.0	43.2	
136 o-Xylene	106	11.291	11.291	0.000	96	283331	20.0	21.5	
137 Styrene	104	11.309	11.309	0.000	96	410429	20.0	19.9	
138 Bromoform	173	11.468	11.468	0.000	97	98133	20.0	20.5	
139 Isopropylbenzene	105	11.614	11.614	0.000	96	751178	20.0	25.3	
$ 143 4-Bromofluorobenzene (Surr)	95	11.760	11.760	0.000	92	443242	50.0	45.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
144 Bromobenzene	156	11.876	11.876	0.000	96	160472	20.0	20.3	
145 1,1,2,2-Tetrachloroethane	83	11.882	11.882	0.000	93	234993	20.0	17.2	
146 trans-1,4-Dichloro-2-butene	53	11.907	11.907	0.000	92	294581	100.0	71.1	
147 1,2,3-Trichloropropane	110	11.925	11.925	0.000	85	60883	20.0	17.5	
148 N-Propylbenzene	91	11.962	11.962	0.000	99	861474	20.0	20.0	
150 2-Chlorotoluene	126	12.035	12.035	0.000	96	166506	20.0	20.5	
152 1,3,5-Trimethylbenzene	105	12.108	12.108	0.000	94	592903	20.0	20.3	
153 4-Chlorotoluene	126	12.132	12.132	0.000	98	155908	20.0	19.8	
154 tert-Butylbenzene	134	12.358	12.358	0.000	94	100300	20.0	21.1	
156 1,2,4-Trimethylbenzene	105	12.401	12.400	0.001	98	587601	20.0	19.5	
158 sec-Butylbenzene	105	12.529	12.528	0.001	95	707865	20.0	21.3	
159 1,3-Dichlorobenzene	146	12.626	12.626	0.000	98	302396	20.0	20.5	
160 4-Isopropyltoluene	119	12.644	12.644	0.000	97	581329	20.0	20.7	
* 163 1,4-Dichlorobenzene-d4	152	12.687	12.681	0.006	94	524692	50.0	50.0	
164 1,4-Dichlorobenzene	146	12.699	12.699	0.000	95	304754	20.0	20.6	
165 1,2,3-Trimethylbenzene	105	12.718	12.717	0.001	99	612713	20.0	19.8	
166 Benzyl chloride	91	12.785	12.785	0.000	99	407938	20.0	15.8	
167 1,3-Diethylbenzene	119	12.852	12.852	0.000	95	340921	20.0	21.6	
168 p-Diethylbenzene	119	12.931	12.925	0.006	93	357273	20.0	21.5	
169 n-Butylbenzene	92	12.949	12.949	0.000	98	300196	20.0	20.9	
171 1,2-Dichlorobenzene	146	12.968	12.967	0.001	98	316530	20.0	20.9	
172 o-diethylbenzene	119	13.004	12.998	0.006	96	284024	20.0	21.3	
173 1,2-Dibromo-3-Chloropropane	75	13.534	13.534	0.000	79	60916	20.0	16.2	
175 1,3,5-Trichlorobenzene	180	13.662	13.662	0.000	98	214124	20.0	22.2	
176 1,2,4-Trichlorobenzene	180	14.095	14.095	0.000	93	201926	20.0	21.4	
178 Hexachlorobutadiene	225	14.187	14.187	0.000	92	74550	20.0	24.0	
179 Naphthalene	128	14.284	14.278	0.006	97	741797	20.0	17.6	
180 1,2,3-Trichlorobenzene	180	14.425	14.424	0.001	96	187504	20.0	19.8	
181 2-Methylnaphthalene	142	15.034	15.034	0.000	92	287149	20.0	15.1	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

MSV_LCS_VOC#1_00232	Amount Added: 21.50	Units: uL	
MSV_LCS_2CEVE_00241	Amount Added: 21.50	Units: uL	
MSV_LCS_ACROL_00239	Amount Added: 21.50	Units: uL	
MSV_LCS_Gases_00262	Amount Added: 21.50	Units: uL	
MSV_Cent_ISSS_00043	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 07-Aug-2025 08:57:00 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X18.D

Injection Date: 06-Aug-2025 14:37:30 Instrument ID: 26285 Operator ID: clm27445

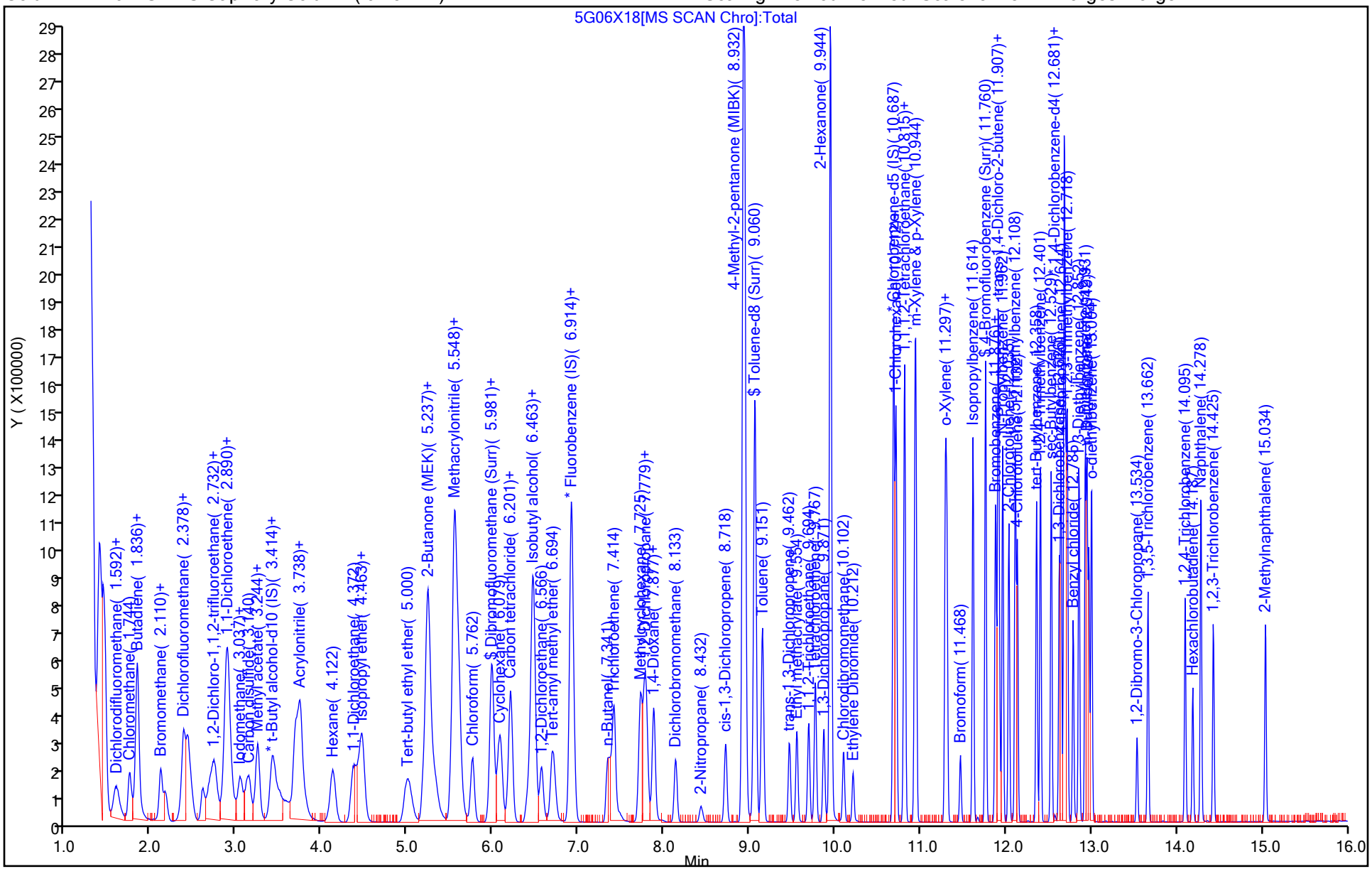
Lims ID: 410-234898-A-4 MSD Worklist Smp#: 19

Client ID: 16WC1AMSD

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 18

Method: MSVoa_26285a Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\26285\20250806-155647.b\5G06X18.D				
Lims ID:	410-234898-A-4 MSD				
Client ID:	16WC1AMSD				
Sample Type:	MSD				
Inject. Date:	06-Aug-2025 14:37:30	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155647-019				
Operator ID:	clm27445	Instrument ID:	26285		
Method:	\\chromfs\Lancaster\ChromData\26285\20250806-155647.b\MSVoa_26285a.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Aug-2025 08:56:19	Calib Date:	21-May-2025 21:16:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\26285\20250521-147895.b\5Y21X17.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:56:59

Compound	Amount Added	Amount Recovered	% Rec.
$ 51 Dibromofluoromethane (Surr)	50.0	55.1	110.28
$ 58 1,2-Dichloroethane-d4 (Surr)	50.0	55.9	111.84
$ 84 Toluene-d8 (Surr)	50.0	54.0	108.09
$ 143 4-Bromofluorobenzene (Surr)	50.0	45.9	91.72

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 26285 Start Date: 02/24/2025 15:31

Analysis Batch Number: 609313 End Date: 02/24/2025 21:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-609313/1		02/24/2025 15:31	1	5F24T01.D	R-624SilMS 30m 0.25(mm)
IC 410-609313/3		02/24/2025 16:04	1		R-624SilMS 30m 0.25(mm)
IC 410-609313/4		02/24/2025 16:24	1		R-624SilMS 30m 0.25(mm)
IC 410-609313/5		02/24/2025 16:44	1		R-624SilMS 30m 0.25(mm)
IC 410-609313/6		02/24/2025 17:05	1		R-624SilMS 30m 0.25(mm)
IC 410-609313/7		02/24/2025 17:25	1		R-624SilMS 30m 0.25(mm)
IC 410-609313/8		02/24/2025 17:46	1		R-624SilMS 30m 0.25(mm)
ICV 410-609313/10		02/24/2025 18:26	1		R-624SilMS 30m 0.25(mm)
IC 410-609313/12		02/24/2025 19:07	1	5F24X11.D	R-624SilMS 30m 0.25(mm)
IC 410-609313/13		02/24/2025 19:27	1	5F24X12.D	R-624SilMS 30m 0.25(mm)
IC 410-609313/14		02/24/2025 19:47	1	5F24X13.D	R-624SilMS 30m 0.25(mm)
IC 410-609313/15		02/24/2025 20:08	1	5F24X14.D	R-624SilMS 30m 0.25(mm)
ICIS 410-609313/16		02/24/2025 20:28	1	5F24X15.D	R-624SilMS 30m 0.25(mm)
IC 410-609313/17		02/24/2025 20:48	1	5F24X16.D	R-624SilMS 30m 0.25(mm)
IC 410-609313/18		02/24/2025 21:09	1	5F24X17.D	R-624SilMS 30m 0.25(mm)
ICV 410-609313/20		02/24/2025 21:49	1		R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 26285 Start Date: 05/21/2025 15:30

Analysis Batch Number: 647030 End Date: 05/21/2025 21:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-647030/1		05/21/2025 15:30	1	5Y21T01.D	R-624SilMS 30m 0.25(mm)
IC 410-647030/3		05/21/2025 16:11	1		R-624SilMS 30m 0.25(mm)
IC 410-647030/4		05/21/2025 16:31	1		R-624SilMS 30m 0.25(mm)
IC 410-647030/5		05/21/2025 16:51	1		R-624SilMS 30m 0.25(mm)
IC 410-647030/6		05/21/2025 17:12	1		R-624SilMS 30m 0.25(mm)
IC 410-647030/7		05/21/2025 17:32	1		R-624SilMS 30m 0.25(mm)
IC 410-647030/8		05/21/2025 17:53	1		R-624SilMS 30m 0.25(mm)
ICV 410-647030/10		05/21/2025 18:33	1	5Y21X09.D	R-624SilMS 30m 0.25(mm)
IC 410-647030/12		05/21/2025 19:14	1	5Y21X11.D	R-624SilMS 30m 0.25(mm)
IC 410-647030/13		05/21/2025 19:35	1	5Y21X12.D	R-624SilMS 30m 0.25(mm)
IC 410-647030/14		05/21/2025 19:55	1	5Y21X13.D	R-624SilMS 30m 0.25(mm)
IC 410-647030/15		05/21/2025 20:15	1	5Y21X14.D	R-624SilMS 30m 0.25(mm)
ICIS 410-647030/16		05/21/2025 20:36	1	5Y21X15.D	R-624SilMS 30m 0.25(mm)
IC 410-647030/17		05/21/2025 20:56	1	5Y21X16.D	R-624SilMS 30m 0.25(mm)
IC 410-647030/18		05/21/2025 21:16	1	5Y21X17.D	R-624SilMS 30m 0.25(mm)
ICV 410-647030/20		05/21/2025 21:57	1	5Y21X19.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 26285 Start Date: 08/06/2025 08:06

Analysis Batch Number: 681349 End Date: 08/06/2025 15:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-681349/1		08/06/2025 08:06	1	5G06T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-681349/3		08/06/2025 09:02	1	5G06X02.D	R-624SilMS 30m 0.25(mm)
LCS 410-681349/4		08/06/2025 09:23	1	5G06X03.D	R-624SilMS 30m 0.25(mm)
LCSD 410-681349/5		08/06/2025 09:43	1	5G06X04.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		08/06/2025 10:03	1		R-624SilMS 30m 0.25(mm)
MB 410-681349/7		08/06/2025 10:23	1	5G06X06.D	R-624SilMS 30m 0.25(mm)
410-234898-12	Trip Blank 1	08/06/2025 10:52	1	5G06X07.D	R-624SilMS 30m 0.25(mm)
410-234898-13	Trip Blank 2	08/06/2025 11:12	1	5G06X08.D	R-624SilMS 30m 0.25(mm)
410-234898-14	Trip Blank 3	08/06/2025 11:33	1	5G06X09.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		08/06/2025 11:54	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		08/06/2025 12:14	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		08/06/2025 12:34	1		R-624SilMS 30m 0.25(mm)
410-234898-1	16C1	08/06/2025 12:55	1	5G06X13.D	R-624SilMS 30m 0.25(mm)
410-234898-2	16MW8	08/06/2025 13:15	1	5G06X14.D	R-624SilMS 30m 0.25(mm)
410-234898-3	16MW9	08/06/2025 13:36	1	5G06X15.D	R-624SilMS 30m 0.25(mm)
410-234898-4	16WC1A	08/06/2025 13:56	1	5G06X16.D	R-624SilMS 30m 0.25(mm)
410-234898-4 MS	16WC1AMS MS	08/06/2025 14:16	1	5G06X17.D	R-624SilMS 30m 0.25(mm)
410-234898-4 MSD	16WC1AMSD MSD	08/06/2025 14:37	1	5G06X18.D	R-624SilMS 30m 0.25(mm)
410-234898-5	16WDUP	08/06/2025 14:57	1	5G06X19.D	R-624SilMS 30m 0.25(mm)
410-234898-6	16WC1B	08/06/2025 15:18	1	5G06X20.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 609313 Batch Start Date: 02/24/25 15:31 Batch Analyst: Mellinger, Corie M

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	MSV_4ppbEE 00624	MSV_CCV_2CEVE 00216	MSV_CCV_CYC 00011
BFB 410-609313/1		8260D			1 uL	1 uL				
IC 410-609313/12		8260D			5 mL	5 mL	2780	12.5 mL		
IC 410-609313/13		8260D			5 mL	5 mL	2780		4 uL	32 uL
IC 410-609313/14		8260D			5 mL	5 mL	2780		2 uL	8 uL
IC 410-609313/15		8260D			5 mL	5 mL	2780		4 uL	16 uL
ICIS 410-609313/16		8260D			5 mL	5 mL	2780		5 uL	10 uL
IC 410-609313/17		8260D			5 mL	5 mL	2780		5 uL	10 uL
IC 410-609313/18		8260D			5 mL	5 mL	2780		15 uL	30 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_EE 00008	MSV_CCV_GASES 00961	MSV_CCV_OH_Sp 00019	MSV_CCV_VOC#1 00224	MSV_CCV_VOC#3 00225	MSV_Cent_ISSS 00034
BFB 410-609313/1		8260D								
IC 410-609313/12		8260D								5 uL
IC 410-609313/13		8260D			4 uL	2 uL	4 uL	4 uL	3.2 uL	5 uL
IC 410-609313/14		8260D			2 uL	1 uL	2 uL	2 uL	1.6 uL	5 uL
IC 410-609313/15		8260D			4 uL	2 uL	4 uL	4 uL	3.2 uL	5 uL
ICIS 410-609313/16		8260D			5 uL	2.5 uL	5 uL	5 uL	4 uL	5 uL
IC 410-609313/17		8260D			5 uL	2.5 uL	5 uL	5 uL	4 uL	5 uL
IC 410-609313/18		8260D			15 uL	7.5 uL	15 uL	15 uL	12 uL	5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00018
BFB 410-609313/1		8260D			1 uL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 609313 Batch Start Date: 02/24/25 15:31 Batch Analyst: Mellinger, Corie M

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_V_BFB 00018					
IC 410-609313/12		8260D								
IC 410-609313/13		8260D								
IC 410-609313/14		8260D								
IC 410-609313/15		8260D								
ICIS 410-609313/16		8260D								
IC 410-609313/17		8260D								
IC 410-609313/18		8260D								

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 647030 Batch Start Date: 05/21/25 15:30 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	MSV_4ppbEE 00632	MSV_CCV_2CEVE 00228	MSV_CCV_CYC 00011
BFB 410-647030/1		8260D			1 uL	1 uL				
ICV 410-647030/10		8260D			5 mL	5 mL	2797			
IC 410-647030/12		8260D			5 mL	5 mL	2797	12.5 mL		
IC 410-647030/13		8260D			5 mL	5 mL	2797		4 uL	32 uL
IC 410-647030/14		8260D			5 mL	5 mL	2797		2 uL	8 uL
IC 410-647030/15		8260D			5 mL	5 mL	2797		4 uL	16 uL
ICIS 410-647030/16		8260D			5 mL	5 mL	2797		5 uL	10 uL
IC 410-647030/17		8260D			5 mL	5 mL	2797		5 uL	10 uL
IC 410-647030/18		8260D			5 mL	5 mL	2797		15 uL	30 uL
ICV 410-647030/20		8260D			5 mL	5 mL	2797			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_EE 00009	MSV_CCV_GASES 01023	MSV_CCV_OH_Sp 00021	MSV_CCV_VOC#1 00236	MSV_CCV_VOC#3 00237	MSV_Cent_ISO 00010
BFB 410-647030/1		8260D								
ICV 410-647030/10		8260D								5 uL
IC 410-647030/12		8260D								
IC 410-647030/13		8260D			4 uL	2 uL	4 uL	4 uL	3.2 uL	
IC 410-647030/14		8260D			2 uL	1 uL	2 uL	2 uL	1.6 uL	
IC 410-647030/15		8260D			4 uL	2 uL	4 uL	4 uL	3.2 uL	
ICIS 410-647030/16		8260D			5 uL	2.5 uL	5 uL	5 uL	4 uL	
IC 410-647030/17		8260D			5 uL	2.5 uL	5 uL	5 uL	4 uL	
IC 410-647030/18		8260D			15 uL	7.5 uL	15 uL	15 uL	12 uL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 647030 Batch Start Date: 05/21/25 15:30 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_EE 00009	MSV_CCV_GASES 01023	MSV_CCV_OH_Sp 00021	MSV_CCV_VOC#1 00236	MSV_CCV_VOC#3 00237	MSV_Cent_ISO 00010
ICV 410-647030/20		8260D								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_Cent_ISSS 00041	MSV_LCS_2CEVE 00229	MSV_LCS_ACROL 00227	MSV_LCS_CYC 00011	MSV_LCS_EE 00011	MSV_LCS_ETOH 00010
BFB 410-647030/1		8260D								
ICV 410-647030/10		8260D								50 uL
IC 410-647030/12		8260D			5 uL					
IC 410-647030/13		8260D			5 uL					
IC 410-647030/14		8260D			5 uL					
IC 410-647030/15		8260D			5 uL					
ICIS 410-647030/16		8260D			5 uL					
IC 410-647030/17		8260D			5 uL					
IC 410-647030/18		8260D			5 uL					
ICV 410-647030/20		8260D			5 uL	50 uL	50 uL	50 uL	50 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_Gases 00251	MSV_LCS_LKB 00014	MSV_LCS_Penta 00056	MSV_LCS_SMFre 00086	MSV_LCS_V5ACE 00053	MSV_LCS_VOC#1 00220
BFB 410-647030/1		8260D								
ICV 410-647030/10		8260D				100 uL	50 uL	50 uL	50 uL	
IC 410-647030/12		8260D								
IC 410-647030/13		8260D								
IC 410-647030/14		8260D								
IC 410-647030/15		8260D								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 647030 Batch Start Date: 05/21/25 15:30 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_Gases 00251	MSV_LCS_LKB 00014	MSV_LCS_Penta 00056	MSV_LCS_SMFre 00086	MSV_LCS_V5ACE 00053	MSV_LCS_VOC#1 00220
ICIS 410-647030/16		8260D								
IC 410-647030/17		8260D								
IC 410-647030/18		8260D								
ICV 410-647030/20		8260D			50 uL					50 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_Q_Acr_Std 00012	MSV_V_BFB 00018				
BFB 410-647030/1		8260D				1 uL				
ICV 410-647030/10		8260D								
IC 410-647030/12		8260D								
IC 410-647030/13		8260D								
IC 410-647030/14		8260D								
IC 410-647030/15		8260D								
ICIS 410-647030/16		8260D								
IC 410-647030/17		8260D								
IC 410-647030/18		8260D								
ICV 410-647030/20		8260D			2 uL					

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 681349 Batch Start Date: 08/06/25 08:06 Batch Analyst: Mellinger, Corie M

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-681349/1		8260D			1 uL	1 uL				
CCVIS 410-681349/3		8260D			5 mL	5 mL				2810
LCS 410-681349/4		8260D			5 mL	5 mL				2810
LCSD 410-681349/5		8260D			5 mL	5 mL				2810
MB 410-681349/7		8260D			5 mL	5 mL				2810
410-234898-A-12	Trip Blank 1	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-234898-A-13	Trip Blank 2	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-234898-A-14	Trip Blank 3	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-234898-A-1	16C1	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-234898-A-2	16MW8	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-234898-A-3	16MW9	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-234898-A-4	16WC1A	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-234898-A-4 MS	16WC1AMS	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-234898-A-4 MSD	16WC1AMSD	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-234898-A-5	16WDUP	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	
410-234898-A-6	16WC1B	8260D	Water	T	5 mL	5 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_2CEVE 00239	MSV_CCV_GASES 01109	MSV_CCV_VOC#1 00247	MSV_CCV_VOC#3 00249	MSV_Cent_ISSS 00043	MSV_LCS_2CEVE 00241
BFB 410-681349/1		8260D								
CCVIS 410-681349/3		8260D			5 uL	2.5 uL	5 uL	4 uL	5 uL	
LCS 410-681349/4		8260D							5 uL	50 uL
LCSD 410-681349/5		8260D							5 uL	50 uL
MB 410-681349/7		8260D							5 uL	
410-234898-A-12	Trip Blank 1	8260D	Water	T					5 uL	
410-234898-A-13	Trip Blank 2	8260D	Water	T					5 uL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 681349 Batch Start Date: 08/06/25 08:06 Batch Analyst: Mellinger, Corie M

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_2CEVE 00239	MSV_CCV_GASES 01109	MSV_CCV_VOC#1 00247	MSV_CCV_VOC#3 00249	MSV_Cent_ISSS 00043	MSV_LCS_2CEVE 00241
410-234898-A-14	Trip Blank 3	8260D	Water	T					5 uL	
410-234898-A-1	16C1	8260D	Water	T					5 uL	
410-234898-A-2	16MW8	8260D	Water	T					5 uL	
410-234898-A-3	16MW9	8260D	Water	T					5 uL	
410-234898-A-4	16WC1A	8260D	Water	T					5 uL	
410-234898-A-4 MS	16WC1AMS	8260D	Water	T					5 uL	21.5 uL
410-234898-A-4 MSD	16WC1AMSD	8260D	Water	T					5 uL	21.5 uL
410-234898-A-5	16WDUP	8260D	Water	T					5 uL	
410-234898-A-6	16WC1B	8260D	Water	T					5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_ACROL 00239	MSV_LCS_Gases 00262	MSV_LCS_VOC#1 00232	MSV_V_BFB 00019		
BFB 410-681349/1		8260D						1 uL		
CCVIS 410-681349/3		8260D								
LCS 410-681349/4		8260D			50 uL	50 uL	50 uL			
LCSD 410-681349/5		8260D			50 uL	50 uL	50 uL			
MB 410-681349/7		8260D								
410-234898-A-12	Trip Blank 1	8260D	Water	T						
410-234898-A-13	Trip Blank 2	8260D	Water	T						
410-234898-A-14	Trip Blank 3	8260D	Water	T						
410-234898-A-1	16C1	8260D	Water	T						
410-234898-A-2	16MW8	8260D	Water	T						
410-234898-A-3	16MW9	8260D	Water	T						
410-234898-A-4	16WC1A	8260D	Water	T						
410-234898-A-4 MS	16WC1AMS	8260D	Water	T	21.5 uL	21.5 uL	21.5 uL			
410-234898-A-4 MSD	16WC1AMSD	8260D	Water	T	21.5 uL	21.5 uL	21.5 uL			
410-234898-A-5	16WDUP	8260D	Water	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 681349 Batch Start Date: 08/06/25 08:06 Batch Analyst: Mellinger, Corie M

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_ACROL 00239	MSV_LCS_Gases 00262	MSV_LCS_VOC#1 00232	MSV_V_BFB 00019		
410-234898-A-6	16WC1B	8260D	Water	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8260D Low Level

Volatile Organic Compounds (GC/MS) by Method 8260D Low Level

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): R-624SilMS ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
16C1	410-234898-1	112	108	93	91
16C1 DL	410-234898-1 DL	113	110	94	92
16MW8	410-234898-2	111	107	94	91
16MW9	410-234898-3	110	109	94	92
16MW9 DL	410-234898-3 DL	112	110	93	92
16WC1A	410-234898-4	111	108	94	92
16WDUP	410-234898-5	110	109	93	92
16WC1B	410-234898-6	111	107	93	93
Trip Blank 1	410-234898-12	109	105	93	92
Trip Blank 2	410-234898-13	109	108	92	93
Trip Blank 3	410-234898-14	112	107	93	92
	MB 410-681517/8	109	106	92	91
	LCS 410-681517/5	106	107	96	101
	LCS 410-681517/6	106	106	95	93
16WC1AMS MS	410-234898-4 MS	107	101	98	101
16WC1AMS MS	410-234898-4 MS	109	106	93	92
16WC1AMSD MSD	410-234898-4 MSD	108	102	98	100
16WC1AMSD MSD	410-234898-4 MSD	109	106	93	92

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	80-120
DCA = 1,2-Dichloroethane-d4 (Surr)	80-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	80-120

Column to be used to flag recovery values

FORM II 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: CG06X04.D

Lab ID: LCS 410-681517/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.878	98	80-122	
1,1,1-Trichloroethane	5.00	4.968	99	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.360	87	75-123	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	4.888	98	67-124	
1,1,2-Trichloroethane	5.00	4.546	91	80-120	
1,1-Dichloroethane	5.00	5.083	102	74-120	
1,1-Dichloroethene	5.00	5.068	101	80-131	
1,2,3-Trichloropropane	5.00	4.514	90	80-125	
1,2,4-Trichlorobenzene	5.00	4.341	87	68-122	
1,2-Dibromo-3-Chloropropane	5.00	4.142	83	75-124	
1,2-Dibromoethane	5.00	4.489	90	80-120	
1,2-Dichlorobenzene	5.00	4.593	92	80-120	
1,2-Dichloroethane	5.00	4.627	93	69-122	
1,2-Dichloropropane	5.00	4.985	100	80-120	
1,3-Dichlorobenzene	5.00	4.538	91	80-120	
1,3-Dichloropropane	5.00	4.458	89	80-120	
1,4-Dichlorobenzene	5.00	4.522	90	80-120	
1,4-Dioxane	125	118.8 J	95	65-169	
2-Butanone	62.5	66.72	107	59-141	
2-Hexanone	62.5	65.71	105	52-140	
4-Methyl-2-pentanone	62.5	65.91	105	55-140	
Acetone	62.5	61.41	98	60-146	
Acrylonitrile	25.0	25.38	102	64-139	
Allyl chloride	5.00	5.033 J	101	69-120	
Benzene	5.00	4.921	98	80-120	
Bromodichloromethane	5.00	4.898	98	80-123	
Bromoform	5.00	4.892	98	75-126	
Bromomethane	5.00	5.600	112	63-120	
Carbon disulfide	5.00	4.976 J	100	67-130	
Carbon tetrachloride	5.00	5.091	102	64-141	
Chloroethane	5.00	5.560	111	63-120	
Chloroform	5.00	4.913	98	80-120	
Chloromethane	5.00	4.513	90	56-124	
Chloroprene	5.00	4.584 J	92	77-128	
Dibromochloromethane	5.00	4.658	93	80-123	
Dibromomethane	5.00	4.857	97	80-122	
Dichlorodifluoromethane	5.00	4.565	91	43-123	
Diethyl ether	4.96	4.675 J	94	54-127	
Ethyl methacrylate	5.00	3.875 J	77	76-120	
Ethylbenzene	5.00	4.535	91	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: CG06X04.D

Lab ID: LCS 410-681517/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Hexachlorobutadiene	5.00	4.686	94	72-132	
Isobutyl alcohol	125	124.9 J	100	57-137	
m&p-Xylene	10.0	9.285	93	80-120	
Methacrylonitrile	37.5	40.03 J	107	60-145	
Methyl iodide	5.00	4.820 J	96	77-120	
Methyl methacrylate	5.00	4.650 J	93	55-139	
Methylene Chloride	5.00	5.144	103	80-120	
Naphthalene	5.00	4.131	83	64-135	
o-Xylene	5.00	4.480	90	80-120	
Pentachloroethane	5.00	4.865 J	97	80-120	
Propionitrile	37.5	41.97 J	112	63-145	
Styrene	5.00	4.626	93	80-120	
Tetrachloroethene	5.00	4.648	93	80-120	
Tetrahydrofuran	25.0	25.70	103	67-137	
Toluene	5.00	4.550	91	80-120	
trans-1,2-Dichloroethene	5.00	5.032	101	80-122	
trans-1,3-Dichloropropene	5.00	4.388	88	61-129	
Trichloroethene	5.00	4.811	96	80-120	
Trichlorofluoromethane	5.00	5.436	109	53-136	
Vinyl chloride	5.00	4.722	94	60-125	
Xylenes, Total	15.0	13.77	92	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: CG06X05.D

Lab ID: LCS 410-681517/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetonitrile	18.8	ND	107	51-160	
Vinyl acetate	12.5	14.88	119	64-145	
Dimethyl ether	5.00	4.029	81	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: CG06X13.D

Lab ID: 410-234898-4 MS Client ID: 16WC1AMS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	ND	4.949	99	80-122	
1,1,1-Trichloroethane	5.00	ND	5.286	106	78-126	
1,1,2,2-Tetrachloroethane	5.00	ND	4.292	86	75-123	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	ND	5.758	115	67-124	
1,1,2-Trichloroethane	5.00	ND	4.596	92	80-120	
1,1-Dichloroethane	5.00	2.44	8.025	112	74-120	
1,1-Dichloroethene	5.00	ND	6.128	122	80-131	
1,2,3-Trichloropropane	5.00	ND	4.335	87	80-125	
1,2,4-Trichlorobenzene	5.00	ND	4.495	90	68-122	
1,2-Dibromo-3-Chloropropane	5.00	ND	4.072	81	75-124	
1,2-Dibromoethane	5.00	ND	4.485	90	80-120	
1,2-Dichlorobenzene	5.00	ND	4.727	94	80-120	
1,2-Dichloroethane	5.00	ND	4.825	96	69-122	
1,2-Dichloropropane	5.00	ND	5.058	101	80-120	
1,3-Dichlorobenzene	5.00	ND	4.663	93	80-120	
1,3-Dichloropropane	5.00	ND	4.480	90	80-120	
1,4-Dichlorobenzene	5.00	ND	4.558	91	80-120	
1,4-Dioxane	125	ND	120.9 J	97	65-169	
2-Butanone	62.6	ND	73.11	117	59-141	
2-Hexanone	62.6	ND	74.54	119	52-140	
4-Methyl-2-pentanone	62.6	ND	73.64	118	55-140	
Acetone	62.6	ND	70.87	113	60-146	
Acrylonitrile	25.0	ND	26.24	105	64-139	
Allyl chloride	5.00	ND	4.717 J	94	69-120	
Benzene	5.00	ND	5.336	107	80-120	
Bromodichloromethane	5.00	ND	4.985	100	80-123	
Bromoform	5.00	ND	4.757	95	75-126	
Bromomethane	5.00	ND	6.714	134	63-120	F1
Carbon disulfide	5.00	ND	4.685 J	94	67-130	
Carbon tetrachloride	5.00	ND	5.420	108	64-141	
Chloroethane	5.00	1.53	8.145	132	63-120	F1
Chloroform	5.00	ND	5.143	103	80-120	
Chloromethane	5.00	ND	5.361	107	80-120	
Chloroprene	5.00	ND	4.844 J	97	77-128	
Dibromochloromethane	5.00	ND	4.661	93	80-123	
Dibromomethane	5.00	ND	4.875	97	80-122	
Dichlorodifluoromethane	5.00	ND	5.682	114	43-123	
Diethyl ether	4.97	21.8	26.69	98	54-127	E 4
Ethyl methacrylate	5.00	ND	3.802 J	76	76-120	
Ethylbenzene	5.00	ND	4.724	94	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: CG06X13.D

Lab ID: 410-234898-4 MS Client ID: 16WC1AMS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Hexachlorobutadiene	5.00	ND	4.975	99	72-132	
Isobutyl alcohol	125	ND	135.1 J	108	57-137	
m&p-Xylene	10.0	ND	9.613	96	80-120	
Methacrylonitrile	37.5	ND	44.08 J	117	60-145	
Methyl iodide	5.00	ND	4.958 J	99	77-120	
Methyl methacrylate	5.00	ND	5.040 J	101	55-139	
Methylene Chloride	5.00	ND	4.986	100	80-120	
Naphthalene	5.00	ND	4.105	82	64-135	
o-Xylene	5.00	ND	4.708	94	80-120	
Pentachloroethane	5.00	ND	5.155 J	103	80-120	
Propionitrile	37.5	ND	42.69 J	114	63-145	
Styrene	5.00	ND	4.833	97	80-120	
Tetrachloroethene	5.00	ND	5.025	100	80-120	
Tetrahydrofuran	25.0	ND	29.53	118	67-137	
Toluene	5.00	ND	4.738	95	80-120	
trans-1,2-Dichloroethene	5.00	ND	5.051	101	80-122	
trans-1,3-Dichloropropene	5.00	ND	4.267	85	61-129	
Trichloroethene	5.00	ND	5.134	103	80-120	
Trichlorofluoromethane	5.00	ND	6.996	140	53-136	F1
Vinyl chloride	5.00	ND	5.854	117	60-125	
Xylenes, Total	15.0	ND	14.32	95	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: CG06X15.D

Lab ID: 410-234898-4 MS Client ID: 16WC1AMS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acetonitrile	18.8	ND	ND	NC	51-160	
Vinyl acetate	12.5	ND	15.46	124	64-145	
Dimethyl ether	4.65	0.765	5.154	94	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: CG06X14.D

Lab ID: 410-234898-4 MSD Client ID: 16WC1AMSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.434	109	9	30	80-122	
1,1,1-Trichloroethane	5.00	5.979	119	12	30	78-126	
1,1,2,2-Tetrachloroethane	5.00	4.806	96	11	30	75-123	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	6.742	135	16	30	67-124	F1
1,1,2-Trichloroethane	5.00	5.182	104	12	30	80-120	
1,1-Dichloroethane	5.00	8.296	117	3	30	74-120	
1,1-Dichloroethene	5.00	6.790	136	10	30	80-131	F1
1,2,3-Trichloropropane	5.00	4.802	96	10	30	80-125	
1,2,4-Trichlorobenzene	5.00	4.832	97	7	30	68-122	
1,2-Dibromo-3-Chloropropane	5.00	4.311	86	6	30	75-124	
1,2-Dibromoethane	5.00	5.111	102	13	30	80-120	
1,2-Dichlorobenzene	5.00	5.207	104	10	30	80-120	
1,2-Dichloroethane	5.00	5.443	109	12	30	69-122	
1,2-Dichloropropane	5.00	5.777	115	13	30	80-120	
1,3-Dichlorobenzene	5.00	5.268	105	12	30	80-120	
1,3-Dichloropropane	5.00	5.033	101	12	30	80-120	
1,4-Dichlorobenzene	5.00	5.242	105	14	30	80-120	
1,4-Dioxane	125	141.8 J	113	16	30	65-169	
2-Butanone	62.6	77.02	123	5	30	59-141	
2-Hexanone	62.6	78.52	126	5	30	52-140	
4-Methyl-2-pentanone	62.6	76.14	122	3	30	55-140	
Acetone	62.6	77.00	123	8	30	60-146	
Acrylonitrile	25.0	29.77	119	13	30	64-139	
Allyl chloride	5.00	5.796 J	116	21	30	69-120	
Benzene	5.00	5.996	120	12	30	80-120	
Bromodichloromethane	5.00	5.624	112	12	30	80-123	
Bromoform	5.00	5.274	105	10	30	75-126	
Bromomethane	5.00	6.606	132	2	30	63-120	F1
Carbon disulfide	5.00	6.023 J	120	25	30	67-130	
Carbon tetrachloride	5.00	6.170	123	13	30	64-141	
Chloroethane	5.00	7.915	128	3	30	63-120	F1
Chloroform	5.00	5.788	116	12	30	80-120	
Chloromethane	5.00	5.374	107	0	30	80-120	
Chloroprene	5.00	5.519 J	110	13	30	77-128	
Dibromochloromethane	5.00	5.311	106	13	30	80-123	
Dibromomethane	5.00	5.538	111	13	30	80-122	
Dichlorodifluoromethane	5.00	5.462	109	4	30	43-123	
Diethyl ether	4.97	25.69	78	4	30	54-127	E 4
Ethyl methacrylate	5.00	4.374 J	87	14	30	76-120	
Ethylbenzene	5.00	5.274	105	11	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: CG06X14.D

Lab ID: 410-234898-4 MSD Client ID: 16WC1AMSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Hexachlorobutadiene	5.00	5.519	110	10	30	72-132	
Isobutyl alcohol	125	145.5 J	116	7	30	57-137	
m&p-Xylene	10.0	10.85	108	12	30	80-120	
Methacrylonitrile	37.5	47.84 J	127	8	30	60-145	
Methyl iodide	5.00	5.476 J	109	10	30	77-120	
Methyl methacrylate	5.00	5.606 J	112	11	30	55-139	
Methylene Chloride	5.00	6.056	121	19	30	80-120	F1
Naphthalene	5.00	4.388	88	7	30	64-135	
o-Xylene	5.00	5.189	104	10	30	80-120	
Pentachloroethane	5.00	5.305 J	106	3	30	80-120	
Propionitrile	37.5	48.01 J	128	12	30	63-145	
Styrene	5.00	5.381	108	11	30	80-120	
Tetrachloroethene	5.00	5.589	112	11	30	80-120	
Tetrahydrofuran	25.0	32.84	131	11	30	67-137	
Toluene	5.00	5.373	107	13	30	80-120	
trans-1,2-Dichloroethene	5.00	5.997	120	17	30	80-122	
trans-1,3-Dichloropropene	5.00	4.859	97	13	30	61-129	
Trichloroethene	5.00	5.765	115	12	30	80-120	
Trichlorofluoromethane	5.00	6.515	130	7	30	53-136	
Vinyl chloride	5.00	5.720	114	2	30	60-125	
Xylenes, Total	15.0	16.04	107	11	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: CG06X16.D

Lab ID: 410-234898-4 MSD Client ID: 16WC1AMSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetonitrile	18.8	ND	NC	NC	30	51-160	
Vinyl acetate	12.5	14.82	118	4	30	64-145	
Dimethyl ether	4.65	5.131	94	0	30	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: CG06X07.D Lab Sample ID: MB 410-681517/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: 10193 Date Analyzed: 08/06/2025 12:21

GC Column: R-624SilMS 30m ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-681517/5	CG06X04.D	08/06/2025 11:14
	LCS 410-681517/6	CG06X05.D	08/06/2025 11:36
Trip Blank 1	410-234898-12	CG06X08.D	08/06/2025 13:16
Trip Blank 2	410-234898-13	CG06X09.D	08/06/2025 13:38
Trip Blank 3	410-234898-14	CG06X10.D	08/06/2025 14:00
16MW8	410-234898-2	CG06X11.D	08/06/2025 14:23
16WC1A	410-234898-4	CG06X12.D	08/06/2025 14:45
16WC1AMS MS	410-234898-4 MS	CG06X13.D	08/06/2025 15:07
16WC1AMSD MSD	410-234898-4 MSD	CG06X14.D	08/06/2025 15:30
16WC1AMS MS	410-234898-4 MS	CG06X15.D	08/06/2025 15:52
16WC1AMSD MSD	410-234898-4 MSD	CG06X16.D	08/06/2025 16:14
16WDUP	410-234898-5	CG06X17.D	08/06/2025 16:37
16WC1B	410-234898-6	CG06X18.D	08/06/2025 16:59
16C1	410-234898-1	CG06X24.D	08/06/2025 19:12
16C1 DL	410-234898-1 DL	CG06X25.D	08/06/2025 19:35
16MW9	410-234898-3	CG06X26.D	08/06/2025 19:57
16MW9 DL	410-234898-3 DL	CG06X27.D	08/06/2025 20:19

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: CU04T01.D BFB Injection Date: 06/04/2025

Instrument ID: 10193 BFB Injection Time: 16:26

Analysis Batch No.: 652703

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.1	
75	30.0 - 60.0 % of mass 95	48.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.7	(0.9) 1
174	Greater than 50% of mass 95	83.1	
175	5.0 - 9.0 % of mass 174	6.1	(7.3) 1
176	95.0 - 101.0 % of mass 174	80.3	(96.6) 1
177	5.0 - 9.0 % of mass 176	5.2	(6.5) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-652703/3	CU04X02.D	06/04/2025	17:23
	IC 410-652703/4	CU04X03.D	06/04/2025	17:46
	IC 410-652703/5	CU04X04.D	06/04/2025	18:08
	IC 410-652703/6	CU04X05.D	06/04/2025	18:30
	IC 410-652703/7	CU04X06.D	06/04/2025	18:53
	IC 410-652703/8	CU04X07.D	06/04/2025	19:15
	IC 410-652703/9	CU04X08.D	06/04/2025	19:37
	ICV 410-652703/11	CU04X10.D	06/04/2025	20:22
	IC 410-652703/13	CU04X12.D	06/04/2025	21:06
	IC 410-652703/14	CU04X13.D	06/04/2025	21:28
	IC 410-652703/15	CU04X14.D	06/04/2025	21:51
	IC 410-652703/16	CU04X15.D	06/04/2025	22:13
	IC 410-652703/17	CU04X16.D	06/04/2025	22:35
	ICIS 410-652703/18	CU04X17.D	06/04/2025	22:57
	IC 410-652703/19	CU04X18.D	06/04/2025	23:20
	ICV 410-652703/21	CU04X20.D	06/05/2025	0:04

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: CG06T01.D BFB Injection Date: 08/06/2025

Instrument ID: 10193 BFB Injection Time: 09:52

Analysis Batch No.: 681517

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.1	
75	30.0 - 60.0 % of mass 95	46.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	1.0	(1.2) 1
174	Greater than 50% of mass 95	83.9	
175	5.0 - 9.0 % of mass 174	6.2	(7.3) 1
176	95.0 - 101.0 % of mass 174	81.0	(96.6) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.8) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-681517/3	CG06X02.D	08/06/2025	10:29
	CCV 410-681517/4	CG06X03.D	08/06/2025	10:52
	LCS 410-681517/5	CG06X04.D	08/06/2025	11:14
	LCS 410-681517/6	CG06X05.D	08/06/2025	11:36
	MB 410-681517/8	CG06X07.D	08/06/2025	12:21
Trip Blank 1	410-234898-12	CG06X08.D	08/06/2025	13:16
Trip Blank 2	410-234898-13	CG06X09.D	08/06/2025	13:38
Trip Blank 3	410-234898-14	CG06X10.D	08/06/2025	14:00
16MW8	410-234898-2	CG06X11.D	08/06/2025	14:23
16WC1A	410-234898-4	CG06X12.D	08/06/2025	14:45
16WC1AMS MS	410-234898-4 MS	CG06X13.D	08/06/2025	15:07
16WC1AMSD MSD	410-234898-4 MSD	CG06X14.D	08/06/2025	15:30
16WC1AMS MS	410-234898-4 MS	CG06X15.D	08/06/2025	15:52
16WC1AMSD MSD	410-234898-4 MSD	CG06X16.D	08/06/2025	16:14
16WDUP	410-234898-5	CG06X17.D	08/06/2025	16:37
16WC1B	410-234898-6	CG06X18.D	08/06/2025	16:59
16C1	410-234898-1	CG06X24.D	08/06/2025	19:12
16C1 DL	410-234898-1 DL	CG06X25.D	08/06/2025	19:35
16MW9	410-234898-3	CG06X26.D	08/06/2025	19:57
16MW9 DL	410-234898-3 DL	CG06X27.D	08/06/2025	20:19

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: ICIS 410-652703/18 Date Analyzed: 06/04/2025 22:57

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): CU04X17.D Heated Purge: (Y/N) N

Calibration ID: 73332

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		195687	3.67	2356745	7.15	1784969	10.82
UPPER LIMIT		391374	4.17	4713490	7.65	3569938	11.32
LOWER LIMIT		97844	3.17	1178373	6.65	892485	10.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-652703/11		182175	3.68	2276581	7.15	1732682	10.82
ICV 410-652703/21		193355	3.67	2350088	7.15	1777198	10.82
CCVIS 410-681517/3		141694	3.64	1897252	7.13	1552204	10.80

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: ICIS 410-652703/18 Date Analyzed: 06/04/2025 22:57

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): CU04X17.D Heated Purge: (Y/N) N

Calibration ID: 73332

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		997762	12.77				
UPPER LIMIT		1995524	13.27				
LOWER LIMIT		498881	12.27				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-652703/11		926446	12.77				
ICV 410-652703/21		975535	12.77				
CCVIS 410-681517/3		917750	12.76				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: CCVIS 410-681517/3 Date Analyzed: 08/06/2025 10:29

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): CG06X02.D Heated Purge: (Y/N) N

Calibration ID: 73332

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		141694	3.64	1897252	7.13	1552204	10.80
UPPER LIMIT		283388	4.14	3794504	7.63	3104408	11.30
LOWER LIMIT		70847	3.14	948626	6.63	776102	10.30
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-681517/5		144557	3.65	1862652	7.12	1518957	10.80
MB 410-681517/8		124331	3.66	1695685	7.13	1411558	10.80
410-234898-12	Trip Blank 1	122036	3.67	1684240	7.12	1401172	10.80
410-234898-13	Trip Blank 2	132304	3.69	1677322	7.13	1410109	10.81
410-234898-14	Trip Blank 3	119044	3.66	1600495	7.13	1338188	10.80
410-234898-2	16MW8	128011	3.65	1654185	7.13	1383167	10.80
410-234898-4	16WC1A	122411	3.65	1633288	7.13	1360812	10.80
410-234898-4 MS	16WC1AMS MS	114013	3.66	1729909	7.13	1412192	10.80
410-234898-4 MSD	16WC1AMSD MSD	125201	3.64	1798575	7.13	1465173	10.80
410-234898-5	16WDUP	120166	3.65	1622380	7.12	1356441	10.80
410-234898-6	16WC1B	125185	3.68	1615719	7.13	1356611	10.80
410-234898-1	16C1	109129	3.64	1572421	7.12	1295710	10.80
410-234898-1 DL	16C1 DL	101875	3.67	1610815	7.12	1354272	10.80
410-234898-3	16MW9	114862	3.66	1646041	7.13	1366392	10.80
410-234898-3 DL	16MW9 DL	119484	3.69	1611857	7.13	1352251	10.80

TBAd10 = t-Butyl alcohol-d10 (IS)
TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: CCVIS 410-681517/3 Date Analyzed: 08/06/2025 10:29

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): CG06X02.D Heated Purge: (Y/N) N

Calibration ID: 73332

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		917750	12.76				
UPPER LIMIT		1835500	13.26				
LOWER LIMIT		458875	12.26				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-681517/5		881832	12.76				
MB 410-681517/8		753123	12.77				
410-234898-12	Trip Blank 1	744799	12.77				
410-234898-13	Trip Blank 2	768859	12.77				
410-234898-14	Trip Blank 3	711245	12.77				
410-234898-2	16MW8	740040	12.77				
410-234898-4	16WC1A	736201	12.77				
410-234898-4 MS	16WC1AMS MS	839681	12.76				
410-234898-4 MSD	16WC1AMSD MSD	846999	12.76				
410-234898-5	16WDUP	744418	12.77				
410-234898-6	16WC1B	741447	12.77				
410-234898-1	16C1	690006	12.77				
410-234898-1 DL	16C1 DL	715703	12.77				
410-234898-3	16MW9	728870	12.77				
410-234898-3 DL	16MW9 DL	728782	12.77				

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16C1
Lab Sample ID: 410-234898-1

Matrix: Water
Lab File ID: CG06X24.D

Analysis Method: 8260D
Date Collected: 07/30/2025 14:20

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 19:12

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.00	0.300
71-55-6	1,1,1-Trichloroethane	ND		1.00	0.300
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.00	0.300
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.400
79-00-5	1,1,2-Trichloroethane	ND		1.00	0.300
75-34-3	1,1-Dichloroethane	5.16		1.00	0.300
75-35-4	1,1-Dichloroethene	ND		1.00	0.300
96-18-4	1,2,3-Trichloropropane	ND		1.00	0.300
120-82-1	1,2,4-Trichlorobenzene	ND		1.00	0.600
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.00	0.400
106-93-4	1,2-Dibromoethane	ND		1.00	0.300
95-50-1	1,2-Dichlorobenzene	ND		1.00	0.400
107-06-2	1,2-Dichloroethane	ND		1.00	0.300
78-87-5	1,2-Dichloropropane	ND		1.00	0.400
541-73-1	1,3-Dichlorobenzene	ND		1.00	0.400
142-28-9	1,3-Dichloropropane	ND		1.00	0.400
106-46-7	1,4-Dichlorobenzene	ND		1.00	0.400
123-91-1	1,4-Dioxane	ND		200	45.5
78-93-3	2-Butanone	ND	cn	10.0	1.70
591-78-6	2-Hexanone	ND	cn	10.0	2.00
108-10-1	4-Methyl-2-pentanone	ND	cn	10.0	2.00
67-64-1	Acetone	ND		10.0	2.00
75-05-8	Acetonitrile	ND		100	31.6
107-13-1	Acrylonitrile	ND		10.0	1.10
107-05-1	Allyl chloride	ND		10.0	1.00
71-43-2	Benzene	0.329	J	1.00	0.300
75-27-4	Bromodichloromethane	ND		1.00	0.300
75-25-2	Bromoform	ND		1.00	0.400
74-83-9	Bromomethane	ND		1.00	0.542
75-15-0	Carbon disulfide	ND		10.0	0.400
56-23-5	Carbon tetrachloride	ND		1.00	0.300

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16C1 Lab Sample ID: 410-234898-1

Matrix: Water Lab File ID: CG06X24.D

Analysis Method: 8260D Date Collected: 07/30/2025 14:20

Sample wt/vol: 25(mL) Date Analyzed: 08/06/2025 19:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 681517 Units: ug/L

Preparation Batch No.: Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	2.74		1.00	0.100
67-66-3	Chloroform	ND		1.00	0.300
74-87-3	Chloromethane	0.189	J	1.00	0.100
126-99-8	Chloroprene	ND		10.0	0.460
124-48-1	Dibromochloromethane	ND		1.00	0.400
74-95-3	Dibromomethane	ND		1.00	0.300
75-71-8	Dichlorodifluoromethane	ND		1.00	0.400
97-63-2	Ethyl methacrylate	ND		10.0	0.810
100-41-4	Ethylbenzene	ND		1.00	0.300
87-68-3	Hexachlorobutadiene	ND		1.00	0.400
78-83-1	Isobutyl alcohol	ND		200	11.6
179601-23-1	m&p-Xylene	ND		2.00	0.400
126-98-7	Methacrylonitrile	ND	cn	100	9.75
74-88-4	Methyl iodide	ND		10.0	0.580
80-62-6	Methyl methacrylate	ND		10.0	3.58
75-09-2	Methylene Chloride	ND		1.00	0.700
91-20-3	Naphthalene	ND		1.00	0.400
95-47-6	o-Xylene	ND		1.00	0.400
76-01-7	Pentachloroethane	ND		10.0	1.70
107-12-0	Propionitrile	ND	cn	100	10.2
100-42-5	Styrene	ND		1.00	0.300
127-18-4	Tetrachloroethene	ND		1.00	0.300
109-99-9	Tetrahydrofuran	27.4	cn	25.0	2.00
108-88-3	Toluene	ND		1.00	0.300
156-60-5	trans-1,2-Dichloroethene	ND		1.00	0.300
10061-02-6	trans-1,3-Dichloropropene	ND		1.00	0.400
79-01-6	Trichloroethene	ND		1.00	0.300
75-69-4	Trichlorofluoromethane	ND		1.00	0.400
108-05-4	Vinyl acetate	ND		10.0	3.29
75-01-4	Vinyl chloride	ND		1.00	0.200
1330-20-7	Xylenes, Total	ND		3.00	0.400
115-10-6	Dimethyl ether	6.43		0.500	0.300

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16C1 Lab Sample ID: 410-234898-1

Matrix: Water Lab File ID: CG06X24.D

Analysis Method: 8260D Date Collected: 07/30/2025 14:20

Sample wt/vol: 25(mL) Date Analyzed: 08/06/2025 19:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 681517 Units: ug/L

Preparation Batch No.: Instrument ID: 10193

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	91		80-120
1868-53-7	Dibromofluoromethane (Surr)	112		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		80-120
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X24.D
Lims ID: 410-234898-D-1
Client ID: 16C1
Sample Type: Client
Inject. Date: 06-Aug-2025 19:12:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-025
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 09:11:38 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:11:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.750				ND	U
4 Dimethyl ether	45	1.793	1.805	-0.012	97	455009	6.43	
5 Chloromethane	50	1.927	1.927	0.000	97	11452	0.1886	
6 Vinyl chloride	62		2.031				ND	U
9 Bromomethane	94		2.329				ND	7
10 Chloroethane	64	2.354	2.360	-0.006	98	83223	2.74	
12 Trichlorofluoromethane	101		2.658				ND	7
14 Ethyl ether	59	2.805	2.805	0.000	94	1058286	32.7	E
18 1,1-Dichloroethene	96	3.073	3.073	0.000	53	5425	0.1621	
20 Acetone	43		3.097				ND	U
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.128				ND	
22 Iodomethane	142		3.238				ND	
25 Carbon disulfide	76		3.329				ND	7
27 Acetonitrile	41		3.451				ND	
29 3-Chloro-1-propene	41		3.475				ND	
30 Methylene Chloride	84	3.640	3.640	0.000	94	15392	0.3811	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.640	3.640	0.000	92	109129	50.0	
33 Acrylonitrile	53		3.939				ND	
35 trans-1,2-Dichloroethene	96		3.987				ND	
37 1,1-Dichloroethane	63	4.628	4.634	-0.006	97	388047	5.16	
38 Vinyl acetate	43		4.640				ND	7
40 2-Chloro-1,3-butadiene	53		4.743				ND	
42 2-Butanone (MEK)	43		5.463				ND	U
45 Propionitrile	54		5.554				ND	
47 Methacrylonitrile	67		5.780				ND	
49 Tetrahydrofuran	71	5.841	5.835	0.006	86	77105	27.4	
50 Chloroform	83		5.993				ND	
53 1,1,1-Trichloroethane	97		6.213				ND	U
$ 54 Dibromofluoromethane (Surr)	113	6.213	6.213	0.000	94	417316	11.2	
56 Carbon tetrachloride	117		6.426				ND	
58 Isobutyl alcohol	41		6.639				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.676	6.676	0.000	99	82787	10.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
60 Benzene	78	6.700	6.700	0.000	94	58878	0.3293	
61 1,2-Dichloroethane	62		6.780				ND	
* 65 Fluorobenzene (IS)	96	7.121	7.127	-0.006	99	1572421	10.0	
68 Trichloroethene	95	7.621	7.615	0.006	97	5823	0.1230	
70 1,2-Dichloropropane	63		7.956				ND	
74 1,4-Dioxane	88		8.066				ND	
72 Dibromomethane	93		8.072				ND	
73 Methyl methacrylate	69		8.072				ND	
76 Dichlorobromomethane	83		8.316				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.102				ND	7
$ 83 Toluene-d8 (Surr)	98	9.230	9.230	0.000	94	1581252	9.29	
84 Toluene	92	9.316	9.316	0.000	97	3419	0.0272	
85 trans-1,3-Dichloropropene	75		9.614				ND	
86 Ethyl methacrylate	69		9.700				ND	
87 1,1,2-Trichloroethane	97		9.834				ND	
88 Tetrachloroethene	166	9.919	9.913	0.006	95	6558	0.1123	
89 1,3-Dichloropropane	76		10.005				ND	
106 2-Hexanone	43		10.078				ND	7
108 Chlorodibromomethane	129		10.230				ND	
110 Ethylene Dibromide	107		10.340				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1295710	10.0	
114 1,1,1,2-Tetrachloroethane	131		10.925				ND	
115 Ethylbenzene	91		10.925				ND	
116 m-Xylene & p-Xylene	106		11.053				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.395				ND	7
119 Styrene	104		11.413				ND	
120 Bromoform	173		11.565				ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	94	586593	9.13	
126 1,1,2,2-Tetrachloroethane	83		11.968				ND	
128 1,2,3-Trichloropropane	110		12.010				ND	
134 Pentachloroethane	167		12.468				ND	
137 1,3-Dichlorobenzene	146		12.705				ND	7
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	97	690006	10.0	
140 1,4-Dichlorobenzene	146		12.778				ND	7
144 1,2-Dichlorobenzene	146		13.047				ND	
148 1,2-Dibromo-3-Chloropropane	155		13.601				ND	
150 1,2,4-Trichlorobenzene	180		14.162				ND	
151 Hexachlorobutadiene	225		14.248				ND	
152 Naphthalene	128		14.345				ND	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MSV_HP25_ISSS_00117 Amount Added: 1.00 Units: uL Run Reagent

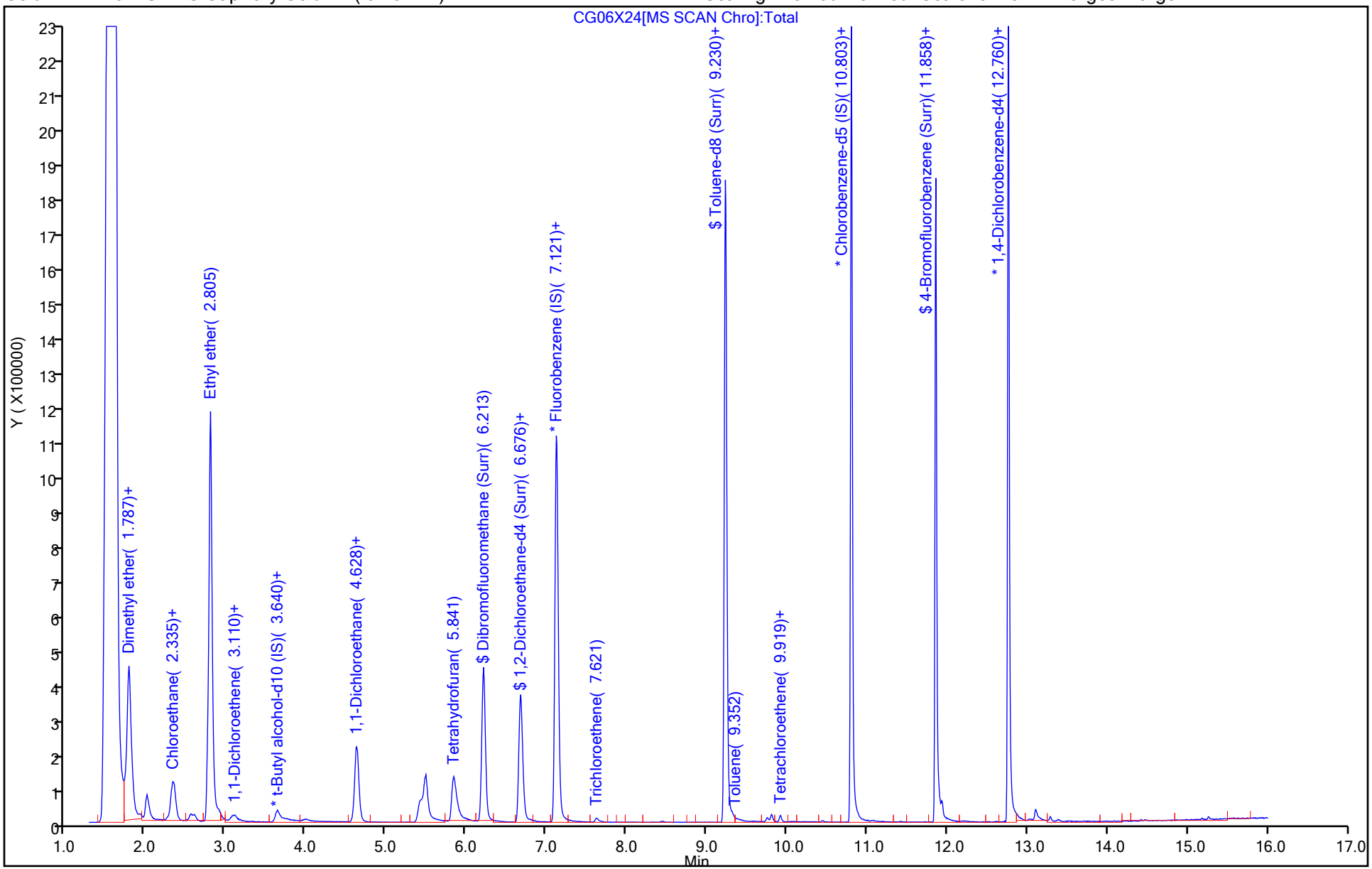
Report Date: 07-Aug-2025 09:11:39 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X24.D

Injection Date:	06-Aug-2025 19:12:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	410-234898-D-1	Lab Sample ID:	410-234898-1	Worklist Smp#:	25
Client ID:	16C1				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X24.D				
Lims ID:	410-234898-D-1				
Client ID:	16C1				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 19:12:30	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-025				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Aug-2025 09:11:38	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:11:38

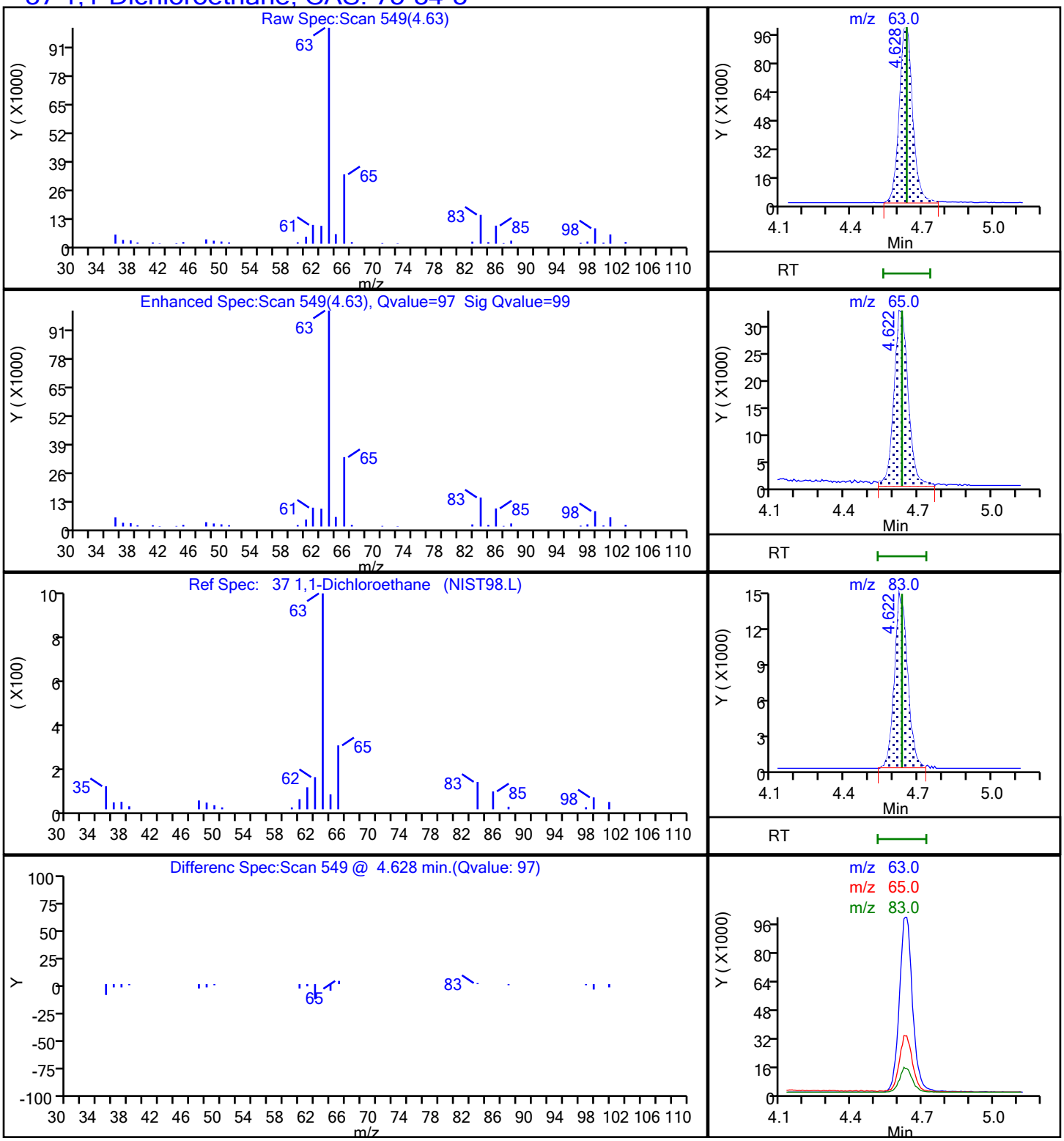
Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.2	112.47
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.8	108.12
$ 83 Toluene-d8 (Surr)	10.0	9.29	92.92
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.13	91.28

Report Date: 07-Aug-2025 09:11:39 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X24.D				
Injection Date:	06-Aug-2025 19:12:30	Instrument ID:	10193		
Lims ID:	410-234898-D-1	Lab Sample ID:	410-234898-1		
Client ID:	16C1				
Operator ID:	ecr105096	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

37 1,1-Dichloroethane, CAS: 75-34-3

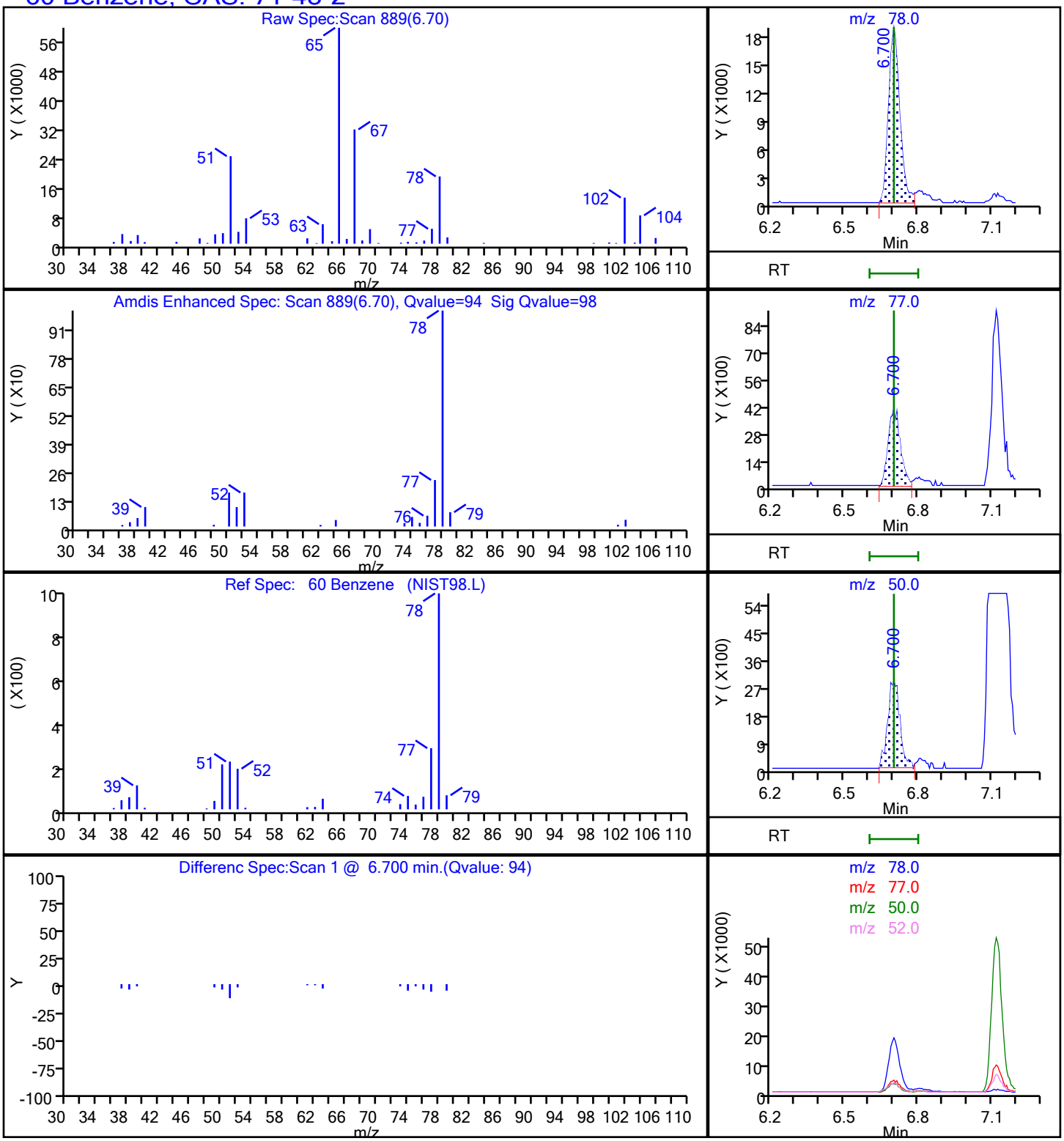


Report Date: 07-Aug-2025 09:11:39 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X24.D				
Injection Date:	06-Aug-2025 19:12:30	Instrument ID:	10193		
Lims ID:	410-234898-D-1	Lab Sample ID:	410-234898-1		
Client ID:	16C1				
Operator ID:	ecr105096	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

60 Benzene, CAS: 71-43-2



Report Date: 07-Aug-2025 09:11:39 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X24.D

Injection Date: 06-Aug-2025 19:12:30 Instrument ID: 10193

Lims ID: 410-234898-D-1 Lab Sample ID: 410-234898-1

Client ID: 16C1

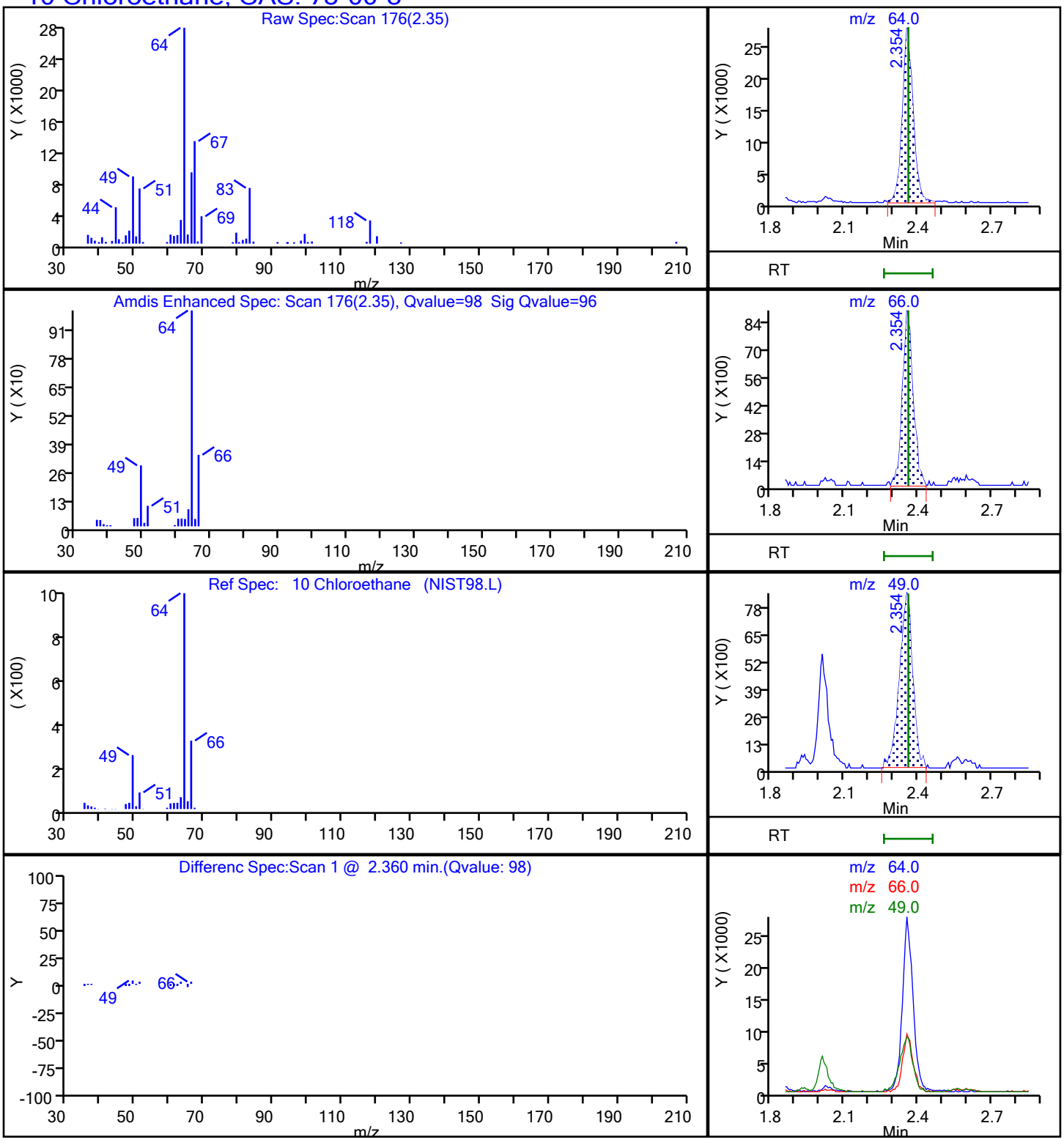
Operator ID: ecr105096 ALS Bottle#: 24 Worklist Smp#: 25

Purge Vol: 25.000 mL Dil. Factor: 1.0000

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

10 Chloroethane, CAS: 75-00-3



Report Date: 07-Aug-2025 09:11:39 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X24.D

Injection Date: 06-Aug-2025 19:12:30 Instrument ID: 10193

Lims ID: 410-234898-D-1 Lab Sample ID: 410-234898-1

Client ID: 16C1

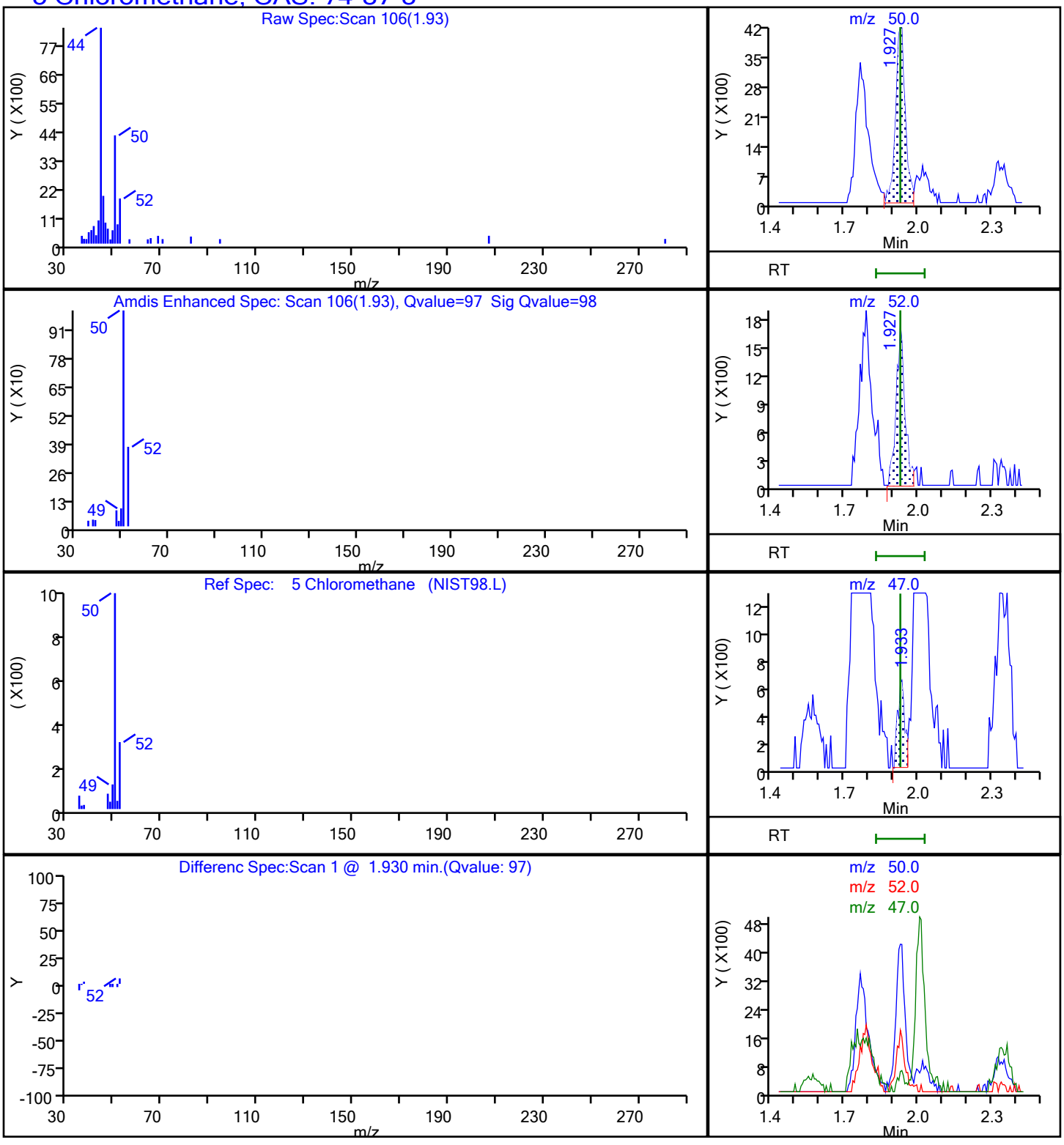
Operator ID: ecr105096 ALS Bottle#: 24 Worklist Smp#: 25

Purge Vol: 25.000 mL Dil. Factor: 1.0000

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

5 Chloromethane, CAS: 74-87-3

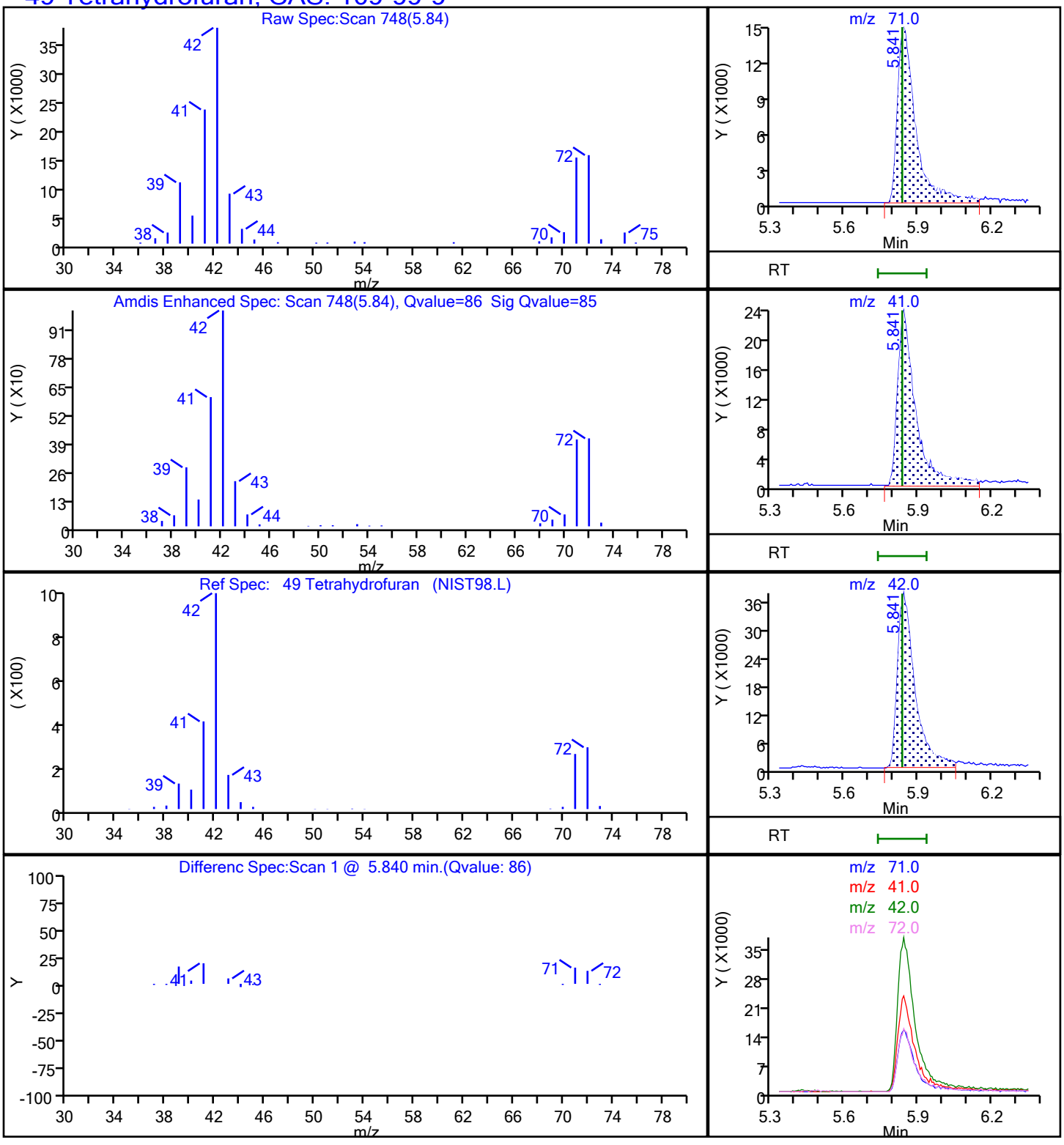


Report Date: 07-Aug-2025 09:11:39 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X24.D				
Injection Date:	06-Aug-2025 19:12:30	Instrument ID:	10193		
Lims ID:	410-234898-D-1	Lab Sample ID:	410-234898-1		
Client ID:	16C1				
Operator ID:	ecr105096	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

49 Tetrahydrofuran, CAS: 109-99-9

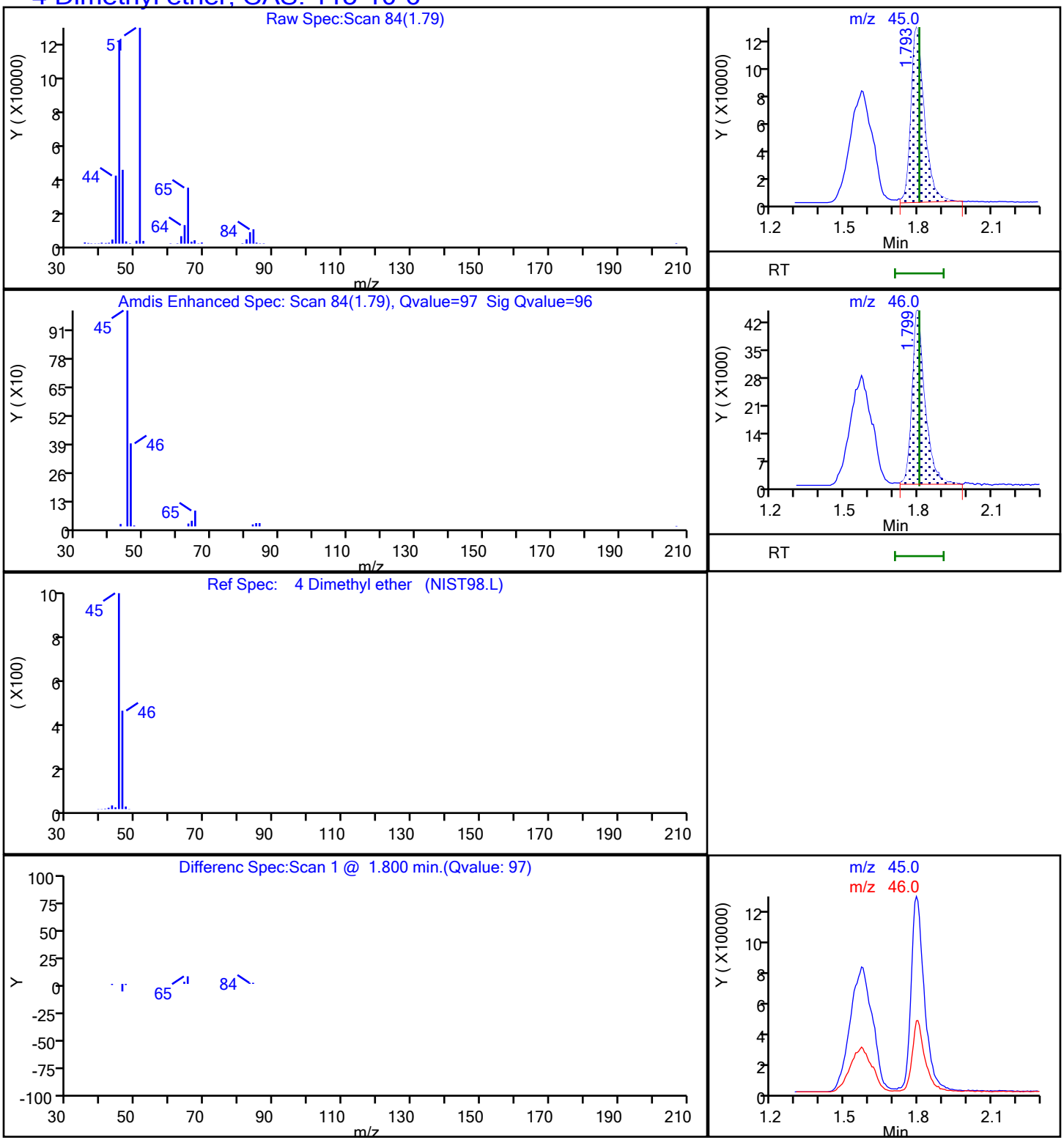


Report Date: 07-Aug-2025 09:11:39 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X24.D				
Injection Date:	06-Aug-2025 19:12:30	Instrument ID:	10193		
Lims ID:	410-234898-D-1	Lab Sample ID:	410-234898-1		
Client ID:	16C1				
Operator ID:	ecr105096	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

4 Dimethyl ether, CAS: 115-10-6



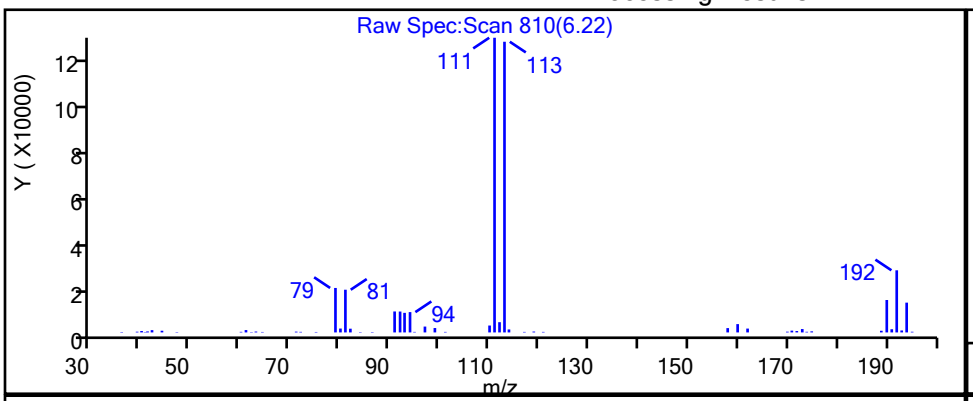
User Disabled Compound Report

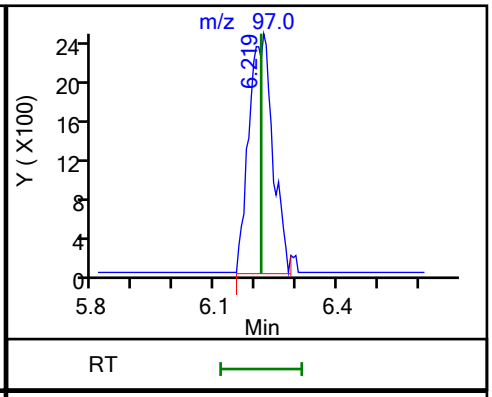
Eurofins Lancaster Laboratories Environment Testing, LLC

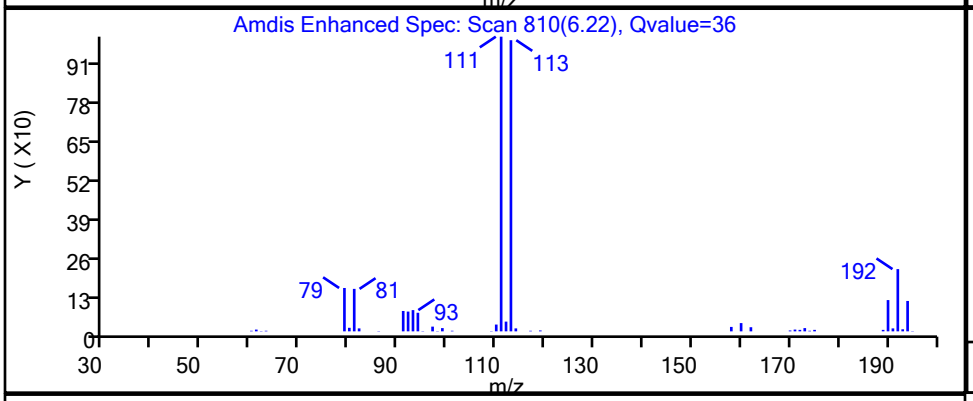
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X24.D				
Injection Date:	06-Aug-2025 19:12:30	Instrument ID:	10193		
Lims ID:	410-234898-D-1	Lab Sample ID:	410-234898-1		
Client ID:	16C1				
Operator ID:	ecr105096	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

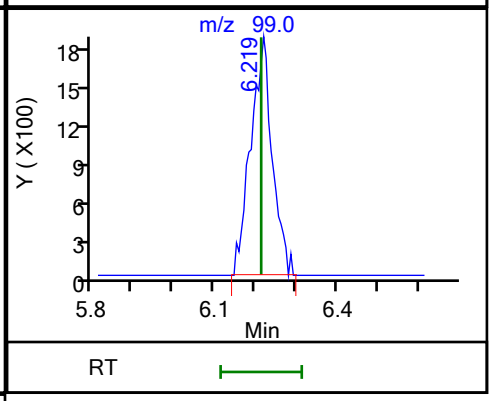
53 1,1,1-Trichloroethane, CAS: 71-55-6

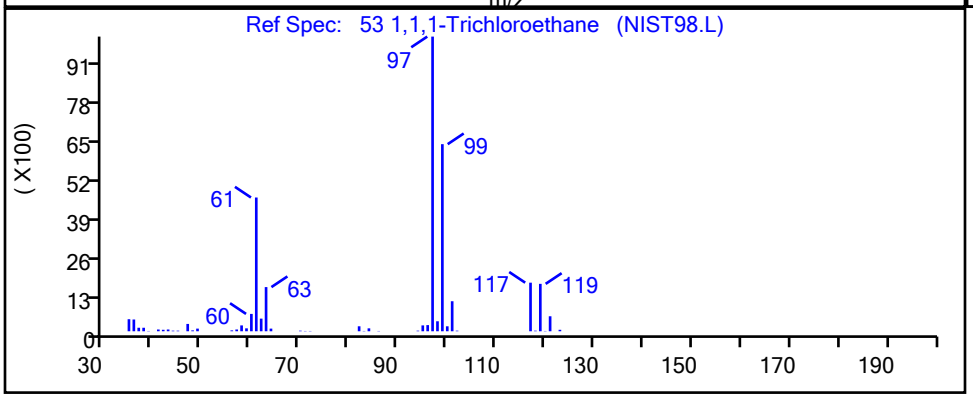
Processing Results











RT	Mass	Response	Amount
6.22	97.00	9918	0.148363
6.22	99.00	6740	

Reviewer: FQ4L, 07-Aug-2025 09:11:16 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

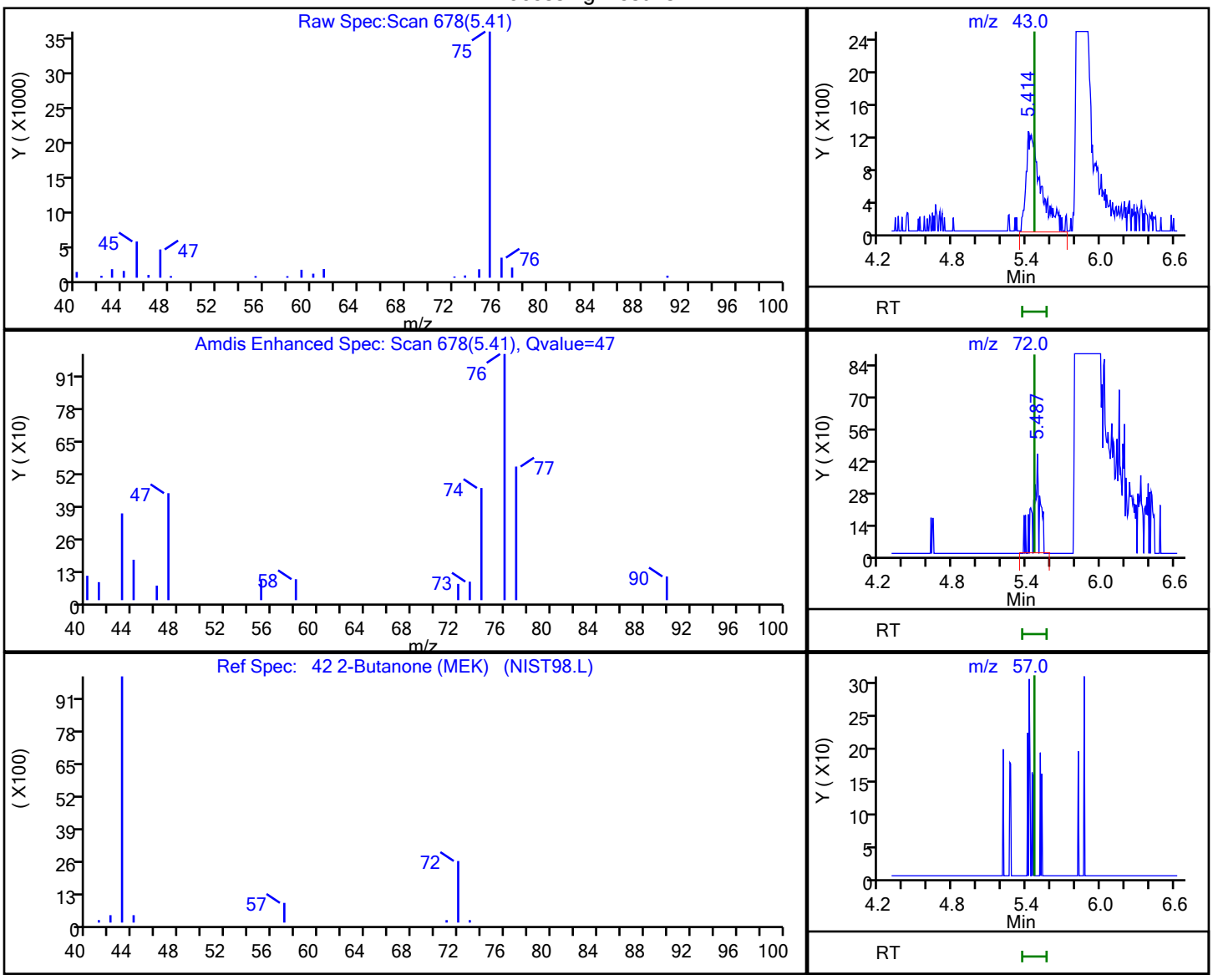
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X24.D				
Injection Date:	06-Aug-2025 19:12:30	Instrument ID:	10193		
Lims ID:	410-234898-D-1	Lab Sample ID:	410-234898-1		
Client ID:	16C1				
Operator ID:	ecr105096	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

42 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
5.41	43.00	10221	1.031501
5.49	72.00	1662	
5.46	57.00	0	

Reviewer: FQ4L, 07-Aug-2025 09:11:06 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

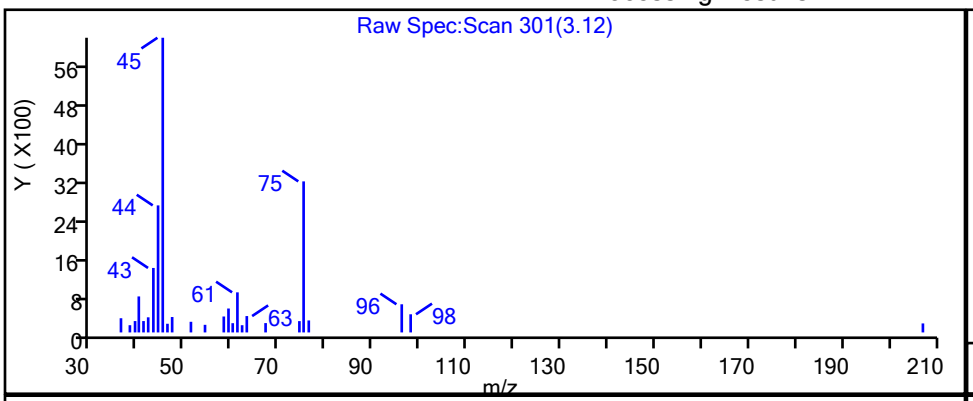
User Disabled Compound Report

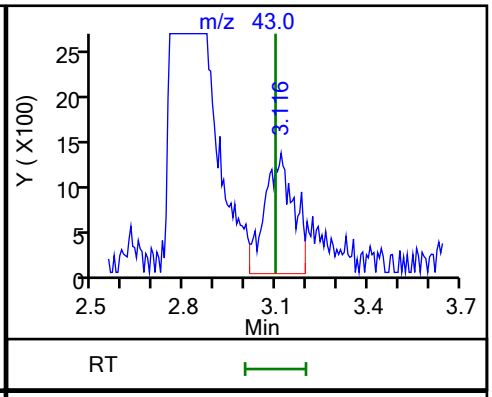
Eurofins Lancaster Laboratories Environment Testing, LLC

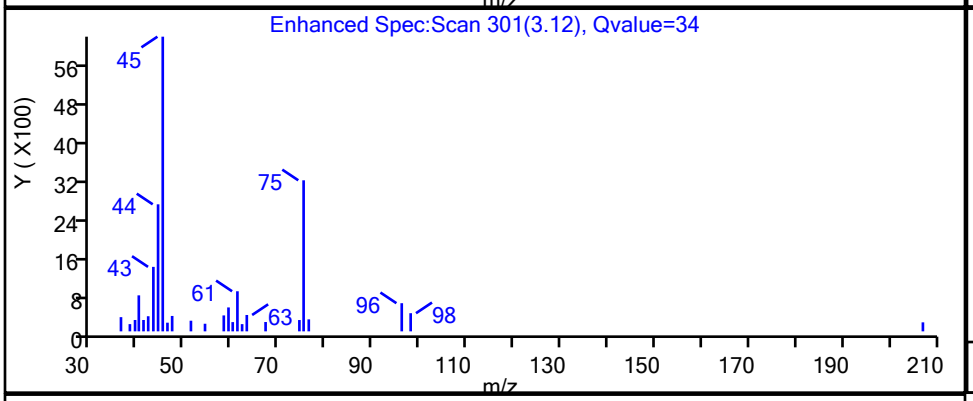
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X24.D				
Injection Date:	06-Aug-2025 19:12:30	Instrument ID:	10193		
Lims ID:	410-234898-D-1	Lab Sample ID:	410-234898-1		
Client ID:	16C1				
Operator ID:	ecr105096	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

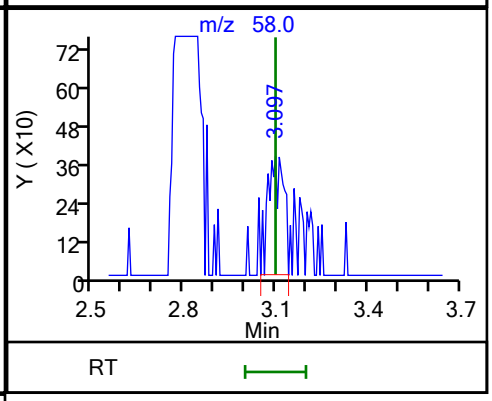
20 Acetone, CAS: 67-64-1

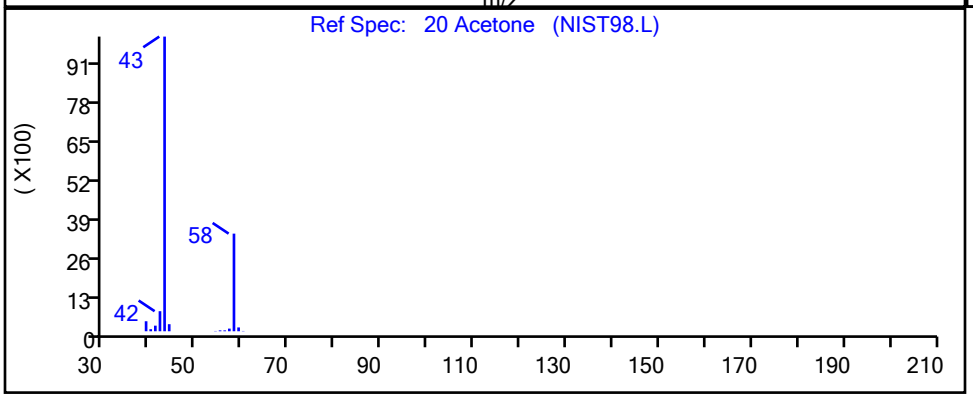
Processing Results











RT	Mass	Response	Amount
3.12	43.00	8781	1.700985
3.10	58.00	1385	

Reviewer: FQ4L, 07-Aug-2025 09:10:24 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

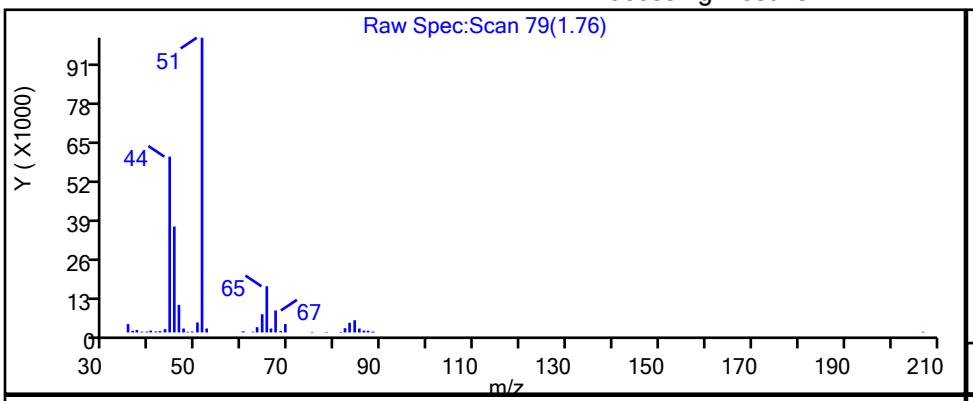
User Disabled Compound Report

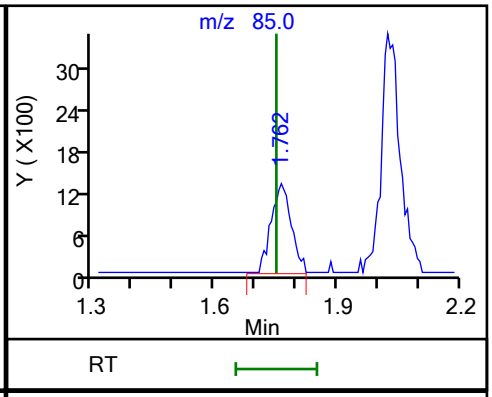
Eurofins Lancaster Laboratories Environment Testing, LLC

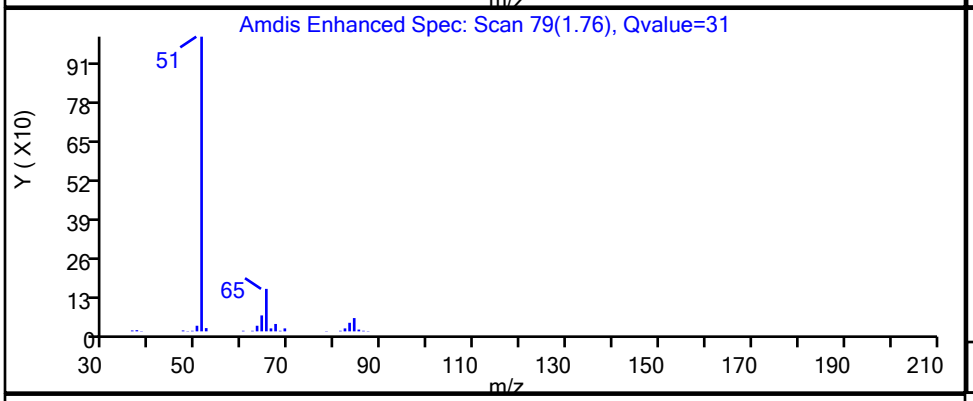
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X24.D				
Injection Date:	06-Aug-2025 19:12:30	Instrument ID:	10193		
Lims ID:	410-234898-D-1	Lab Sample ID:	410-234898-1		
Client ID:	16C1				
Operator ID:	ecr105096	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

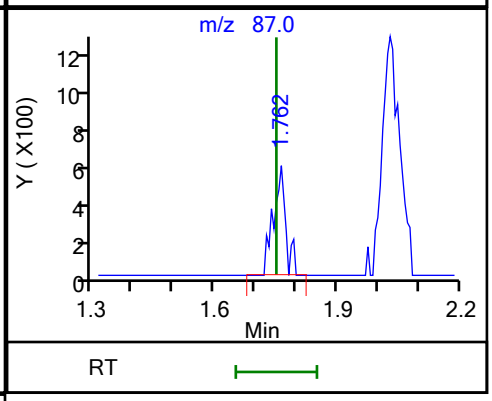
2 Dichlorodifluoromethane, CAS: 75-71-8

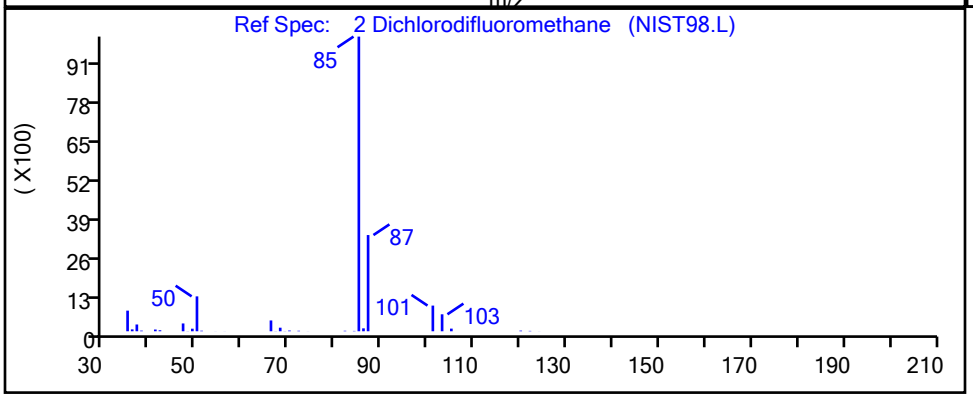
Processing Results











RT	Mass	Response	Amount
1.76	85.00	4450	0.086924
1.76	87.00	1248	

Reviewer: FQ4L, 07-Aug-2025 09:07:28 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

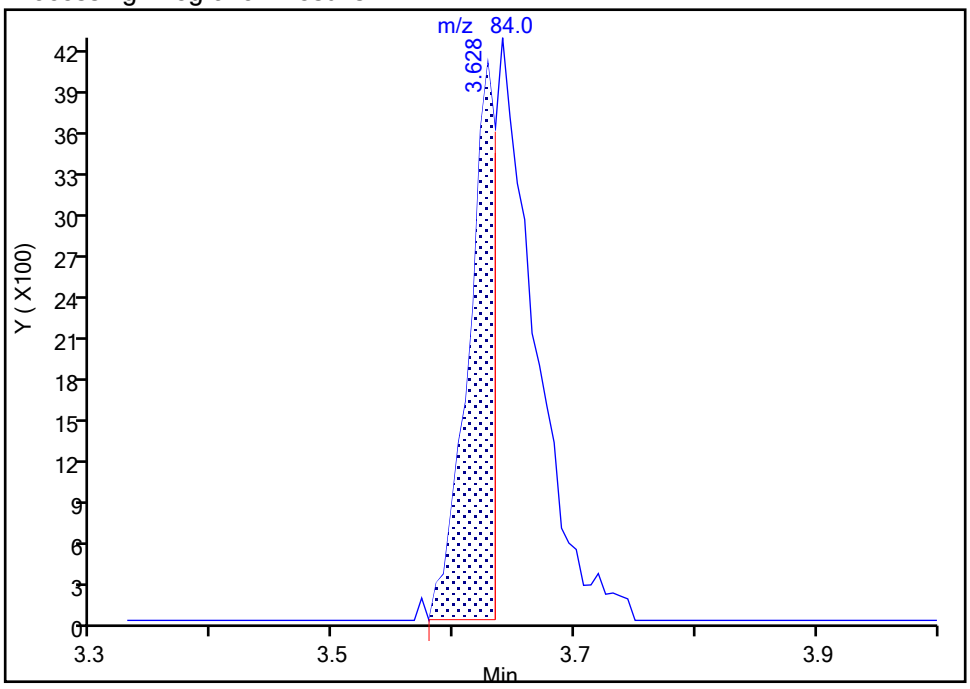
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X24.D				
Injection Date:	06-Aug-2025 19:12:30	Instrument ID:	10193		
Lims ID:	410-234898-D-1	Lab Sample ID:	410-234898-1		
Client ID:	16C1				
Operator ID:	ecr105096	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

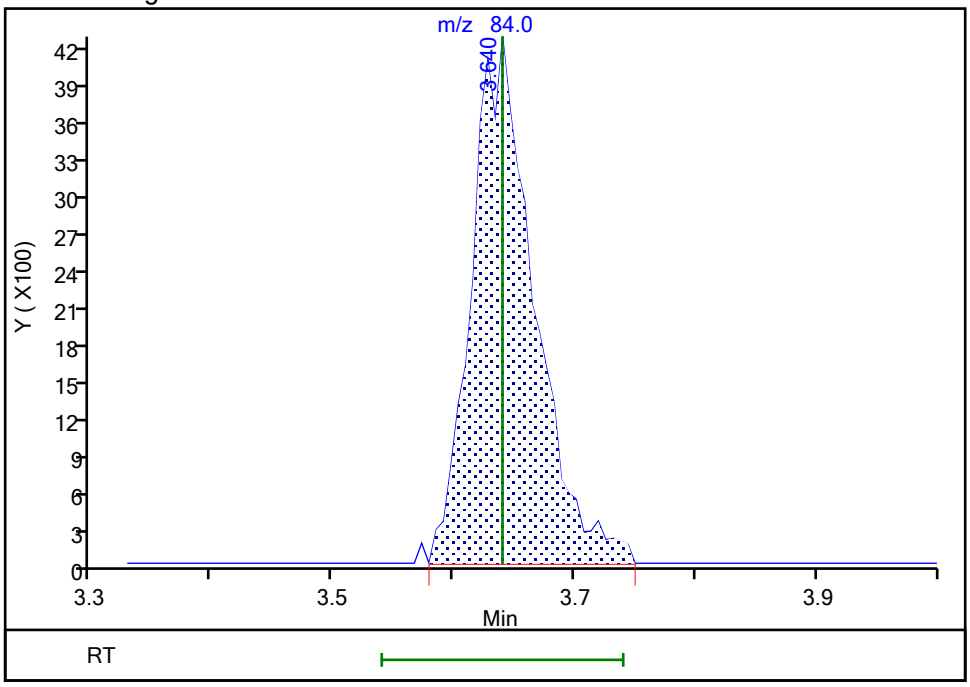
Processing Integration Results

RT: 3.63
Area: 6528
Amount: 0.161624
Amount Units: ug/l



Manual Integration Results

RT: 3.64
Area: 15392
Amount: 0.381083
Amount Units: ug/l



Reviewer: FQ4L, 07-Aug-2025 09:10:40 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

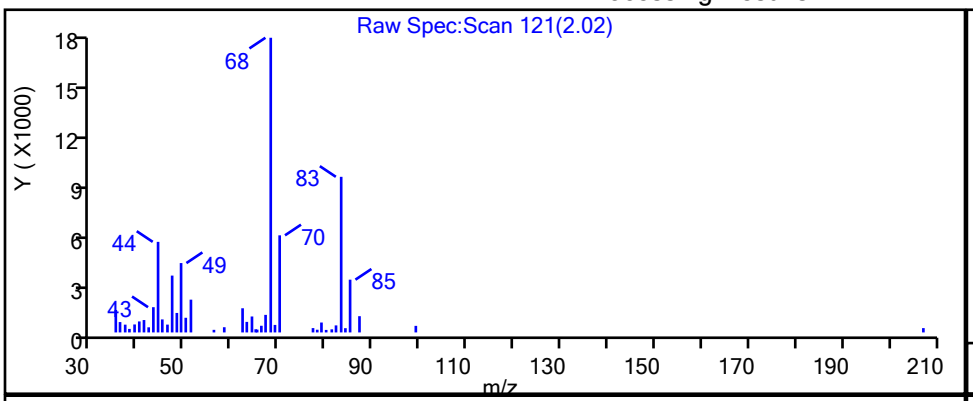
User Disabled Compound Report

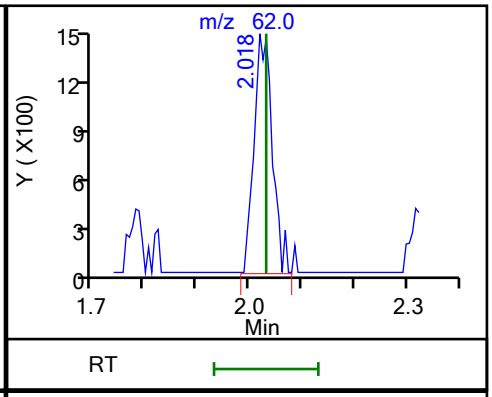
Eurofins Lancaster Laboratories Environment Testing, LLC

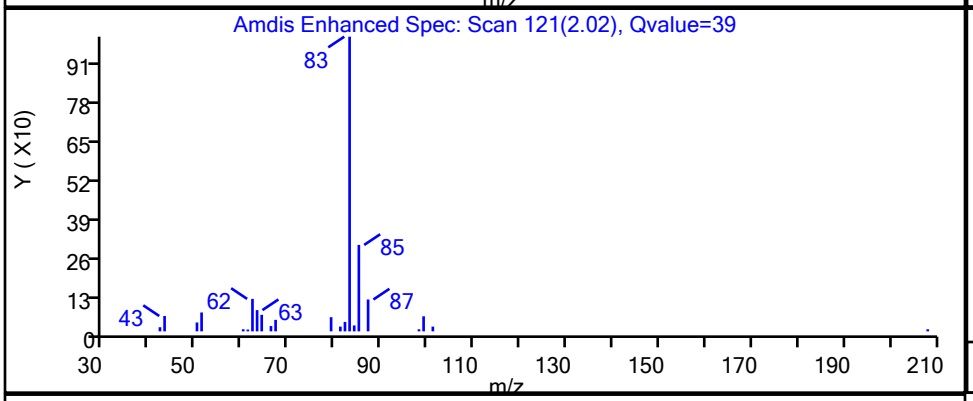
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X24.D				
Injection Date:	06-Aug-2025 19:12:30	Instrument ID:	10193		
Lims ID:	410-234898-D-1	Lab Sample ID:	410-234898-1		
Client ID:	16C1				
Operator ID:	ecr105096	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

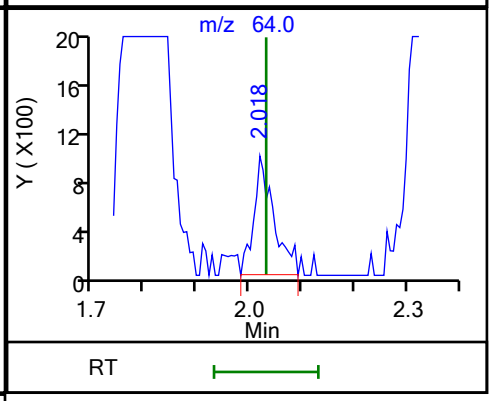
6 Vinyl chloride, CAS: 75-01-4

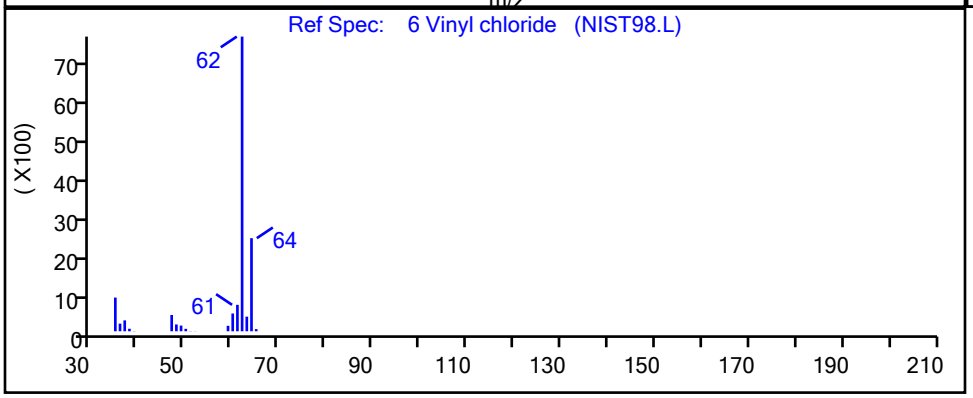
Processing Results











RT	Mass	Response	Amount
2.02	62.00	3518	0.065550
2.02	64.00	2578	

Reviewer: FQ4L, 07-Aug-2025 09:08:23 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16C1 DL
Lab Sample ID: 410-234898-1 DL

Matrix: Water
Lab File ID: CG06X25.D

Analysis Method: 8260D
Date Collected: 07/30/2025 14:20

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 19:35

Soil Aliquot Vol:
Dilution Factor: 10

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
60-29-7	Diethyl ether	31.2	J	100	11.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	113		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		80-120
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X25.D
Lims ID: 410-234898-E-1 DL
Client ID: 16C1
Sample Type: Client
Inject. Date: 06-Aug-2025 19:35:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0155688-026
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 09:06:34 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:07:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.750				ND	
4 Dimethyl ether	45	1.799	1.805	-0.006	99	43311	0.5975	
5 Chloromethane	50		1.927				ND	7
6 Vinyl chloride	62		2.031				ND	7
9 Bromomethane	94		2.329				ND	
10 Chloroethane	64	2.360	2.360	0.000	96	7048	0.2261	
12 Trichlorofluoromethane	101		2.658				ND	
14 Ethyl ether	59	2.811	2.805	0.006	93	103255	3.12	
18 1,1-Dichloroethene	96		3.073				ND	7
20 Acetone	43	3.110	3.097	0.013	35	6181	1.28	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.128				ND	
22 Iodomethane	142		3.238				ND	
25 Carbon disulfide	76		3.329				ND	7
27 Acetonitrile	41		3.451				ND	
29 3-Chloro-1-propene	41		3.475				ND	
30 Methylene Chloride	84		3.640				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.670	3.640	0.030	94	101875	50.0	
33 Acrylonitrile	53		3.939				ND	
35 trans-1,2-Dichloroethene	96		3.987				ND	
37 1,1-Dichloroethane	63	4.634	4.634	0.000	97	36776	0.4776	
38 Vinyl acetate	43		4.640				ND	
40 2-Chloro-1,3-butadiene	53		4.743				ND	
42 2-Butanone (MEK)	43		5.463				ND	7
45 Propionitrile	54		5.554				ND	
47 Methacrylonitrile	67		5.780				ND	
49 Tetrahydrofuran	71	5.841	5.835	0.006	81	5253	2.00	
50 Chloroform	83		5.993				ND	
53 1,1,1-Trichloroethane	97		6.213				ND	7
$ 54 Dibromofluoromethane (Surr)	113	6.213	6.213	0.000	93	429706	11.3	
56 Carbon tetrachloride	117		6.426				ND	
58 Isobutyl alcohol	41		6.639				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.670	6.676	-0.006	99	86238	11.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
60 Benzene	78	6.713	6.700	0.013	45	6006	0.0328	
61 1,2-Dichloroethane	62		6.780				ND	
* 65 Fluorobenzene (IS)	96	7.121	7.127	-0.006	99	1610815	10.0	
68 Trichloroethene	95		7.615				ND	
70 1,2-Dichloropropane	63		7.956				ND	
74 1,4-Dioxane	88		8.066				ND	
72 Dibromomethane	93		8.072				ND	
73 Methyl methacrylate	69		8.072				ND	
76 Dichlorobromomethane	83		8.316				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.102				ND	
$ 83 Toluene-d8 (Surr)	98	9.230	9.230	0.000	94	1672951	9.41	
84 Toluene	92		9.316				ND	7
85 trans-1,3-Dichloropropene	75		9.614				ND	
86 Ethyl methacrylate	69		9.700				ND	
87 1,1,2-Trichloroethane	97		9.834				ND	
88 Tetrachloroethene	166		9.913				ND	
89 1,3-Dichloropropane	76		10.005				ND	
106 2-Hexanone	43		10.078				ND	
108 Chlorodibromomethane	129		10.230				ND	
110 Ethylene Dibromide	107		10.340				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1354272	10.0	
114 1,1,1,2-Tetrachloroethane	131		10.925				ND	
115 Ethylbenzene	91		10.925				ND	
116 m-Xylene & p-Xylene	106		11.053				ND	
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.395				ND	
119 Styrene	104		11.413				ND	
120 Bromoform	173		11.565				ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	94	616250	9.17	
126 1,1,2,2-Tetrachloroethane	83		11.968				ND	
128 1,2,3-Trichloropropane	110		12.010				ND	
134 Pentachloroethane	167		12.468				ND	
137 1,3-Dichlorobenzene	146		12.705				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	715703	10.0	
140 1,4-Dichlorobenzene	146		12.778				ND	7
144 1,2-Dichlorobenzene	146		13.047				ND	
148 1,2-Dibromo-3-Chloropropane	155		13.601				ND	
150 1,2,4-Trichlorobenzene	180		14.162				ND	
151 Hexachlorobutadiene	225		14.248				ND	
152 Naphthalene	128		14.345				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP25_ISSS_00117 Amount Added: 1.00 Units: uL Run Reagent

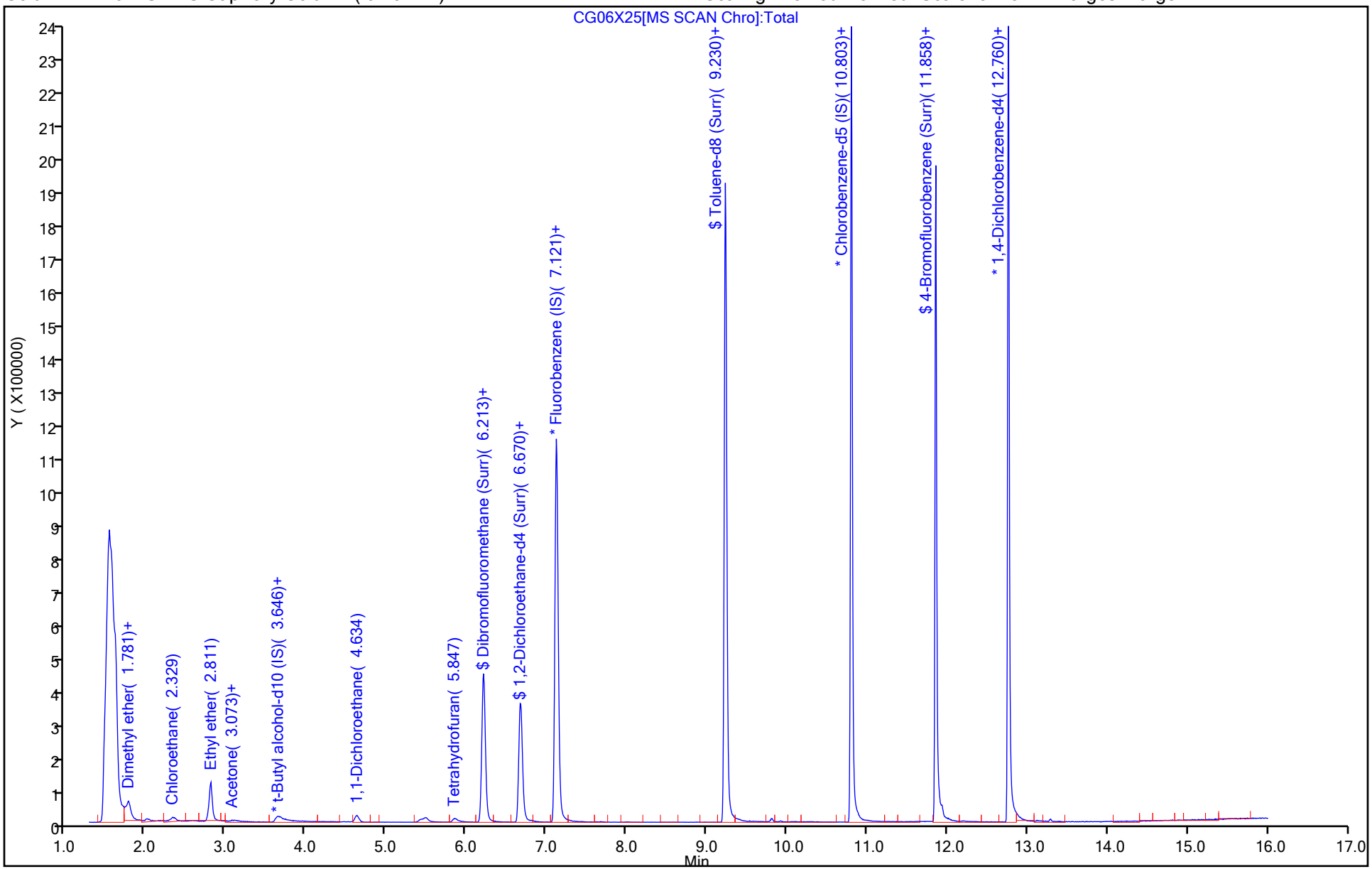
Report Date: 07-Aug-2025 09:07:15 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X25.D

Injection Date:	06-Aug-2025 19:35:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	410-234898-E-1 DL	Lab Sample ID:	410-234898-1	Worklist Smp#:	26
Client ID:	16C1				
Purge Vol:	25.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	25
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X25.D				
Lims ID:	410-234898-E-1 DL				
Client ID:	16C1				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 19:35:30	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	25.000 mL	Dil. Factor:	10.0000		
Sample Info:	410-0155688-026				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Aug-2025 09:06:34	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:07:14

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.3	113.05
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.0	109.94
$ 83 Toluene-d8 (Surr)	10.0	9.41	94.05
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.17	91.75

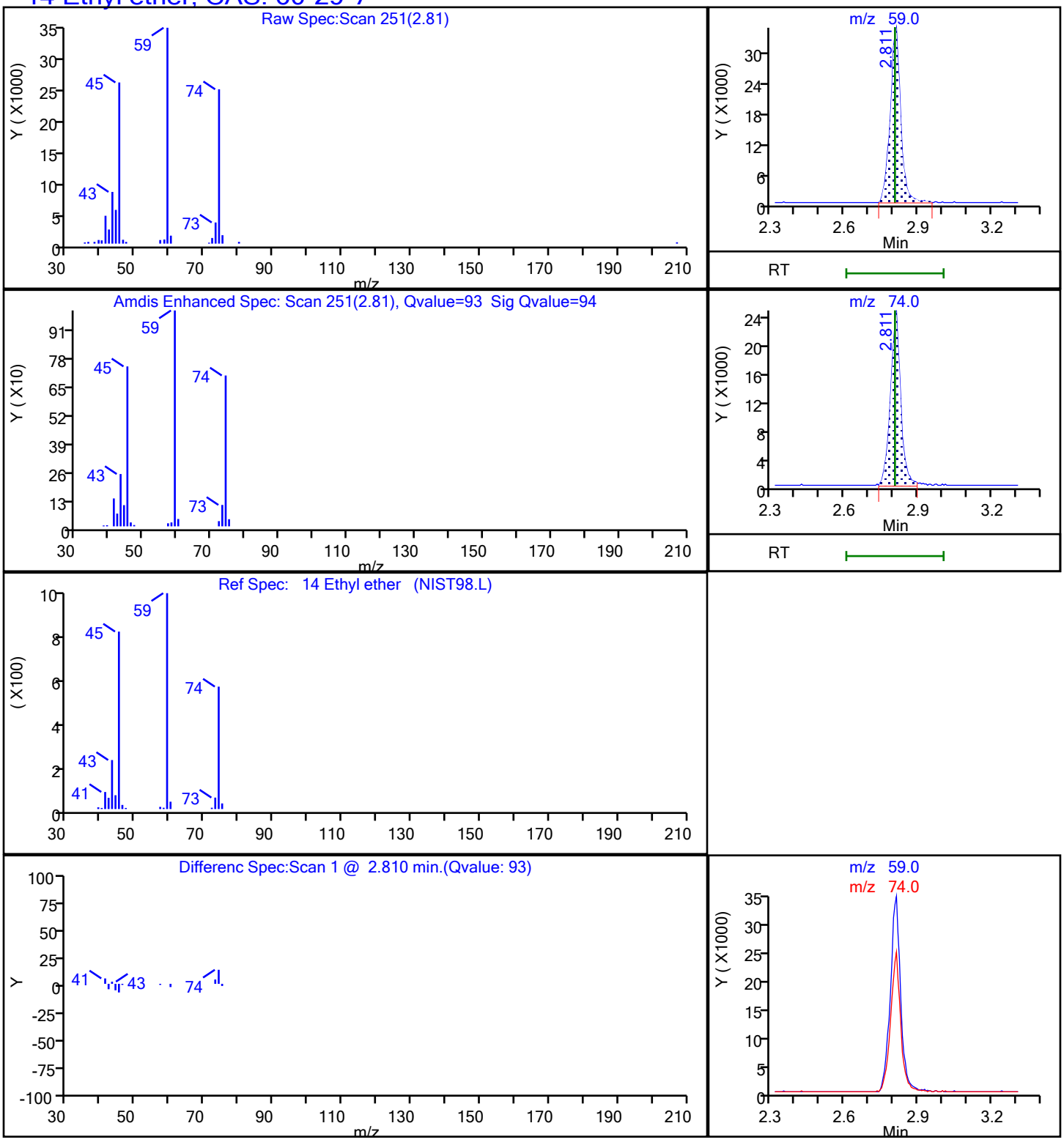
Report Date: 07-Aug-2025 09:07:15 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X25.D

Injection Date:	06-Aug-2025 19:35:30	Instrument ID:	10193		
Lims ID:	410-234898-E-1 DL	Lab Sample ID:	410-234898-1		
Client ID:	16C1				
Operator ID:	ecr105096	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	25.000 mL	Dil. Factor:	10.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

14 Ethyl ether, CAS: 60-29-7



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16MW8
Lab Sample ID: 410-234898-2

Matrix: Water
Lab File ID: CG06X11.D

Analysis Method: 8260D
Date Collected: 07/29/2025 11:20

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 14:23

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.00	0.300
71-55-6	1,1,1-Trichloroethane	ND		1.00	0.300
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.00	0.300
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.400
79-00-5	1,1,2-Trichloroethane	ND		1.00	0.300
75-34-3	1,1-Dichloroethane	ND		1.00	0.300
75-35-4	1,1-Dichloroethene	ND		1.00	0.300
96-18-4	1,2,3-Trichloropropane	ND		1.00	0.300
120-82-1	1,2,4-Trichlorobenzene	ND		1.00	0.600
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.00	0.400
106-93-4	1,2-Dibromoethane	ND		1.00	0.300
95-50-1	1,2-Dichlorobenzene	ND		1.00	0.400
107-06-2	1,2-Dichloroethane	ND		1.00	0.300
78-87-5	1,2-Dichloropropane	ND		1.00	0.400
541-73-1	1,3-Dichlorobenzene	ND		1.00	0.400
142-28-9	1,3-Dichloropropane	ND		1.00	0.400
106-46-7	1,4-Dichlorobenzene	ND		1.00	0.400
123-91-1	1,4-Dioxane	ND		200	45.5
78-93-3	2-Butanone	ND	cn	10.0	1.70
591-78-6	2-Hexanone	ND	cn	10.0	2.00
108-10-1	4-Methyl-2-pentanone	ND	cn	10.0	2.00
67-64-1	Acetone	ND		10.0	2.00
75-05-8	Acetonitrile	ND		100	31.6
107-13-1	Acrylonitrile	ND		10.0	1.10
107-05-1	Allyl chloride	ND		10.0	1.00
71-43-2	Benzene	ND		1.00	0.300
75-27-4	Bromodichloromethane	ND		1.00	0.300
75-25-2	Bromoform	ND		1.00	0.400
74-83-9	Bromomethane	ND		1.00	0.542
75-15-0	Carbon disulfide	ND		10.0	0.400
56-23-5	Carbon tetrachloride	ND		1.00	0.300

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16MW8
Lab Sample ID: 410-234898-2

Matrix: Water
Lab File ID: CG06X11.D

Analysis Method: 8260D
Date Collected: 07/29/2025 11:20

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 14:23

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	ND		1.00	0.100
67-66-3	Chloroform	ND		1.00	0.300
74-87-3	Chloromethane	ND		1.00	0.100
126-99-8	Chloroprene	ND		10.0	0.460
124-48-1	Dibromochloromethane	ND		1.00	0.400
74-95-3	Dibromomethane	ND		1.00	0.300
75-71-8	Dichlorodifluoromethane	ND		1.00	0.400
60-29-7	Diethyl ether	6.41	J	10.0	1.11
97-63-2	Ethyl methacrylate	ND		10.0	0.810
100-41-4	Ethylbenzene	ND		1.00	0.300
87-68-3	Hexachlorobutadiene	ND		1.00	0.400
78-83-1	Isobutyl alcohol	ND		200	11.6
179601-23-1	m&p-Xylene	ND		2.00	0.400
126-98-7	Methacrylonitrile	ND	cn	100	9.75
74-88-4	Methyl iodide	ND		10.0	0.580
80-62-6	Methyl methacrylate	ND		10.0	3.58
75-09-2	Methylene Chloride	ND		1.00	0.700
91-20-3	Naphthalene	ND		1.00	0.400
95-47-6	o-Xylene	ND		1.00	0.400
76-01-7	Pentachloroethane	ND		10.0	1.70
107-12-0	Propionitrile	ND	cn	100	10.2
100-42-5	Styrene	ND		1.00	0.300
127-18-4	Tetrachloroethene	ND		1.00	0.300
109-99-9	Tetrahydrofuran	ND	cn	25.0	2.00
108-88-3	Toluene	ND		1.00	0.300
156-60-5	trans-1,2-Dichloroethene	ND		1.00	0.300
10061-02-6	trans-1,3-Dichloropropene	ND		1.00	0.400
79-01-6	Trichloroethene	ND		1.00	0.300
75-69-4	Trichlorofluoromethane	ND		1.00	0.400
108-05-4	Vinyl acetate	ND		10.0	3.29
75-01-4	Vinyl chloride	ND		1.00	0.200
1330-20-7	Xylenes, Total	ND		3.00	0.400

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16MW8
Lab Sample ID: 410-234898-2

Matrix: Water
Lab File ID: CG06X11.D

Analysis Method: 8260D
Date Collected: 07/29/2025 11:20

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 14:23

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
115-10-6	Dimethyl ether	ND		0.500	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	91		80-120
1868-53-7	Dibromofluoromethane (Surr)	111		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-120
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X11.D
Lims ID: 410-234898-B-2
Client ID: 16MW8
Sample Type: Client
Inject. Date: 06-Aug-2025 14:23:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-012
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 09:02:31 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:02:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.750				ND	
4 Dimethyl ether	45	1.793	1.805	-0.012	94	19183	0.2577	
5 Chloromethane	50		1.927				ND	7
6 Vinyl chloride	62		2.031				ND	
9 Bromomethane	94		2.329				ND	7
10 Chloroethane	64		2.360				ND	U
12 Trichlorofluoromethane	101		2.658				ND	
14 Ethyl ether	59	2.811	2.805	0.006	94	218036	6.41	
18 1,1-Dichloroethene	96		3.073				ND	7
20 Acetone	43	3.098	3.097	0.001	90	10170	1.68	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.128				ND	
22 Iodomethane	142		3.238				ND	
25 Carbon disulfide	76		3.329				ND	7
27 Acetonitrile	41		3.451				ND	
29 3-Chloro-1-propene	41		3.475				ND	
30 Methylene Chloride	84		3.640				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.646	3.640	0.006	96	128011	50.0	
33 Acrylonitrile	53		3.939				ND	
35 trans-1,2-Dichloroethene	96		3.987				ND	
37 1,1-Dichloroethane	63	4.634	4.634	0.000	96	14880	0.1882	
38 Vinyl acetate	43		4.640				ND	
40 2-Chloro-1,3-butadiene	53		4.743				ND	
42 2-Butanone (MEK)	43		5.463				ND	7
45 Propionitrile	54		5.554				ND	
47 Methacrylonitrile	67		5.780				ND	
49 Tetrahydrofuran	71	5.853	5.835	0.018	82	4865	1.47	
50 Chloroform	83		5.993				ND	
53 1,1,1-Trichloroethane	97		6.213				ND	
$ 54 Dibromofluoromethane (Surr)	113	6.213	6.213	0.000	94	434008	11.1	
56 Carbon tetrachloride	117		6.426				ND	
58 Isobutyl alcohol	41		6.639				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.676	6.676	0.000	99	86287	10.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
60 Benzene	78	6.707	6.700	0.007	91	7988	0.0425	a
61 1,2-Dichloroethane	62		6.780				ND	
* 65 Fluorobenzene (IS)	96	7.127	7.127	0.000	99	1654185	10.0	
68 Trichloroethene	95		7.615				ND	
70 1,2-Dichloropropane	63		7.956				ND	
74 1,4-Dioxane	88		8.066				ND	
72 Dibromomethane	93		8.072				ND	
73 Methyl methacrylate	69		8.072				ND	
76 Dichlorobromomethane	83		8.316				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.102				ND	
$ 83 Toluene-d8 (Surr)	98	9.237	9.230	0.007	94	1705582	9.39	
84 Toluene	92		9.316				ND	7
85 trans-1,3-Dichloropropene	75		9.614				ND	
86 Ethyl methacrylate	69		9.700				ND	
87 1,1,2-Trichloroethane	97		9.834				ND	
88 Tetrachloroethene	166	9.926	9.913	0.013	91	2702	0.0433	
89 1,3-Dichloropropane	76		10.005				ND	
106 2-Hexanone	43		10.078				ND	7
108 Chlorodibromomethane	129		10.230				ND	
110 Ethylene Dibromide	107		10.340				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1383167	10.0	
114 1,1,1,2-Tetrachloroethane	131		10.925				ND	
115 Ethylbenzene	91		10.925				ND	
116 m-Xylene & p-Xylene	106		11.053				ND	
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.395				ND	
119 Styrene	104		11.413				ND	
120 Bromoform	173		11.565				ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	94	627190	9.14	
126 1,1,2,2-Tetrachloroethane	83		11.968				ND	
128 1,2,3-Trichloropropane	110		12.010				ND	
134 Pentachloroethane	167		12.468				ND	
137 1,3-Dichlorobenzene	146		12.705				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	740040	10.0	
140 1,4-Dichlorobenzene	146		12.778				ND	7
144 1,2-Dichlorobenzene	146		13.047				ND	
148 1,2-Dibromo-3-Chloropropane	155		13.601				ND	
150 1,2,4-Trichlorobenzene	180		14.162				ND	
151 Hexachlorobutadiene	225		14.248				ND	
152 Naphthalene	128		14.345				ND	

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected
- a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00117 Amount Added: 1.00 Units: uL Run Reagent

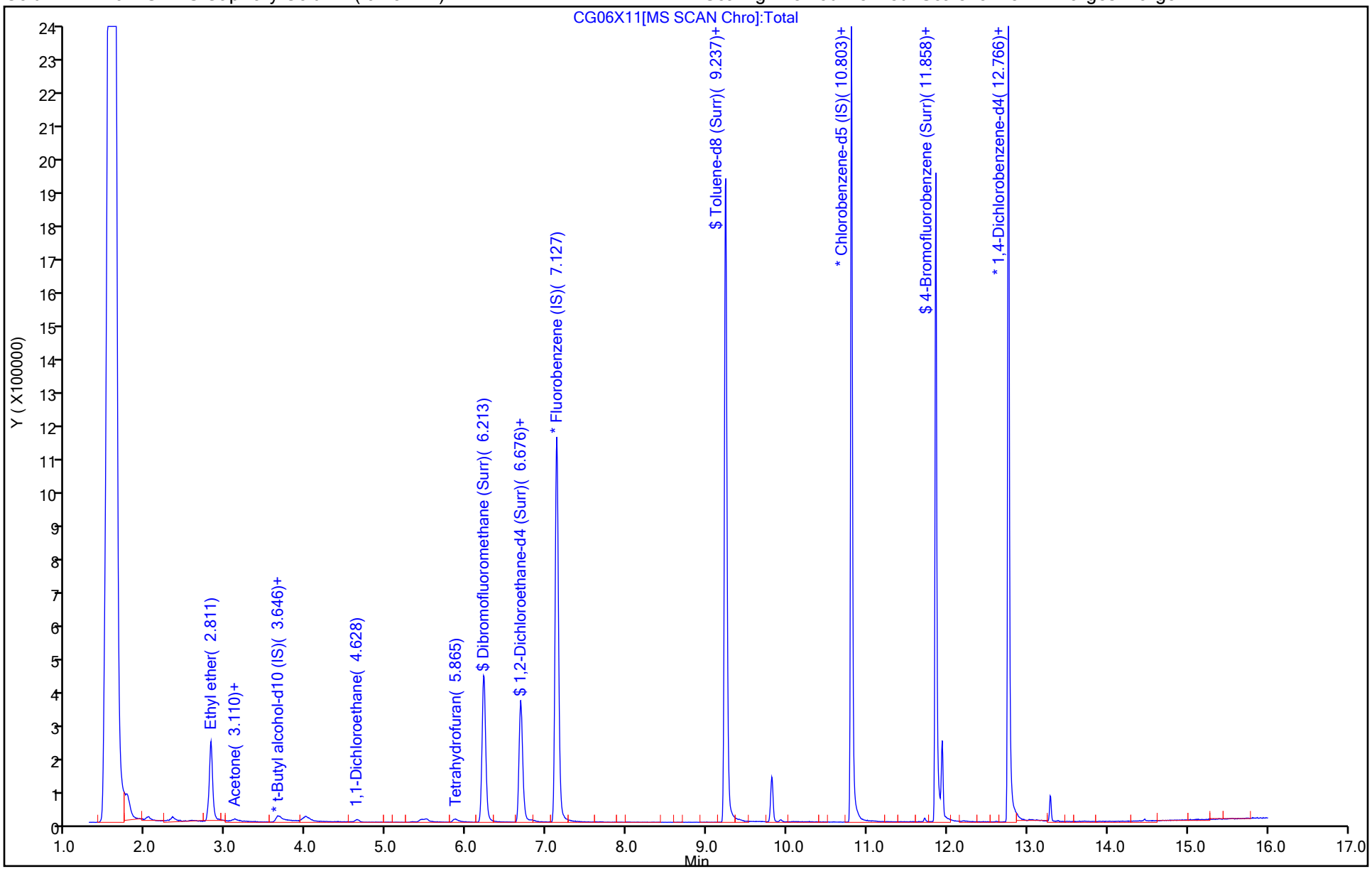
Report Date: 07-Aug-2025 09:02:32 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X11.D

Injection Date:	06-Aug-2025 14:23:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	410-234898-B-2	Lab Sample ID:	410-234898-2	Worklist Smp#:	12
Client ID:	16MW8				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X11.D				
Lims ID:	410-234898-B-2				
Client ID:	16MW8				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 14:23:30	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-012				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Aug-2025 09:02:31	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:02:31

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.1	111.18
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.7	107.12
$ 83 Toluene-d8 (Surr)	10.0	9.39	93.88
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.14	91.43

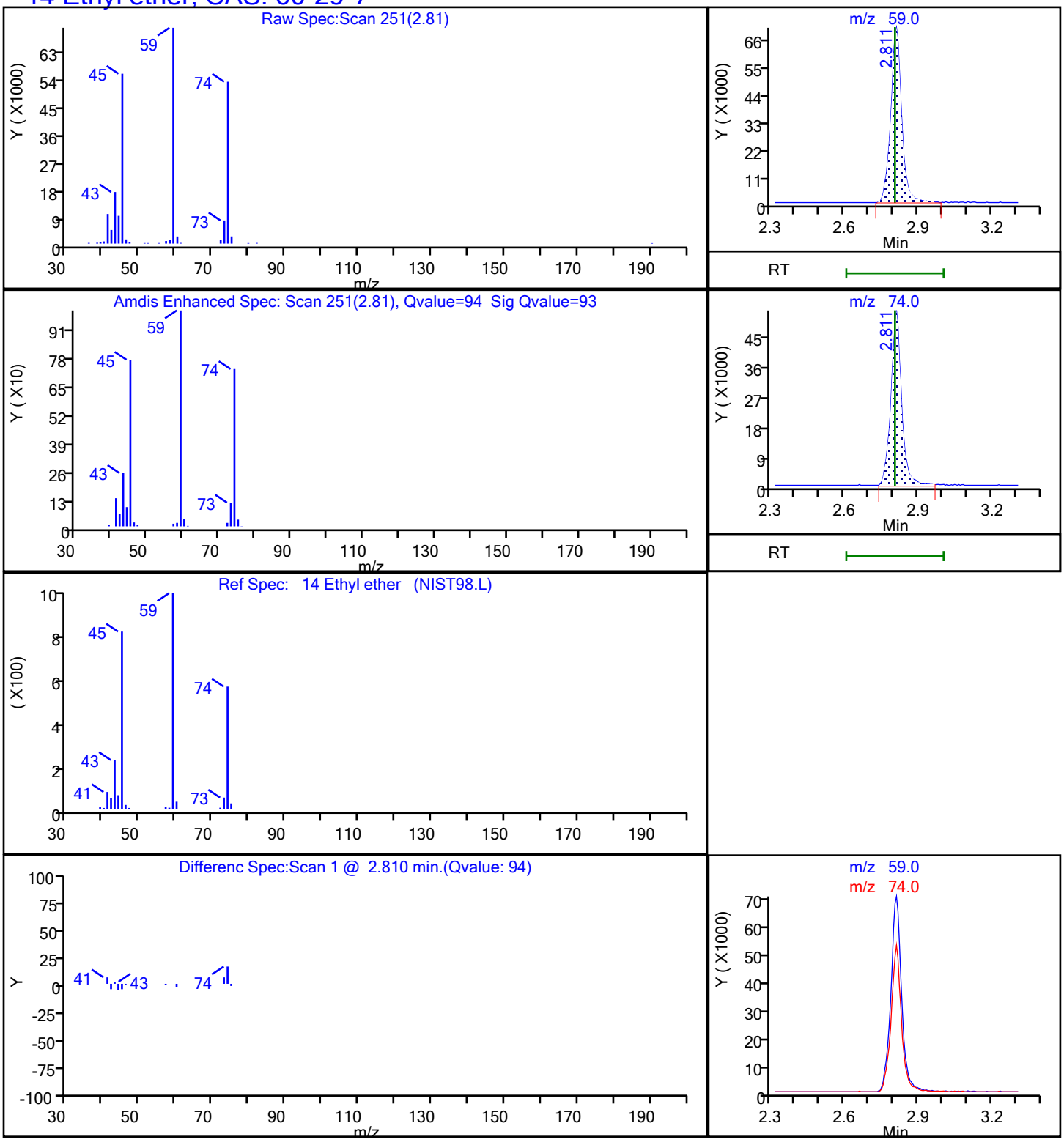
Report Date: 07-Aug-2025 09:02:32 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X11.D

Injection Date:	06-Aug-2025 14:23:30	Instrument ID:	10193		
Lims ID:	410-234898-B-2	Lab Sample ID:	410-234898-2		
Client ID:	16MW8				
Operator ID:	ecr105096	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

14 Ethyl ether, CAS: 60-29-7



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

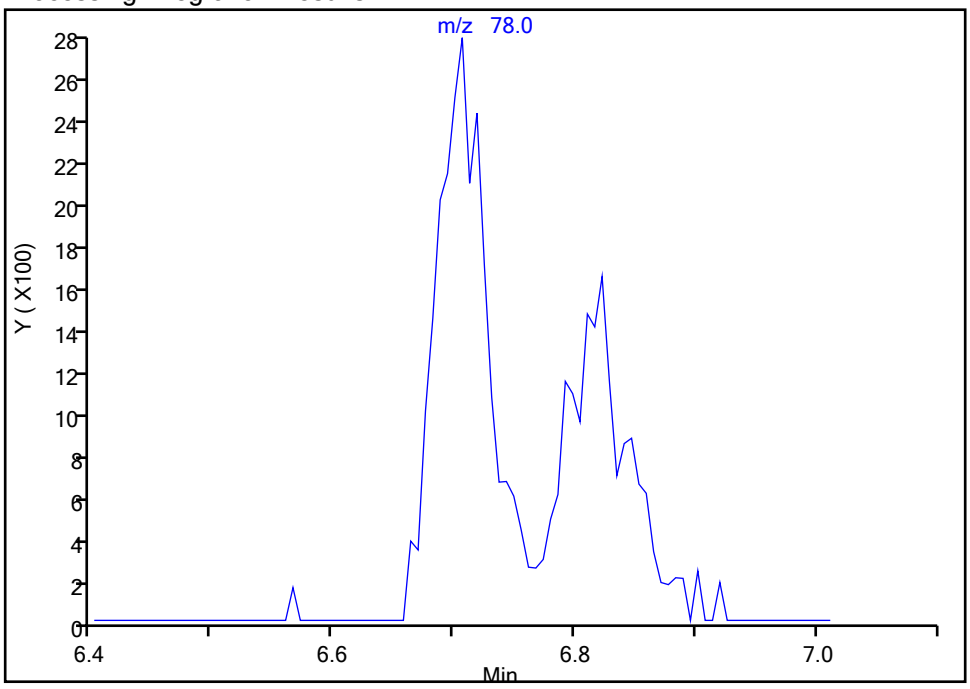
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X11.D				
Injection Date:	06-Aug-2025 14:23:30	Instrument ID:	10193		
Lims ID:	410-234898-B-2	Lab Sample ID:	410-234898-2		
Client ID:	16MW8				
Operator ID:	ecr105096	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

60 Benzene, CAS: 71-43-2

Signal: 1

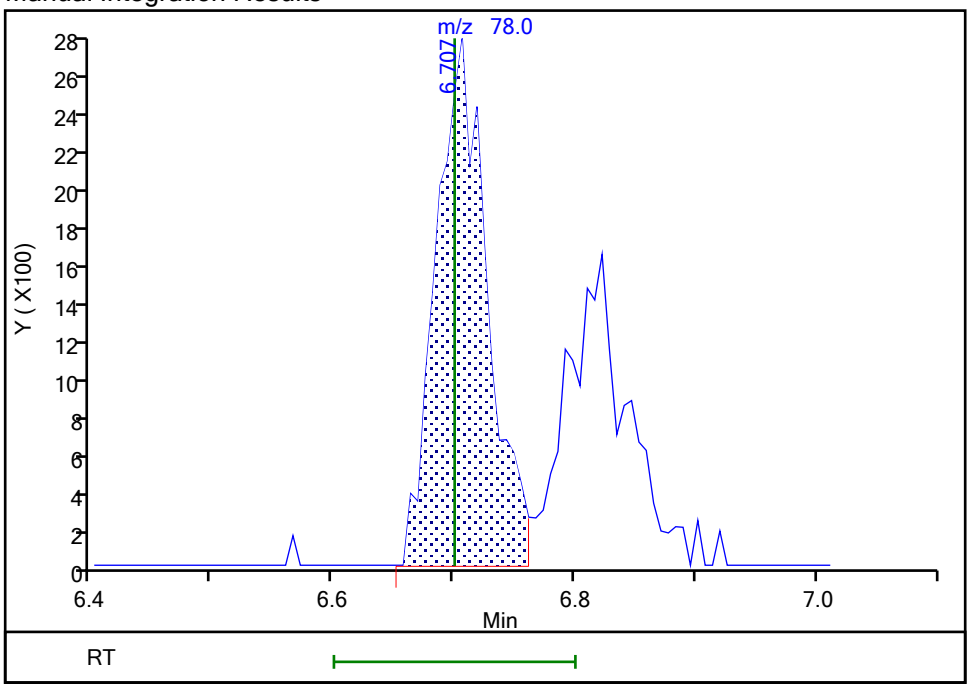
Not Detected
Expected RT: 6.70

Processing Integration Results



Manual Integration Results

RT: 6.71
Area: 7988
Amount: 0.042462
Amount Units: ug/l



Reviewer: FQ4L, 07-Aug-2025 09:02:17 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

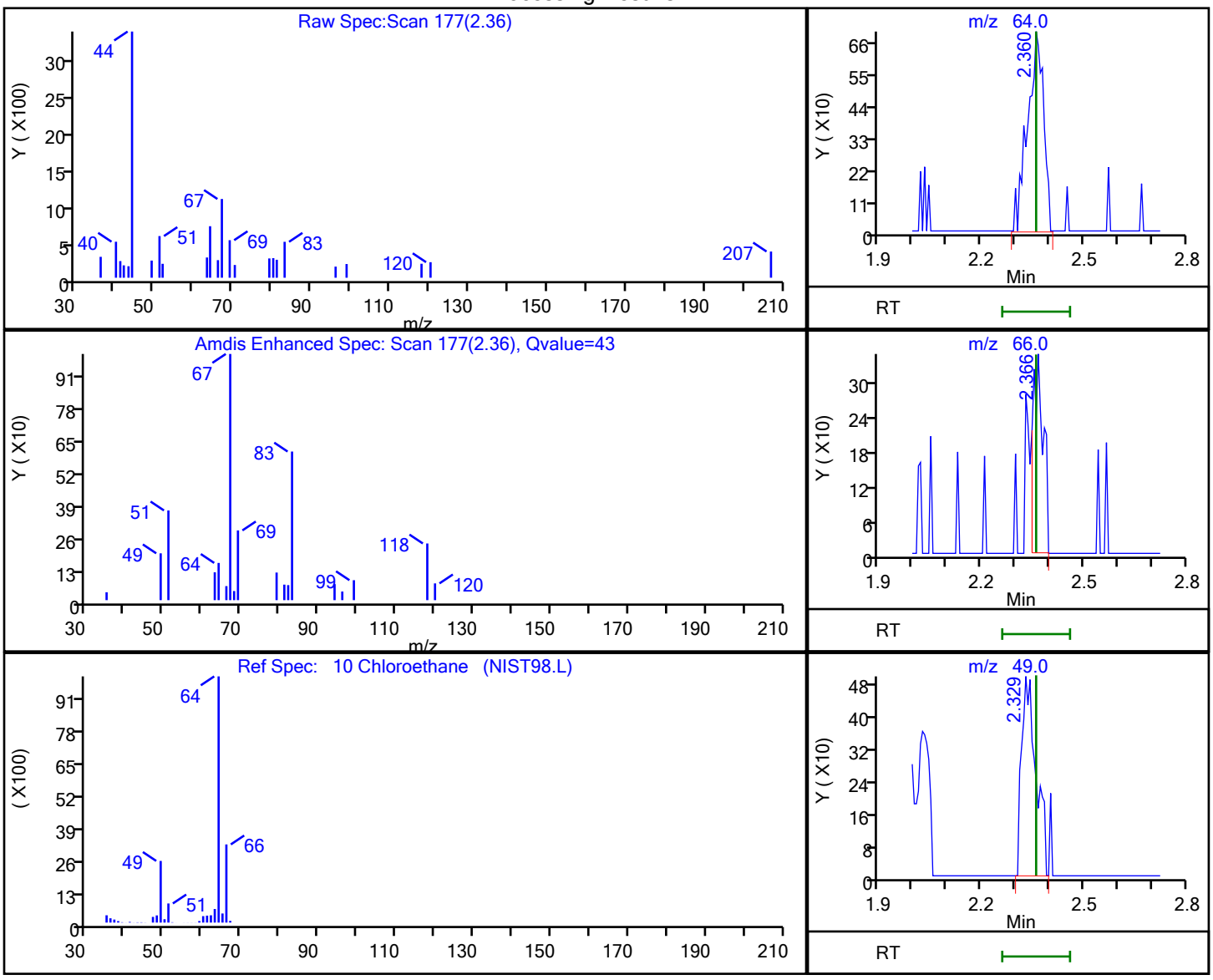
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X11.D				
Injection Date:	06-Aug-2025 14:23:30	Instrument ID:	10193		
Lims ID:	410-234898-B-2	Lab Sample ID:	410-234898-2		
Client ID:	16MW8				
Operator ID:	ecr105096	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.36	64.00	2297	0.071767
2.37	66.00	712	
2.33	49.00	1460	

Reviewer: FQ4L, 07-Aug-2025 09:02:01 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16MW9
Lab Sample ID: 410-234898-3

Matrix: Water
Lab File ID: CG06X26.D

Analysis Method: 8260D
Date Collected: 07/30/2025 13:15

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 19:57

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.00	0.300
71-55-6	1,1,1-Trichloroethane	ND		1.00	0.300
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.00	0.300
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.400
79-00-5	1,1,2-Trichloroethane	ND		1.00	0.300
75-34-3	1,1-Dichloroethane	4.91		1.00	0.300
75-35-4	1,1-Dichloroethene	ND		1.00	0.300
96-18-4	1,2,3-Trichloropropane	ND		1.00	0.300
120-82-1	1,2,4-Trichlorobenzene	ND		1.00	0.600
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.00	0.400
106-93-4	1,2-Dibromoethane	ND		1.00	0.300
95-50-1	1,2-Dichlorobenzene	ND		1.00	0.400
107-06-2	1,2-Dichloroethane	ND		1.00	0.300
78-87-5	1,2-Dichloropropane	ND		1.00	0.400
541-73-1	1,3-Dichlorobenzene	ND		1.00	0.400
142-28-9	1,3-Dichloropropane	ND		1.00	0.400
106-46-7	1,4-Dichlorobenzene	ND		1.00	0.400
123-91-1	1,4-Dioxane	ND		200	45.5
78-93-3	2-Butanone	ND	cn	10.0	1.70
591-78-6	2-Hexanone	ND	cn	10.0	2.00
108-10-1	4-Methyl-2-pentanone	ND	cn	10.0	2.00
67-64-1	Acetone	ND		10.0	2.00
75-05-8	Acetonitrile	ND		100	31.6
107-13-1	Acrylonitrile	ND		10.0	1.10
107-05-1	Allyl chloride	ND		10.0	1.00
71-43-2	Benzene	0.340	J	1.00	0.300
75-27-4	Bromodichloromethane	ND		1.00	0.300
75-25-2	Bromoform	ND		1.00	0.400
74-83-9	Bromomethane	ND		1.00	0.542
75-15-0	Carbon disulfide	ND		10.0	0.400
56-23-5	Carbon tetrachloride	ND		1.00	0.300

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16MW9
Lab Sample ID: 410-234898-3

Matrix: Water
Lab File ID: CG06X26.D

Analysis Method: 8260D
Date Collected: 07/30/2025 13:15

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 19:57

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	1.85		1.00	0.100
67-66-3	Chloroform	ND		1.00	0.300
74-87-3	Chloromethane	ND		1.00	0.100
126-99-8	Chloroprene	ND		10.0	0.460
124-48-1	Dibromochloromethane	ND		1.00	0.400
74-95-3	Dibromomethane	ND		1.00	0.300
75-71-8	Dichlorodifluoromethane	ND		1.00	0.400
97-63-2	Ethyl methacrylate	ND		10.0	0.810
100-41-4	Ethylbenzene	ND		1.00	0.300
87-68-3	Hexachlorobutadiene	ND		1.00	0.400
78-83-1	Isobutyl alcohol	ND		200	11.6
179601-23-1	m&p-Xylene	ND		2.00	0.400
126-98-7	Methacrylonitrile	ND	cn	100	9.75
74-88-4	Methyl iodide	ND		10.0	0.580
80-62-6	Methyl methacrylate	ND		10.0	3.58
75-09-2	Methylene Chloride	ND		1.00	0.700
91-20-3	Naphthalene	ND		1.00	0.400
95-47-6	o-Xylene	ND		1.00	0.400
76-01-7	Pentachloroethane	ND		10.0	1.70
107-12-0	Propionitrile	ND	cn	100	10.2
100-42-5	Styrene	ND		1.00	0.300
127-18-4	Tetrachloroethene	ND		1.00	0.300
109-99-9	Tetrahydrofuran	ND	cn	25.0	2.00
108-88-3	Toluene	ND		1.00	0.300
156-60-5	trans-1,2-Dichloroethene	ND		1.00	0.300
10061-02-6	trans-1,3-Dichloropropene	ND		1.00	0.400
79-01-6	Trichloroethene	ND		1.00	0.300
75-69-4	Trichlorofluoromethane	ND		1.00	0.400
108-05-4	Vinyl acetate	ND		10.0	3.29
75-01-4	Vinyl chloride	ND		1.00	0.200
1330-20-7	Xylenes, Total	ND		3.00	0.400
115-10-6	Dimethyl ether	1.16		0.500	0.300

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16MW9 Lab Sample ID: 410-234898-3

Matrix: Water Lab File ID: CG06X26.D

Analysis Method: 8260D Date Collected: 07/30/2025 13:15

Sample wt/vol: 25(mL) Date Analyzed: 08/06/2025 19:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 681517 Units: ug/L

Preparation Batch No.: Instrument ID: 10193

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	110		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		80-120
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X26.D
Lims ID: 410-234898-D-3
Client ID: 16MW9
Sample Type: Client
Inject. Date: 06-Aug-2025 19:57:30 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-027
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 09:09:56 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:09:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.750				ND	
4 Dimethyl ether	45	1.787	1.805	-0.018	85	86156	1.16	
5 Chloromethane	50	1.933	1.927	0.006	98	4944	0.0778	
6 Vinyl chloride	62		2.031				ND	U
9 Bromomethane	94		2.329				ND	7
10 Chloroethane	64	2.360	2.360	0.000	98	58816	1.85	
12 Trichlorofluoromethane	101		2.658				ND	
14 Ethyl ether	59	2.805	2.805	0.000	95	2296989	67.8	E
18 1,1-Dichloroethene	96	3.085	3.073	0.012	98	6122	0.1747	
20 Acetone	43		3.097				ND	U
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.128				ND	
22 Iodomethane	142		3.238				ND	
25 Carbon disulfide	76		3.329				ND	7
27 Acetonitrile	41		3.451				ND	
29 3-Chloro-1-propene	41		3.475				ND	
30 Methylene Chloride	84	3.646	3.640	0.006	41	2978	0.0704	
* 31 t-Butyl alcohol-d10 (IS)	65	3.664	3.640	0.024	95	114862	50.0	
33 Acrylonitrile	53		3.939				ND	
35 trans-1,2-Dichloroethene	96	3.994	3.987	0.007	91	1463	0.0339	a
37 1,1-Dichloroethane	63	4.628	4.634	-0.006	97	386339	4.91	
38 Vinyl acetate	43		4.640				ND	7
40 2-Chloro-1,3-butadiene	53		4.743				ND	
42 2-Butanone (MEK)	43		5.463				ND	7
45 Propionitrile	54		5.554				ND	
47 Methacrylonitrile	67		5.780				ND	
49 Tetrahydrofuran	71		5.835				ND	
50 Chloroform	83		5.993				ND	
53 1,1,1-Trichloroethane	97		6.213				ND	
$ 54 Dibromofluoromethane (Surr)	113	6.213	6.213	0.000	93	426406	11.0	
56 Carbon tetrachloride	117		6.426				ND	
58 Isobutyl alcohol	41		6.639				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.676	6.676	0.000	99	87073	10.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
60 Benzene	78	6.700	6.700	0.000	95	63661	0.3401	
61 1,2-Dichloroethane	62		6.780				ND	U
* 65 Fluorobenzene (IS)	96	7.127	7.127	0.000	99	1646041	10.0	
68 Trichloroethene	95	7.633	7.615	0.018	92	1834	0.0370	Ma
70 1,2-Dichloropropane	63		7.956				ND	
74 1,4-Dioxane	88		8.066				ND	
72 Dibromomethane	93		8.072				ND	
73 Methyl methacrylate	69		8.072				ND	
76 Dichlorobromomethane	83		8.316				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.102				ND	7
$ 83 Toluene-d8 (Surr)	98	9.230	9.230	0.000	94	1680572	9.36	
84 Toluene	92		9.316				ND	7
85 trans-1,3-Dichloropropene	75		9.614				ND	
86 Ethyl methacrylate	69		9.700				ND	
87 1,1,2-Trichloroethane	97		9.834				ND	
88 Tetrachloroethene	166	9.919	9.913	0.006	89	3395	0.0551	M
89 1,3-Dichloropropane	76		10.005				ND	
106 2-Hexanone	43		10.078				ND	7
108 Chlorodibromomethane	129		10.230				ND	
110 Ethylene Dibromide	107		10.340				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1366392	10.0	
114 1,1,1,2-Tetrachloroethane	131		10.925				ND	
115 Ethylbenzene	91		10.925				ND	
116 m-Xylene & p-Xylene	106		11.053				ND	
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.395				ND	
119 Styrene	104		11.413				ND	
120 Bromoform	173		11.565				ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	94	622274	9.18	
126 1,1,2,2-Tetrachloroethane	83		11.968				ND	
128 1,2,3-Trichloropropane	110		12.010				ND	
134 Pentachloroethane	167		12.468				ND	
137 1,3-Dichlorobenzene	146		12.705				ND	7
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	97	728870	10.0	
140 1,4-Dichlorobenzene	146		12.778				ND	7
144 1,2-Dichlorobenzene	146		13.047				ND	
148 1,2-Dibromo-3-Chloropropane	155		13.601				ND	
150 1,2,4-Trichlorobenzene	180		14.162				ND	
151 Hexachlorobutadiene	225		14.248				ND	
152 Naphthalene	128		14.345				ND	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected
a - User Assigned ID

Reagents:

MSV_HP25_ISSS_00117 Amount Added: 1.00 Units: uL Run Reagent

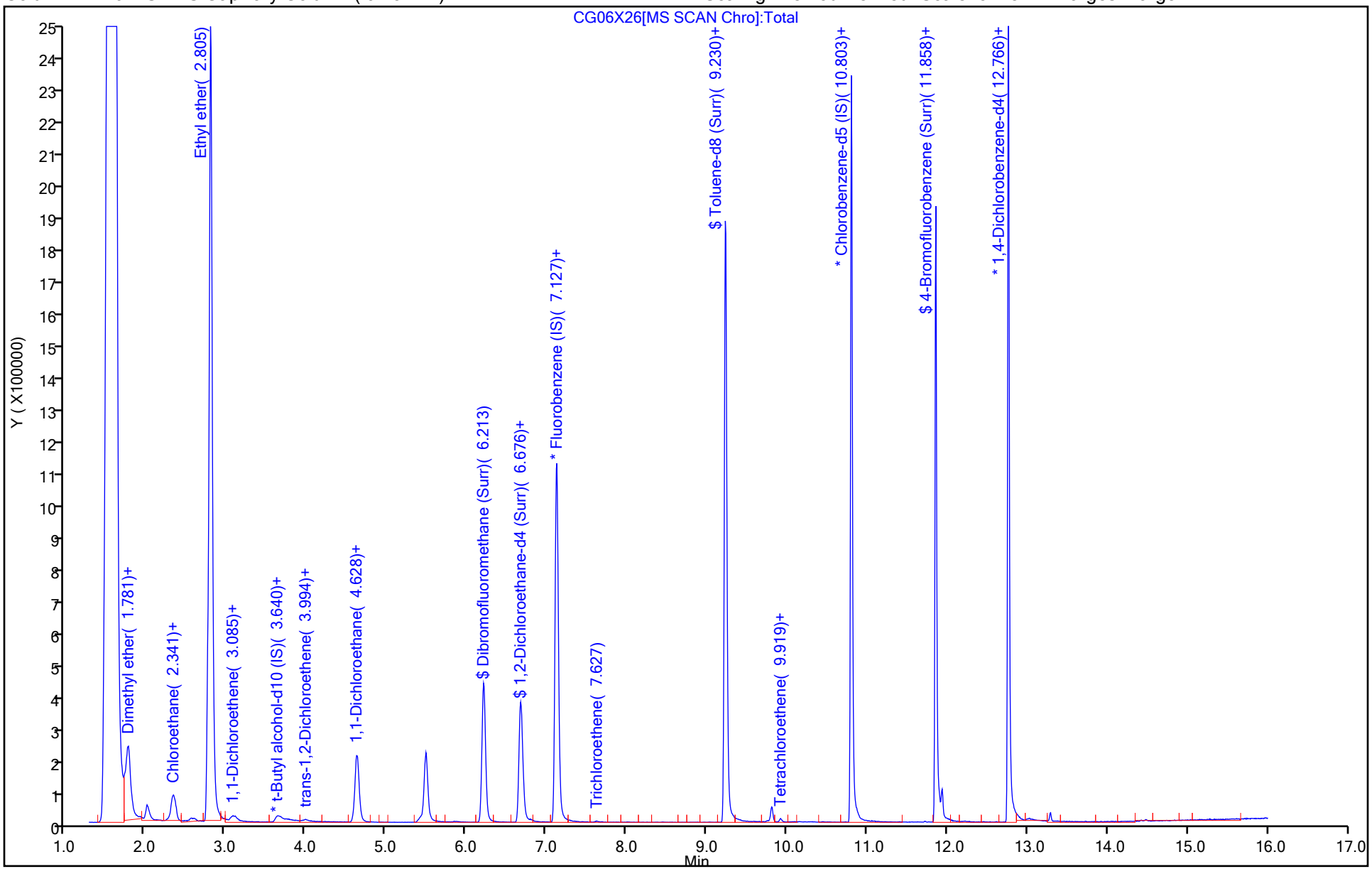
Report Date: 07-Aug-2025 09:09:56 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X26.D

Injection Date:	06-Aug-2025 19:57:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	410-234898-D-3	Lab Sample ID:	410-234898-3	Worklist Smp#:	27
Client ID:	16MW9				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X26.D				
Lims ID:	410-234898-D-3				
Client ID:	16MW9				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 19:57:30	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-027				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Aug-2025 09:09:56	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:09:56

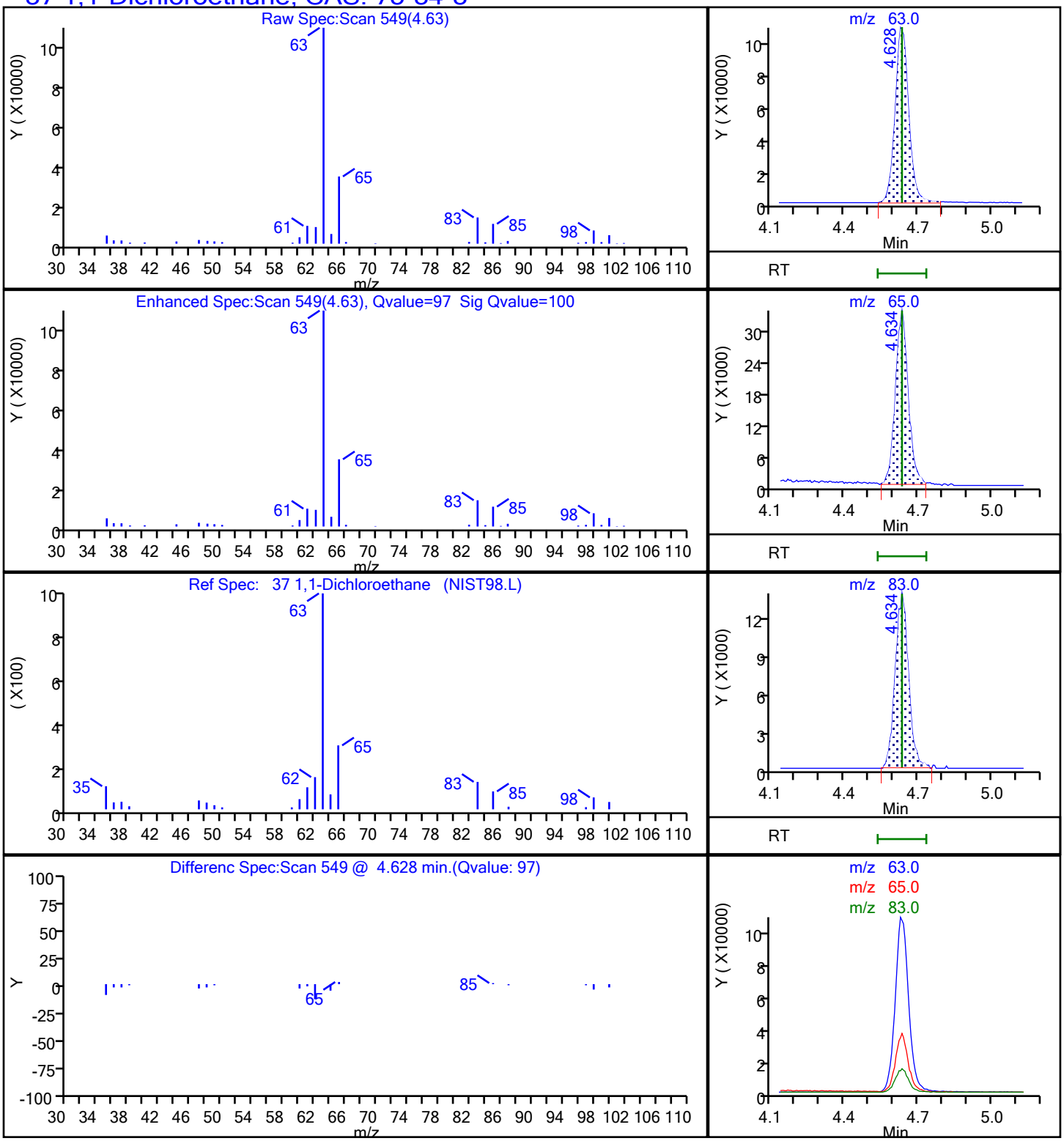
Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.0	109.78
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.9	108.63
$ 83 Toluene-d8 (Surr)	10.0	9.36	93.64
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.18	91.82

Report Date: 07-Aug-2025 09:09:57 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X26.D				
Injection Date:	06-Aug-2025 19:57:30	Instrument ID:	10193		
Lims ID:	410-234898-D-3	Lab Sample ID:	410-234898-3		
Client ID:	16MW9				
Operator ID:	ecr105096	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

37 1,1-Dichloroethane, CAS: 75-34-3

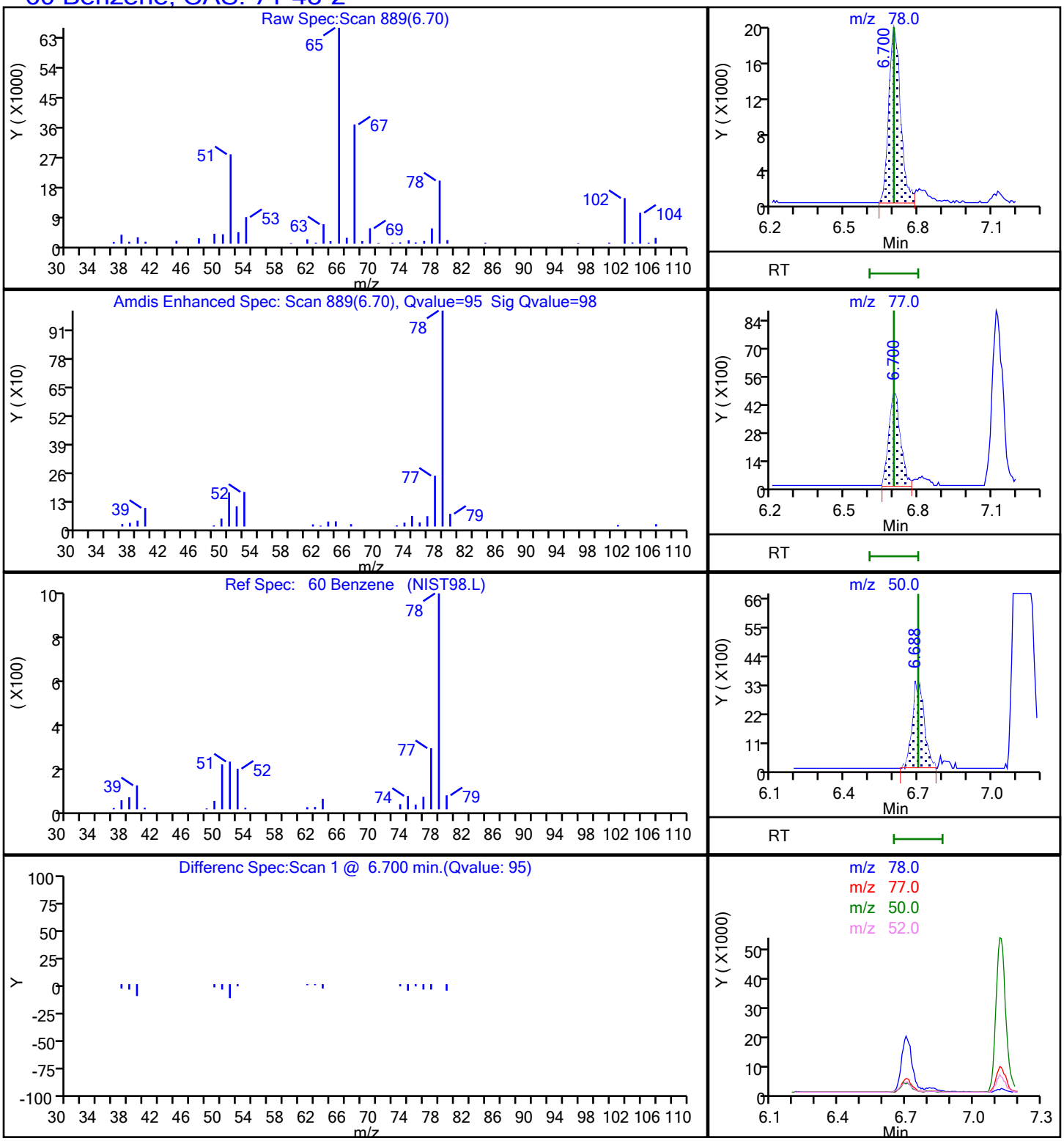


Report Date: 07-Aug-2025 09:09:57 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X26.D				
Injection Date:	06-Aug-2025 19:57:30	Instrument ID:	10193		
Lims ID:	410-234898-D-3	Lab Sample ID:	410-234898-3		
Client ID:	16MW9				
Operator ID:	ecr105096	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

60 Benzene, CAS: 71-43-2



Report Date: 07-Aug-2025 09:09:57 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X26.D

Injection Date: 06-Aug-2025 19:57:30 Instrument ID: 10193

Lims ID: 410-234898-D-3 Lab Sample ID: 410-234898-3

Client ID: 16MW9

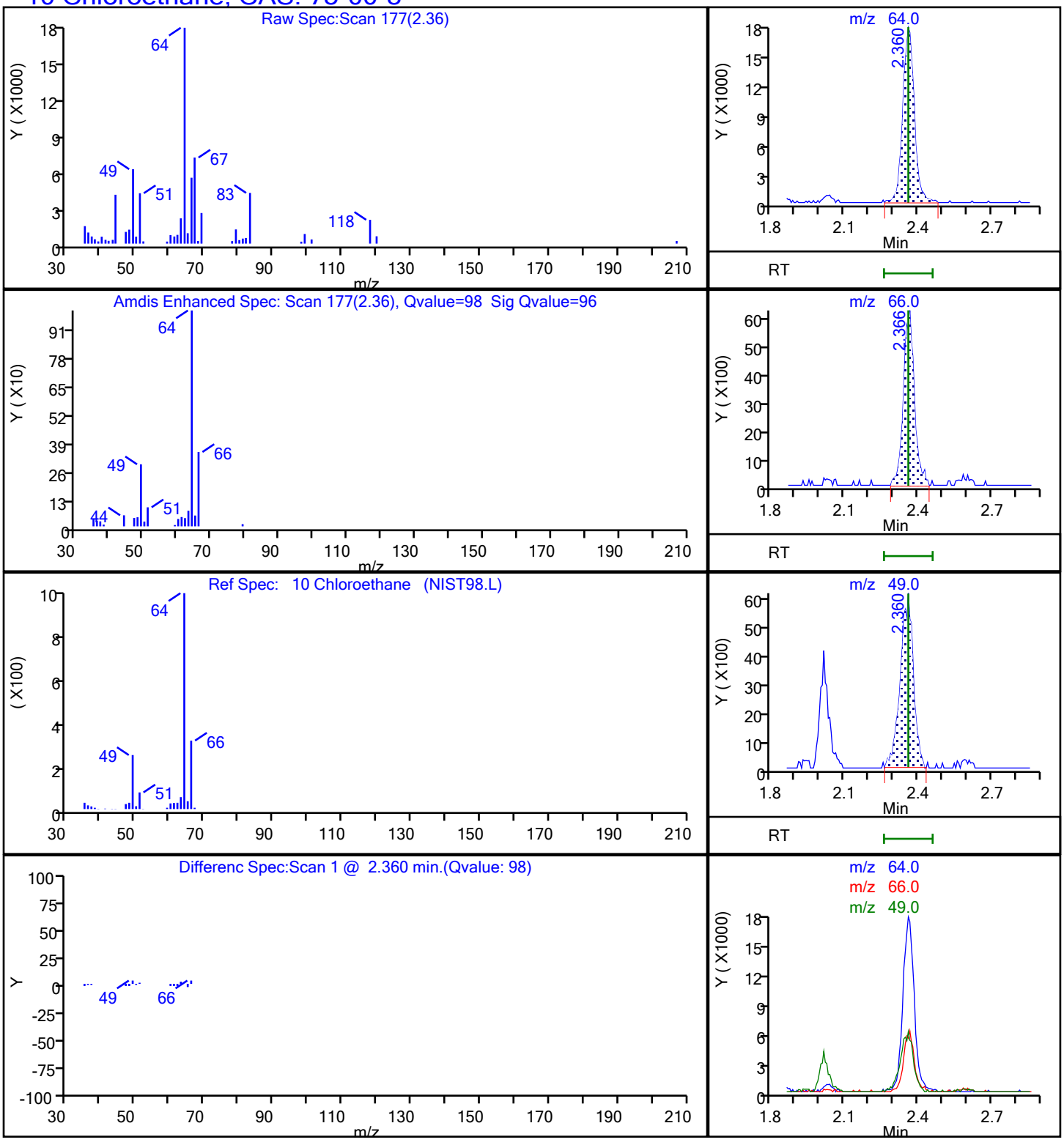
Operator ID: ecr105096 ALS Bottle#: 26 Worklist Smp#: 27

Purge Vol: 25.000 mL Dil. Factor: 1.0000

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

10 Chloroethane, CAS: 75-00-3

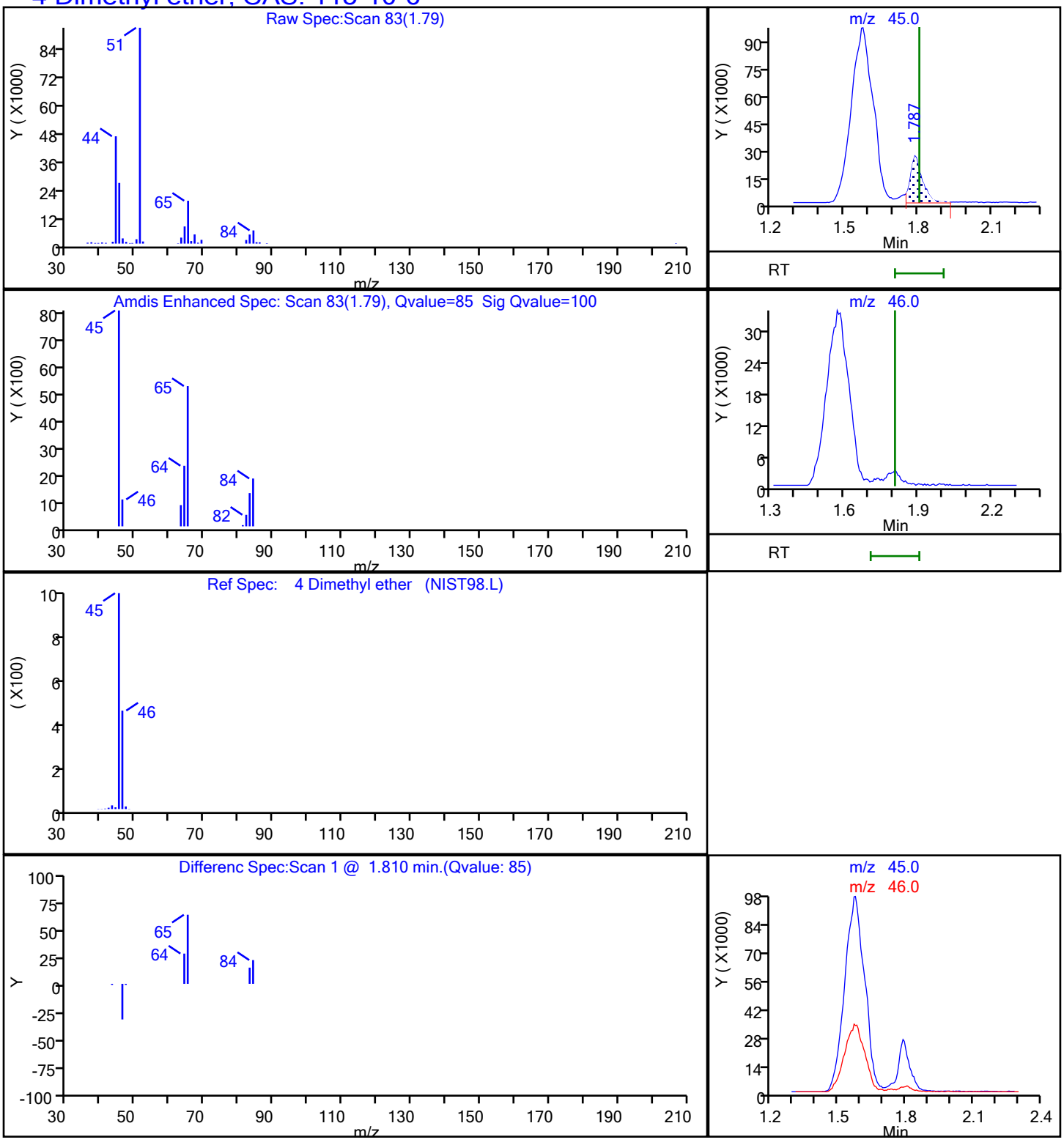


Report Date: 07-Aug-2025 09:09:56 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X26.D				
Injection Date:	06-Aug-2025 19:57:30	Instrument ID:	10193		
Lims ID:	410-234898-D-3	Lab Sample ID:	410-234898-3		
Client ID:	16MW9				
Operator ID:	ecr105096	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

4 Dimethyl ether, CAS: 115-10-6



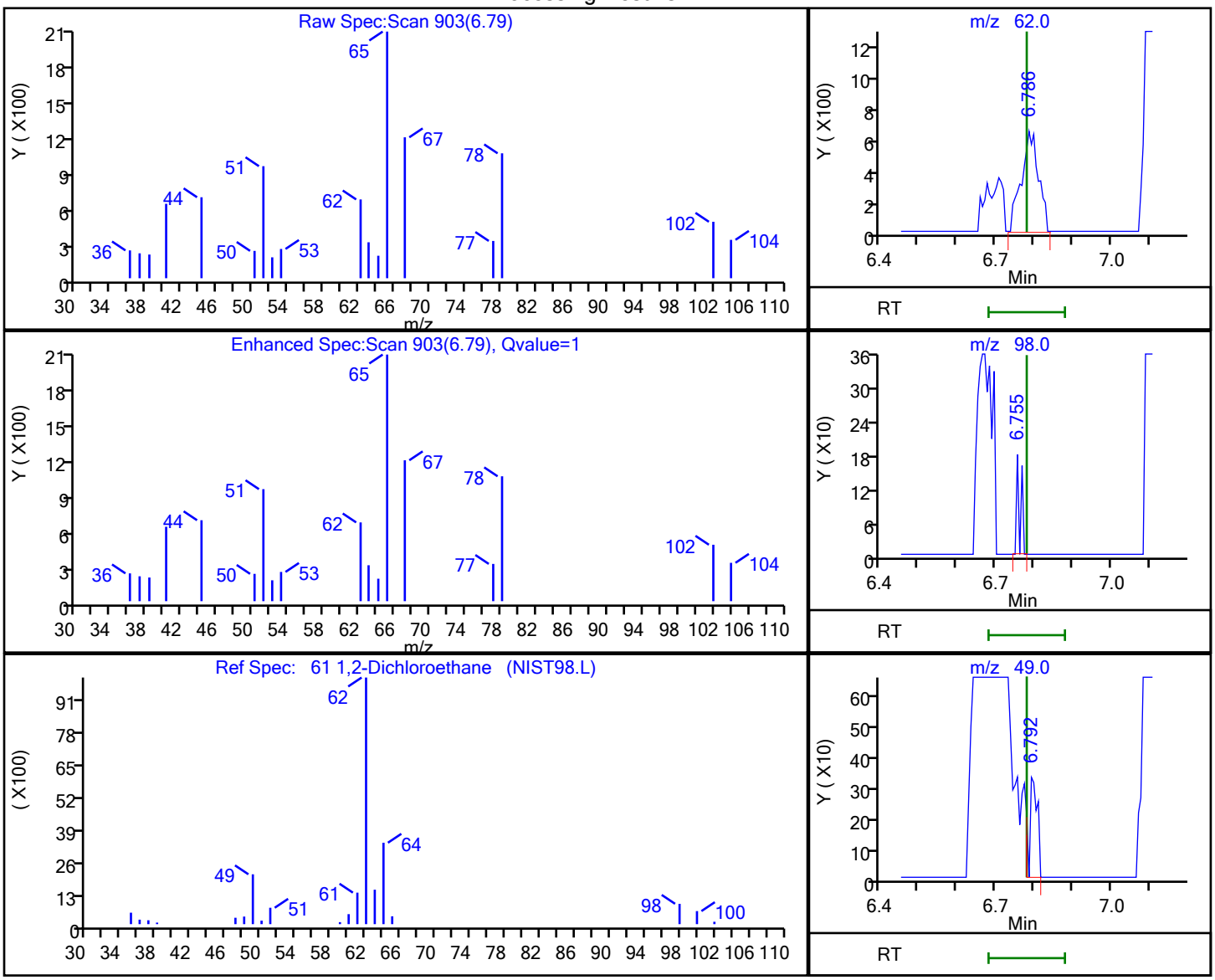
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X26.D				
Injection Date:	06-Aug-2025 19:57:30	Instrument ID:	10193		
Lims ID:	410-234898-D-3	Lab Sample ID:	410-234898-3		
Client ID:	16MW9				
Operator ID:	ecr105096	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

61 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
6.79	62.00	2027	0.039590
6.76	98.00	124	
6.79	49.00	477	

Reviewer: FQ4L, 07-Aug-2025 09:05:46 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

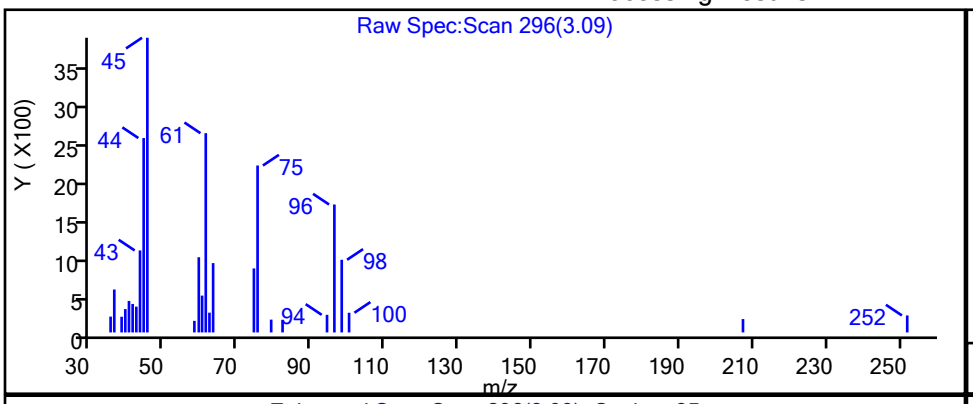
User Disabled Compound Report

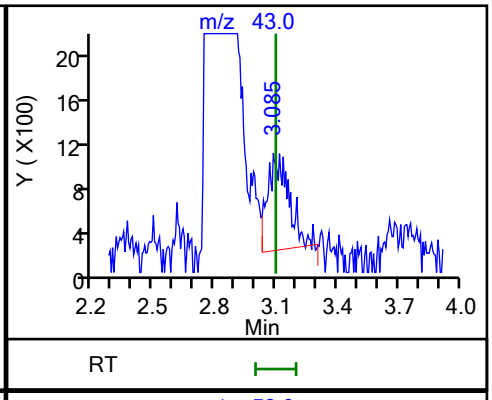
Eurofins Lancaster Laboratories Environment Testing, LLC

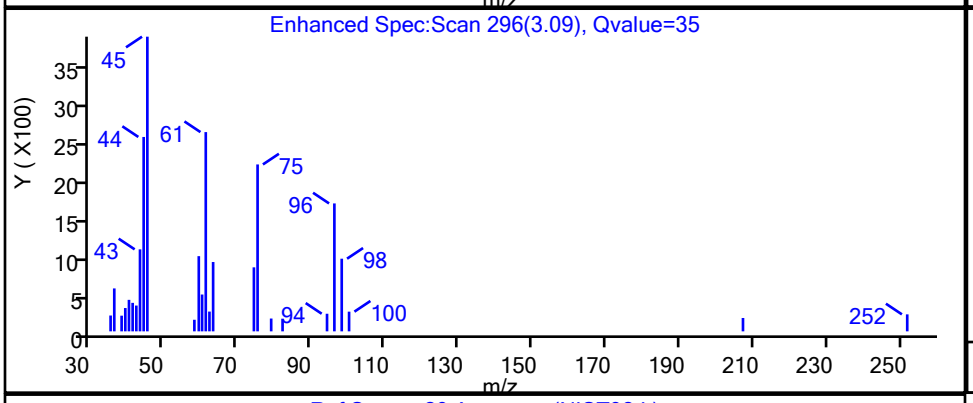
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X26.D				
Injection Date:	06-Aug-2025 19:57:30	Instrument ID:	10193		
Lims ID:	410-234898-D-3	Lab Sample ID:	410-234898-3		
Client ID:	16MW9				
Operator ID:	ecr105096	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

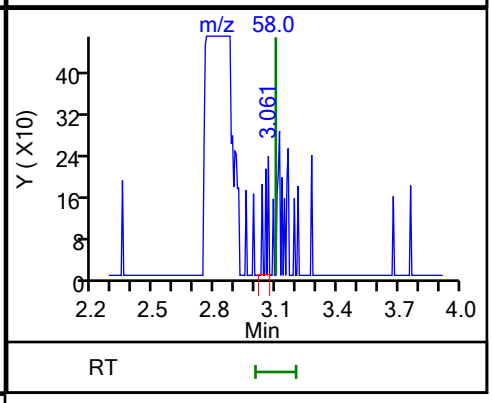
20 Acetone, CAS: 67-64-1

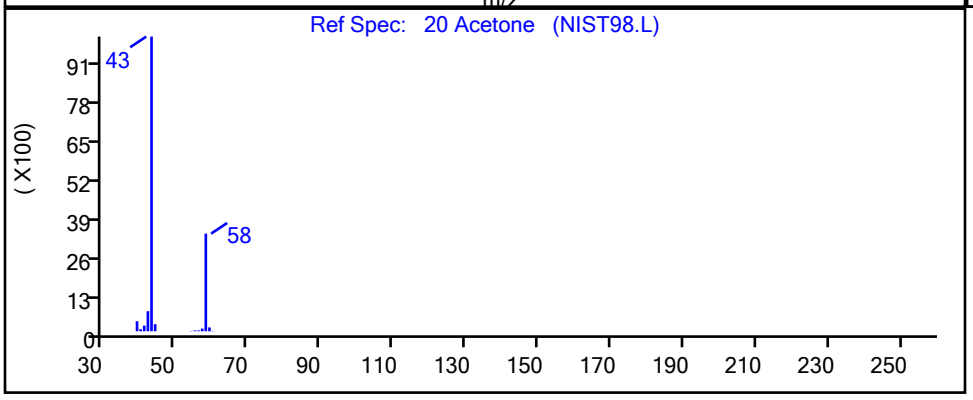
Processing Results











RT	Mass	Response	Amount
3.09	43.00	6113	1.125057
3.06	58.00	228	

Reviewer: FQ4L, 07-Aug-2025 09:05:07 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

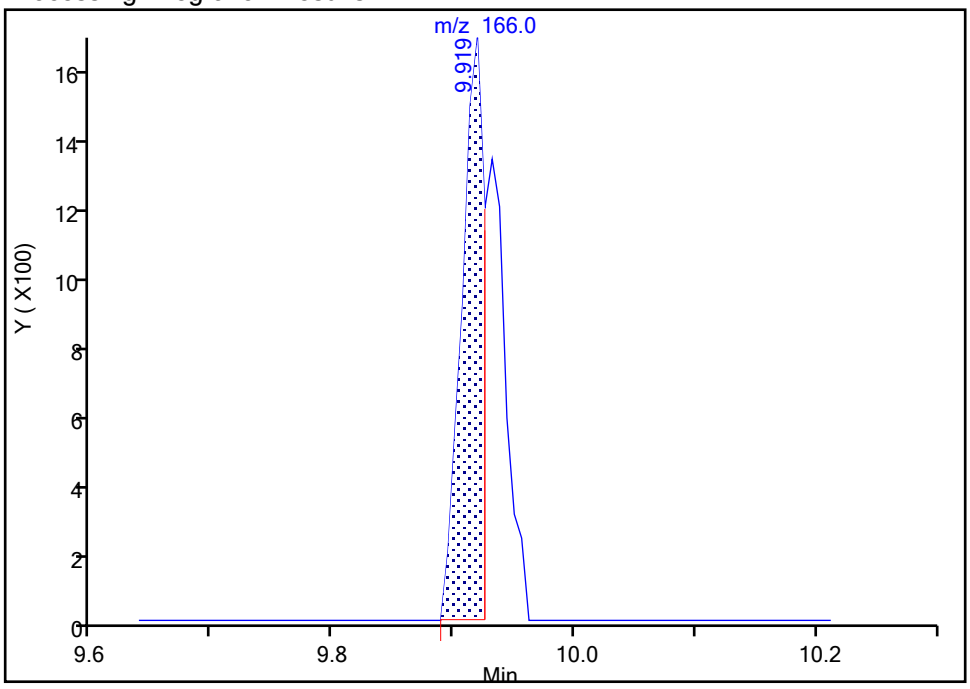
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X26.D				
Injection Date:	06-Aug-2025 19:57:30	Instrument ID:	10193		
Lims ID:	410-234898-D-3	Lab Sample ID:	410-234898-3		
Client ID:	16MW9				
Operator ID:	ecr105096	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

88 Tetrachloroethene, CAS: 127-18-4

Signal: 1

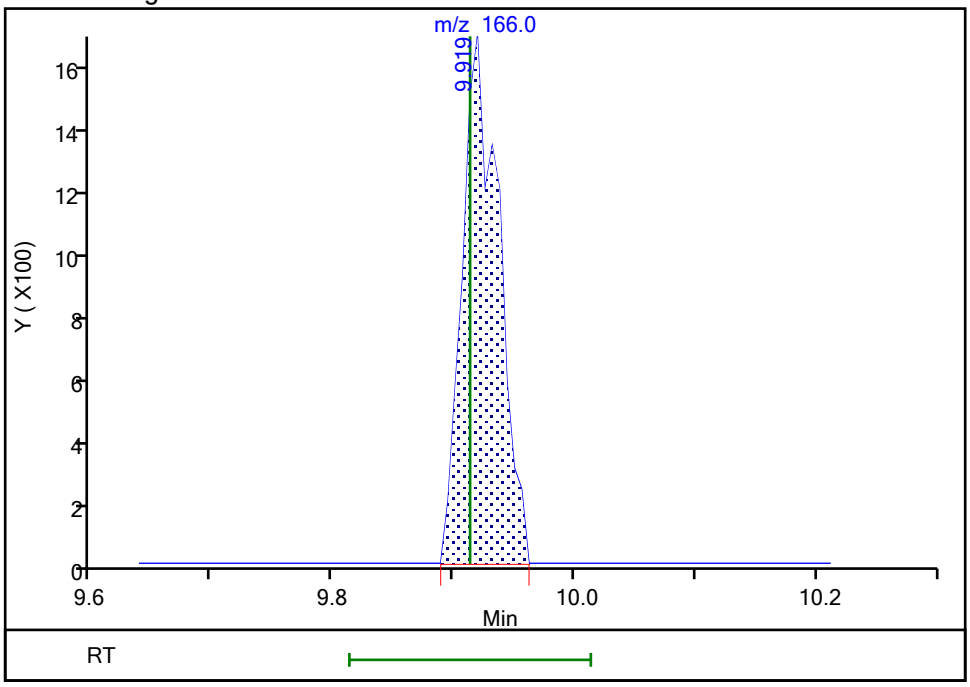
Processing Integration Results

RT: 9.92
Area: 2116
Amount: 0.034356
Amount Units: ug/l



Manual Integration Results

RT: 9.92
Area: 3395
Amount: 0.055122
Amount Units: ug/l



Reviewer: FQ4L, 07-Aug-2025 09:06:22 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

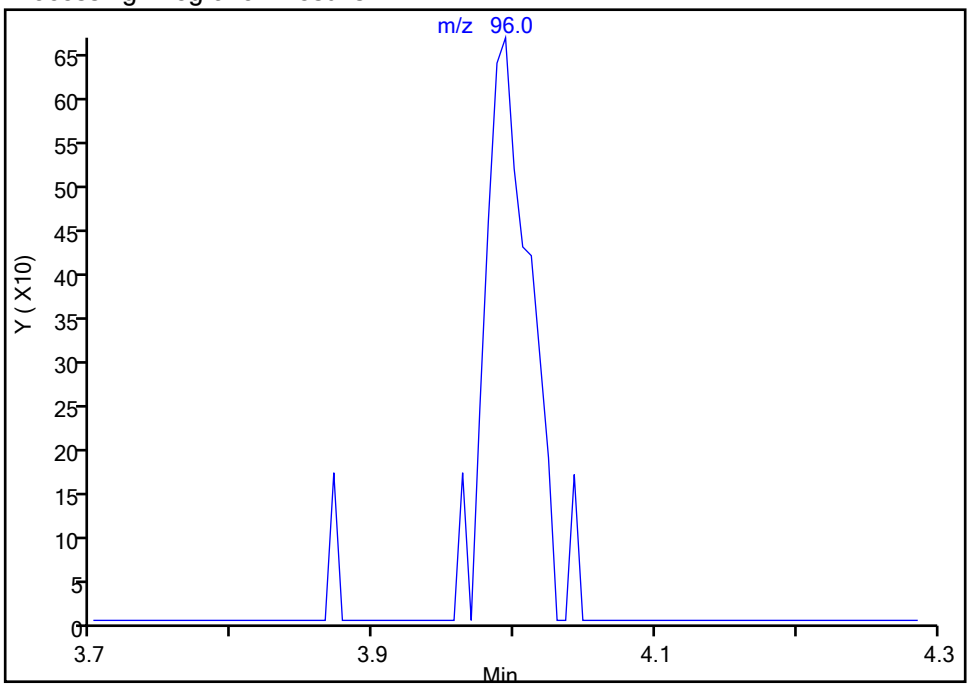
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X26.D				
Injection Date:	06-Aug-2025 19:57:30	Instrument ID:	10193		
Lims ID:	410-234898-D-3	Lab Sample ID:	410-234898-3		
Client ID:	16MW9				
Operator ID:	ecr105096	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

35 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

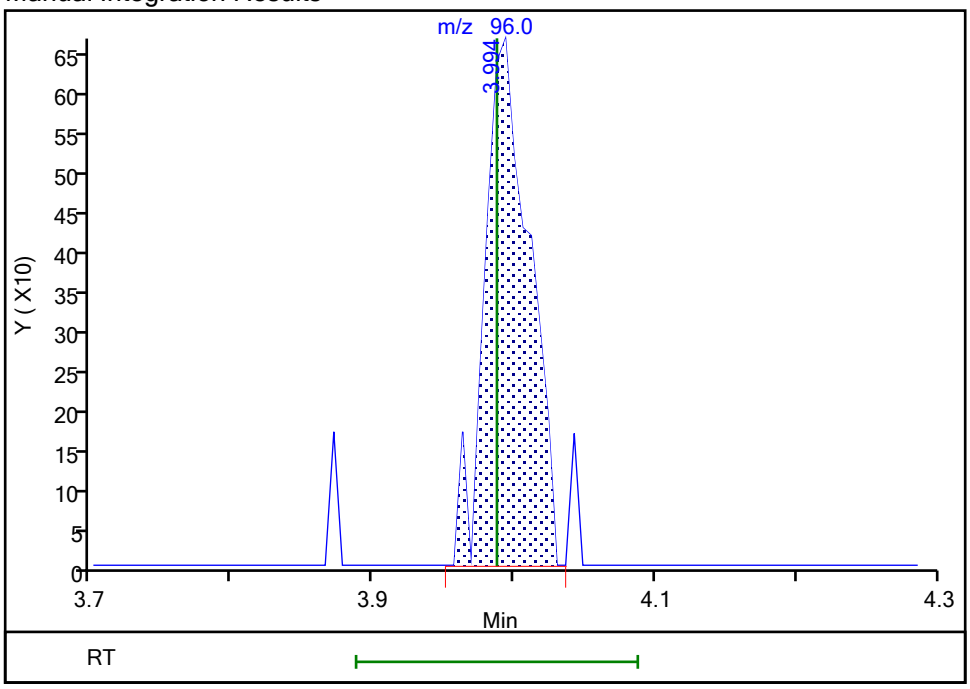
Not Detected
Expected RT: 3.99

Processing Integration Results



Manual Integration Results

RT: 3.99
Area: 1463
Amount: 0.033859
Amount Units: ug/l



Reviewer: FQ4L, 07-Aug-2025 09:05:22 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

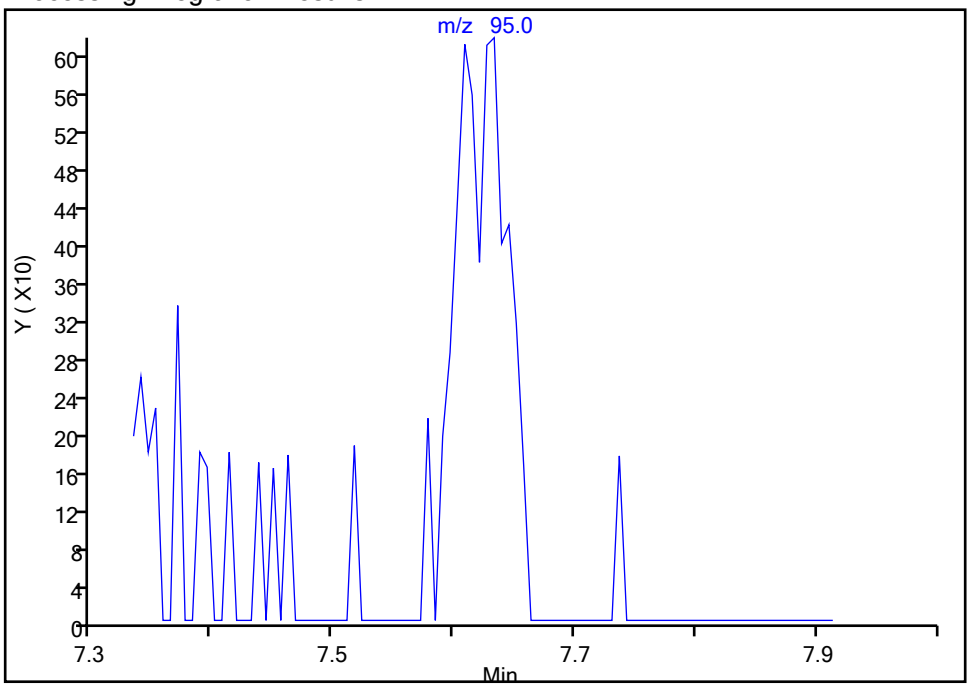
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X26.D				
Injection Date:	06-Aug-2025 19:57:30	Instrument ID:	10193		
Lims ID:	410-234898-D-3	Lab Sample ID:	410-234898-3		
Client ID:	16MW9				
Operator ID:	ecr105096	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6

Signal: 1

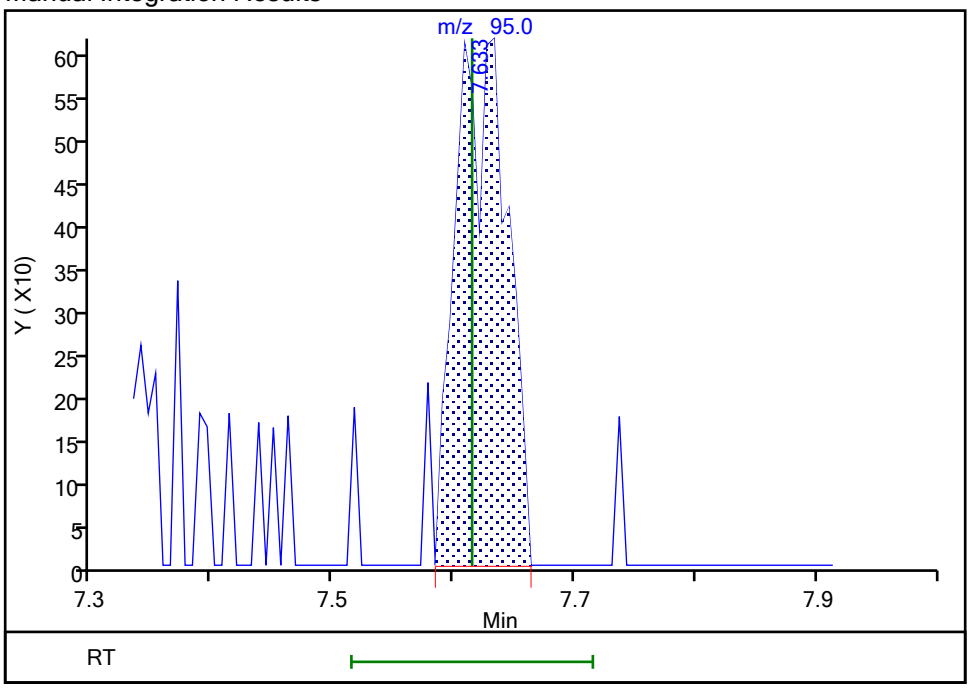
Not Detected
Expected RT: 7.61

Processing Integration Results



Manual Integration Results

RT: 7.63
Area: 1834
Amount: 0.037018
Amount Units: ug/l



Reviewer: FQ4L, 07-Aug-2025 09:06:00 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

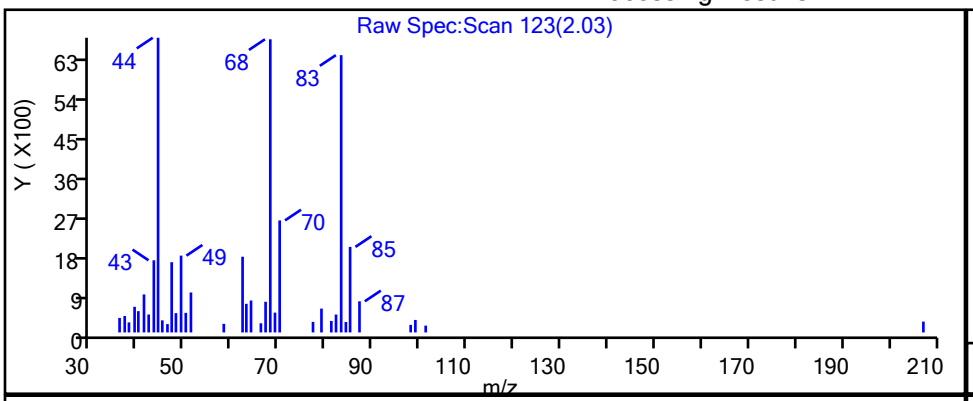
User Disabled Compound Report

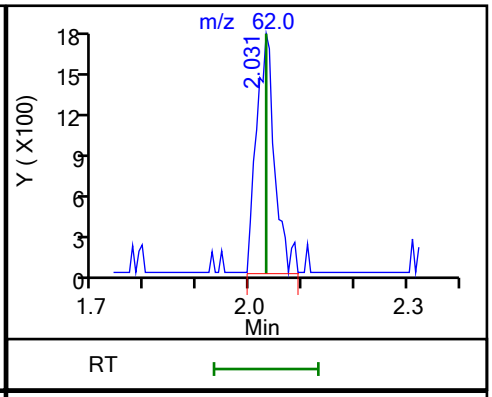
Eurofins Lancaster Laboratories Environment Testing, LLC

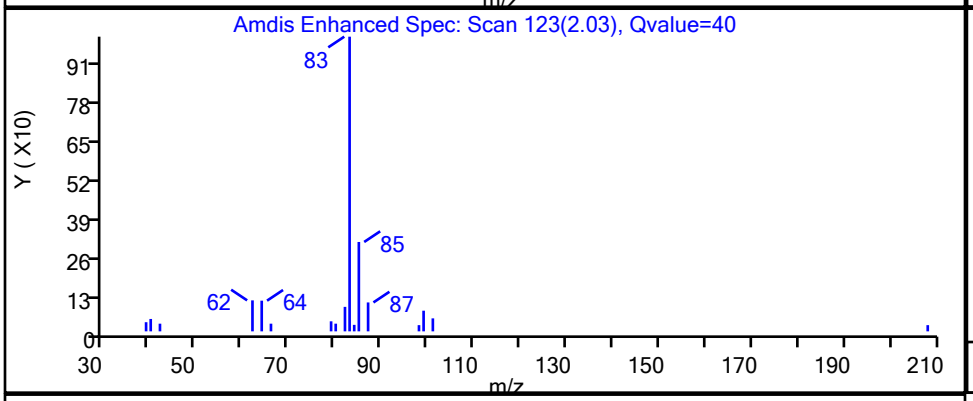
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X26.D				
Injection Date:	06-Aug-2025 19:57:30	Instrument ID:	10193		
Lims ID:	410-234898-D-3	Lab Sample ID:	410-234898-3		
Client ID:	16MW9				
Operator ID:	ecr105096	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

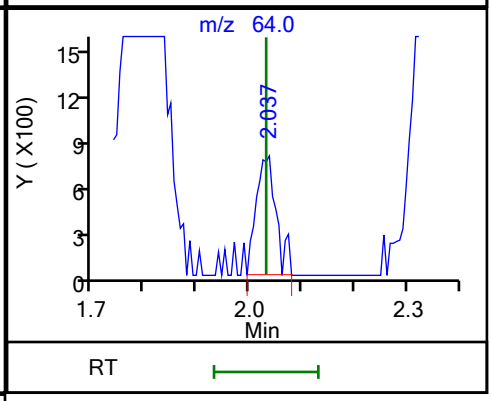
6 Vinyl chloride, CAS: 75-01-4

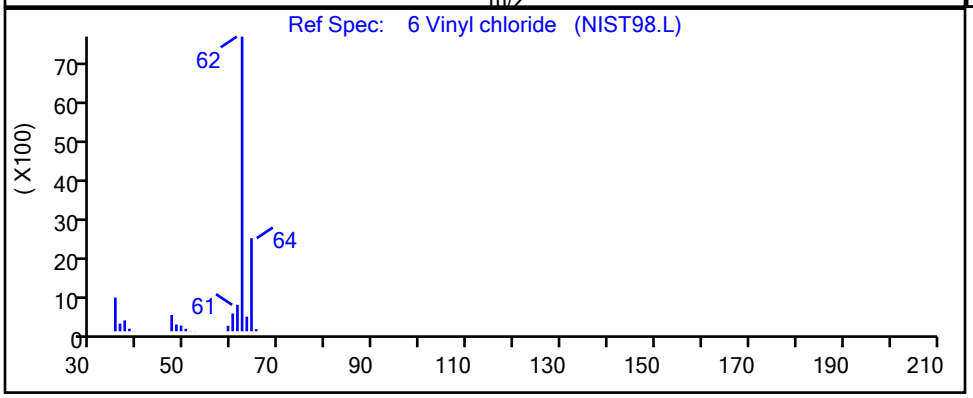
Processing Results











RT	Mass	Response	Amount
2.03	62.00	4174	0.074295
2.04	64.00	2070	

Reviewer: FQ4L, 07-Aug-2025 09:04:59 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16MW9 DL
Lab Sample ID: 410-234898-3 DL

Matrix: Water
Lab File ID: CG06X27.D

Analysis Method: 8260D
Date Collected: 07/30/2025 13:15

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 20:19

Soil Aliquot Vol:
Dilution Factor: 10

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
60-29-7	Diethyl ether	60.4	J	100	11.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	112		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		80-120
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X27.D
Lims ID: 410-234898-E-3 DL
Client ID: 16MW9
Sample Type: Client
Inject. Date: 06-Aug-2025 20:19:30 ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0155688-028
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 09:23:17 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:04:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.750				ND	
4 Dimethyl ether	45	1.793	1.805	-0.012	85	10141	0.1398	
5 Chloromethane	50		1.927				ND	
6 Vinyl chloride	62		2.031				ND	7
9 Bromomethane	94		2.329				ND	7
10 Chloroethane	64	2.366	2.360	0.006	84	4875	0.1563	
12 Trichlorofluoromethane	101		2.658				ND	
14 Ethyl ether	59	2.817	2.805	0.012	94	200202	6.04	
18 1,1-Dichloroethene	96		3.073				ND	7
20 Acetone	43	3.110	3.097	0.013	51	9830	1.74	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.128				ND	
22 Iodomethane	142		3.238				ND	
25 Carbon disulfide	76		3.329				ND	
27 Acetonitrile	41		3.451				ND	
29 3-Chloro-1-propene	41		3.475				ND	
30 Methylene Chloride	84		3.640				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.689	3.640	0.049	96	119484	50.0	
33 Acrylonitrile	53		3.939				ND	
35 trans-1,2-Dichloroethene	96		3.987				ND	
37 1,1-Dichloroethane	63	4.640	4.634	0.006	96	34738	0.4508	
38 Vinyl acetate	43		4.640				ND	
40 2-Chloro-1,3-butadiene	53		4.743				ND	
42 2-Butanone (MEK)	43		5.463				ND	U
45 Propionitrile	54		5.554				ND	
47 Methacrylonitrile	67		5.780				ND	
49 Tetrahydrofuran	71		5.835				ND	
50 Chloroform	83		5.993				ND	
53 1,1,1-Trichloroethane	97		6.213				ND	
$ 54 Dibromofluoromethane (Surr)	113	6.219	6.213	0.006	93	427581	11.2	
56 Carbon tetrachloride	117		6.426				ND	
58 Isobutyl alcohol	41		6.639				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.682	6.676	0.006	99	86309	11.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
60 Benzene	78	6.700	6.700	0.000	43	6115	0.0334	
61 1,2-Dichloroethane	62		6.780				ND	
* 65 Fluorobenzene (IS)	96	7.127	7.127	0.000	99	1611857	10.0	
68 Trichloroethene	95		7.615				ND	
70 1,2-Dichloropropane	63		7.956				ND	
74 1,4-Dioxane	88		8.066				ND	
72 Dibromomethane	93		8.072				ND	
73 Methyl methacrylate	69		8.072				ND	
76 Dichlorobromomethane	83		8.316				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.102				ND	7
$ 83 Toluene-d8 (Surr)	98	9.236	9.230	0.006	94	1647149	9.27	
84 Toluene	92		9.316				ND	
85 trans-1,3-Dichloropropene	75		9.614				ND	
86 Ethyl methacrylate	69		9.700				ND	
87 1,1,2-Trichloroethane	97		9.834				ND	
88 Tetrachloroethene	166		9.913				ND	7
89 1,3-Dichloropropane	76		10.005				ND	
106 2-Hexanone	43		10.078				ND	
108 Chlorodibromomethane	129		10.230				ND	
110 Ethylene Dibromide	107		10.340				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1352251	10.0	
114 1,1,1,2-Tetrachloroethane	131		10.925				ND	
115 Ethylbenzene	91		10.925				ND	
116 m-Xylene & p-Xylene	106		11.053				ND	
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.395				ND	
119 Styrene	104		11.413				ND	
120 Bromoform	173		11.565				ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	93	613977	9.15	
126 1,1,2,2-Tetrachloroethane	83		11.968				ND	
128 1,2,3-Trichloropropane	110		12.010				ND	
134 Pentachloroethane	167		12.468				ND	
137 1,3-Dichlorobenzene	146		12.705				ND	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	728782	10.0	
140 1,4-Dichlorobenzene	146		12.778				ND	
144 1,2-Dichlorobenzene	146		13.047				ND	
148 1,2-Dibromo-3-Chloropropane	155		13.601				ND	
150 1,2,4-Trichlorobenzene	180		14.162				ND	
151 Hexachlorobutadiene	225		14.248				ND	
152 Naphthalene	128		14.345				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

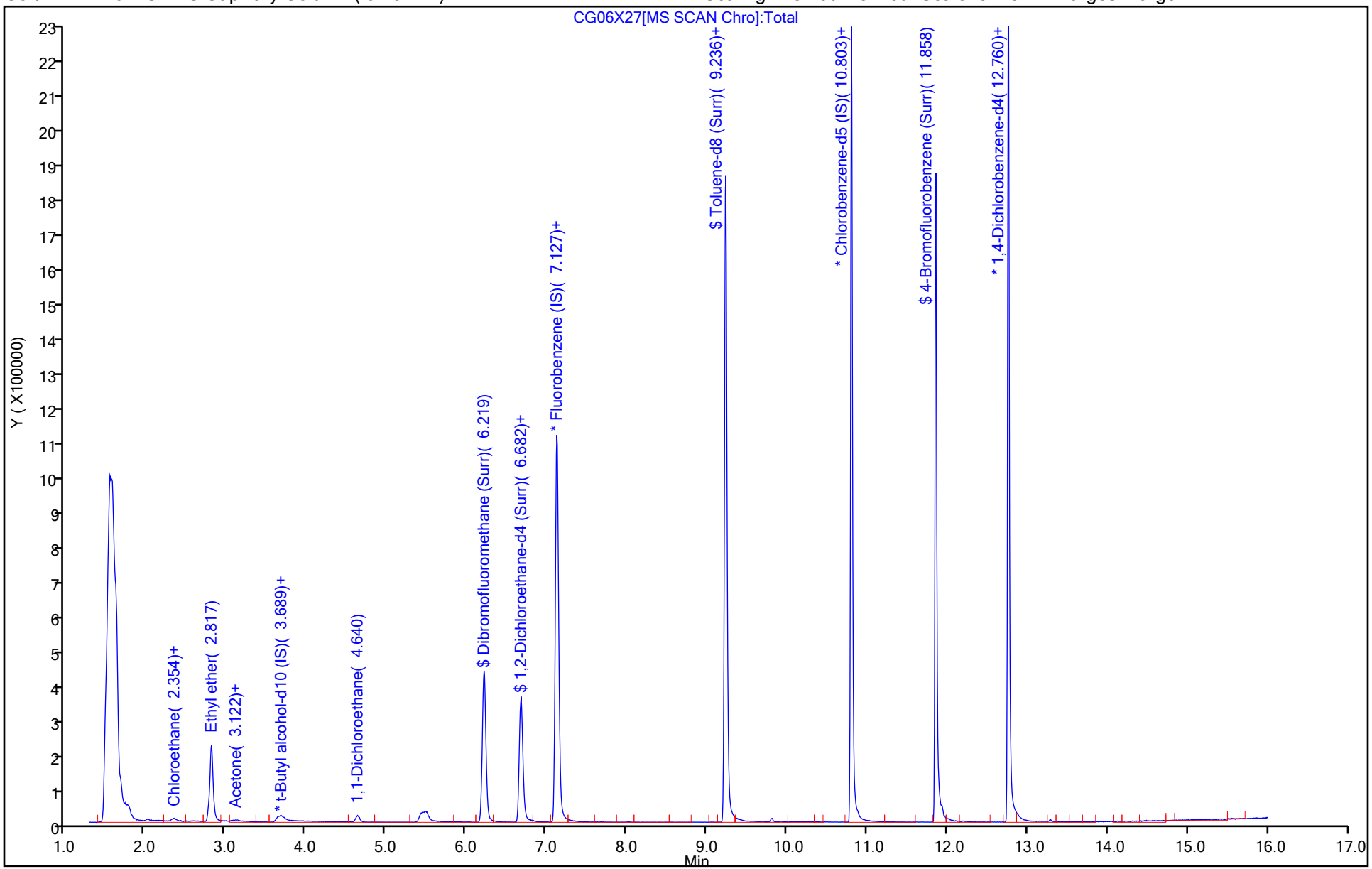
MSV_HP25_ISSS_00117 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 07-Aug-2025 11:09:43 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X27.D				
Injection Date:	06-Aug-2025 20:19:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	410-234898-E-3 DL	Lab Sample ID:	410-234898-3	Worklist Smp#:	28
Client ID:	16MW9				
Purge Vol:	25.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	27
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X27.D
Lims ID: 410-234898-E-3 DL
Client ID: 16MW9
Sample Type: Client
Inject. Date: 06-Aug-2025 20:19:30 ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 25.000 mL Dil. Factor: 10.0000
Sample Info: 410-0155688-028
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 09:23:17 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:04:19

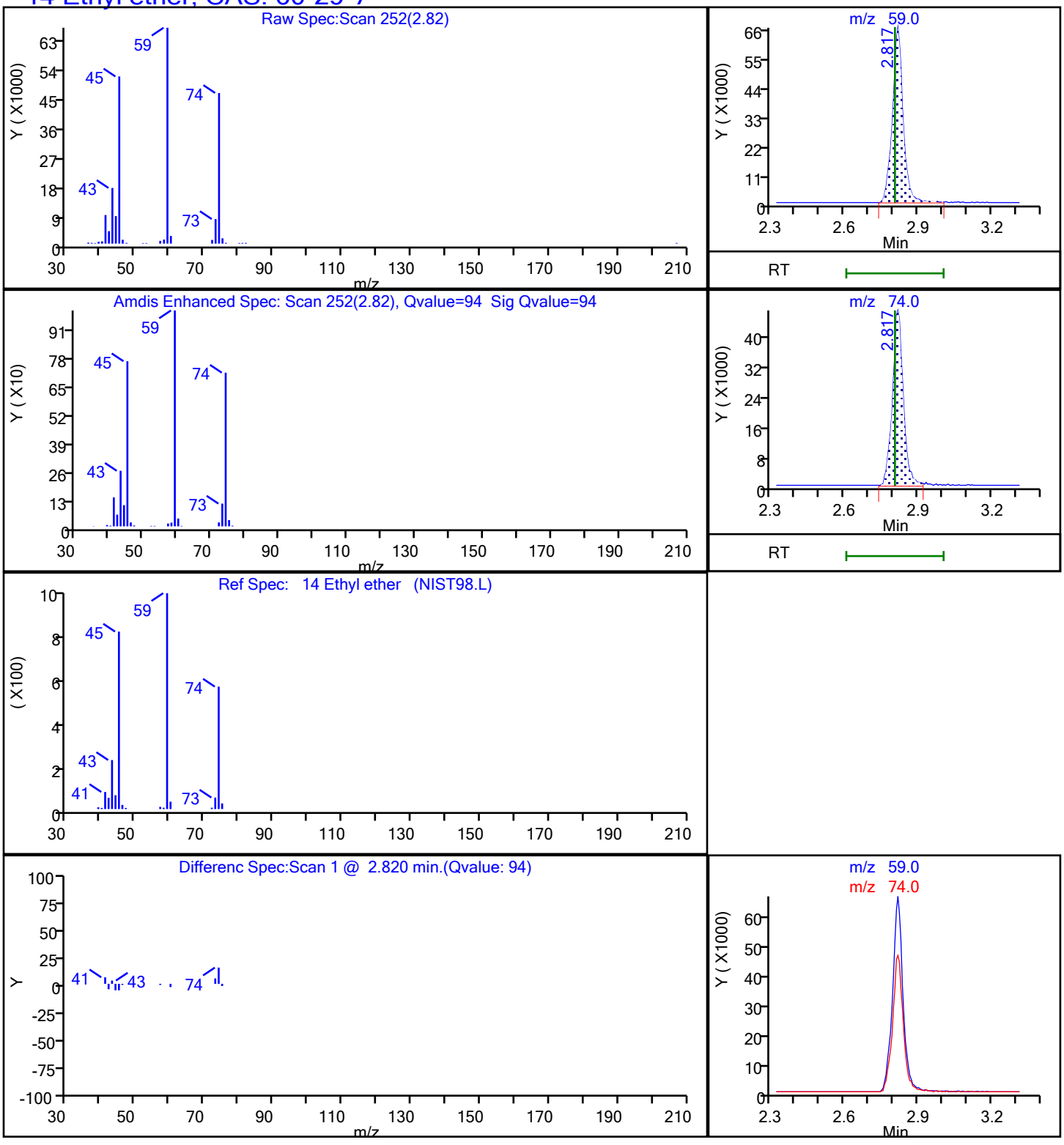
Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.2	112.41
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.0	109.96
$ 83 Toluene-d8 (Surr)	10.0	9.27	92.74
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.15	91.55

Report Date: 07-Aug-2025 11:09:43 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X27.D				
Injection Date:	06-Aug-2025 20:19:30	Instrument ID:	10193		
Lims ID:	410-234898-E-3 DL	Lab Sample ID:	410-234898-3		
Client ID:	16MW9				
Operator ID:	ecr105096	ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	25.000 mL	Dil. Factor:	10.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

14 Ethyl ether, CAS: 60-29-7



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1A
Lab Sample ID: 410-234898-4

Matrix: Water
Lab File ID: CG06X12.D

Analysis Method: 8260D
Date Collected: 07/30/2025 11:05

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 14:45

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.00	0.300
71-55-6	1,1,1-Trichloroethane	ND		1.00	0.300
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.00	0.300
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	1.00	0.400
79-00-5	1,1,2-Trichloroethane	ND		1.00	0.300
75-34-3	1,1-Dichloroethane	2.44		1.00	0.300
75-35-4	1,1-Dichloroethene	ND	F1	1.00	0.300
96-18-4	1,2,3-Trichloropropane	ND		1.00	0.300
120-82-1	1,2,4-Trichlorobenzene	ND		1.00	0.600
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.00	0.400
106-93-4	1,2-Dibromoethane	ND		1.00	0.300
95-50-1	1,2-Dichlorobenzene	ND		1.00	0.400
107-06-2	1,2-Dichloroethane	ND		1.00	0.300
78-87-5	1,2-Dichloropropane	ND		1.00	0.400
541-73-1	1,3-Dichlorobenzene	ND		1.00	0.400
142-28-9	1,3-Dichloropropane	ND		1.00	0.400
106-46-7	1,4-Dichlorobenzene	ND		1.00	0.400
123-91-1	1,4-Dioxane	ND		200	45.5
78-93-3	2-Butanone	ND	cn	10.0	1.70
591-78-6	2-Hexanone	ND	cn	10.0	2.00
108-10-1	4-Methyl-2-pentanone	ND	cn	10.0	2.00
67-64-1	Acetone	ND		10.0	2.00
75-05-8	Acetonitrile	ND		100	31.6
107-13-1	Acrylonitrile	ND		10.0	1.10
107-05-1	Allyl chloride	ND		10.0	1.00
71-43-2	Benzene	ND		1.00	0.300
75-27-4	Bromodichloromethane	ND		1.00	0.300
75-25-2	Bromoform	ND		1.00	0.400
74-83-9	Bromomethane	ND	F1	1.00	0.542
75-15-0	Carbon disulfide	ND		10.0	0.400
56-23-5	Carbon tetrachloride	ND		1.00	0.300

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1A
Lab Sample ID: 410-234898-4

Matrix: Water
Lab File ID: CG06X12.D

Analysis Method: 8260D
Date Collected: 07/30/2025 11:05

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 14:45

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	1.53	F1	1.00	0.100
67-66-3	Chloroform	ND		1.00	0.300
74-87-3	Chloromethane	ND		1.00	0.100
126-99-8	Chloroprene	ND		10.0	0.460
124-48-1	Dibromochloromethane	ND		1.00	0.400
74-95-3	Dibromomethane	ND		1.00	0.300
75-71-8	Dichlorodifluoromethane	ND		1.00	0.400
60-29-7	Diethyl ether	21.8		10.0	1.11
97-63-2	Ethyl methacrylate	ND		10.0	0.810
100-41-4	Ethylbenzene	ND		1.00	0.300
87-68-3	Hexachlorobutadiene	ND		1.00	0.400
78-83-1	Isobutyl alcohol	ND		200	11.6
179601-23-1	m&p-Xylene	ND		2.00	0.400
126-98-7	Methacrylonitrile	ND	cn	100	9.75
74-88-4	Methyl iodide	ND		10.0	0.580
80-62-6	Methyl methacrylate	ND		10.0	3.58
75-09-2	Methylene Chloride	ND	F1	1.00	0.700
91-20-3	Naphthalene	ND		1.00	0.400
95-47-6	o-Xylene	ND		1.00	0.400
76-01-7	Pentachloroethane	ND		10.0	1.70
107-12-0	Propionitrile	ND	cn	100	10.2
100-42-5	Styrene	ND		1.00	0.300
127-18-4	Tetrachloroethene	ND		1.00	0.300
109-99-9	Tetrahydrofuran	ND	cn	25.0	2.00
108-88-3	Toluene	ND		1.00	0.300
156-60-5	trans-1,2-Dichloroethene	ND		1.00	0.300
10061-02-6	trans-1,3-Dichloropropene	ND		1.00	0.400
79-01-6	Trichloroethene	ND		1.00	0.300
75-69-4	Trichlorofluoromethane	ND	F1	1.00	0.400
108-05-4	Vinyl acetate	ND		10.0	3.29
75-01-4	Vinyl chloride	ND		1.00	0.200
1330-20-7	Xylenes, Total	ND		3.00	0.400

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1A
Lab Sample ID: 410-234898-4

Matrix: Water
Lab File ID: CG06X12.D

Analysis Method: 8260D
Date Collected: 07/30/2025 11:05

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 14:45

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
115-10-6	Dimethyl ether	0.765		0.500	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	111		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		80-120
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X12.D
Lims ID: 410-234898-D-4
Client ID: 16WC1A
Sample Type: Client
Inject. Date: 06-Aug-2025 14:45:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-013
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 09:23:17 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:23:17

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	1 Chlorotrifluoroethene	116		1.720				ND	
	2 Dichlorodifluoromethane	85		1.750				ND	U
	3 Chlorodifluoromethane	51	1.762	1.768	-0.006	99	352617	5.45	
	4 Dimethyl ether	45	1.787	1.805	-0.018	89	56262	0.7654	
	5 Chloromethane	50		1.927				ND	
	7 Butadiene	39		2.012				ND	7
	6 Vinyl chloride	62		2.031				ND	U
	8 2-Chloro-1,1,1-Trifluoroethane	118		2.079				ND	
	9 Bromomethane	94		2.329				ND	7
	10 Chloroethane	64	2.366	2.360	0.006	97	48336	1.53	
	11 Dichlorofluoromethane	67	2.567	2.567	0.000	97	30207	0.3311	M
	13 Pentane	43		2.628				ND	U
	12 Trichlorofluoromethane	101		2.658				ND	
	14 Ethyl ether	59	2.805	2.805	0.000	94	733074	21.8	
T	15 Vinyl bromide TIC	106	2.585	2.830	-0.245	1	136	0.000833	
	16 1,2-Dichloro-1,1,2-trifluoroetha	67		2.908				ND	U
	17 Acrolein	56		2.957				ND	7
	18 1,1-Dichloroethene	96	3.073	3.073	0.000	97	4720	0.1358	
	20 Acetone	43	3.110	3.097	0.013	45	6868	1.19	
T	19 Ethanol TIC	45	3.110	3.099	0.011	78	5946	0.0364	
	21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.128				ND	
	22 Iodomethane	142		3.238				ND	
	24 Isopropyl alcohol	45		3.244				ND	
	23 Ethyl bromide	108		3.262				ND	7
T	167 Isopropyl alcohol TIC	45	3.280	3.276	0.004	37	286	0.001751	
	25 Carbon disulfide	76		3.329				ND	7
	27 Acetonitrile	41		3.451				ND	
	26 Methyl acetate	43		3.457				ND	U
	29 3-Chloro-1-propene	41		3.475				ND	
T	28 Acetonitrile TIC	41	3.402	3.477	-0.075	16	137	0.000839	
	30 Methylene Chloride	84		3.640				ND	7
*	31 t-Butyl alcohol-d10 (IS)	65	3.646	3.640	0.006	95	122411	50.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.793	3.756	0.037	29	5158	2.84	
33 Acrylonitrile	53		3.939				ND	
35 trans-1,2-Dichloroethene	96		3.987				ND	
34 Methyl tert-butyl ether	73	4.000	3.994	0.006	46	4357	0.0367	
36 Hexane	57		4.390				ND	
37 1,1-Dichloroethane	63	4.628	4.634	-0.006	96	190630	2.44	
38 Vinyl acetate	43		4.640				ND	
39 Isopropyl ether	45		4.701				ND	7
40 2-Chloro-1,3-butadiene	53		4.743				ND	
41 Tert-butyl ethyl ether	59		5.249				ND	7
42 2-Butanone (MEK)	43		5.463				ND	7
43 cis-1,2-Dichloroethene	96	5.493	5.487	0.006	79	94831	1.92	
44 2,2-Dichloropropane	77		5.505				ND	7
46 Ethyl acetate	43		5.554				ND	7
45 Propionitrile	54		5.554				ND	
47 Methacrylonitrile	67		5.780				ND	
48 Chlorobromomethane	128		5.829				ND	
49 Tetrahydrofuran	71	5.847	5.835	0.012	85	3898	1.23	a
50 Chloroform	83		5.993				ND	
51 Methyl acrylate	55		6.013				ND	
S 52 1,2-Dichloroethene, Total	100				0		1.92	
53 1,1,1-Trichloroethane	97		6.213				ND	
$ 54 Dibromofluoromethane (Surr)	113	6.213	6.213	0.000	94	428614	11.1	
55 Cyclohexane	56		6.304				ND	
56 Carbon tetrachloride	117		6.426				ND	
57 1,1-Dichloropropene	75		6.432				ND	7
58 Isobutyl alcohol	41		6.639				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.676	6.676	0.000	99	86251	10.8	
60 Benzene	78	6.700	6.700	0.000	96	39965	0.2152	
61 1,2-Dichloroethane	62		6.780				ND	
62 1-Chlorobutane	56		6.781				ND	
63 Isopropyl acetate	43		6.828				ND	
64 Tert-amyl methyl ether	73		6.914				ND	
* 65 Fluorobenzene (IS)	96	7.127	7.127	0.000	99	1633288	10.0	
66 n-Heptane	43		7.145				ND	7
67 n-Butanol	56		7.554				ND	
68 Trichloroethene	95	7.621	7.615	0.006	92	4237	0.0862	M
69 Methylcyclohexane	83		7.926				ND	
70 1,2-Dichloropropane	63		7.956				ND	
71 2-ethoxy-2-methyl butane	87		7.987				ND	
74 1,4-Dioxane	88		8.066				ND	
72 Dibromomethane	93		8.072				ND	
73 Methyl methacrylate	69		8.072				ND	
75 n-Propyl acetate	61		8.170				ND	
76 Dichlorobromomethane	83		8.316				ND	
77 2-Nitropropane	41		8.609				ND	
78 1-Bromo-2-chloroethane	63		8.712				ND	
79 2-Chloroethyl vinyl ether	63		8.724				ND	
80 cis-1,3-Dichloropropene	75		8.895				ND	
81 Chloroacetonitrile	75		9.067				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.102				ND	7
$ 83 Toluene-d8 (Surr)	98	9.230	9.230	0.000	94	1675184	9.37	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
84 Toluene	92	9.322	9.316	0.006	97	7506	0.0568	
85 trans-1,3-Dichloropropene	75		9.614				ND	
86 Ethyl methacrylate	69		9.700				ND	
87 1,1,2-Trichloroethane	97		9.834				ND	
88 Tetrachloroethene	166	9.919	9.913	0.006	97	4341	0.0708	
T 105 Chloroacetaldehyde TIC	50		10.000				ND	
T 102 Methyl acrylate TIC	55	10.450	10.000	0.450	1	218	0.001335	
T 104 Epibromohydrin TIC	57		10.000				ND	
T 103 2-Chloroethanol TIC	44	9.980	10.000	-0.020	1	518	0.003172	
T 101 Ethylene oxide TIC	43		10.000				ND	
T 99 2,3-Dibromopropene TIC	119	9.822	10.000	-0.178	1	138	0.000845	
T 96 Nitrobenzene TIC	77	10.267	10.000	0.267	1	122	0.000747	
T 97 Decamethylcyclopentasiloxane TIC	73	9.230	10.000	-0.770	1	684	0.004188	
T 94 2,3-Dibromo-1-propanol TIC	57	9.938	10.000	-0.062	1	65	0.000398	
T 95 Vinyl acetate (TIC)	43	9.919	10.000	-0.081	1	503	0.003080	
T 92 3-Chloro-1,2-propanediol TIC	43		10.000				ND	
T 100 2-Bromo-3-chloropropene TIC	75	9.822	10.000	-0.178	1	63	0.000386	
T 98 Epichlorohydrin TIC	57	9.938	10.000	-0.062	1	65	0.000398	
T 90 2-Bromoethanol TIC	45	9.328	10.000	-0.672	1	241	0.001476	
T 93 Monochloroacetic acid TIC	50	9.676	10.000	-0.324	1	124	0.000759	
T 91 Octamethylcyclotetrasiloxane TIC	281	11.937	10.000	1.937	91	17670	0.1082	
89 1,3-Dichloropropane	76		10.005				ND	
S 107 1,3-Dichloropropene, Total	100		10.060				ND	7
106 2-Hexanone	43		10.078				ND	7
109 n-Butyl acetate	43		10.224				ND	
108 Chlorodibromomethane	129		10.230				ND	7
110 Ethylene Dibromide	107		10.340				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1360812	10.0	
112 1-Chlorohexane	91		10.828				ND	7
113 Chlorobenzene	112	10.828	10.834	-0.006	50	3986	0.0264	a
114 1,1,1,2-Tetrachloroethane	131		10.925				ND	
115 Ethylbenzene	91		10.925				ND	7
116 m-Xylene & p-Xylene	106		11.053				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.395				ND	
119 Styrene	104		11.413				ND	
120 Bromoform	173		11.565				ND	7
121 Isopropylbenzene	105		11.712				ND	
122 cis-1,4-Dichloro-2-butene	88		11.772				ND	
123 Cyclohexanone	55		11.797				ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	94	619444	9.18	
125 Bromobenzene	156		11.968				ND	
126 1,1,2,2-Tetrachloroethane	83		11.968				ND	
127 trans-1,4-Dichloro-2-butene	53		11.998				ND	
128 1,2,3-Trichloropropane	110		12.010				ND	
129 N-Propylbenzene	91		12.053				ND	
130 2-Chlorotoluene	126		12.126				ND	
131 1,3,5-Trimethylbenzene	105		12.193				ND	7
132 4-Chlorotoluene	126		12.224				ND	
133 tert-Butylbenzene	134		12.443				ND	
134 Pentachloroethane	167		12.468				ND	
135 1,2,4-Trimethylbenzene	105		12.486				ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
136 sec-Butylbenzene	105		12.608				ND	
137 1,3-Dichlorobenzene	146		12.705				ND	7
138 4-Isopropyltoluene	119		12.724				ND	7
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	736201	10.0	
140 1,4-Dichlorobenzene	146		12.778				ND	7
141 1,2,3-Trimethylbenzene	120		12.797				ND	7
142 Benzyl chloride	126		12.864				ND	7
145 p-Diethylbenzene	119		12.998				ND	
143 n-Butylbenzene	92		13.022				ND	
144 1,2-Dichlorobenzene	146		13.047				ND	
T 146 Hexachloroethane TIC	117	13.382	13.444	-0.062	1	164	0.001004	
147 Hexachloroethane	117		13.444				ND	
148 1,2-Dibromo-3-Chloropropane	155		13.601				ND	
149 1,3,5-Trichlorobenzene	180		13.729				ND	
150 1,2,4-Trichlorobenzene	180		14.162				ND	
151 Hexachlorobutadiene	225		14.248				ND	
152 Naphthalene	128		14.345				ND	
153 1,2,3-Trichlorobenzene	180		14.485				ND	
154 2-Methylnaphthalene	142		15.101				ND	
155 Dodecane	57		0.000				ND	
253 Dimethylformamide TIC	1		0.000				ND	
252 1,1,1,2-Tetrafluoroethane TIC	1		0.000				ND	
251 sec-Butyl Alcohol TIC	1		0.000				ND	
250 C4-C12	1		0.000				ND	
249 C5-C12	1		0.000				ND	
248 C7-C12	1		0.000				ND	
247 C6-C10	1		0.000				ND	
246 C6-C12	1		0.000				ND	
245 C4-C10	1		0.000				ND	
254 3-Pentanone TIC	1		0.000				ND	
244 1,1-Dichloro-1-fluoroethane TIC	1		0.000				ND	
165 n-Decane	57		0.000				ND	
164 Ethanol	45		0.000				ND	
163 t-Amyl alcohol	1		0.000				ND	
162 Propene oxide	1		0.000				ND	
161 Methylal	1		0.000				ND	
160 1,1-Dichloroacetone	1		0.000				ND	
159 1-Chloropropane	1		0.000				ND	
158 2-Bromo-1-chloropropane	1		0.000				ND	
157 tert-Butyl Formate	1		0.000				ND	
156 1,1-Dichloro-1-fluoroethane	1		0.000				ND	
166 1-Bromo-3-Chloropropane	1		0.000				ND	
255 Isooctane TIC	1		0.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected
a - User Assigned ID

Reagents:

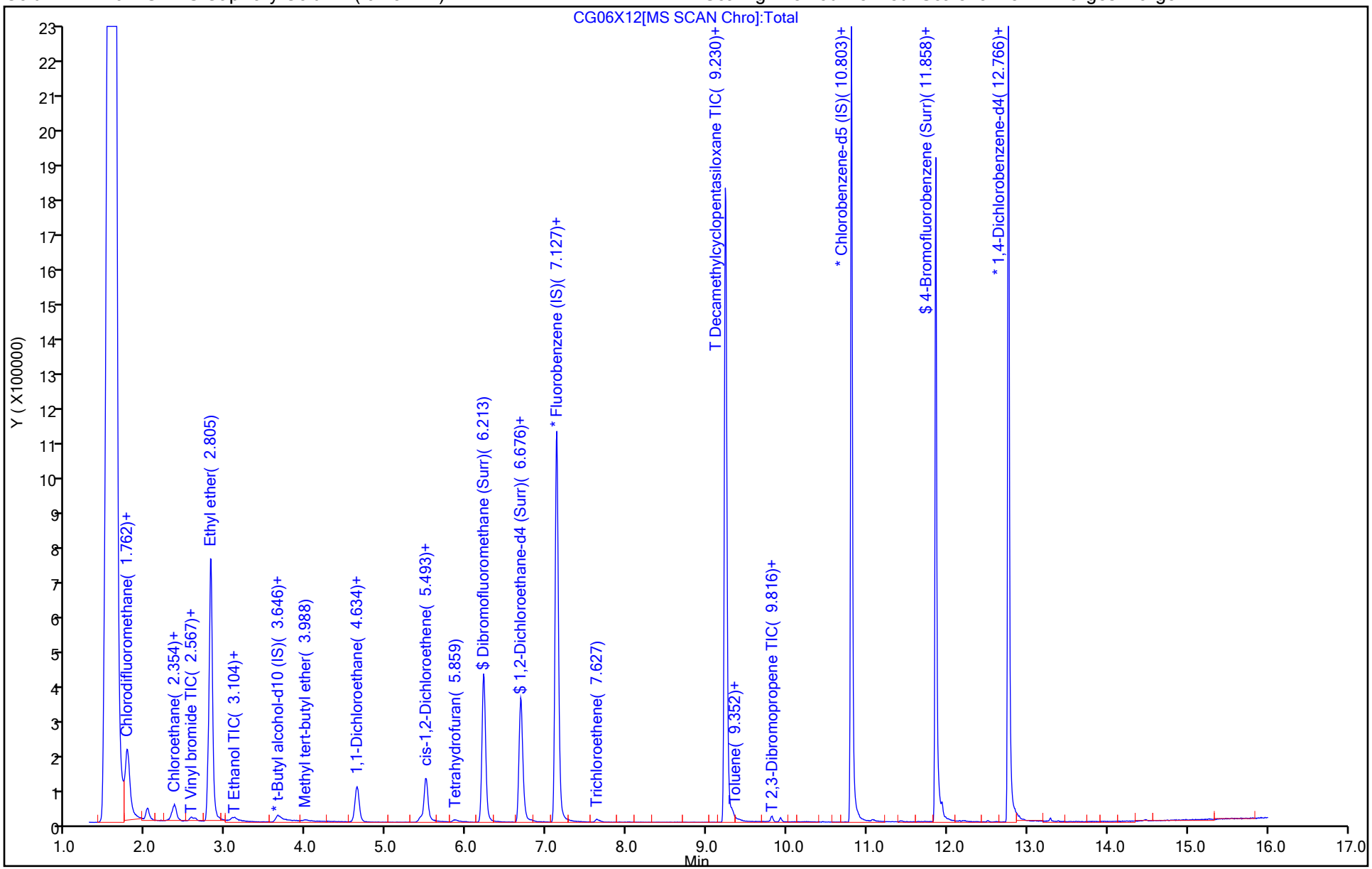
MSV_HP25_ISSS_00117 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 07-Aug-2025 09:23:18 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X12.D				
Injection Date:	06-Aug-2025 14:45:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	410-234898-D-4	Lab Sample ID:	410-234898-4	Worklist Smp#:	13
Client ID:	16WC1A				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X12.D				
Lims ID:	410-234898-D-4				
Client ID:	16WC1A				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 14:45:30	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-013				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Aug-2025 09:23:17	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:23:17

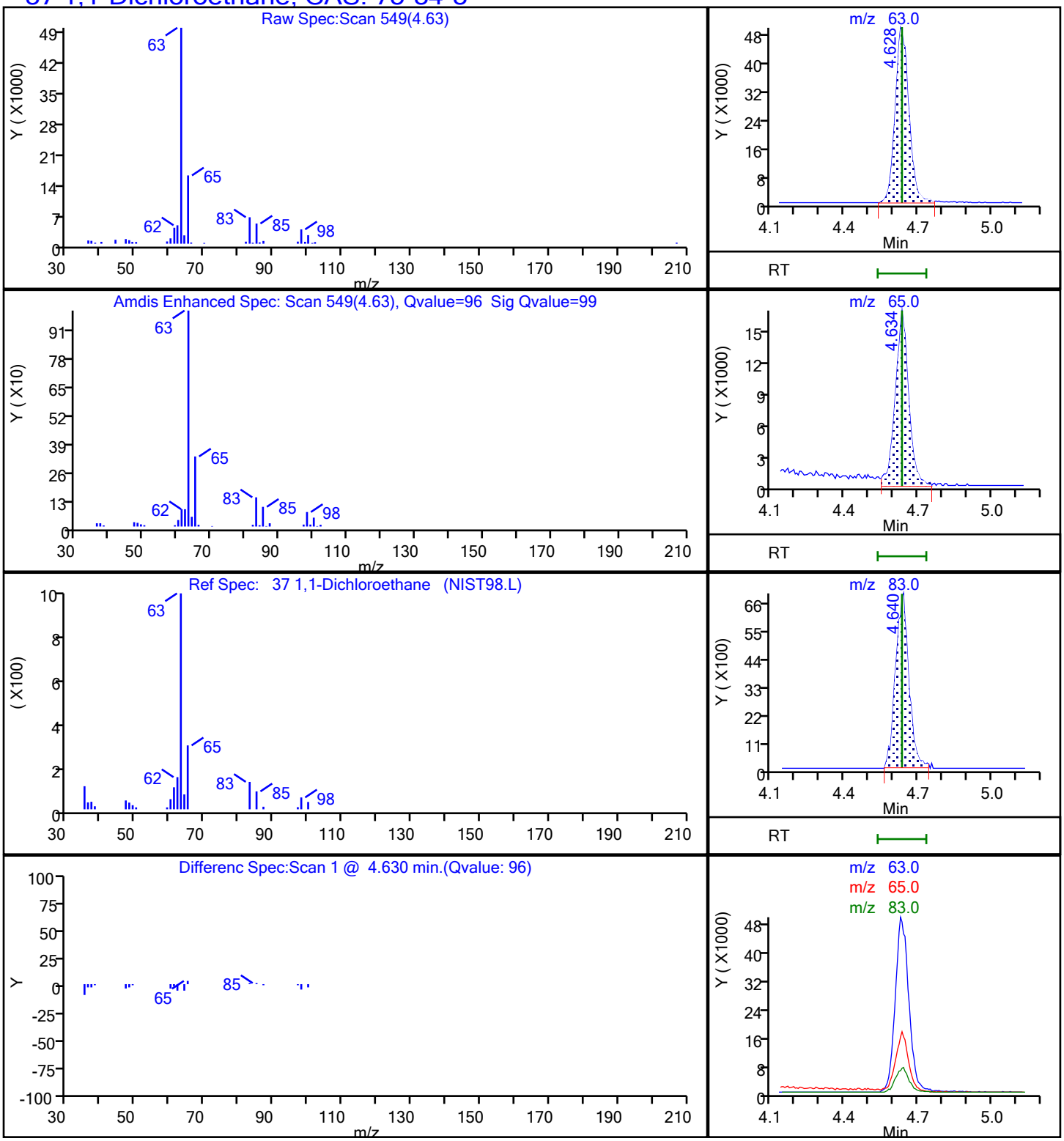
Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.1	111.21
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.8	108.44
$ 83 Toluene-d8 (Surr)	10.0	9.37	93.73
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.18	91.78

Report Date: 07-Aug-2025 09:23:19 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X12.D				
Injection Date:	06-Aug-2025 14:45:30	Instrument ID:	10193		
Lims ID:	410-234898-D-4	Lab Sample ID:	410-234898-4		
Client ID:	16WC1A				
Operator ID:	ecr105096	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

37 1,1-Dichloroethane, CAS: 75-34-3



Report Date: 07-Aug-2025 09:23:18 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X12.D

Injection Date: 06-Aug-2025 14:45:30 Instrument ID: 10193

Lims ID: 410-234898-D-4 Lab Sample ID: 410-234898-4

Client ID: 16WC1A

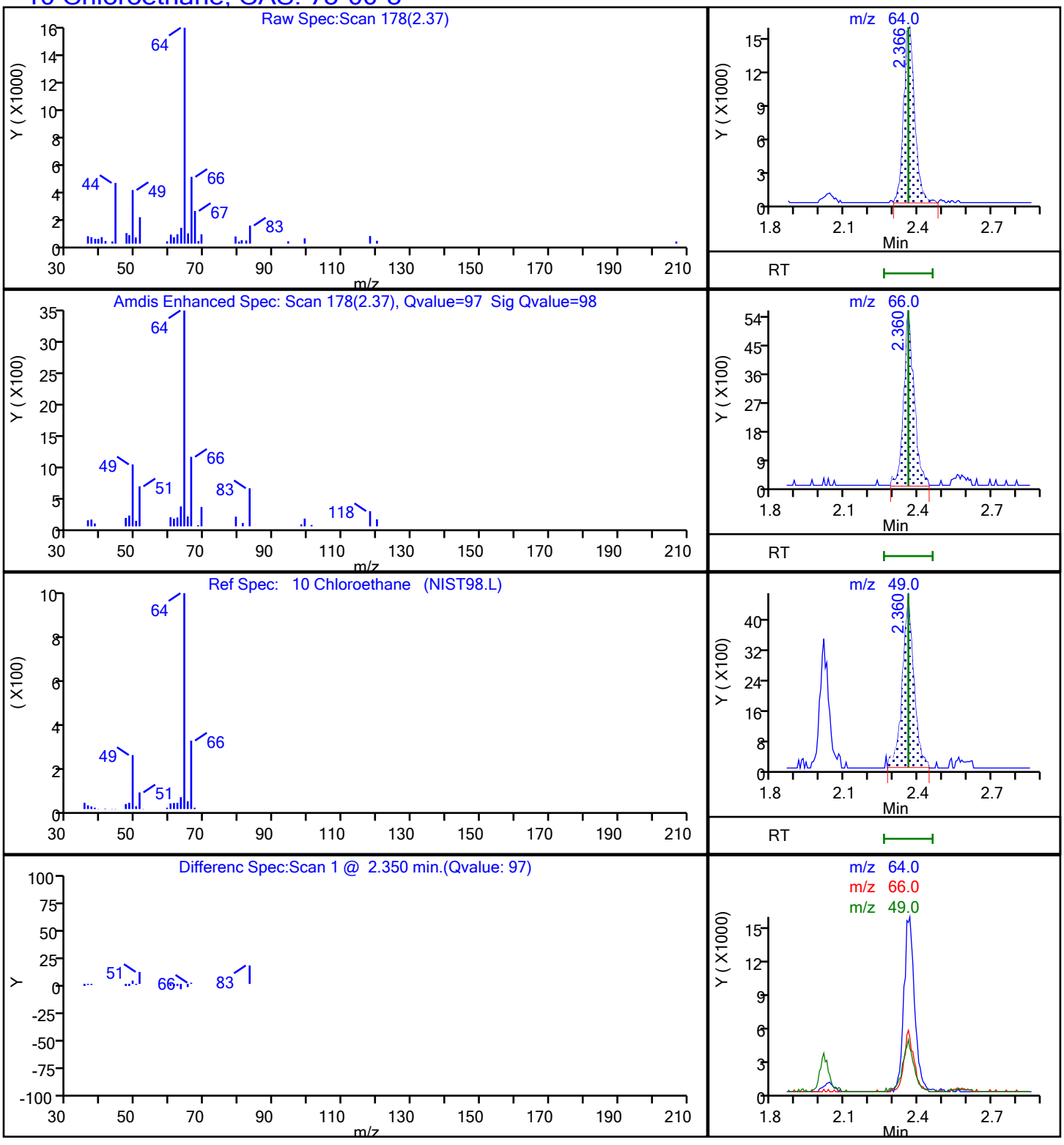
Operator ID: ecr105096 ALS Bottle#: 12 Worklist Smp#: 13

Purge Vol: 25.000 mL Dil. Factor: 1.0000

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

10 Chloroethane, CAS: 75-00-3

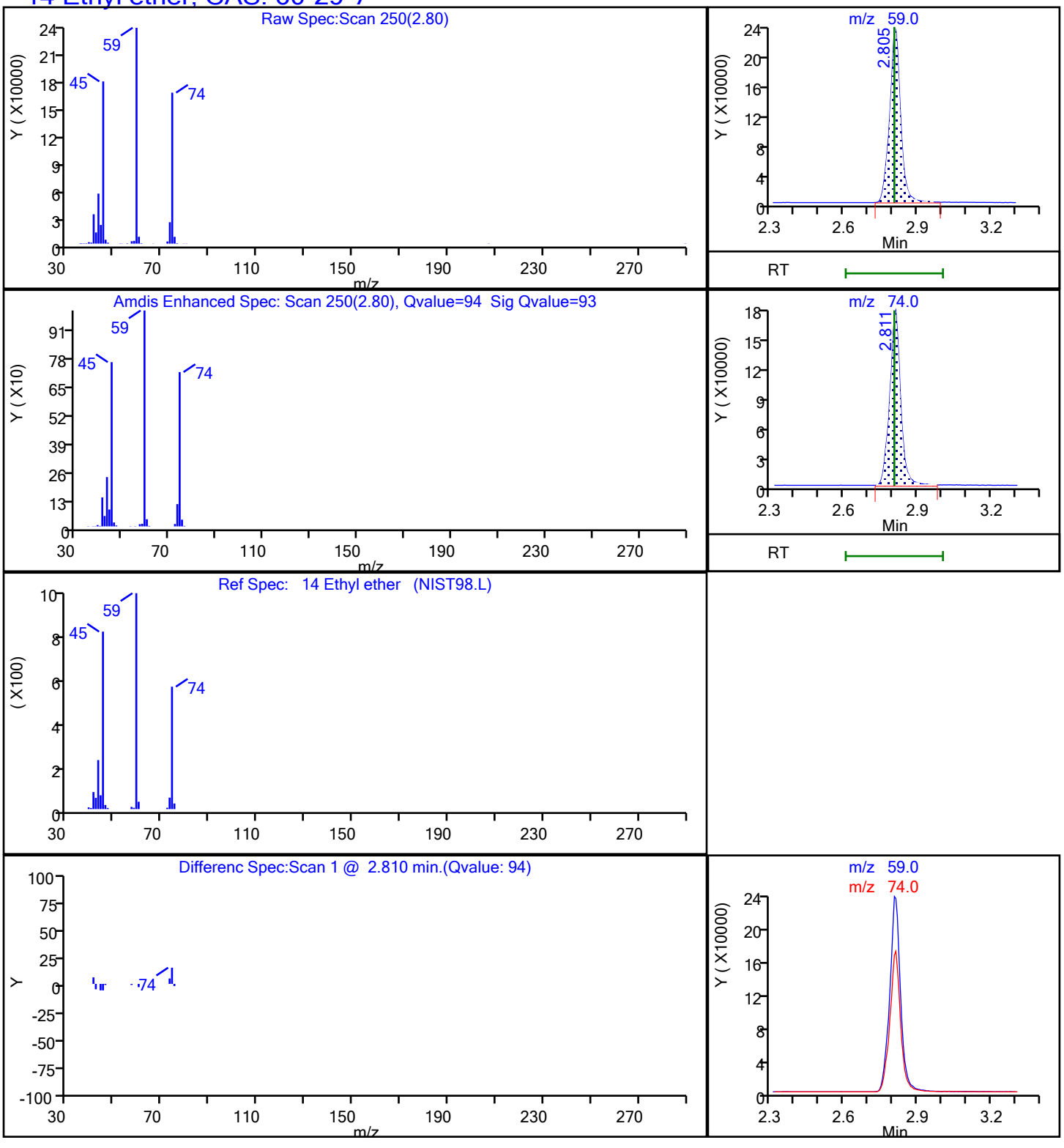


Report Date: 07-Aug-2025 09:23:18 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X12.D				
Injection Date:	06-Aug-2025 14:45:30	Instrument ID:	10193		
Lims ID:	410-234898-D-4	Lab Sample ID:	410-234898-4		
Client ID:	16WC1A				
Operator ID:	ecr105096	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

14 Ethyl ether, CAS: 60-29-7



Report Date: 07-Aug-2025 09:23:18 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X12.D

Injection Date: 06-Aug-2025 14:45:30 Instrument ID: 10193

Lims ID: 410-234898-D-4 Lab Sample ID: 410-234898-4

Client ID: 16WC1A

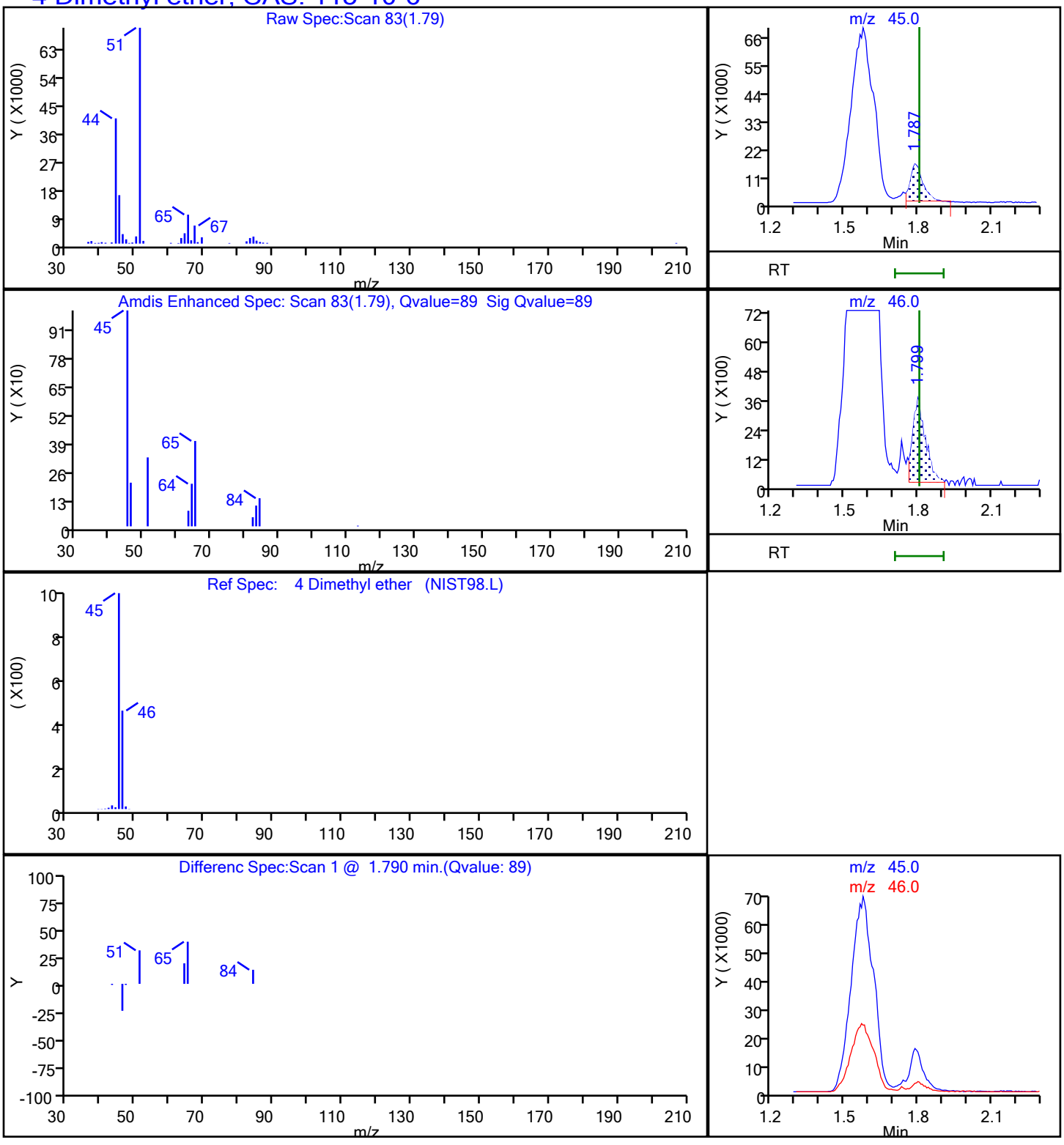
Operator ID: ecr105096 ALS Bottle#: 12 Worklist Smp#: 13

Purge Vol: 25.000 mL Dil. Factor: 1.0000

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

4 Dimethyl ether, CAS: 115-10-6



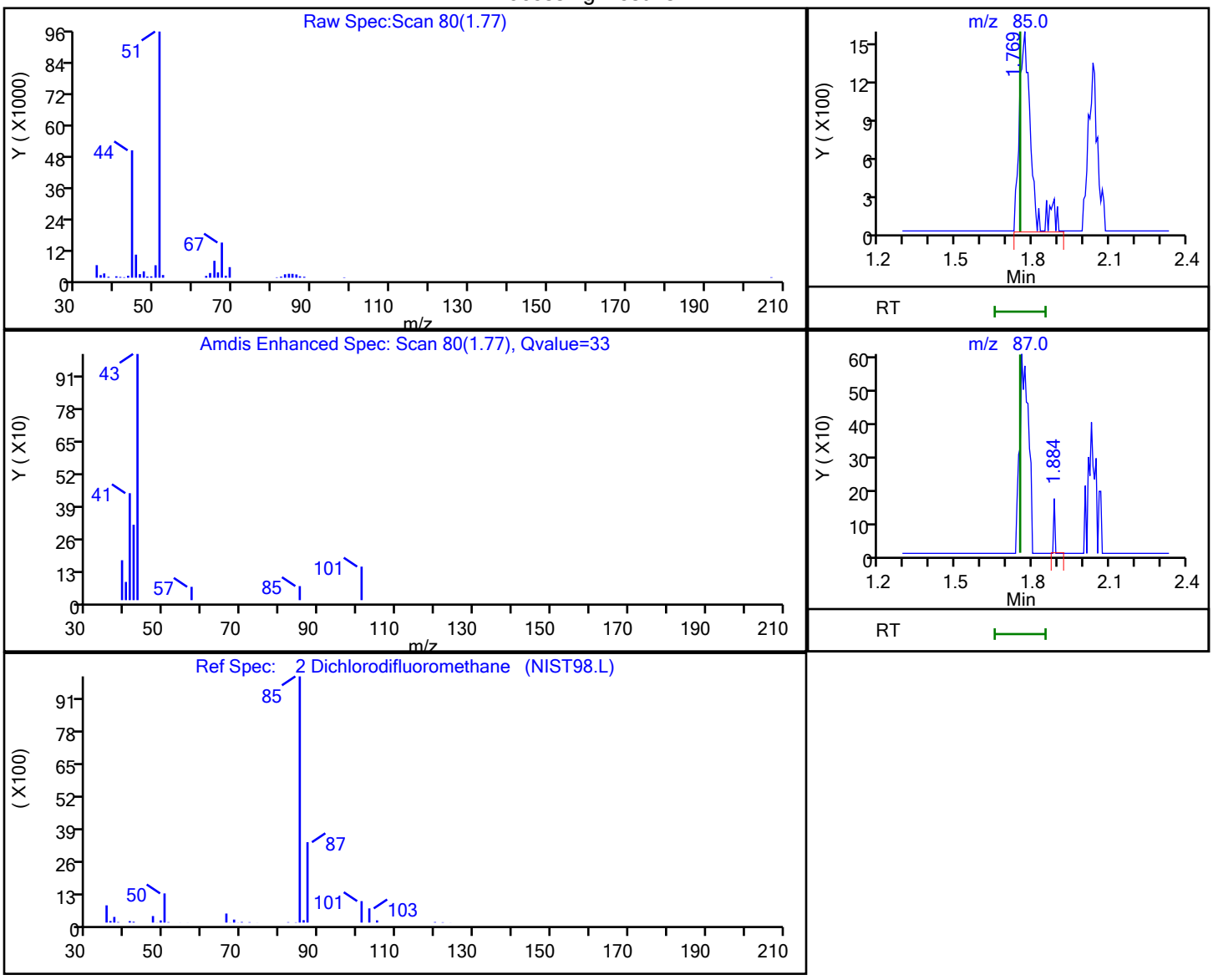
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X12.D				
Injection Date:	06-Aug-2025 14:45:30	Instrument ID:	10193		
Lims ID:	410-234898-D-4	Lab Sample ID:	410-234898-4		
Client ID:	16WC1A				
Operator ID:	ecr105096	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

2 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
1.77	85.00	4706	0.088499
1.88	87.00	61	

Reviewer: FQ4L, 07-Aug-2025 09:02:43 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

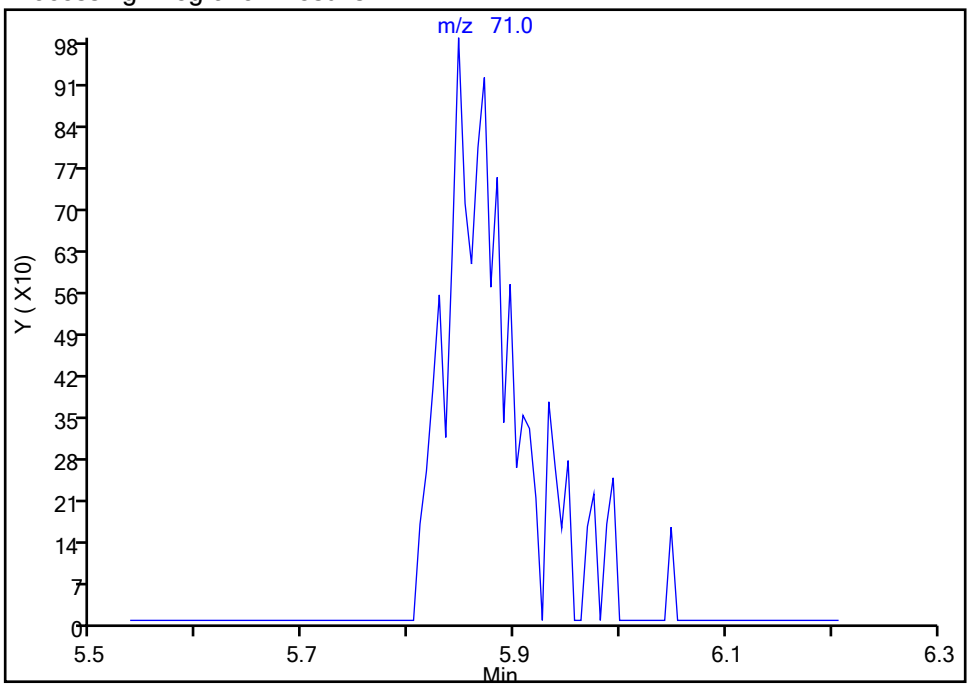
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X12.D				
Injection Date:	06-Aug-2025 14:45:30	Instrument ID:	10193		
Lims ID:	410-234898-D-4	Lab Sample ID:	410-234898-4		
Client ID:	16WC1A				
Operator ID:	ecr105096	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

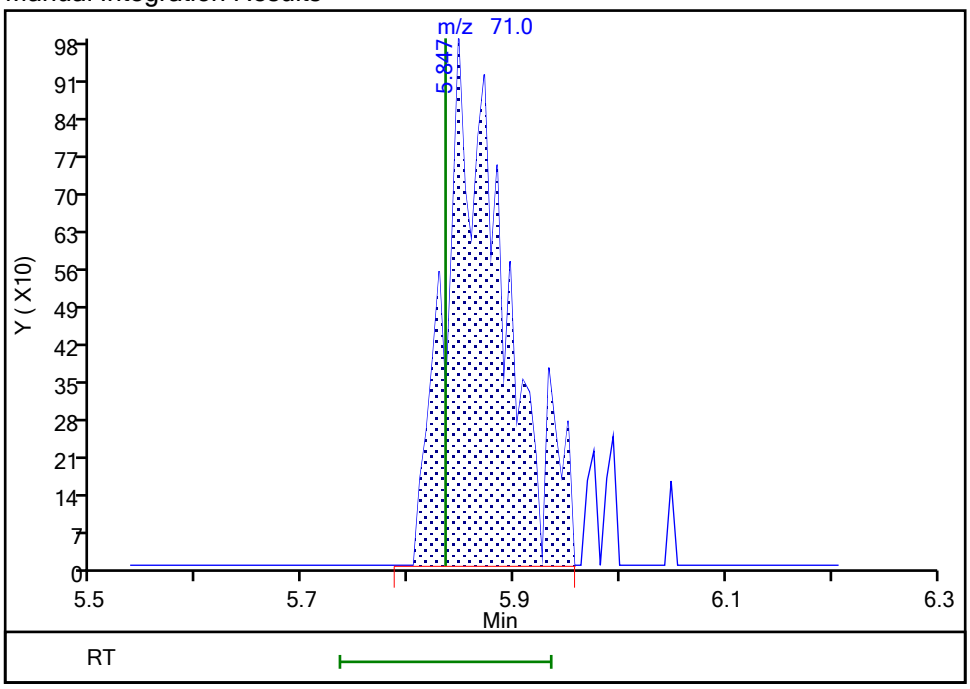
Not Detected
Expected RT: 5.83

Processing Integration Results



Manual Integration Results

RT: 5.85
Area: 3898
Amount: 1.233257
Amount Units: ug/l



Reviewer: FQ4L, 07-Aug-2025 09:22:34 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

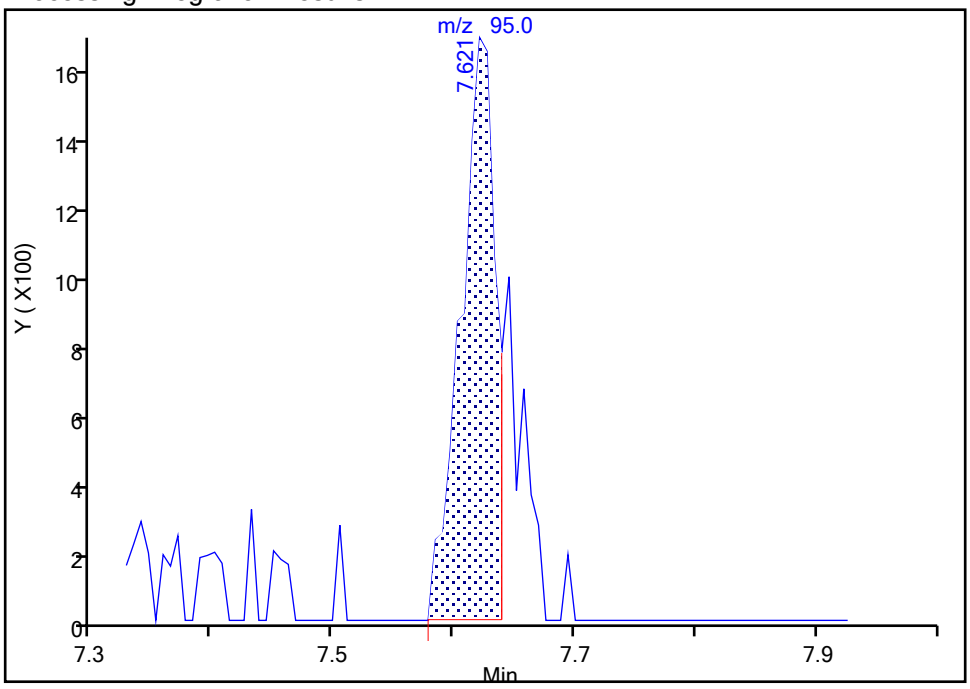
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X12.D				
Injection Date:	06-Aug-2025 14:45:30	Instrument ID:	10193		
Lims ID:	410-234898-D-4	Lab Sample ID:	410-234898-4		
Client ID:	16WC1A				
Operator ID:	ecr105096	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6

Signal: 1

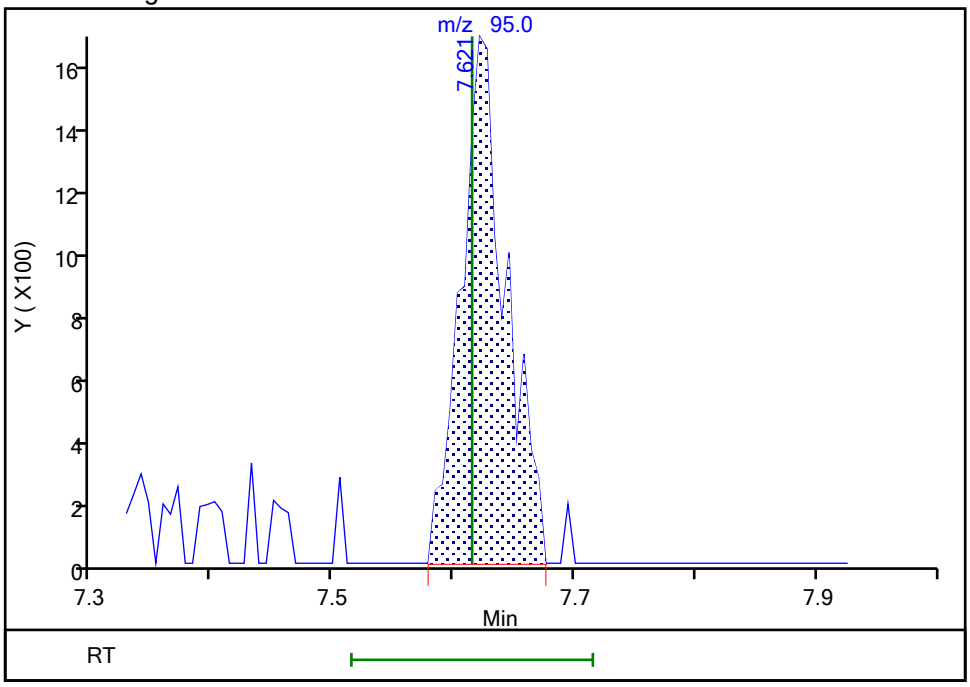
Processing Integration Results

RT: 7.62
Area: 3287
Amount: 0.066865
Amount Units: ug/l



Manual Integration Results

RT: 7.62
Area: 4237
Amount: 0.086190
Amount Units: ug/l



Reviewer: FQ4L, 07-Aug-2025 09:22:48 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

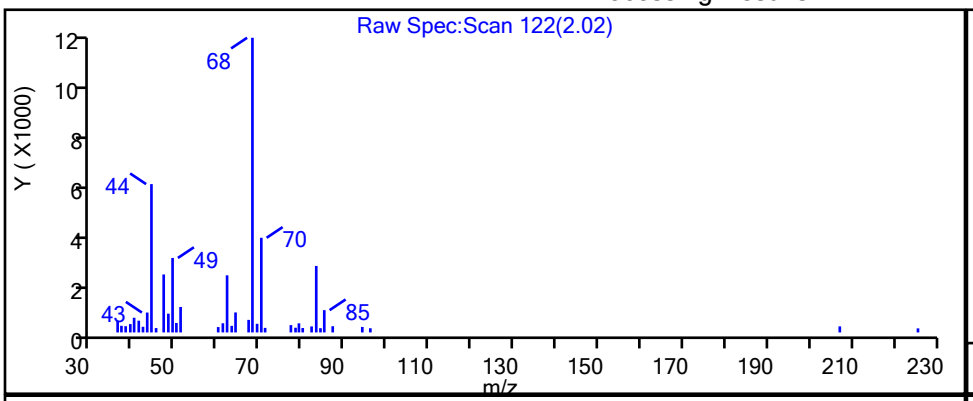
User Disabled Compound Report

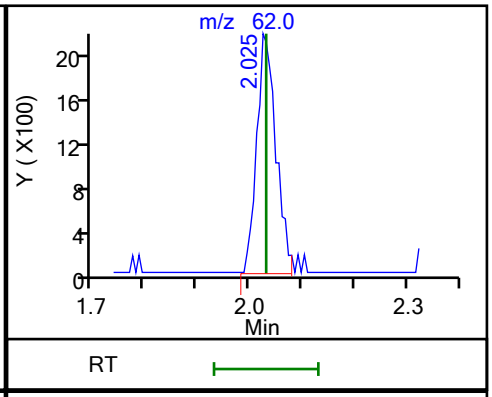
Eurofins Lancaster Laboratories Environment Testing, LLC

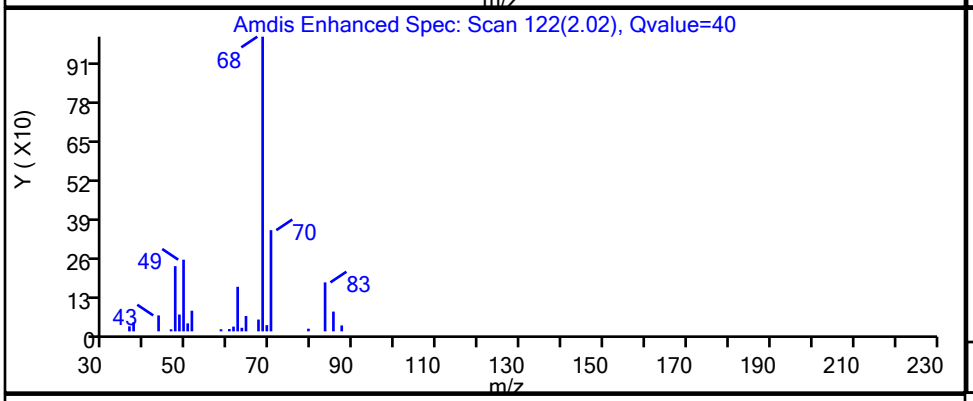
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X12.D				
Injection Date:	06-Aug-2025 14:45:30	Instrument ID:	10193		
Lims ID:	410-234898-D-4	Lab Sample ID:	410-234898-4		
Client ID:	16WC1A				
Operator ID:	ecr105096	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

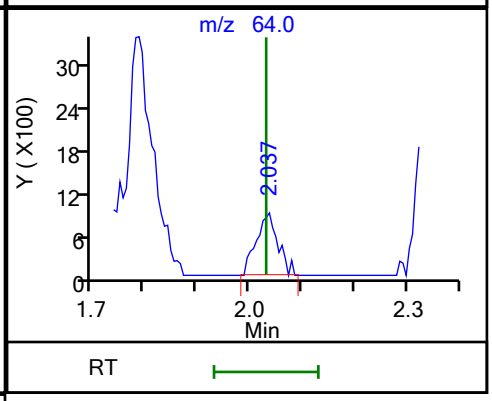
6 Vinyl chloride, CAS: 75-01-4

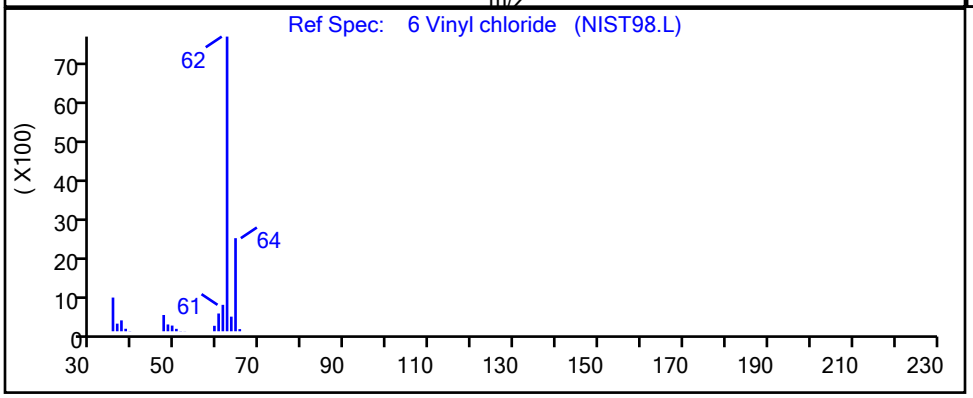
Processing Results











RT	Mass	Response	Amount
2.02	62.00	5511	0.098859
2.04	64.00	2482	

Reviewer: FQ4L, 07-Aug-2025 09:21:33 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WDUP
Lab Sample ID: 410-234898-5

Matrix: Water
Lab File ID: CG06X17.D

Analysis Method: 8260D
Date Collected: 07/30/2025 09:25

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 16:37

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.00	0.300
71-55-6	1,1,1-Trichloroethane	ND		1.00	0.300
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.00	0.300
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.400
79-00-5	1,1,2-Trichloroethane	ND		1.00	0.300
75-34-3	1,1-Dichloroethane	2.38		1.00	0.300
75-35-4	1,1-Dichloroethene	ND		1.00	0.300
96-18-4	1,2,3-Trichloropropane	ND		1.00	0.300
120-82-1	1,2,4-Trichlorobenzene	ND		1.00	0.600
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.00	0.400
106-93-4	1,2-Dibromoethane	ND		1.00	0.300
95-50-1	1,2-Dichlorobenzene	ND		1.00	0.400
107-06-2	1,2-Dichloroethane	ND		1.00	0.300
78-87-5	1,2-Dichloropropane	ND		1.00	0.400
541-73-1	1,3-Dichlorobenzene	ND		1.00	0.400
142-28-9	1,3-Dichloropropane	ND		1.00	0.400
106-46-7	1,4-Dichlorobenzene	ND		1.00	0.400
123-91-1	1,4-Dioxane	ND		200	45.5
78-93-3	2-Butanone	ND	cn	10.0	1.70
591-78-6	2-Hexanone	ND	cn	10.0	2.00
108-10-1	4-Methyl-2-pentanone	ND	cn	10.0	2.00
67-64-1	Acetone	2.53	J	10.0	2.00
75-05-8	Acetonitrile	ND		100	31.6
107-13-1	Acrylonitrile	ND		10.0	1.10
107-05-1	Allyl chloride	ND		10.0	1.00
71-43-2	Benzene	ND		1.00	0.300
75-27-4	Bromodichloromethane	ND		1.00	0.300
75-25-2	Bromoform	ND		1.00	0.400
74-83-9	Bromomethane	ND		1.00	0.542
75-15-0	Carbon disulfide	ND		10.0	0.400
56-23-5	Carbon tetrachloride	ND		1.00	0.300

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WDUP Lab Sample ID: 410-234898-5

Matrix: Water Lab File ID: CG06X17.D

Analysis Method: 8260D Date Collected: 07/30/2025 09:25

Sample wt/vol: 25(mL) Date Analyzed: 08/06/2025 16:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 681517 Units: ug/L

Preparation Batch No.: Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	1.51		1.00	0.100
67-66-3	Chloroform	ND		1.00	0.300
74-87-3	Chloromethane	0.143	J	1.00	0.100
126-99-8	Chloroprene	ND		10.0	0.460
124-48-1	Dibromochloromethane	ND		1.00	0.400
74-95-3	Dibromomethane	ND		1.00	0.300
75-71-8	Dichlorodifluoromethane	ND		1.00	0.400
60-29-7	Diethyl ether	19.4		10.0	1.11
97-63-2	Ethyl methacrylate	ND		10.0	0.810
100-41-4	Ethylbenzene	ND		1.00	0.300
87-68-3	Hexachlorobutadiene	ND		1.00	0.400
78-83-1	Isobutyl alcohol	ND		200	11.6
179601-23-1	m&p-Xylene	ND		2.00	0.400
126-98-7	Methacrylonitrile	ND	cn	100	9.75
74-88-4	Methyl iodide	ND		10.0	0.580
80-62-6	Methyl methacrylate	ND		10.0	3.58
75-09-2	Methylene Chloride	ND		1.00	0.700
91-20-3	Naphthalene	ND		1.00	0.400
95-47-6	o-Xylene	ND		1.00	0.400
76-01-7	Pentachloroethane	ND		10.0	1.70
107-12-0	Propionitrile	ND	cn	100	10.2
100-42-5	Styrene	ND		1.00	0.300
127-18-4	Tetrachloroethene	ND		1.00	0.300
109-99-9	Tetrahydrofuran	ND	cn	25.0	2.00
108-88-3	Toluene	ND		1.00	0.300
156-60-5	trans-1,2-Dichloroethene	ND		1.00	0.300
10061-02-6	trans-1,3-Dichloropropene	ND		1.00	0.400
79-01-6	Trichloroethene	ND		1.00	0.300
75-69-4	Trichlorofluoromethane	ND		1.00	0.400
108-05-4	Vinyl acetate	ND		10.0	3.29
75-01-4	Vinyl chloride	ND		1.00	0.200
1330-20-7	Xylenes, Total	ND		3.00	0.400

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WDUP
Lab Sample ID: 410-234898-5

Matrix: Water
Lab File ID: CG06X17.D

Analysis Method: 8260D
Date Collected: 07/30/2025 09:25

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 16:37

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
115-10-6	Dimethyl ether	0.764		0.500	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	110		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		80-120
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X17.D
Lims ID: 410-234898-D-5
Client ID: 16WDUP
Sample Type: Client
Inject. Date: 06-Aug-2025 16:37:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-018
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 09:16:00 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:16:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.750				ND	U
4 Dimethyl ether	45	1.787	1.805	-0.018	87	55789	0.7641	
5 Chloromethane	50	1.927	1.927	0.000	97	8956	0.1429	
6 Vinyl chloride	62	2.031	2.031	0.000	79	5919	0.1069	
9 Bromomethane	94		2.329				ND	7
10 Chloroethane	64	2.360	2.360	0.000	99	47498	1.51	
12 Trichlorofluoromethane	101		2.658				ND	
14 Ethyl ether	59	2.805	2.805	0.000	94	647795	19.4	
18 1,1-Dichloroethene	96	3.073	3.073	0.000	89	4076	0.1180	
20 Acetone	43	3.110	3.097	0.013	53	14393	2.53	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.128				ND	
22 Iodomethane	142		3.238				ND	
25 Carbon disulfide	76		3.329				ND	7
27 Acetonitrile	41		3.451				ND	7
29 3-Chloro-1-propene	41		3.475				ND	
30 Methylene Chloride	84		3.640				ND	7
* 31 t-Butyl alcohol-d10 (IS)	65	3.652	3.640	0.012	96	120166	50.0	
33 Acrylonitrile	53		3.939				ND	
35 trans-1,2-Dichloroethene	96	3.988	3.987	0.001	79	1269	0.0298	
37 1,1-Dichloroethane	63	4.634	4.634	0.000	97	184770	2.38	
38 Vinyl acetate	43		4.640				ND	
40 2-Chloro-1,3-butadiene	53		4.743				ND	
42 2-Butanone (MEK)	43		5.463				ND	7
45 Propionitrile	54		5.554				ND	
47 Methacrylonitrile	67		5.780				ND	
49 Tetrahydrofuran	71	5.859	5.835	0.024	81	3614	1.16	
50 Chloroform	83		5.993				ND	
53 1,1,1-Trichloroethane	97		6.213				ND	
$ 54 Dibromofluoromethane (Surr)	113	6.213	6.213	0.000	94	420752	11.0	
56 Carbon tetrachloride	117		6.426				ND	
58 Isobutyl alcohol	41		6.639				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.676	6.676	0.000	99	85923	10.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
60 Benzene	78	6.700	6.700	0.000	51	39360	0.2133	
61 1,2-Dichloroethane	62		6.780				ND	7
* 65 Fluorobenzene (IS)	96	7.121	7.127	-0.006	99	1622380	10.0	
68 Trichloroethene	95	7.621	7.615	0.006	96	3644	0.0746	
70 1,2-Dichloropropane	63		7.956				ND	
74 1,4-Dioxane	88		8.066				ND	
72 Dibromomethane	93		8.072				ND	
73 Methyl methacrylate	69		8.072				ND	
76 Dichlorobromomethane	83		8.316				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.102				ND	7
$ 83 Toluene-d8 (Surr)	98	9.230	9.230	0.000	94	1662470	9.33	
84 Toluene	92		9.316				ND	7
85 trans-1,3-Dichloropropene	75		9.614				ND	
86 Ethyl methacrylate	69		9.700				ND	
87 1,1,2-Trichloroethane	97		9.834				ND	
88 Tetrachloroethene	166	9.919	9.913	0.006	93	3967	0.0649	
89 1,3-Dichloropropane	76		10.005				ND	
106 2-Hexanone	43		10.078				ND	7
108 Chlorodibromomethane	129		10.230				ND	
110 Ethylene Dibromide	107		10.340				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1356441	10.0	
114 1,1,1,2-Tetrachloroethane	131		10.925				ND	
115 Ethylbenzene	91		10.925				ND	7
116 m-Xylene & p-Xylene	106		11.053				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.395				ND	7
119 Styrene	104		11.413				ND	
120 Bromoform	173		11.565				ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	93	621003	9.23	
126 1,1,2,2-Tetrachloroethane	83		11.968				ND	
128 1,2,3-Trichloropropane	110		12.010				ND	
134 Pentachloroethane	167		12.468				ND	
137 1,3-Dichlorobenzene	146		12.705				ND	7
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	744418	10.0	
140 1,4-Dichlorobenzene	146		12.778				ND	7
144 1,2-Dichlorobenzene	146		13.047				ND	
148 1,2-Dibromo-3-Chloropropane	155		13.601				ND	
150 1,2,4-Trichlorobenzene	180		14.162				ND	
151 Hexachlorobutadiene	225		14.248				ND	
152 Naphthalene	128		14.345				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP25_ISSS_00117 Amount Added: 1.00 Units: uL Run Reagent

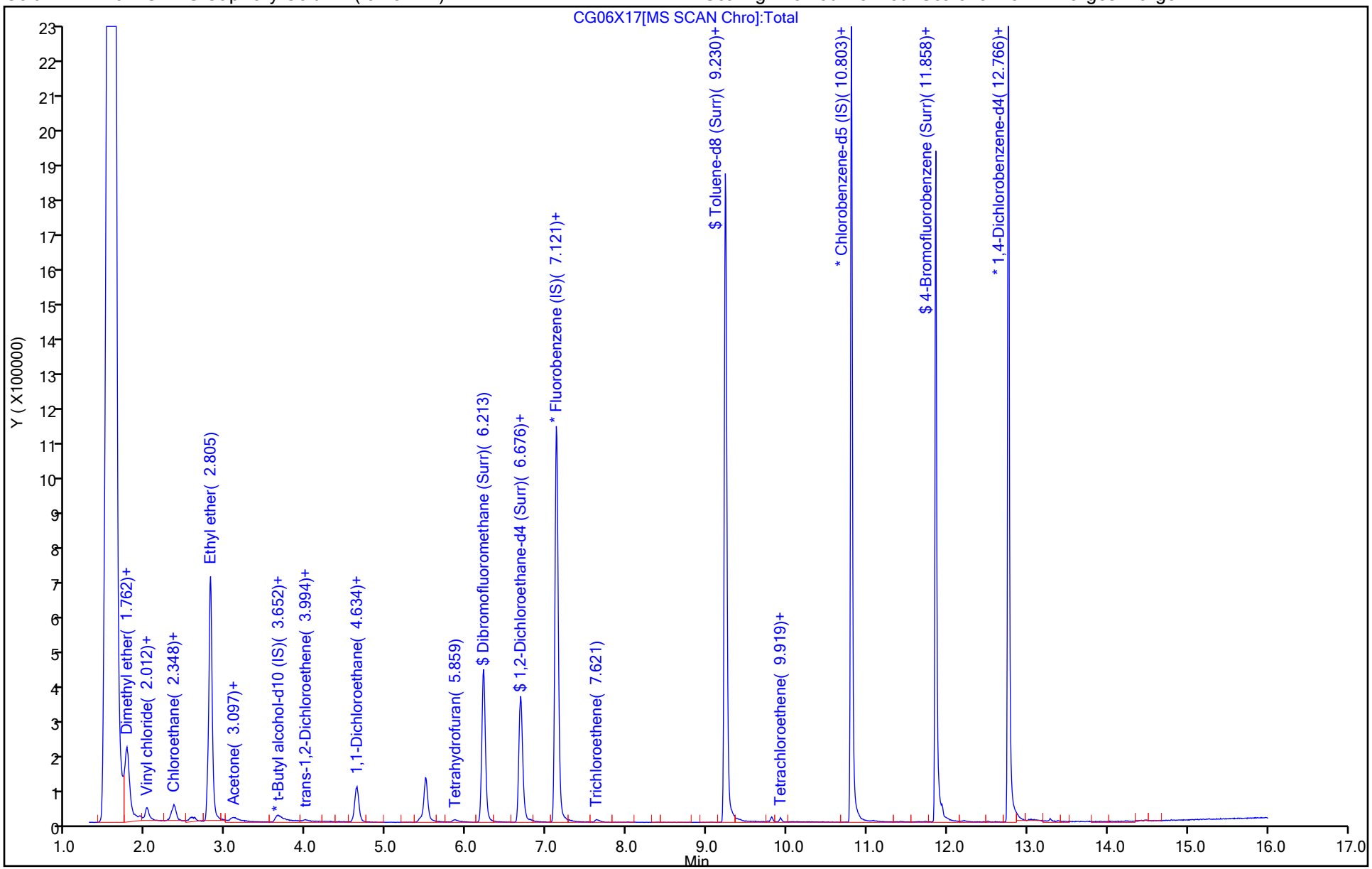
Report Date: 07-Aug-2025 09:16:01 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X17.D

Injection Date:	06-Aug-2025 16:37:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	410-234898-D-5	Lab Sample ID:	410-234898-5	Worklist Smp#:	18
Client ID:	16WDUP				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X17.D				
Lims ID:	410-234898-D-5				
Client ID:	16WDUP				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 16:37:30	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-018				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Aug-2025 09:16:00	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:16:00

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.0	109.90
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.9	108.76
$ 83 Toluene-d8 (Surr)	10.0	9.33	93.31
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.23	92.31

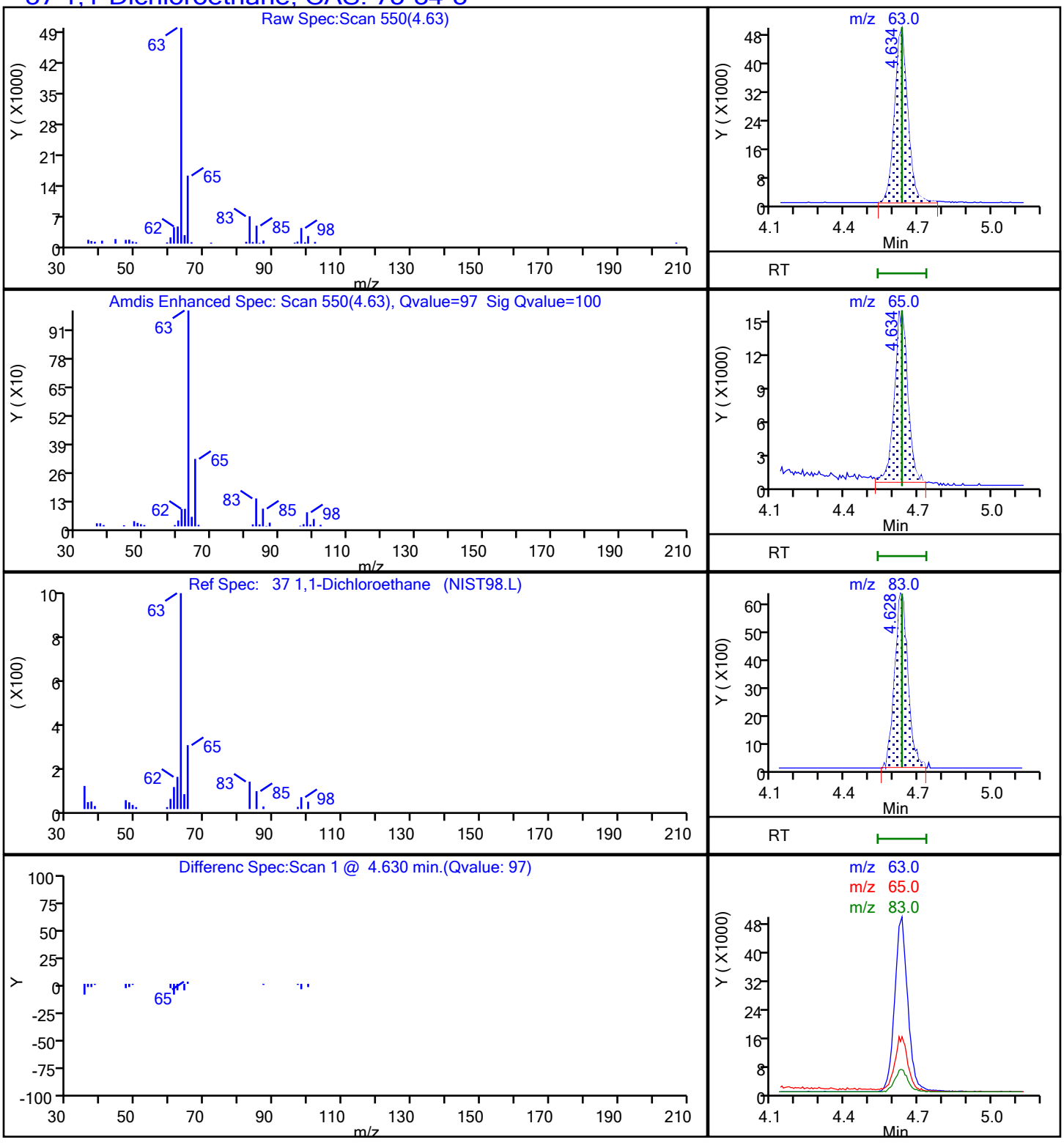
Report Date: 07-Aug-2025 09:16:01 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X17.D

Injection Date:	06-Aug-2025 16:37:30	Instrument ID:	10193		
Lims ID:	410-234898-D-5	Lab Sample ID:	410-234898-5		
Client ID:	16WDUP				
Operator ID:	ecr105096	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

37 1,1-Dichloroethane, CAS: 75-34-3



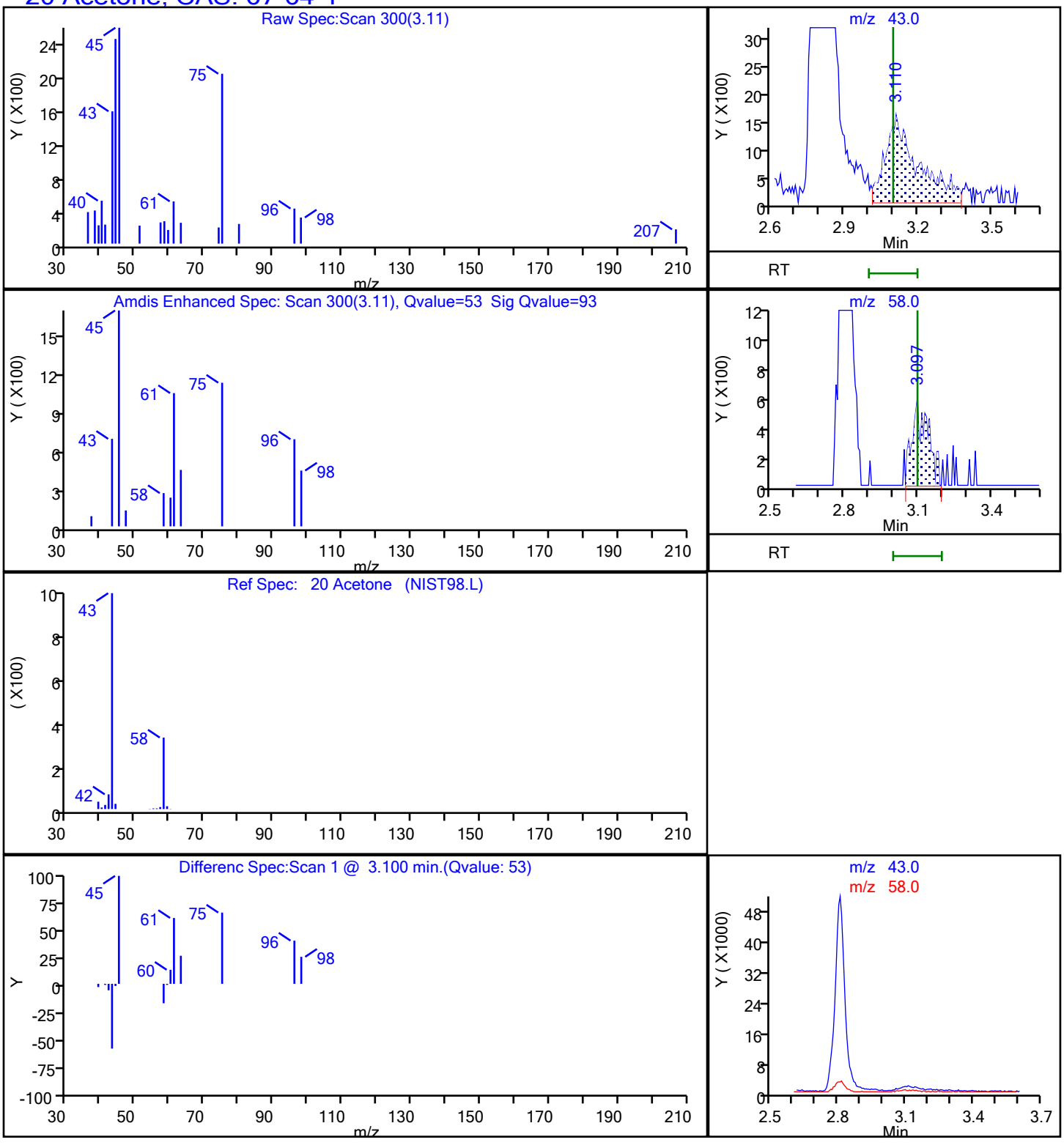
Report Date: 07-Aug-2025 09:16:01 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X17.D

Injection Date:	06-Aug-2025 16:37:30	Instrument ID:	10193		
Lims ID:	410-234898-D-5	Lab Sample ID:	410-234898-5		
Client ID:	16WDUP				
Operator ID:	ecr105096	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

20 Acetone, CAS: 67-64-1



Report Date: 07-Aug-2025 09:16:01 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X17.D

Injection Date: 06-Aug-2025 16:37:30 Instrument ID: 10193

Lims ID: 410-234898-D-5 Lab Sample ID: 410-234898-5

Client ID: 16WDUP

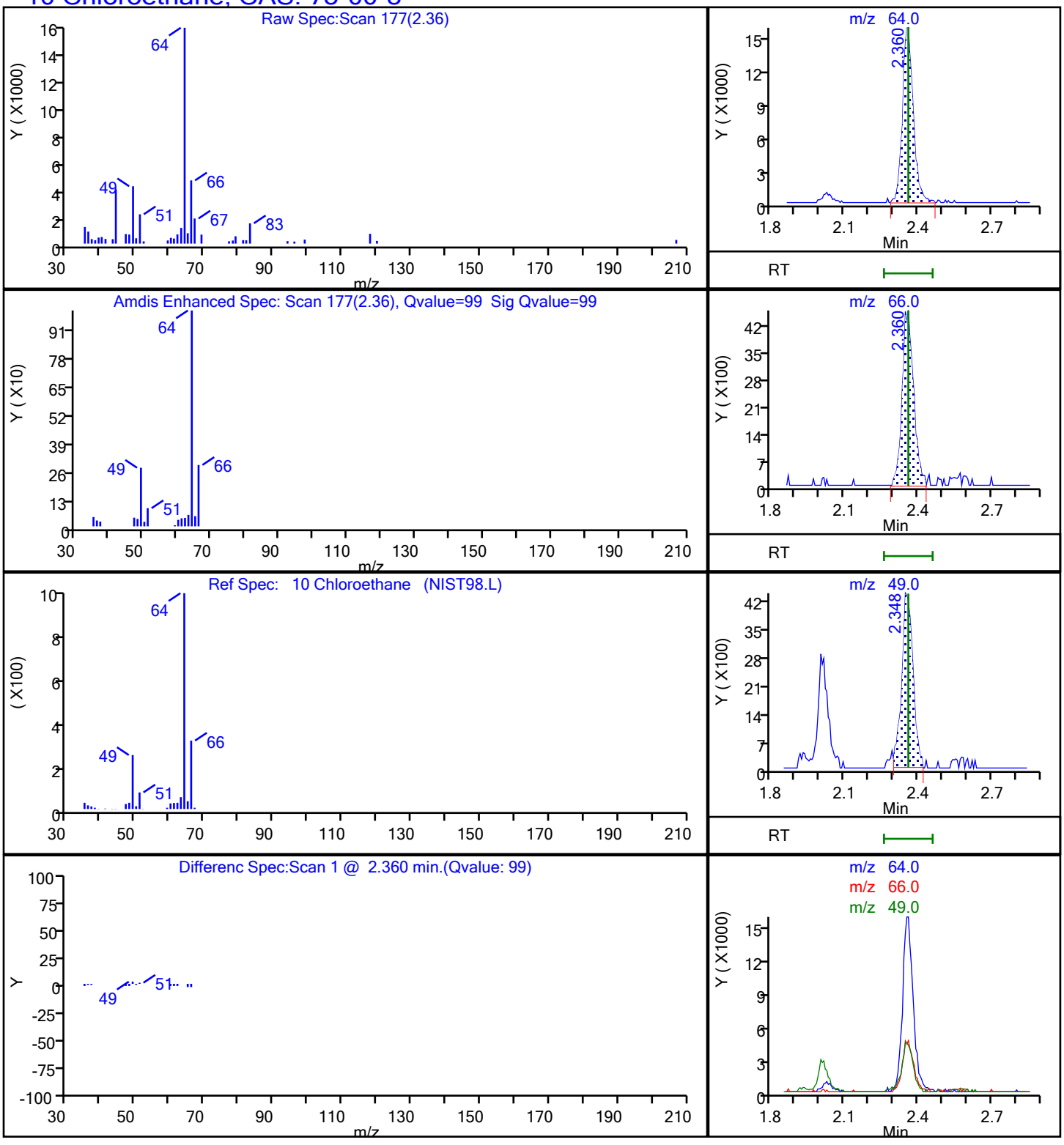
Operator ID: ecr105096 ALS Bottle#: 17 Worklist Smp#: 18

Purge Vol: 25.000 mL Dil. Factor: 1.0000

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

10 Chloroethane, CAS: 75-00-3



Report Date: 07-Aug-2025 09:16:01 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X17.D

Injection Date: 06-Aug-2025 16:37:30 Instrument ID: 10193

Lims ID: 410-234898-D-5 Lab Sample ID: 410-234898-5

Client ID: 16WDUP

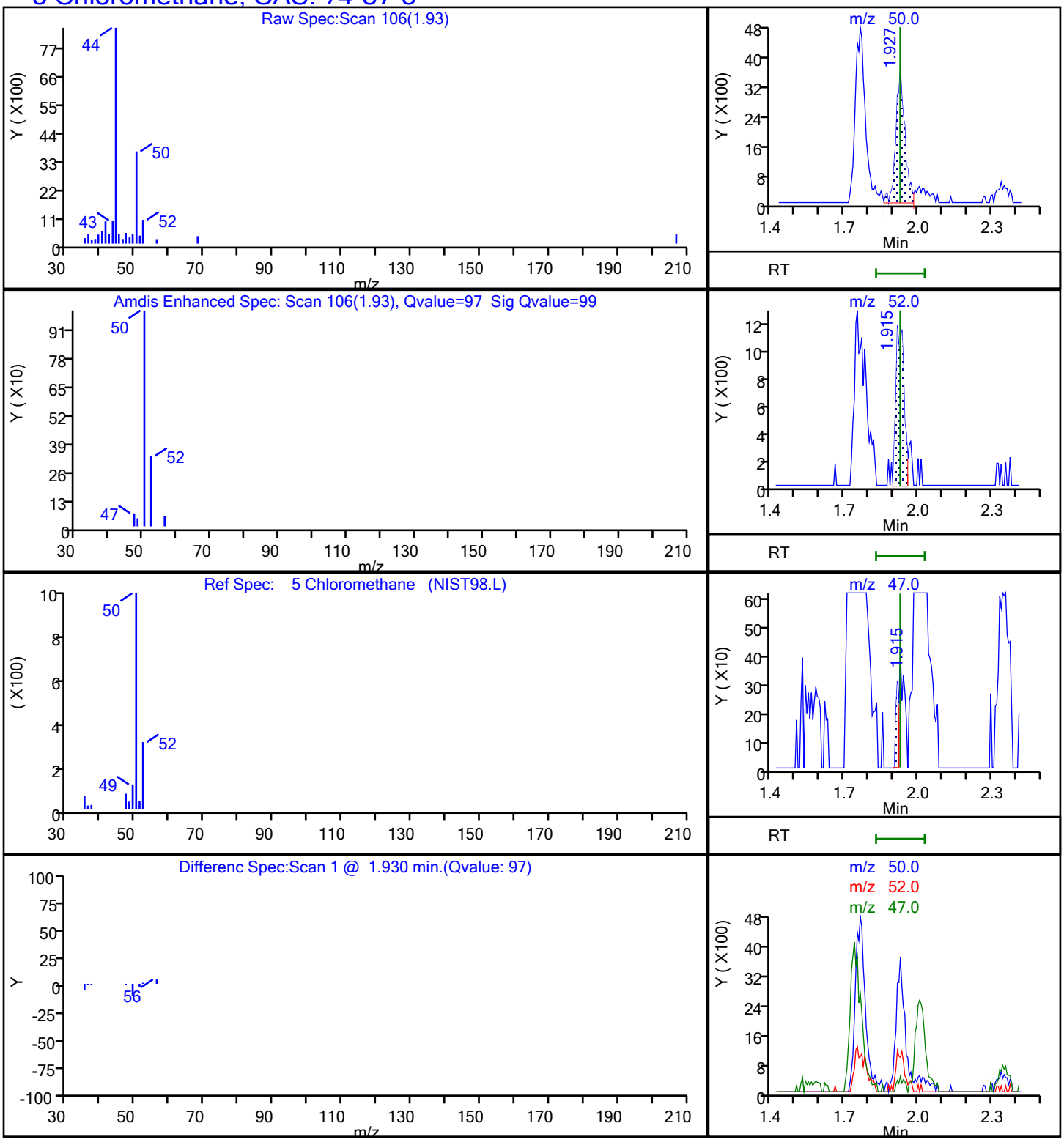
Operator ID: ecr105096 ALS Bottle#: 17 Worklist Smp#: 18

Purge Vol: 25.000 mL Dil. Factor: 1.0000

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

5 Chloromethane, CAS: 74-87-3



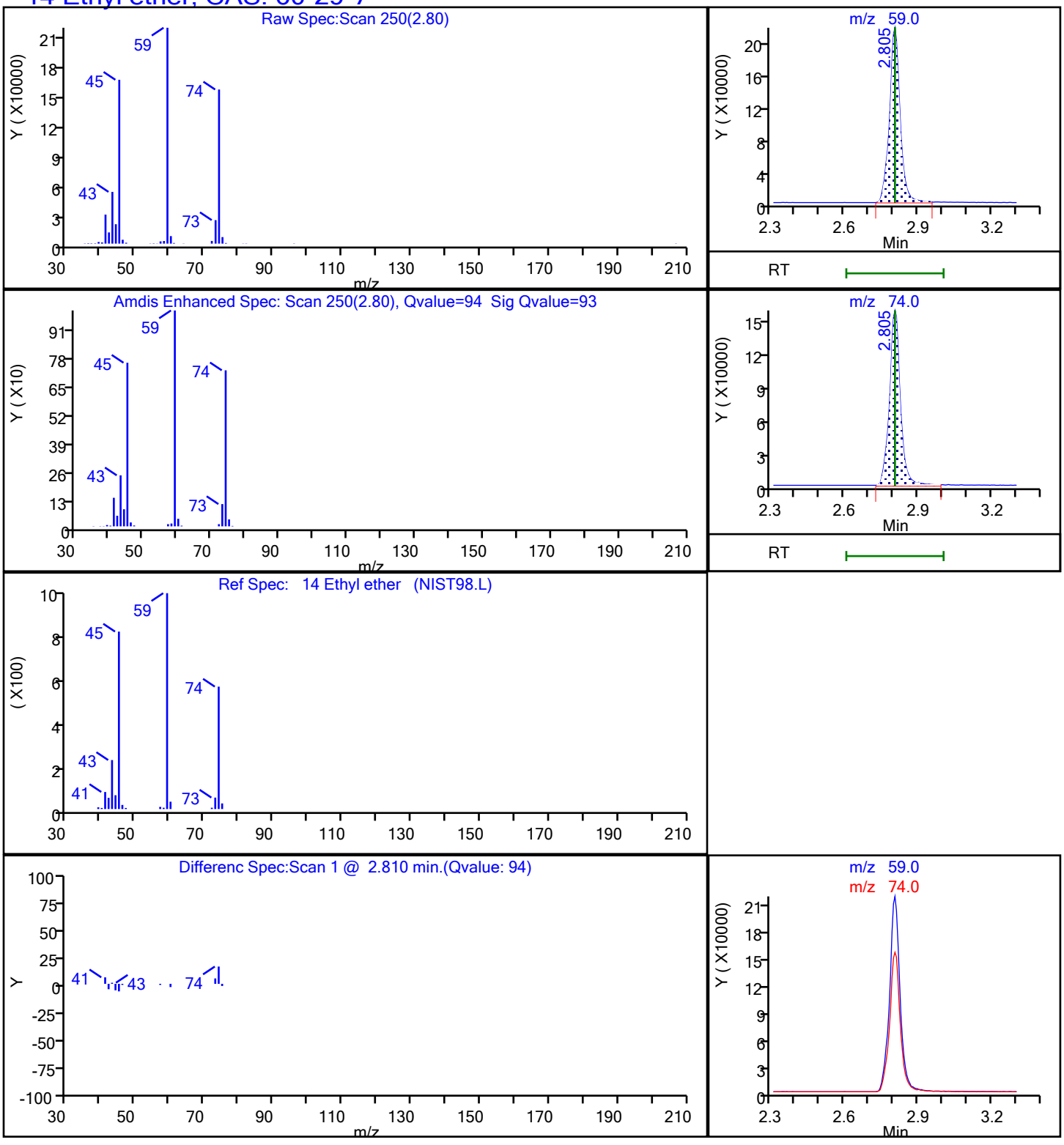
Report Date: 07-Aug-2025 09:16:01 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X17.D

Injection Date:	06-Aug-2025 16:37:30	Instrument ID:	10193		
Lims ID:	410-234898-D-5	Lab Sample ID:	410-234898-5		
Client ID:	16WDUP				
Operator ID:	ecr105096	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

14 Ethyl ether, CAS: 60-29-7



Report Date: 07-Aug-2025 09:16:01 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X17.D

Injection Date: 06-Aug-2025 16:37:30 Instrument ID: 10193

Lims ID: 410-234898-D-5 Lab Sample ID: 410-234898-5

Client ID: 16WDUP

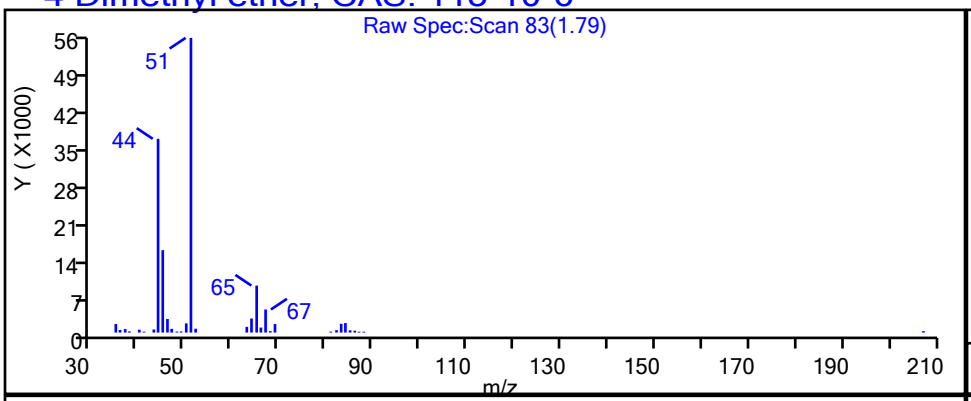
Operator ID: ecr105096 ALS Bottle#: 17 Worklist Smp#: 18

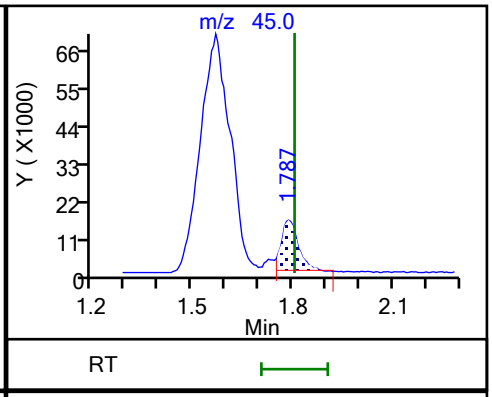
Purge Vol: 25.000 mL Dil. Factor: 1.0000

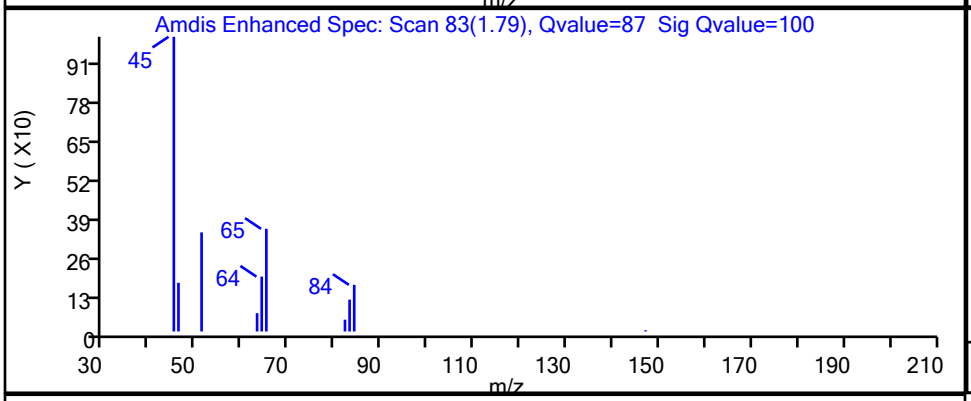
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

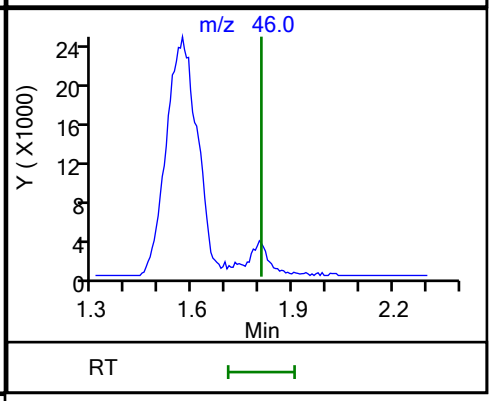
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

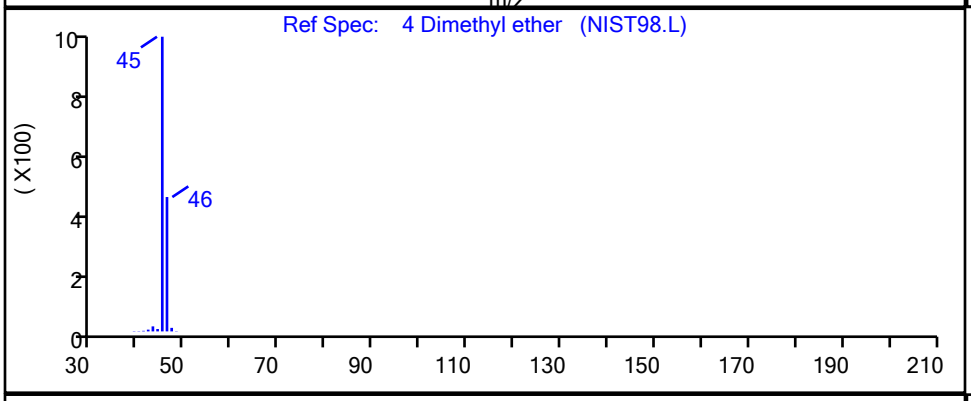
4 Dimethyl ether, CAS: 115-10-6

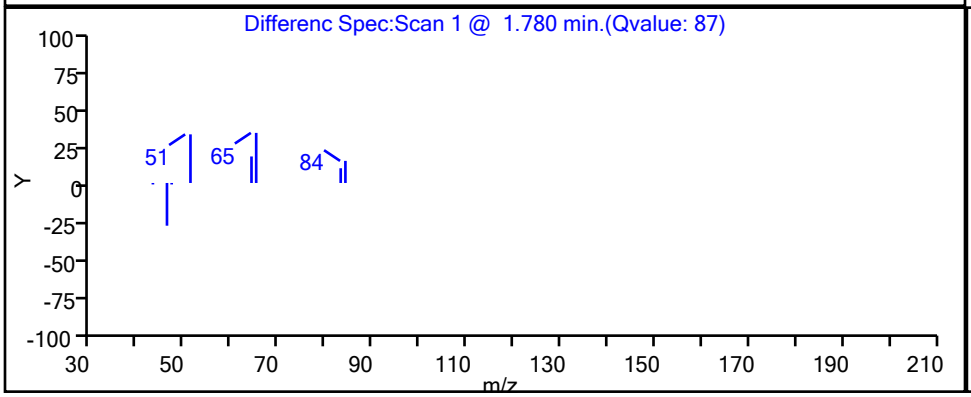


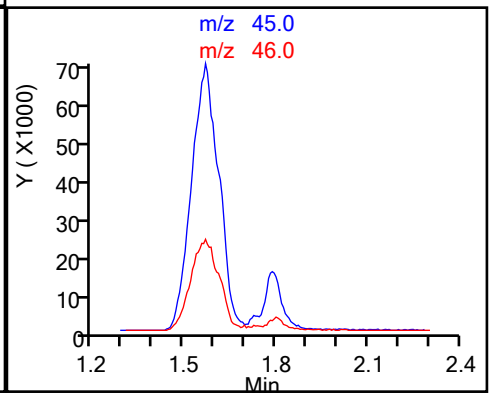












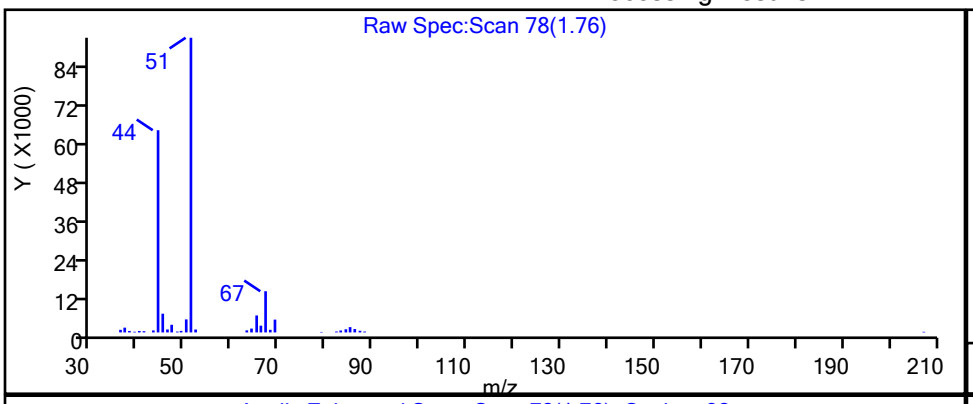
User Disabled Compound Report

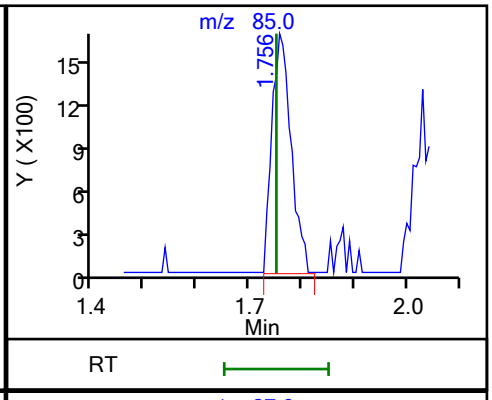
Eurofins Lancaster Laboratories Environment Testing, LLC

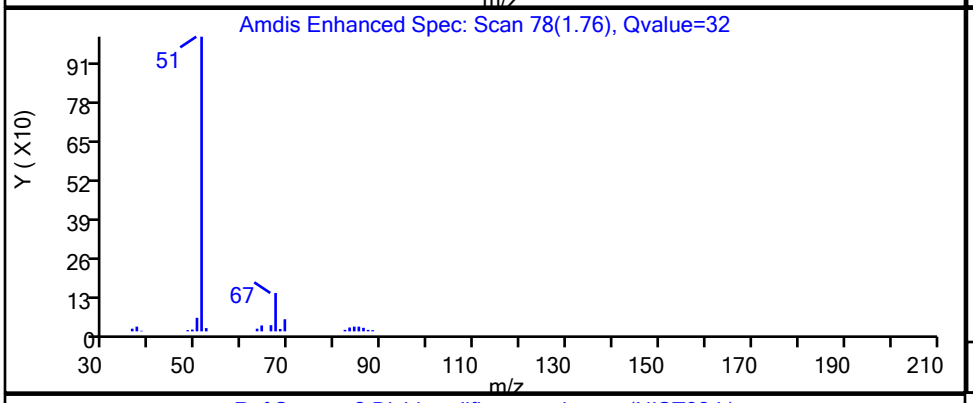
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X17.D				
Injection Date:	06-Aug-2025 16:37:30	Instrument ID:	10193		
Lims ID:	410-234898-D-5	Lab Sample ID:	410-234898-5		
Client ID:	16WDUP				
Operator ID:	ecr105096	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

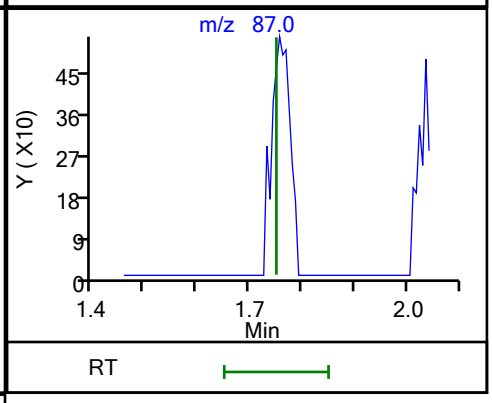
2 Dichlorodifluoromethane, CAS: 75-71-8

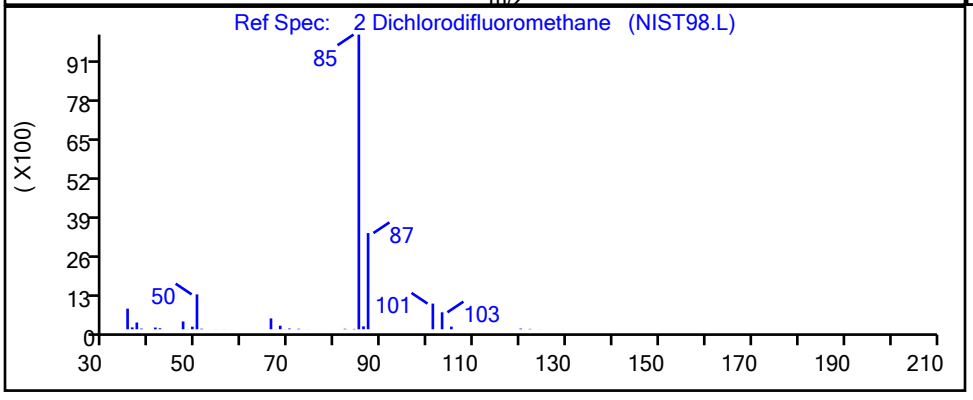
Processing Results











RT	Mass	Response	Amount
1.76	85.00	4239	0.080252
1.75	87.00	0	

Reviewer: FQ4L, 07-Aug-2025 09:15:07 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1B
Lab Sample ID: 410-234898-6

Matrix: Water
Lab File ID: CG06X18.D

Analysis Method: 8260D
Date Collected: 07/30/2025 09:45

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 16:59

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.00	0.300
71-55-6	1,1,1-Trichloroethane	ND		1.00	0.300
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.00	0.300
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.400
79-00-5	1,1,2-Trichloroethane	ND		1.00	0.300
75-34-3	1,1-Dichloroethane	ND		1.00	0.300
75-35-4	1,1-Dichloroethene	ND		1.00	0.300
96-18-4	1,2,3-Trichloropropane	ND		1.00	0.300
120-82-1	1,2,4-Trichlorobenzene	ND		1.00	0.600
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.00	0.400
106-93-4	1,2-Dibromoethane	ND		1.00	0.300
95-50-1	1,2-Dichlorobenzene	ND		1.00	0.400
107-06-2	1,2-Dichloroethane	ND		1.00	0.300
78-87-5	1,2-Dichloropropane	ND		1.00	0.400
541-73-1	1,3-Dichlorobenzene	ND		1.00	0.400
142-28-9	1,3-Dichloropropane	ND		1.00	0.400
106-46-7	1,4-Dichlorobenzene	ND		1.00	0.400
123-91-1	1,4-Dioxane	ND		200	45.5
78-93-3	2-Butanone	ND	cn	10.0	1.70
591-78-6	2-Hexanone	ND	cn	10.0	2.00
108-10-1	4-Methyl-2-pentanone	ND	cn	10.0	2.00
67-64-1	Acetone	ND		10.0	2.00
75-05-8	Acetonitrile	ND		100	31.6
107-13-1	Acrylonitrile	ND		10.0	1.10
107-05-1	Allyl chloride	ND		10.0	1.00
71-43-2	Benzene	ND		1.00	0.300
75-27-4	Bromodichloromethane	ND		1.00	0.300
75-25-2	Bromoform	ND		1.00	0.400
74-83-9	Bromomethane	ND		1.00	0.542
75-15-0	Carbon disulfide	ND		10.0	0.400
56-23-5	Carbon tetrachloride	ND		1.00	0.300

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1B
Lab Sample ID: 410-234898-6

Matrix: Water
Lab File ID: CG06X18.D

Analysis Method: 8260D
Date Collected: 07/30/2025 09:45

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 16:59

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	ND		1.00	0.100
67-66-3	Chloroform	ND		1.00	0.300
74-87-3	Chloromethane	ND		1.00	0.100
126-99-8	Chloroprene	ND		10.0	0.460
124-48-1	Dibromochloromethane	ND		1.00	0.400
74-95-3	Dibromomethane	ND		1.00	0.300
75-71-8	Dichlorodifluoromethane	ND		1.00	0.400
60-29-7	Diethyl ether	ND		10.0	1.11
97-63-2	Ethyl methacrylate	ND		10.0	0.810
100-41-4	Ethylbenzene	ND		1.00	0.300
87-68-3	Hexachlorobutadiene	ND		1.00	0.400
78-83-1	Isobutyl alcohol	ND		200	11.6
179601-23-1	m&p-Xylene	ND		2.00	0.400
126-98-7	Methacrylonitrile	ND	cn	100	9.75
74-88-4	Methyl iodide	ND		10.0	0.580
80-62-6	Methyl methacrylate	ND		10.0	3.58
75-09-2	Methylene Chloride	ND		1.00	0.700
91-20-3	Naphthalene	ND		1.00	0.400
95-47-6	o-Xylene	ND		1.00	0.400
76-01-7	Pentachloroethane	ND		10.0	1.70
107-12-0	Propionitrile	ND	cn	100	10.2
100-42-5	Styrene	ND		1.00	0.300
127-18-4	Tetrachloroethene	ND		1.00	0.300
109-99-9	Tetrahydrofuran	ND	cn	25.0	2.00
108-88-3	Toluene	ND		1.00	0.300
156-60-5	trans-1,2-Dichloroethene	ND		1.00	0.300
10061-02-6	trans-1,3-Dichloropropene	ND		1.00	0.400
79-01-6	Trichloroethene	ND		1.00	0.300
75-69-4	Trichlorofluoromethane	ND		1.00	0.400
108-05-4	Vinyl acetate	ND		10.0	3.29
75-01-4	Vinyl chloride	ND		1.00	0.200
1330-20-7	Xylenes, Total	ND		3.00	0.400

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1B Lab Sample ID: 410-234898-6

Matrix: Water Lab File ID: CG06X18.D

Analysis Method: 8260D Date Collected: 07/30/2025 09:45

Sample wt/vol: 25(mL) Date Analyzed: 08/06/2025 16:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 681517 Units: ug/L

Preparation Batch No.: Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
115-10-6	Dimethyl ether	ND		0.500	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	111		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-120
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X18.D
Lims ID: 410-234898-D-6
Client ID: 16WC1B
Sample Type: Client
Inject. Date: 06-Aug-2025 16:59:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-019
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 09:14:55 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:14:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.750				ND	
4 Dimethyl ether	45		1.805				ND	U
5 Chloromethane	50		1.927				ND	U
6 Vinyl chloride	62		2.031				ND	
9 Bromomethane	94		2.329				ND	7
10 Chloroethane	64		2.360				ND	7
12 Trichlorofluoromethane	101		2.658				ND	
14 Ethyl ether	59	2.823	2.805	0.018	92	16611	0.4998	
18 1,1-Dichloroethene	96		3.073				ND	
20 Acetone	43		3.097				ND	U
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.128				ND	
22 Iodomethane	142		3.238				ND	7
25 Carbon disulfide	76		3.329				ND	7
27 Acetonitrile	41		3.451				ND	
29 3-Chloro-1-propene	41		3.475				ND	
30 Methylene Chloride	84		3.640				ND	
* 31 t-Butyl alcohol-d10 (IS)	65	3.676	3.640	0.036	96	125185	50.0	
33 Acrylonitrile	53		3.939				ND	
35 trans-1,2-Dichloroethene	96		3.987				ND	
37 1,1-Dichloroethane	63	4.652	4.634	0.018	1	2473	0.0320	
38 Vinyl acetate	43		4.640				ND	
40 2-Chloro-1,3-butadiene	53		4.743				ND	
42 2-Butanone (MEK)	43		5.463				ND	7
45 Propionitrile	54		5.554				ND	
47 Methacrylonitrile	67		5.780				ND	
49 Tetrahydrofuran	71		5.835				ND	7
50 Chloroform	83		5.993				ND	
53 1,1,1-Trichloroethane	97		6.213				ND	
$ 54 Dibromofluoromethane (Surr)	113	6.219	6.213	0.006	94	421600	11.1	
56 Carbon tetrachloride	117		6.426				ND	
58 Isobutyl alcohol	41		6.639				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.682	6.676	0.006	98	84053	10.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
60 Benzene	78		6.700				ND	
61 1,2-Dichloroethane	62		6.780				ND	
* 65 Fluorobenzene (IS)	96	7.133	7.127	0.006	99	1615719	10.0	
68 Trichloroethene	95		7.615				ND	
70 1,2-Dichloropropane	63		7.956				ND	
74 1,4-Dioxane	88		8.066				ND	
72 Dibromomethane	93		8.072				ND	
73 Methyl methacrylate	69		8.072				ND	
76 Dichlorobromomethane	83		8.316				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.102				ND	
$ 83 Toluene-d8 (Surr)	98	9.236	9.230	0.006	94	1660760	9.32	
84 Toluene	92	9.322	9.316	0.006	97	14484	0.1099	
85 trans-1,3-Dichloropropene	75		9.614				ND	
86 Ethyl methacrylate	69		9.700				ND	
87 1,1,2-Trichloroethane	97		9.834				ND	
88 Tetrachloroethene	166		9.913				ND	7
89 1,3-Dichloropropane	76		10.005				ND	
106 2-Hexanone	43		10.078				ND	
108 Chlorodibromomethane	129		10.230				ND	
110 Ethylene Dibromide	107		10.340				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1356611	10.0	
114 1,1,1,2-Tetrachloroethane	131		10.925				ND	
115 Ethylbenzene	91		10.925				ND	7
116 m-Xylene & p-Xylene	106		11.053				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.395				ND	7
119 Styrene	104		11.413				ND	
120 Bromoform	173		11.565				ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	94	626503	9.31	
126 1,1,2,2-Tetrachloroethane	83		11.968				ND	
128 1,2,3-Trichloropropane	110		12.010				ND	
134 Pentachloroethane	167		12.468				ND	
137 1,3-Dichlorobenzene	146		12.705				ND	7
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	741447	10.0	
140 1,4-Dichlorobenzene	146		12.778				ND	7
144 1,2-Dichlorobenzene	146		13.047				ND	
148 1,2-Dibromo-3-Chloropropane	155		13.601				ND	
150 1,2,4-Trichlorobenzene	180		14.162				ND	
151 Hexachlorobutadiene	225		14.248				ND	
152 Naphthalene	128		14.345				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP25_ISSS_00117 Amount Added: 1.00 Units: uL Run Reagent

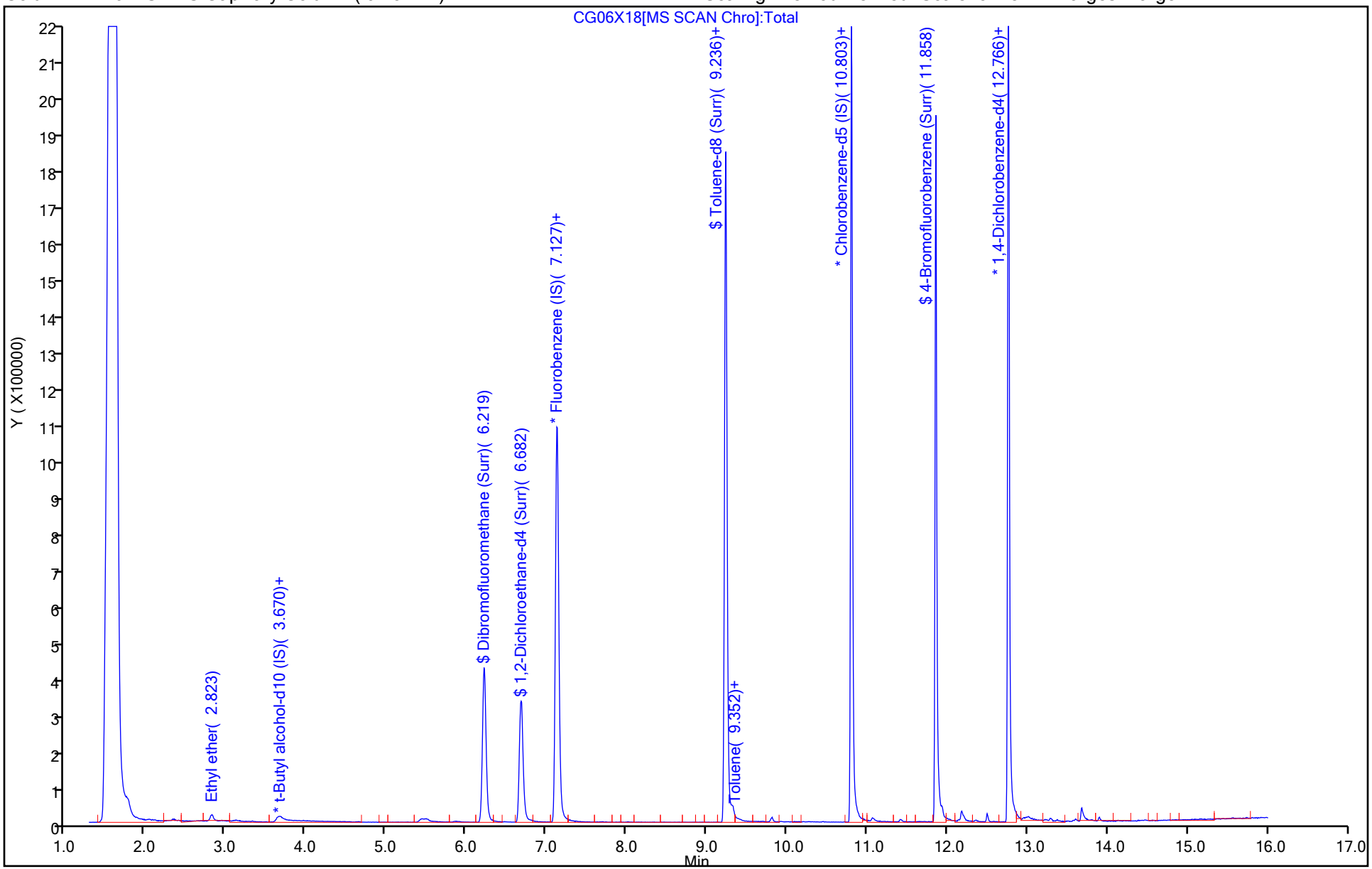
Report Date: 07-Aug-2025 09:14:56 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X18.D

Injection Date:	06-Aug-2025 16:59:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	410-234898-D-6	Lab Sample ID:	410-234898-6	Worklist Smp#:	19
Client ID:	16WC1B				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X18.D				
Lims ID:	410-234898-D-6				
Client ID:	16WC1B				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 16:59:30	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-019				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Aug-2025 09:14:55	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:14:55

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.1	110.58
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.7	106.83
$ 83 Toluene-d8 (Surr)	10.0	9.32	93.21
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.31	93.11

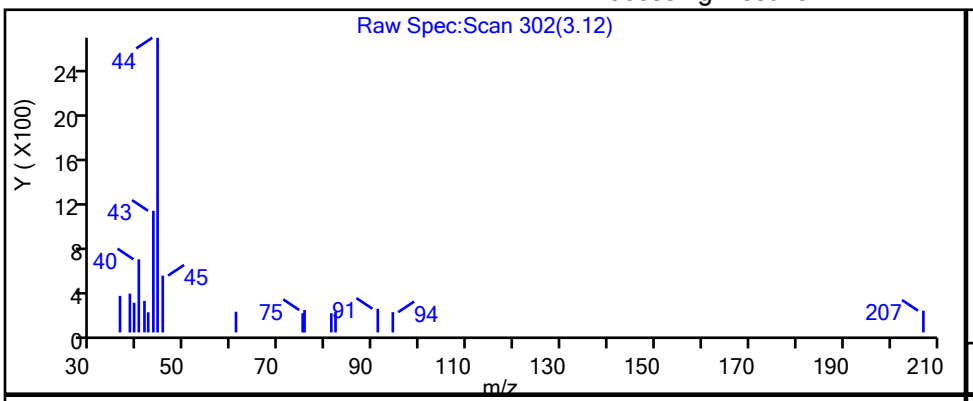
User Disabled Compound Report

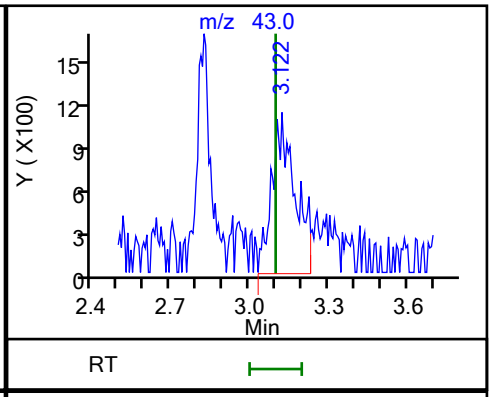
Eurofins Lancaster Laboratories Environment Testing, LLC

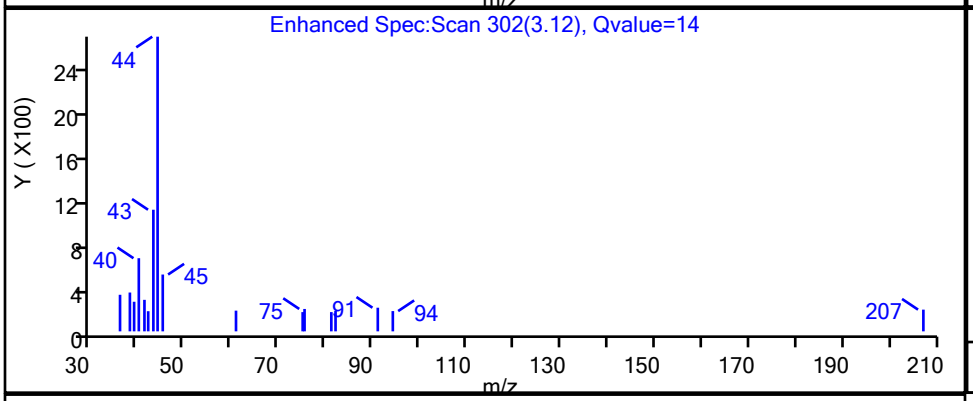
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X18.D				
Injection Date:	06-Aug-2025 16:59:30	Instrument ID:	10193		
Lims ID:	410-234898-D-6	Lab Sample ID:	410-234898-6		
Client ID:	16WC1B				
Operator ID:	ecr105096	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

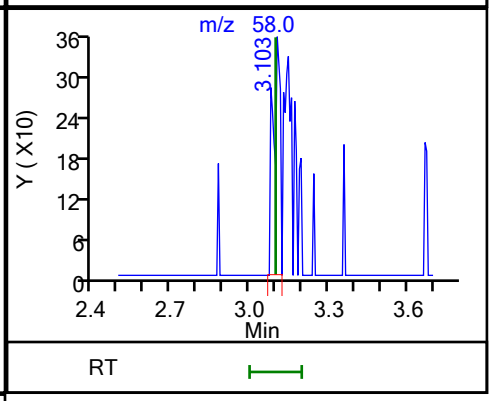
20 Acetone, CAS: 67-64-1

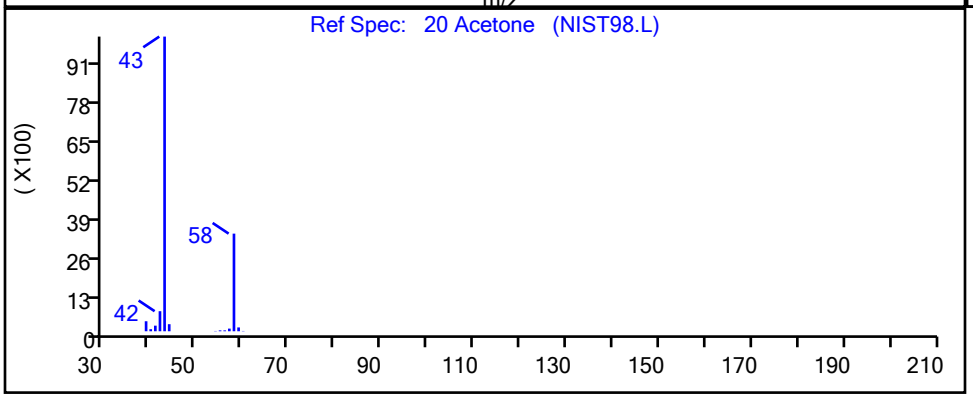
Processing Results











RT	Mass	Response	Amount
3.12	43.00	6578	1.110806
3.10	58.00	665	

Reviewer: FQ4L, 07-Aug-2025 09:14:28 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

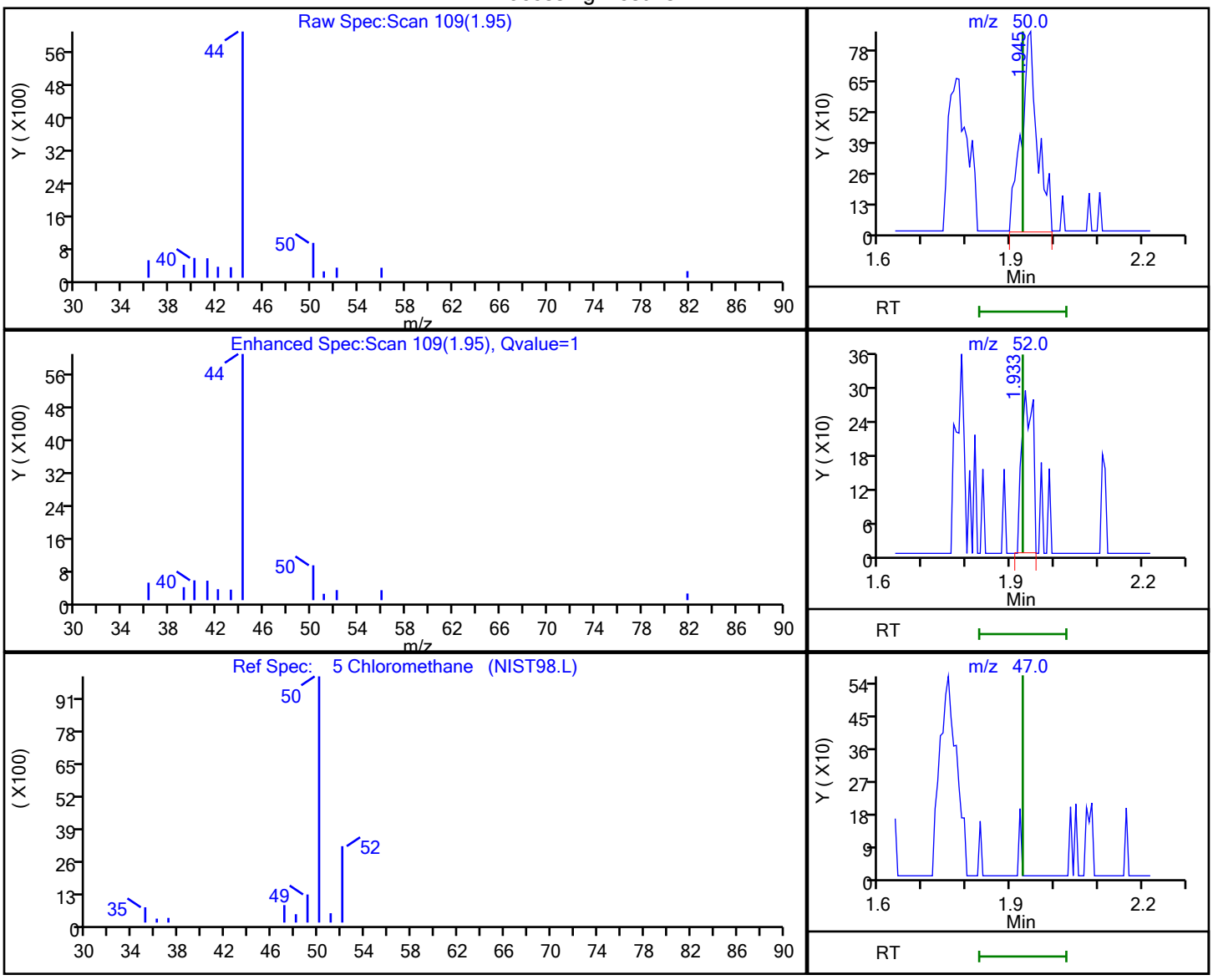
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X18.D				
Injection Date:	06-Aug-2025 16:59:30	Instrument ID:	10193		
Lims ID:	410-234898-D-6	Lab Sample ID:	410-234898-6		
Client ID:	16WC1B				
Operator ID:	ecr105096	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

5 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.95	50.00	2203	0.035305
1.93	52.00	521	
1.93	47.00	0	

Reviewer: FQ4L, 07-Aug-2025 09:14:21 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

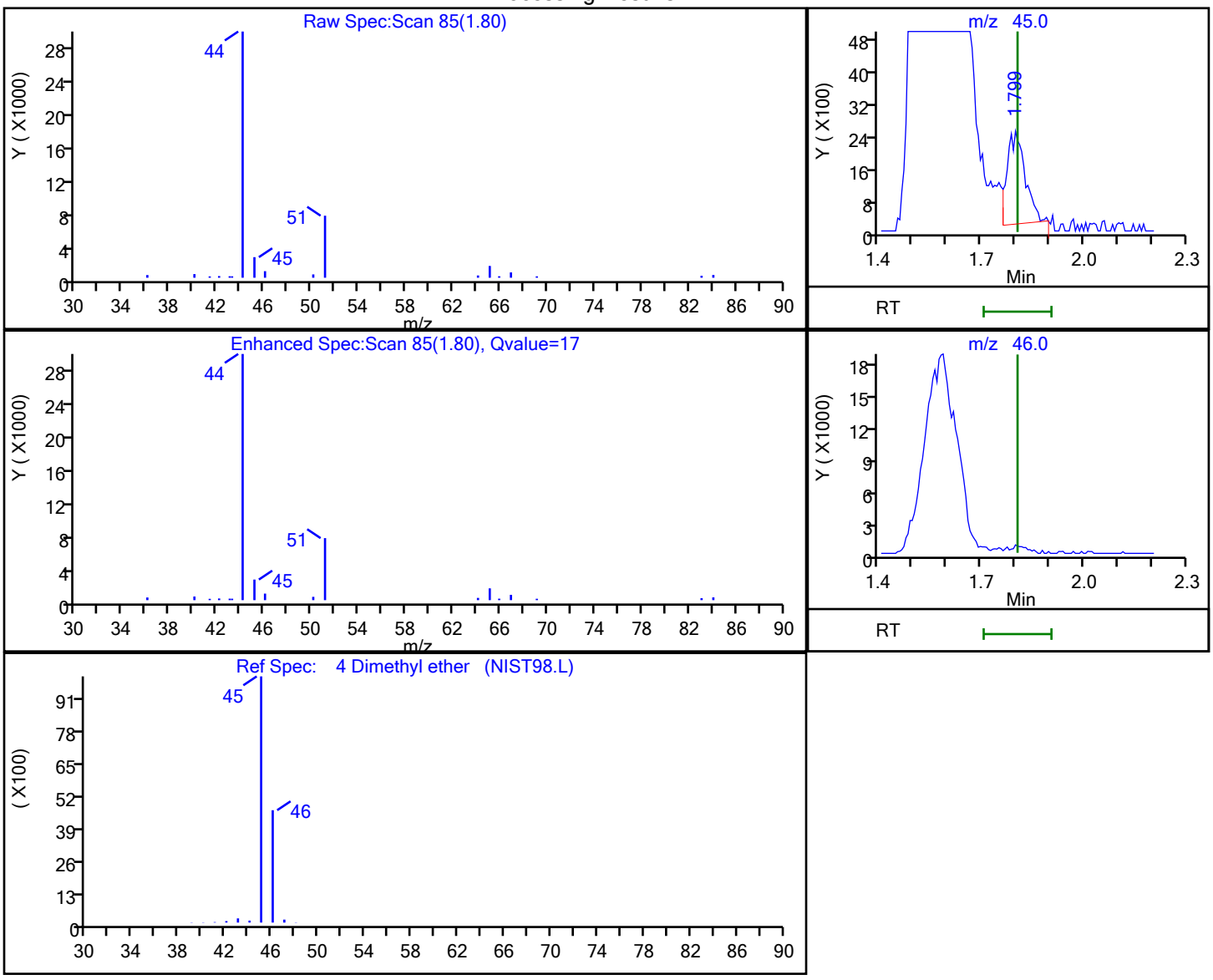
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X18.D				
Injection Date:	06-Aug-2025 16:59:30	Instrument ID:	10193		
Lims ID:	410-234898-D-6	Lab Sample ID:	410-234898-6		
Client ID:	16WC1B				
Operator ID:	ecr105096	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

4 Dimethyl ether, CAS: 115-10-6

Processing Results



RT	Mass	Response	Amount
1.80	45.00	8447	0.116170
1.80	46.00	0	

Reviewer: FQ4L, 07-Aug-2025 09:14:18 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: Trip Blank 1
Lab Sample ID: 410-234898-12

Matrix: Water
Lab File ID: CG06X08.D

Analysis Method: 8260D
Date Collected: 07/29/2025 00:00

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 13:16

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.00	0.300
71-55-6	1,1,1-Trichloroethane	ND		1.00	0.300
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.00	0.300
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.400
79-00-5	1,1,2-Trichloroethane	ND		1.00	0.300
75-34-3	1,1-Dichloroethane	ND		1.00	0.300
75-35-4	1,1-Dichloroethene	ND		1.00	0.300
96-18-4	1,2,3-Trichloropropane	ND		1.00	0.300
120-82-1	1,2,4-Trichlorobenzene	ND		1.00	0.600
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.00	0.400
106-93-4	1,2-Dibromoethane	ND		1.00	0.300
95-50-1	1,2-Dichlorobenzene	ND		1.00	0.400
107-06-2	1,2-Dichloroethane	ND		1.00	0.300
78-87-5	1,2-Dichloropropane	ND		1.00	0.400
541-73-1	1,3-Dichlorobenzene	ND		1.00	0.400
142-28-9	1,3-Dichloropropane	ND		1.00	0.400
106-46-7	1,4-Dichlorobenzene	ND		1.00	0.400
123-91-1	1,4-Dioxane	ND		200	45.5
78-93-3	2-Butanone	ND	cn	10.0	1.70
591-78-6	2-Hexanone	ND	cn	10.0	2.00
108-10-1	4-Methyl-2-pentanone	ND	cn	10.0	2.00
67-64-1	Acetone	3.65	J	10.0	2.00
75-05-8	Acetonitrile	ND		100	31.6
107-13-1	Acrylonitrile	ND		10.0	1.10
107-05-1	Allyl chloride	ND		10.0	1.00
71-43-2	Benzene	ND		1.00	0.300
75-27-4	Bromodichloromethane	ND		1.00	0.300
75-25-2	Bromoform	ND		1.00	0.400
74-83-9	Bromomethane	ND		1.00	0.542
75-15-0	Carbon disulfide	ND		10.0	0.400
56-23-5	Carbon tetrachloride	ND		1.00	0.300

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Client Sample ID: Trip Blank 1 Lab Sample ID: 410-234898-12

Matrix: Water Lab File ID: CG06X08.D

Analysis Method: 8260D Date Collected: 07/29/2025 00:00

Sample wt/vol: 25(mL) Date Analyzed: 08/06/2025 13:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 681517 Units: ug/L

Preparation Batch No.: Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	ND		1.00	0.100
67-66-3	Chloroform	ND		1.00	0.300
74-87-3	Chloromethane	ND		1.00	0.100
126-99-8	Chloroprene	ND		10.0	0.460
124-48-1	Dibromochloromethane	ND		1.00	0.400
74-95-3	Dibromomethane	ND		1.00	0.300
75-71-8	Dichlorodifluoromethane	ND		1.00	0.400
60-29-7	Diethyl ether	ND		10.0	1.11
97-63-2	Ethyl methacrylate	ND		10.0	0.810
100-41-4	Ethylbenzene	ND		1.00	0.300
87-68-3	Hexachlorobutadiene	ND		1.00	0.400
78-83-1	Isobutyl alcohol	ND		200	11.6
179601-23-1	m&p-Xylene	ND		2.00	0.400
126-98-7	Methacrylonitrile	ND	cn	100	9.75
74-88-4	Methyl iodide	ND		10.0	0.580
80-62-6	Methyl methacrylate	ND		10.0	3.58
75-09-2	Methylene Chloride	ND		1.00	0.700
91-20-3	Naphthalene	ND		1.00	0.400
95-47-6	o-Xylene	ND		1.00	0.400
76-01-7	Pentachloroethane	ND		10.0	1.70
107-12-0	Propionitrile	ND	cn	100	10.2
100-42-5	Styrene	ND		1.00	0.300
127-18-4	Tetrachloroethene	ND		1.00	0.300
109-99-9	Tetrahydrofuran	ND	cn	25.0	2.00
108-88-3	Toluene	ND		1.00	0.300
156-60-5	trans-1,2-Dichloroethene	ND		1.00	0.300
10061-02-6	trans-1,3-Dichloropropene	ND		1.00	0.400
79-01-6	Trichloroethene	ND		1.00	0.300
75-69-4	Trichlorofluoromethane	ND		1.00	0.400
108-05-4	Vinyl acetate	ND		10.0	3.29
75-01-4	Vinyl chloride	ND		1.00	0.200
1330-20-7	Xylenes, Total	ND		3.00	0.400

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: Trip Blank 1
Lab Sample ID: 410-234898-12

Matrix: Water
Lab File ID: CG06X08.D

Analysis Method: 8260D
Date Collected: 07/29/2025 00:00

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 13:16

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
115-10-6	Dimethyl ether	ND		0.500	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	109		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		80-120
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X08.D
Lims ID: 410-234898-B-12
Client ID: Trip Blank 1
Sample Type: Client
Inject. Date: 06-Aug-2025 13:16:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-009
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 18:41:53 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:58:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.750				ND	
4 Dimethyl ether	45		1.805				ND	
5 Chloromethane	50		1.927				ND	7
6 Vinyl chloride	62		2.031				ND	
9 Bromomethane	94		2.329				ND	7
10 Chloroethane	64		2.360				ND	
12 Trichlorofluoromethane	101		2.658				ND	
14 Ethyl ether	59		2.805				ND	
18 1,1-Dichloroethene	96		3.073				ND	
20 Acetone	43	3.122	3.097	0.025	96	21092	3.65	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.128				ND	
22 Iodomethane	142		3.238				ND	
25 Carbon disulfide	76		3.329				ND	7
27 Acetonitrile	41		3.451				ND	7
29 3-Chloro-1-propene	41		3.475				ND	
30 Methylene Chloride	84		3.640				ND	
* 31 t-Butyl alcohol-d10 (IS)	65	3.670	3.640	0.030	94	122036	50.0	
33 Acrylonitrile	53		3.939				ND	
35 trans-1,2-Dichloroethene	96		3.987				ND	
37 1,1-Dichloroethane	63		4.634				ND	
38 Vinyl acetate	43		4.640				ND	
40 2-Chloro-1,3-butadiene	53		4.743				ND	
42 2-Butanone (MEK)	43		5.463				ND	7
45 Propionitrile	54		5.554				ND	
47 Methacrylonitrile	67		5.780				ND	
49 Tetrahydrofuran	71		5.835				ND	
50 Chloroform	83		5.993				ND	
53 1,1,1-Trichloroethane	97		6.213				ND	
$ 54 Dibromofluoromethane (Surr)	113	6.207	6.213	-0.007	94	432649	10.9	
56 Carbon tetrachloride	117		6.426				ND	
58 Isobutyl alcohol	41		6.639				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.676	6.676	0.000	99	85974	10.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
60 Benzene	78		6.700				ND	
61 1,2-Dichloroethane	62		6.780				ND	
* 65 Fluorobenzene (IS)	96	7.121	7.127	-0.006	99	1684240	10.0	
68 Trichloroethene	95		7.615				ND	
70 1,2-Dichloropropane	63		7.956				ND	
74 1,4-Dioxane	88		8.066				ND	
72 Dibromomethane	93		8.072				ND	
73 Methyl methacrylate	69		8.072				ND	
76 Dichlorobromomethane	83		8.316				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.102				ND	7
$ 83 Toluene-d8 (Surr)	98	9.230	9.230	0.000	93	1715623	9.32	
84 Toluene	92		9.316				ND	7
85 trans-1,3-Dichloropropene	75		9.614				ND	
86 Ethyl methacrylate	69		9.700				ND	
87 1,1,2-Trichloroethane	97		9.834				ND	
88 Tetrachloroethene	166		9.913				ND	
89 1,3-Dichloropropane	76		10.005				ND	
106 2-Hexanone	43		10.078				ND	
108 Chlorodibromomethane	129		10.230				ND	
110 Ethylene Dibromide	107		10.340				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	86	1401172	10.0	
114 1,1,1,2-Tetrachloroethane	131		10.925				ND	
115 Ethylbenzene	91		10.925				ND	7
116 m-Xylene & p-Xylene	106	11.065	11.053	0.012	97	5579	0.0531	
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.395				ND	7
119 Styrene	104		11.413				ND	7
120 Bromoform	173		11.565				ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	93	637711	9.18	
126 1,1,2,2-Tetrachloroethane	83		11.968				ND	
128 1,2,3-Trichloropropane	110		12.010				ND	
134 Pentachloroethane	167		12.468				ND	
137 1,3-Dichlorobenzene	146		12.705				ND	7
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	744799	10.0	
140 1,4-Dichlorobenzene	146		12.778				ND	7
144 1,2-Dichlorobenzene	146		13.047				ND	
148 1,2-Dibromo-3-Chloropropane	155		13.601				ND	
150 1,2,4-Trichlorobenzene	180		14.162				ND	
151 Hexachlorobutadiene	225		14.248				ND	
152 Naphthalene	128		14.345				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP25_ISSS_00117 Amount Added: 1.00 Units: uL Run Reagent

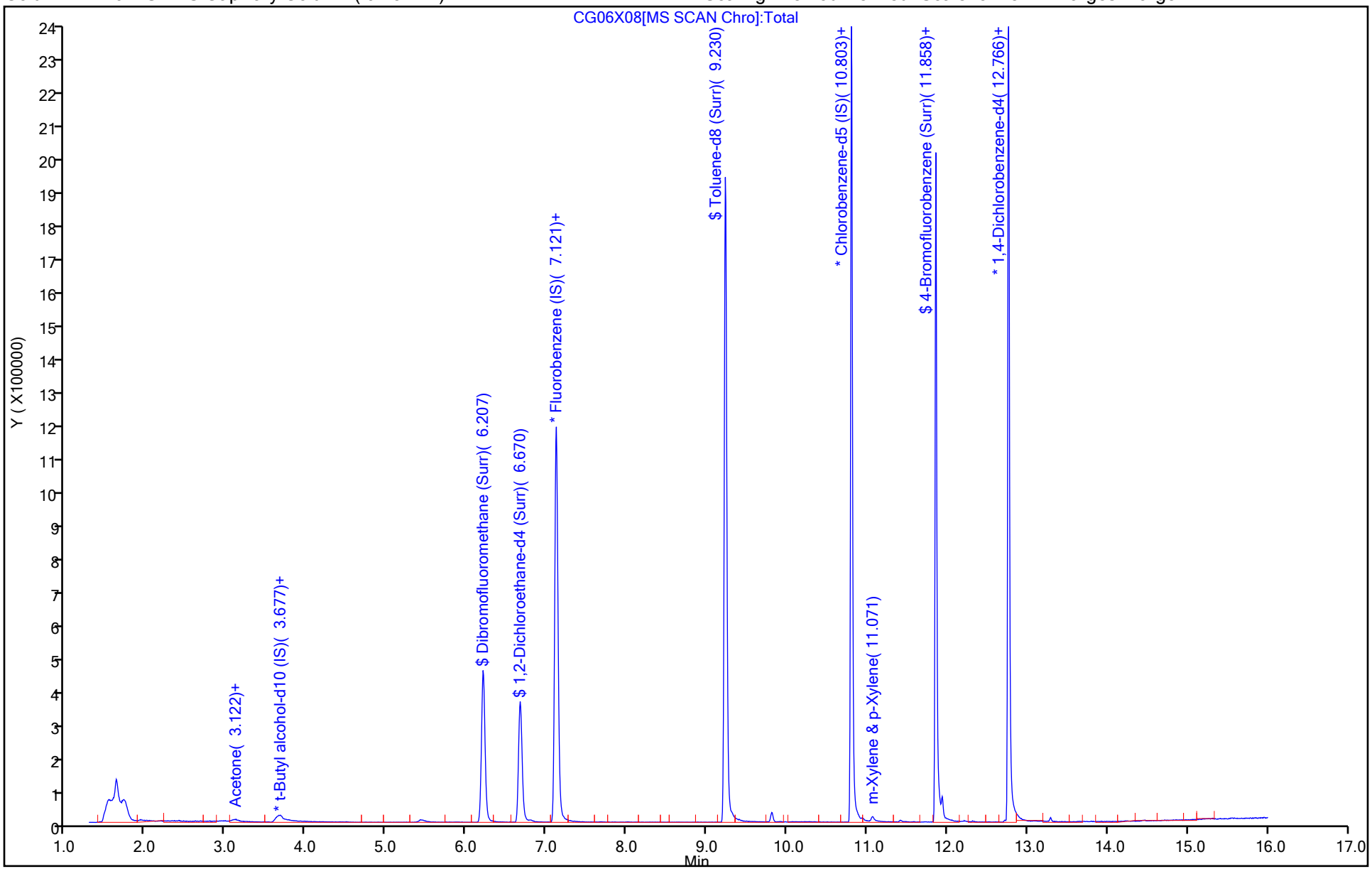
Report Date: 07-Aug-2025 08:58:13 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X08.D

Injection Date:	06-Aug-2025 13:16:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	410-234898-B-12	Lab Sample ID:	410-234898-12	Worklist Smp#:	9
Client ID:	Trip Blank 1				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X08.D				
Lims ID:	410-234898-B-12				
Client ID:	Trip Blank 1				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 13:16:30	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-009				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	06-Aug-2025 18:41:53	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:58:12

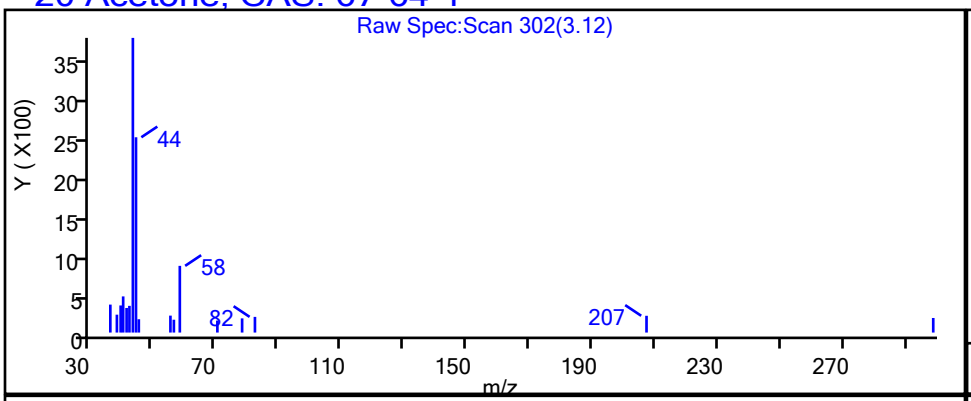
Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	10.9	108.86
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.5	104.82
$ 83 Toluene-d8 (Surr)	10.0	9.32	93.22
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.18	91.77

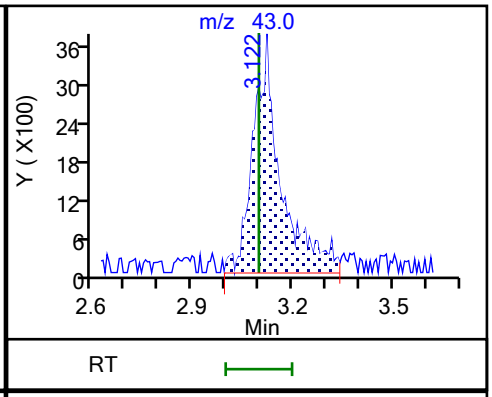
Report Date: 07-Aug-2025 08:58:13 Chrom Revision: 2.3 25-Jul-2025 13:52:40

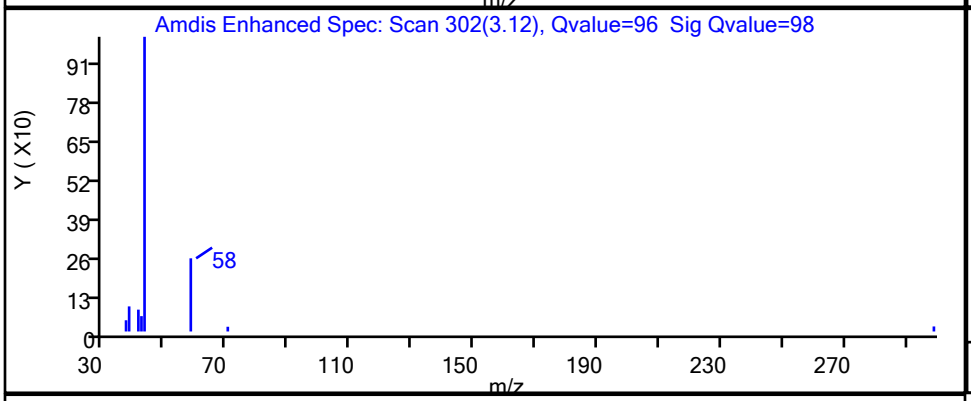
Eurofins Lancaster Laboratories Environment Testing, LLC

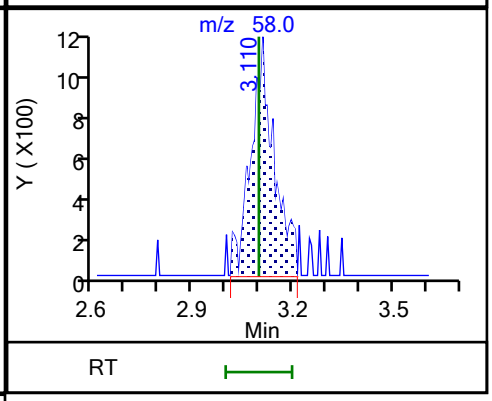
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X08.D				
Injection Date:	06-Aug-2025 13:16:30	Instrument ID:	10193		
Lims ID:	410-234898-B-12	Lab Sample ID:	410-234898-12		
Client ID:	Trip Blank 1				
Operator ID:	ecr105096	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

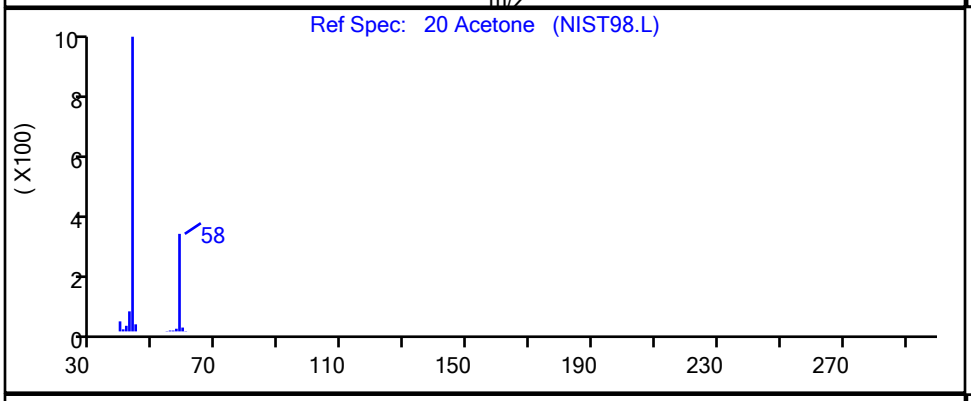
20 Acetone, CAS: 67-64-1

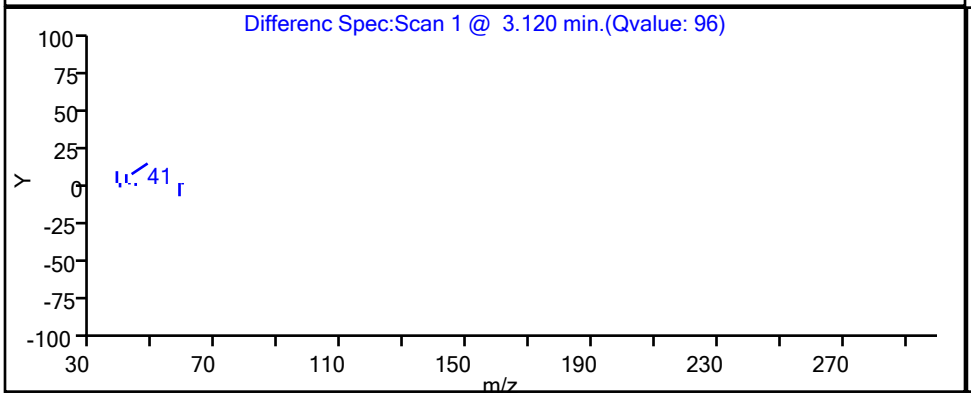


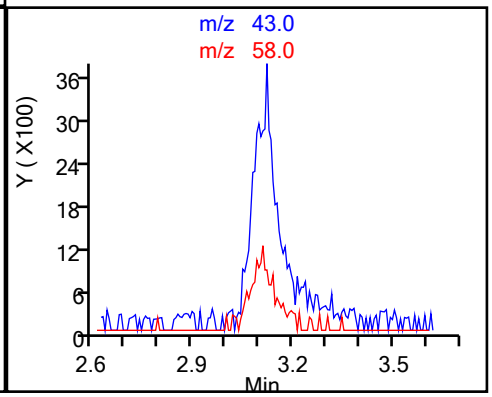












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: Trip Blank 2
Lab Sample ID: 410-234898-13

Matrix: Water
Lab File ID: CG06X09.D

Analysis Method: 8260D
Date Collected: 07/29/2025 00:00

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 13:38

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.00	0.300
71-55-6	1,1,1-Trichloroethane	ND		1.00	0.300
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.00	0.300
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.400
79-00-5	1,1,2-Trichloroethane	ND		1.00	0.300
75-34-3	1,1-Dichloroethane	ND		1.00	0.300
75-35-4	1,1-Dichloroethene	ND		1.00	0.300
96-18-4	1,2,3-Trichloropropane	ND		1.00	0.300
120-82-1	1,2,4-Trichlorobenzene	ND		1.00	0.600
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.00	0.400
106-93-4	1,2-Dibromoethane	ND		1.00	0.300
95-50-1	1,2-Dichlorobenzene	ND		1.00	0.400
107-06-2	1,2-Dichloroethane	ND		1.00	0.300
78-87-5	1,2-Dichloropropane	ND		1.00	0.400
541-73-1	1,3-Dichlorobenzene	ND		1.00	0.400
142-28-9	1,3-Dichloropropane	ND		1.00	0.400
106-46-7	1,4-Dichlorobenzene	ND		1.00	0.400
123-91-1	1,4-Dioxane	ND		200	45.5
78-93-3	2-Butanone	ND	cn	10.0	1.70
591-78-6	2-Hexanone	ND	cn	10.0	2.00
108-10-1	4-Methyl-2-pentanone	ND	cn	10.0	2.00
67-64-1	Acetone	3.65	J	10.0	2.00
75-05-8	Acetonitrile	ND		100	31.6
107-13-1	Acrylonitrile	ND		10.0	1.10
107-05-1	Allyl chloride	ND		10.0	1.00
71-43-2	Benzene	ND		1.00	0.300
75-27-4	Bromodichloromethane	ND		1.00	0.300
75-25-2	Bromoform	ND		1.00	0.400
74-83-9	Bromomethane	ND		1.00	0.542
75-15-0	Carbon disulfide	ND		10.0	0.400
56-23-5	Carbon tetrachloride	ND		1.00	0.300

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Client Sample ID: Trip Blank 2 Lab Sample ID: 410-234898-13

Matrix: Water Lab File ID: CG06X09.D

Analysis Method: 8260D Date Collected: 07/29/2025 00:00

Sample wt/vol: 25(mL) Date Analyzed: 08/06/2025 13:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 681517 Units: ug/L

Preparation Batch No.: Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	ND		1.00	0.100
67-66-3	Chloroform	ND		1.00	0.300
74-87-3	Chloromethane	ND		1.00	0.100
126-99-8	Chloroprene	ND		10.0	0.460
124-48-1	Dibromochloromethane	ND		1.00	0.400
74-95-3	Dibromomethane	ND		1.00	0.300
75-71-8	Dichlorodifluoromethane	ND		1.00	0.400
60-29-7	Diethyl ether	ND		10.0	1.11
97-63-2	Ethyl methacrylate	ND		10.0	0.810
100-41-4	Ethylbenzene	ND		1.00	0.300
87-68-3	Hexachlorobutadiene	ND		1.00	0.400
78-83-1	Isobutyl alcohol	ND		200	11.6
179601-23-1	m&p-Xylene	ND		2.00	0.400
126-98-7	Methacrylonitrile	ND	cn	100	9.75
74-88-4	Methyl iodide	ND		10.0	0.580
80-62-6	Methyl methacrylate	ND		10.0	3.58
75-09-2	Methylene Chloride	ND		1.00	0.700
91-20-3	Naphthalene	ND		1.00	0.400
95-47-6	o-Xylene	ND		1.00	0.400
76-01-7	Pentachloroethane	ND		10.0	1.70
107-12-0	Propionitrile	ND	cn	100	10.2
100-42-5	Styrene	ND		1.00	0.300
127-18-4	Tetrachloroethene	ND		1.00	0.300
109-99-9	Tetrahydrofuran	ND	cn	25.0	2.00
108-88-3	Toluene	ND		1.00	0.300
156-60-5	trans-1,2-Dichloroethene	ND		1.00	0.300
10061-02-6	trans-1,3-Dichloropropene	ND		1.00	0.400
79-01-6	Trichloroethene	ND		1.00	0.300
75-69-4	Trichlorofluoromethane	ND		1.00	0.400
108-05-4	Vinyl acetate	ND		10.0	3.29
75-01-4	Vinyl chloride	ND		1.00	0.200
1330-20-7	Xylenes, Total	ND		3.00	0.400

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: Trip Blank 2
Lab Sample ID: 410-234898-13

Matrix: Water
Lab File ID: CG06X09.D

Analysis Method: 8260D
Date Collected: 07/29/2025 00:00

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 13:38

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
115-10-6	Dimethyl ether	ND		0.500	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	109		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		80-120
2037-26-5	Toluene-d8 (Surr)	92		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X09.D
Lims ID: 410-234898-B-13
Client ID: Trip Blank 2
Sample Type: Client
Inject. Date: 06-Aug-2025 13:38:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-010
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 08:59:42 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:59:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.750				ND	
4 Dimethyl ether	45		1.805				ND	U
5 Chloromethane	50		1.927				ND	
6 Vinyl chloride	62		2.031				ND	
9 Bromomethane	94		2.329				ND	7
10 Chloroethane	64		2.360				ND	
12 Trichlorofluoromethane	101		2.658				ND	
14 Ethyl ether	59		2.805				ND	
18 1,1-Dichloroethene	96		3.073				ND	7
20 Acetone	43	3.110	3.097	0.013	100	22843	3.65	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.128				ND	
22 Iodomethane	142		3.238				ND	
25 Carbon disulfide	76		3.329				ND	7
27 Acetonitrile	41		3.451				ND	
29 3-Chloro-1-propene	41		3.475				ND	
30 Methylene Chloride	84		3.640				ND	
* 31 t-Butyl alcohol-d10 (IS)	65	3.689	3.640	0.049	95	132304	50.0	
33 Acrylonitrile	53		3.939				ND	
35 trans-1,2-Dichloroethene	96		3.987				ND	
37 1,1-Dichloroethane	63		4.634				ND	
38 Vinyl acetate	43		4.640				ND	
40 2-Chloro-1,3-butadiene	53		4.743				ND	
42 2-Butanone (MEK)	43		5.463				ND	
45 Propionitrile	54		5.554				ND	
47 Methacrylonitrile	67		5.780				ND	
49 Tetrahydrofuran	71		5.835				ND	
50 Chloroform	83		5.993				ND	
53 1,1,1-Trichloroethane	97		6.213				ND	
$ 54 Dibromofluoromethane (Surr)	113	6.225	6.213	0.012	94	433017	10.9	
56 Carbon tetrachloride	117		6.426				ND	
58 Isobutyl alcohol	41		6.639				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.682	6.676	0.006	99	87976	10.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
60 Benzene	78		6.700				ND	
61 1,2-Dichloroethane	62		6.780				ND	
* 65 Fluorobenzene (IS)	96	7.127	7.127	0.000	99	1677322	10.0	
68 Trichloroethene	95		7.615				ND	
70 1,2-Dichloropropane	63		7.956				ND	
74 1,4-Dioxane	88		8.066				ND	
72 Dibromomethane	93		8.072				ND	
73 Methyl methacrylate	69		8.072				ND	
76 Dichlorobromomethane	83		8.316				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.102				ND	7
$ 83 Toluene-d8 (Surr)	98	9.237	9.230	0.006	93	1704715	9.20	
84 Toluene	92	9.322	9.316	0.006	96	4436	0.0324	
85 trans-1,3-Dichloropropene	75		9.614				ND	
86 Ethyl methacrylate	69		9.700				ND	
87 1,1,2-Trichloroethane	97		9.834				ND	
88 Tetrachloroethene	166		9.913				ND	
89 1,3-Dichloropropane	76		10.005				ND	
106 2-Hexanone	43		10.078				ND	
108 Chlorodibromomethane	129		10.230				ND	
110 Ethylene Dibromide	107		10.340				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.809	10.803	0.006	88	1410109	10.0	
114 1,1,1,2-Tetrachloroethane	131		10.925				ND	
115 Ethylbenzene	91	10.943	10.925	0.018	97	7476	0.0274	
116 m-Xylene & p-Xylene	106	11.059	11.053	0.006	96	10405	0.0983	M
S 117 Xylenes, Total	106				0		0.1299	
118 o-Xylene	106	11.419	11.395	0.024	94	3289	0.0315	
119 Styrene	104		11.413				ND	7
120 Bromoform	173		11.565				ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	93	652844	9.33	
126 1,1,2,2-Tetrachloroethane	83		11.968				ND	
128 1,2,3-Trichloropropane	110		12.010				ND	
134 Pentachloroethane	167		12.468				ND	
137 1,3-Dichlorobenzene	146		12.705				ND	7
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	768859	10.0	
140 1,4-Dichlorobenzene	146		12.778				ND	7
144 1,2-Dichlorobenzene	146		13.047				ND	
148 1,2-Dibromo-3-Chloropropane	155		13.601				ND	
150 1,2,4-Trichlorobenzene	180		14.162				ND	
151 Hexachlorobutadiene	225		14.248				ND	
152 Naphthalene	128		14.345				ND	

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- U - Marked Undetected

Reagents:

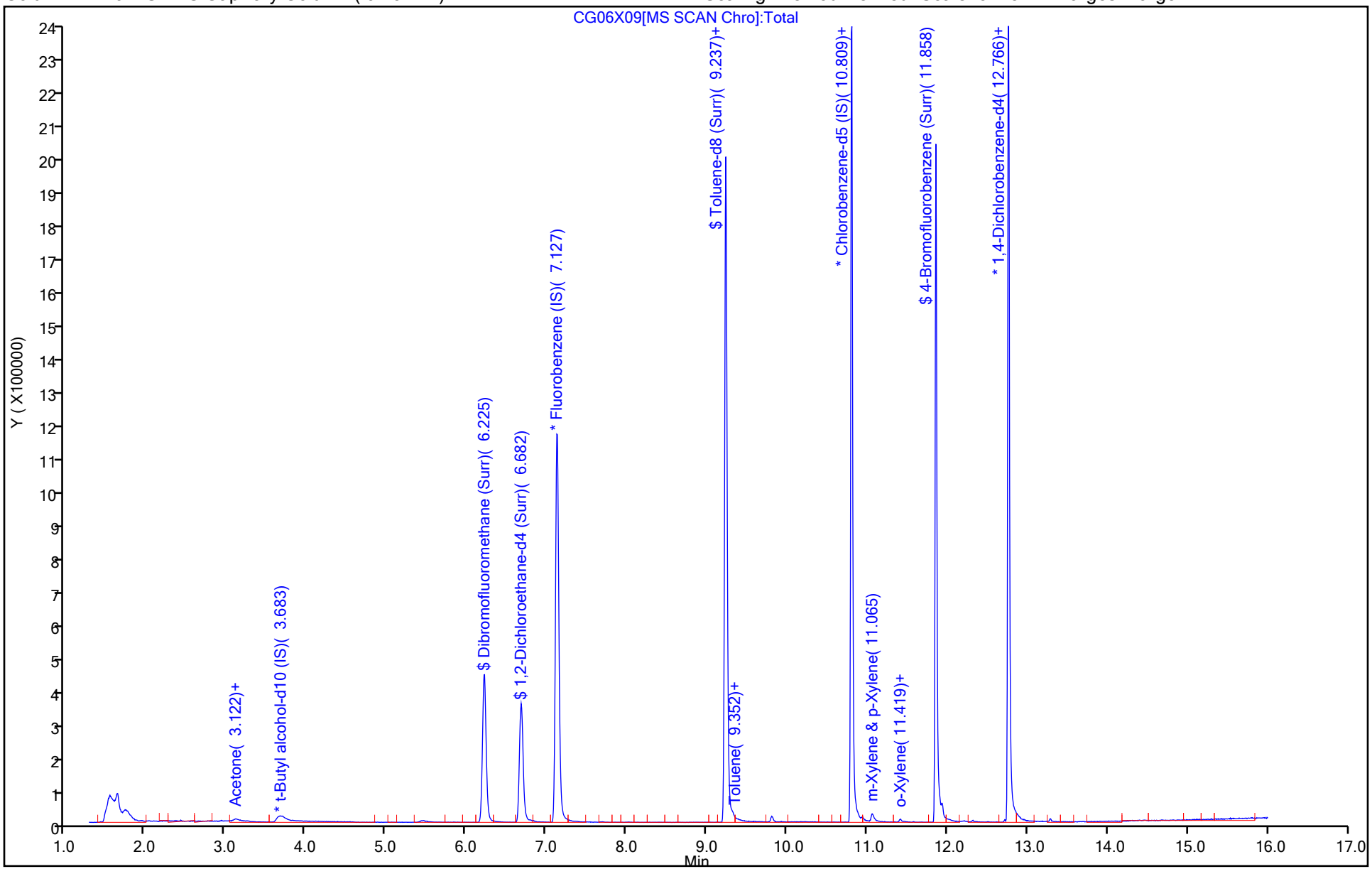
MSV_HP25_ISSS_00117 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 07-Aug-2025 08:59:45 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X09.D				
Injection Date:	06-Aug-2025 13:38:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	410-234898-B-13	Lab Sample ID:	410-234898-13	Worklist Smp#:	10
Client ID:	Trip Blank 2				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X09.D				
Lims ID:	410-234898-B-13				
Client ID:	Trip Blank 2				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 13:38:30	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-010				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Aug-2025 08:59:42	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 08:59:42

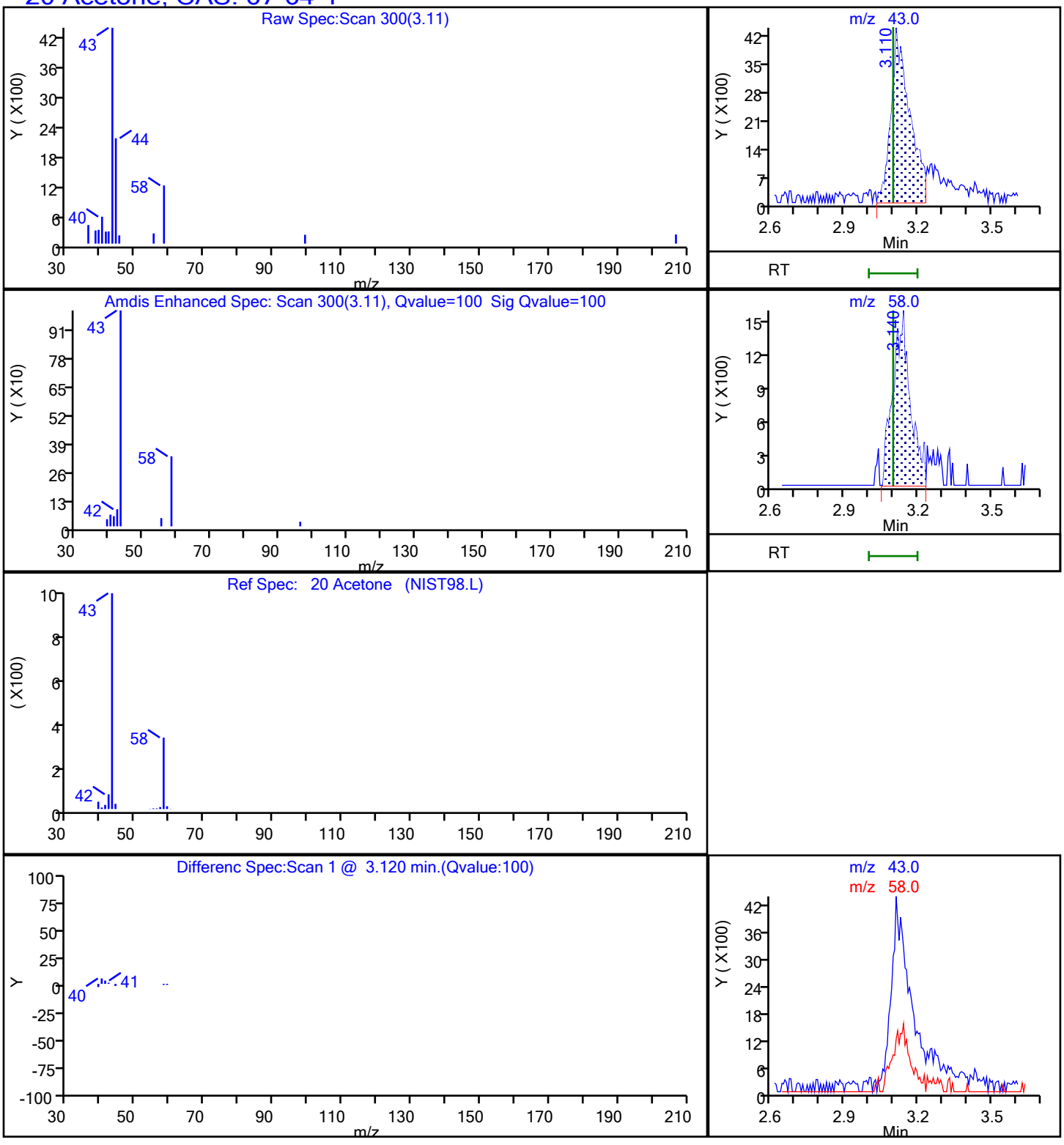
Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	10.9	109.40
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.8	107.71
$ 83 Toluene-d8 (Surr)	10.0	9.20	92.04
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.33	93.35

Report Date: 07-Aug-2025 08:59:45 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X09.D				
Injection Date:	06-Aug-2025 13:38:30	Instrument ID:	10193		
Lims ID:	410-234898-B-13	Lab Sample ID:	410-234898-13		
Client ID:	Trip Blank 2				
Operator ID:	ecr105096	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

20 Acetone, CAS: 67-64-1



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

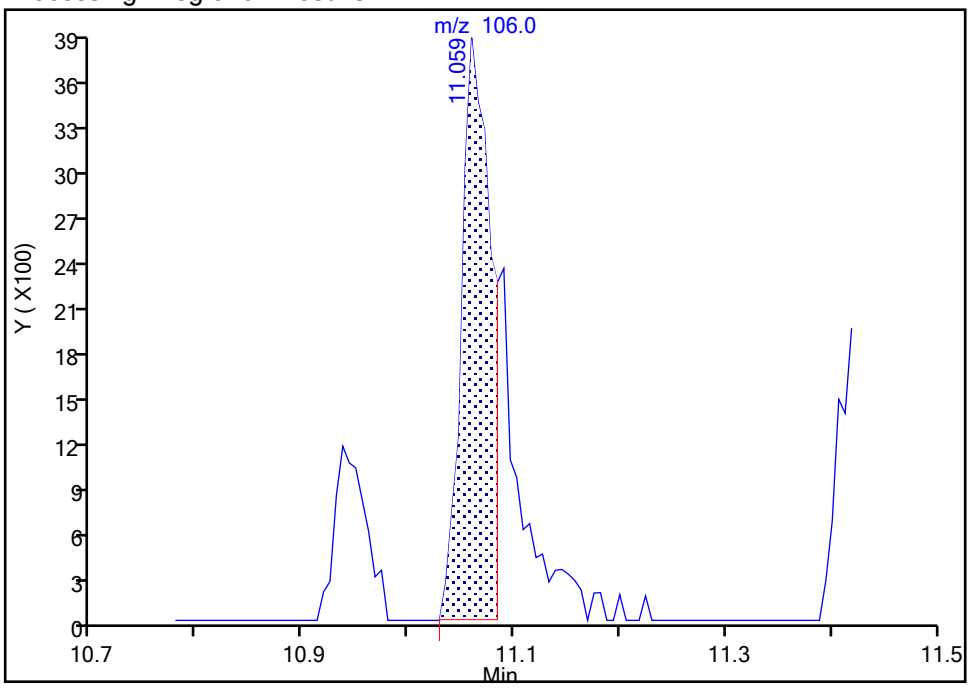
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X09.D				
Injection Date:	06-Aug-2025 13:38:30	Instrument ID:	10193		
Lims ID:	410-234898-B-13	Lab Sample ID:	410-234898-13		
Client ID:	Trip Blank 2				
Operator ID:	ecr105096	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

116 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

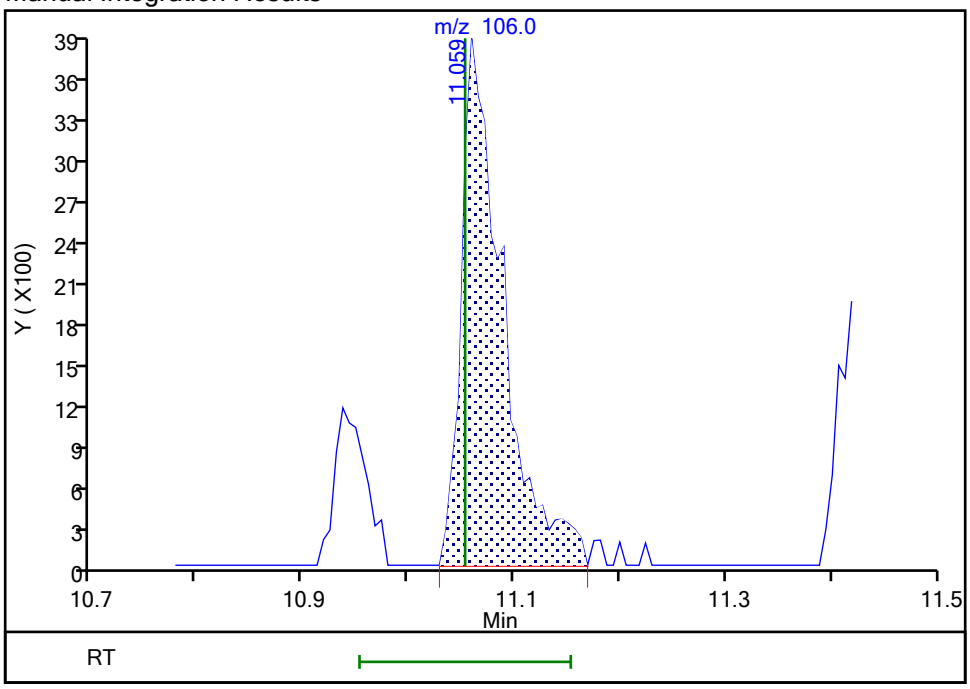
Processing Integration Results

RT: 11.06
Area: 7443
Amount: 0.070347
Amount Units: ug/l



Manual Integration Results

RT: 11.06
Area: 10405
Amount: 0.098343
Amount Units: ug/l



Reviewer: FQ4L, 07-Aug-2025 08:59:24 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

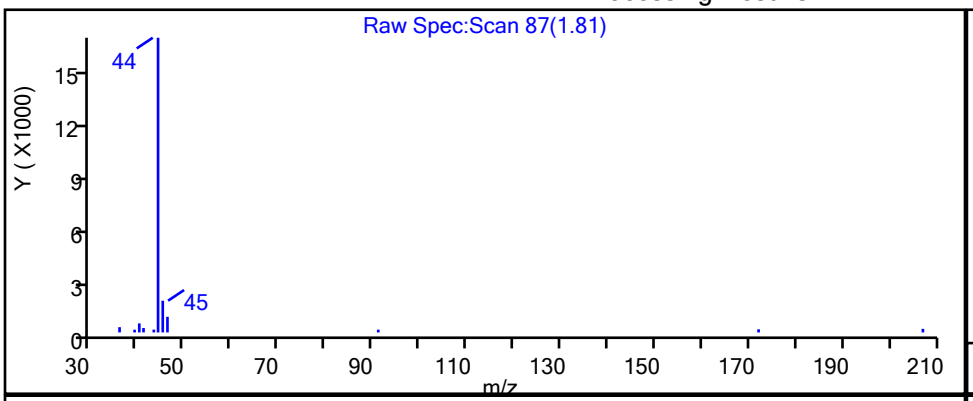
User Disabled Compound Report

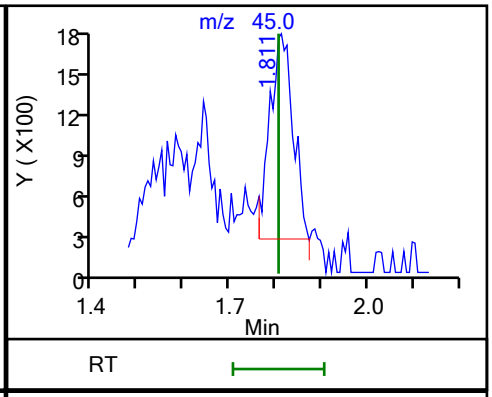
Eurofins Lancaster Laboratories Environment Testing, LLC

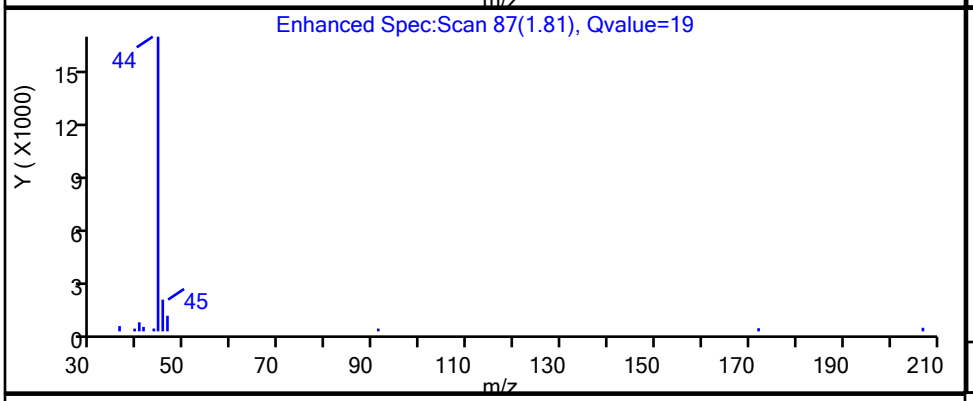
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X09.D				
Injection Date:	06-Aug-2025 13:38:30	Instrument ID:	10193		
Lims ID:	410-234898-B-13	Lab Sample ID:	410-234898-13		
Client ID:	Trip Blank 2				
Operator ID:	ecr105096	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

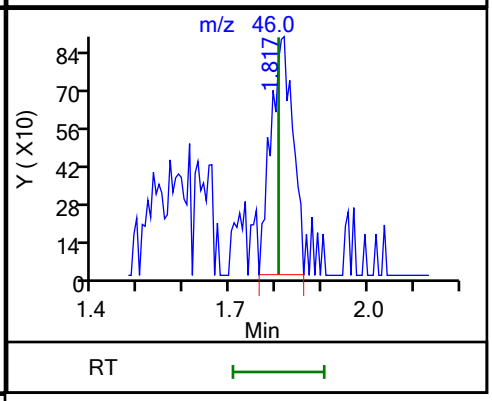
4 Dimethyl ether, CAS: 115-10-6

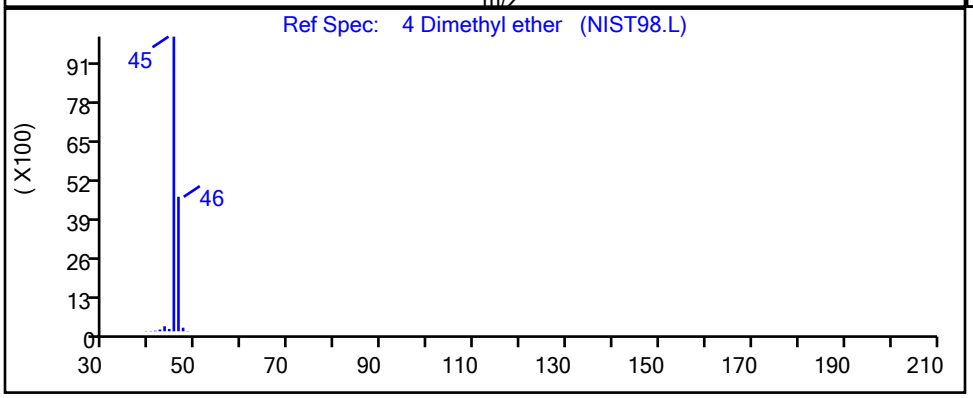
Processing Results











RT	Mass	Response	Amount
1.81	45.00	5541	0.073406
1.82	46.00	3016	

Reviewer: FQ4L, 07-Aug-2025 08:58:50 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Client Sample ID: Trip Blank 3 Lab Sample ID: 410-234898-14

Matrix: Water Lab File ID: CG06X10.D

Analysis Method: 8260D Date Collected: 07/29/2025 00:00

Sample wt/vol: 25(mL) Date Analyzed: 08/06/2025 14:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 681517 Units: ug/L

Preparation Batch No.: Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.00	0.300
71-55-6	1,1,1-Trichloroethane	ND		1.00	0.300
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.00	0.300
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.400
79-00-5	1,1,2-Trichloroethane	ND		1.00	0.300
75-34-3	1,1-Dichloroethane	ND		1.00	0.300
75-35-4	1,1-Dichloroethene	ND		1.00	0.300
96-18-4	1,2,3-Trichloropropane	ND		1.00	0.300
120-82-1	1,2,4-Trichlorobenzene	ND		1.00	0.600
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.00	0.400
106-93-4	1,2-Dibromoethane	ND		1.00	0.300
95-50-1	1,2-Dichlorobenzene	ND		1.00	0.400
107-06-2	1,2-Dichloroethane	ND		1.00	0.300
78-87-5	1,2-Dichloropropane	ND		1.00	0.400
541-73-1	1,3-Dichlorobenzene	ND		1.00	0.400
142-28-9	1,3-Dichloropropane	ND		1.00	0.400
106-46-7	1,4-Dichlorobenzene	ND		1.00	0.400
123-91-1	1,4-Dioxane	ND		200	45.5
78-93-3	2-Butanone	ND	cn	10.0	1.70
591-78-6	2-Hexanone	ND	cn	10.0	2.00
108-10-1	4-Methyl-2-pentanone	ND	cn	10.0	2.00
67-64-1	Acetone	7.50	J	10.0	2.00
75-05-8	Acetonitrile	ND		100	31.6
107-13-1	Acrylonitrile	ND		10.0	1.10
107-05-1	Allyl chloride	ND		10.0	1.00
71-43-2	Benzene	ND		1.00	0.300
75-27-4	Bromodichloromethane	ND		1.00	0.300
75-25-2	Bromoform	ND		1.00	0.400
74-83-9	Bromomethane	ND		1.00	0.542
75-15-0	Carbon disulfide	ND		10.0	0.400
56-23-5	Carbon tetrachloride	ND		1.00	0.300

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Client Sample ID: Trip Blank 3 Lab Sample ID: 410-234898-14

Matrix: Water Lab File ID: CG06X10.D

Analysis Method: 8260D Date Collected: 07/29/2025 00:00

Sample wt/vol: 25(mL) Date Analyzed: 08/06/2025 14:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 681517 Units: ug/L

Preparation Batch No.: Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	ND		1.00	0.100
67-66-3	Chloroform	ND		1.00	0.300
74-87-3	Chloromethane	ND		1.00	0.100
126-99-8	Chloroprene	ND		10.0	0.460
124-48-1	Dibromochloromethane	ND		1.00	0.400
74-95-3	Dibromomethane	ND		1.00	0.300
75-71-8	Dichlorodifluoromethane	ND		1.00	0.400
60-29-7	Diethyl ether	ND		10.0	1.11
97-63-2	Ethyl methacrylate	ND		10.0	0.810
100-41-4	Ethylbenzene	ND		1.00	0.300
87-68-3	Hexachlorobutadiene	ND		1.00	0.400
78-83-1	Isobutyl alcohol	ND		200	11.6
179601-23-1	m&p-Xylene	ND		2.00	0.400
126-98-7	Methacrylonitrile	ND	cn	100	9.75
74-88-4	Methyl iodide	ND		10.0	0.580
80-62-6	Methyl methacrylate	ND		10.0	3.58
75-09-2	Methylene Chloride	ND		1.00	0.700
91-20-3	Naphthalene	ND		1.00	0.400
95-47-6	o-Xylene	ND		1.00	0.400
76-01-7	Pentachloroethane	ND		10.0	1.70
107-12-0	Propionitrile	ND	cn	100	10.2
100-42-5	Styrene	ND		1.00	0.300
127-18-4	Tetrachloroethene	ND		1.00	0.300
109-99-9	Tetrahydrofuran	ND	cn	25.0	2.00
108-88-3	Toluene	ND		1.00	0.300
156-60-5	trans-1,2-Dichloroethene	ND		1.00	0.300
10061-02-6	trans-1,3-Dichloropropene	ND		1.00	0.400
79-01-6	Trichloroethene	ND		1.00	0.300
75-69-4	Trichlorofluoromethane	ND		1.00	0.400
108-05-4	Vinyl acetate	ND		10.0	3.29
75-01-4	Vinyl chloride	ND		1.00	0.200
1330-20-7	Xylenes, Total	ND		3.00	0.400

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Client Sample ID: Trip Blank 3 Lab Sample ID: 410-234898-14

Matrix: Water Lab File ID: CG06X10.D

Analysis Method: 8260D Date Collected: 07/29/2025 00:00

Sample wt/vol: 25(mL) Date Analyzed: 08/06/2025 14:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 681517 Units: ug/L

Preparation Batch No.: Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
115-10-6	Dimethyl ether	ND		0.500	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	112		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-120
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X10.D
Lims ID: 410-234898-B-14
Client ID: Trip Blank 3
Sample Type: Client
Inject. Date: 06-Aug-2025 14:00:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-011
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 08:59:42 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:01:44

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	2 Dichlorodifluoromethane	85		1.750				ND	
	4 Dimethyl ether	45	1.799	1.805	-0.006	98	10683	0.1483	
	5 Chloromethane	50		1.927				ND	
	6 Vinyl chloride	62		2.031				ND	
	9 Bromomethane	94		2.329				ND	
	10 Chloroethane	64		2.360				ND	
	12 Trichlorofluoromethane	101		2.658				ND	
	14 Ethyl ether	59		2.805				ND	
	18 1,1-Dichloroethene	96		3.073				ND	
	20 Acetone	43	3.116	3.097	0.019	98	42215	7.50	
	21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.128				ND	
	22 Iodomethane	142		3.238				ND	
	25 Carbon disulfide	76		3.329				ND	7
	27 Acetonitrile	41		3.451				ND	
	29 3-Chloro-1-propene	41		3.475				ND	
	30 Methylene Chloride	84		3.640				ND	
*	31 t-Butyl alcohol-d10 (IS)	65	3.664	3.640	0.024	96	119044	50.0	
	33 Acrylonitrile	53		3.939				ND	
	35 trans-1,2-Dichloroethene	96		3.987				ND	
	37 1,1-Dichloroethane	63		4.634				ND	
	38 Vinyl acetate	43		4.640				ND	
	40 2-Chloro-1,3-butadiene	53		4.743				ND	
	42 2-Butanone (MEK)	43		5.463				ND	7
	45 Propionitrile	54		5.554				ND	
	47 Methacrylonitrile	67		5.780				ND	
	49 Tetrahydrofuran	71		5.835				ND	
	50 Chloroform	83		5.993				ND	
	53 1,1,1-Trichloroethane	97		6.213				ND	
$	54 Dibromofluoromethane (Surr)	113	6.213	6.213	0.000	94	422708	11.2	
	56 Carbon tetrachloride	117		6.426				ND	
	58 Isobutyl alcohol	41		6.639				ND	
$	59 1,2-Dichloroethane-d4 (Surr)	102	6.682	6.676	0.006	99	83297	10.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
60 Benzene	78		6.700				ND	
61 1,2-Dichloroethane	62		6.780				ND	7
* 65 Fluorobenzene (IS)	96	7.127	7.127	0.000	99	1600495	10.0	
68 Trichloroethene	95		7.615				ND	
70 1,2-Dichloropropane	63		7.956				ND	
74 1,4-Dioxane	88		8.066				ND	
72 Dibromomethane	93		8.072				ND	
73 Methyl methacrylate	69		8.072				ND	
76 Dichlorobromomethane	83		8.316				ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.102				ND	
$ 83 Toluene-d8 (Surr)	98	9.237	9.230	0.006	94	1634824	9.30	
84 Toluene	92		9.316				ND	7
85 trans-1,3-Dichloropropene	75		9.614				ND	
86 Ethyl methacrylate	69		9.700				ND	
87 1,1,2-Trichloroethane	97		9.834				ND	
88 Tetrachloroethene	166		9.913				ND	
89 1,3-Dichloropropane	76		10.005				ND	
106 2-Hexanone	43		10.078				ND	
108 Chlorodibromomethane	129		10.230				ND	
110 Ethylene Dibromide	107		10.340				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1338188	10.0	
114 1,1,1,2-Tetrachloroethane	131		10.925				ND	
115 Ethylbenzene	91	10.937	10.925	0.012	97	8141	0.0315	
116 m-Xylene & p-Xylene	106	11.059	11.053	0.006	97	10699	0.1066	
S 117 Xylenes, Total	106				0		0.1066	
118 o-Xylene	106		11.395				ND	7
119 Styrene	104		11.413				ND	7
120 Bromoform	173		11.565				ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	93	613519	9.24	
126 1,1,2,2-Tetrachloroethane	83		11.968				ND	
128 1,2,3-Trichloropropane	110		12.010				ND	
134 Pentachloroethane	167		12.468				ND	
137 1,3-Dichlorobenzene	146		12.705				ND	7
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	711245	10.0	
140 1,4-Dichlorobenzene	146		12.778				ND	7
144 1,2-Dichlorobenzene	146		13.047				ND	
148 1,2-Dibromo-3-Chloropropane	155		13.601				ND	
150 1,2,4-Trichlorobenzene	180		14.162				ND	
151 Hexachlorobutadiene	225		14.248				ND	
152 Naphthalene	128		14.345				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

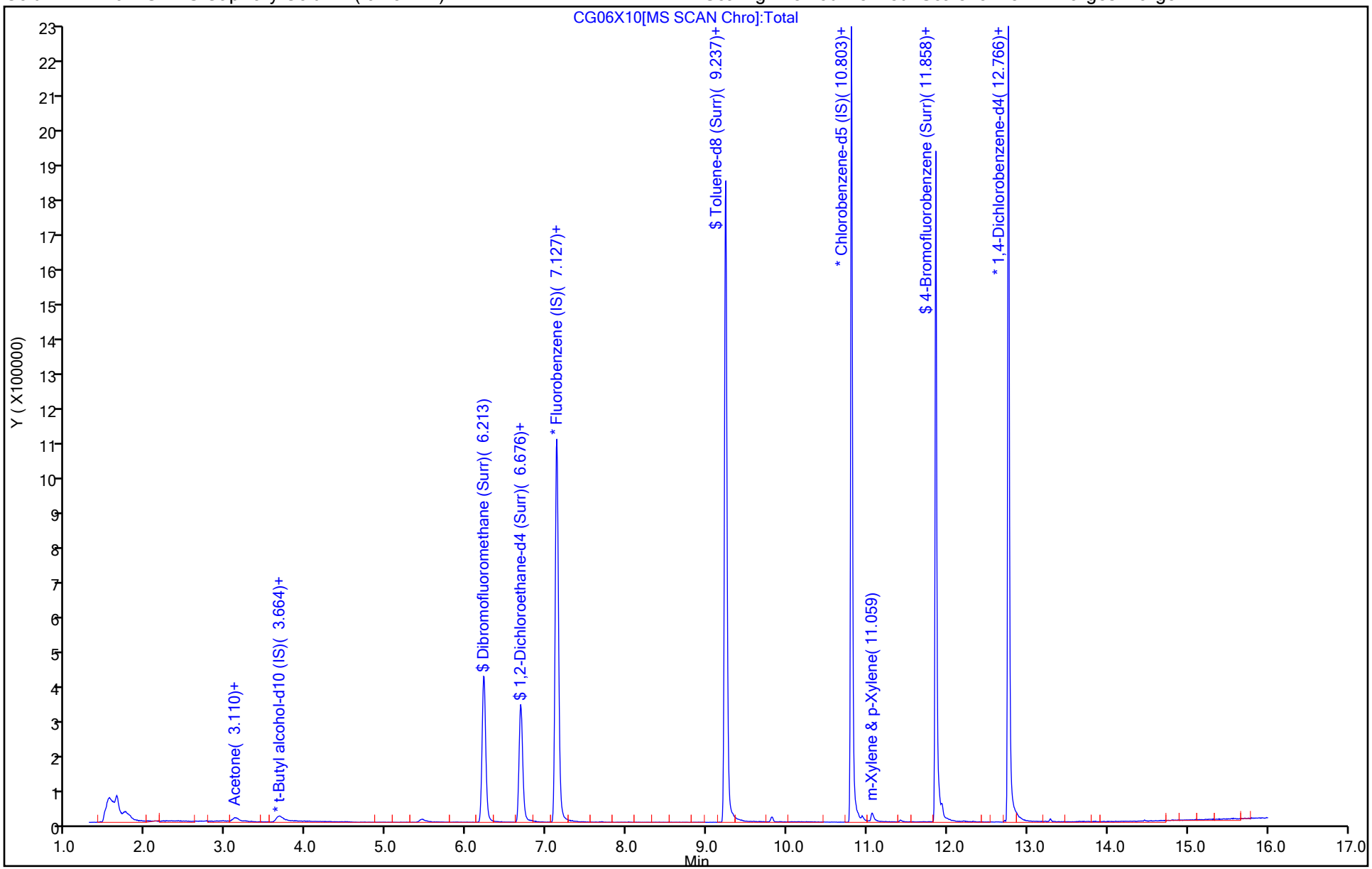
MSV_HP25_ISSS_00117 Amount Added: 1.00 Units: uL Run Reagent

Report Date: 07-Aug-2025 09:01:44 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X10.D				
Injection Date:	06-Aug-2025 14:00:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	410-234898-B-14	Lab Sample ID:	410-234898-14	Worklist Smp#:	11
Client ID:	Trip Blank 3				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X10.D				
Lims ID:	410-234898-B-14				
Client ID:	Trip Blank 3				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 14:00:30	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-011				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Aug-2025 08:59:42	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:01:44

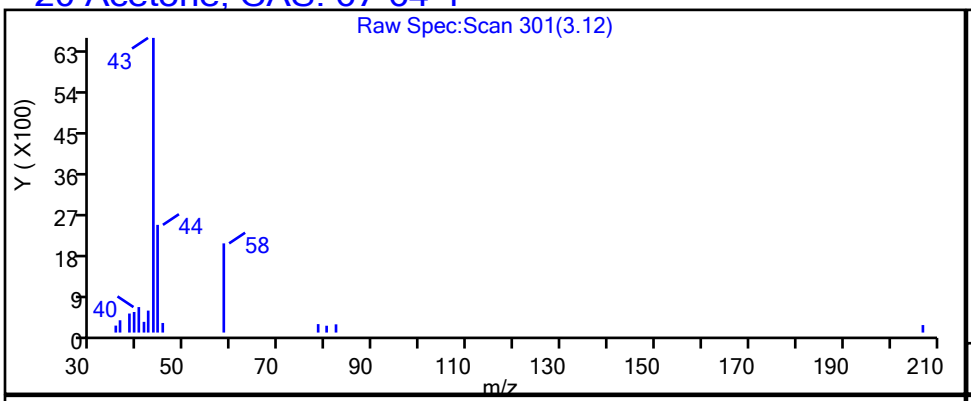
Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.2	111.92
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.7	106.87
$ 83 Toluene-d8 (Surr)	10.0	9.30	93.01
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.24	92.44

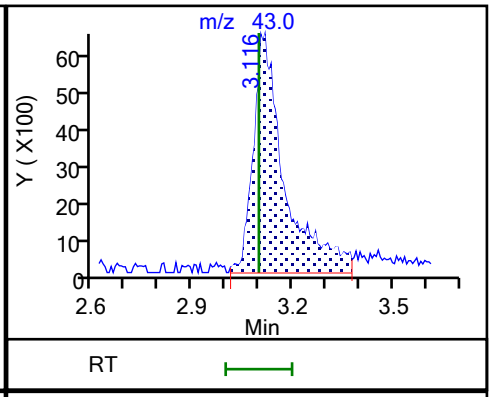
Report Date: 07-Aug-2025 09:01:44 Chrom Revision: 2.3 25-Jul-2025 13:52:40

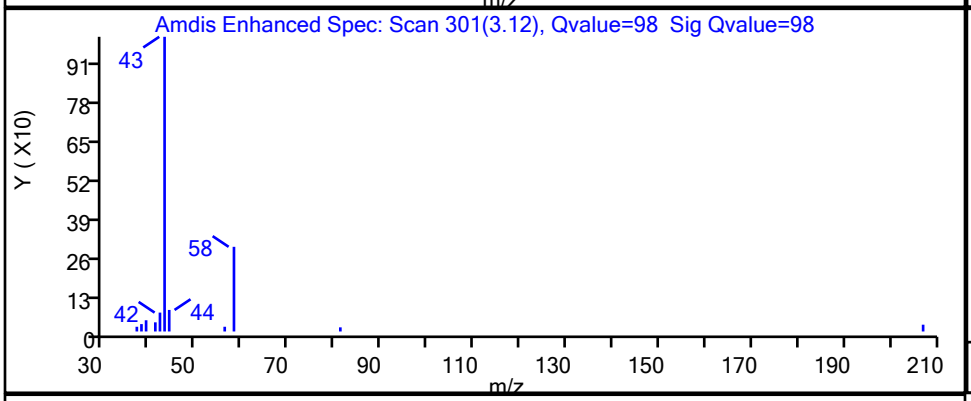
Eurofins Lancaster Laboratories Environment Testing, LLC

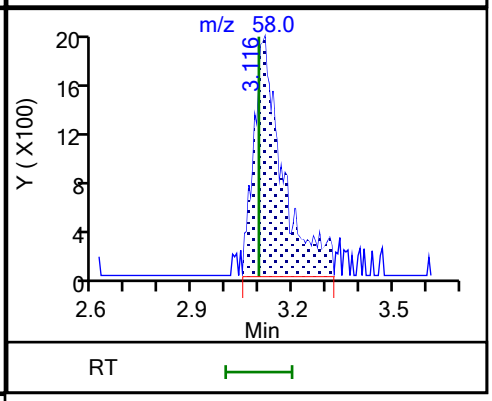
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X10.D				
Injection Date:	06-Aug-2025 14:00:30	Instrument ID:	10193		
Lims ID:	410-234898-B-14	Lab Sample ID:	410-234898-14		
Client ID:	Trip Blank 3				
Operator ID:	ecr105096	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

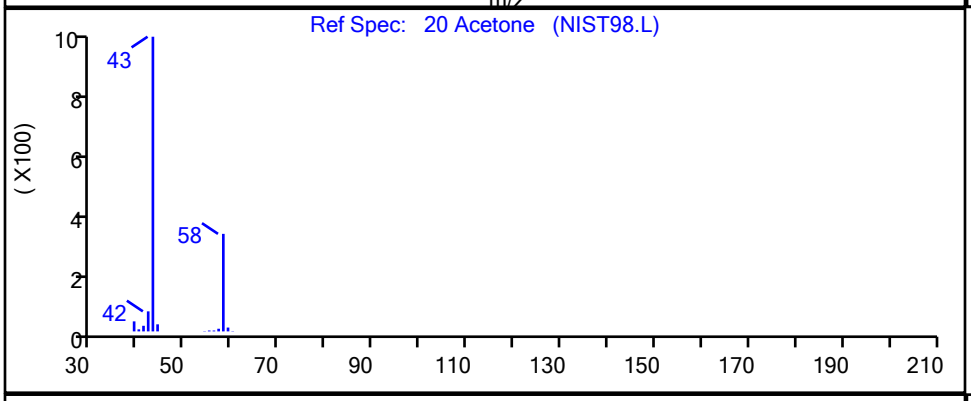
20 Acetone, CAS: 67-64-1

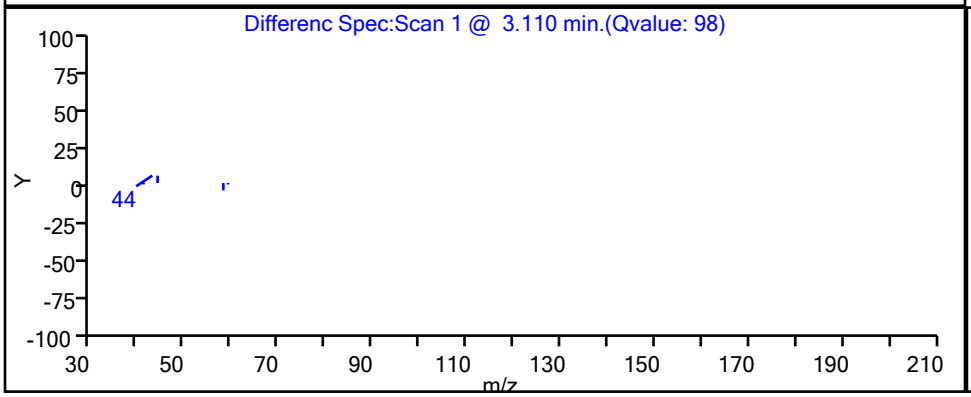


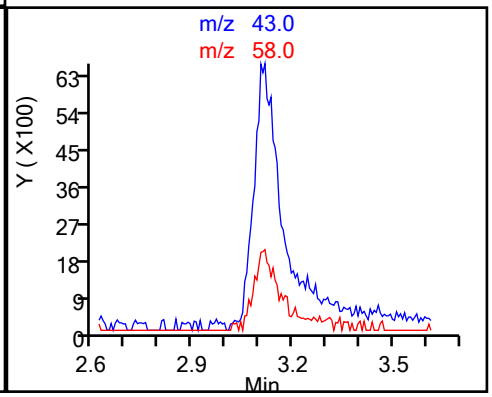












FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 17:23 Calibration End Date: 06/04/2025 19:37 Calibration ID: 73329

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652703/3	CU04X02.D
Level 2	IC 410-652703/4	CU04X03.D
Level 3	IC 410-652703/5	CU04X04.D
Level 4	IC 410-652703/6	CU04X05.D
Level 5	IC 410-652703/7	CU04X06.D
Level 6	IC 410-652703/8	CU04X07.D
Level 7	IC 410-652703/9	CU04X08.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorodifluoromethane	0.4232 0.3835	0.3935 0.4025	0.4074	0.3890	0.3752	Ave		0.3963				4.1		20.0			
Dimethyl ether	+++++ 0.4203	0.5889 0.3905	0.4941	0.4396	0.3668	Ave		0.4500				18.0		20.0			
Acetonitrile	+++++ 0.0169	0.0221 0.0162	0.0190	0.0173	0.0168	Ave		0.0181				12.1		20.0			
Vinyl acetate	0.4490 0.3491	0.3235 0.3092	0.3915	0.3572	0.3469	Ave		0.3609				13.0		20.0			
Ethyl acetate	0.1953 0.1861	0.1592 0.1750	0.1568	0.1668	0.1828	Ave		0.1745				8.2		20.0			
2-Chloroethyl vinyl ether	0.1076 0.1245	0.1022 0.1320	0.1122	0.1180	0.1177	Ave		0.1163				8.7		20.0			
cis-1,4-Dichloro-2-butene	+++++ 0.0948	0.0696 0.1105	0.0730	0.0817	0.0842	Ave		0.0856				17.6		20.0			
Cyclohexanone	0.2821 0.3458	0.2734 0.3763	0.3336	0.3445	0.3476	Ave		0.3290				11.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-234898-1 | Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 17:23 | Calibration End Date: 06/04/2025 19:37 | Calibration ID: 73329

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652703/3	CU04X02.D
Level 2	IC 410-652703/4	CU04X03.D
Level 3	IC 410-652703/5	CU04X04.D
Level 4	IC 410-652703/6	CU04X05.D
Level 5	IC 410-652703/7	CU04X06.D
Level 6	IC 410-652703/8	CU04X07.D
Level 7	IC 410-652703/9	CU04X08.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorodifluoromethane	FB	Ave	20282 916349	45497 2297943	95968	180151	447076	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dimethyl ether	FB	Ave	+++++ 1004202	68098 2229899	116368	203565	437163	+++++ 10.0	0.500 25.0	1.00	2.00	5.00
Acetonitrile	FB	Ave	+++++ 202276	12762 463075	22368	40045	100216	+++++ 50.0	2.50 125	5.00	10.0	25.0
Vinyl acetate	FB	Ave	21519 834061	37404 1765540	92210	165440	413433	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl acetate	FB	Ave	9357 444702	18405 999028	36924	77255	217786	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloroethyl vinyl ether	FB	Ave	5155 297417	11822 753907	26418	54643	140307	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,4-Dichloro-2-butene	CBZd5	Ave	+++++ 345004	12144 964543	26100	57340	150756	+++++ 20.0	1.000 50.0	2.00	4.00	10.00
Cyclohexanone	TBAd10	Ave	12061 703088	26136 1771793	67325	138781	317052	10.00 500	25.0 1250	50.0	100.0	250

Curve Type Legend:
Ave = Average ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 17:23 Calibration End Date: 06/04/2025 19:37 Calibration ID: 73329

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652703/3	CU04X02.D
Level 2	IC 410-652703/4	CU04X03.D
Level 3	IC 410-652703/5	CU04X04.D
Level 4	IC 410-652703/6	CU04X05.D
Level 5	IC 410-652703/7	CU04X06.D
Level 6	IC 410-652703/8	CU04X07.D
Level 7	IC 410-652703/9	CU04X08.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Chlorodifluoromethane	6.8 1.5	-0.7	2.8	-1.8	-5.3	-3.2	50 30	30	30	30	30	30
Dimethyl ether	+++++ -13.2	30.9	9.8	-2.3	-18.5	-6.6	 30	50	30	30	30	30
Acetonitrile	+++++ -10.2	22.3	5.2	-4.2	-6.8	-6.2	 30	50	30	30	30	30
Vinyl acetate	24.4 -14.3	-10.4	8.5	-1.0	-3.9	-3.3	50 30	30	30	30	30	30
Ethyl acetate	11.9 0.2	-8.8	-10.2	-4.4	4.7	6.6	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-7.5 13.5	-12.1	-3.6	1.4	1.2	7.0	50 30	30	30	30	30	30
cis-1,4-Dichloro-2-butene	+++++ 29.0	-18.8	-14.8	-4.6	-1.6	10.7	 30	50	30	30	30	30
Cyclohexanone	-14.3 14.4	-16.9	1.4	4.7	5.6	5.1	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X02.D
Lims ID: IC STD.2 Sm
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Jun-2025 17:23:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-003
Misc. Info.: IC STD.2 SM
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub43

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:17:58 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 11:05:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.720	1.720	0.000	92	8209	0.2000	0.1860	
3 Chlorodifluoromethane	51	1.768	1.768	0.000	30	20282	0.2000	0.2136	
4 Dimethyl ether	45	1.799	1.805	-0.006	96	52454	0.2000	0.4864	Ma
8 2-Chloro-1,1,1-Trifluoroethane	118	2.085	2.079	0.006	36	15136	0.2000	0.2003	
27 Acetonitrile	41	3.414	3.451	-0.037	32	9702	1.00	2.24	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.664	3.671	-0.007	97	213759	50.0	50.0	
38 Vinyl acetate	43	4.682	4.640	0.042	98	21519	0.2000	0.2488	
46 Ethyl acetate	43	5.566	5.554	0.012	97	9357	0.2000	0.2237	
63 Isopropyl acetate	43	6.840	6.828	0.012	70	19236	0.2000	0.2049	
* 65 Fluorobenzene (IS)	96	7.139	7.146	-0.007	99	2396109	10.0	10.0	
75 n-Propyl acetate	61	8.182	8.170	0.012	99	3280	0.2000	0.1727	
79 2-Chloroethyl vinyl ether	63	8.736	8.724	0.012	89	5155	0.2000	0.1850	
109 n-Butyl acetate	43	10.242	10.224	0.018	98	15795	0.2000	0.1929	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.816	-0.001	89	1815665	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.772	11.772	0.000	96	5474	0.3999	0.3521	
123 Cyclohexanone	55	11.797	11.797	0.000	91	12061	10.0	8.57	
* 139 1,4-Dichlorobenzene-d4	152	12.772	12.766	0.006	95	979792	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00049	Amount Added:	0.20	Units: uL
MSV_V_SMRV4_00088	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00011	Amount Added:	1.60	Units: uL
MSV_HP25_ISO_00013	Amount Added:	1.00	Units: uL
MSV_DME_00064	Amount Added:	0.20	Units: uL

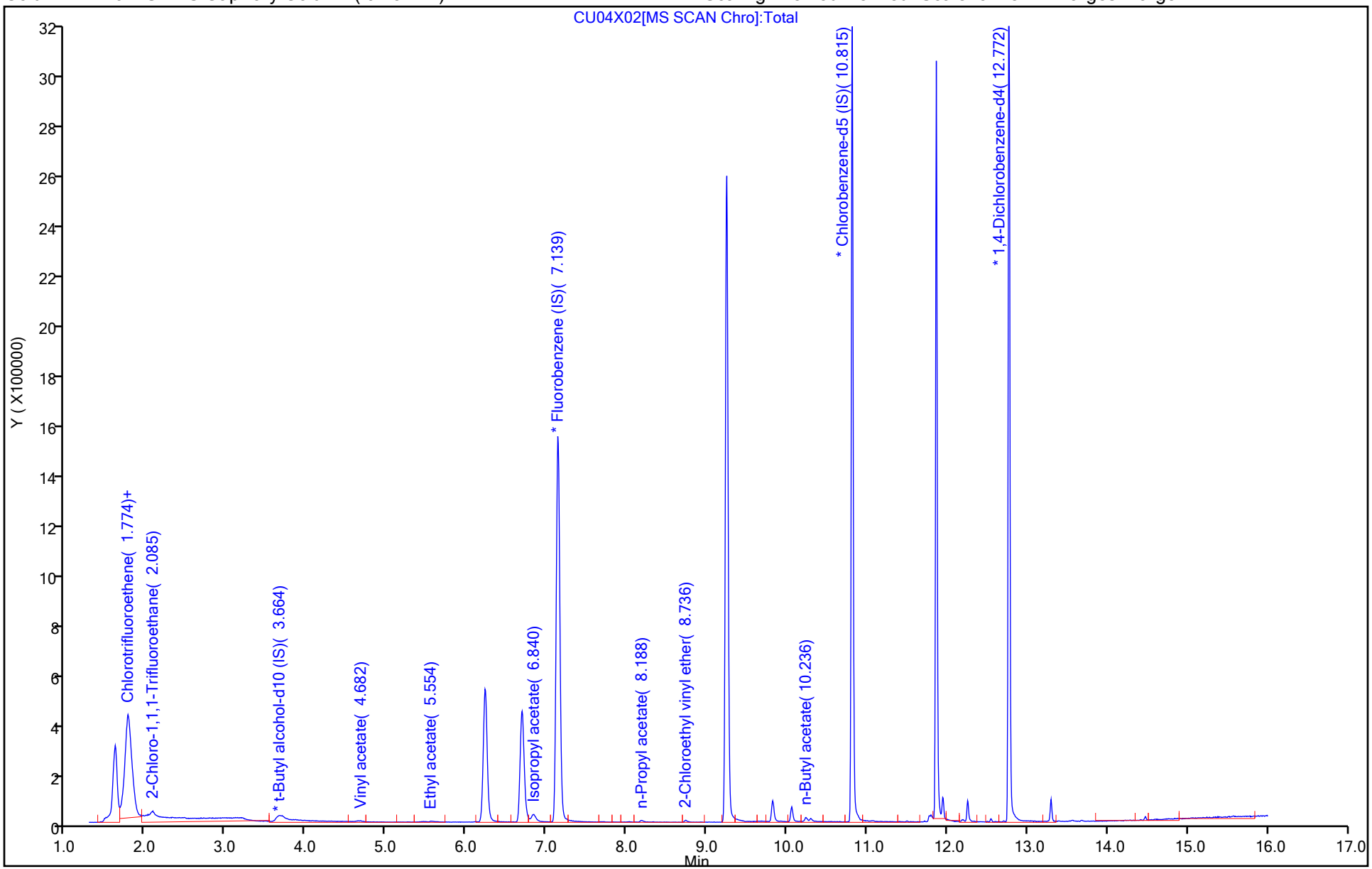
Report Date: 06-Jun-2025 09:17:59 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X02.D

Injection Date:	04-Jun-2025 17:23:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC STD.2 Sm			Worklist Smp#:	3
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

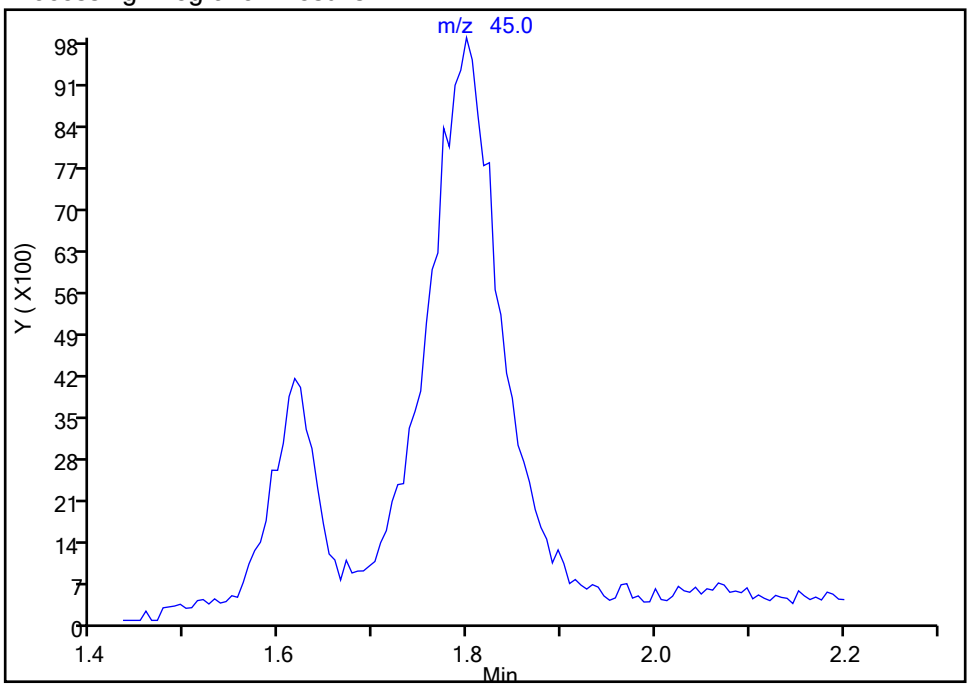
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X02.D				
Injection Date:	04-Jun-2025 17:23:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Sm				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

4 Dimethyl ether, CAS: 115-10-6

Signal: 1

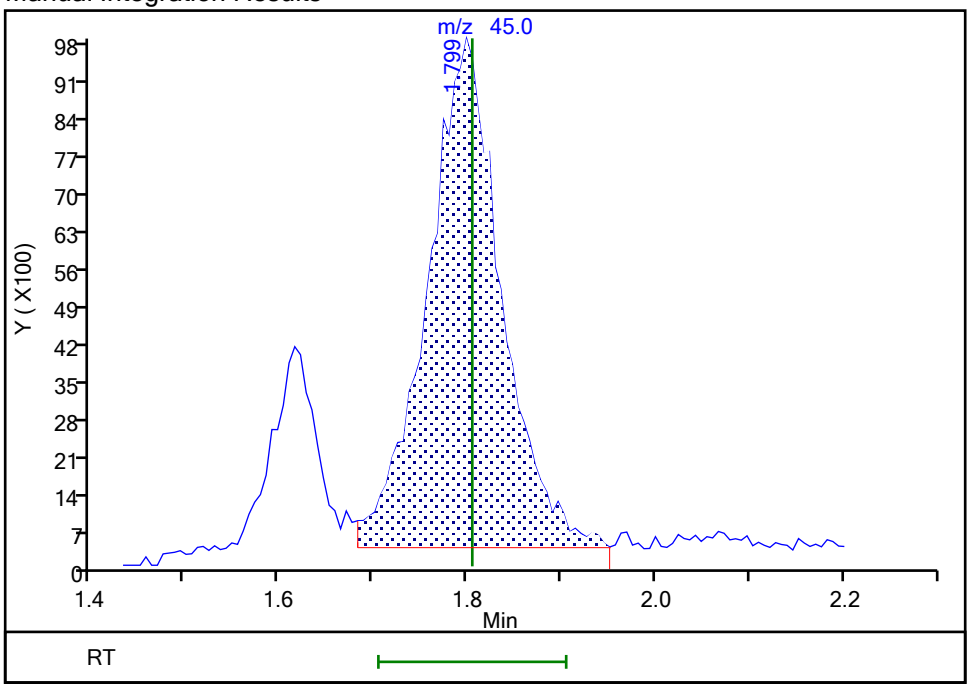
Not Detected
Expected RT: 1.80

Processing Integration Results



Manual Integration Results

RT: 1.80
Area: 52454
Amount: 0.486442
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:04:48 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

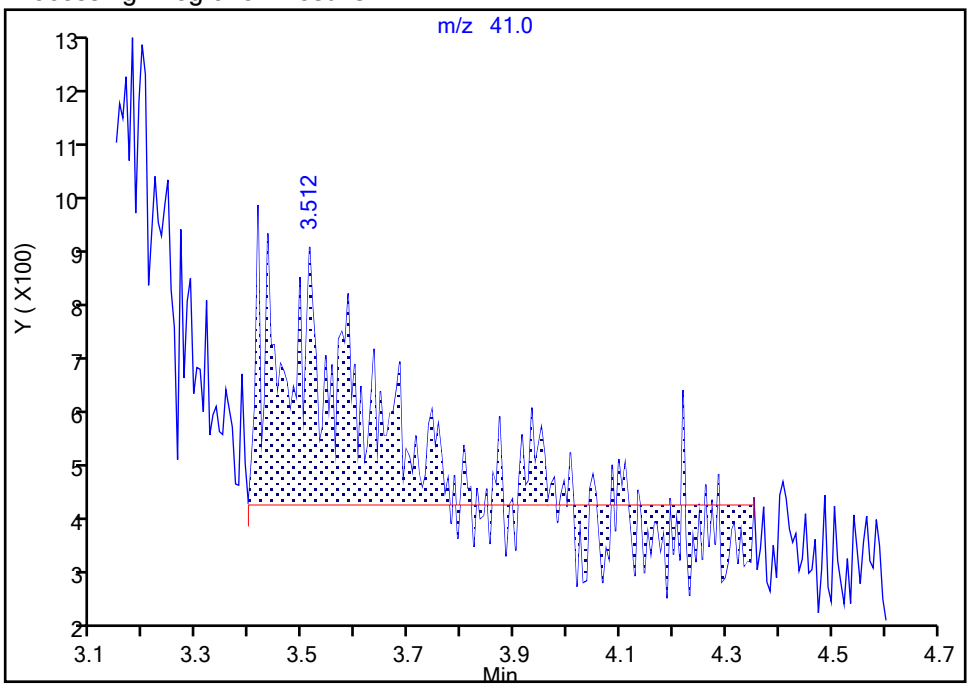
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X02.D				
Injection Date:	04-Jun-2025 17:23:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Sm				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

27 Acetonitrile, CAS: 75-05-8

Signal: 1

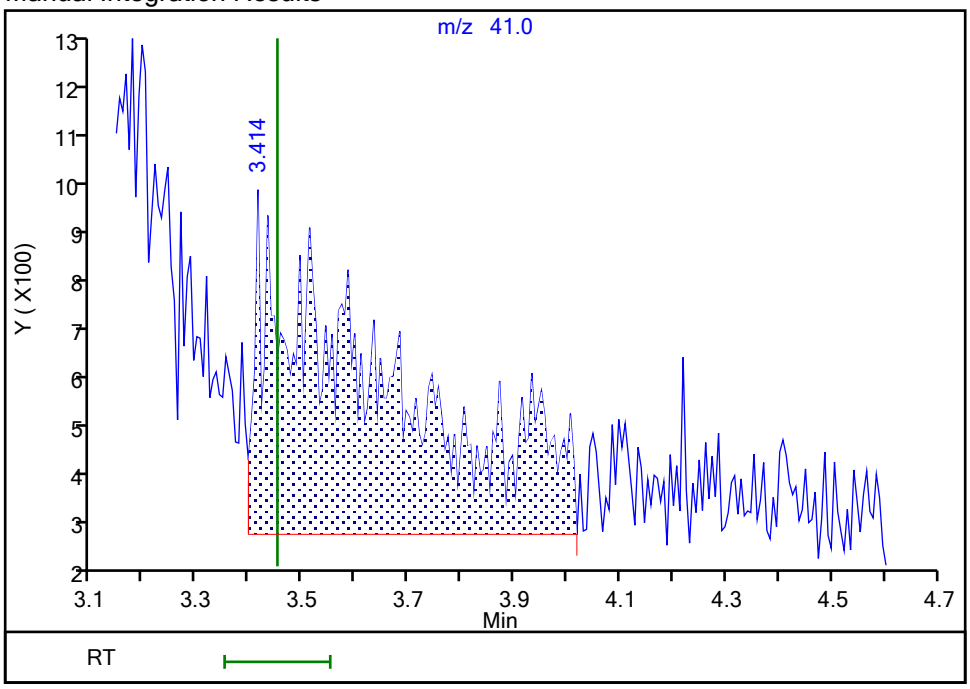
Processing Integration Results

RT: 3.51
Area: 3479
Amount: 0.580220
Amount Units: ug/l



Manual Integration Results

RT: 3.41
Area: 9702
Amount: 2.242612
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:04:57 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X03.D
Lims ID: IC STD.5 Sm
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-Jun-2025 17:46:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-004
Misc. Info.: IC STD.5 SM
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub43

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:01 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 11:04:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.726	1.720	0.006	93	19114	0.5000	0.4487	
3 Chlorodifluoromethane	51	1.775	1.768	0.007	98	45497	0.5000	0.4964	
4 Dimethyl ether	45	1.799	1.805	-0.006	100	68098	0.5000	0.6543	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.086	2.079	0.007	35	34280	0.5000	0.4701	
27 Acetonitrile	41	3.500	3.451	0.049	22	12762	2.50	3.06	a
* 31 t-Butyl alcohol-d10 (IS)	65	3.671	3.671	0.000	98	191221	50.0	50.0	
38 Vinyl acetate	43	4.652	4.640	0.012	97	37404	0.5000	0.4481	
46 Ethyl acetate	43	5.560	5.554	0.006	99	18405	0.5000	0.4559	
63 Isopropyl acetate	43	6.847	6.828	0.019	97	43274	0.5000	0.4775	
* 65 Fluorobenzene (IS)	96	7.146	7.146	0.000	99	2312682	10.0	10.0	
75 n-Propyl acetate	61	8.182	8.170	0.012	98	7837	0.5000	0.4276	
79 2-Chloroethyl vinyl ether	63	8.731	8.724	0.007	93	11822	0.5000	0.4395	
109 n-Butyl acetate	43	10.230	10.224	0.006	97	33981	0.5000	0.4314	
* 111 Chlorobenzene-d5 (IS)	117	10.816	10.816	0.000	86	1746051	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.773	11.772	0.001	97	12144	1.00	0.8122	
123 Cyclohexanone	55	11.797	11.797	0.000	92	26136	25.0	20.8	
* 139 1,4-Dichlorobenzene-d4	152	12.772	12.766	0.006	95	932648	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00049	Amount Added:	0.50	Units: uL
MSV_CCV_CYC_00011	Amount Added:	4.00	Units: uL
MSV_V_SMRV4_00088	Amount Added:	2.50	Units: uL
MSV_HP25_ISO_00013	Amount Added:	1.00	Units: uL
MSV_DME_00064	Amount Added:	0.50	Units: uL

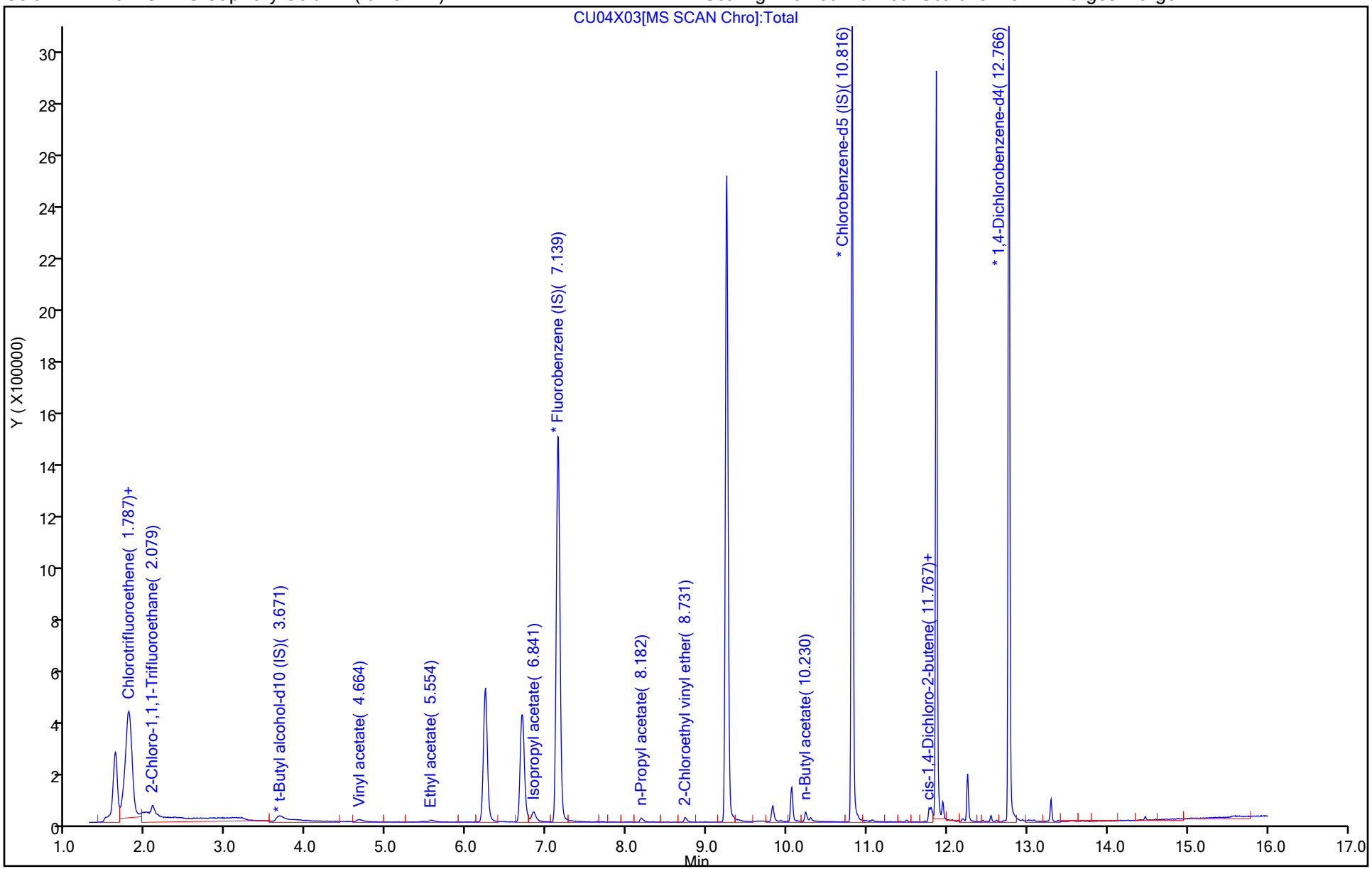
Report Date: 06-Jun-2025 09:18:01 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X03.D

Injection Date:	04-Jun-2025 17:46:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC STD.5 Sm			Worklist Smp#:	4
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

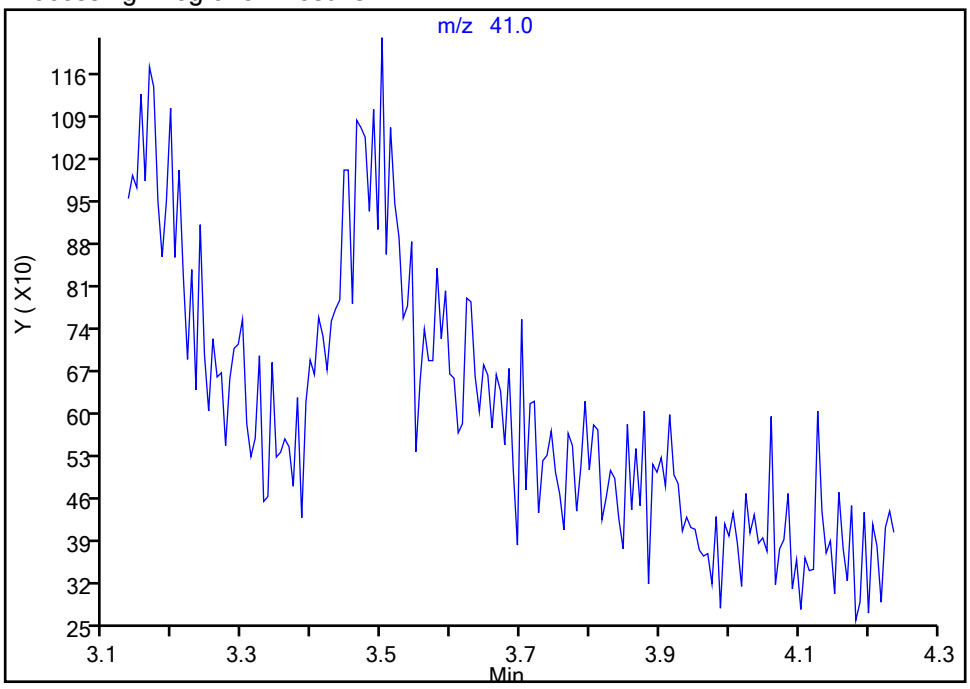
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X03.D				
Injection Date:	04-Jun-2025 17:46:30	Instrument ID:	10193		
Lims ID:	IC STD.5 Sm				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

27 Acetonitrile, CAS: 75-05-8

Signal: 1

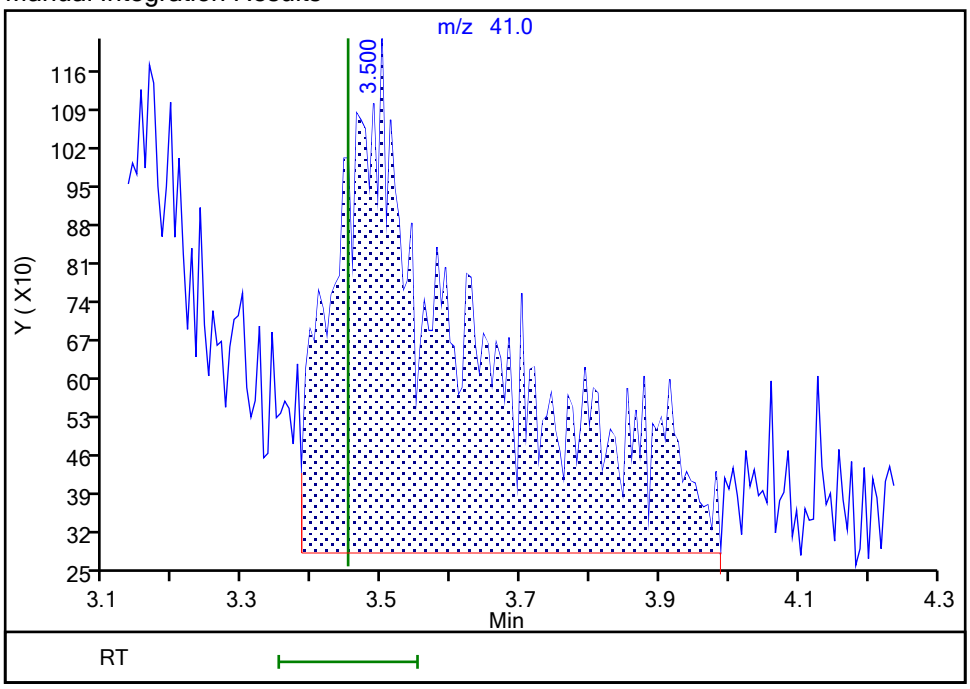
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.50
Area: 12762
Amount: 3.056345
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:04:20 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X04.D
Lims ID: IC STD1 Sm
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-Jun-2025 18:08:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-005
Misc. Info.: IC STD1 SM
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub43

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:04 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 11:04:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.726	1.720	0.006	93	43261	1.00	1.00	
3 Chlorodifluoromethane	51	1.781	1.768	0.013	99	95968	1.00	1.03	
4 Dimethyl ether	45	1.811	1.805	0.006	99	116368	1.00	1.10	M
8 2-Chloro-1,1,1-Trifluoroethane	118	2.091	2.079	0.012	35	72375	1.00	0.9745	
27 Acetonitrile	41	3.457	3.451	0.006	73	22368	5.00	5.26	
* 31 t-Butyl alcohol-d10 (IS)	65	3.664	3.671	-0.007	97	201858	50.0	50.0	
38 Vinyl acetate	43	4.664	4.640	0.024	97	92210	1.00	1.08	
46 Ethyl acetate	43	5.566	5.554	0.012	99	36924	1.00	0.8981	
63 Isopropyl acetate	43	6.841	6.828	0.013	99	90549	1.00	0.9810	
* 65 Fluorobenzene (IS)	96	7.145	7.146	-0.001	99	2355344	10.0	10.0	
75 n-Propyl acetate	61	8.188	8.170	0.018	98	18421	1.00	0.9868	
79 2-Chloroethyl vinyl ether	63	8.730	8.724	0.006	91	26418	1.00	0.9643	
109 n-Butyl acetate	43	10.230	10.224	0.006	98	80192	1.00	0.99	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.816	-0.001	86	1789031	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.773	11.772	0.001	98	26100	2.00	1.70	
123 Cyclohexanone	55	11.803	11.797	0.006	94	67325	50.0	50.7	
* 139 1,4-Dichlorobenzene-d4	152	12.772	12.766	0.006	95	967798	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00049	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00011	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00088	Amount Added:	5.00	Units: uL
MSV_HP25_ISO_00013	Amount Added:	1.00	Units: uL
MSV_DME_00064	Amount Added:	1.00	Units: uL

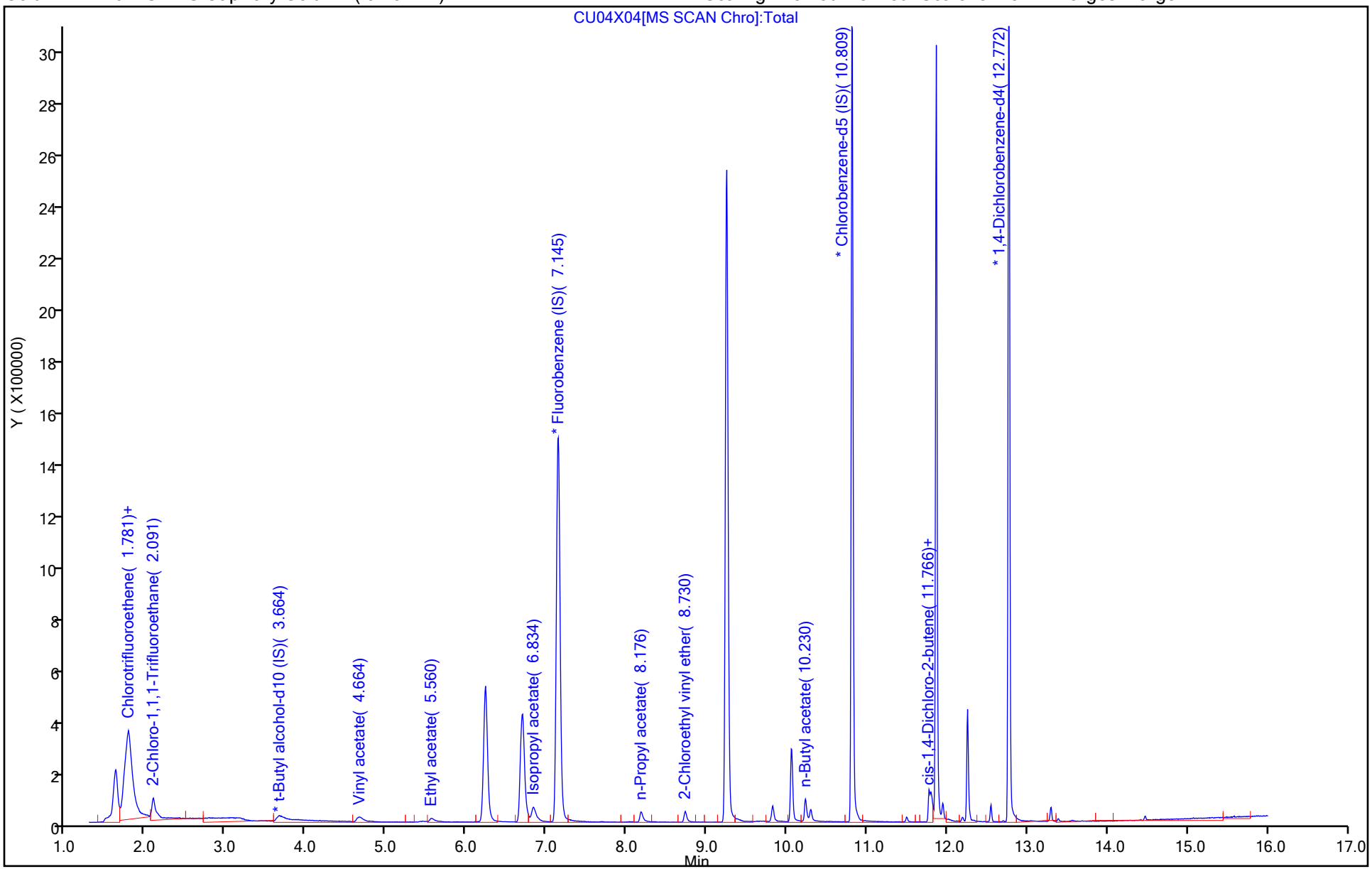
Report Date: 06-Jun-2025 09:18:04 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X04.D

Injection Date:	04-Jun-2025 18:08:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC STD1 Sm			Worklist Smp#:	5
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

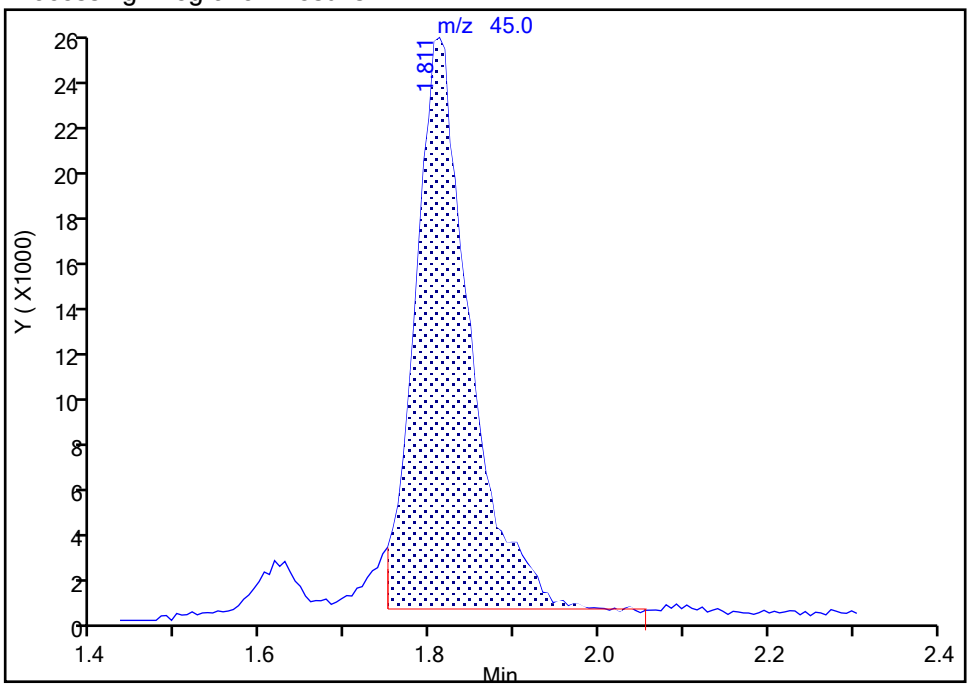
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X04.D				
Injection Date:	04-Jun-2025 18:08:30	Instrument ID:	10193		
Lims ID:	IC STD1 Sm				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

4 Dimethyl ether, CAS: 115-10-6

Signal: 1

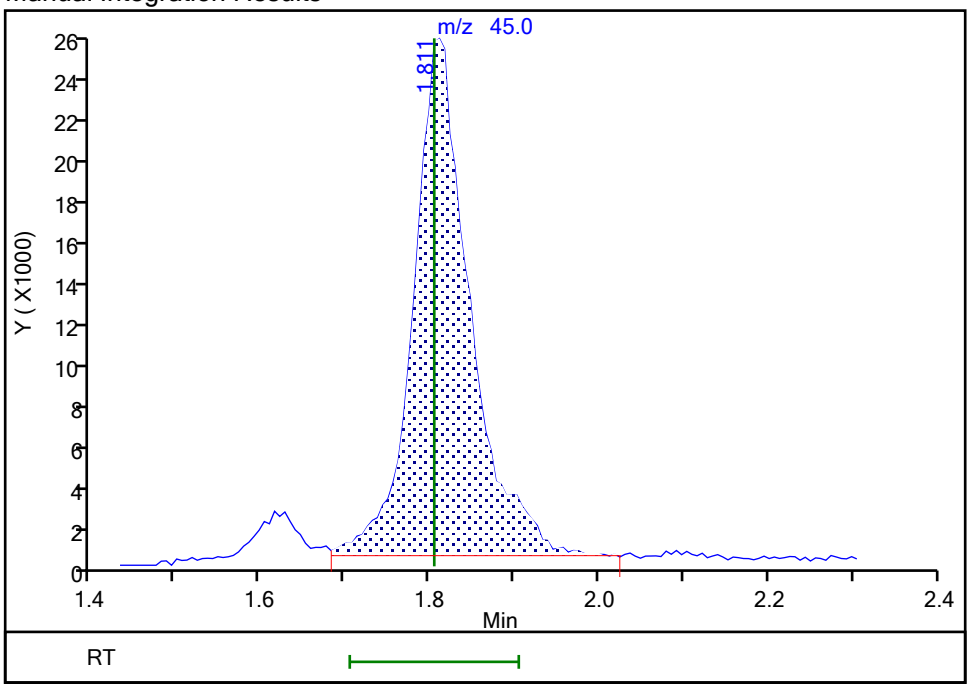
Processing Integration Results

RT: 1.81
Area: 111314
Amount: 1.058569
Amount Units: ug/l



Manual Integration Results

RT: 1.81
Area: 116368
Amount: 1.097838
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:38:24 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Other

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X05.D
Lims ID: IC STD2 Sm
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 04-Jun-2025 18:30:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-006
Misc. Info.: IC STD2 SM
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub43

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:06 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 11:03:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.726	1.720	0.006	93	87401	2.00	2.05	
3 Chlorodifluoromethane	51	1.781	1.768	0.013	84	180151	2.00	1.96	
4 Dimethyl ether	45	1.817	1.805	0.012	99	203565	2.00	1.95	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.092	2.079	0.013	35	150045	2.00	2.06	
27 Acetonitrile	41	3.457	3.451	0.006	95	40045	10.0	9.58	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.671	3.671	0.000	97	201447	50.0	50.0	
38 Vinyl acetate	43	4.664	4.640	0.024	97	165440	2.00	1.98	
46 Ethyl acetate	43	5.567	5.554	0.013	99	77255	2.00	1.91	
63 Isopropyl acetate	43	6.841	6.828	0.013	98	172472	2.00	1.90	
* 65 Fluorobenzene (IS)	96	7.145	7.146	-0.001	99	2315509	10.0	10.0	
75 n-Propyl acetate	61	8.176	8.170	0.006	99	37020	2.00	2.02	
79 2-Chloroethyl vinyl ether	63	8.731	8.724	0.007	93	54643	2.00	2.03	
109 n-Butyl acetate	43	10.230	10.224	0.006	97	155032	2.00	1.96	
* 111 Chlorobenzene-d5 (IS)	117	10.816	10.816	0.000	86	1754507	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.773	11.772	0.001	97	57340	4.00	3.82	
123 Cyclohexanone	55	11.797	11.797	0.000	91	138781	100.0	104.7	
* 139 1,4-Dichlorobenzene-d4	152	12.772	12.766	0.006	95	948063	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00049	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00011	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00088	Amount Added:	5.00	Units: uL
MSV_HP25_ISO_00013	Amount Added:	1.00	Units: uL
MSV_DME_00064	Amount Added:	1.00	Units: uL

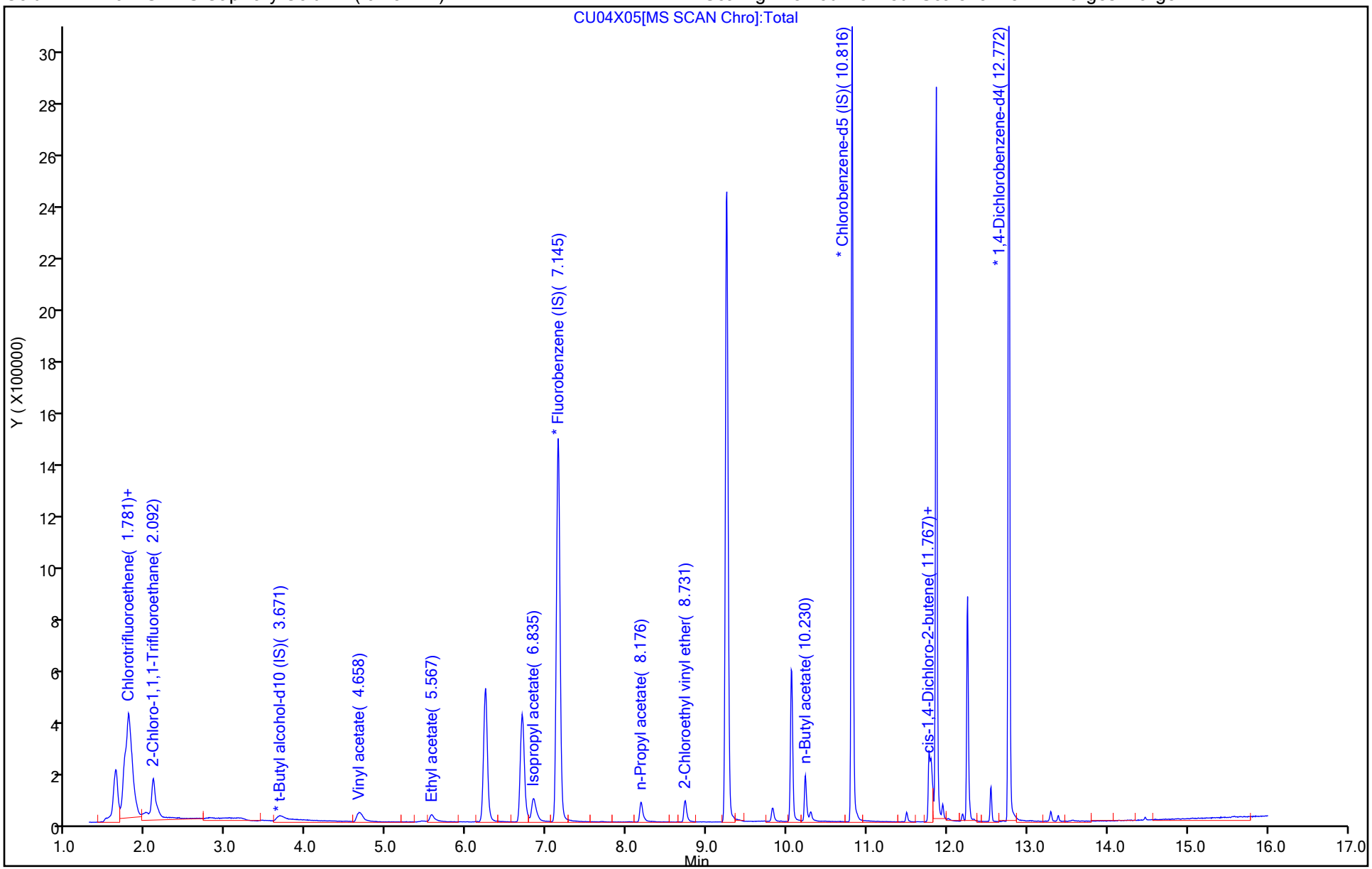
Report Date: 06-Jun-2025 09:18:06 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X05.D

Injection Date:	04-Jun-2025 18:30:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC STD2 Sm			Worklist Smp#:	6
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

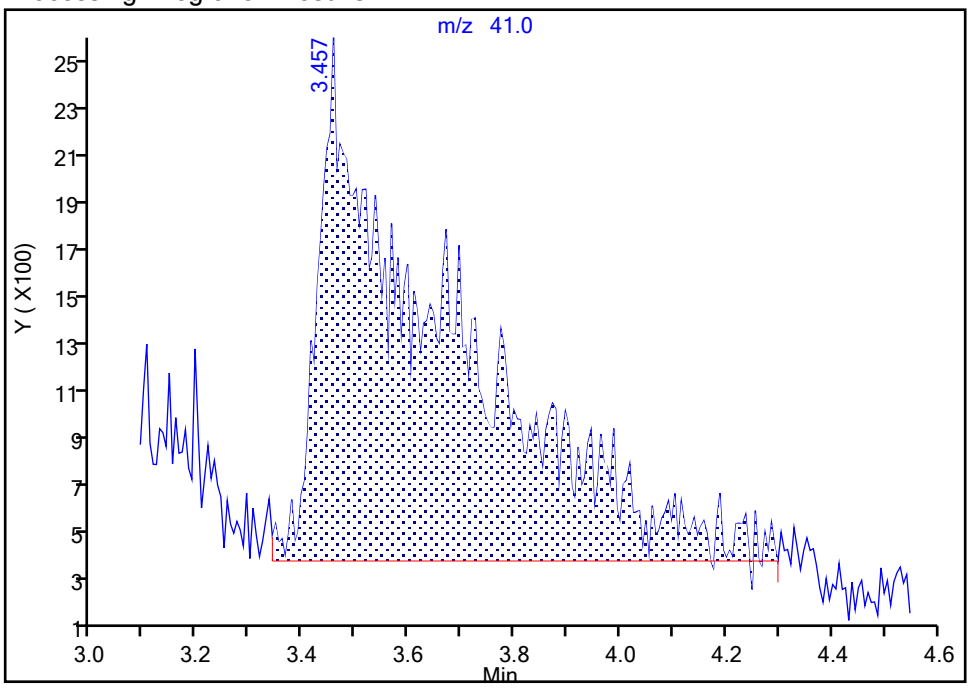
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X05.D				
Injection Date:	04-Jun-2025 18:30:30	Instrument ID:	10193		
Lims ID:	IC STD2 Sm				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

27 Acetonitrile, CAS: 75-05-8

Signal: 1

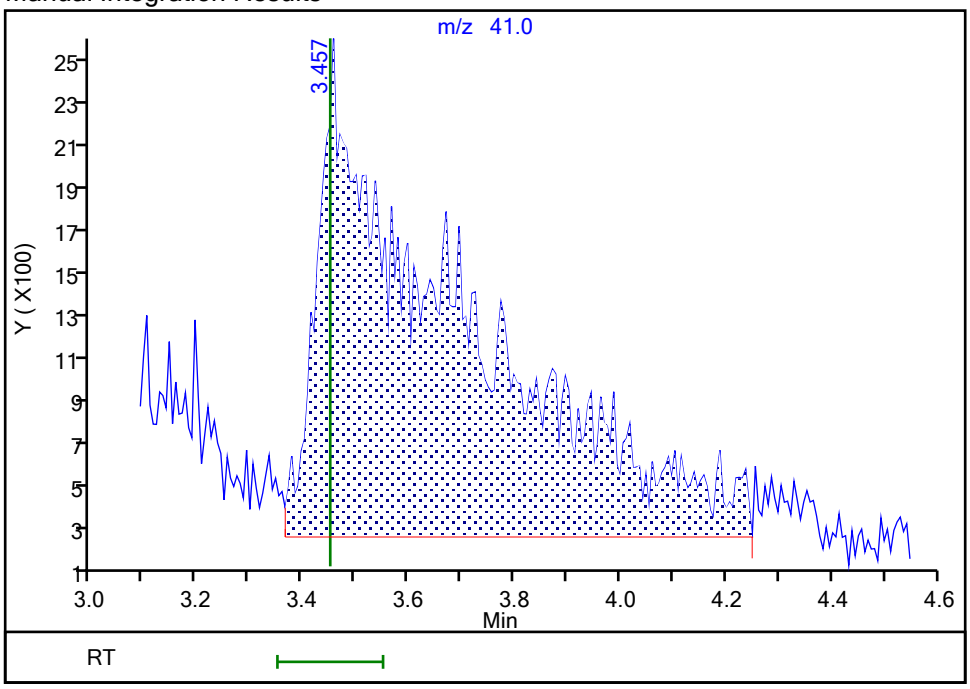
Processing Integration Results

RT: 3.46
Area: 34237
Amount: 8.313517
Amount Units: ug/l



Manual Integration Results

RT: 3.46
Area: 40045
Amount: 9.578584
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:03:50 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X06.D
Lims ID: IC STD5 Sm
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 04-Jun-2025 18:53:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-007
Misc. Info.: IC STD5 SM
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub43

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:08 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 11:03:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.720	1.720	0.000	92	219172	5.00	4.99	
3 Chlorodifluoromethane	51	1.775	1.768	0.007	98	447076	5.00	4.73	
4 Dimethyl ether	45	1.811	1.805	0.006	99	437163	5.00	4.08	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.085	2.079	0.006	72	371184	5.00	4.94	
27 Acetonitrile	41	3.451	3.451	0.000	65	100216	25.0	23.3	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.664	3.671	-0.007	97	182461	50.0	50.0	
38 Vinyl acetate	43	4.652	4.640	0.012	97	413433	5.00	4.81	
46 Ethyl acetate	43	5.560	5.554	0.006	99	217786	5.00	5.24	
63 Isopropyl acetate	43	6.828	6.828	0.000	98	484088	5.00	5.18	
* 65 Fluorobenzene (IS)	96	7.139	7.146	-0.007	99	2383363	10.0	10.0	
75 n-Propyl acetate	61	8.176	8.170	0.006	99	102902	5.00	5.45	
79 2-Chloroethyl vinyl ether	63	8.724	8.724	0.000	93	140307	5.00	5.06	
109 n-Butyl acetate	43	10.224	10.224	0.000	98	430681	5.00	5.33	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.816	-0.001	86	1790055	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.773	11.772	0.001	98	150756	10.0	9.84	
123 Cyclohexanone	55	11.797	11.797	0.000	93	317052	250.0	264.1	
* 139 1,4-Dichlorobenzene-d4	152	12.772	12.766	0.006	95	952530	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00049	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00011	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00088	Amount Added:	5.00	Units: uL
MSV_HP25_ISO_00013	Amount Added:	1.00	Units: uL
MSV_DME_00064	Amount Added:	1.00	Units: uL

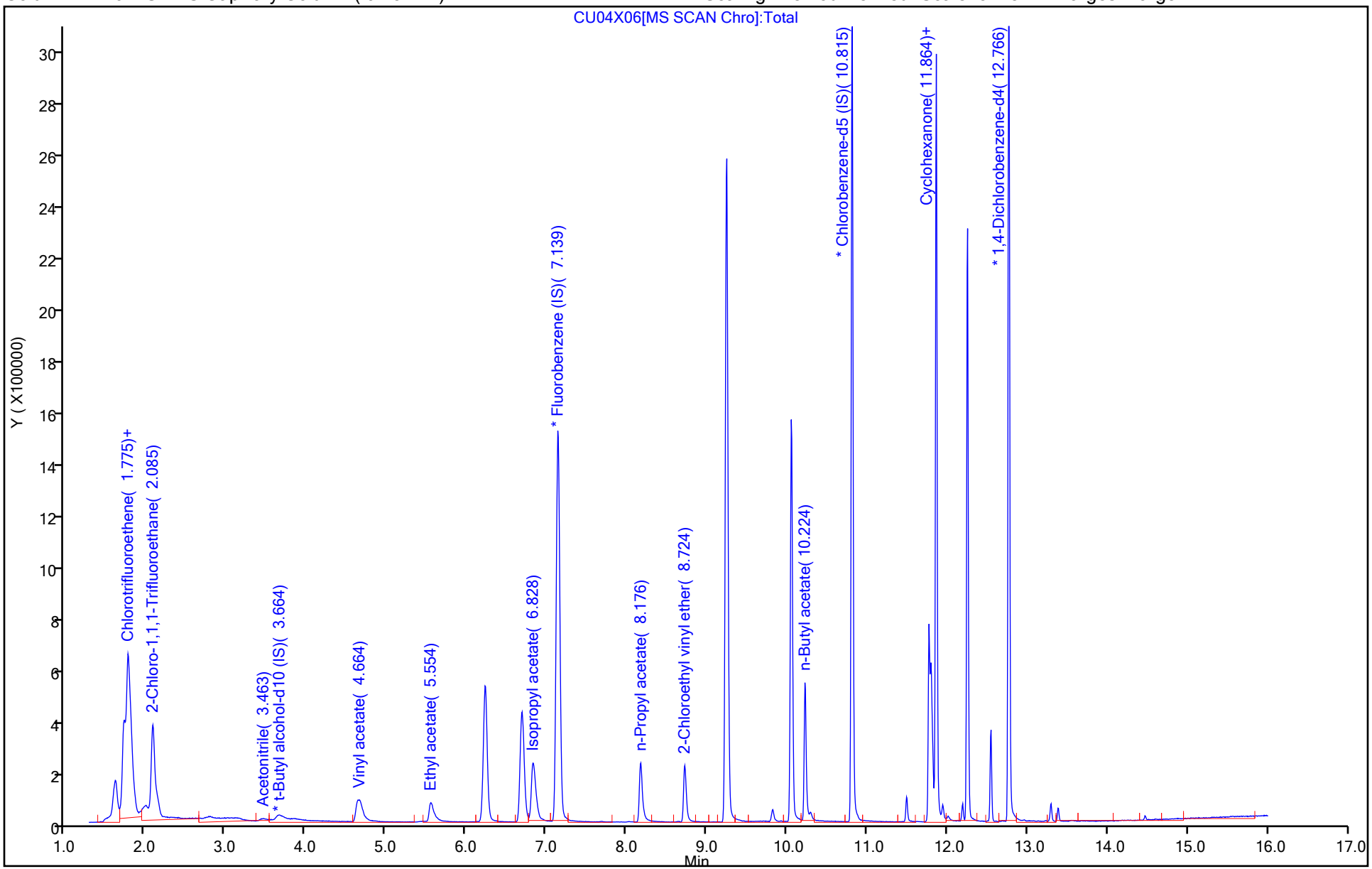
Report Date: 06-Jun-2025 09:18:08 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X06.D

Injection Date:	04-Jun-2025 18:53:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC STD5 Sm			Worklist Smp#:	7
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

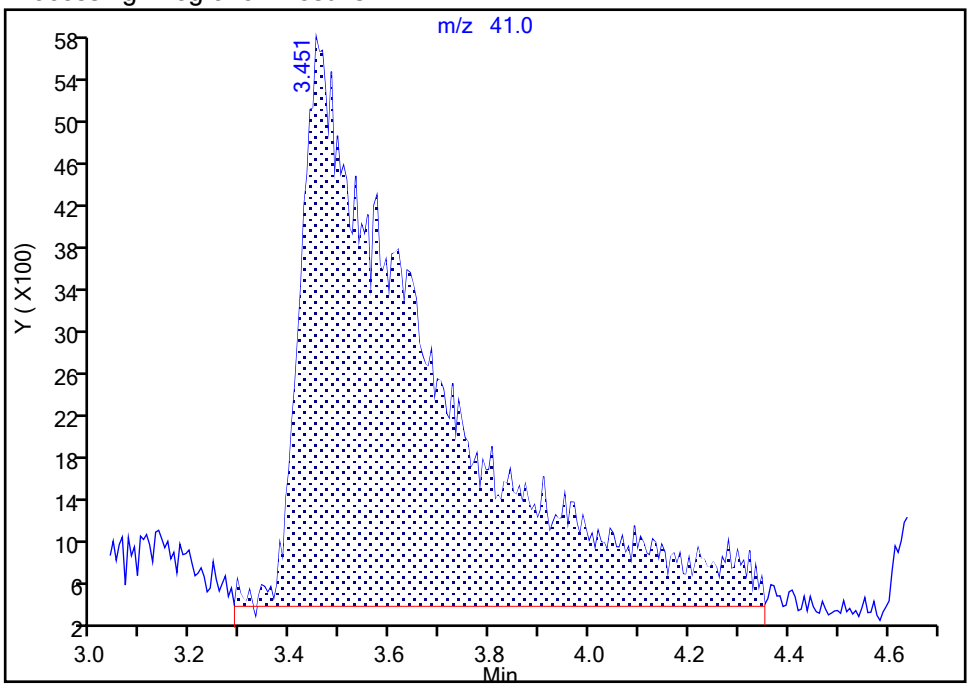
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X06.D				
Injection Date:	04-Jun-2025 18:53:30	Instrument ID:	10193		
Lims ID:	IC STD5 Sm				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

27 Acetonitrile, CAS: 75-05-8

Signal: 1

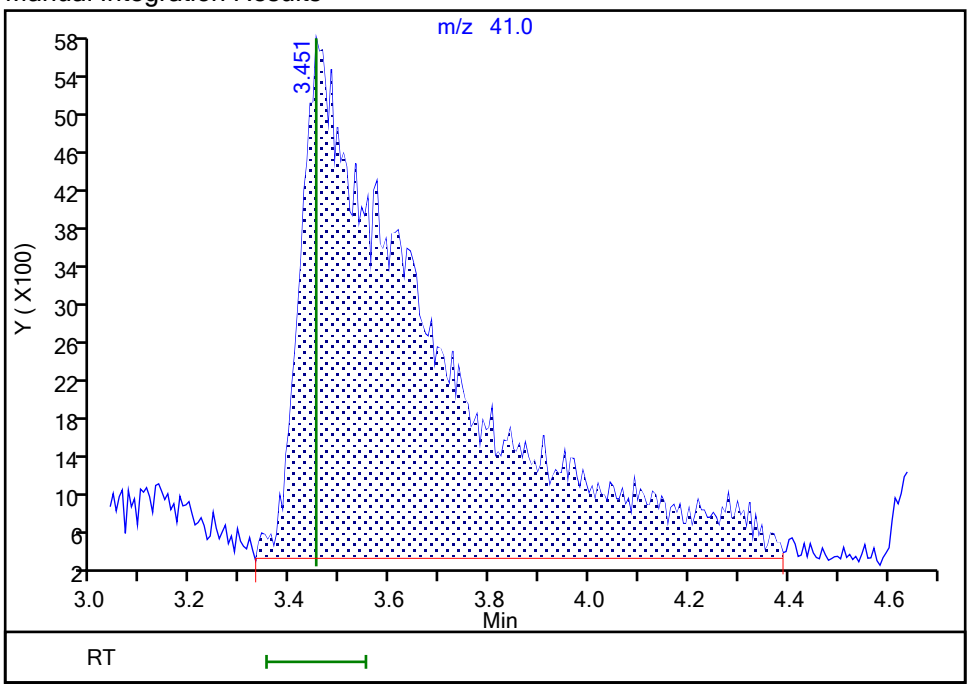
Processing Integration Results

RT: 3.45
Area: 95026
Amount: 23.717735
Amount Units: ug/l



Manual Integration Results

RT: 3.45
Area: 100216
Amount: 23.288760
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:03:20 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X07.D
Lims ID: IC STD10 Sm
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 04-Jun-2025 19:15:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-008
Misc. Info.: IC STD10 SM
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub43

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:10 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 11:02:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.720	1.720	0.000	92	460005	10.0	10.5	
3 Chlorodifluoromethane	51	1.768	1.768	0.000	98	916349	10.0	9.68	
4 Dimethyl ether	45	1.805	1.805	0.000	99	1004202	10.0	9.34	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.079	2.079	0.000	92	761779	10.0	10.1	
27 Acetonitrile	41	3.451	3.451	0.000	100	202276	50.0	46.9	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.652	3.652	0.000	97	203337	50.0	50.0	
38 Vinyl acetate	43	4.640	4.640	0.000	97	834061	10.0	9.67	
46 Ethyl acetate	43	5.554	5.554	0.000	99	444702	10.0	10.7	
63 Isopropyl acetate	43	6.828	6.828	0.000	98	977444	10.0	10.4	
* 65 Fluorobenzene (IS)	96	7.139	7.139	0.000	99	2389472	10.0	10.0	
75 n-Propyl acetate	61	8.170	8.170	0.000	99	211563	10.0	11.2	
79 2-Chloroethyl vinyl ether	63	8.724	8.724	0.000	93	297417	10.0	10.7	
109 n-Butyl acetate	43	10.224	10.224	0.000	98	887440	10.0	10.8	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.815	0.000	86	1820742	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.772	11.772	0.000	97	345004	20.0	22.1	
123 Cyclohexanone	55	11.797	11.797	0.000	93	703088	500.0	525.4	
* 139 1,4-Dichlorobenzene-d4	152	12.772	12.772	0.000	95	964608	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00049	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00011	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00088	Amount Added:	5.00	Units: uL
MSV_HP25_ISO_00013	Amount Added:	1.00	Units: uL
MSV_DME_00064	Amount Added:	1.00	Units: uL

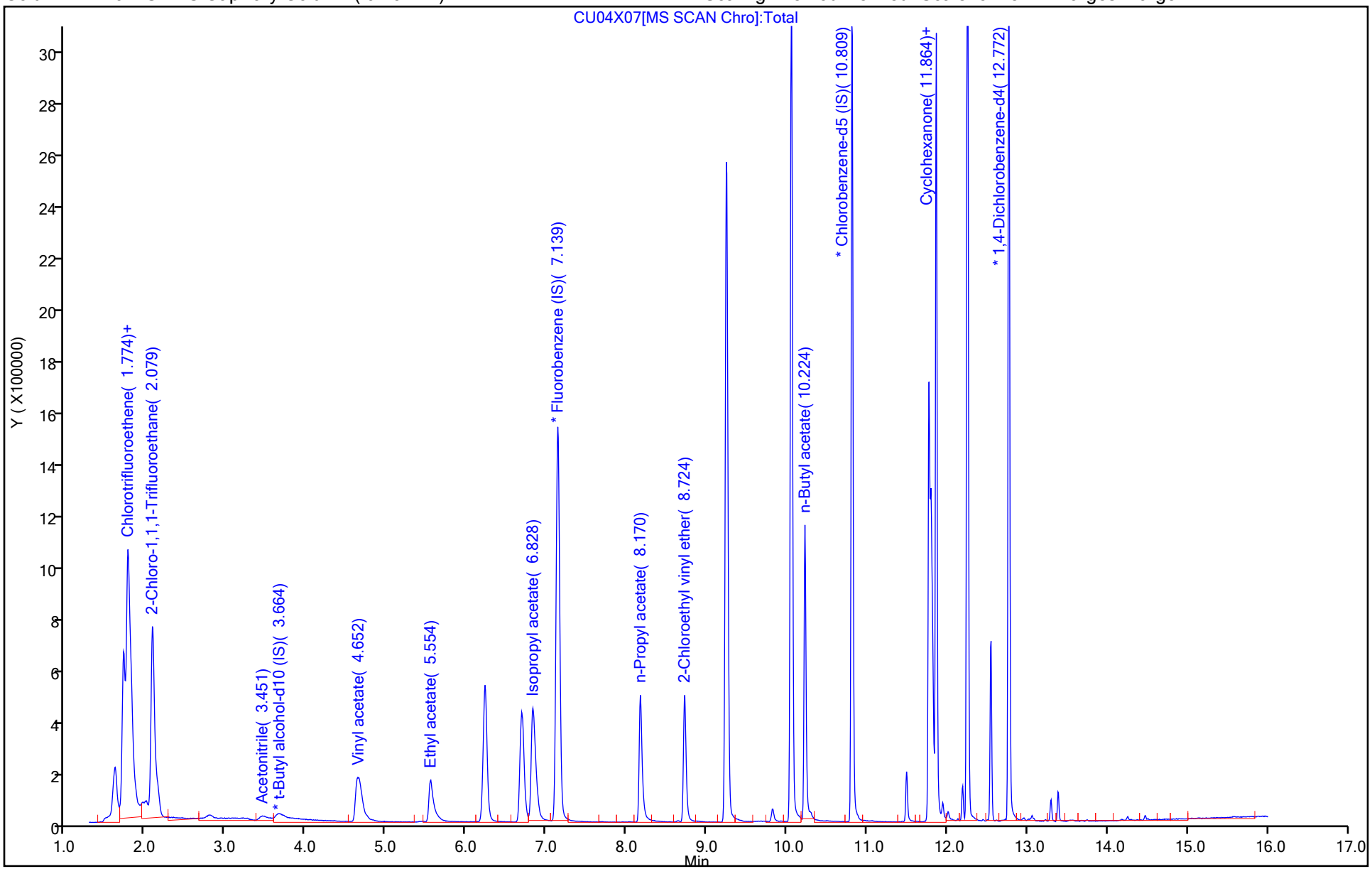
Report Date: 06-Jun-2025 09:18:11 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X07.D

Injection Date:	04-Jun-2025 19:15:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC STD10 Sm			Worklist Smp#:	8
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

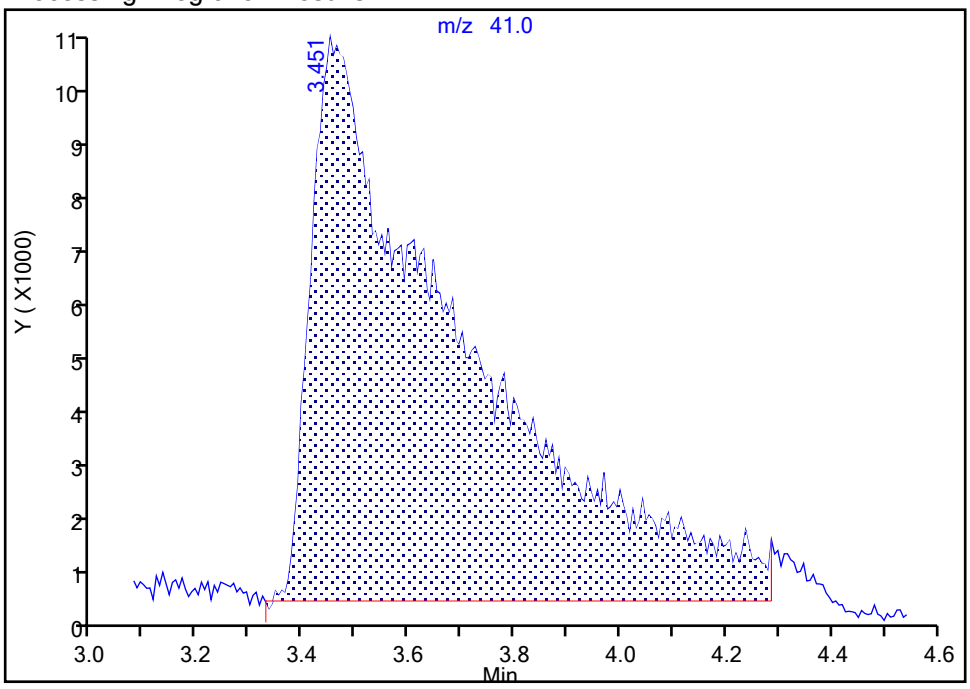
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X07.D				
Injection Date:	04-Jun-2025 19:15:30	Instrument ID:	10193		
Lims ID:	IC STD10 Sm				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

27 Acetonitrile, CAS: 75-05-8

Signal: 1

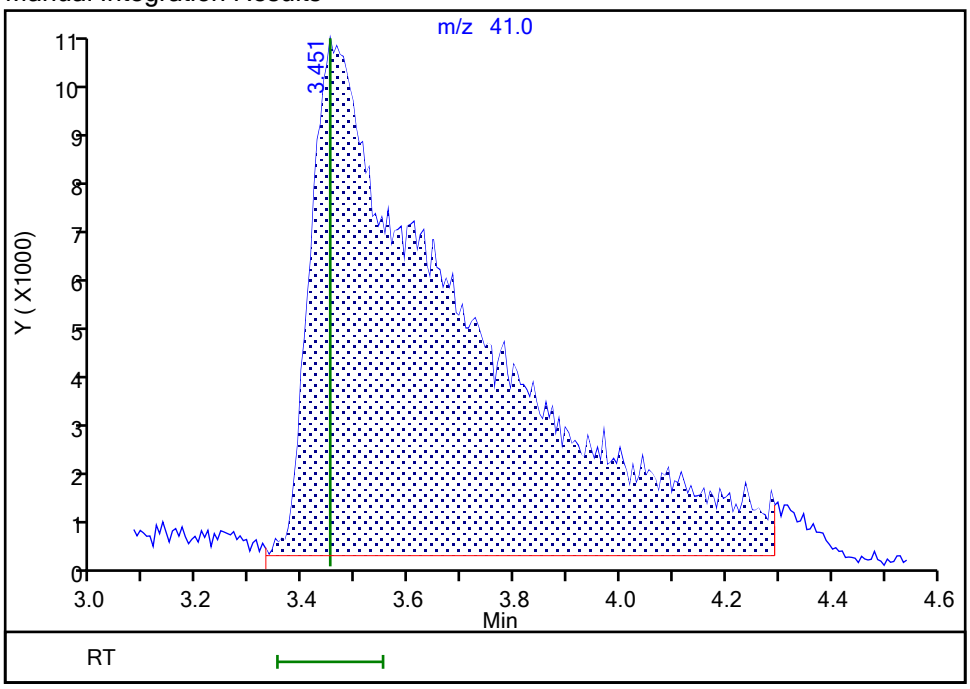
Processing Integration Results

RT: 3.45
Area: 194178
Amount: 50.695968
Amount Units: ug/l



Manual Integration Results

RT: 3.45
Area: 202276
Amount: 46.885862
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:02:32 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X08.D
Lims ID: IC STD25 Sm
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 04-Jun-2025 19:37:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-009
Misc. Info.: IC STD25 SM
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub43

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:14 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 11:03:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.726	1.720	0.006	94	1164602	25.0	27.7	
3 Chlorodifluoromethane	51	1.775	1.768	0.007	98	2297943	25.0	25.4	
4 Dimethyl ether	45	1.805	1.805	0.000	99	2229899	25.0	21.7	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.086	2.079	0.007	35	1903101	25.0	26.4	
27 Acetonitrile	41	3.482	3.451	0.031	99	463075	125.0	112.3	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.683	3.652	0.031	97	188362	50.0	50.0	
38 Vinyl acetate	43	4.652	4.640	0.012	97	1765540	25.0	21.4	
46 Ethyl acetate	43	5.554	5.554	0.000	99	999028	25.0	25.1	
63 Isopropyl acetate	43	6.829	6.828	0.001	98	2257196	25.0	25.2	
* 65 Fluorobenzene (IS)	96	7.139	7.139	0.000	99	2283948	10.0	10.0	
75 n-Propyl acetate	61	8.170	8.170	0.000	99	488261	25.0	27.0	
79 2-Chloroethyl vinyl ether	63	8.725	8.724	0.001	92	753907	25.0	28.4	
109 n-Butyl acetate	43	10.224	10.224	0.000	98	2072513	25.0	26.3	
* 111 Chlorobenzene-d5 (IS)	117	10.816	10.815	0.001	86	1746340	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.773	11.772	0.001	98	964543	50.0	64.5	
123 Cyclohexanone	55	11.797	11.797	0.000	93	1771793	1249.9	1429.4	
* 139 1,4-Dichlorobenzene-d4	152	12.773	12.772	0.000	95	924144	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00049	Amount Added: 2.50	Units: uL
MSV_CCV_CYC_00011	Amount Added: 20.00	Units: uL
MSV_V_SMRV4_00088	Amount Added: 12.50	Units: uL
MSV_HP25_ISO_00013	Amount Added: 1.00	Units: uL
MSV_DME_00064	Amount Added: 2.50	Units: uL

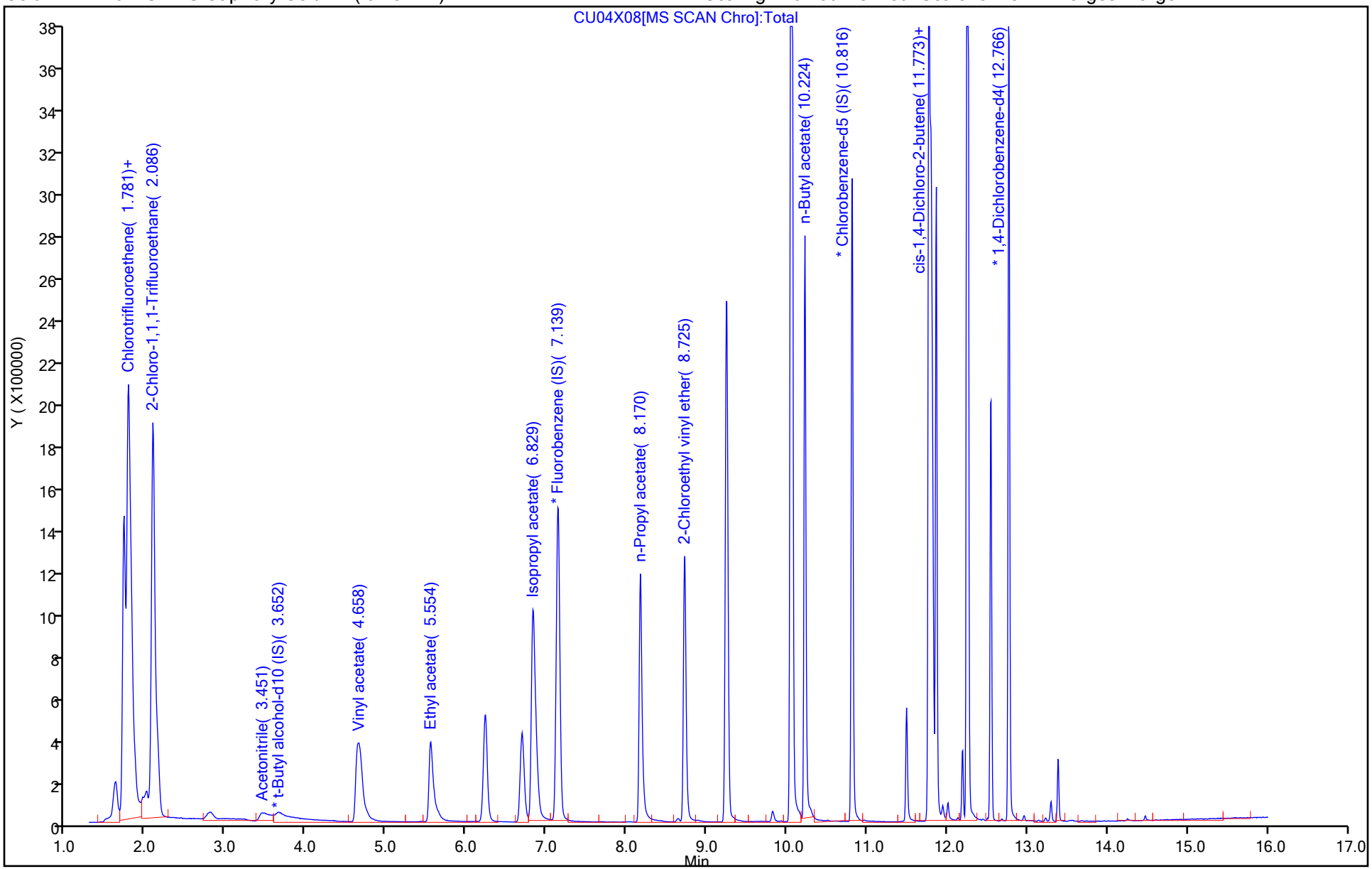
Report Date: 06-Jun-2025 09:18:14 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X08.D

Injection Date:	04-Jun-2025 19:37:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC STD25 Sm			Worklist Smp#:	9
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

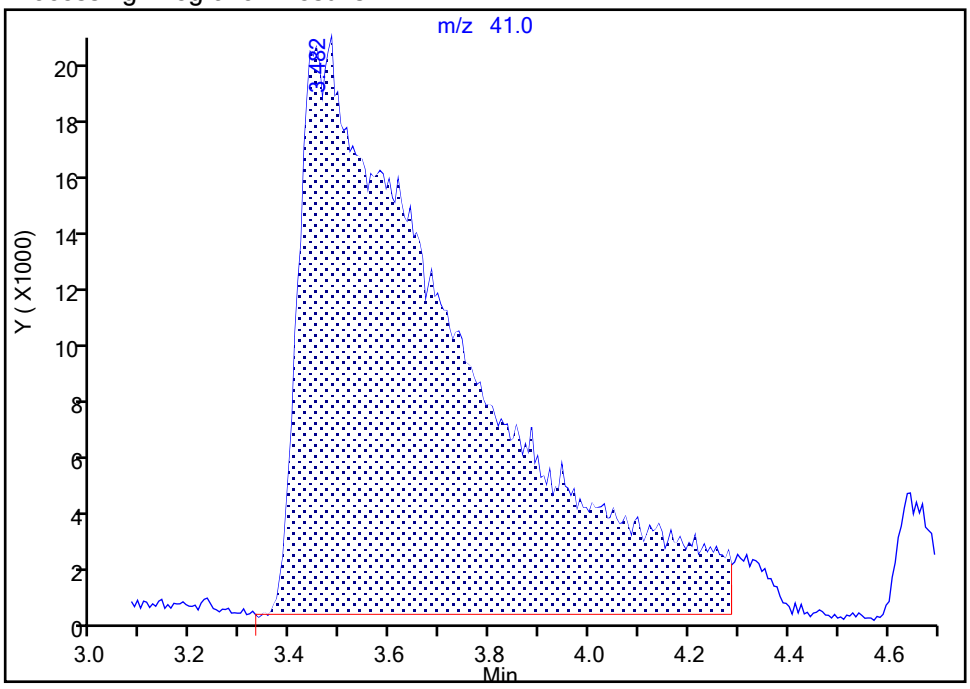
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X08.D				
Injection Date:	04-Jun-2025 19:37:30	Instrument ID:	10193		
Lims ID:	IC STD25 Sm				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

27 Acetonitrile, CAS: 75-05-8

Signal: 1

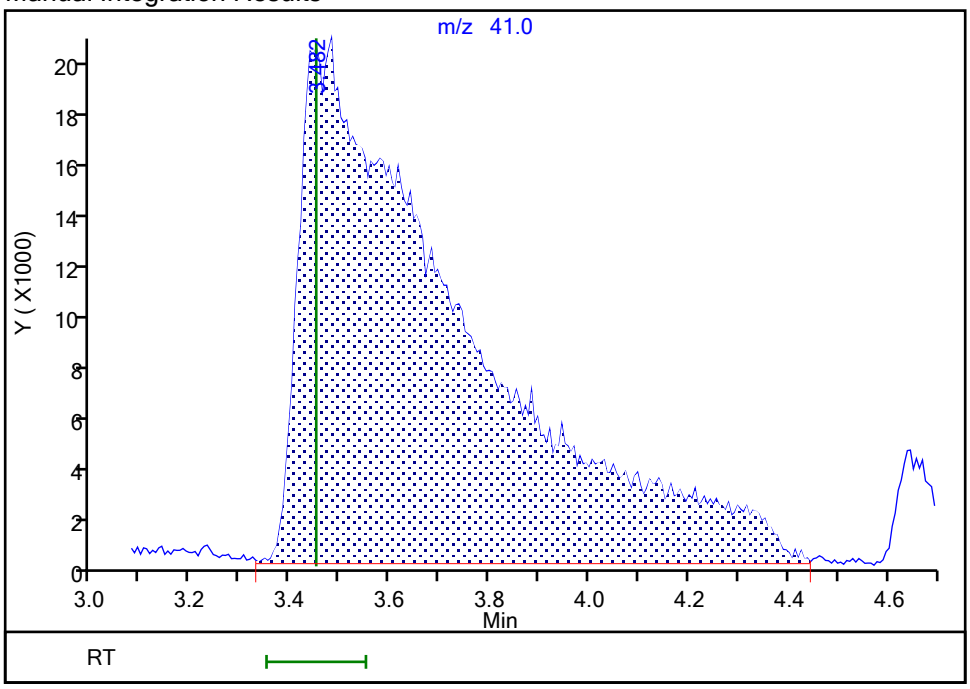
Processing Integration Results

RT: 3.48
Area: 446140
Amount: 124.8460
Amount Units: ug/l



Manual Integration Results

RT: 3.48
Area: 463075
Amount: 112.2961
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:02:57 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Calibration / Chlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

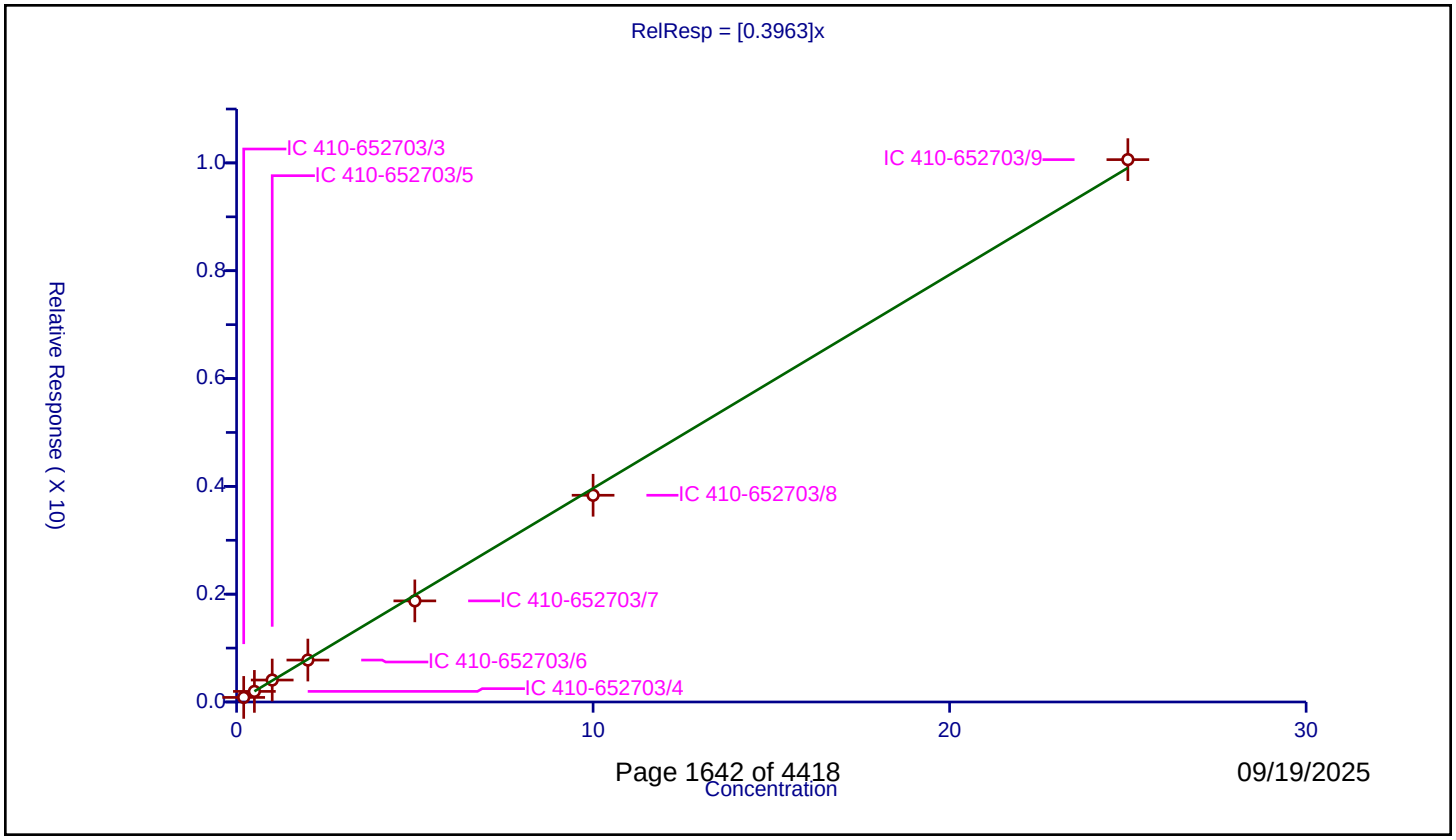
Curve Coefficients

Intercept:	0
Slope:	0.3963

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/3	0.2	0.084646	10.0	2396109.0	0.423228	Y
2	IC 410-652703/4	0.5	0.196728	10.0	2312682.0	0.393457	Y
3	IC 410-652703/5	1.0	0.407448	10.0	2355344.0	0.407448	Y
4	IC 410-652703/6	2.0	0.778019	10.0	2315509.0	0.38901	Y
5	IC 410-652703/7	5.0	1.87582	10.0	2383363.0	0.375164	Y
6	IC 410-652703/8	10.0	3.834943	10.0	2389472.0	0.383494	Y
7	IC 410-652703/9	25.0	10.061275	10.0	2283948.0	0.402451	Y



Calibration / Dimethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

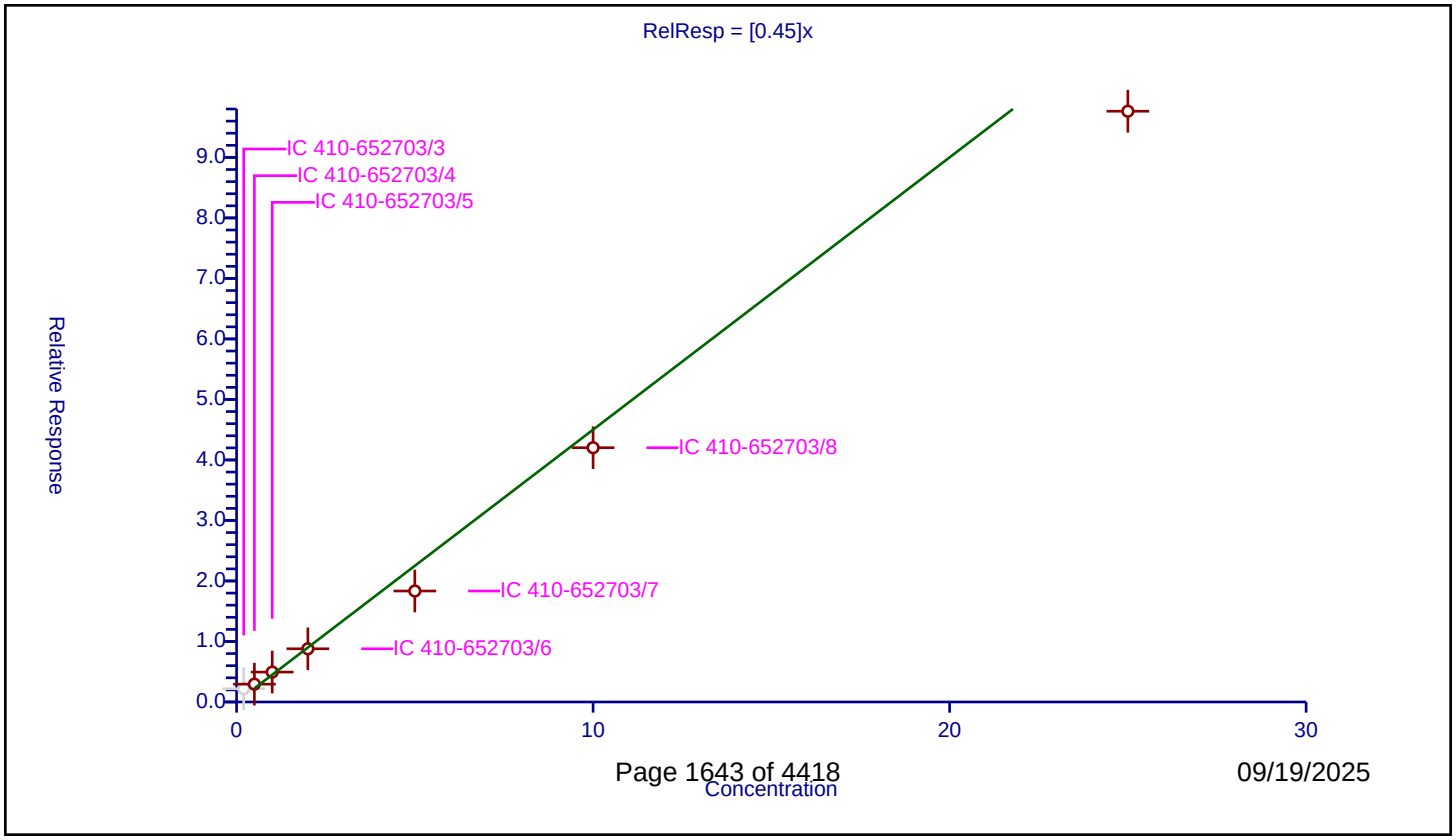
Curve Coefficients

Intercept:	0
Slope:	0.45

Error Coefficients

Relative Standard Deviation:	18.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/3	0.2	0.218913	10.0	2396109.0	1.094566	N
2	IC 410-652703/4	0.5	0.294455	10.0	2312682.0	0.588909	Y
3	IC 410-652703/5	1.0	0.494059	10.0	2355344.0	0.494059	Y
4	IC 410-652703/6	2.0	0.879137	10.0	2315509.0	0.439569	Y
5	IC 410-652703/7	5.0	1.834228	10.0	2383363.0	0.366846	Y
6	IC 410-652703/8	10.0	4.20261	10.0	2389472.0	0.420261	Y
7	IC 410-652703/9	25.0	9.763353	10.0	2283948.0	0.390534	Y



Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

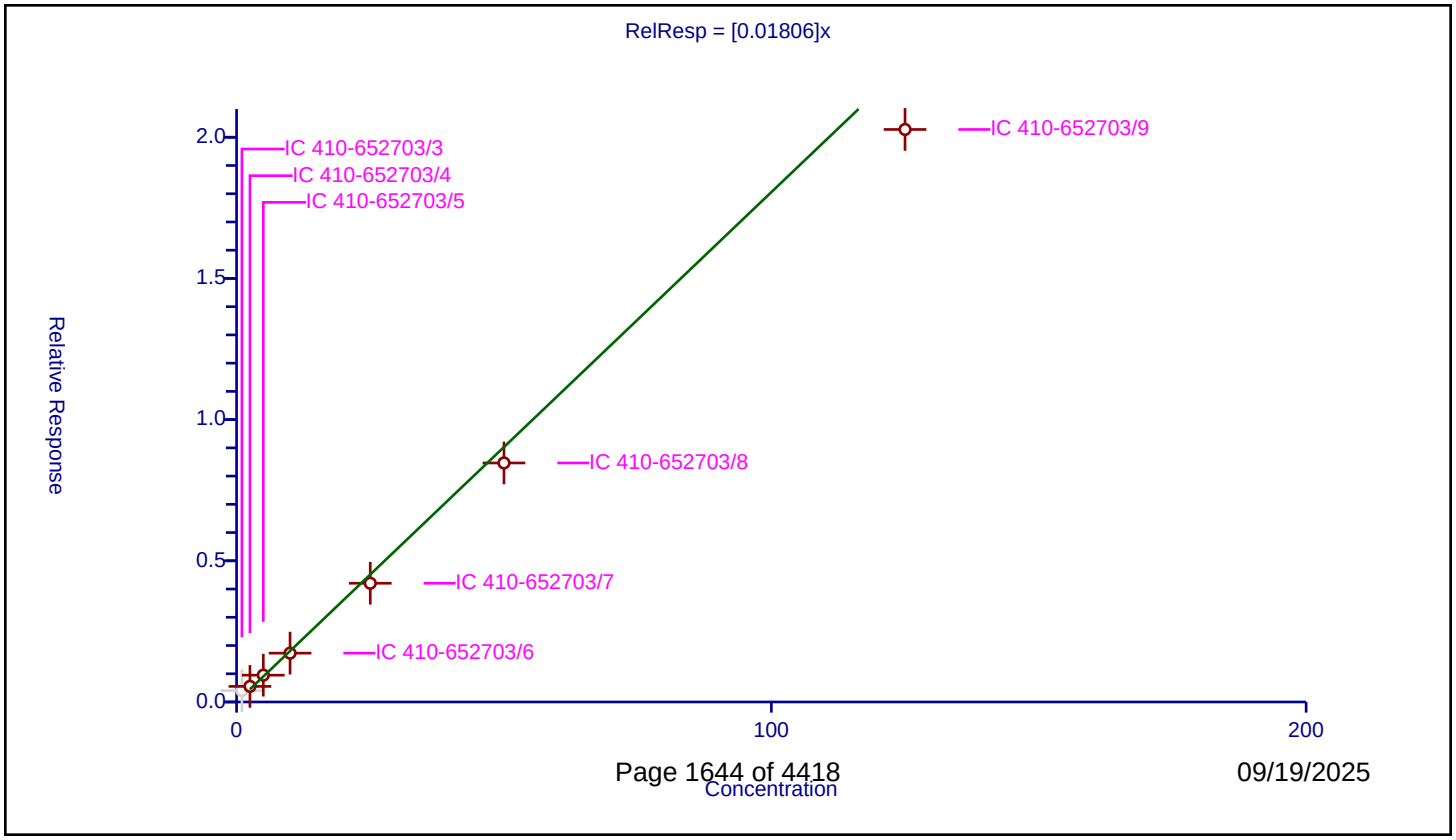
Curve Coefficients

Intercept:	0
Slope:	0.01806

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/3	1.0	0.040491	10.0	2396109.0	0.040491	N
2	IC 410-652703/4	2.5	0.055183	10.0	2312682.0	0.022073	Y
3	IC 410-652703/5	5.0	0.094967	10.0	2355344.0	0.018993	Y
4	IC 410-652703/6	10.0	0.172943	10.0	2315509.0	0.017294	Y
5	IC 410-652703/7	25.0	0.420481	10.0	2383363.0	0.016819	Y
6	IC 410-652703/8	50.0	0.84653	10.0	2389472.0	0.016931	Y
7	IC 410-652703/9	125.0	2.02752	10.0	2283948.0	0.01622	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

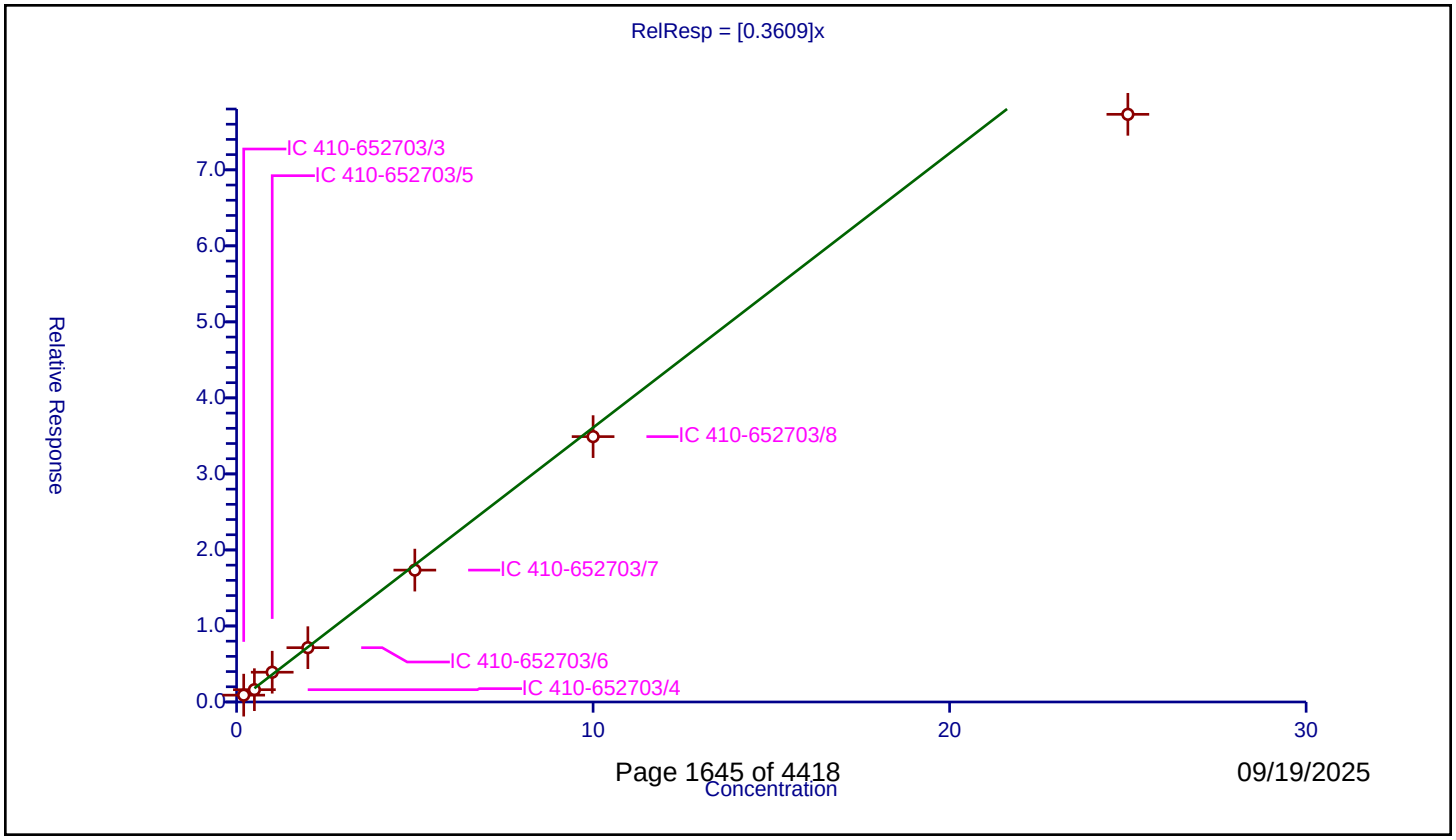
Curve Coefficients

Intercept:	0
Slope:	0.3609

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/3	0.2	0.089808	10.0	2396109.0	0.449041	Y
2	IC 410-652703/4	0.5	0.161734	10.0	2312682.0	0.323469	Y
3	IC 410-652703/5	1.0	0.391493	10.0	2355344.0	0.391493	Y
4	IC 410-652703/6	2.0	0.714487	10.0	2315509.0	0.357243	Y
5	IC 410-652703/7	5.0	1.734662	10.0	2383363.0	0.346932	Y
6	IC 410-652703/8	10.0	3.490566	10.0	2389472.0	0.349057	Y
7	IC 410-652703/9	25.0	7.730211	10.0	2283948.0	0.309208	Y



Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

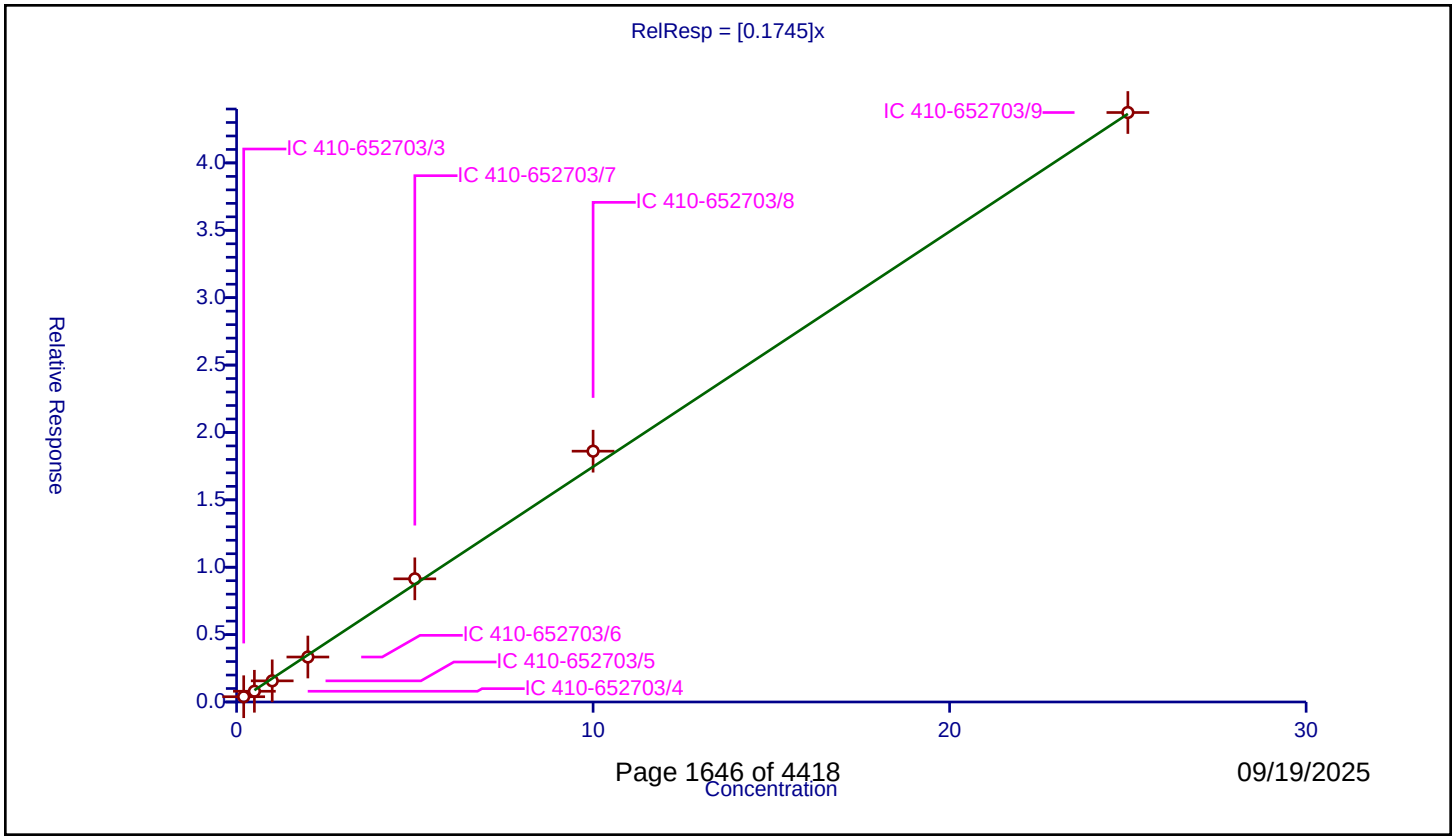
Curve Coefficients

Intercept:	0
Slope:	0.1745

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/3	0.2	0.039051	10.0	2396109.0	0.195254	Y
2	IC 410-652703/4	0.5	0.079583	10.0	2312682.0	0.159166	Y
3	IC 410-652703/5	1.0	0.156767	10.0	2355344.0	0.156767	Y
4	IC 410-652703/6	2.0	0.333642	10.0	2315509.0	0.166821	Y
5	IC 410-652703/7	5.0	0.913776	10.0	2383363.0	0.182755	Y
6	IC 410-652703/8	10.0	1.861089	10.0	2389472.0	0.186109	Y
7	IC 410-652703/9	25.0	4.374128	10.0	2283948.0	0.174965	Y



Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

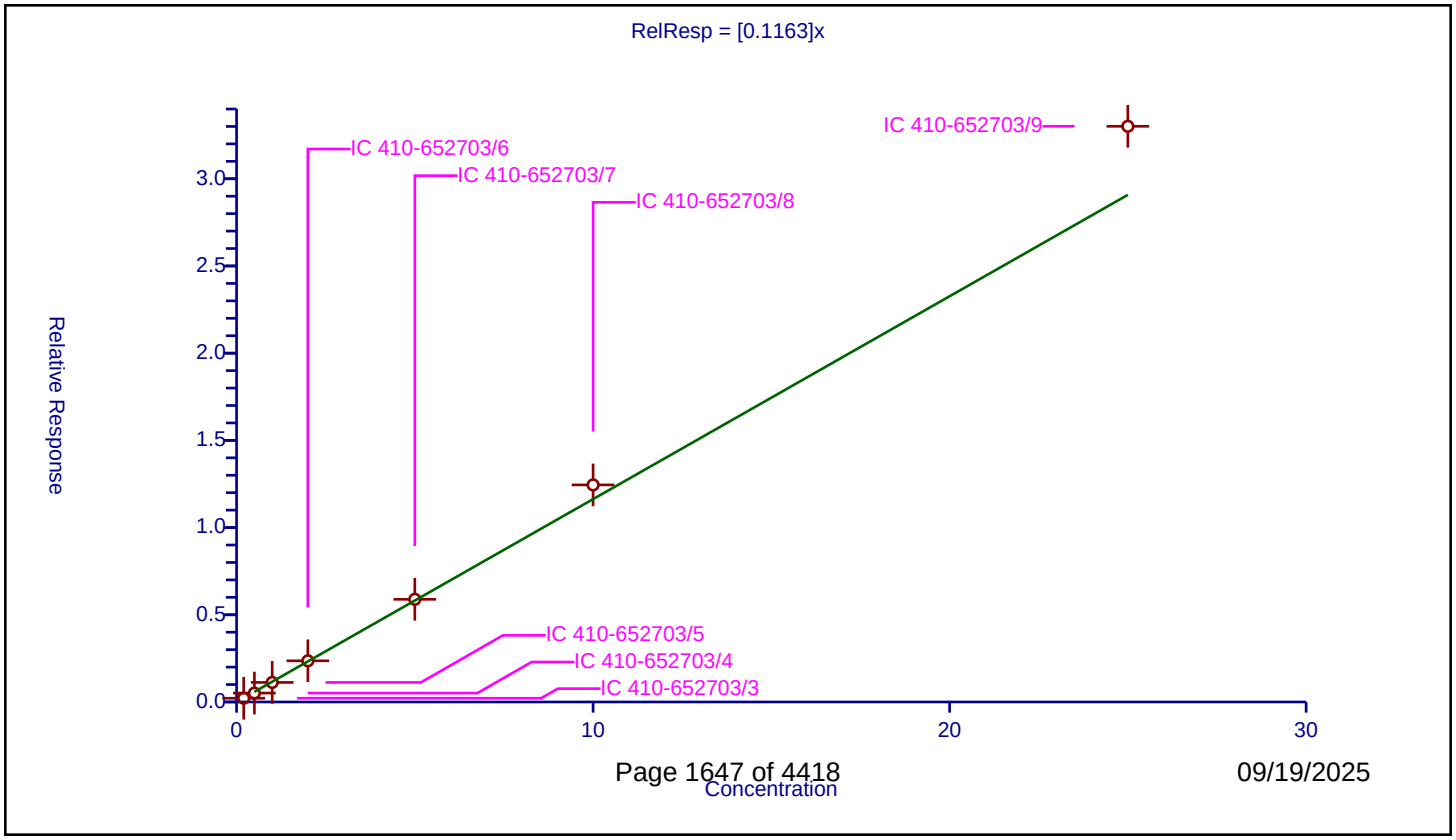
Curve Coefficients

Intercept:	0
Slope:	0.1163

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/3	0.2	0.021514	10.0	2396109.0	0.10757	Y
2	IC 410-652703/4	0.5	0.051118	10.0	2312682.0	0.102236	Y
3	IC 410-652703/5	1.0	0.112162	10.0	2355344.0	0.112162	Y
4	IC 410-652703/6	2.0	0.235987	10.0	2315509.0	0.117993	Y
5	IC 410-652703/7	5.0	0.588693	10.0	2383363.0	0.117739	Y
6	IC 410-652703/8	10.0	1.244698	10.0	2389472.0	0.12447	Y
7	IC 410-652703/9	25.0	3.300894	10.0	2283948.0	0.132036	Y



Calibration / cis-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

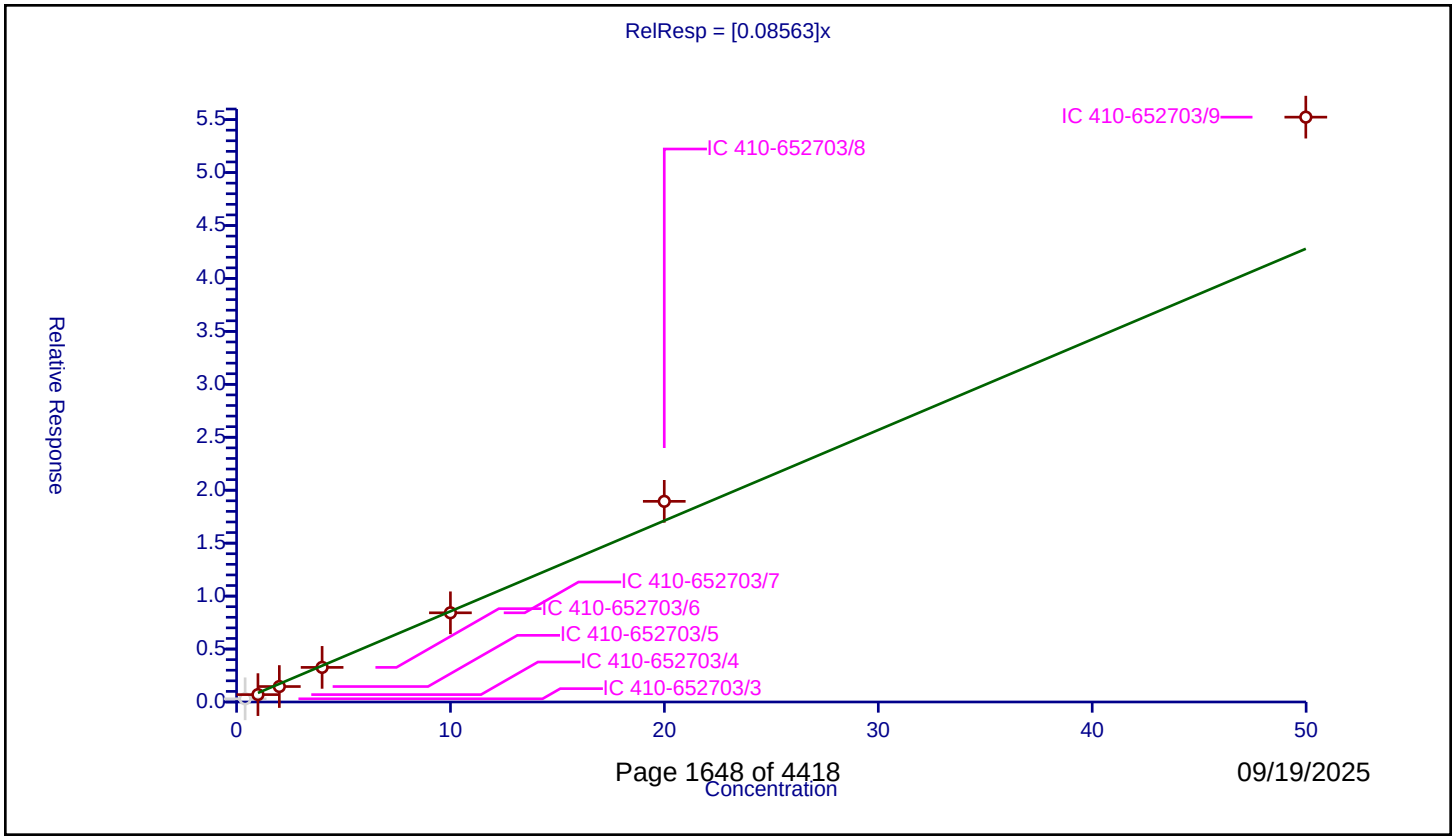
Curve Coefficients

Intercept:	0
Slope:	0.08563

Error Coefficients

Relative Standard Deviation:	17.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/3	0.399883	0.030149	10.0	1815665.0	0.075394	N
2	IC 410-652703/4	0.999708	0.069551	10.0	1746051.0	0.069572	Y
3	IC 410-652703/5	1.999416	0.145889	10.0	1789031.0	0.072966	Y
4	IC 410-652703/6	3.998831	0.326815	10.0	1754507.0	0.081728	Y
5	IC 410-652703/7	9.997078	0.842186	10.0	1790055.0	0.084243	Y
6	IC 410-652703/8	19.994156	1.894854	10.0	1820742.0	0.09477	Y
7	IC 410-652703/9	49.98539	5.523226	10.0	1746340.0	0.110497	Y



Calibration / Cyclohexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

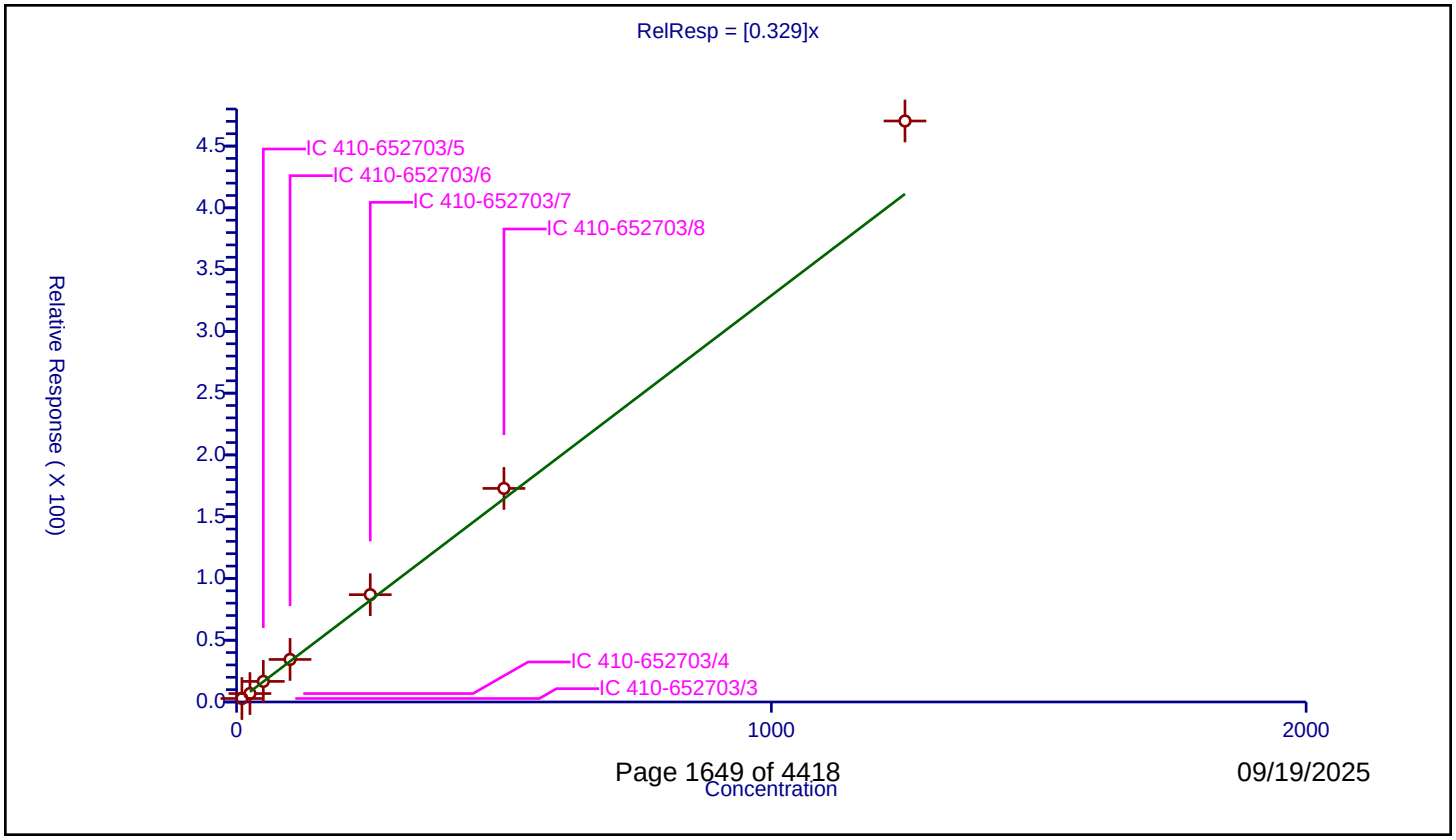
Curve Coefficients

Intercept:	0
Slope:	0.329

Error Coefficients

Relative Standard Deviation:	11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/3	9.99912	2.821168	50.0	213759.0	0.282142	Y
2	IC 410-652703/4	24.997799	6.833977	50.0	191221.0	0.273383	Y
3	IC 410-652703/5	49.995598	16.676327	50.0	201858.0	0.333556	Y
4	IC 410-652703/6	99.991197	34.446033	50.0	201447.0	0.344491	Y
5	IC 410-652703/7	249.977992	86.882128	50.0	182461.0	0.347559	Y
6	IC 410-652703/8	499.955984	172.887374	50.0	203337.0	0.345805	Y
7	IC 410-652703/9	1249.88996	470.315934	50.0	188362.0	0.376286	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652703/13	CU04X12.D
Level 2	IC 410-652703/14	CU04X13.D
Level 3	IC 410-652703/15	CU04X14.D
Level 4	IC 410-652703/16	CU04X15.D
Level 5	IC 410-652703/17	CU04X16.D
Level 6	ICIS 410-652703/18	CU04X17.D
Level 7	IC 410-652703/19	CU04X18.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3545 0.3018	0.3273 0.3205	0.3269	0.3291	0.3189	Ave		0.3256			0.1000	4.8		20.0			
Chloromethane	0.4626 0.3519	0.3977 0.3567	0.3868	0.3807	0.3671	Ave		0.3862			0.1000	9.7		20.0			
1,3-Butadiene	0.5757 0.3680	0.5069 0.3941	0.4269	0.4192	0.4211	Ave		0.4446				16.2		20.0			
Vinyl chloride	0.3938 0.3204	0.3385 0.3355	0.3347	0.3352	0.3311	Ave		0.3413			0.1000	7.0		20.0			
Bromomethane	0.2548 0.2045	0.2153 0.2122	0.2133	0.2241	0.2030	Ave		0.2182			0.1000	8.1		20.0			
Chloroethane	0.2255 0.1820	0.1980 0.1817	0.1852	0.1932	0.1889	Ave		0.1935			0.1000	7.9		20.0			
Dichlorofluoromethane	0.6614 0.5277	0.5373 0.5431	0.5379	0.5571	0.5457	Ave		0.5586			0.1000	8.3		20.0			
Trichlorofluoromethane	0.4777 0.3991	0.4302 0.4211	0.4396	0.4288	0.4252	Ave		0.4317			0.1000	5.5		20.0			
Diethyl ether	0.2018 0.2085	0.2004 0.2107	0.2048	0.2040	0.2098	Ave		0.2057				2.0		20.0			
Freon 123a	0.3368 0.2867	0.2997 0.2967	0.3014	0.2995	0.2915	Ave		0.3018				5.4		20.0			
Acrolein	1.7527 1.5106	2.1373 1.6509	1.8556	1.7456	2.0327	Ave		1.8122				11.9		20.0			
1,1-Dichloroethene	0.2390 0.2051	0.2388 0.2022	0.2046	0.1874	0.2129	Ave		0.2128			0.1000	9.1		20.0			
Acetone	2.4798 2.2715	2.6810 2.2510	2.3989	2.1076	2.3668	Ave		2.3652			0.1000	7.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1991 0.2137	0.2521 0.2232	0.2113	0.2109	0.2371	Ave		0.2211			0.1000	8.2		20.0			
Methyl iodide	0.4408 0.4404	0.4818 0.4245	0.3903	0.4016	0.4516	Ave		0.4330				7.1		20.0			
Ethyl bromide	0.2048 0.2075	0.2030 0.2061	0.1976	0.1978	0.2116	Ave		0.2041				2.5		20.0			
Carbon disulfide	0.7741 0.7772	0.8626 0.8209	0.7355	0.7145	0.8043	Ave		0.7842			0.1000	6.4		20.0			
Methyl acetate	7.2188 5.6811	7.0329 6.3015	5.4546	6.6395	6.2615	Ave		6.3700			0.1000	10.3		20.0			
Allyl chloride	0.3907 0.4115	0.4373 0.4146	0.3595	0.3701	0.4209	Ave		0.4006				7.0		20.0			
Methylene Chloride	0.2438 0.2638	0.2893 0.2522	0.2413	0.2382	0.2694	Ave		0.2569			0.1000	7.2		20.0			
t-Butyl alcohol	0.8294 0.6729	0.8464 0.7551	0.8141	0.6338	0.6483	Ave		0.7429				12.2		20.0			
Acrylonitrile	3.7759 3.3114	4.1574 3.2895	3.3743	3.0558	3.3192	Ave		3.4691				10.7		20.0			
trans-1,2-Dichloroethene	0.2618 0.2670	0.2829 0.2623	0.2440	0.2449	0.2745	Ave		0.2625			0.1000	5.5		20.0			
Methyl tertiary butyl ether	0.7390 0.7353	0.8118 0.7271	0.6578	0.6697	0.7538	Ave		0.7278			0.1000	7.1		20.0			
n-Hexane	0.3193 0.3460	0.4111 0.3734	0.3402	0.3306	0.3810	Ave		0.3574				9.1		20.0			
1,1-Dichloroethane	0.4707 0.4851	0.5129 0.4862	0.4455	0.4419	0.5039	Ave		0.4780			0.2000	5.7		20.0			
di-Isopropyl ether	0.8626 0.9053	0.9662 0.8976	0.8097	0.8148	0.9314	Ave		0.8840				6.6		20.0			
Chloroprene	0.4214 0.4266	0.4614 0.4339	0.3878	0.3839	0.4369	Ave		0.4217				6.5		20.0			
Ethyl t-butyl ether	0.8364 0.8961	0.9332 0.8910	0.8095	0.8079	0.9182	Ave		0.8703				5.9		20.0			
2-Butanone	4.3490 4.6516	4.9940 4.7110	4.3730	3.9981	4.7032	Ave		4.5400			0.1000	7.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
cis-1,2-Dichloroethene	0.2941 0.3092	0.3311 0.3032	0.2763	0.2836	0.3196	Ave		0.3024			0.1000	6.4		20.0			
2,2-Dichloropropane	0.3968 0.3670	0.4252 0.3632	0.3503	0.3419	0.3833	Ave		0.3754				7.7		20.0			
Propionitrile	1.0216 1.3230	1.3507 1.3324	1.0685	1.1154	1.3639	Ave		1.2251				12.2		20.0			
Methacrylonitrile	4.0736 4.6471	4.8790 4.0706	4.3679	4.0072	4.7443	Ave		4.3985				8.2		20.0			
Bromochloromethane	0.1338 0.1371	0.1531 0.1295	0.1218	0.1259	0.1437	Ave		0.1350				8.0		20.0			
Tetrahydrofuran	1.3785 1.3411	1.5320 1.1109	1.2090	1.0897	1.3759	Ave		1.2910				12.5		20.0			
Chloroform	0.4730 0.4963	0.5299 0.4865	0.4478	0.4501	0.5138	Ave		0.4853			0.2000	6.4		20.0			
1,1,1-Trichloroethane	0.4316 0.4279	0.4611 0.4320	0.3890	0.3926	0.4418	Ave		0.4251			0.1000	6.1		20.0			
Cyclohexane	0.4225 0.4445	0.5053 0.4677	0.4274	0.4207	0.4752	Ave		0.4519			0.1000	7.1		20.0			
Carbon tetrachloride	0.3379 0.3707	0.3952 0.3807	0.3303	0.3346	0.3860	Ave		0.3622			0.1000	7.5		20.0			
1,1-Dichloropropene	0.3732 0.3822	0.4296 0.3895	0.3545	0.3471	0.3943	Ave		0.3815				7.2		20.0			
Isobutyl alcohol	0.2801 0.3060	0.3397 0.3098	0.2941	0.2715	0.3178	Ave		0.3027				7.6		20.0			
Benzene	1.1132 1.1765	1.2372 1.1756	1.0314	1.0374	1.1896	Ave		1.1373			0.5000	7.0		20.0			
1,2-Dichloroethane	0.3181 0.3127	0.3509 0.2967	0.2809	0.2886	0.3294	Ave		0.3111			0.1000	7.9		20.0			
t-Amyl methyl ether	0.7590 0.8041	0.8452 0.7924	0.7043	0.7166	0.8259	Ave		0.7782				6.9		20.0			
n-Heptane	0.3131 0.3461	0.3915 0.3739	0.3380	0.3229	0.3792	Ave		0.3521				8.5		20.0			
n-Butanol	0.2534 0.3108	0.2651 0.3182	0.2720	0.2581	0.3175	Ave		0.2850				10.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Trichloroethene	0.2991 0.3052	0.3304 0.3059	0.2751	0.2755	0.3156	Ave		0.3010			0.2000	6.7		20.0			
Methylcyclohexane	0.4345 0.4779	0.5437 0.5042	0.4604	0.4469	0.5181	Ave		0.4837			0.1000	8.3		20.0			
1,2-Dichloropropane	0.2791 0.2978	0.3185 0.3009	0.2679	0.2664	0.3068	Ave		0.2911			0.1000	6.9		20.0			
1,4-Dioxane	+++++ 0.0684	0.0723 0.0682	0.0740	0.0650	0.0744	Ave		0.0704			0.0050	5.3		20.0			
Dibromomethane	0.1364 0.1486	0.1540 0.1477	0.1344	0.1333	0.1531	Ave		0.1439				6.2		20.0			
Methyl methacrylate	8.3548 9.0966	10.384 9.9478	8.1268	7.9856	9.5086	Ave		9.0577				10.3		20.0			
Bromodichloromethane	0.3344 0.3702	0.3745 0.3750	0.3214	0.3274	0.3799	Ave		0.3547			0.2000	7.2		20.0			
2-Nitropropane	2.9633 2.9914	3.0584 3.2130	2.7041	2.5218	3.0256	Ave		2.9254				8.0		20.0			
1-Bromo-2-chloroethane	0.2668 0.3016	0.2747 0.3010	0.2743	0.2739	0.3029	Ave		0.2850				5.6		20.0			
cis-1,3-Dichloropropene	0.3963 0.4596	0.4605 0.4681	0.4020	0.4010	0.4692	Ave		0.4367			0.2000	8.0		20.0			
4-Methyl-2-pentanone	11.017 12.830	12.810 13.248	11.290	10.521	12.581	Ave		12.042			0.1000	8.9		20.0			
Toluene	0.9538 0.9898	1.0444 1.0049	0.9010	0.8859	1.0179	Ave		0.9711			0.4000	6.2		20.0			
trans-1,3-Dichloropropene	0.4424 0.5245	0.5165 0.5376	0.4476	0.4442	0.5255	Ave		0.4912			0.1000	8.9		20.0			
Ethyl methacrylate	0.3849 0.4618	0.4353 0.4638	0.3804	0.3852	0.4674	Ave		0.4256				9.6		20.0			
1,1,2-Trichloroethane	0.2739 0.2834	0.2990 0.2828	0.2618	0.2558	0.2936	Ave		0.2786			0.1000	5.7		20.0			
Tetrachloroethene	0.4478 0.4487	0.5052 0.4544	0.4234	0.4076	0.4682	Ave		0.4508			0.2000	7.0		20.0			
1,3-Dichloropropane	0.4413 0.4882	0.5050 0.4938	0.4410	0.4362	0.4992	Ave		0.4721				6.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	7.3119 9.1553	9.1439 9.5971	8.1942	7.6453	9.2661	Ave		8.6163			0.1000	10.4		20.0			
Dibromochloromethane	0.2969 0.3669	0.3558 0.3765	0.3021	0.3099	0.3718	Ave		0.3400				10.4		20.0			
1,2-Dibromoethane	0.2414 0.2850	0.2862 0.2883	0.2466	0.2493	0.2922	Ave		0.2699			0.1000	8.4		20.0			
1-Chlorohexane	0.5912 0.5260	0.6149 0.5461	0.5025	0.4807	0.5533	Ave		0.5450				8.7		20.0			
Chlorobenzene	1.0778 1.1405	1.2075 1.1265	1.0281	1.0207	1.1787	Ave		1.1114			0.5000	6.5		20.0			
1,1,1,2-Tetrachloroethane	0.3552 0.4000	0.3990 0.4019	0.3366	0.3424	0.4130	Ave		0.3783				8.5		20.0			
Ethylbenzene	1.8627 2.0021	2.0927 2.0110	1.7648	1.7410	2.0480	Ave		1.9318			0.1000	7.3		20.0			
m&p-Xylene	0.7074 0.7802	0.7926 0.7844	0.6982	0.6821	0.8074	Ave		0.7503			0.1000	6.9		20.0			
o-Xylene	0.7186 0.7697	0.7946 0.7651	0.6729	0.6713	0.7877	Ave		0.7400			0.3000	7.1		20.0			
Styrene	1.1353 1.3074	1.2846 1.3098	1.1191	1.1198	1.3407	Ave		1.2310			0.3000	8.2		20.0			
Bromoform	0.1670 0.2203	0.1906 0.2286	0.1781	0.1789	0.2222	Ave		0.1980			0.1000	12.7		20.0			
Isopropylbenzene	1.5822 1.7706	1.8288 1.7853	1.5812	1.5594	1.8260	Ave		1.7048			0.1000	7.3		20.0			
1,1,2,2-Tetrachloroethane	0.6025 0.6595	0.6684 0.6455	0.5777	0.5940	0.6744	Ave		0.6317			0.3000	6.2		20.0			
Bromobenzene	0.8598 0.8999	0.9893 0.8710	0.8413	0.8178	0.9342	Ave		0.8876				6.6		20.0			
trans-1,4-Dichloro-2-butene	0.1207 0.1734	0.1492 0.1760	0.1291	0.1410	0.1694	Ave		0.1513				14.7		20.0			
1,2,3-Trichloropropane	0.1601 0.1778	0.1884 0.1742	0.1618	0.1651	0.1848	Ave		0.1732				6.5		20.0			
N-Propylbenzene	4.0167 4.2410	4.4686 4.1084	3.8618	3.8051	4.3751	Ave		4.1252				6.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	0.8391 0.8561	0.9426 0.8419	0.8012	0.7771	0.8783	Ave		0.8481				6.3		20.0			
1,3,5-Trimethylbenzene	2.8281 3.0702	3.2731 3.0629	2.7707	2.7198	3.1693	Ave		2.9849				7.1		20.0			
4-Chlorotoluene	0.8479 0.8939	0.9858 0.8806	0.8278	0.8011	0.9196	Ave		0.8795				7.0		20.0			
tert-Butylbenzene	0.6891 0.6871	0.7513 0.6837	0.6475	0.6277	0.7082	Ave		0.6849				5.9		20.0			
Pentachloroethane	0.4660 0.5746	0.4975 0.5807	0.5056	0.5025	0.5576	Ave		0.5264				8.4		20.0			
1,2,4-Trimethylbenzene	2.8659 3.2060	3.3144 3.1830	2.8021	2.8356	3.2618	Ave		3.0670				7.2		20.0			
sec-Butylbenzene	3.6122 3.9043	4.2037 3.8405	3.5768	3.4919	4.0450	Ave		3.8106				6.9		20.0			
1,3-Dichlorobenzene	1.5814 1.7586	1.8432 1.7580	1.5792	1.5702	1.8255	Ave		1.7023			0.6000	7.1		20.0			
p-Isopropyltoluene	3.1479 3.4042	3.7009 3.3956	3.0893	3.0269	3.5449	Ave		3.3299				7.5		20.0			
1,4-Dichlorobenzene	1.7286 1.8010	1.9807 1.7744	1.6530	1.6466	1.8549	Ave		1.7770			0.5000	6.6		20.0			
1,2,3-Trimethylbenzene	1.3664 1.4169	1.4966 1.4112	1.2956	1.2688	1.4461	Ave		1.3859				5.9		20.0			
Benzyl chloride	0.1882 0.2427	0.2273 0.2453	0.1988	0.2038	0.2467	Ave		0.2218				11.1		20.0			
n-Butylbenzene	1.4804 1.6597	1.7335 1.7118	1.4913	1.4525	1.7077	Ave		1.6053				7.8		20.0			
1,2-Dichlorobenzene	1.4558 1.6262	1.6535 1.6078	1.4338	1.4421	1.6525	Ave		1.5531			0.4000	6.7		20.0			
1,2-Dibromo-3-Chloropropane	0.0659 0.0948	0.0876 0.0972	0.0685	0.0807	0.0957	Ave		0.0844			0.0500	15.5		20.0			
1,3,5-Trichlorobenzene	1.0928 1.2733	1.2377 1.3253	1.0648	1.0734	1.2855	Ave		1.1932				9.4		20.0			
1,2,4-Trichlorobenzene	0.7728 1.0112	0.8797 1.0866	0.7575	0.8111	0.9921	Ave		0.9016			0.2000	14.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.4969 0.5018	0.5442 0.5421	0.4694	0.4518	0.5221	Ave		0.5040				7.0		20.0			
Naphthalene	1.1198 1.7305	1.3642 1.8551	1.1993	1.3607	1.6840	Ave		1.4734				19.2		20.0			
1,2,3-Trichlorobenzene	0.5691 0.7876	0.6832 0.8506	0.5948	0.6262	0.7769	Ave		0.6984				15.5		20.0			
Dibromofluoromethane (Surr)	0.2369 0.2373	0.2366 0.2304	0.2354	0.2393	0.2359	Ave		0.2360				1.2		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0494 0.0481	0.0507 0.0451	0.0487	0.0500	0.0489	Ave		0.0487				3.7		20.0			
Toluene-d8 (Surr)	1.3085 1.3106	1.3080 1.3258	1.3165	1.3083	1.3163	Ave		1.3134				0.5		20.0			
4-Bromofluorobenzene (Surr)	0.4867 0.5001	0.4864 0.5068	0.4965	0.4947	0.5007	Ave		0.4960				1.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652703/13	CU04X12.D
Level 2	IC 410-652703/14	CU04X13.D
Level 3	IC 410-652703/15	CU04X14.D
Level 4	IC 410-652703/16	CU04X15.D
Level 5	IC 410-652703/17	CU04X16.D
Level 6	ICIS 410-652703/18	CU04X17.D
Level 7	IC 410-652703/19	CU04X18.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	16199 711315	36639 1910119	74421	152735	368860	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	21139 829326	44518 2125456	88049	176712	424548	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	26306 867379	56745 2348344	97198	194574	487013	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	17996 755121	37886 1999388	76193	155580	382975	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	11642 481890	24105 1264486	48569	104025	234731	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	10305 428938	22164 1082708	42152	89652	218478	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	30223 1243761	60141 3236174	122462	258590	631197	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	21831 940667	48159 2509183	100091	199007	491822	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Diethyl ether	FB	Ave	9225 491609	22436 1255788	46647	94728	242768	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Freon 123a	FB	Ave	15389 675780	33545 1768142	68628	139024	337108	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBAd10	Ave	60296 2884485	182054 7658408	314981	688718	1934430	9.76 488	24.4 1220	48.8	97.6	244
1,1-Dichloroethene	FB	Ave	10921 483327	26733 1204919	46570	86979	246219	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetone	TBAd10	Ave	17485 889005	46805 2140201	83461	170436	461621	2.00 100	5.00 250	10.0	20.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	9099	28216	48103	97879	274210	0.200	0.500	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			503735	1330135				10.0	25.0			
Methyl iodide	FB	Ave	20144 1037853	53929 2529869	88856	186388	522326	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl bromide	FB	Ave	9351 488634	22703 1226687	44939	91693	244467	0.200 9.99	0.499 25.0	0.999	2.00	4.99
Carbon disulfide	FB	Ave	35375 1831634	96559 4892051	167455	331656	930282	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl acetate	TBAd10	Ave	5090 222342	12278 599138	18977	53691	122126	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Allyl chloride	FB	Ave	17856 969689	48948 2470462	81834	171803	486779	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylene Chloride	FB	Ave	11142 621763	32383 1502742	54946	110553	311605	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Butyl alcohol	TBAd10	Ave	11696 526705	29554 1435907	56644	102513	252888	4.00 200	10.0 500	20.0	40.0	100
Acrylonitrile	TBAd10	Ave	6656 323997	18145 781903	29349	61778	161848	0.500 25.0	1.25 62.5	2.50	5.00	12.5
trans-1,2-Dichloroethene	FB	Ave	11965 629272	31672 1563294	55552	113688	317436	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl tertiary butyl ether	FB	Ave	33771 1732814	90870 4332630	149746	310841	871880	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Hexane	FB	Ave	14590 815383	46021 2225357	77450	153463	440670	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloroethane	FB	Ave	21511 1143325	57414 2897243	101423	205117	582751	0.200 10.0	0.500 25.0	1.00	2.00	5.00
di-Isopropyl ether	FB	Ave	39418 2133631	108151 5349070	184345	378204	1077291	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroprene	FB	Ave	19255 1005337	51648 2585459	88291	178208	505348	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl t-butyl ether	FB	Ave	38223 2111946	104459 5309585	184283	374966	1061955	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Butanone	TBAd10	Ave	30665 1820498	87186 4479096	152140	323305	917331	2.00 100	5.00 250	10.0	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	13438 728703	37064 1806840	62895	131624	369626	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2,2-Dichloropropane	FB	Ave	18132 864914	47596 2164076	79756	158689	443343	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propionitrile	TBAd10	Ave	14406 1035564	47161 2533586	74348	180401	532040	4.00 200	10.0 500	20.0	40.0	100
Methacrylonitrile	TBAd10	Ave	28723 1818764	85178 3870205	151963	324042	925357	2.00 100	5.00 250	10.0	20.0	50.0
Bromochloromethane	FB	Ave	6116 323186	17134 771616	27739	58456	166229	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrahydrofuran	TBAd10	Ave	4860 262439	13373 528121	21032	44058	134185	1.00 50.0	2.50 125	5.00	10.0	25.0
Chloroform	FB	Ave	21615 1169649	59315 2899179	101944	208918	594283	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1-Trichloroethane	FB	Ave	19723 1008421	51613 2574084	88566	182214	511035	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Cyclohexane	FB	Ave	19306 1047509	56567 2787364	97296	195263	549662	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon tetrachloride	FB	Ave	15441 873731	44236 2268674	75195	155309	446477	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloropropene	FB	Ave	17056 900783	48086 2321034	80703	161099	456100	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isobutyl alcohol	TBAd10	Ave	9875 598754	29650 1472738	51163	109792	309892	10.0 500	25.0 1250	50.0	100	250
Benzene	FB	Ave	50870 2772615	138487 7005346	234806	481493	1375923	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloroethane	FB	Ave	14538 737050	39279 1768362	63946	133938	380971	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Amyl methyl ether	FB	Ave	34686 1895057	94606 4721921	160349	332620	955235	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Heptane	FB	Ave	14308 815564	43824 2227963	76961	149894	438591	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butanol	TBAd10	Ave	15631 1064292	40500 2647108	82816	182657	541776	17.5 875	43.8 2188	87.5	175	438
Trichloroethene	FB	Ave	13670 719194	36985 1822983	62640	127863	365052	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylcyclohexane	FB	Ave	19854 1126284	60861 3004540	104809	207437	599230	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloropropane	FB	Ave	12755 701824	35654 1793224	61002	123644	354789	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dioxane	TBAd10	Ave	+++++ 133857	6307 324106	12867	26267	72553	+++++ 500	25.0 1250	50.0	100	250
Dibromomethane	FB	Ave	6232 350295	17242 880191	30598	61876	177036	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl methacrylate	TBAd10	Ave	5891 356016	18128 945817	28274	64576	185459	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromodichloromethane	FB	Ave	15282 872507	41926 2234689	73163	151966	439442	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Nitropropane	TBAd10	Ave	10447 585376	26697 1527427	47040	101963	295063	1.00 50.0	2.50 125	5.00	10.0	25.0
1-Bromo-2-chloroethane	FB	Ave	12192 710679	30753 1793643	62445	127120	350362	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,3-Dichloropropene	FB	Ave	18109 1083083	51547 2789224	91516	186102	542722	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Methyl-2-pentanone	TBAd10	Ave	77682 5021327	223633 12595503	392778	850809	2453811	2.00 100	5.00 250	10.0	20.0	50.0
Toluene	CBZd5	Ave	32891 1766699	89270 4500182	155529	315864	898264	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,3-Dichloropropene	CBZd5	Ave	15255 936248	44145 2407520	77269	158386	463719	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl methacrylate	CBZd5	Ave	13274 824386	37206 2077034	65660	137362	412442	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2-Trichloroethane	CBZd5	Ave	9445 505817	25560 1266610	45195	91203	259067	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrachloroethene	CBZd5	Ave	15443 800949	43177 2034654	73096	145331	413166	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Dichloropropane	CBZd5	Ave	15218 871446	43165 2211341	76134	155518	440551	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Hexanone	TBAd10	Ave	51556 3583142	159634 9124749	285086	618240	1807304	2.00 100	5.00 250	10.0	20.0	50.0
Dibromochloromethane	CBZd5	Ave	10239 654881	30414 1686150	52157	110483	328142	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromoethane	CBZd5	Ave	8323 508777	24466 1291218	42569	88880	257871	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1-Chlorohexane	CBZd5	Ave	20389 938849	52561 2445378	86748	171417	488277	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZd5	Ave	37169 2035693	103211 5044757	177474	363956	1040176	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1,2-Tetrachloroethane	CBZd5	Ave	12249 714022	34106 1799576	58098	122089	364416	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethylbenzene	CBZd5	Ave	64236 3573708	178871 9005284	304648	620788	1807246	0.200 10.0	0.500 25.0	1.00	2.00	5.00
m&p-Xylene	CBZd5	Ave	48788 2785164	135488 7024802	241061	486454	1425023	0.400 20.0	1.00 50.0	2.00	4.00	10.0
o-Xylene	CBZd5	Ave	24780 1373841	67921 3426341	116161	239367	695086	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Styrene	CBZd5	Ave	39152 2333644	109797 5865468	193183	399285	1183154	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromoform	CBZd5	Ave	5760 393310	16294 1023710	30743	63801	196118	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isopropylbenzene	CBZd5	Ave	54563 3160521	156315 7994918	272955	556019	1611339	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2,2-Tetrachloroethane	DCBd4	Ave	11067 658027	30206 1671405	54271	115023	331165	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromobenzene	DCBd4	Ave	15792 897841	44707 2255347	79024	158356	458738	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,4-Dichloro-2-butene	DCBd4	Ave	22171 1730386	67428 4558072	121230	273068	832051	2.00 100	5.00 250	10.0	20.0	50.0
1,2,3-Trichloropropane	DCBd4	Ave	2941 177391	8512 450975	15198	31967	90769	0.200 10.0	0.500 25.0	1.00	2.00	5.00
N-Propylbenzene	DCBd4	Ave	73775 4231523	201935 10638326	362762	736830	2148429	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chlorotoluene	DCBd4	Ave	15412 854229	42598 2179924	75265	150474	431288	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trimethylbenzene	DCBd4	Ave	51944 3063306	147909 7931026	260269	526671	1556329	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Chlorotoluene	DCBd4	Ave	15573 891868	44548 2280252	77762	155124	451553	0.200 10.0	0.500 25.0	1.00	2.00	5.00
tert-Butylbenzene	DCBd4	Ave	12657 685518	33953 1770290	60824	121542	347754	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Pentachloroethane	DCBd4	Ave	8559 573273	22482 1503708	47492	97302	273834	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trimethylbenzene	DCBd4	Ave	52639 3198872	149776 8242089	263217	549085	1601753	0.200 10.0	0.500 25.0	1.00	2.00	5.00
sec-Butylbenzene	DCBd4	Ave	66346 3895567	189963 9944673	335990	676177	1986304	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,3-Dichlorobenzene	DCBd4	Ave	29045 1754616	83293 4552267	148339	304052	896416	0.200 10.0	0.500 25.0	1.00	2.00	5.00
p-Isopropyltoluene	DCBd4	Ave	57818 3396561	167243 8792472	290194	586132	1740754	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dichlorobenzene	DCBd4	Ave	31750 1796973	89506 4594565	155274	318860	910871	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trimethylbenzene	DCBd4	Ave	25097 1413730	67632 3654193	121701	245691	710123	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Benzyl chloride	DCBd4	Ave	3457 242134	10271 635228	18678	39473	121164	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butylbenzene	DCBd4	Ave	27191 1655944	78339 4432606	140086	281274	838585	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichlorobenzene	DCBd4	Ave	26738 1622585	74720 4163188	134689	279256	811448	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	1210 94571	3958 251795	6437	15636	47000	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trichlorobenzene	DCBd4	Ave	20072 1270413	55932 3431609	100020	207850	631233	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trichlorobenzene	DCBd4	Ave	14194 1008958	39754 2813772	71154	157064	487193	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Hexachlorobutadiene	DCBd4	Ave	9127 500714	24592 1403830	44091	87493	256357	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Naphthalene	DCBd4	Ave	20567 1726665	61647 4803722	112656	263482	826933	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trichlorobenzene	DCBd4	Ave	10453 785866	30876 2202657	55874	121255	381517	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromofluoromethane (Surr)	FB	Ave	541327 559311	529654 549208	535871	555310	545788	10.0 10.0	10.0 10.0	10.0	10.0	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	112974 113375	113484 107416	110913	115978	113081	10.0 10.0	10.0 10.0	10.0	10.0	10.0
Toluene-d8 (Surr)	CBZd5	Ave	2256231 2339352	2235974 2374813	2272533	2332401	2323180	10.0 10.0	10.0 10.0	10.0	10.0	10.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	839185 892633	831439 907728	857005	882041	883630	10.0 10.0	10.0 10.0	10.0	10.0	10.0

Curve Type Legend:
Ave = Average ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652703/13	CU04X12.D
Level 2	IC 410-652703/14	CU04X13.D
Level 3	IC 410-652703/15	CU04X14.D
Level 4	IC 410-652703/16	CU04X15.D
Level 5	IC 410-652703/17	CU04X16.D
Level 6	ICIS 410-652703/18	CU04X17.D
Level 7	IC 410-652703/19	CU04X18.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	8.9 -1.5	0.5	0.4	1.1	-2.0	-7.3	50 30	30	30	30	30	30
Chloromethane	19.8 -7.6	3.0	0.1	-1.4	-5.0	-8.9	50 30	30	30	30	30	30
1,3-Butadiene	29.5 -11.4	14.0	-4.0	-5.7	-5.3	-17.2	50 30	30	30	30	30	30
Vinyl chloride	15.4 -1.7	-0.8	-1.9	-1.8	-3.0	-6.1	50 30	30	30	30	30	30
Bromomethane	16.8 -2.7	-1.3	-2.2	2.7	-7.0	-6.3	50 30	30	30	30	30	30
Chloroethane	16.5 -6.1	2.3	-4.3	-0.2	-2.4	-5.9	50 30	30	30	30	30	30
Dichlorofluoromethane	18.4 -2.8	-3.8	-3.7	-0.3	-2.3	-5.5	50 30	30	30	30	30	30
Trichlorofluoromethane	10.7 -2.5	-0.3	1.8	-0.7	-1.5	-7.5	50 30	30	30	30	30	30
Diethyl ether	-1.9 2.4	-2.6	-0.4	-0.8	2.0	1.4	50 30	30	30	30	30	30
Freon 123a	11.6 -1.7	-0.7	-0.1	-0.7	-3.4	-5.0	50 30	30	30	30	30	30
Acrolein	-3.3 -8.9	17.9	2.4	-3.7	12.2	-16.6	50 30	30	30	30	30	30
1,1-Dichloroethene	12.3 -5.0	12.2	-3.9	-12.0	0.0	-3.6	50 30	30	30	30	30	30
Acetone	4.8 -4.8	13.4	1.4	-10.9	0.1	-4.0	50 30	30	30	30	30	30
1,1,2-Trichloro-1,2,2-trifluoroethane	-9.9 1.0	14.0	-4.4	-4.6	7.3	-3.3	50 30	30	30	30	30	30
Methyl iodide	1.8 -2.0	11.3	-9.9	-7.3	4.3	1.7	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Ethyl bromide	0.4 1.0	-0.5	-3.2	-3.1	3.7	1.7	50 30	30	30	30	30	30
Carbon disulfide	-1.3 4.7	10.0	-6.2	-8.9	2.6	-0.9	50 30	30	30	30	30	30
Methyl acetate	13.3 -1.1	10.4	-14.4	4.2	-1.7	-10.8	50 30	30	30	30	30	30
Allyl chloride	-2.5 3.5	9.1	-10.3	-7.6	5.0	2.7	50 30	30	30	30	30	30
Methylene Chloride	-5.1 -1.8	12.6	-6.0	-7.3	4.9	2.7	50 30	30	30	30	30	30
t-Butyl alcohol	11.6 1.7	13.9	9.6	-14.7	-12.7	-9.4	50 30	30	30	30	30	30
Acrylonitrile	8.8 -5.2	19.8	-2.7	-11.9	-4.3	-4.5	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	-0.3 -0.1	7.8	-7.0	-6.7	4.6	1.7	50 30	30	30	30	30	30
Methyl tertiary butyl ether	1.5 -0.1	11.5	-9.6	-8.0	3.6	1.0	50 30	30	30	30	30	30
n-Hexane	-10.7 4.5	15.0	-4.8	-7.5	6.6	-3.2	50 30	30	30	30	30	30
1,1-Dichloroethane	-1.5 1.7	7.3	-6.8	-7.6	5.4	1.5	50 30	30	30	30	30	30
di-Isopropyl ether	-2.4 1.5	9.3	-8.4	-7.8	5.4	2.4	50 30	30	30	30	30	30
Chloroprene	-0.1 2.9	9.4	-8.0	-9.0	3.6	1.2	50 30	30	30	30	30	30
Ethyl t-butyl ether	-3.9 2.4	7.2	-7.0	-7.2	5.5	3.0	50 30	30	30	30	30	30
2-Butanone	-4.2 3.8	10.0	-3.7	-11.9	3.6	2.5	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-2.8 0.3	9.5	-8.7	-6.2	5.7	2.2	50 30	30	30	30	30	30
2,2-Dichloropropane	5.7 -3.3	13.3	-6.7	-8.9	2.1	-2.2	50 30	30	30	30	30	30
Propionitrile	-16.6 8.8	10.3	-12.8	-8.9	11.3	8.0	50 30	30	30	30	30	30
Methacrylonitrile	-7.4 -7.5	10.9	-0.7	-8.9	7.9	5.7	50 30	30	30	30	30	30
Bromochloromethane	-0.9 -4.1	13.4	-9.7	-6.7	6.5	1.6	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Tetrahydrofuran	6.8 -14.0	18.7	-6.4	-15.6	6.6	3.9	50 30	30	30	30	30	30
Chloroform	-2.5 0.2	9.2	-7.7	-7.3	5.9	2.3	50 30	30	30	30	30	30
1,1,1-Trichloroethane	1.5 1.6	8.5	-8.5	-7.7	3.9	0.6	50 30	30	30	30	30	30
Cyclohexane	-6.5 3.5	11.8	-5.4	-6.9	5.2	-1.6	50 30	30	30	30	30	30
Carbon tetrachloride	-6.7 5.1	9.1	-8.8	-7.6	6.6	2.4	50 30	30	30	30	30	30
1,1-Dichloropropene	-2.2 2.1	12.6	-7.1	-9.0	3.4	0.2	50 30	30	30	30	30	30
Isobutyl alcohol	-7.5 2.3	12.2	-2.8	-10.3	5.0	1.1	50 30	30	30	30	30	30
Benzene	-2.1 3.4	8.8	-9.3	-8.8	4.6	3.4	50 30	30	30	30	30	30
1,2-Dichloroethane	2.3 -4.6	12.8	-9.7	-7.2	5.9	0.5	50 30	30	30	30	30	30
t-Amyl methyl ether	-2.5 1.8	8.6	-9.5	-7.9	6.1	3.3	50 30	30	30	30	30	30
n-Heptane	-11.1 6.2	11.2	-4.0	-8.3	7.7	-1.7	50 30	30	30	30	30	30
n-Butanol	-11.1 11.6	-7.0	-4.6	-9.4	11.4	9.0	50 30	30	30	30	30	30
Trichloroethene	-0.6 1.6	9.8	-8.6	-8.5	4.9	1.4	50 30	30	30	30	30	30
Methylcyclohexane	-10.2 4.2	12.4	-4.8	-7.6	7.1	-1.2	50 30	30	30	30	30	30
1,2-Dichloropropane	-4.1 3.4	9.4	-7.9	-8.5	5.4	2.3	50 30	30	30	30	30	30
1,4-Dioxane	+++++ -3.1	2.7	5.1	-7.7	5.7	-2.8	30	50	30	30	30	30
Dibromomethane	-5.2 2.6	7.0	-6.6	-7.4	6.3	3.3	50 30	30	30	30	30	30
Methyl methacrylate	-7.8 9.8	14.6	-10.3	-11.8	5.0	0.4	50 30	30	30	30	30	30
Bromodichloromethane	-5.7 5.7	5.6	-9.4	-7.7	7.1	4.4	50 30	30	30	30	30	30
2-Nitropropane	1.3 9.8	4.5	-7.6	-13.8	3.4	2.3	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1-Bromo-2-chloroethane	-6.4 5.6	-3.6	-3.8	-3.9	6.3	5.8	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-9.2 7.2	5.5	-7.9	-8.2	7.5	5.2	50 30	30	30	30	30	30
4-Methyl-2-pentanone	-8.5 10.0	6.4	-6.3	-12.6	4.5	6.5	50 30	30	30	30	30	30
Toluene	-1.8 3.5	7.6	-7.2	-8.8	4.8	1.9	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-9.9 9.5	5.1	-8.9	-9.6	7.0	6.8	50 30	30	30	30	30	30
Ethyl methacrylate	-9.5 9.0	2.3	-10.6	-9.5	9.8	8.5	50 30	30	30	30	30	30
1,1,2-Trichloroethane	-1.7 1.5	7.3	-6.0	-8.2	5.4	1.7	50 30	30	30	30	30	30
Tetrachloroethene	-0.7 0.8	12.1	-6.1	-9.6	3.9	-0.5	50 30	30	30	30	30	30
1,3-Dichloropropane	-6.5 4.6	7.0	-6.6	-7.6	5.7	3.4	50 30	30	30	30	30	30
2-Hexanone	-15.1 11.4	6.1	-4.9	-11.3	7.5	6.3	50 30	30	30	30	30	30
Dibromochloromethane	-12.7 10.7	4.7	-11.1	-8.9	9.4	7.9	50 30	30	30	30	30	30
1,2-Dibromoethane	-10.6 6.8	6.1	-8.6	-7.6	8.3	5.6	50 30	30	30	30	30	30
1-Chlorohexane	8.5 0.2	12.8	-7.8	-11.8	1.5	-3.5	50 30	30	30	30	30	30
Chlorobenzene	-3.0 1.4	8.6	-7.5	-8.2	6.1	2.6	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-6.1 6.2	5.5	-11.0	-9.5	9.2	5.7	50 30	30	30	30	30	30
Ethylbenzene	-3.6 4.1	8.3	-8.6	-9.9	6.0	3.6	50 30	30	30	30	30	30
m&p-Xylene	-5.7 4.5	5.6	-6.9	-9.1	7.6	4.0	50 30	30	30	30	30	30
o-Xylene	-2.9 3.4	7.4	-9.1	-9.3	6.4	4.0	50 30	30	30	30	30	30
Styrene	-7.8 6.4	4.4	-9.1	-9.0	8.9	6.2	50 30	30	30	30	30	30
Bromoform	-15.6 15.5	-3.7	-10.0	-9.6	12.3	11.3	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Isopropylbenzene	-7.2 4.7	7.3	-7.2	-8.5	7.1	3.9	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-4.6 2.2	5.8	-8.5	-6.0	6.8	4.4	50 30	30	30	30	30	30
Bromobenzene	-3.1 -1.9	11.5	-5.2	-7.9	5.2	1.4	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-20.2 16.4	-1.4	-14.7	-6.8	12.0	14.6	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-7.5 0.6	8.8	-6.6	-4.7	6.7	2.7	50 30	30	30	30	30	30
N-Propylbenzene	-2.6 -0.4	8.3	-6.4	-7.8	6.1	2.8	50 30	30	30	30	30	30
2-Chlorotoluene	-1.1 -0.7	11.2	-5.5	-8.4	3.6	1.0	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-5.3 2.6	9.7	-7.2	-8.9	6.2	2.9	50 30	30	30	30	30	30
4-Chlorotoluene	-3.6 0.1	12.1	-5.9	-8.9	4.6	1.6	50 30	30	30	30	30	30
tert-Butylbenzene	0.6 -0.2	9.7	-5.5	-8.4	3.4	0.3	50 30	30	30	30	30	30
Pentachloroethane	-11.5 10.3	-5.5	-3.9	-4.5	5.9	9.2	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-6.6 3.8	8.1	-8.6	-7.5	6.4	4.5	50 30	30	30	30	30	30
sec-Butylbenzene	-5.2 0.8	10.3	-6.1	-8.4	6.1	2.5	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-7.1 3.3	8.3	-7.2	-7.8	7.2	3.3	50 30	30	30	30	30	30
p-Isopropyltoluene	-5.5 2.0	11.1	-7.2	-9.1	6.5	2.2	50 30	30	30	30	30	30
1,4-Dichlorobenzene	-2.7 -0.1	11.5	-7.0	-7.3	4.4	1.3	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-1.4 1.8	8.0	-6.5	-8.5	4.3	2.2	50 30	30	30	30	30	30
Benzyl chloride	-15.2 10.6	2.5	-10.4	-8.1	11.2	9.4	50 30	30	30	30	30	30
n-Butylbenzene	-7.8 6.6	8.0	-7.1	-9.5	6.4	3.4	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-6.3 3.5	6.5	-7.7	-7.1	6.4	4.7	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,2-Dibromo-3-Chloropropane	-21.9 15.3	3.8	-18.8	-4.3	13.5	12.4	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-8.4 11.1	3.7	-10.8	-10.0	7.7	6.7	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-14.3 20.5	-2.4	-16.0	-10.0	10.0	12.2	50 30	30	30	30	30	30
Hexachlorobutadiene	-1.4 7.6	8.0	-6.9	-10.4	3.6	-0.4	50 30	30	30	30	30	30
Naphthalene	-24.0 25.9	-7.4	-18.6	-7.6	14.3	17.5	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-18.5 21.8	-2.2	-14.8	-10.3	11.2	12.8	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	0.4 -2.4	0.3	-0.3	1.4	0.0	0.6	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	1.5 -7.5	4.1	0.0	2.6	0.4	-1.2	50 30	30	30	30	30	30
Toluene-d8 (Surr)	-0.4 0.9	-0.4	0.2	-0.4	0.2	-0.2	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-1.9 2.2	-1.9	0.1	-0.2	0.9	0.8	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D
Lims ID: IC std1 0.2
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Jun-2025 21:06:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-013
Misc. Info.: IC STD.2 LG
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:16 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 10:40:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.756	1.762	-0.006	99	16199	0.2000	0.2178	
5 Chloromethane	50	1.945	1.945	0.000	99	21139	0.2000	0.2396	
7 Butadiene	39	2.018	2.025	-0.007	96	26306	0.2000	0.2590	M
6 Vinyl chloride	62	2.043	2.043	0.000	98	17996	0.2000	0.2308	
9 Bromomethane	94	2.348	2.348	0.000	91	11642	0.2000	0.2335	M
10 Chloroethane	64	2.366	2.372	-0.006	99	10305	0.2000	0.2331	
11 Dichlorofluoromethane	67	2.567	2.634	-0.067	94	30223	0.2000	0.2368	M
13 Pentane	43	2.640	2.646	-0.006	95	16757	0.2000	0.1954	
12 Trichlorofluoromethane	101	2.683	2.677	0.006	96	21831	0.2000	0.2213	M
14 Ethyl ether	59	2.823	2.823	0.000	92	9225	0.2001	0.1963	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.921	2.927	-0.006	91	15389	0.2000	0.2232	
17 Acrolein	56	2.969	2.970	-0.001	98	60296	9.76	9.44	
18 1,1-Dichloroethene	96	3.085	3.098	-0.013	97	10921	0.2000	0.2246	
20 Acetone	43	3.122	3.116	0.006	87	17485	2.00	2.10	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.128	3.140	-0.012	91	9099	0.2000	0.1802	
24 Isopropyl alcohol	45	3.238	3.250	-0.012	32	6196	4.00	3.91	M
22 Iodomethane	142	3.256	3.262	-0.006	99	20144	0.2000	0.2036	M
23 Ethyl bromide	108	3.286	3.280	0.006	98	9351	0.1998	0.2006	
25 Carbon disulfide	76	3.347	3.347	0.000	99	35375	0.2000	0.1974	M
26 Methyl acetate	43	3.457	3.469	-0.012	20	5090	0.2000	0.2267	M
29 3-Chloro-1-propene	41	3.494	3.500	-0.006	85	17856	0.2000	0.1951	a
* 31 t-Butyl alcohol-d10 (IS)	65	3.658	3.652	0.006	96	176275	50.0	50.0	
30 Methylene Chloride	84	3.652	3.658	-0.006	58	11142	0.2000	0.1898	
32 2-Methyl-2-propanol	59	3.750	3.774	-0.024	94	11696	4.00	4.47	M
33 Acrylonitrile	53	3.975	3.957	0.018	25	6656	0.5000	0.5442	
34 Methyl tert-butyl ether	73	4.030	4.018	0.012	94	33771	0.2000	0.2031	
35 trans-1,2-Dichloroethene	96	4.006	4.018	-0.012	98	11965	0.2000	0.1995	
36 Hexane	57	4.420	4.414	0.006	95	14590	0.2000	0.1787	
37 1,1-Dichloroethane	63	4.658	4.658	0.000	96	21511	0.2000	0.1969	
39 Isopropyl ether	45	4.725	4.725	0.000	92	39418	0.2000	0.1952	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.768	4.768	0.000	91	19255	0.2000	0.1998	
41 Tert-butyl ethyl ether	59	5.268	5.274	-0.006	97	38223	0.2000	0.1922	
42 2-Butanone (MEK)	43	5.487	5.475	0.012	99	30665	2.00	1.92	
43 cis-1,2-Dichloroethene	96	5.518	5.512	0.006	87	13438	0.2000	0.1945	
44 2,2-Dichloropropane	77	5.518	5.530	-0.012	88	18132	0.2000	0.2114	
45 Propionitrile	54	5.597	5.573	0.024	98	14406	4.00	3.34	
47 Methacrylonitrile	67	5.792	5.798	-0.006	92	28723	2.00	1.85	
48 Chlorobromomethane	128	5.841	5.853	-0.012	62	6116	0.2000	0.1983	
49 Tetrahydrofuran	71	5.865	5.853	0.012	67	4860	1.00	1.07	M
50 Chloroform	83	6.005	6.012	-0.007	93	21615	0.2000	0.1949	
S 52 1,2-Dichloroethene, Total	100				0			0.3940	
$ 54 Dibromofluoromethane (Surr)	113	6.231	6.231	0.000	93	541327	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.225	6.231	-0.006	62	19723	0.2000	0.2030	
55 Cyclohexane	56	6.322	6.329	-0.007	92	19306	0.2000	0.1870	
56 Carbon tetrachloride	117	6.444	6.444	0.000	89	15441	0.2000	0.1866	
57 1,1-Dichloropropene	75	6.456	6.457	-0.001	90	17056	0.2000	0.1957	
58 Isobutyl alcohol	41	6.658	6.652	0.006	92	9875	10.0	9.25	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.694	6.694	0.000	99	112974	10.0	10.2	
60 Benzene	78	6.719	6.725	-0.006	95	50870	0.2000	0.1958	
61 1,2-Dichloroethane	62	6.810	6.798	0.012	71	14538	0.2000	0.2046	
64 Tert-amyl methyl ether	73	6.920	6.932	-0.012	98	34686	0.2000	0.1951	Ma
* 65 Fluorobenzene (IS)	96	7.139	7.139	0.000	99	2284843	10.0	10.0	
66 n-Heptane	43	7.158	7.164	-0.006	93	14308	0.2000	0.1778	
67 n-Butanol	56	7.627	7.566	0.061	22	15631	17.5	15.6	M
68 Trichloroethene	95	7.627	7.633	-0.006	97	13670	0.2000	0.1988	
69 Methylcyclohexane	83	7.938	7.938	0.000	91	19854	0.2000	0.1797	
70 1,2-Dichloropropane	63	7.968	7.975	-0.007	94	12755	0.2000	0.1918	
71 2-ethoxy-2-methyl butane	87	7.993	8.005	-0.012	94	19584	0.2000	0.1880	
74 1,4-Dioxane	88	8.090	8.072	0.018	55	1004	10.0	4.05	M
73 Methyl methacrylate	69	8.096	8.084	0.012	87	5891	0.2000	0.1845	
72 Dibromomethane	93	8.078	8.084	-0.006	90	6232	0.2000	0.1895	
76 Dichlorobromomethane	83	8.340	8.334	0.006	98	15282	0.2000	0.1886	
77 2-Nitropropane	41	8.627	8.621	0.006	98	10447	1.00	1.01	
78 1-Bromo-2-chloroethane	63	8.730	8.731	-0.001	98	12192	0.2000	0.1872	
80 cis-1,3-Dichloropropene	75	8.919	8.907	0.012	95	18109	0.2000	0.1815	
82 4-Methyl-2-pentanone (MIBK)	43	9.121	9.115	0.006	97	77682	2.00	1.83	
$ 83 Toluene-d8 (Surr)	98	9.249	9.249	0.000	94	2256231	10.0	9.96	
84 Toluene	92	9.328	9.328	0.000	98	32891	0.2000	0.1964	
85 trans-1,3-Dichloropropene	75	9.633	9.627	0.006	93	15255	0.2000	0.1801	
86 Ethyl methacrylate	69	9.712	9.706	0.006	88	13274	0.2000	0.1809	
87 1,1,2-Trichloroethane	97	9.840	9.846	-0.006	89	9445	0.2000	0.1966	
88 Tetrachloroethene	166	9.925	9.925	0.000	97	15443	0.2000	0.1987	
89 1,3-Dichloropropane	76	10.017	10.017	0.000	90	15218	0.2000	0.1869	
S 107 1,3-Dichloropropene, Total	100				0			0.3616	
106 2-Hexanone	43	10.096	10.090	0.006	97	51556	2.00	1.70	
108 Chlorodibromomethane	129	10.242	10.242	0.000	89	10239	0.2000	0.1747	
110 Ethylene Dibromide	107	10.358	10.352	0.006	98	8323	0.2000	0.1789	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.815	0.000	86	1724253	10.0	10.0	
112 1-Chlorohexane	91	10.840	10.834	0.006	65	20389	0.2000	0.2170	
113 Chlorobenzene	112	10.840	10.840	0.000	97	37169	0.2000	0.1940	
114 1,1,1,2-Tetrachloroethane	131	10.931	10.931	0.000	93	12249	0.2000	0.1878	
115 Ethylbenzene	91	10.937	10.937	0.000	99	64236	0.2000	0.1929	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.065	11.059	0.006	96	48788	0.4000	0.3771	
S 117 Xylenes, Total	106				0			0.5713	
118 o-Xylene	106	11.407	11.401	0.006	96	24780	0.2000	0.1942	
119 Styrene	104	11.425	11.419	0.006	94	39152	0.2000	0.1845	
120 Bromoform	173	11.577	11.578	-0.001	96	5760	0.2000	0.1687	
121 Isopropylbenzene	105	11.718	11.718	0.000	96	54563	0.2000	0.1856	
$ 124 4-Bromofluorobenzene (Surr)	95	11.864	11.864	0.000	91	839185	10.0	9.81	
126 1,1,2,2-Tetrachloroethane	83	11.980	11.980	0.000	68	11067	0.2000	0.1908	
125 Bromobenzene	156	11.980	11.980	0.000	91	15792	0.2000	0.1937	
127 trans-1,4-Dichloro-2-butene	53	12.010	12.004	0.006	90	22171	2.00	1.60	
128 1,2,3-Trichloropropane	110	12.022	12.023	-0.001	74	2941	0.2000	0.1849	
129 N-Propylbenzene	91	12.059	12.059	0.000	99	73775	0.2000	0.1947	
130 2-Chlorotoluene	126	12.132	12.132	0.000	97	15412	0.2000	0.1979	
131 1,3,5-Trimethylbenzene	105	12.205	12.199	0.006	94	51944	0.2000	0.1895	
132 4-Chlorotoluene	126	12.236	12.230	0.006	98	15573	0.2000	0.1928	
133 tert-Butylbenzene	134	12.449	12.449	0.000	93	12657	0.2000	0.2012	
134 Pentachloroethane	167	12.480	12.474	0.006	78	8559	0.2000	0.1771	
135 1,2,4-Trimethylbenzene	105	12.492	12.492	0.000	97	52639	0.2000	0.1869	
136 sec-Butylbenzene	105	12.614	12.614	0.000	94	66346	0.2000	0.1896	
137 1,3-Dichlorobenzene	146	12.717	12.712	0.005	98	29045	0.2000	0.1858	
138 4-Isopropyltoluene	119	12.730	12.730	0.000	97	57818	0.2000	0.1891	
* 139 1,4-Dichlorobenzene-d4	152	12.772	12.772	0.000	95	918354	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.784	12.785	-0.001	92	31750	0.2000	0.1946	
141 1,2,3-Trimethylbenzene	120	12.803	12.803	0.000	97	25097	0.2000	0.1972	
142 Benzyl chloride	126	12.876	12.870	0.006	99	3457	0.2000	0.1697	
145 p-Diethylbenzene	119	13.010	13.004	0.006	93	33970	0.2000	0.1835	
143 n-Butylbenzene	92	13.028	13.029	0.000	97	27191	0.2000	0.1844	
144 1,2-Dichlorobenzene	146	13.059	13.053	0.006	99	26738	0.2000	0.1875	
148 1,2-Dibromo-3-Chloropropane	155	13.614	13.608	0.006	83	1210	0.2000	0.1562	
149 1,3,5-Trichlorobenzene	180	13.742	13.736	0.006	98	20072	0.2000	0.1832	
150 1,2,4-Trichlorobenzene	180	14.174	14.169	0.005	93	14194	0.2000	0.1714	
151 Hexachlorobutadiene	225	14.254	14.254	0.000	85	9127	0.2000	0.1972	
152 Naphthalene	128	14.357	14.345	0.012	97	20567	0.2000	0.1520	
153 1,2,3-Trichlorobenzene	180	14.504	14.492	0.012	95	10453	0.2000	0.1630	
154 2-Methylnaphthalene	142	15.113	15.101	0.012	93	5744	0.2000	0.5235	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00168	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00181	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00274	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00114	Amount Added:	1.00	Units: uL	Run Reagent

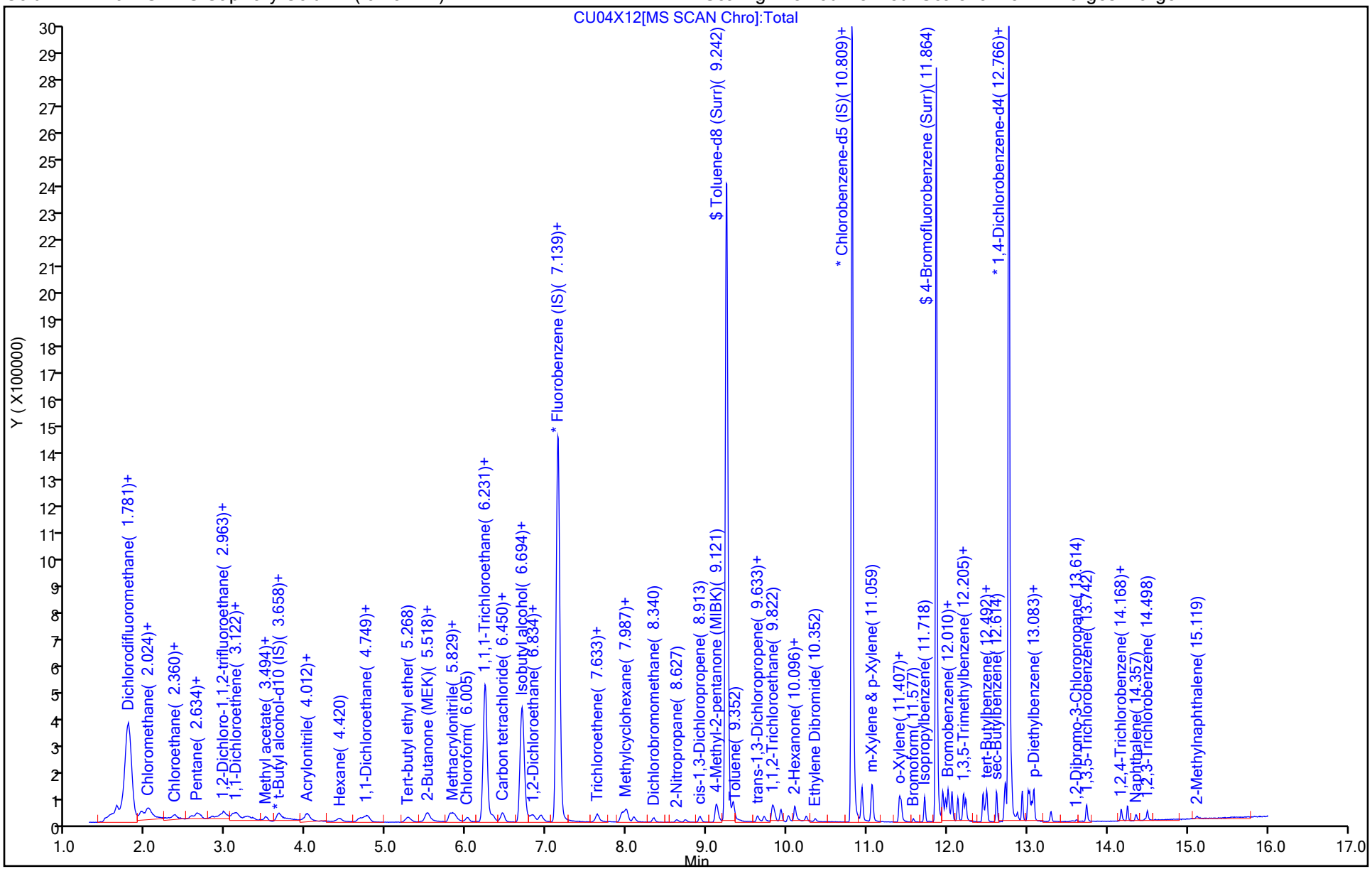
Report Date: 06-Jun-2025 09:18:17 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D

Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC std1 0.2			Worklist Smp#:	13
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

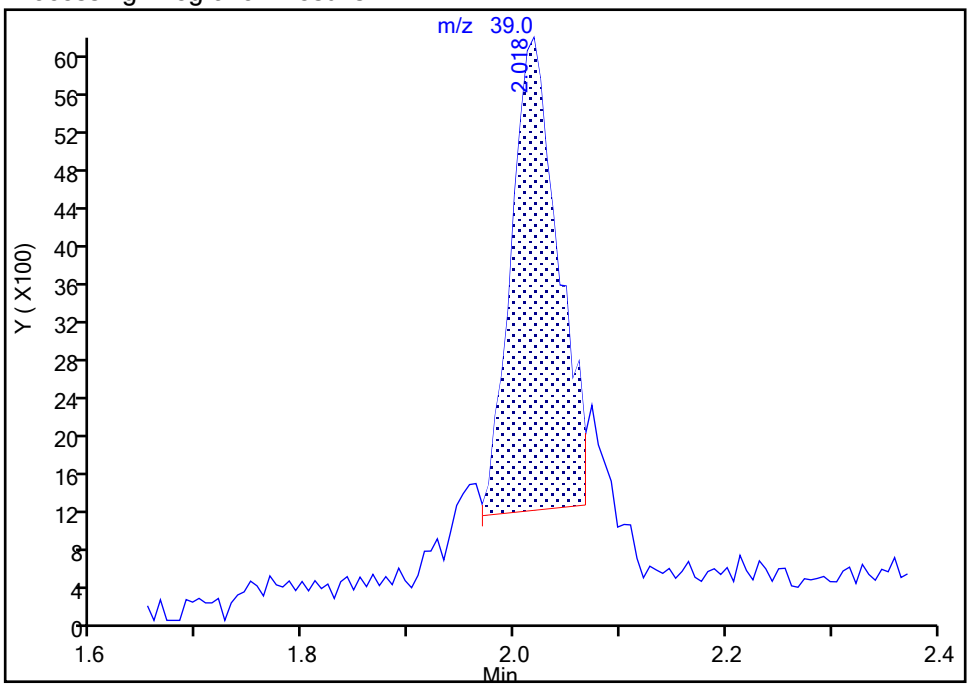
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D				
Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

7 Butadiene, CAS: 106-99-0

Signal: 1

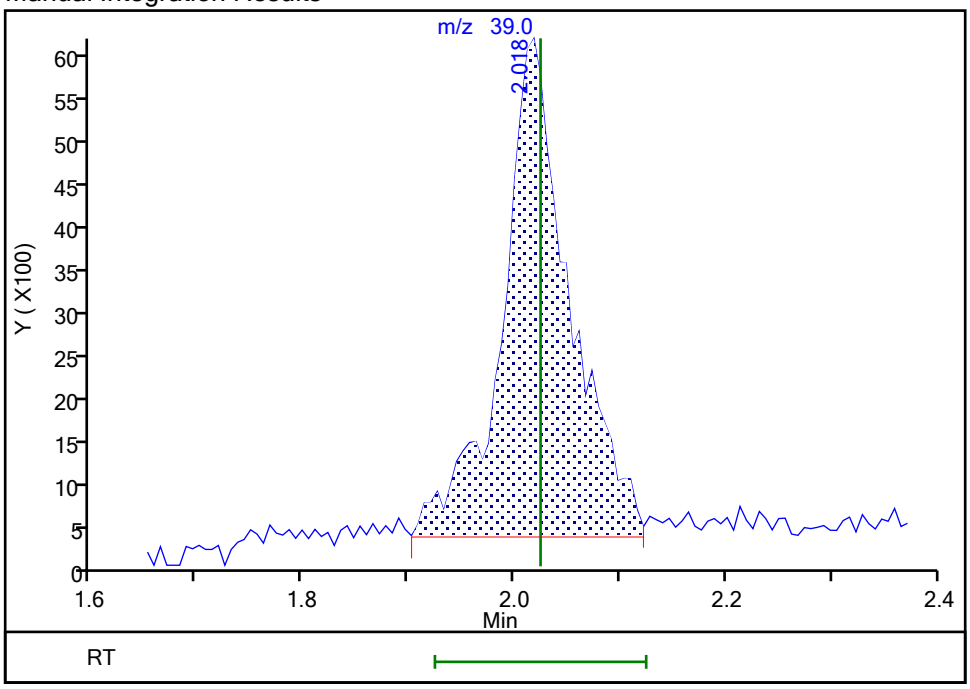
Processing Integration Results

RT: 2.02
Area: 15526
Amount: 0.165390
Amount Units: ug/l



Manual Integration Results

RT: 2.02
Area: 26306
Amount: 0.258981
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:54:33 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

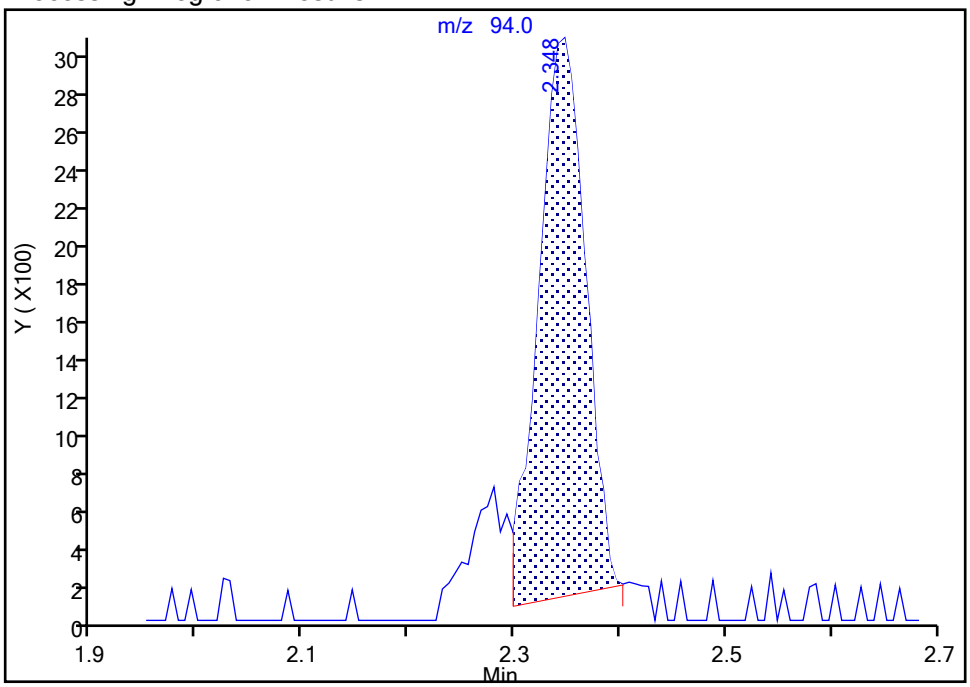
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D				
Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

9 Bromomethane, CAS: 74-83-9

Signal: 1

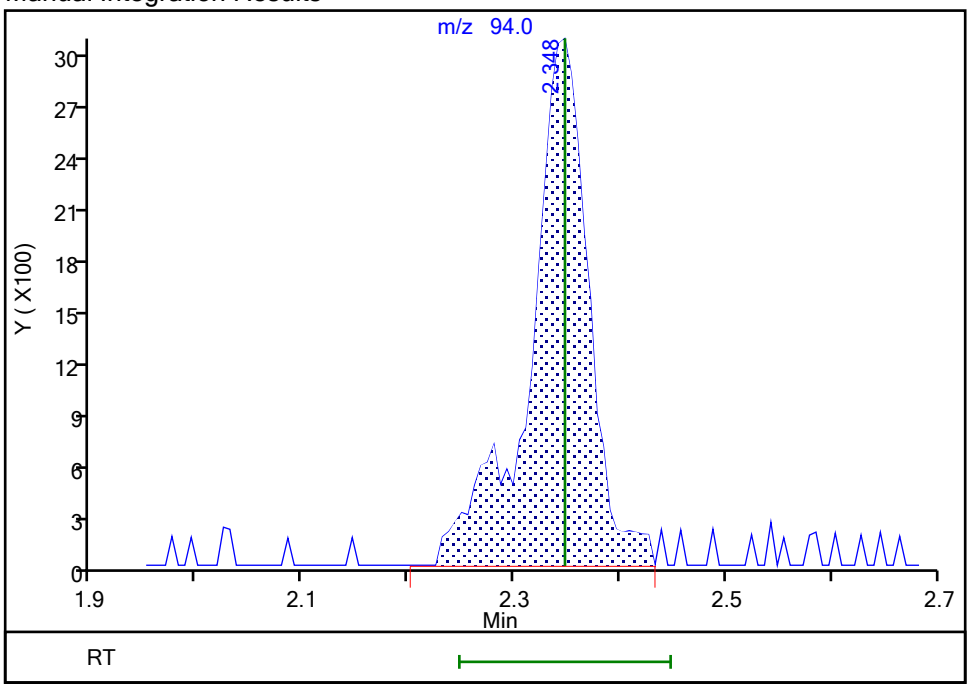
Processing Integration Results

RT: 2.35
Area: 8864
Amount: 0.185192
Amount Units: ug/l



Manual Integration Results

RT: 2.35
Area: 11642
Amount: 0.233550
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:54:39 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

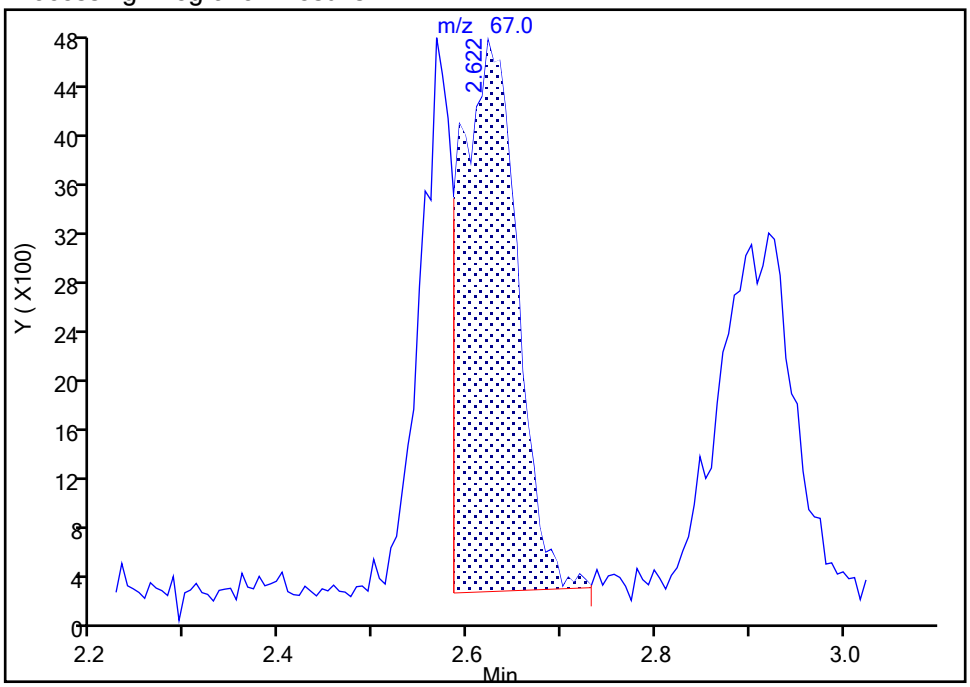
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D				
Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

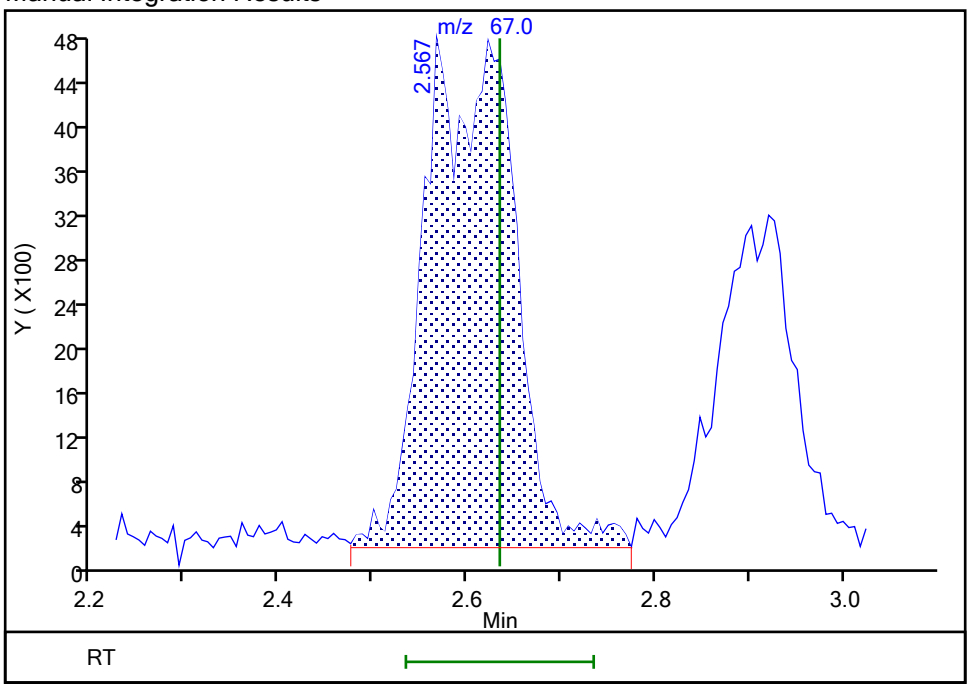
Processing Integration Results

RT: 2.62
Area: 18898
Amount: 0.158086
Amount Units: ug/l



Manual Integration Results

RT: 2.57
Area: 30223
Amount: 0.236798
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:55:02 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

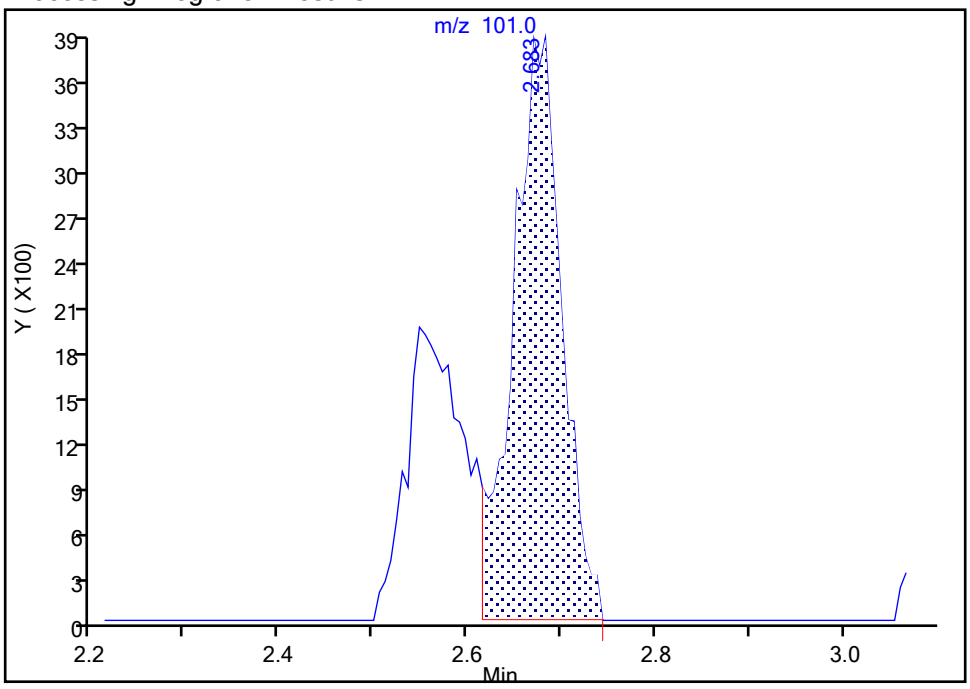
Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D
Injection Date: 04-Jun-2025 21:06:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

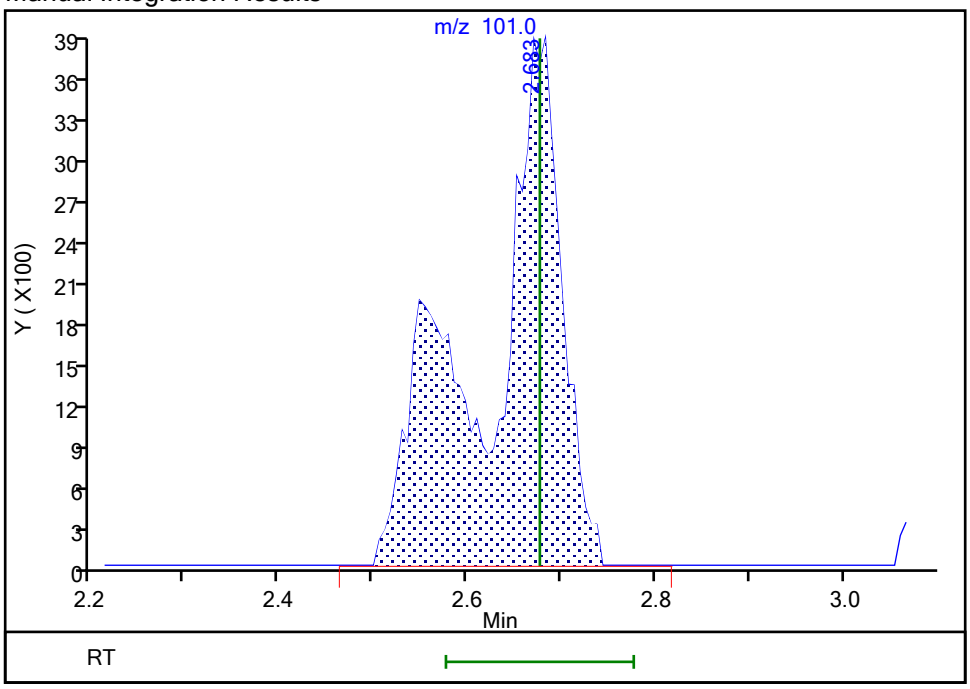
Processing Integration Results

RT: 2.68
Area: 13964
Amount: 0.150102
Amount Units: ug/l



Manual Integration Results

RT: 2.68
Area: 21831
Amount: 0.221335
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:55:07 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

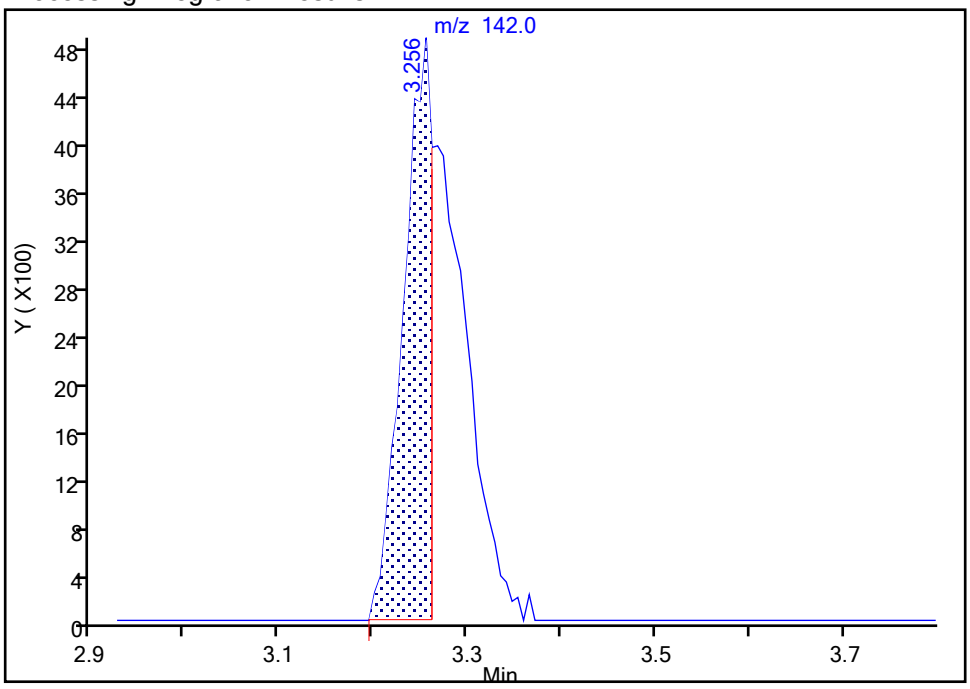
Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D
Injection Date: 04-Jun-2025 21:06:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

22 Iodomethane, CAS: 74-88-4

Signal: 1

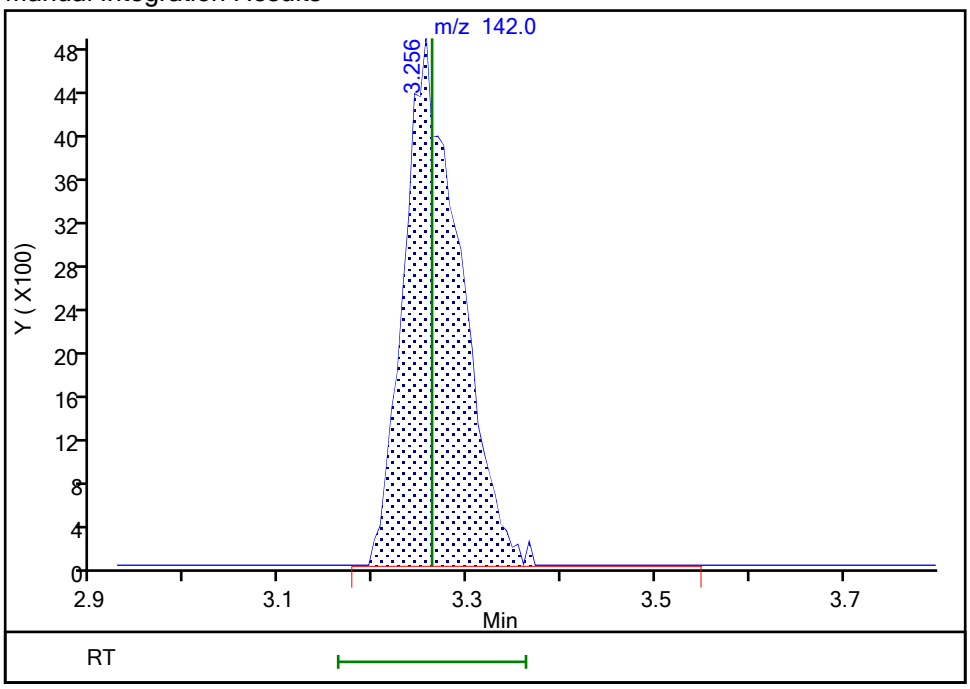
Processing Integration Results

RT: 3.26
Area: 10297
Amount: 0.160500
Amount Units: ug/l



Manual Integration Results

RT: 3.26
Area: 20144
Amount: 0.203613
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:55:40 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

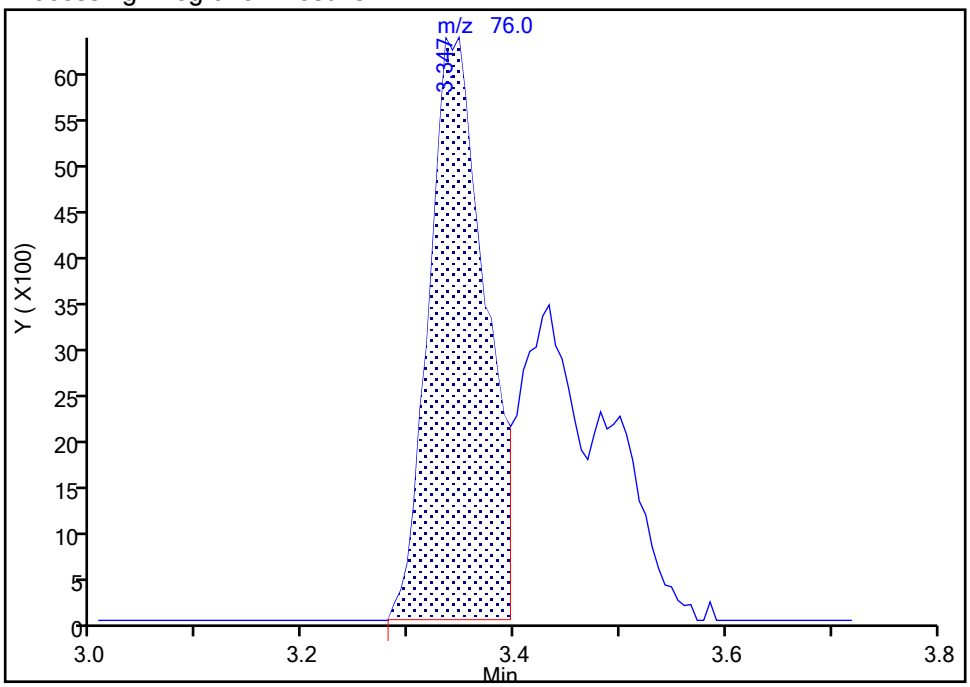
Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D
Injection Date: 04-Jun-2025 21:06:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

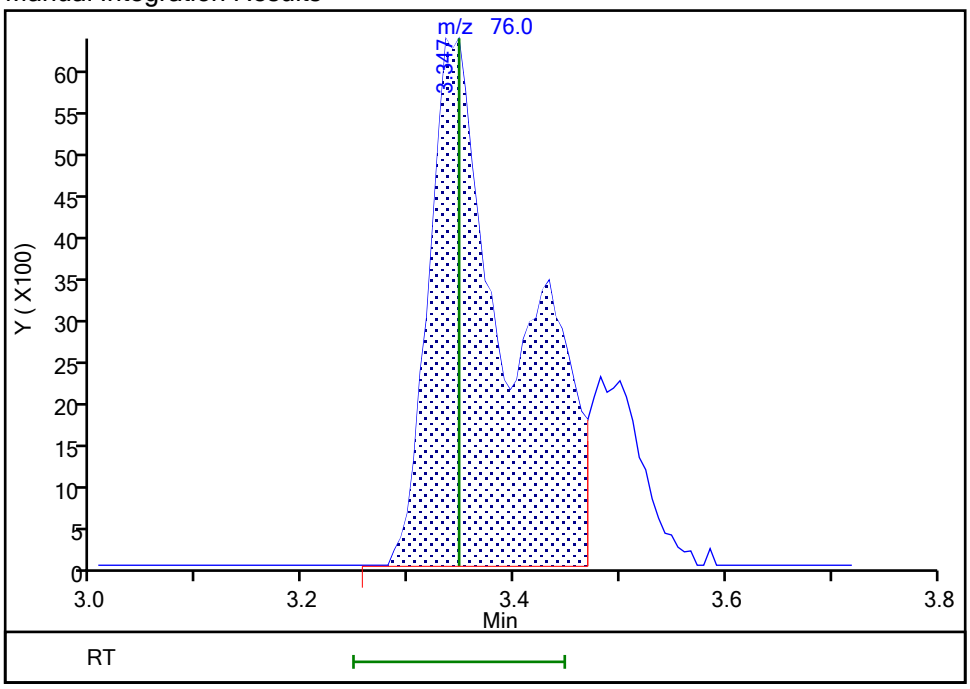
Processing Integration Results

RT: 3.35
Area: 23713
Amount: 0.138698
Amount Units: ug/l



Manual Integration Results

RT: 3.35
Area: 35375
Amount: 0.197435
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:15:41 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

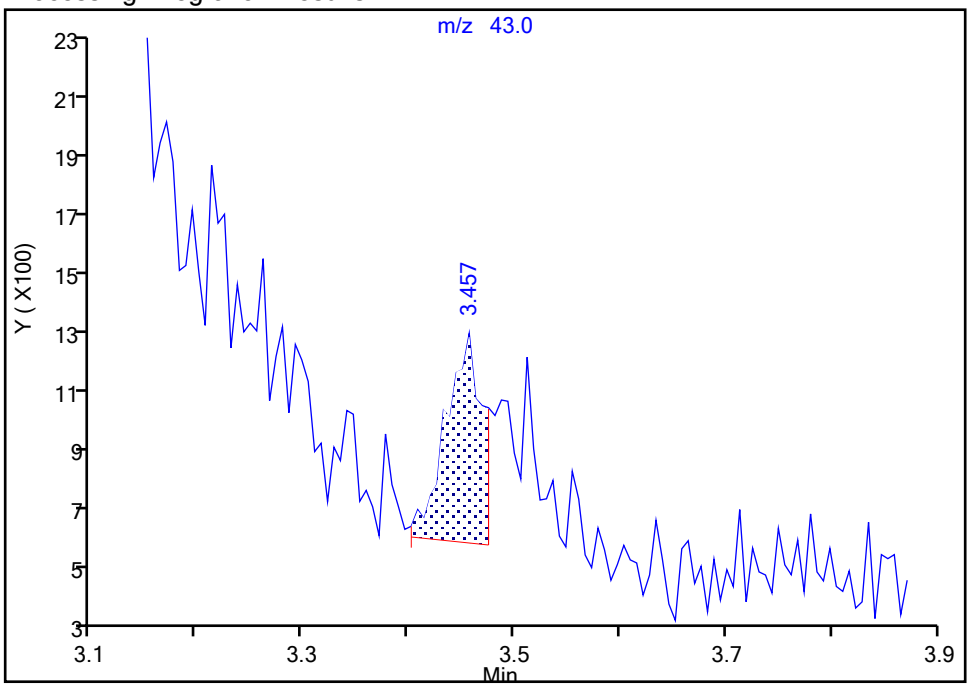
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D				
Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

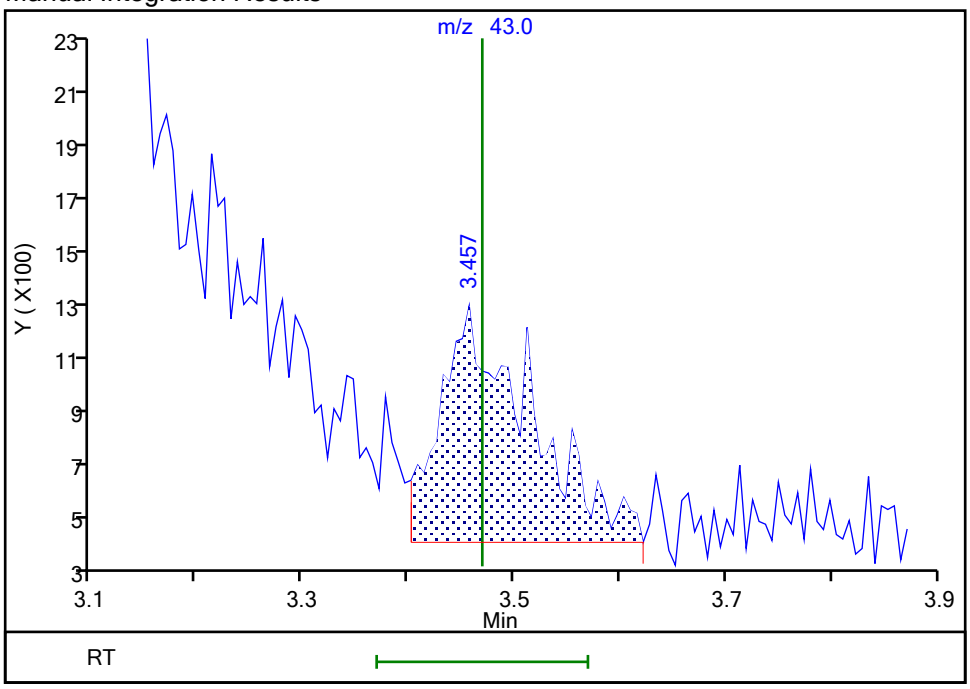
Processing Integration Results

RT: 3.46
Area: 1635
Amount: 0.143503
Amount Units: ug/l



Manual Integration Results

RT: 3.46
Area: 5090
Amount: 0.226652
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:56:08 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

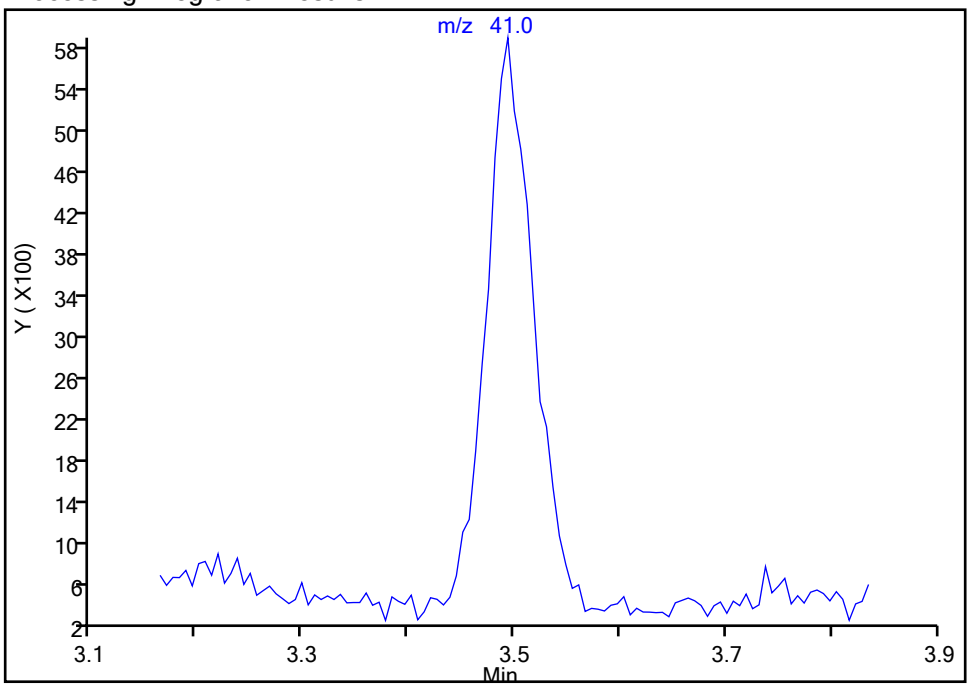
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D				
Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

29 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

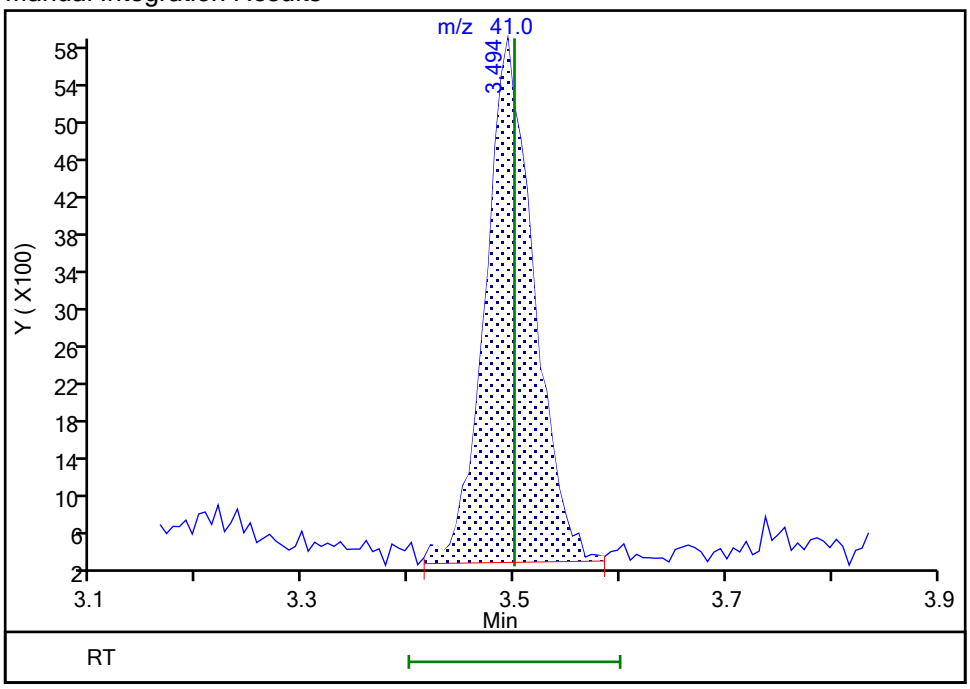
Not Detected
Expected RT: 3.50

Processing Integration Results



Manual Integration Results

RT: 3.49
Area: 17856
Amount: 0.195060
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:56:10 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

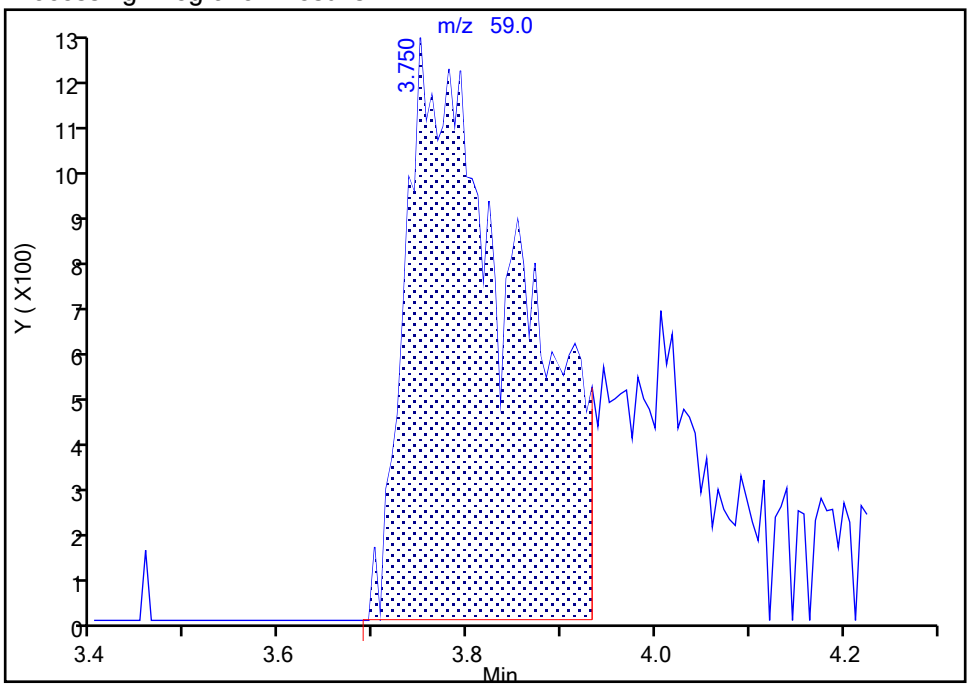
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D				
Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

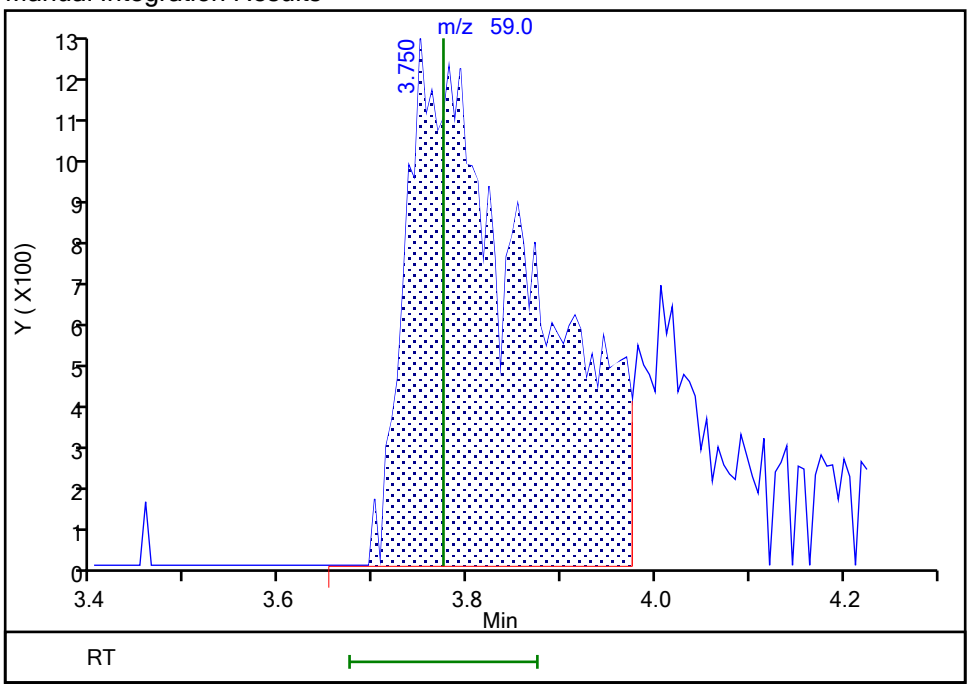
Processing Integration Results

RT: 3.75
Area: 10479
Amount: 3.895742
Amount Units: ug/l



Manual Integration Results

RT: 3.75
Area: 11696
Amount: 4.465904
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:13:55 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

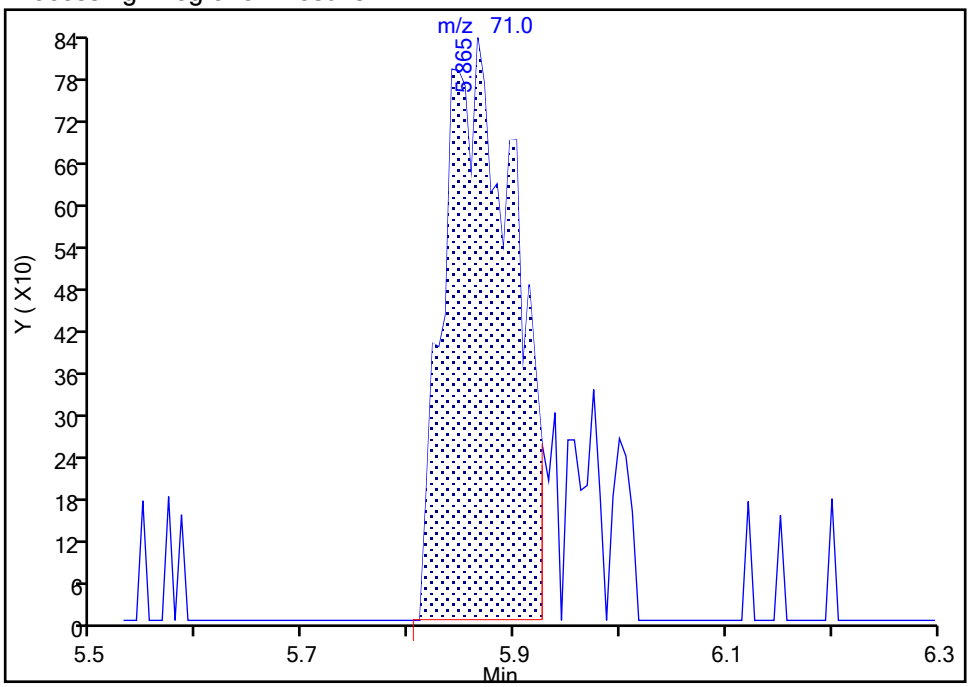
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D				
Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

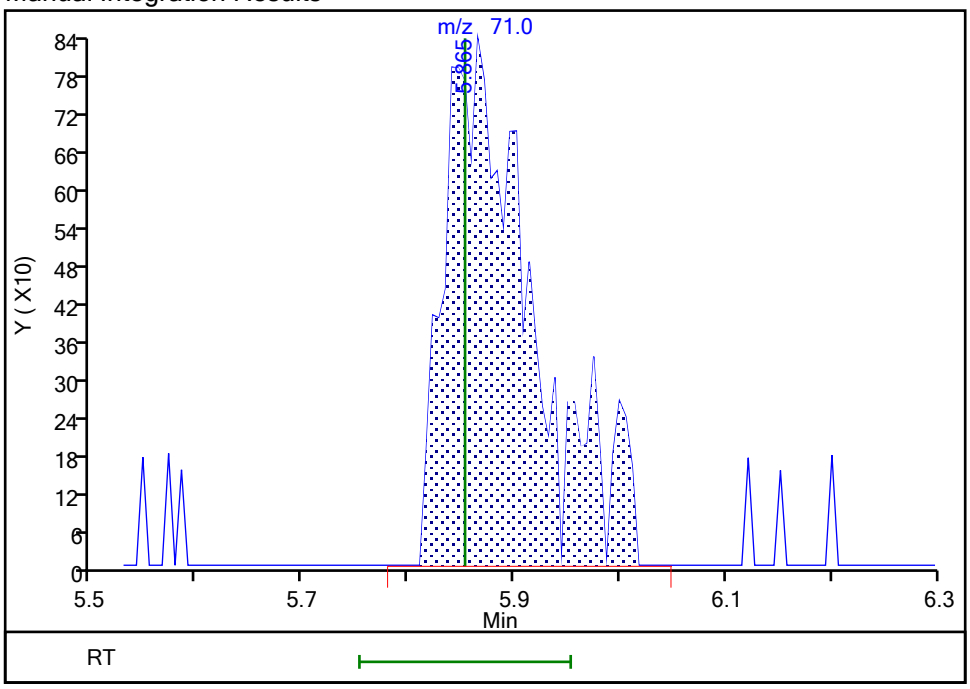
Processing Integration Results

RT: 5.87
Area: 3862
Amount: 0.875942
Amount Units: ug/l



Manual Integration Results

RT: 5.87
Area: 4860
Amount: 1.067770
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:57:23 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

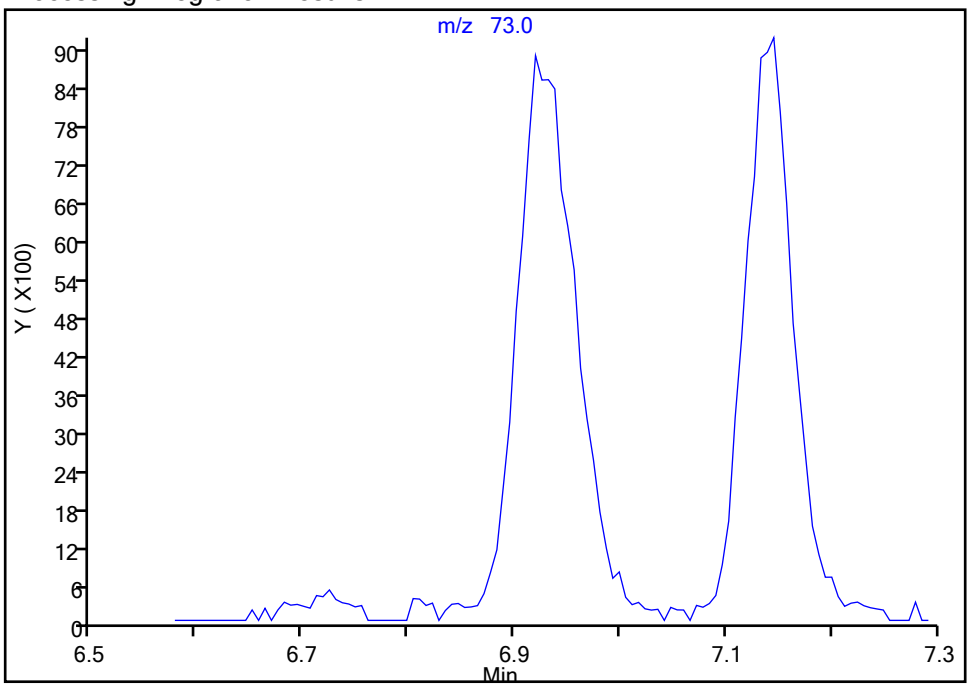
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D				
Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

64 Tert-amyl methyl ether, CAS: 994-05-8

Signal: 1

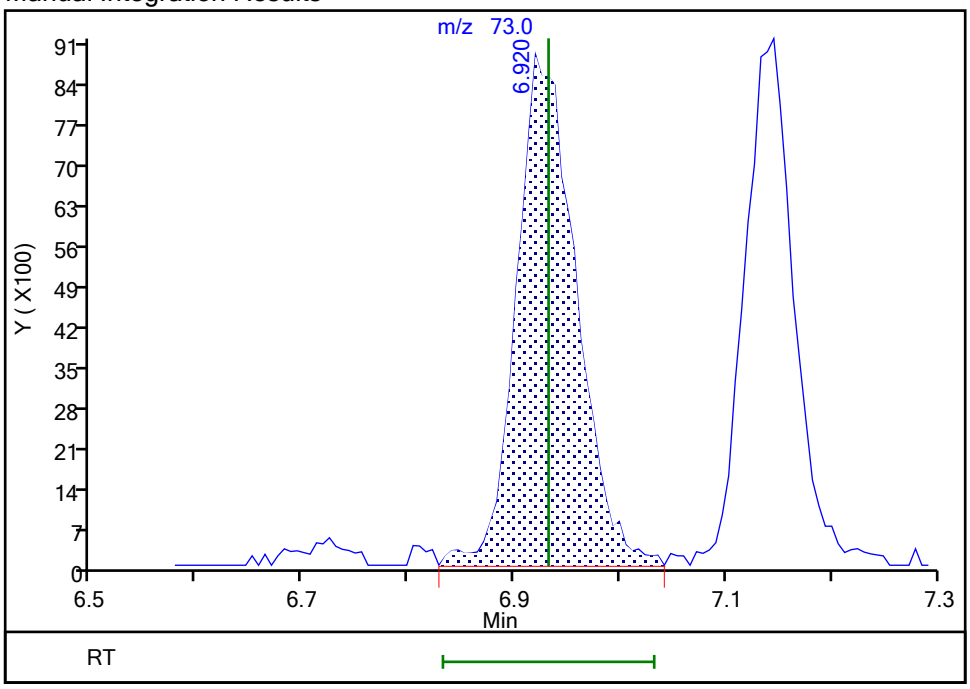
Not Detected
Expected RT: 6.93

Processing Integration Results



Manual Integration Results

RT: 6.92
Area: 34686
Amount: 0.195072
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:57:35 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

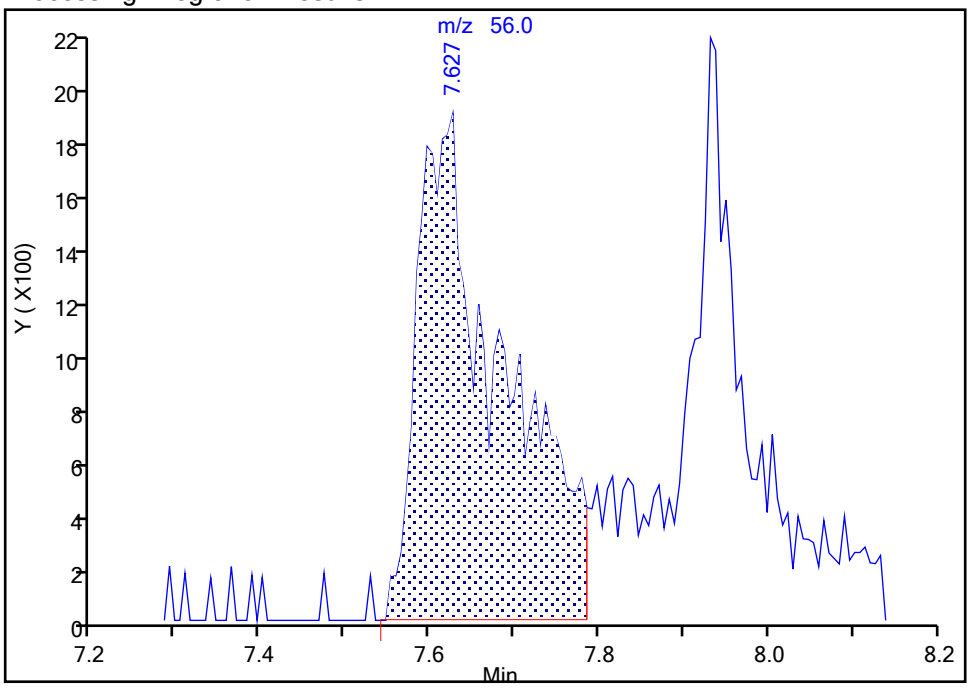
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D				
Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

67 n-Butanol, CAS: 71-36-3

Signal: 1

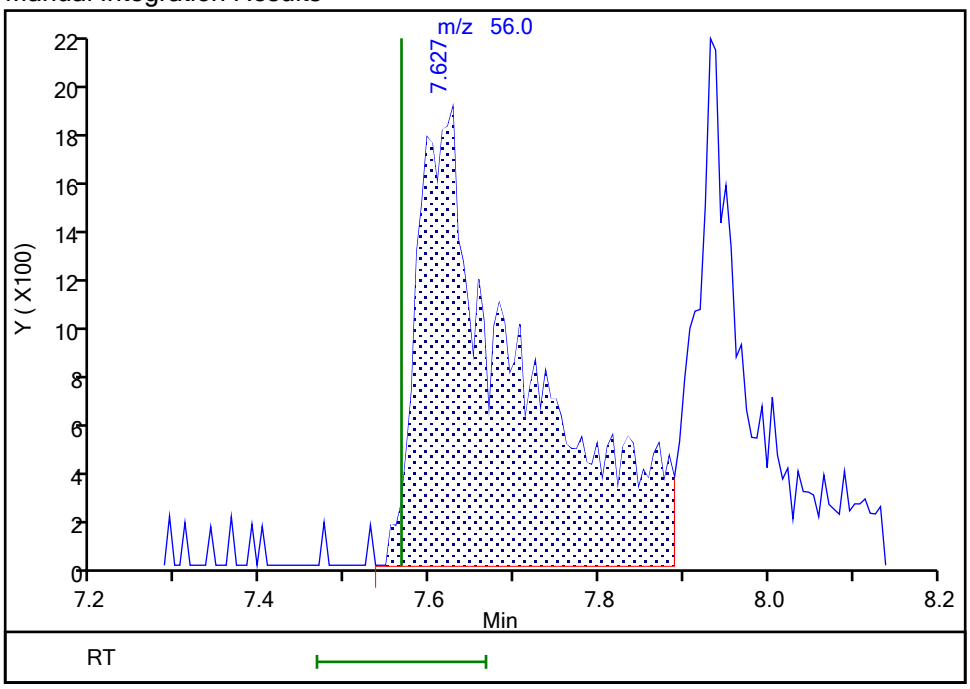
Processing Integration Results

RT: 7.63
Area: 13020
Amount: 13.238414
Amount Units: ug/l



Manual Integration Results

RT: 7.63
Area: 15631
Amount: 15.556085
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:57:53 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

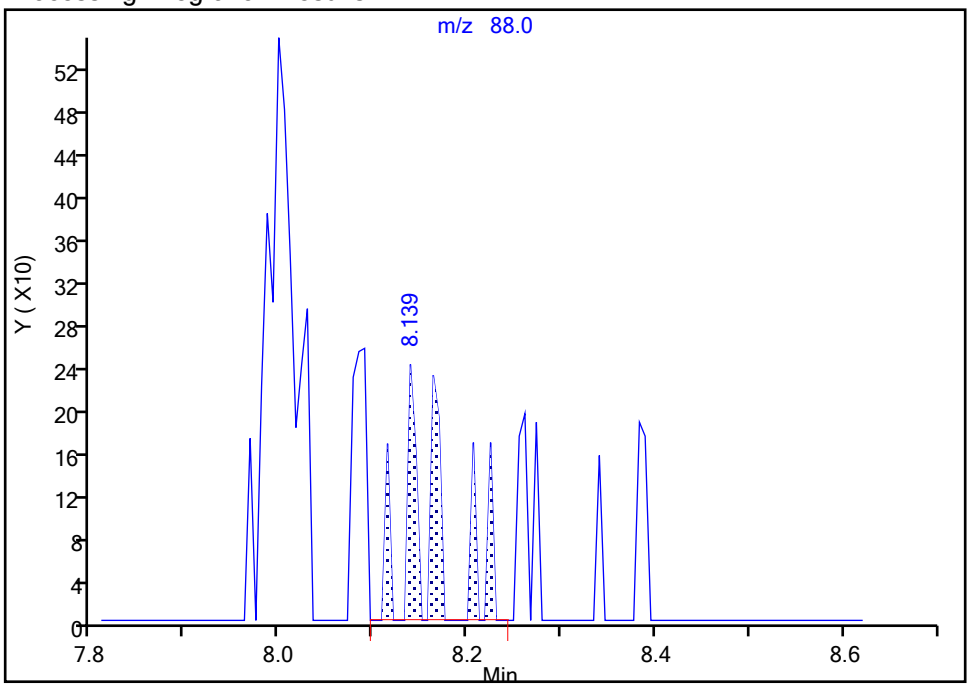
Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D
Injection Date: 04-Jun-2025 21:06:30 Instrument ID: 10193
Lims ID: IC std1 0.2
Client ID:
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

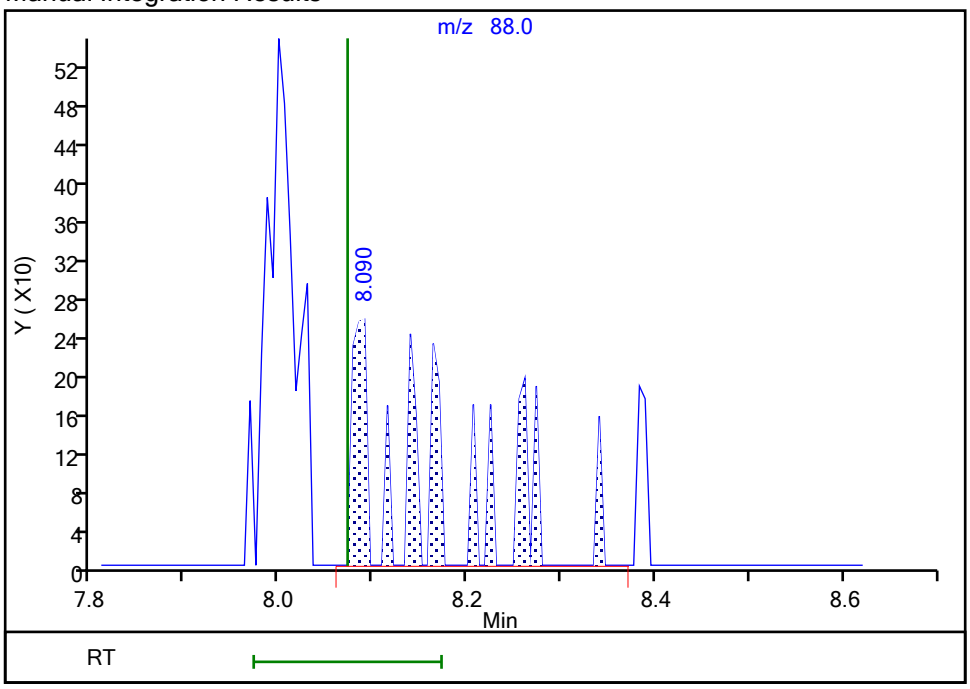
Processing Integration Results

RT: 8.14
Area: 478
Amount: 5.926297
Amount Units: ug/l



Manual Integration Results

RT: 8.09
Area: 1004
Amount: 4.047480
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:57:59 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X13.D
Lims ID: IC std2 0.5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-Jun-2025 21:28:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-014
Misc. Info.: IC STD.5 LG
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:22 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 10:40:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.762	1.762	0.000	34	36639	0.5000	0.5027	
5 Chloromethane	50	1.945	1.945	0.000	99	44518	0.5000	0.5149	
7 Butadiene	39	2.025	2.025	0.000	86	56745	0.5000	0.5701	M
6 Vinyl chloride	62	2.049	2.043	0.006	98	37886	0.5000	0.4958	
9 Bromomethane	94	2.354	2.348	0.006	90	24105	0.5000	0.4935	M
10 Chloroethane	64	2.372	2.372	0.000	99	22164	0.5000	0.5117	
11 Dichlorofluoromethane	67	2.646	2.634	0.012	93	60141	0.5000	0.4809	M
13 Pentane	43	2.646	2.646	0.000	94	48069	0.5000	0.5720	
12 Trichlorofluoromethane	101	2.689	2.677	0.012	96	48159	0.5000	0.4983	
14 Ethyl ether	59	2.835	2.823	0.012	93	22436	0.5002	0.4871	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.915	2.927	-0.012	91	33545	0.5000	0.4965	
17 Acrolein	56	2.982	2.970	0.012	100	182054	24.4	28.8	
18 1,1-Dichloroethene	96	3.097	3.098	-0.001	98	26733	0.5000	0.5610	
20 Acetone	43	3.122	3.116	0.006	91	46805	5.00	5.67	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.146	3.140	0.006	91	28216	0.5000	0.5701	
24 Isopropyl alcohol	45	3.274	3.250	0.024	35	19835	10.0	12.6	M
22 Iodomethane	142	3.262	3.262	0.000	100	53929	0.5000	0.5563	
23 Ethyl bromide	108	3.280	3.280	0.000	95	22703	0.4995	0.4970	
25 Carbon disulfide	76	3.354	3.347	0.007	99	96559	0.5000	0.5500	M
26 Methyl acetate	43	3.500	3.469	0.031	34	12278	0.5000	0.5520	
29 3-Chloro-1-propene	41	3.500	3.500	0.000	87	48948	0.5000	0.5457	
* 31 t-Butyl alcohol-d10 (IS)	65	3.664	3.652	0.012	94	174580	50.0	50.0	
30 Methylene Chloride	84	3.671	3.658	0.013	93	32383	0.5000	0.5631	
32 2-Methyl-2-propanol	59	3.774	3.774	0.000	98	29554	10.0	11.4	M
33 Acrylonitrile	53	3.981	3.957	0.024	97	18145	1.25	1.50	
34 Methyl tert-butyl ether	73	4.018	4.018	0.000	91	90870	0.5000	0.5577	
35 trans-1,2-Dichloroethene	96	4.024	4.018	0.006	97	31672	0.5000	0.5389	
36 Hexane	57	4.414	4.414	0.000	93	46021	0.5000	0.5752	
37 1,1-Dichloroethane	63	4.658	4.658	0.000	96	57414	0.5000	0.5365	
39 Isopropyl ether	45	4.737	4.725	0.012	94	108151	0.5000	0.5465	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.780	4.768	0.012	92	51648	0.5000	0.5471	
41 Tert-butyl ethyl ether	59	5.280	5.274	0.006	97	104459	0.5000	0.5361	
42 2-Butanone (MEK)	43	5.493	5.475	0.018	100	87186	5.00	5.50	
43 cis-1,2-Dichloroethene	96	5.524	5.512	0.012	83	37064	0.5000	0.5474	
44 2,2-Dichloropropane	77	5.524	5.530	-0.006	75	47596	0.5000	0.5664	
45 Propionitrile	54	5.597	5.573	0.024	96	47161	10.0	11.0	
47 Methacrylonitrile	67	5.810	5.798	0.012	92	85178	5.00	5.55	
48 Chlorobromomethane	128	5.865	5.853	0.012	91	17134	0.5000	0.5669	a
49 Tetrahydrofuran	71	5.859	5.853	0.006	71	13373	2.50	2.97	M
50 Chloroform	83	6.024	6.012	0.012	95	59315	0.5000	0.5459	
S 52 1,2-Dichloroethene, Total	100				0			1.09	
$ 54 Dibromofluoromethane (Surr)	113	6.237	6.231	0.006	93	529654	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.237	6.231	0.006	40	51613	0.5000	0.5423	
55 Cyclohexane	56	6.335	6.329	0.006	92	56567	0.5000	0.5591	
56 Carbon tetrachloride	117	6.450	6.444	0.006	96	44236	0.5000	0.5455	
57 1,1-Dichloropropene	75	6.457	6.457	0.000	94	48086	0.5000	0.5630	
58 Isobutyl alcohol	41	6.664	6.652	0.012	92	29650	25.0	28.1	M
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.700	6.694	0.006	99	113484	10.0	10.4	
60 Benzene	78	6.725	6.725	0.000	96	138487	0.5000	0.5439	
61 1,2-Dichloroethane	62	6.798	6.798	0.000	87	39279	0.5000	0.5640	
64 Tert-amyl methyl ether	73	6.932	6.932	0.000	98	94606	0.5000	0.5430	
* 65 Fluorobenzene (IS)	96	7.145	7.139	0.006	99	2238774	10.0	10.0	
66 n-Heptane	43	7.164	7.164	0.000	38	43824	0.5000	0.5559	
67 n-Butanol	56	7.597	7.566	0.031	92	40500	43.8	40.7	
68 Trichloroethene	95	7.639	7.633	0.006	99	36985	0.5000	0.5489	
69 Methylcyclohexane	83	7.944	7.938	0.006	93	60861	0.5000	0.5621	
70 1,2-Dichloropropane	63	7.968	7.975	-0.007	96	35654	0.5000	0.5472	
71 2-ethoxy-2-methyl butane	87	7.999	8.005	-0.006	90	53988	0.5000	0.5289	
74 1,4-Dioxane	88	8.096	8.072	0.024	29	6307	25.0	25.7	M
73 Methyl methacrylate	69	8.090	8.084	0.006	87	18128	0.5000	0.5732	
72 Dibromomethane	93	8.090	8.084	0.006	93	17242	0.5000	0.5351	
76 Dichlorobromomethane	83	8.334	8.334	0.000	99	41926	0.5000	0.5280	
77 2-Nitropropane	41	8.621	8.621	0.000	99	26697	2.50	2.61	
78 1-Bromo-2-chloroethane	63	8.737	8.731	0.006	99	30753	0.5000	0.4819	
80 cis-1,3-Dichloropropene	75	8.913	8.907	0.006	95	51547	0.5000	0.5273	
82 4-Methyl-2-pentanone (MIBK)	43	9.121	9.115	0.006	97	223633	5.00	5.32	
$ 83 Toluene-d8 (Surr)	98	9.249	9.249	0.000	94	2235974	10.0	9.96	
84 Toluene	92	9.334	9.328	0.006	98	89270	0.5000	0.5378	
85 trans-1,3-Dichloropropene	75	9.633	9.627	0.006	94	44145	0.5000	0.5257	
86 Ethyl methacrylate	69	9.712	9.706	0.006	88	37206	0.5000	0.5114	
87 1,1,2-Trichloroethane	97	9.846	9.846	0.000	90	25560	0.5000	0.5367	
88 Tetrachloroethene	166	9.925	9.925	0.000	98	43177	0.5000	0.5603	
89 1,3-Dichloropropane	76	10.017	10.017	0.000	93	43165	0.5000	0.5348	
S 107 1,3-Dichloropropene, Total	100				0			1.05	
106 2-Hexanone	43	10.096	10.090	0.006	97	159634	5.00	5.31	
108 Chlorodibromomethane	129	10.242	10.242	0.000	90	30414	0.5000	0.5233	
110 Ethylene Dibromide	107	10.352	10.352	0.000	99	24466	0.5000	0.5303	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.815	0.000	86	1709468	10.0	10.0	
112 1-Chlorohexane	91	10.840	10.834	0.006	92	52561	0.5000	0.5642	
113 Chlorobenzene	112	10.840	10.840	0.000	95	103211	0.5000	0.5432	
114 1,1,1,2-Tetrachloroethane	131	10.931	10.931	0.000	95	34106	0.5000	0.5274	
115 Ethylbenzene	91	10.937	10.937	0.000	98	178871	0.5000	0.5417	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.059	11.059	0.000	96	135488	1.00	1.06	
S 117 Xylenes, Total	106				0			1.59	
118 o-Xylene	106	11.407	11.401	0.006	96	67921	0.5000	0.5369	
119 Styrene	104	11.425	11.419	0.006	96	109797	0.5000	0.5218	
120 Bromoform	173	11.578	11.578	0.000	95	16294	0.5000	0.4814	
121 Isopropylbenzene	105	11.718	11.718	0.000	96	156315	0.5000	0.5364	
$ 124 4-Bromofluorobenzene (Surr)	95	11.864	11.864	0.000	91	831439	10.0	9.81	
126 1,1,2,2-Tetrachloroethane	83	11.980	11.980	0.000	69	30206	0.5000	0.5290	
125 Bromobenzene	156	11.980	11.980	0.000	92	44707	0.5000	0.5573	
127 trans-1,4-Dichloro-2-butene	53	12.010	12.004	0.006	93	67428	5.00	4.93	
128 1,2,3-Trichloropropane	110	12.023	12.023	0.000	81	8512	0.5000	0.5439	
129 N-Propylbenzene	91	12.059	12.059	0.000	98	201935	0.5000	0.5416	
130 2-Chlorotoluene	126	12.132	12.132	0.000	97	42598	0.5000	0.5558	
131 1,3,5-Trimethylbenzene	105	12.205	12.199	0.006	93	147909	0.5000	0.5483	
132 4-Chlorotoluene	126	12.230	12.230	0.000	98	44548	0.5000	0.5604	
133 tert-Butylbenzene	134	12.449	12.449	0.000	93	33953	0.5000	0.5485	
134 Pentachloroethane	167	12.474	12.474	0.000	91	22482	0.5000	0.4726	
135 1,2,4-Trimethylbenzene	105	12.492	12.492	0.000	97	149776	0.5000	0.5403	
136 sec-Butylbenzene	105	12.614	12.614	0.000	95	189963	0.5000	0.5516	
137 1,3-Dichlorobenzene	146	12.718	12.712	0.006	98	83293	0.5000	0.5414	
138 4-Isopropyltoluene	119	12.730	12.730	0.000	97	167243	0.5000	0.5557	
* 139 1,4-Dichlorobenzene-d4	152	12.772	12.772	0.000	95	903799	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.791	12.785	0.006	96	89506	0.5000	0.5573	
141 1,2,3-Trimethylbenzene	120	12.803	12.803	0.000	98	67632	0.5000	0.5399	
142 Benzyl chloride	126	12.876	12.870	0.006	99	10271	0.5000	0.5123	
145 p-Diethylbenzene	119	13.010	13.004	0.006	94	97219	0.5000	0.5337	
143 n-Butylbenzene	92	13.028	13.029	0.000	97	78339	0.5000	0.5399	
144 1,2-Dichlorobenzene	146	13.059	13.053	0.006	99	74720	0.5000	0.5323	
148 1,2-Dibromo-3-Chloropropane	155	13.614	13.608	0.006	83	3958	0.5000	0.5192	
149 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	98	55932	0.5000	0.5186	
150 1,2,4-Trichlorobenzene	180	14.168	14.169	-0.001	94	39754	0.5000	0.4879	
151 Hexachlorobutadiene	225	14.254	14.254	0.000	97	24592	0.5000	0.5398	
152 Naphthalene	128	14.351	14.345	0.006	97	61647	0.5000	0.4629	
153 1,2,3-Trichlorobenzene	180	14.498	14.492	0.006	96	30876	0.5000	0.4892	
154 2-Methylnaphthalene	142	15.107	15.101	0.006	93	17829	0.5000	0.7364	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

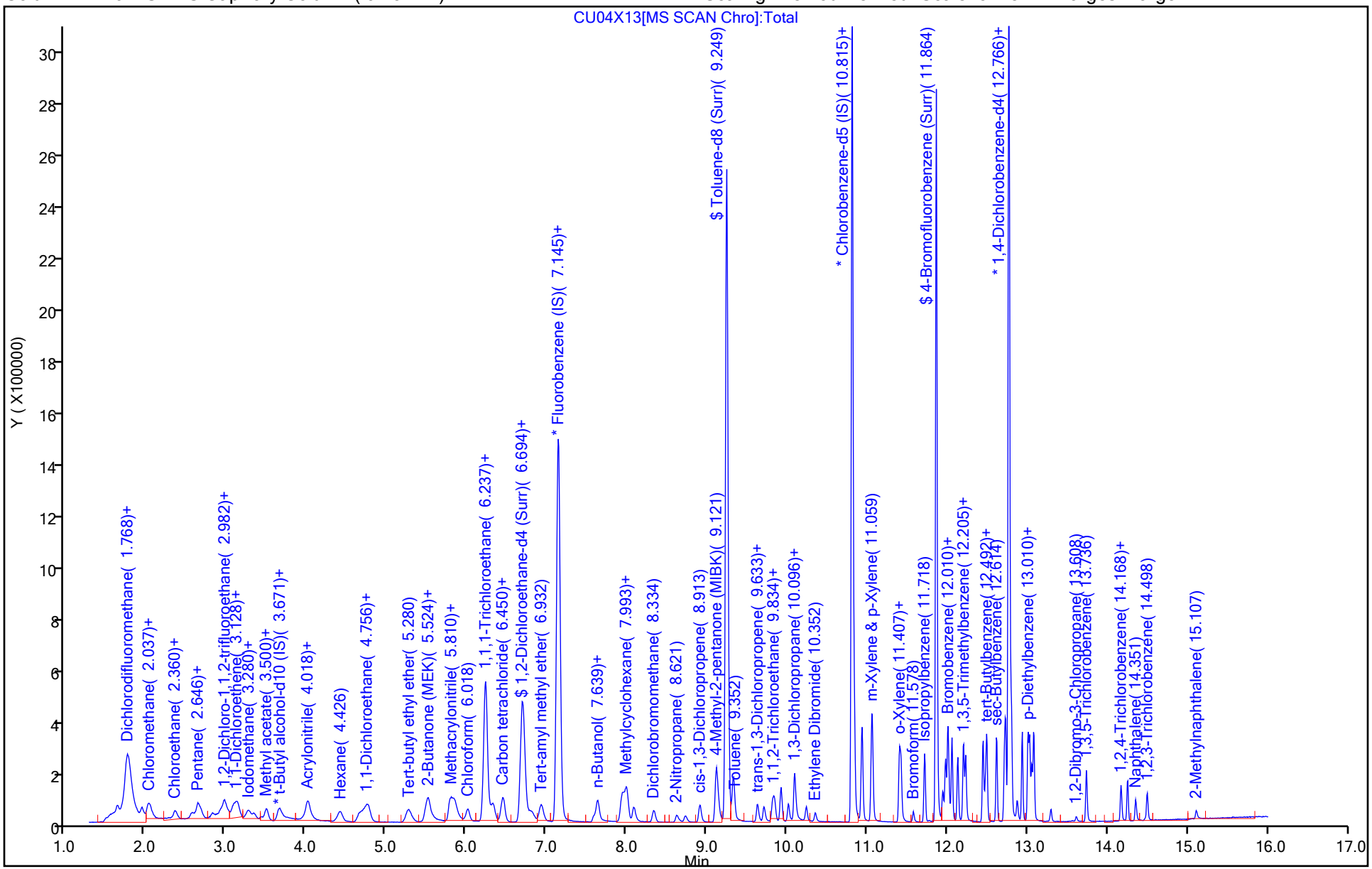
MSV_LL_#1_826_00168	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00181	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00274	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00114	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 06-Jun-2025 09:18:22 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X13.D				
Injection Date:	04-Jun-2025 21:28:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC std2 0.5			Worklist Smp#:	14
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

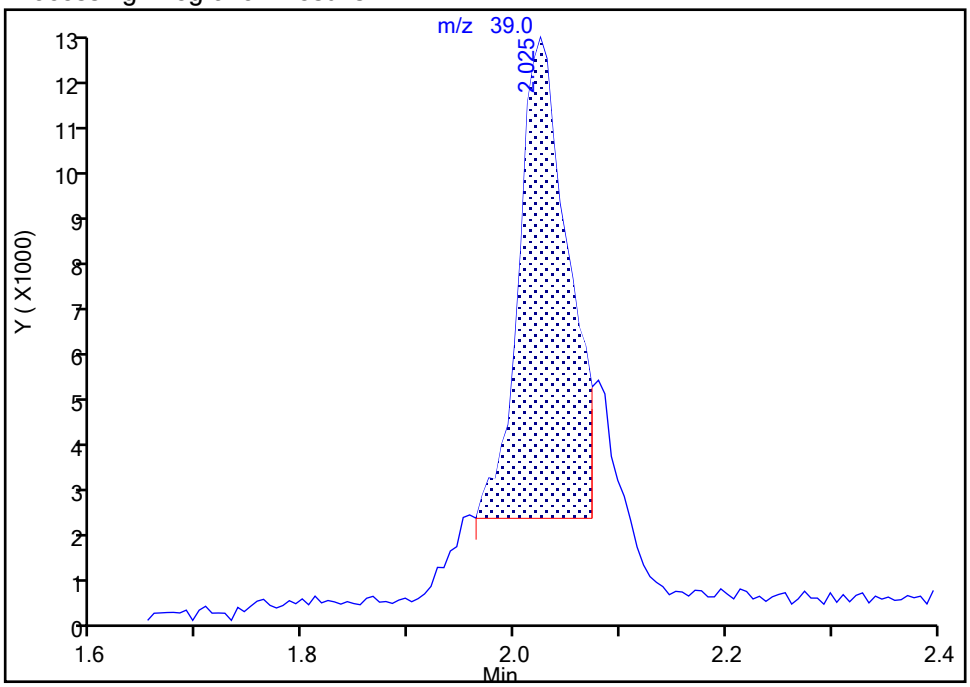
Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X13.D
Injection Date: 04-Jun-2025 21:28:30 Instrument ID: 10193
Lims ID: IC std2 0.5
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 1

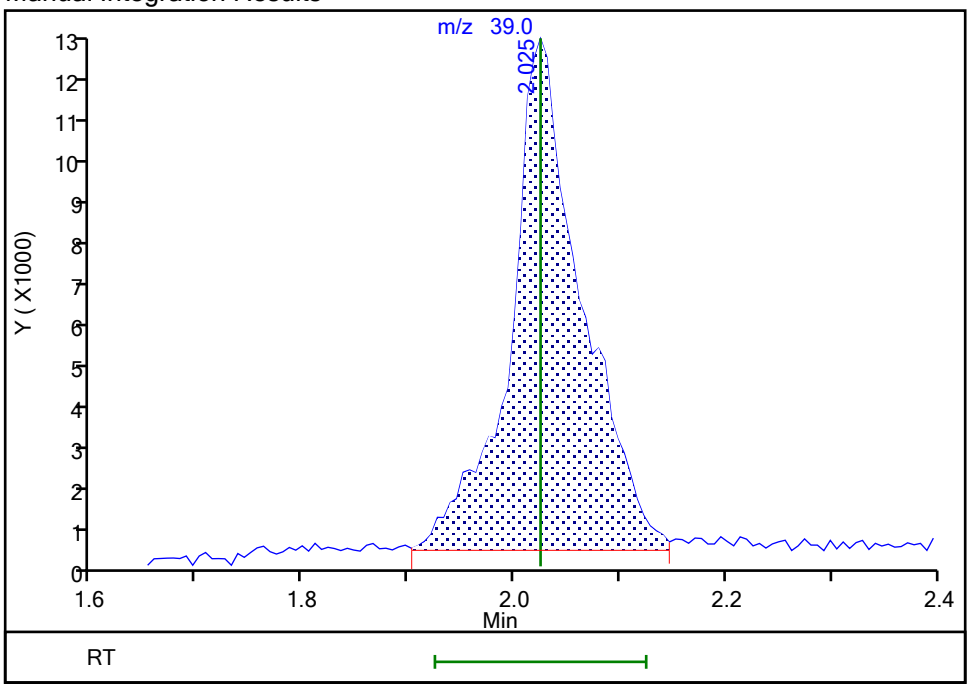
Processing Integration Results

RT: 2.02
Area: 33012
Amount: 0.387458
Amount Units: ug/l



Manual Integration Results

RT: 2.02
Area: 56745
Amount: 0.570146
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:52:34 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

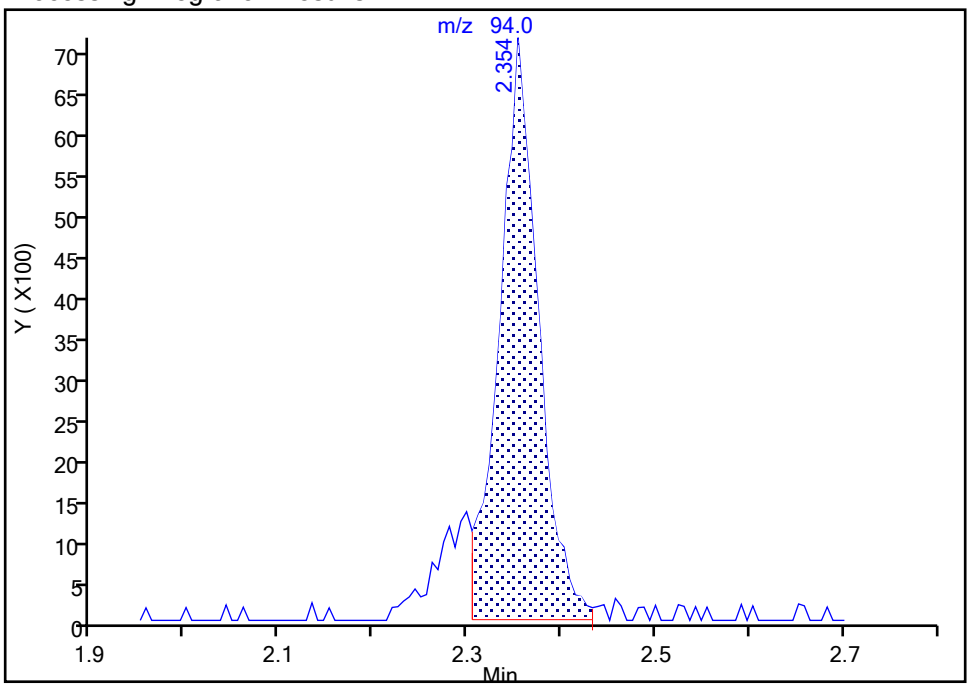
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X13.D				
Injection Date:	04-Jun-2025 21:28:30	Instrument ID:	10193		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

9 Bromomethane, CAS: 74-83-9

Signal: 1

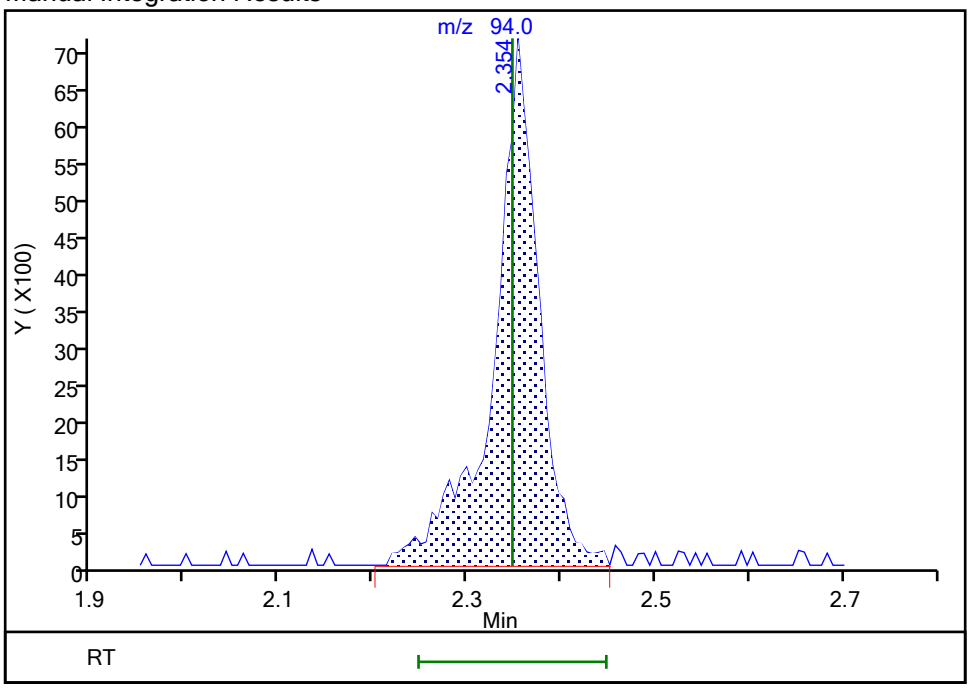
Processing Integration Results

RT: 2.35
Area: 20769
Amount: 0.452035
Amount Units: ug/l



Manual Integration Results

RT: 2.35
Area: 24105
Amount: 0.493520
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:52:40 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

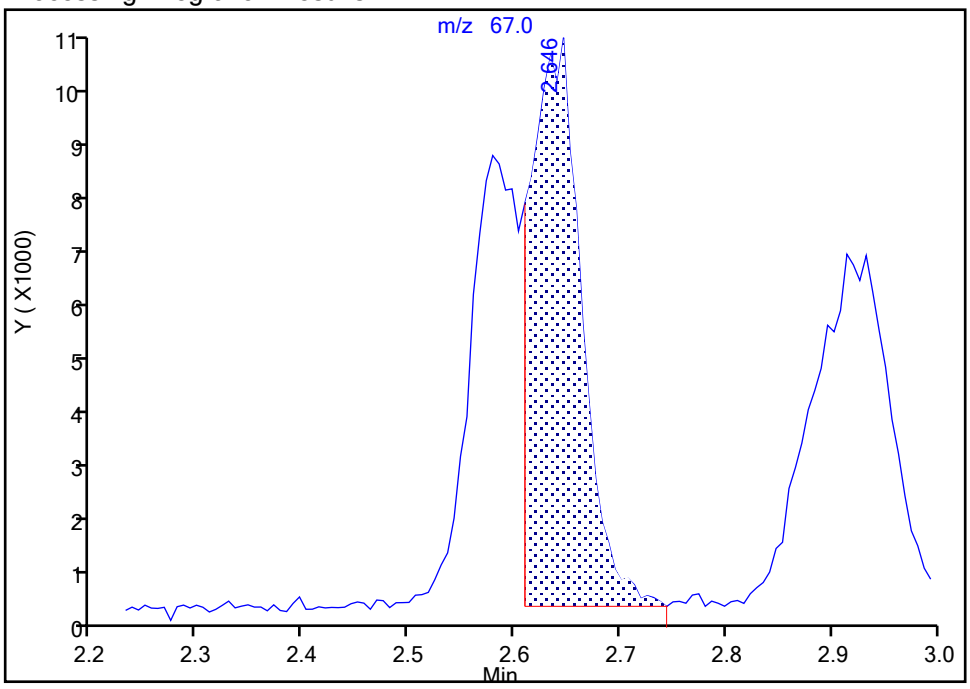
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X13.D				
Injection Date:	04-Jun-2025 21:28:30	Instrument ID:	10193		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

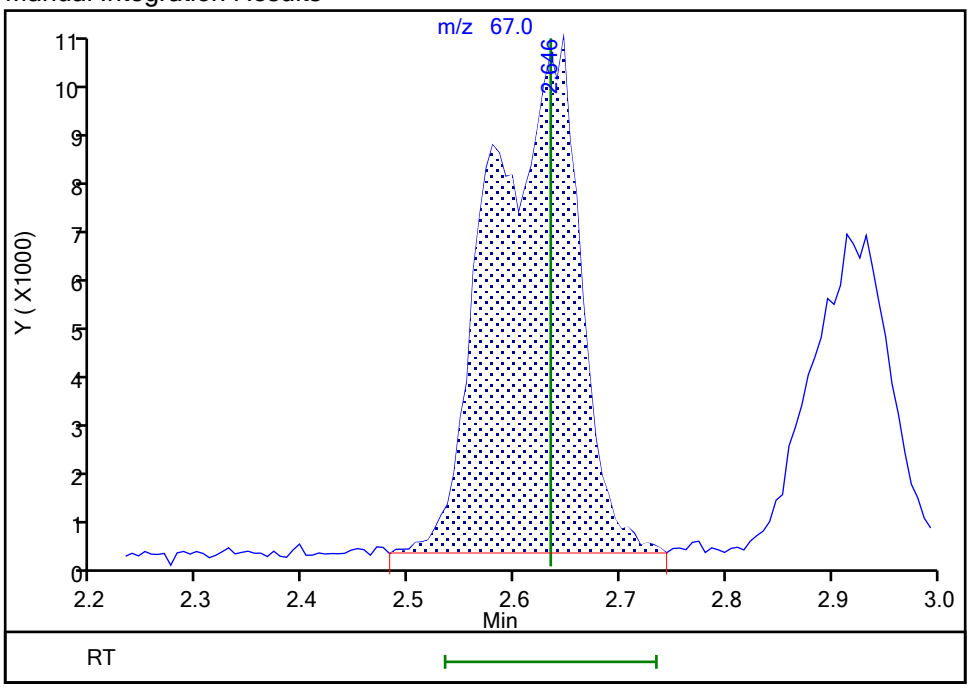
Processing Integration Results

RT: 2.65
Area: 34743
Amount: 0.357039
Amount Units: ug/l



Manual Integration Results

RT: 2.65
Area: 60141
Amount: 0.480902
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:52:44 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

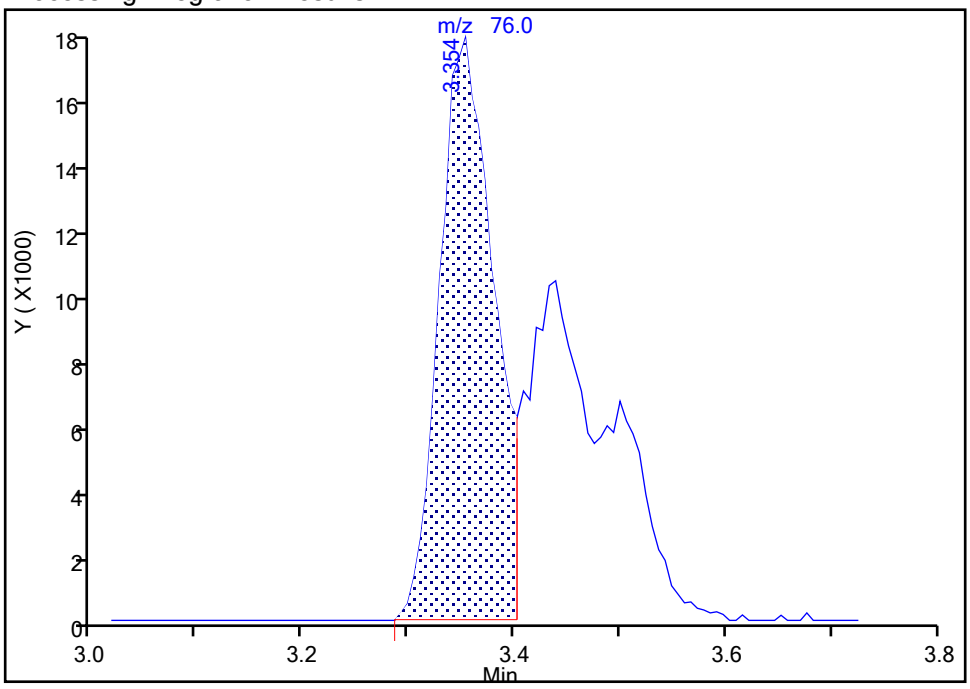
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X13.D				
Injection Date:	04-Jun-2025 21:28:30	Instrument ID:	10193		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

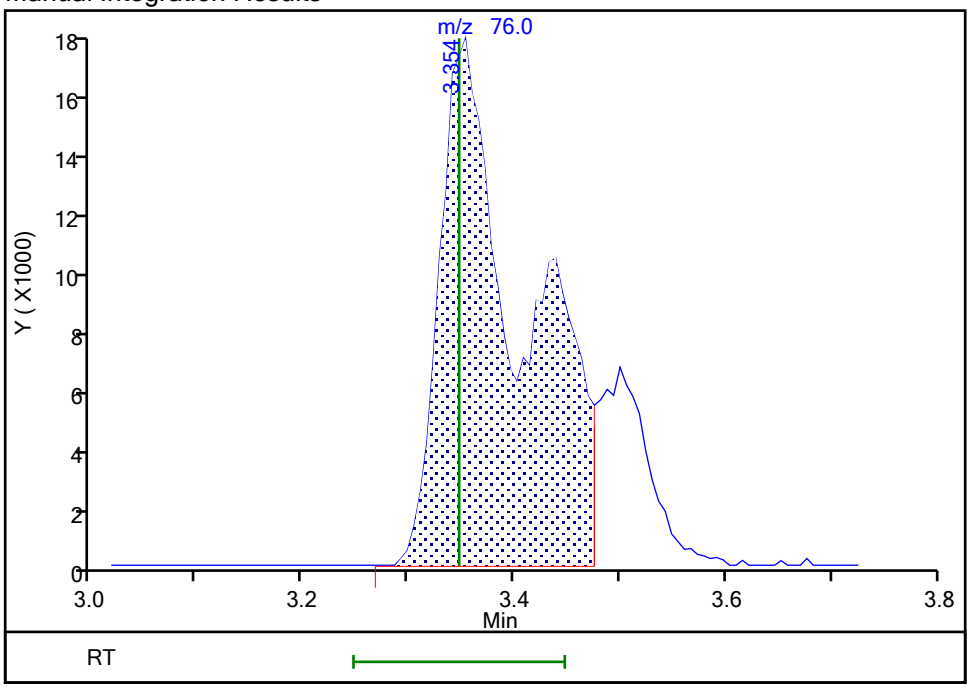
Processing Integration Results

RT: 3.35
Area: 62522
Amount: 0.396475
Amount Units: ug/l



Manual Integration Results

RT: 3.35
Area: 96559
Amount: 0.550005
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:13:27 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

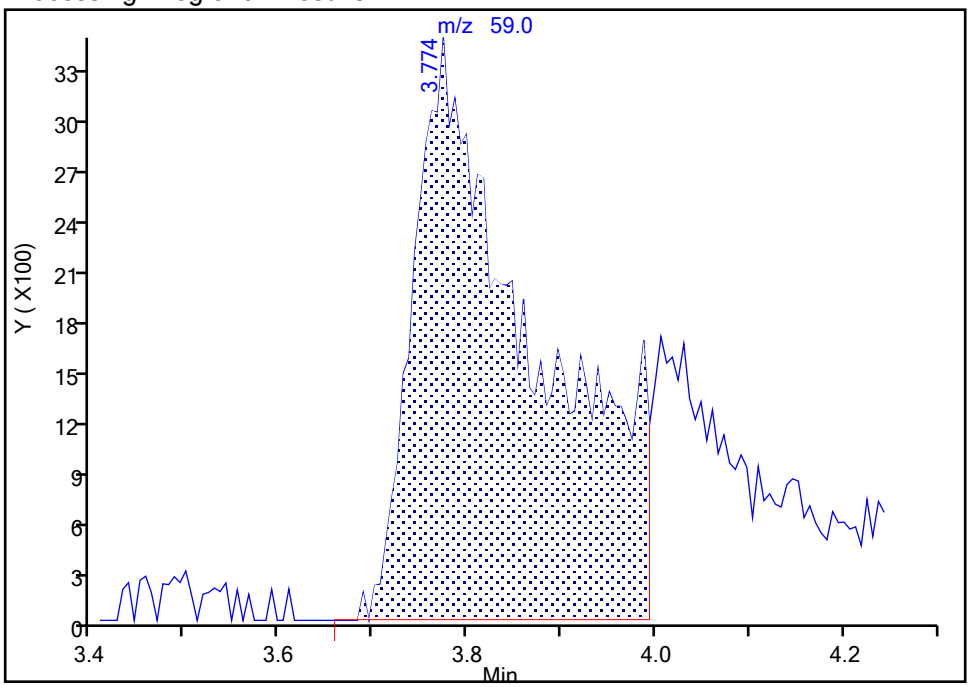
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X13.D				
Injection Date:	04-Jun-2025 21:28:30	Instrument ID:	10193		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

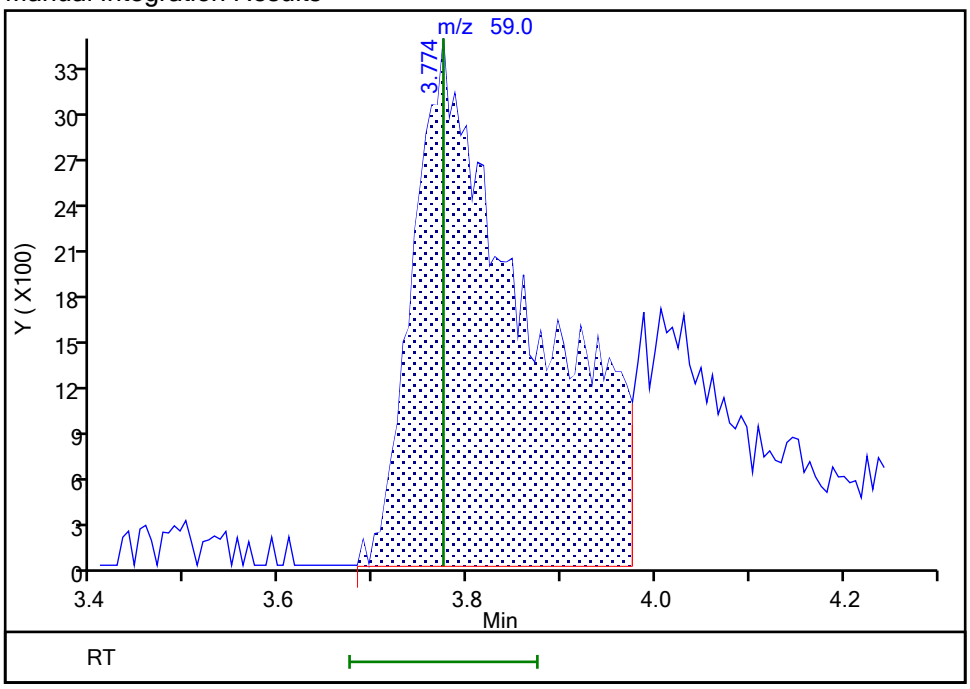
Processing Integration Results

RT: 3.77
Area: 31093
Amount: 11.035513
Amount Units: ug/l



Manual Integration Results

RT: 3.77
Area: 29554
Amount: 11.394217
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:14:51 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

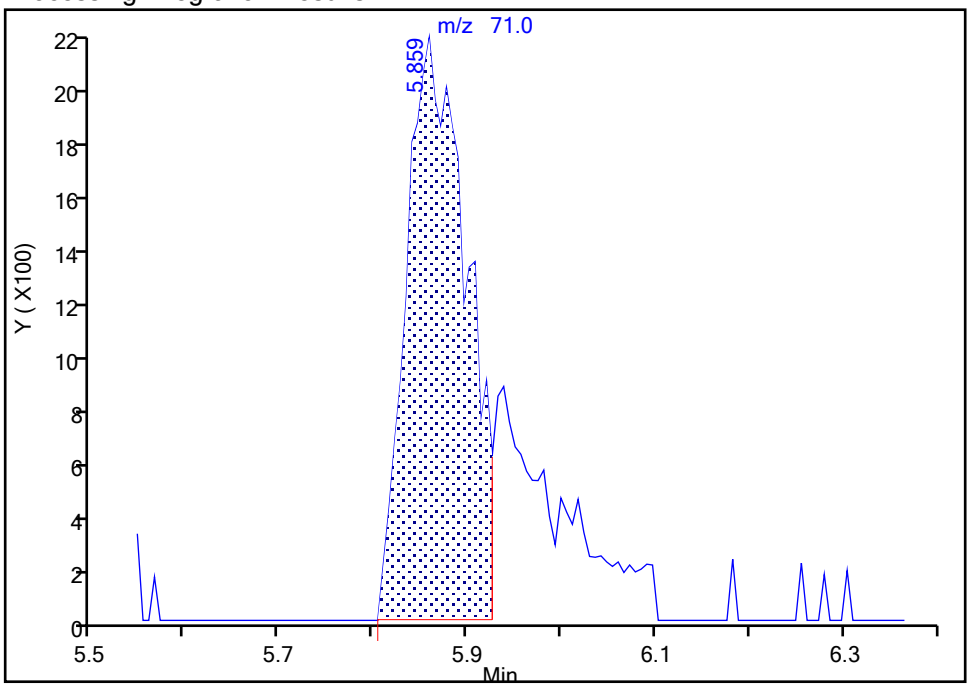
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X13.D				
Injection Date:	04-Jun-2025 21:28:30	Instrument ID:	10193		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

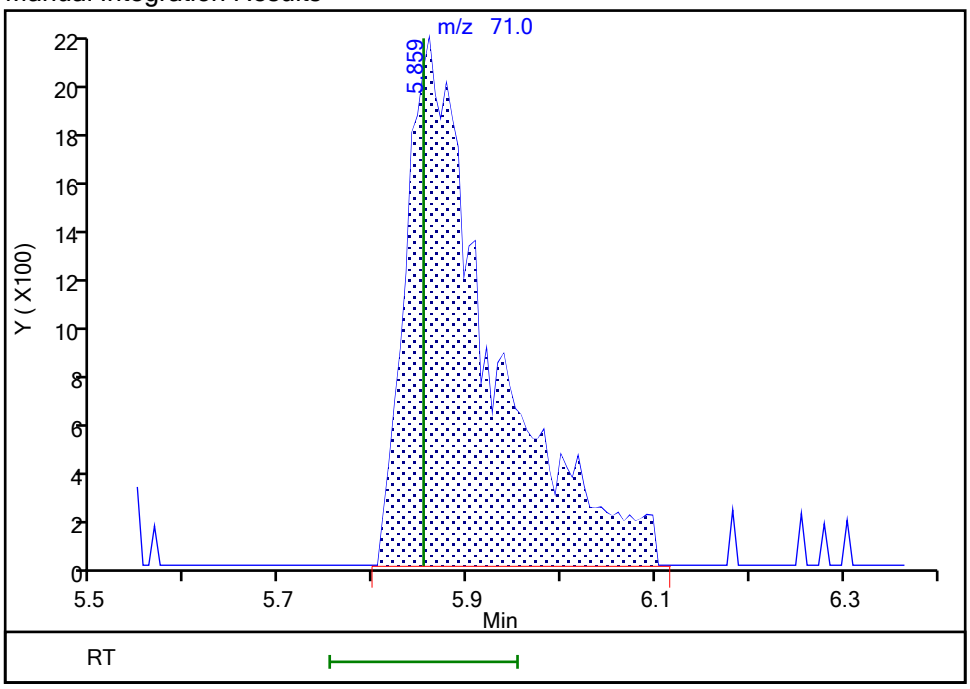
Processing Integration Results

RT: 5.86
Area: 9451
Amount: 2.281494
Amount Units: ug/l



Manual Integration Results

RT: 5.86
Area: 13373
Amount: 2.966652
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:53:14 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

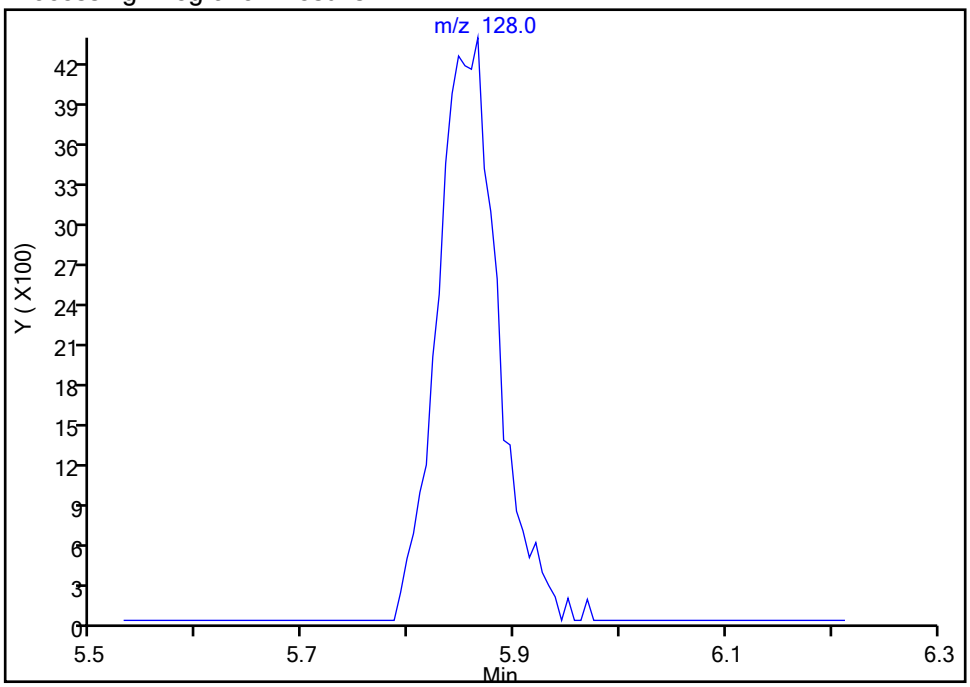
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X13.D				
Injection Date:	04-Jun-2025 21:28:30	Instrument ID:	10193		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

48 Chlorobromomethane, CAS: 74-97-5

Signal: 1

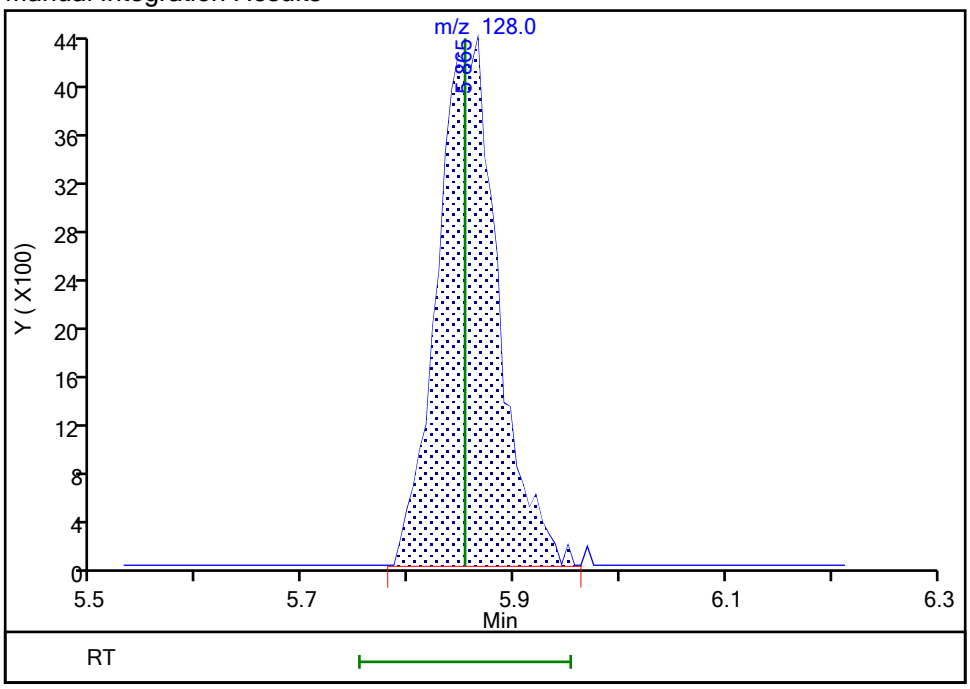
Not Detected
Expected RT: 5.85

Processing Integration Results



Manual Integration Results

RT: 5.87
Area: 17134
Amount: 0.566894
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:53:10 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

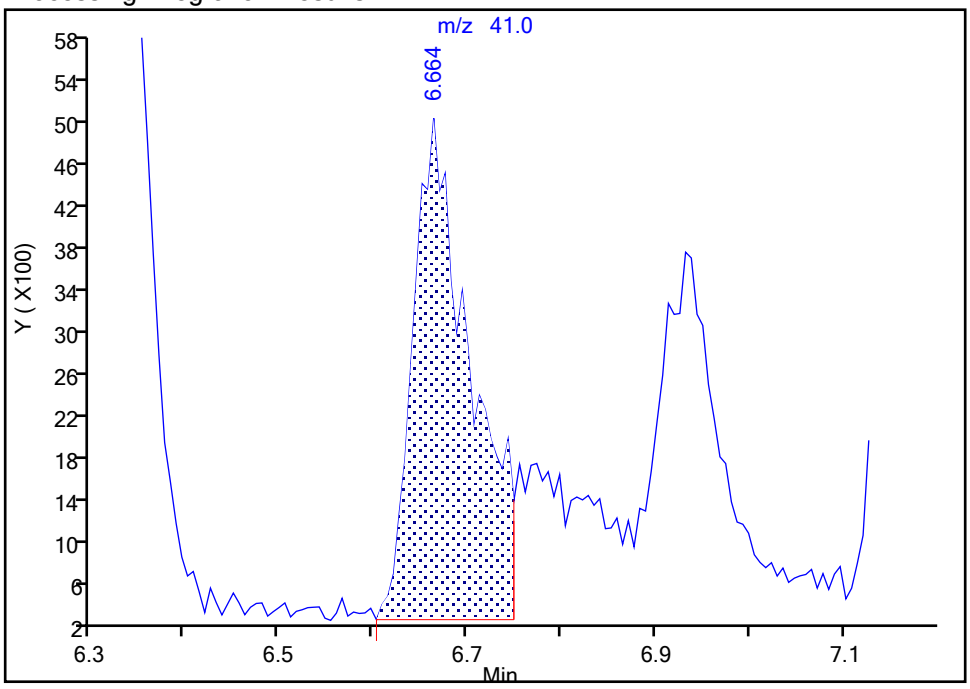
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X13.D				
Injection Date:	04-Jun-2025 21:28:30	Instrument ID:	10193		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

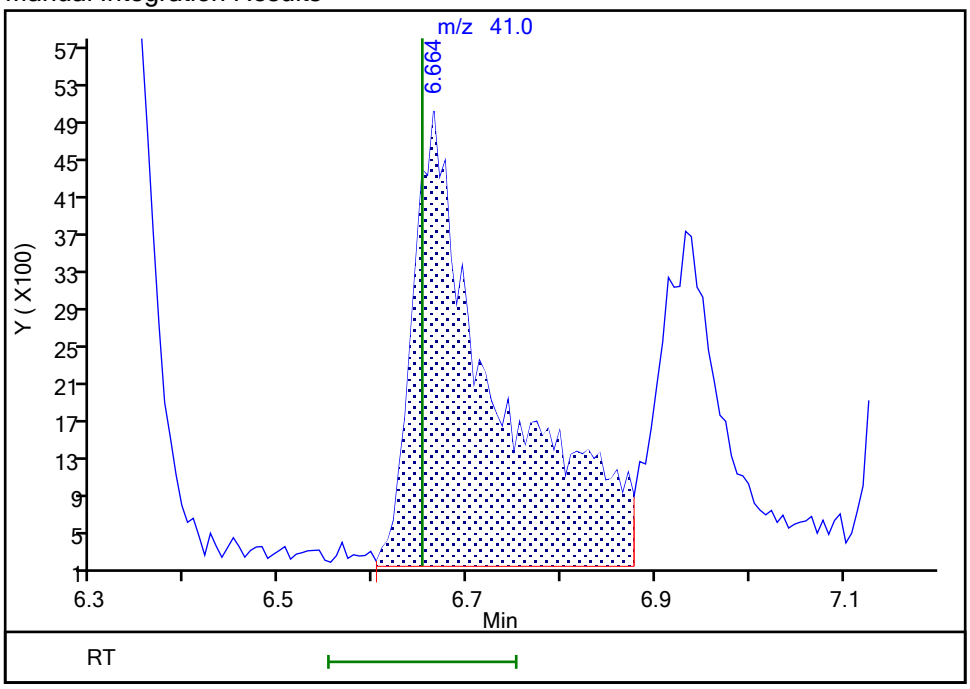
Processing Integration Results

RT: 6.66
Area: 20317
Amount: 20.243903
Amount Units: ug/l



Manual Integration Results

RT: 6.66
Area: 29650
Amount: 28.052621
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:53:30 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

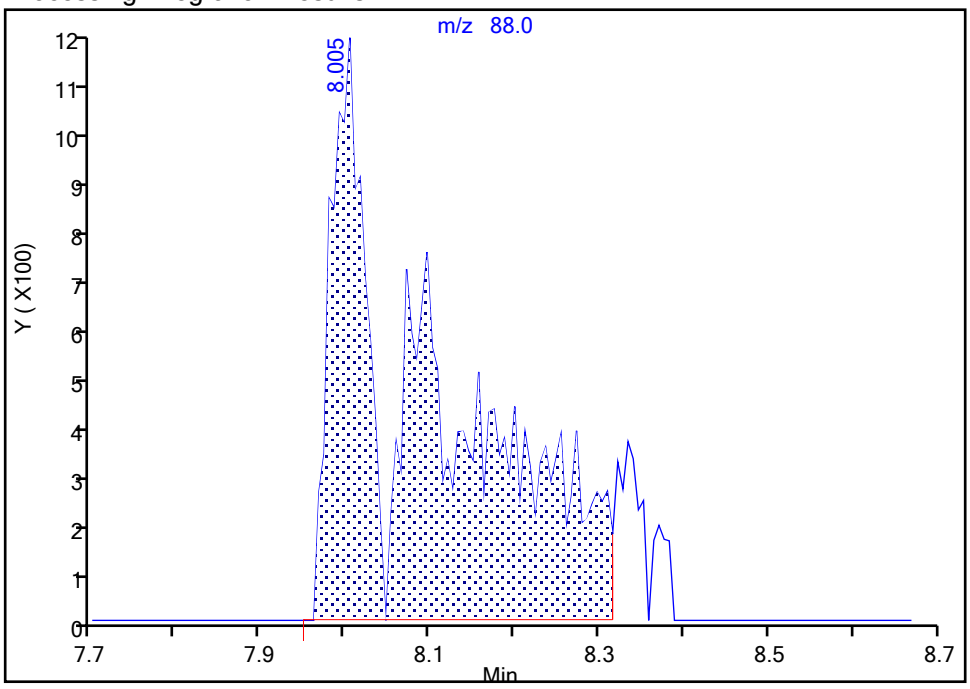
Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X13.D
Injection Date: 04-Jun-2025 21:28:30 Instrument ID: 10193
Lims ID: IC std2 0.5
Client ID:
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

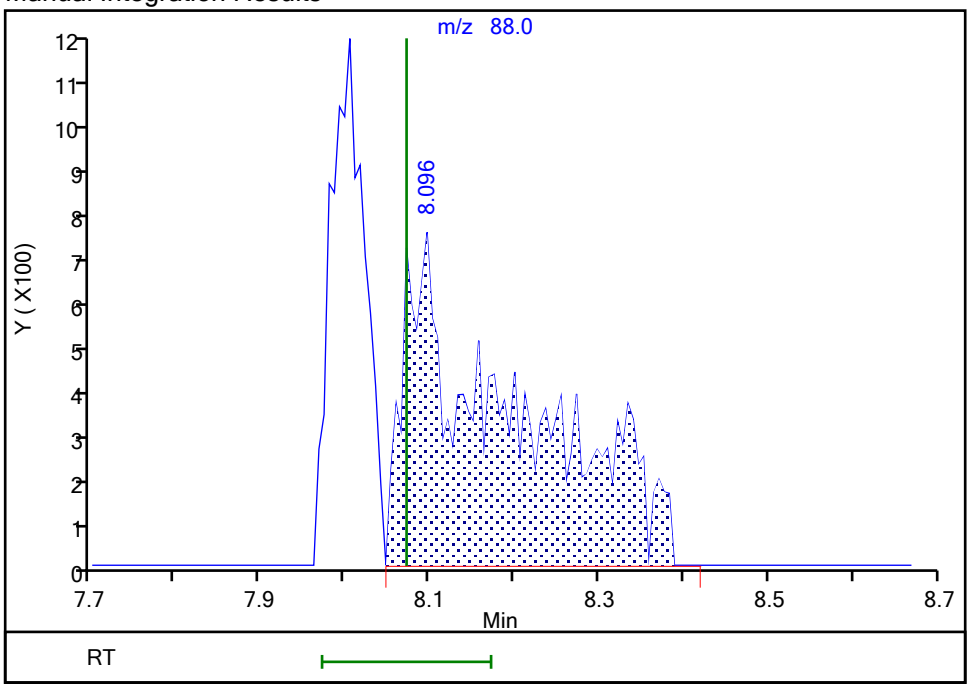
Processing Integration Results

RT: 8.01
Area: 8644
Amount: 37.554812
Amount Units: ug/l



Manual Integration Results

RT: 8.10
Area: 6307
Amount: 25.672609
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:53:52 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X14.D
Lims ID: IC std3 1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-Jun-2025 21:51:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-015
Misc. Info.: IC STD1 LG
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:27 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 10:41:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.756	1.762	-0.006	99	74421	1.00	1.00	
5 Chloromethane	50	1.939	1.945	-0.006	99	88049	1.00	1.00	
7 Butadiene	39	2.012	2.025	-0.013	94	97198	1.00	0.9604	
6 Vinyl chloride	62	2.037	2.043	-0.006	98	76193	1.00	0.9806	
9 Bromomethane	94	2.342	2.348	-0.006	90	48569	1.00	0.9779	M
10 Chloroethane	64	2.360	2.372	-0.012	99	42152	1.00	0.9569	
11 Dichlorofluoromethane	67	2.628	2.634	-0.006	97	122462	1.00	0.9630	M
13 Pentane	43	2.634	2.646	-0.012	98	82440	1.00	0.9646	
12 Trichlorofluoromethane	101	2.671	2.677	-0.006	98	100091	1.00	1.02	M
14 Ethyl ether	59	2.817	2.823	-0.006	93	46647	1.00	1.00	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.915	2.927	-0.012	93	68628	1.00	1.00	
17 Acrolein	56	2.969	2.970	-0.001	99	314981	48.8	50.0	
18 1,1-Dichloroethene	96	3.091	3.098	-0.007	98	46570	1.00	0.9611	
20 Acetone	43	3.122	3.116	0.006	99	83461	10.0	10.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.128	3.140	-0.012	92	48103	1.00	0.9558	
24 Isopropyl alcohol	45	3.244	3.250	-0.006	35	32344	20.0	20.7	M
22 Iodomethane	142	3.256	3.262	-0.006	100	88856	1.00	0.9014	
23 Ethyl bromide	108	3.280	3.280	0.000	99	44939	1.00	0.9673	
25 Carbon disulfide	76	3.341	3.347	-0.006	100	167455	1.00	0.9380	M
26 Methyl acetate	43	3.475	3.469	0.006	96	18977	1.00	0.8563	
29 3-Chloro-1-propene	41	3.488	3.500	-0.012	86	81834	1.00	0.8972	a
* 31 t-Butyl alcohol-d10 (IS)	65	3.658	3.652	0.006	66	173955	50.0	50.0	
30 Methylene Chloride	84	3.652	3.658	-0.006	92	54946	1.00	0.9396	
32 2-Methyl-2-propanol	59	3.762	3.774	-0.012	99	56644	20.0	21.9	M
33 Acrylonitrile	53	3.957	3.957	0.000	97	29349	2.50	2.43	
34 Methyl tert-butyl ether	73	4.006	4.018	-0.012	92	149746	1.00	0.9038	
35 trans-1,2-Dichloroethene	96	4.012	4.018	-0.006	99	55552	1.00	0.9295	
36 Hexane	57	4.408	4.414	-0.006	93	77450	1.00	0.9519	
37 1,1-Dichloroethane	63	4.652	4.658	-0.006	96	101423	1.00	0.9319	
39 Isopropyl ether	45	4.713	4.725	-0.012	93	184345	1.00	0.9160	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.768	4.768	0.000	92	88291	1.00	0.9196	
41 Tert-butyl ethyl ether	59	5.268	5.274	-0.006	98	184283	1.00	0.9301	
42 2-Butanone (MEK)	43	5.475	5.475	0.000	100	152140	10.0	9.63	
43 cis-1,2-Dichloroethene	96	5.512	5.512	0.000	84	62895	1.00	0.9135	
44 2,2-Dichloropropane	77	5.524	5.530	-0.006	70	79756	1.00	0.9333	
45 Propionitrile	54	5.579	5.573	0.006	99	74348	20.0	17.4	
47 Methacrylonitrile	67	5.798	5.798	0.000	91	151963	10.0	9.93	
48 Chlorobromomethane	128	5.841	5.853	-0.012	94	27739	1.00	0.9025	
49 Tetrahydrofuran	71	5.853	5.853	0.000	69	21032	5.00	4.68	
50 Chloroform	83	6.012	6.012	0.000	94	101944	1.00	0.9226	
S 52 1,2-Dichloroethene, Total	100				0			1.84	
$ 54 Dibromofluoromethane (Surr)	113	6.231	6.231	0.000	93	535871	10.0	9.97	
53 1,1,1-Trichloroethane	97	6.225	6.231	-0.006	46	88566	1.00	0.9150	
55 Cyclohexane	56	6.322	6.329	-0.007	91	97296	1.00	0.9457	
56 Carbon tetrachloride	117	6.444	6.444	0.000	98	75195	1.00	0.9119	
57 1,1-Dichloropropene	75	6.450	6.457	-0.007	96	80703	1.00	0.9292	
58 Isobutyl alcohol	41	6.658	6.652	0.006	89	51163	50.0	48.6	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.688	6.694	-0.006	99	110913	10.0	10.0	
60 Benzene	78	6.719	6.725	-0.006	96	234806	1.00	0.9069	
61 1,2-Dichloroethane	62	6.792	6.798	-0.006	98	63946	1.00	0.9030	
64 Tert-amyl methyl ether	73	6.926	6.932	-0.006	98	160349	1.00	0.9050	
* 65 Fluorobenzene (IS)	96	7.139	7.139	0.000	99	2276632	10.0	10.0	
66 n-Heptane	43	7.164	7.164	0.000	91	76961	1.00	0.9601	
67 n-Butanol	56	7.584	7.566	0.018	91	82816	87.5	83.5	
68 Trichloroethene	95	7.633	7.633	0.000	98	62640	1.00	0.9142	
69 Methylcyclohexane	83	7.932	7.938	-0.006	91	104809	1.00	0.9518	
70 1,2-Dichloropropane	63	7.968	7.975	-0.007	96	61002	1.00	0.9206	
71 2-ethoxy-2-methyl butane	87	7.993	8.005	-0.012	93	94682	1.00	0.9122	
74 1,4-Dioxane	88	8.078	8.072	0.006	41	12867	50.0	52.6	M
73 Methyl methacrylate	69	8.084	8.084	0.000	90	28274	1.00	0.8972	
72 Dibromomethane	93	8.078	8.084	-0.006	86	30598	1.00	0.9338	
76 Dichlorobromomethane	83	8.334	8.334	0.000	99	73163	1.00	0.9060	
77 2-Nitropropane	41	8.621	8.621	0.000	98	47040	5.00	4.62	
78 1-Bromo-2-chloroethane	63	8.724	8.731	-0.007	99	62445	1.00	0.9623	
80 cis-1,3-Dichloropropene	75	8.907	8.907	0.000	95	91516	1.00	0.9206	
82 4-Methyl-2-pentanone (MIBK)	43	9.115	9.115	0.000	97	392778	10.0	9.37	
$ 83 Toluene-d8 (Surr)	98	9.243	9.249	-0.006	94	2272533	10.0	10.0	
84 Toluene	92	9.328	9.328	0.000	98	155529	1.00	0.9278	
85 trans-1,3-Dichloropropene	75	9.627	9.627	0.000	96	77269	1.00	0.9113	
86 Ethyl methacrylate	69	9.712	9.706	0.006	88	65660	1.00	0.8938	
87 1,1,2-Trichloroethane	97	9.840	9.846	-0.006	92	45195	1.00	0.9397	
88 Tetrachloroethene	166	9.925	9.925	0.000	98	73096	1.00	0.9394	
89 1,3-Dichloropropane	76	10.017	10.017	0.000	92	76134	1.00	0.9342	
S 107 1,3-Dichloropropene, Total	100				0			1.83	
106 2-Hexanone	43	10.090	10.090	0.000	97	285086	10.0	9.51	
108 Chlorodibromomethane	129	10.242	10.242	0.000	90	52157	1.00	0.8887	
110 Ethylene Dibromide	107	10.352	10.352	0.000	98	42569	1.00	0.9138	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.815	0.000	86	1726233	10.0	10.0	
112 1-Chlorohexane	91	10.834	10.834	0.000	95	86748	1.00	0.9221	
113 Chlorobenzene	112	10.840	10.840	0.000	96	177474	1.00	0.9250	
114 1,1,1,2-Tetrachloroethane	131	10.931	10.931	0.000	95	58098	1.00	0.8897	
115 Ethylbenzene	91	10.937	10.937	0.000	98	304648	1.00	0.9136	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.059	11.059	0.000	97	241061	2.00	1.86	
S 117 Xylenes, Total	106				0			2.77	
118 o-Xylene	106	11.401	11.401	0.000	97	116161	1.00	0.9094	
119 Styrene	104	11.419	11.419	0.000	94	193183	1.00	0.9091	
120 Bromoform	173	11.578	11.578	0.000	96	30743	1.00	0.8995	
121 Isopropylbenzene	105	11.718	11.718	0.000	96	272955	1.00	0.9275	
$ 124 4-Bromofluorobenzene (Surr)	95	11.864	11.864	0.000	91	857005	10.0	10.0	
126 1,1,2,2-Tetrachloroethane	83	11.980	11.980	0.000	71	54271	1.00	0.9146	
125 Bromobenzene	156	11.980	11.980	0.000	90	79024	1.00	0.9478	
127 trans-1,4-Dichloro-2-butene	53	12.004	12.004	0.000	91	121230	10.0	8.53	
128 1,2,3-Trichloropropane	110	12.023	12.023	0.000	81	15198	1.00	0.9343	
129 N-Propylbenzene	91	12.059	12.059	0.000	99	362762	1.00	0.9361	
130 2-Chlorotoluene	126	12.132	12.132	0.000	97	75265	1.00	0.9448	
131 1,3,5-Trimethylbenzene	105	12.199	12.199	0.000	94	260269	1.00	0.9283	
132 4-Chlorotoluene	126	12.230	12.230	0.000	98	77762	1.00	0.9412	
133 tert-Butylbenzene	134	12.449	12.449	0.000	93	60824	1.00	0.9454	
134 Pentachloroethane	167	12.474	12.474	0.000	93	47492	1.00	0.9605	
135 1,2,4-Trimethylbenzene	105	12.492	12.492	0.000	97	263217	1.00	0.9136	
136 sec-Butylbenzene	105	12.614	12.614	0.000	94	335990	1.00	0.9386	
137 1,3-Dichlorobenzene	146	12.711	12.712	-0.001	98	148339	1.00	0.9277	
138 4-Isopropyltoluene	119	12.730	12.730	0.000	97	290194	1.00	0.9277	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.772	-0.006	96	939357	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.791	12.785	0.006	96	155274	1.00	0.9302	
141 1,2,3-Trimethylbenzene	120	12.803	12.803	0.000	98	121701	1.00	0.9348	
142 Benzyl chloride	126	12.876	12.870	0.006	99	18678	1.00	0.8963	
145 p-Diethylbenzene	119	13.010	13.004	0.006	94	175710	1.00	0.9280	
143 n-Butylbenzene	92	13.028	13.029	0.000	98	140086	1.00	0.9290	
144 1,2-Dichlorobenzene	146	13.053	13.053	0.000	99	134689	1.00	0.9232	
148 1,2-Dibromo-3-Chloropropane	155	13.614	13.608	0.006	84	6437	1.00	0.8124	
149 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	98	100020	1.00	0.8923	
150 1,2,4-Trichlorobenzene	180	14.168	14.169	-0.001	95	71154	1.00	0.8402	
151 Hexachlorobutadiene	225	14.254	14.254	0.000	97	44091	1.00	0.9312	
152 Naphthalene	128	14.351	14.345	0.006	97	112656	1.00	0.8140	
153 1,2,3-Trichlorobenzene	180	14.498	14.492	0.006	97	55874	1.00	0.8517	
154 2-Methylnaphthalene	142	15.107	15.101	0.006	92	33766	1.00	0.99	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00168	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00181	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00274	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00114	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 06-Jun-2025 09:18:28 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X14.D

Injection Date: 04-Jun-2025 21:51:30 Instrument ID: 10193 Operator ID: knk41612

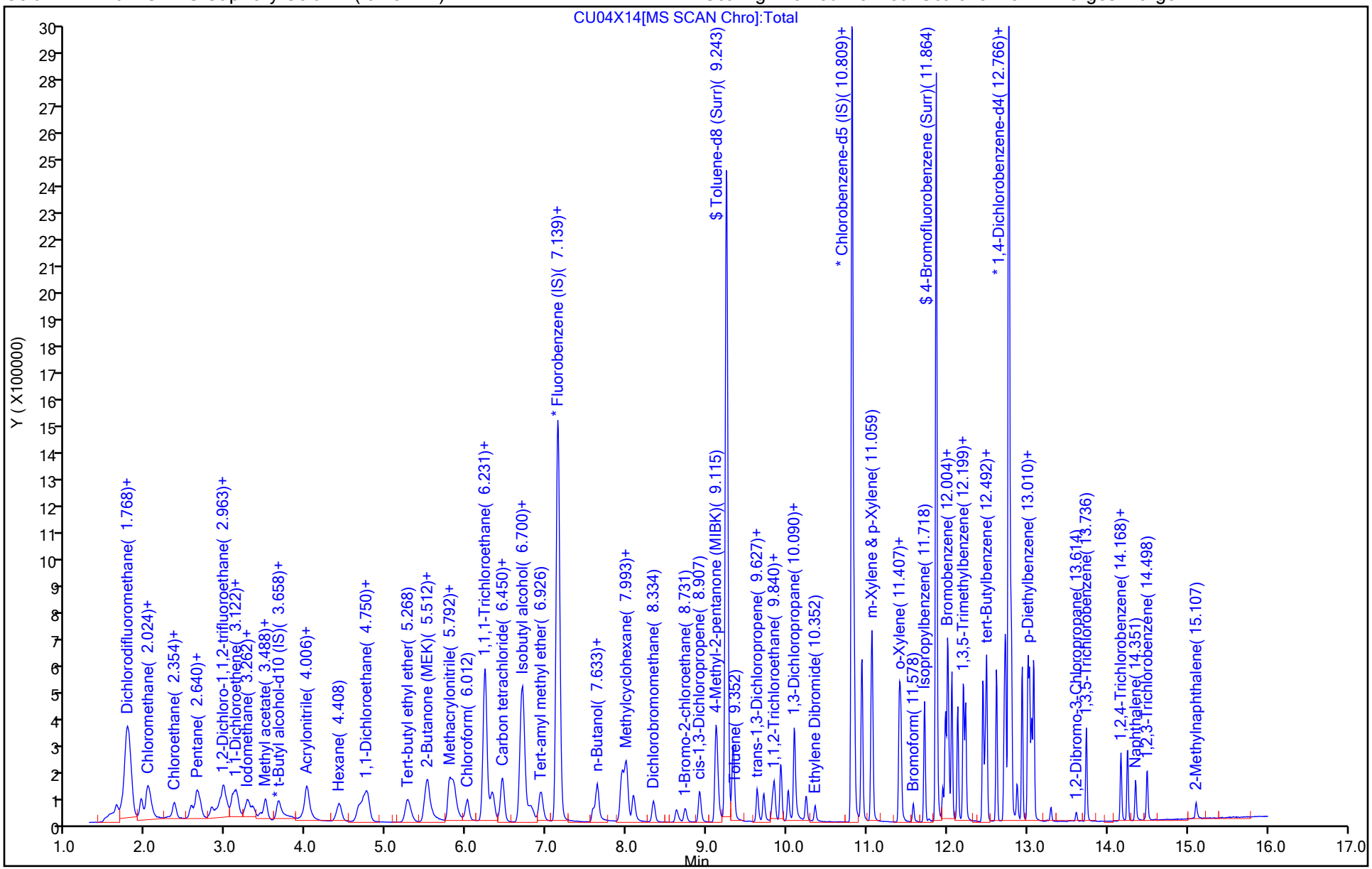
Lims ID: IC std3 1 Worklist Smp#: 15

Client ID:

Purge Vol: 25.000 mL Dil. Factor: 1.0000 ALS Bottle#: 14

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

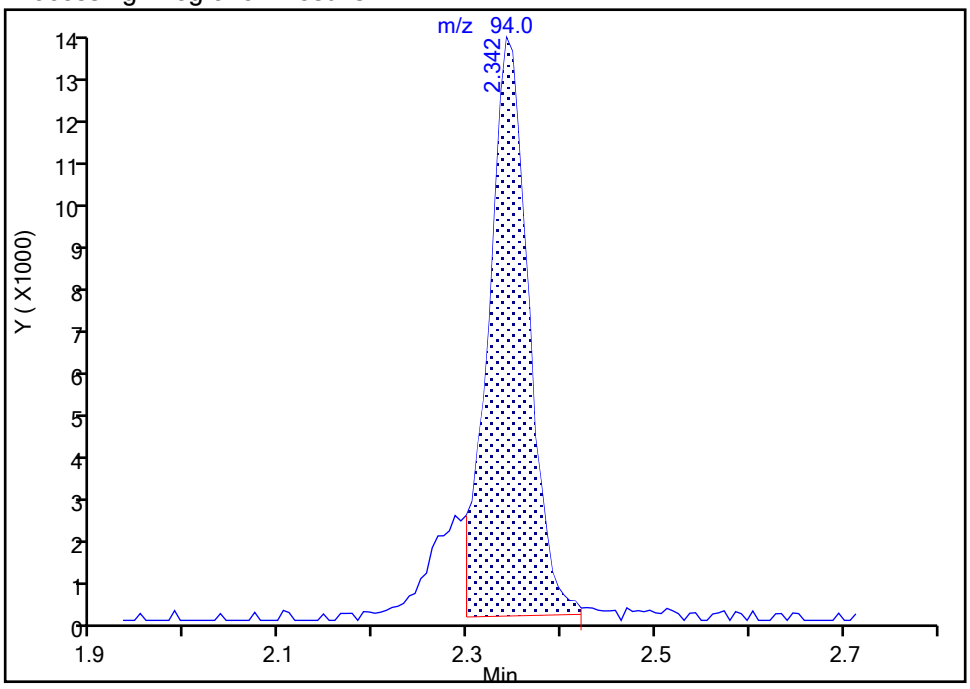
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X14.D				
Injection Date:	04-Jun-2025 21:51:30	Instrument ID:	10193		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

9 Bromomethane, CAS: 74-83-9

Signal: 1

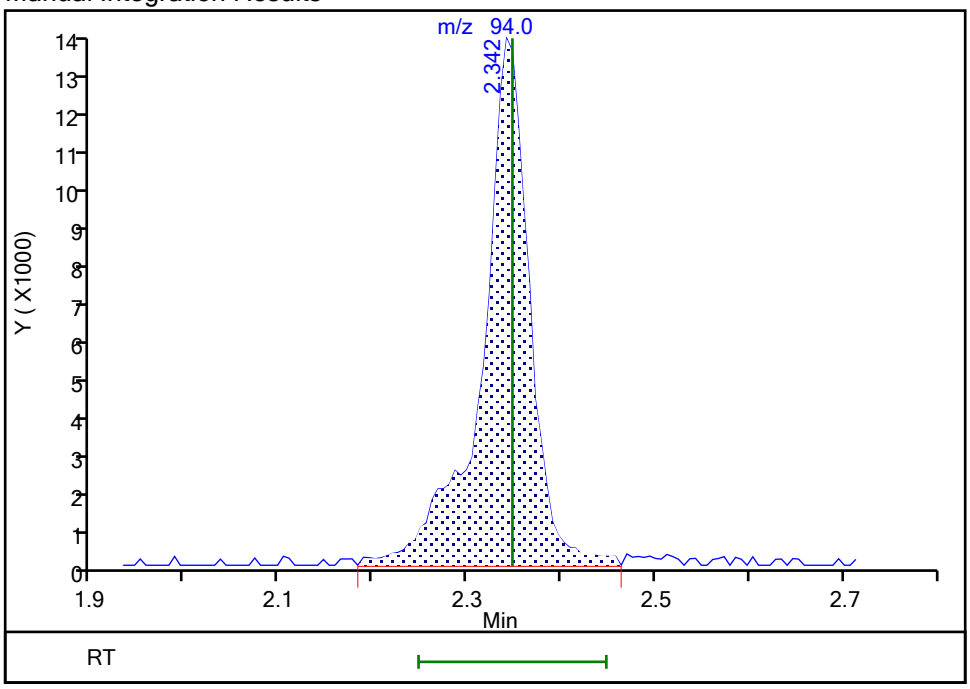
Processing Integration Results

RT: 2.34
Area: 40407
Amount: 0.886964
Amount Units: ug/l



Manual Integration Results

RT: 2.34
Area: 48569
Amount: 0.977855
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:50:55 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

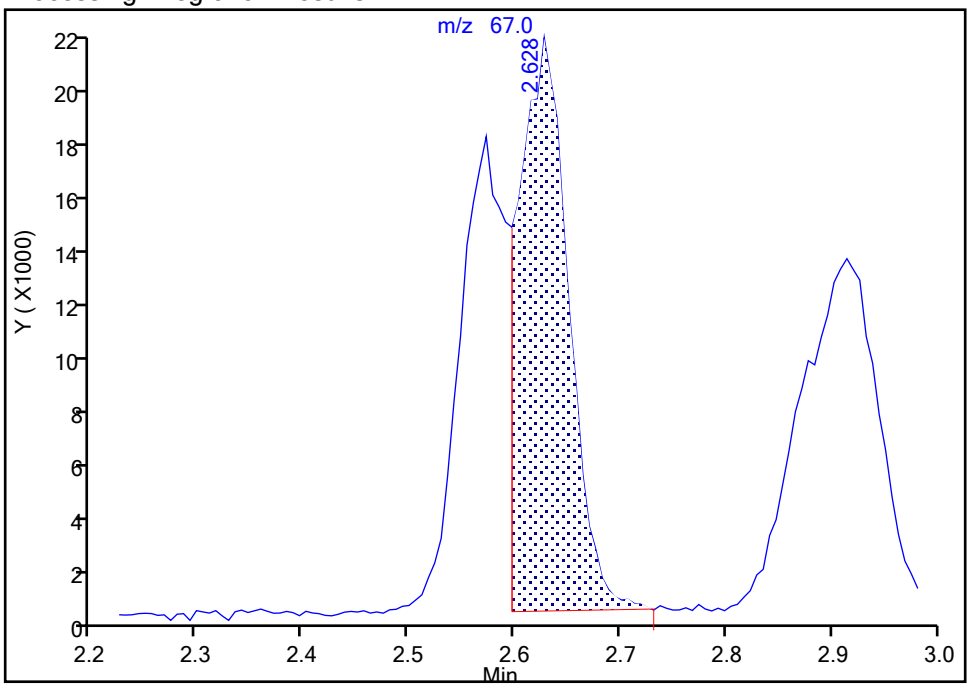
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X14.D				
Injection Date:	04-Jun-2025 21:51:30	Instrument ID:	10193		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

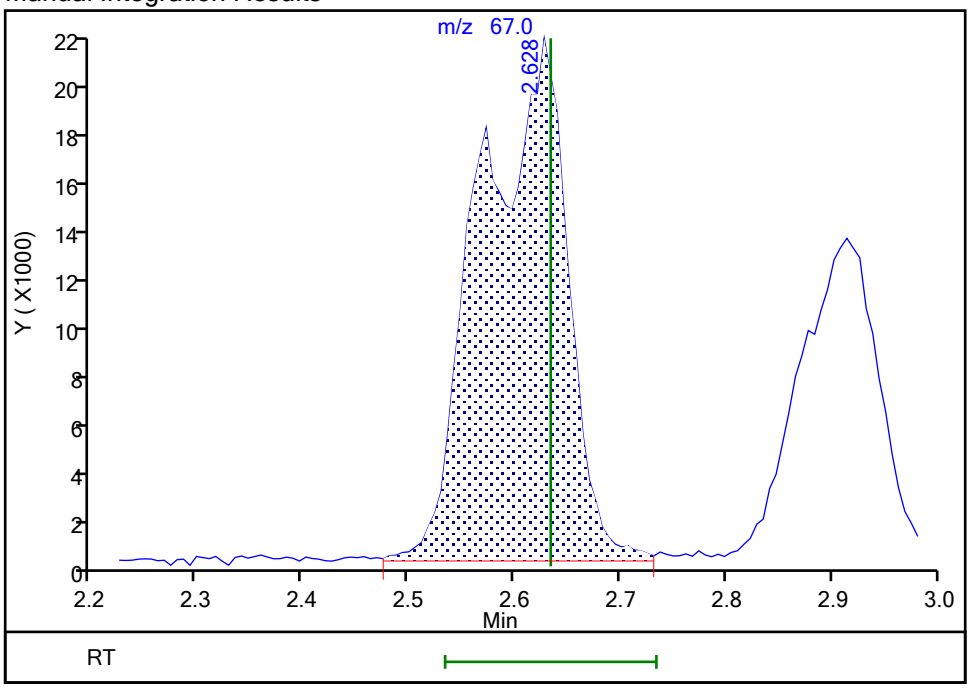
Processing Integration Results

RT: 2.63
Area: 69613
Amount: 0.709147
Amount Units: ug/l



Manual Integration Results

RT: 2.63
Area: 122462
Amount: 0.962952
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:51:07 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

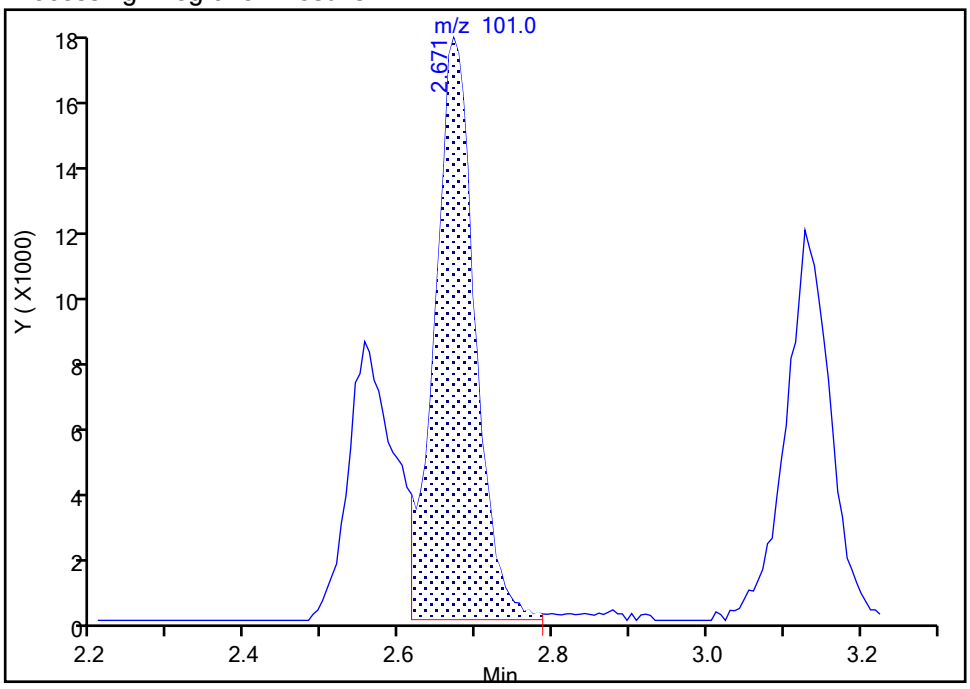
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X14.D				
Injection Date:	04-Jun-2025 21:51:30	Instrument ID:	10193		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

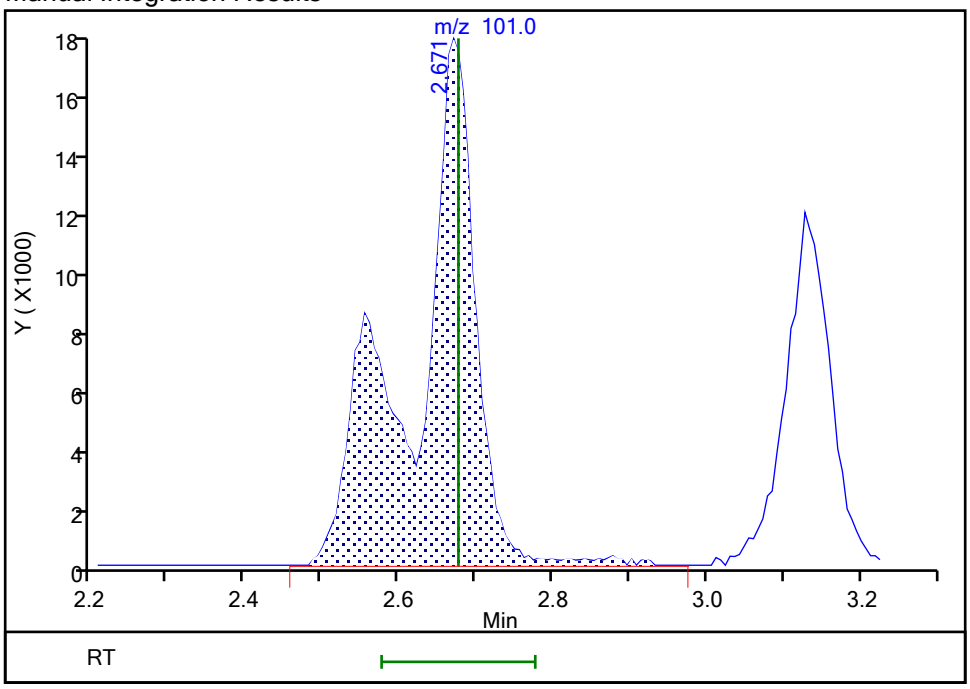
Processing Integration Results

RT: 2.67
Area: 64724
Amount: 0.738492
Amount Units: ug/l



Manual Integration Results

RT: 2.67
Area: 100091
Amount: 1.018438
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:51:14 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

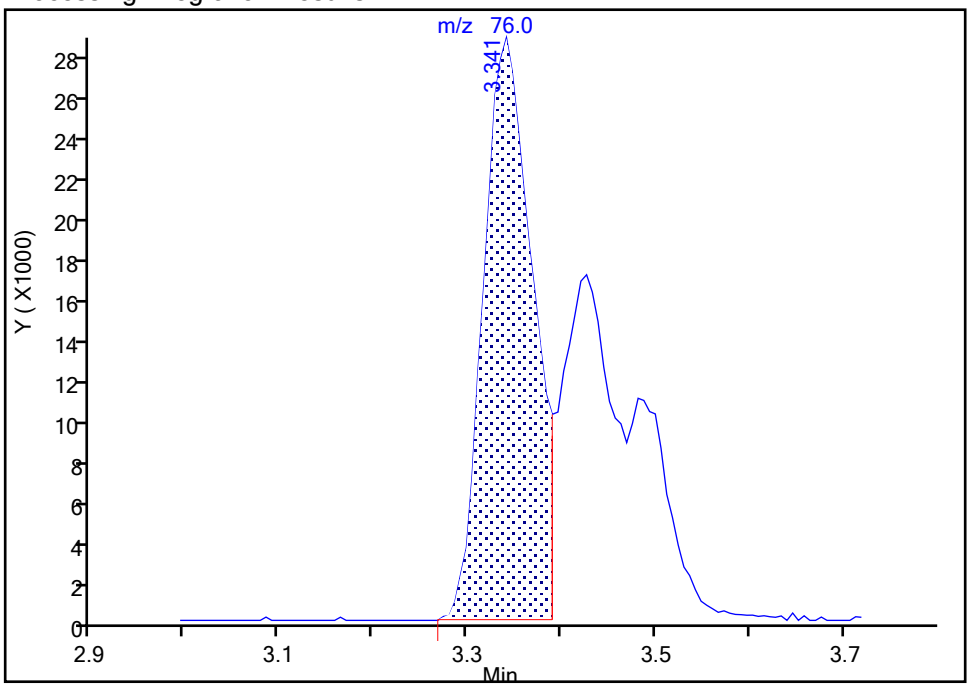
Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X14.D
Injection Date: 04-Jun-2025 21:51:30 Instrument ID: 10193
Lims ID: IC std3 1
Client ID:
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

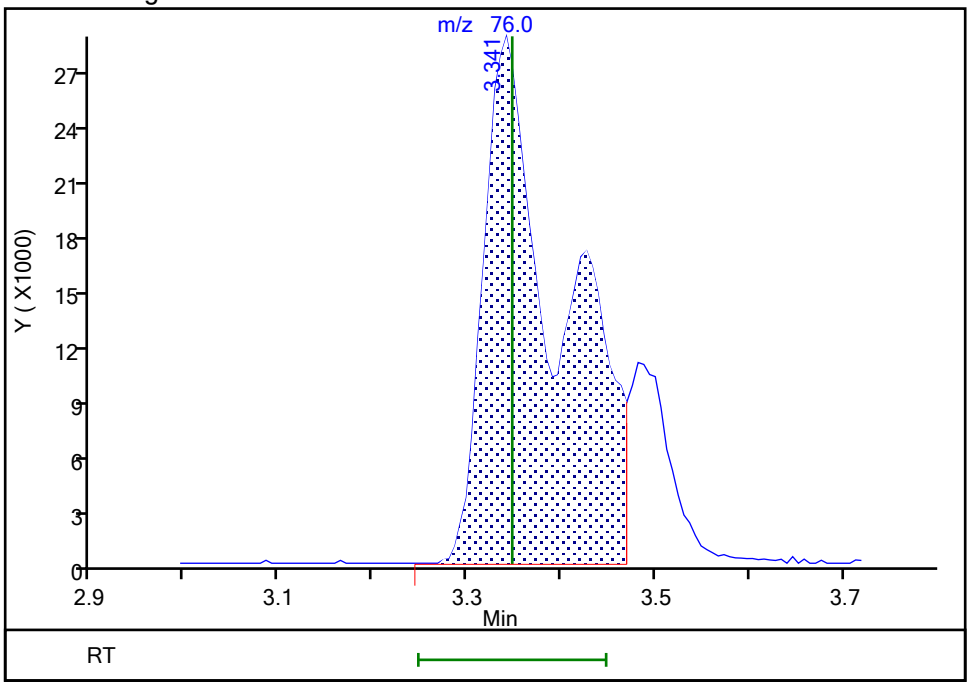
Processing Integration Results

RT: 3.34
Area: 105890
Amount: 0.715254
Amount Units: ug/l



Manual Integration Results

RT: 3.34
Area: 167455
Amount: 0.937971
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:12:31 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

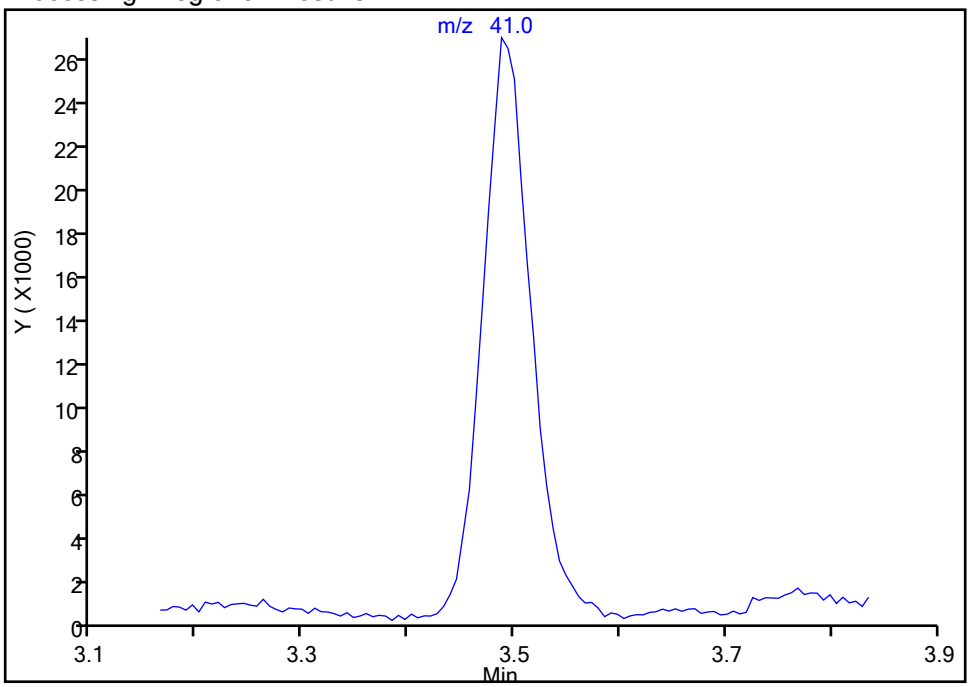
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X14.D				
Injection Date:	04-Jun-2025 21:51:30	Instrument ID:	10193		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

29 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

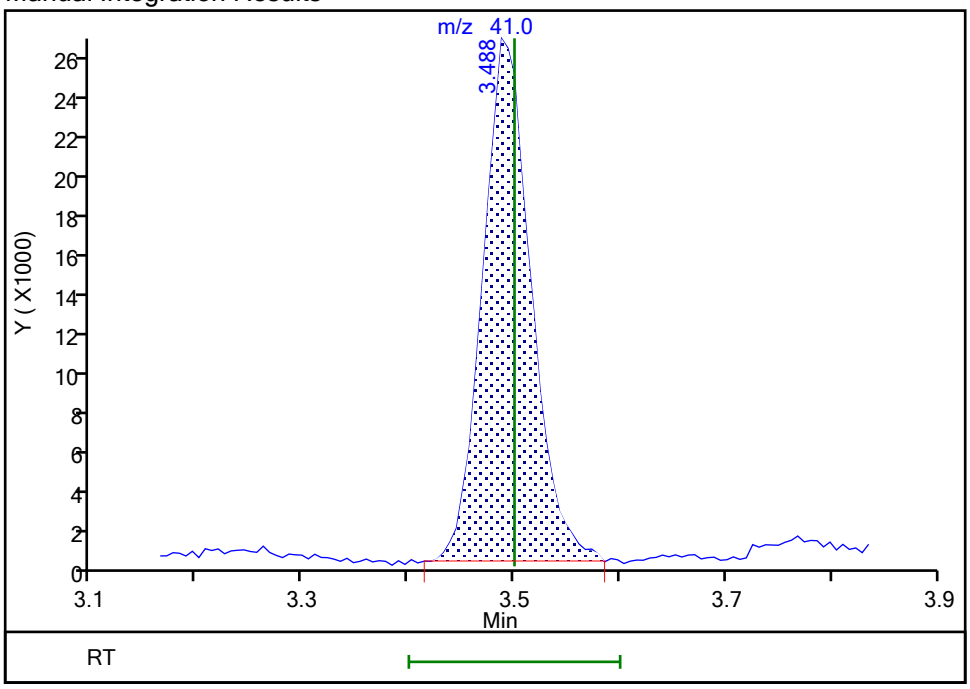
Not Detected
Expected RT: 3.50

Processing Integration Results



RT: 3.49
Area: 81834
Amount: 0.897184
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 05-Jun-2025 10:51:38 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

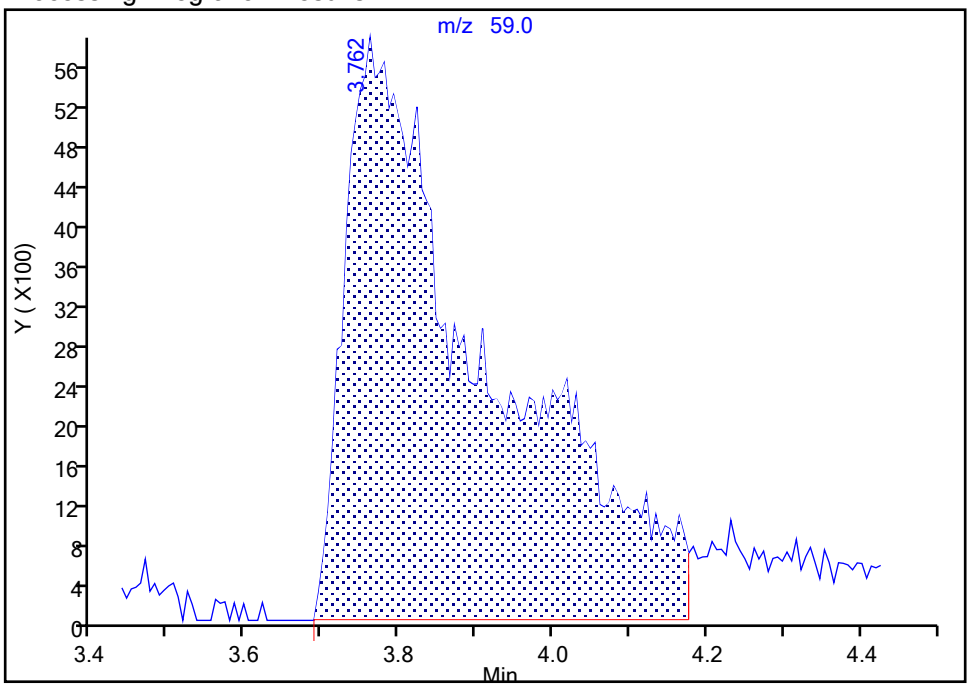
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X14.D				
Injection Date:	04-Jun-2025 21:51:30	Instrument ID:	10193		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

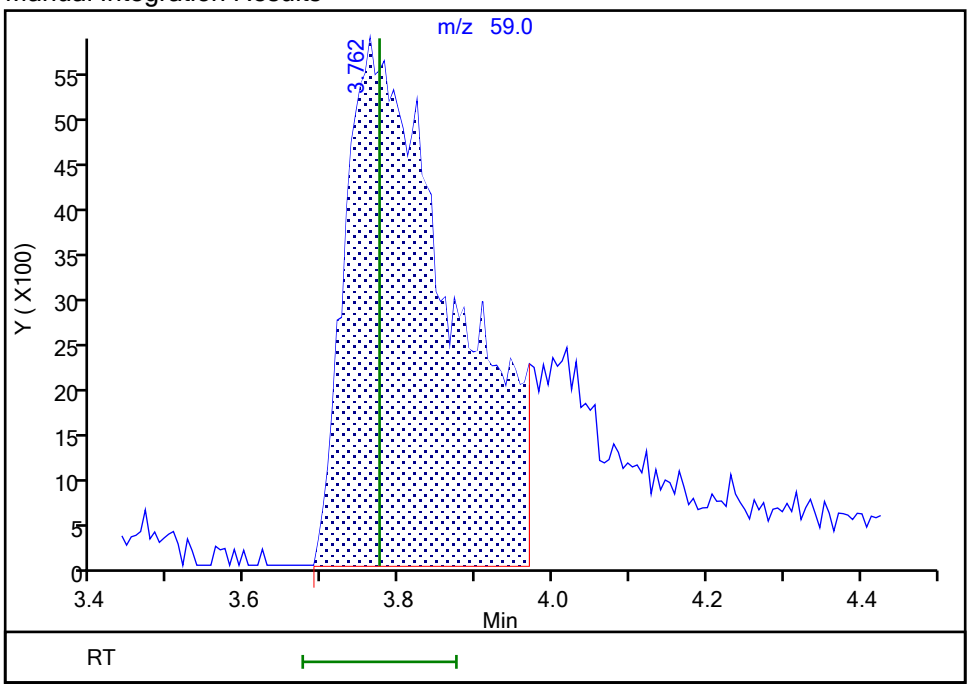
Processing Integration Results

RT: 3.76
Area: 74740
Amount: 25.222331
Amount Units: ug/l



Manual Integration Results

RT: 3.76
Area: 56644
Amount: 21.916930
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:13:27 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

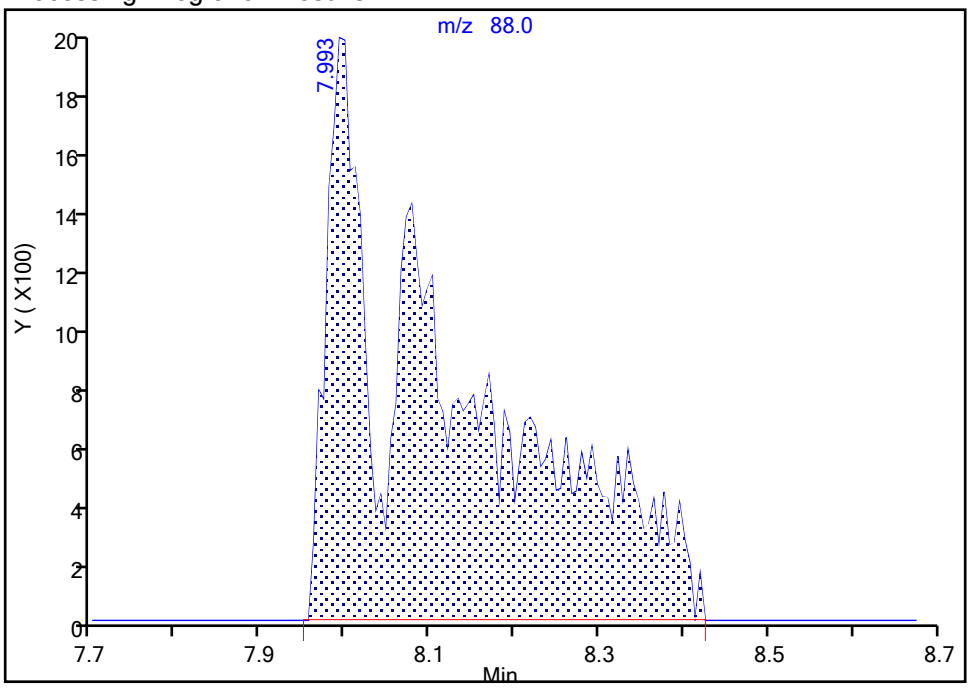
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X14.D				
Injection Date:	04-Jun-2025 21:51:30	Instrument ID:	10193		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

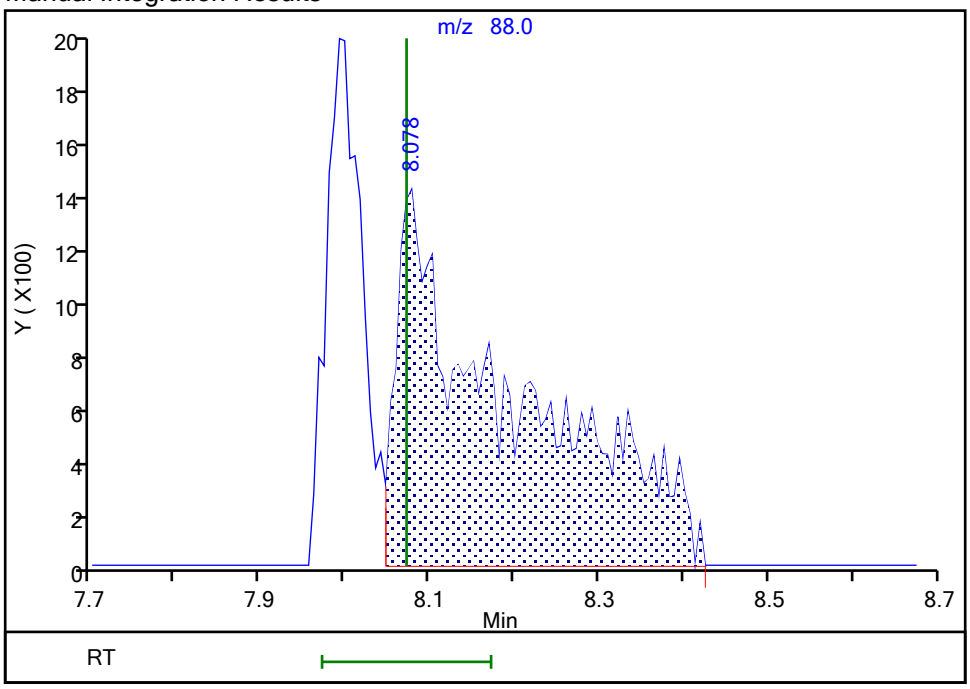
Processing Integration Results

RT: 7.99
Area: 18388
Amount: 75.016163
Amount Units: ug/l



Manual Integration Results

RT: 8.08
Area: 12867
Amount: 52.563231
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:51:53 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X15.D
Lims ID: IC std4 2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 04-Jun-2025 22:13:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-016
Misc. Info.: IC STD2 LG
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:32 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 10:50:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.762	1.762	0.000	99	152735	2.00	2.02	
5 Chloromethane	50	1.945	1.945	0.000	99	176712	2.00	1.97	
7 Butadiene	39	2.024	2.025	-0.001	91	194574	2.00	1.89	M
6 Vinyl chloride	62	2.049	2.043	0.006	98	155580	2.00	1.96	
9 Bromomethane	94	2.354	2.348	0.006	91	104025	2.00	2.05	M
10 Chloroethane	64	2.378	2.372	0.006	100	89652	2.00	2.00	
11 Dichlorofluoromethane	67	2.634	2.634	0.000	97	258590	2.00	1.99	M
13 Pentane	43	2.646	2.646	0.000	97	163171	2.00	1.87	
12 Trichlorofluoromethane	101	2.677	2.677	0.000	99	199007	2.00	1.99	
14 Ethyl ether	59	2.829	2.823	0.006	93	94728	2.00	1.98	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.927	2.927	0.000	93	139024	2.00	1.99	
17 Acrolein	56	2.975	2.970	0.005	99	688718	97.6	94.0	M
18 1,1-Dichloroethene	96	3.097	3.098	-0.001	99	86979	2.00	1.76	
20 Acetone	43	3.116	3.116	0.000	76	170436	20.0	17.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.140	3.140	0.000	94	97879	2.00	1.91	
24 Isopropyl alcohol	45	3.256	3.250	0.006	34	63247	40.0	34.8	M
22 Iodomethane	142	3.262	3.262	0.000	99	186388	2.00	1.85	
23 Ethyl bromide	108	3.286	3.280	0.006	97	91693	2.00	1.94	
25 Carbon disulfide	76	3.353	3.347	0.006	99	331656	2.00	1.82	M
26 Methyl acetate	43	3.475	3.469	0.006	53	53691	2.00	2.08	
29 3-Chloro-1-propene	41	3.506	3.500	0.006	89	171803	2.00	1.85	
* 31 t-Butyl alcohol-d10 (IS)	65	3.695	3.652	0.043	94	202164	50.0	50.0	
30 Methylene Chloride	84	3.664	3.658	0.006	92	110553	2.00	1.85	
32 2-Methyl-2-propanol	59	3.774	3.774	0.000	99	102513	40.0	34.1	M
33 Acrylonitrile	53	3.969	3.957	0.012	97	61778	5.00	4.40	M
34 Methyl tert-butyl ether	73	4.024	4.018	0.006	93	310841	2.00	1.84	
35 trans-1,2-Dichloroethene	96	4.018	4.018	0.000	99	113688	2.00	1.87	
36 Hexane	57	4.420	4.414	0.006	94	153463	2.00	1.85	
37 1,1-Dichloroethane	63	4.658	4.658	0.000	96	205117	2.00	1.85	
39 Isopropyl ether	45	4.731	4.725	0.006	94	378204	2.00	1.84	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.774	4.768	0.006	92	178208	2.00	1.82	
41 Tert-butyl ethyl ether	59	5.280	5.274	0.006	98	374966	2.00	1.86	
42 2-Butanone (MEK)	43	5.481	5.475	0.006	100	323305	20.0	17.6	
43 cis-1,2-Dichloroethene	96	5.518	5.512	0.006	84	131624	2.00	1.88	
44 2,2-Dichloropropane	77	5.524	5.530	-0.006	68	158689	2.00	1.82	
45 Propionitrile	54	5.579	5.573	0.006	98	180401	40.0	36.4	
47 Methacrylonitrile	67	5.798	5.798	0.000	91	324042	20.0	18.2	
48 Chlorobromomethane	128	5.853	5.853	0.000	92	58456	2.00	1.87	
49 Tetrahydrofuran	71	5.859	5.853	0.006	70	44058	10.0	8.44	
50 Chloroform	83	6.018	6.012	0.006	95	208918	2.00	1.85	
S 52 1,2-Dichloroethene, Total	100				0			3.74	
$ 54 Dibromofluoromethane (Surr)	113	6.237	6.231	0.006	93	555310	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.237	6.231	0.006	52	182214	2.00	1.85	
55 Cyclohexane	56	6.328	6.329	-0.001	91	195263	2.00	1.86	
56 Carbon tetrachloride	117	6.444	6.444	0.000	98	155309	2.00	1.85	
57 1,1-Dichloropropene	75	6.463	6.457	0.006	96	161099	2.00	1.82	
58 Isobutyl alcohol	41	6.658	6.652	0.006	91	109792	100.0	89.7	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.694	6.694	0.000	99	115978	10.0	10.3	
60 Benzene	78	6.725	6.725	0.000	96	481493	2.00	1.82	
61 1,2-Dichloroethane	62	6.798	6.798	0.000	97	133938	2.00	1.86	M
64 Tert-amyl methyl ether	73	6.932	6.932	0.000	98	332620	2.00	1.84	
* 65 Fluorobenzene (IS)	96	7.145	7.139	0.006	99	2320746	10.0	10.0	
66 n-Heptane	43	7.164	7.164	0.000	90	149894	2.00	1.83	
67 n-Butanol	56	7.578	7.566	0.012	89	182657	175.0	158.5	M
68 Trichloroethene	95	7.633	7.633	0.000	99	127863	2.00	1.83	
69 Methylcyclohexane	83	7.938	7.938	0.000	92	207437	2.00	1.85	
70 1,2-Dichloropropane	63	7.974	7.975	-0.001	95	123644	2.00	1.83	
71 2-ethoxy-2-methyl butane	87	8.005	8.005	0.000	93	196603	2.00	1.86	
74 1,4-Dioxane	88	8.078	8.072	0.006	37	26267	100.0	92.3	M
73 Methyl methacrylate	69	8.084	8.084	0.000	90	64576	2.00	1.76	
72 Dibromomethane	93	8.084	8.084	0.000	86	61876	2.00	1.85	
76 Dichlorobromomethane	83	8.334	8.334	0.000	99	151966	2.00	1.85	
77 2-Nitropropane	41	8.621	8.621	0.000	98	101963	10.0	8.62	
78 1-Bromo-2-chloroethane	63	8.730	8.731	-0.001	99	127120	2.00	1.92	
80 cis-1,3-Dichloropropene	75	8.907	8.907	0.000	95	186102	2.00	1.84	
82 4-Methyl-2-pentanone (MIBK)	43	9.121	9.115	0.006	97	850809	20.0	17.5	
$ 83 Toluene-d8 (Surr)	98	9.249	9.249	0.000	94	2332401	10.0	9.96	
84 Toluene	92	9.334	9.328	0.006	98	315864	2.00	1.82	
85 trans-1,3-Dichloropropene	75	9.627	9.627	0.000	95	158386	2.00	1.81	
86 Ethyl methacrylate	69	9.712	9.706	0.006	89	137362	2.00	1.81	
87 1,1,2-Trichloroethane	97	9.846	9.846	0.000	91	91203	2.00	1.84	
88 Tetrachloroethene	166	9.925	9.925	0.000	98	145331	2.00	1.81	
89 1,3-Dichloropropane	76	10.017	10.017	0.000	92	155518	2.00	1.85	
S 107 1,3-Dichloropropene, Total	100				0			3.65	
106 2-Hexanone	43	10.090	10.090	0.000	97	618240	20.0	17.7	
108 Chlorodibromomethane	129	10.242	10.242	0.000	90	110483	2.00	1.82	
110 Ethylene Dibromide	107	10.352	10.352	0.000	99	88880	2.00	1.85	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.815	0.000	86	1782828	10.0	10.0	
112 1-Chlorohexane	91	10.834	10.834	0.000	97	171417	2.00	1.76	
113 Chlorobenzene	112	10.840	10.840	0.000	96	363956	2.00	1.84	
114 1,1,1,2-Tetrachloroethane	131	10.931	10.931	0.000	95	122089	2.00	1.81	
115 Ethylbenzene	91	10.937	10.937	0.000	98	620788	2.00	1.80	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.059	11.059	0.000	97	486454	4.00	3.64	
S 117 Xylenes, Total	106				0			5.45	
118 o-Xylene	106	11.401	11.401	0.000	97	239367	2.00	1.81	
119 Styrene	104	11.419	11.419	0.000	95	399285	2.00	1.82	
120 Bromoform	173	11.577	11.578	-0.001	97	63801	2.00	1.81	
121 Isopropylbenzene	105	11.718	11.718	0.000	96	556019	2.00	1.83	
$ 124 4-Bromofluorobenzene (Surr)	95	11.864	11.864	0.000	91	882041	10.0	9.98	
126 1,1,2,2-Tetrachloroethane	83	11.980	11.980	0.000	77	115023	2.00	1.88	
125 Bromobenzene	156	11.980	11.980	0.000	93	158356	2.00	1.84	
127 trans-1,4-Dichloro-2-butene	53	12.004	12.004	0.000	94	273068	20.0	18.6	
128 1,2,3-Trichloropropane	110	12.022	12.023	-0.001	82	31967	2.00	1.91	
129 N-Propylbenzene	91	12.059	12.059	0.000	99	736830	2.00	1.84	
130 2-Chlorotoluene	126	12.132	12.132	0.000	97	150474	2.00	1.83	
131 1,3,5-Trimethylbenzene	105	12.199	12.199	0.000	94	526671	2.00	1.82	
132 4-Chlorotoluene	126	12.230	12.230	0.000	98	155124	2.00	1.82	
133 tert-Butylbenzene	134	12.449	12.449	0.000	93	121542	2.00	1.83	
134 Pentachloroethane	167	12.474	12.474	0.000	92	97302	2.00	1.91	
135 1,2,4-Trimethylbenzene	105	12.492	12.492	0.000	97	549085	2.00	1.85	
136 sec-Butylbenzene	105	12.614	12.614	0.000	94	676177	2.00	1.83	
137 1,3-Dichlorobenzene	146	12.711	12.712	-0.001	98	304052	2.00	1.84	
138 4-Isopropyltoluene	119	12.730	12.730	0.000	97	586132	2.00	1.82	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.772	-0.006	96	968209	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.791	12.785	0.006	97	318860	2.00	1.85	
141 1,2,3-Trimethylbenzene	120	12.803	12.803	0.000	98	245691	2.00	1.83	
142 Benzyl chloride	126	12.870	12.870	0.000	99	39473	2.00	1.84	
145 p-Diethylbenzene	119	13.004	13.004	0.000	95	358587	2.00	1.84	
143 n-Butylbenzene	92	13.028	13.029	0.000	97	281274	2.00	1.81	
144 1,2-Dichlorobenzene	146	13.053	13.053	0.000	99	279256	2.00	1.86	
148 1,2-Dibromo-3-Chloropropane	155	13.607	13.608	-0.001	86	15636	2.00	1.91	
149 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	98	207850	2.00	1.80	
150 1,2,4-Trichlorobenzene	180	14.168	14.169	-0.001	95	157064	2.00	1.80	
151 Hexachlorobutadiene	225	14.254	14.254	0.000	97	87493	2.00	1.79	
152 Naphthalene	128	14.351	14.345	0.006	96	263482	2.00	1.85	
153 1,2,3-Trichlorobenzene	180	14.498	14.492	0.006	96	121255	2.00	1.79	
154 2-Methylnaphthalene	142	15.101	15.101	0.000	92	82503	2.00	1.76	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00168	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00181	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00274	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00114	Amount Added:	1.00	Units: uL	Run Reagent

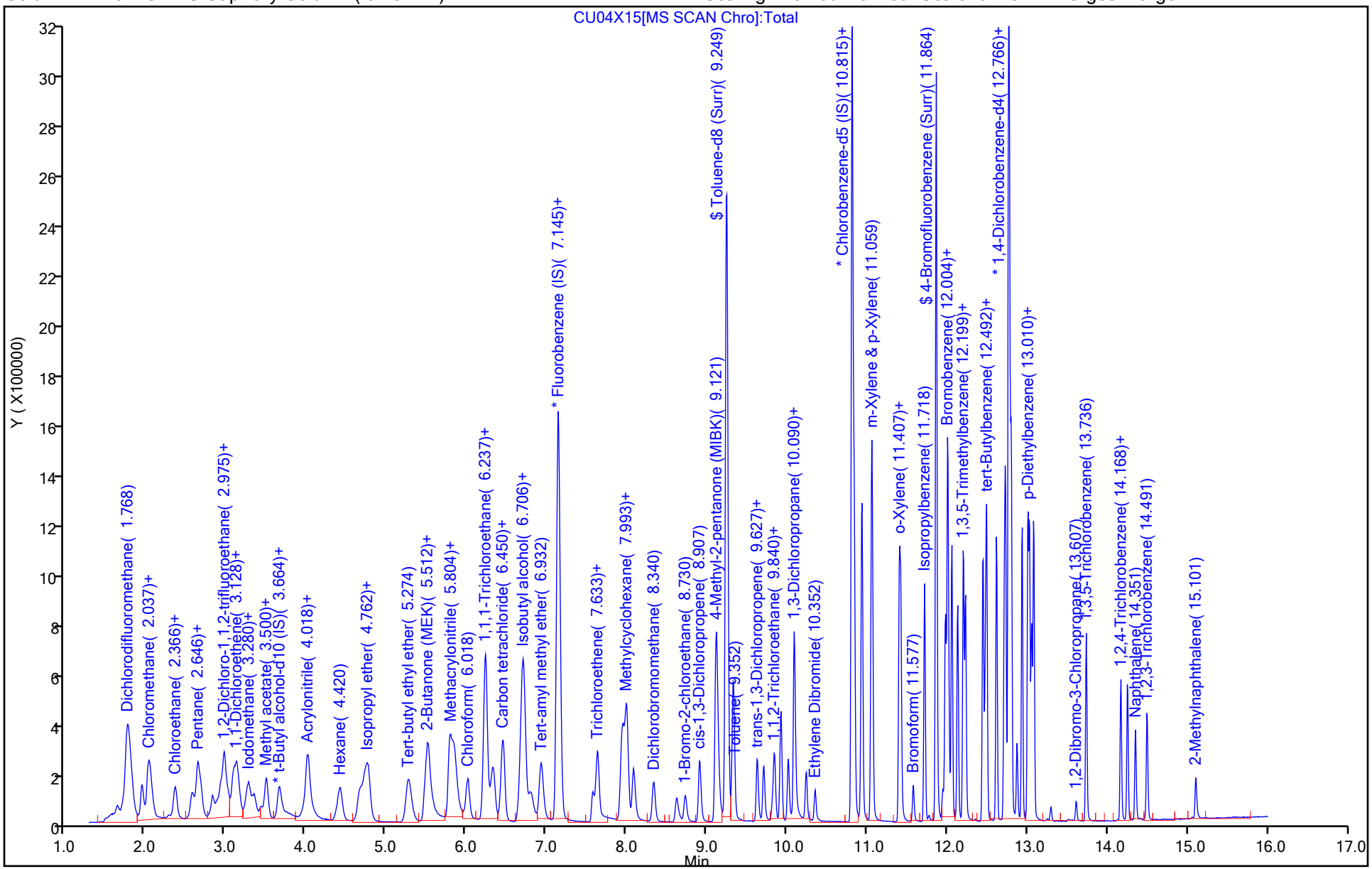
Report Date: 06-Jun-2025 09:18:33 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X15.D

Injection Date:	04-Jun-2025 22:13:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC std4 2			Worklist Smp#:	16
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

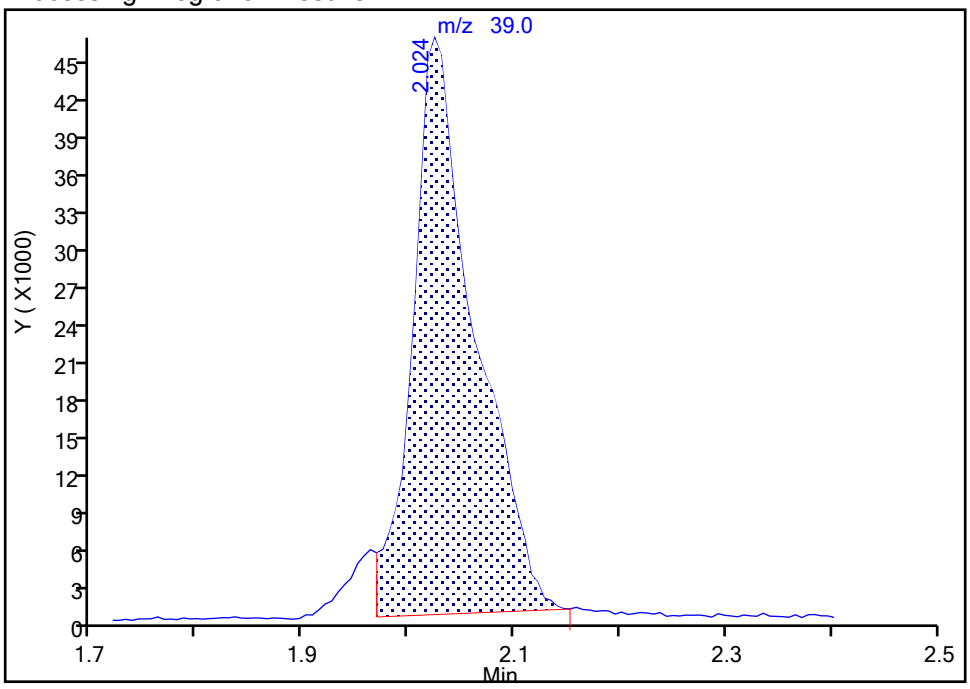
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X15.D				
Injection Date:	04-Jun-2025 22:13:30	Instrument ID:	10193		
Lims ID:	IC std4 2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

7 Butadiene, CAS: 106-99-0

Signal: 1

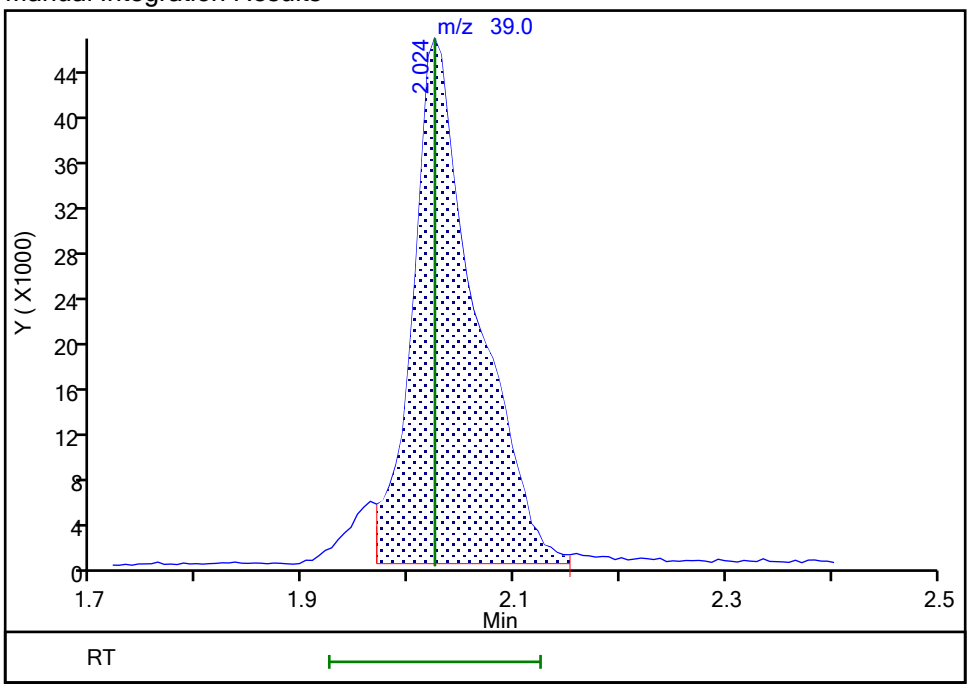
Processing Integration Results

RT: 2.02
Area: 188428
Amount: 2.144098
Amount Units: ug/l



Manual Integration Results

RT: 2.02
Area: 194574
Amount: 1.885932
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:48:37 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

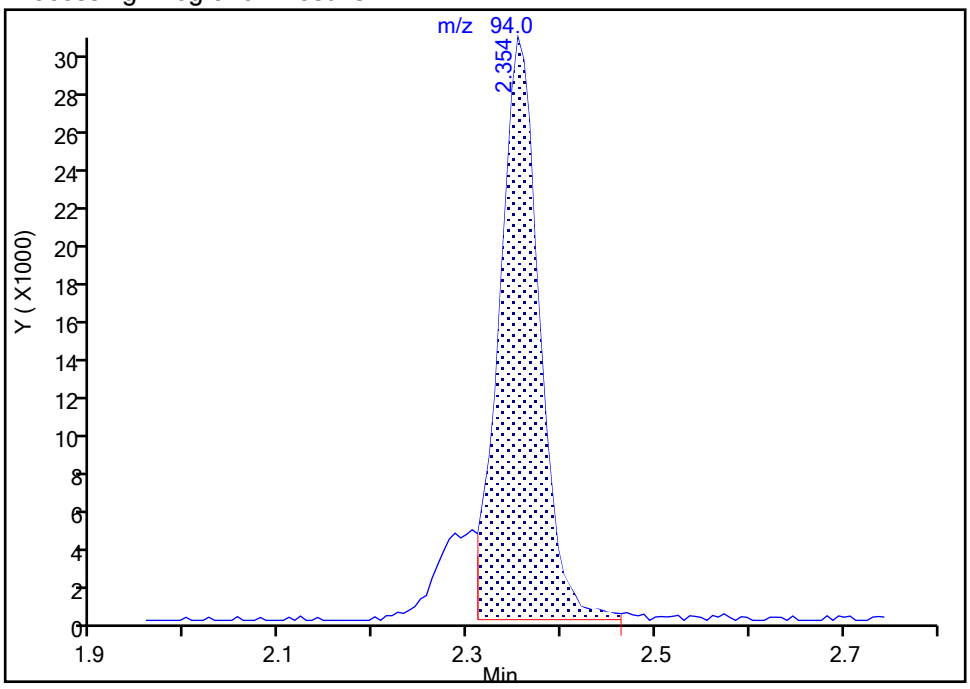
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X15.D				
Injection Date:	04-Jun-2025 22:13:30	Instrument ID:	10193		
Lims ID:	IC std4 2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

9 Bromomethane, CAS: 74-83-9

Signal: 1

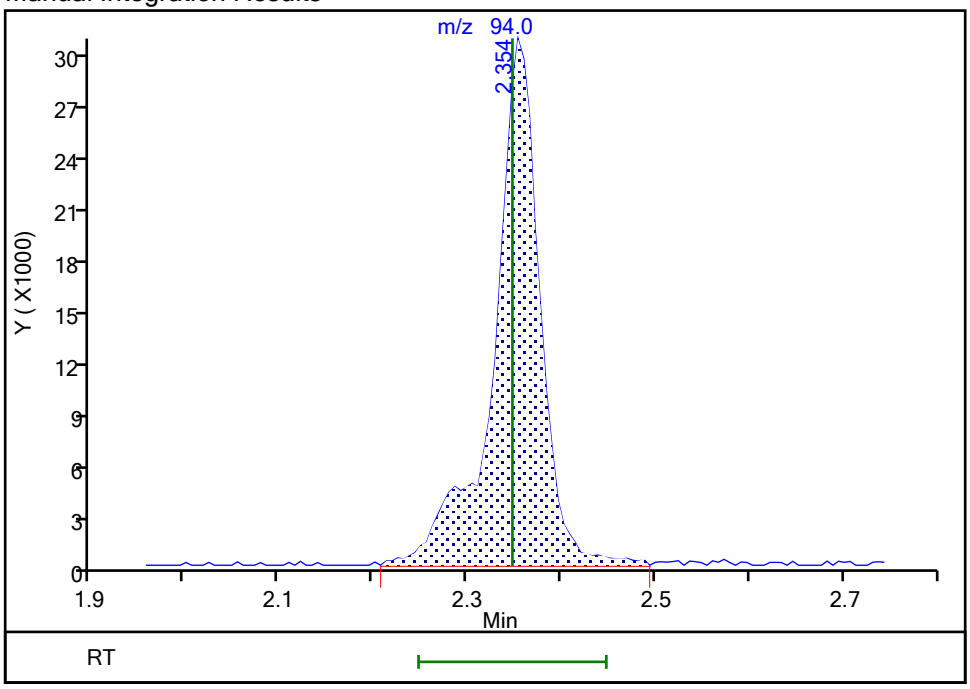
Processing Integration Results

RT: 2.35
Area: 90478
Amount: 1.989769
Amount Units: ug/l



Manual Integration Results

RT: 2.35
Area: 104025
Amount: 2.054557
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:48:43 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

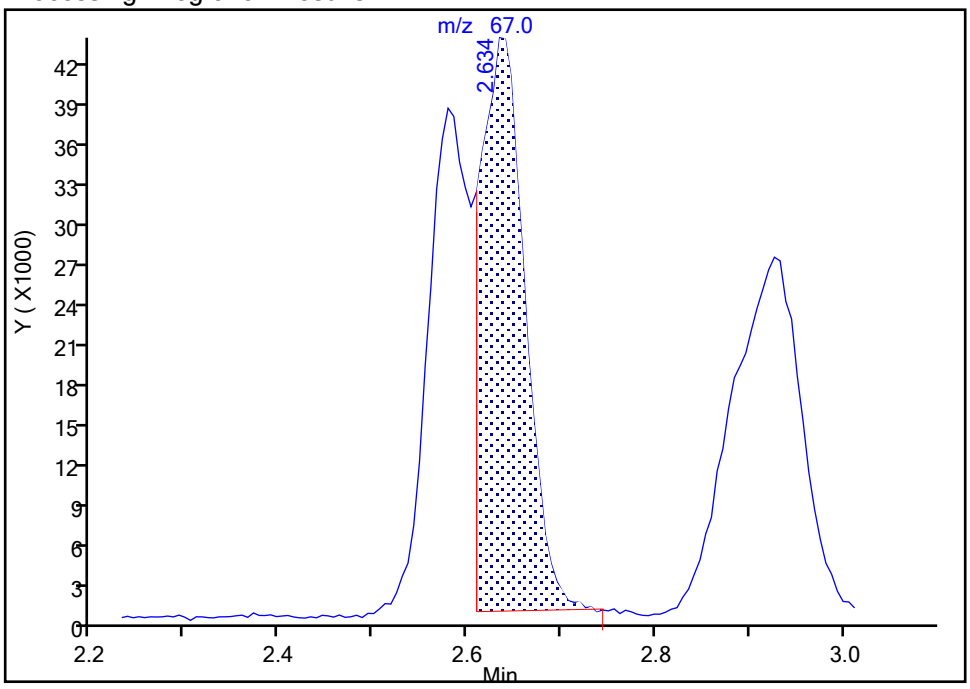
Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X15.D
Injection Date: 04-Jun-2025 22:13:30 Instrument ID: 10193
Lims ID: IC std4 2
Client ID:
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

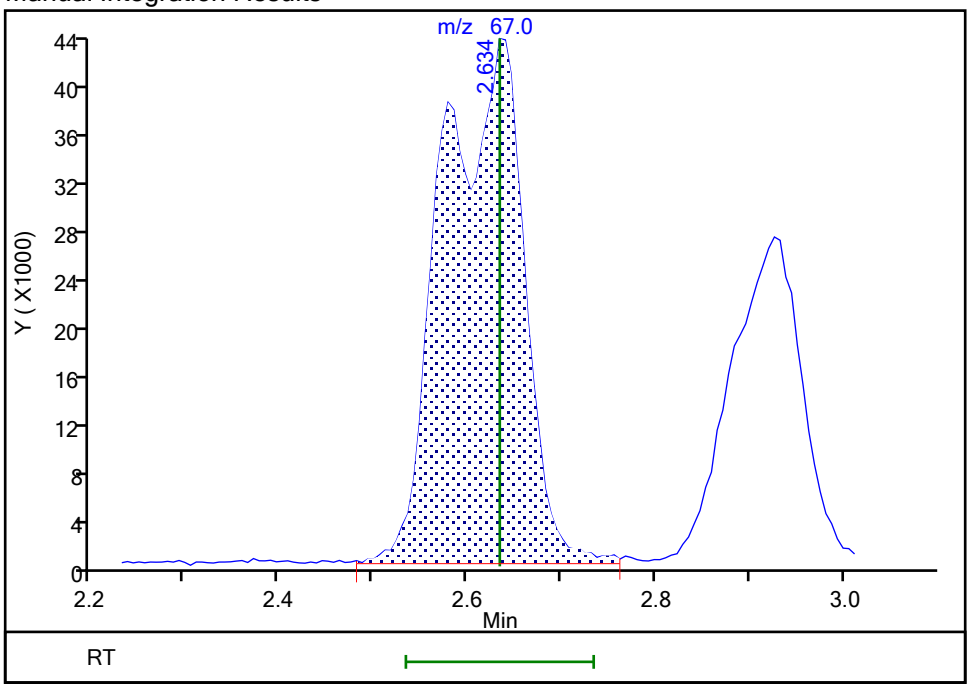
Processing Integration Results

RT: 2.63
Area: 139512
Amount: 1.428002
Amount Units: ug/l



Manual Integration Results

RT: 2.63
Area: 258590
Amount: 1.994712
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:48:58 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

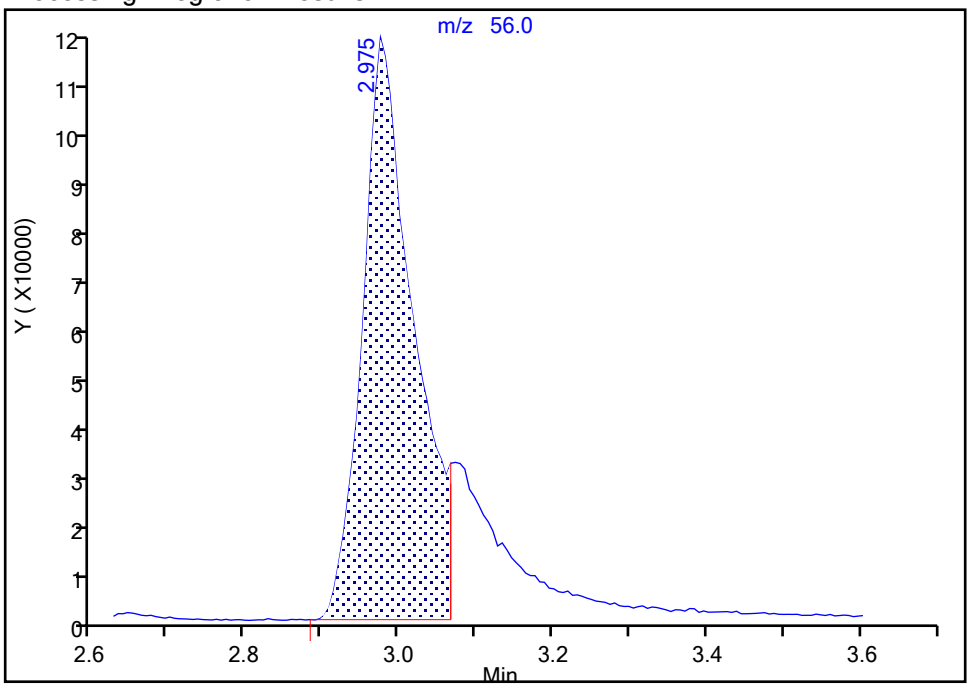
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X15.D				
Injection Date:	04-Jun-2025 22:13:30	Instrument ID:	10193		
Lims ID:	IC std4 2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

17 Acrolein, CAS: 107-02-8

Signal: 1

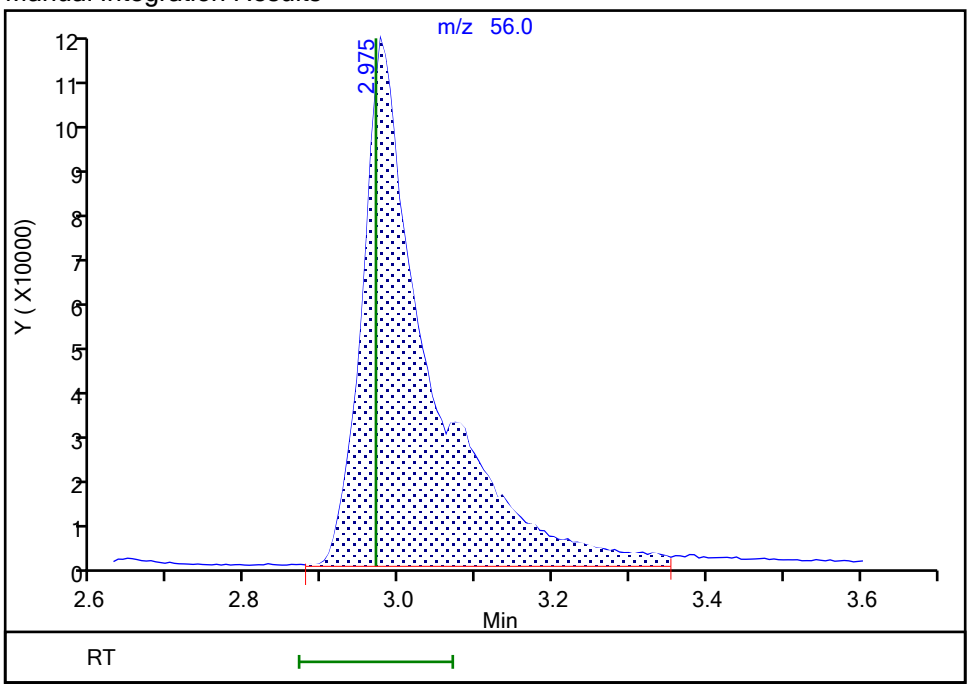
Processing Integration Results

RT: 2.98
Area: 527020
Amount: 74.327757
Amount Units: ug/l



Manual Integration Results

RT: 2.98
Area: 688718
Amount: 93.994583
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:49:16 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

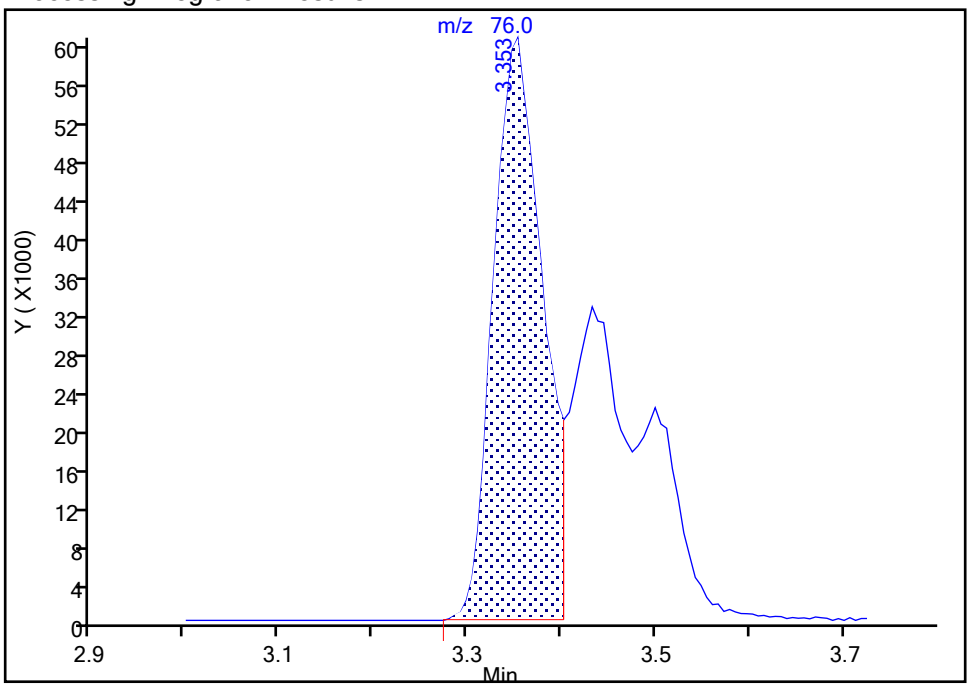
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X15.D				
Injection Date:	04-Jun-2025 22:13:30	Instrument ID:	10193		
Lims ID:	IC std4 2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

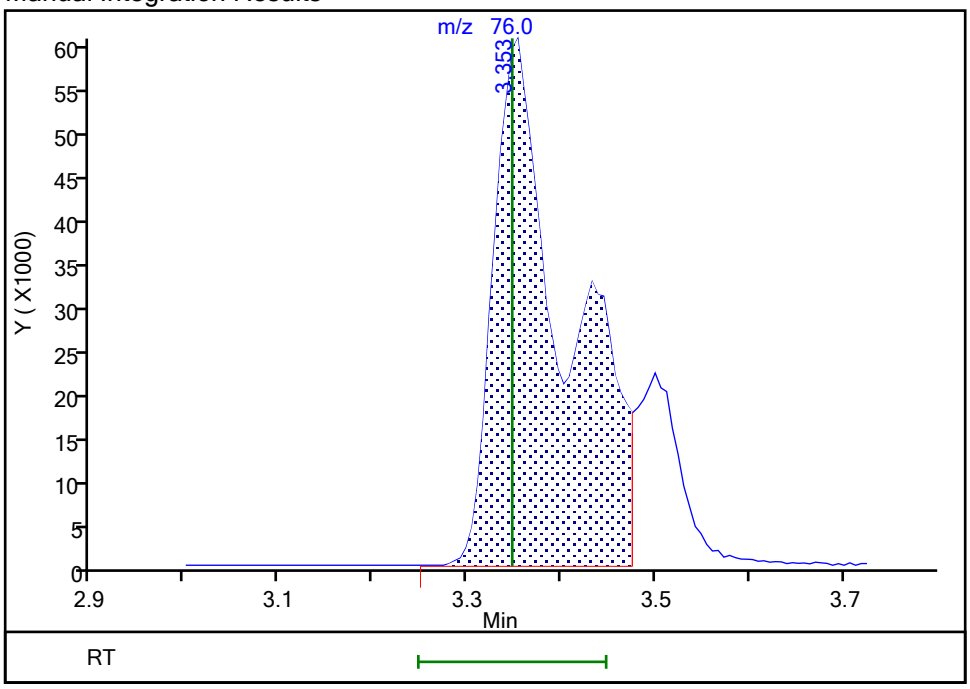
Processing Integration Results

RT: 3.35
Area: 221430
Amount: 1.510184
Amount Units: ug/l



Manual Integration Results

RT: 3.35
Area: 331656
Amount: 1.822402
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:10:56 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

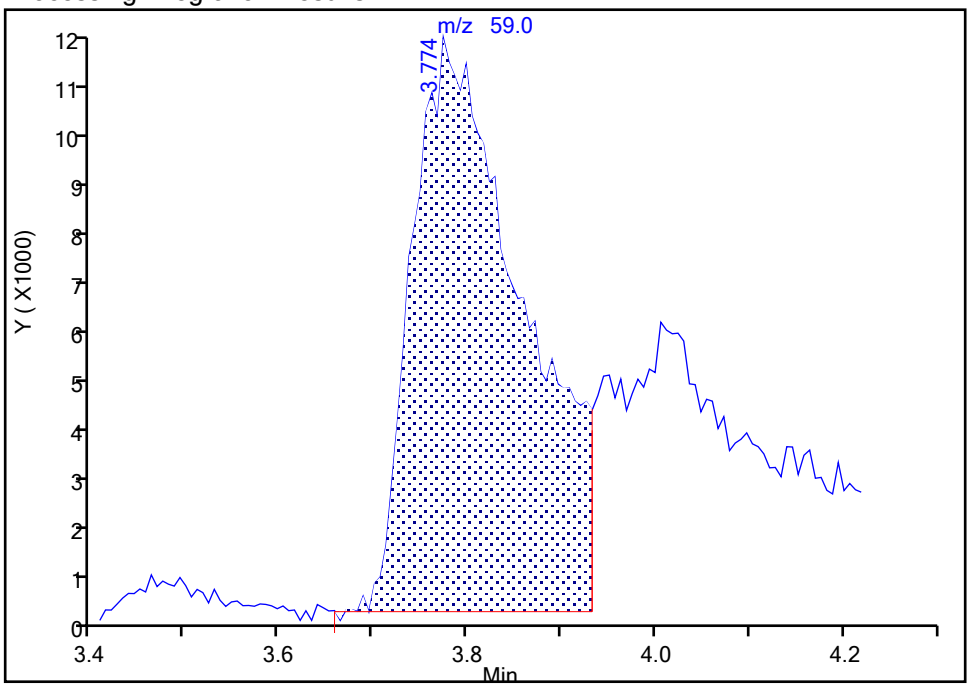
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X15.D				
Injection Date:	04-Jun-2025 22:13:30	Instrument ID:	10193		
Lims ID:	IC std4 2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

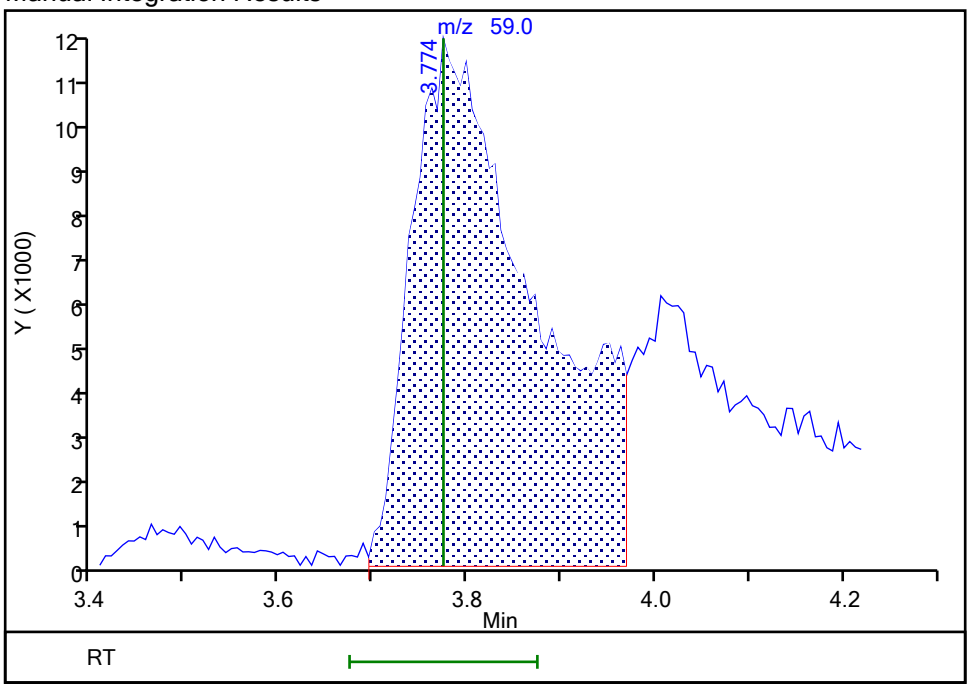
Processing Integration Results

RT: 3.77
Area: 90050
Amount: 26.491944
Amount Units: ug/l



Manual Integration Results

RT: 3.77
Area: 102513
Amount: 34.130122
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:11:38 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

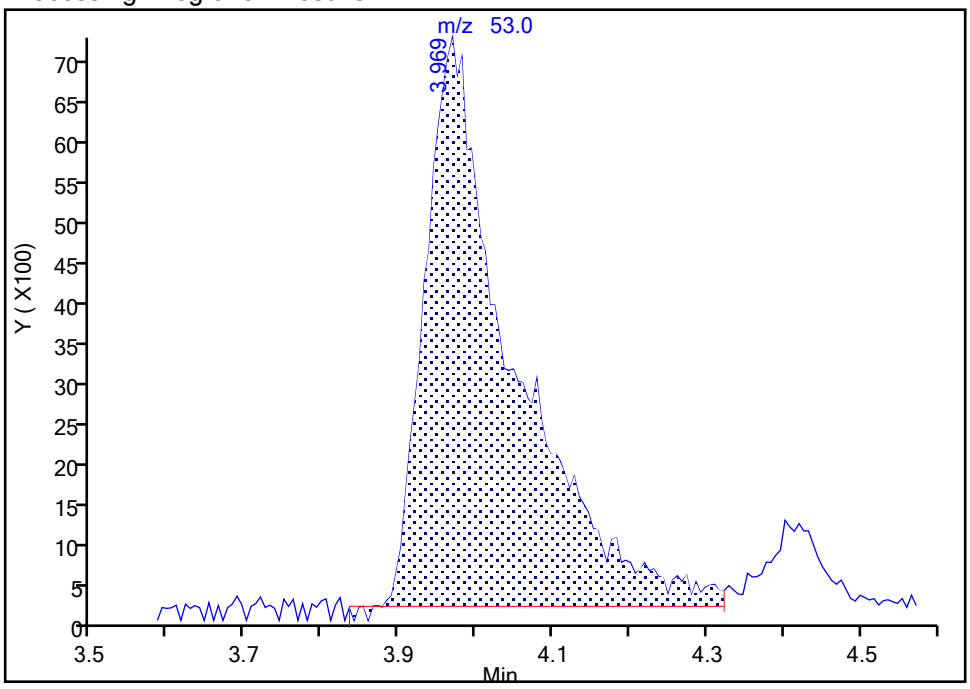
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X15.D				
Injection Date:	04-Jun-2025 22:13:30	Instrument ID:	10193		
Lims ID:	IC std4 2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

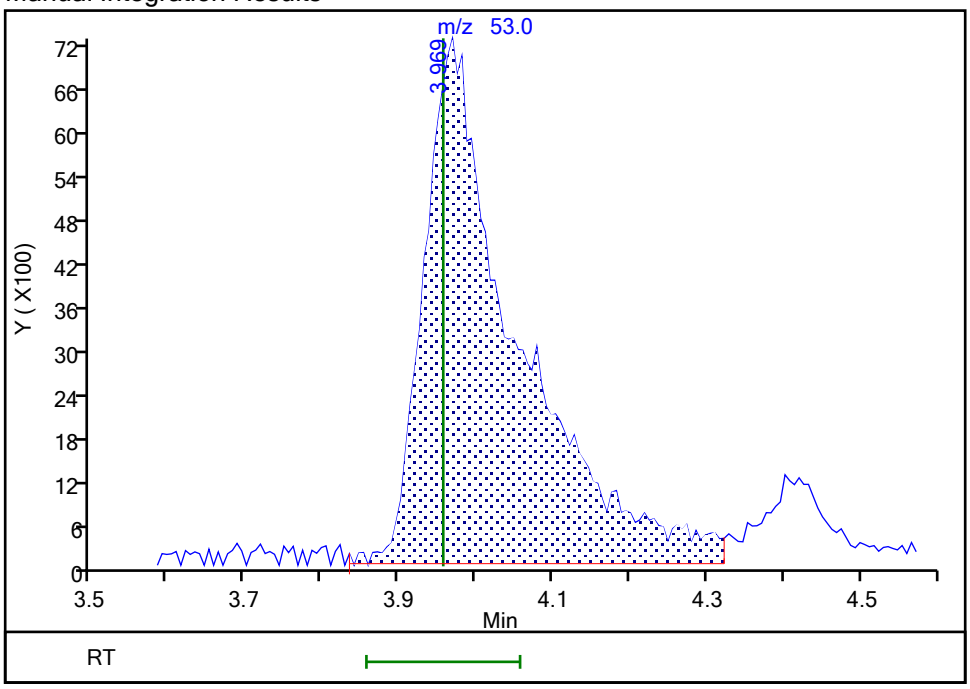
Processing Integration Results

RT: 3.97
Area: 57156
Amount: 4.113593
Amount Units: ug/l



Manual Integration Results

RT: 3.97
Area: 61778
Amount: 4.404383
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:49:48 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

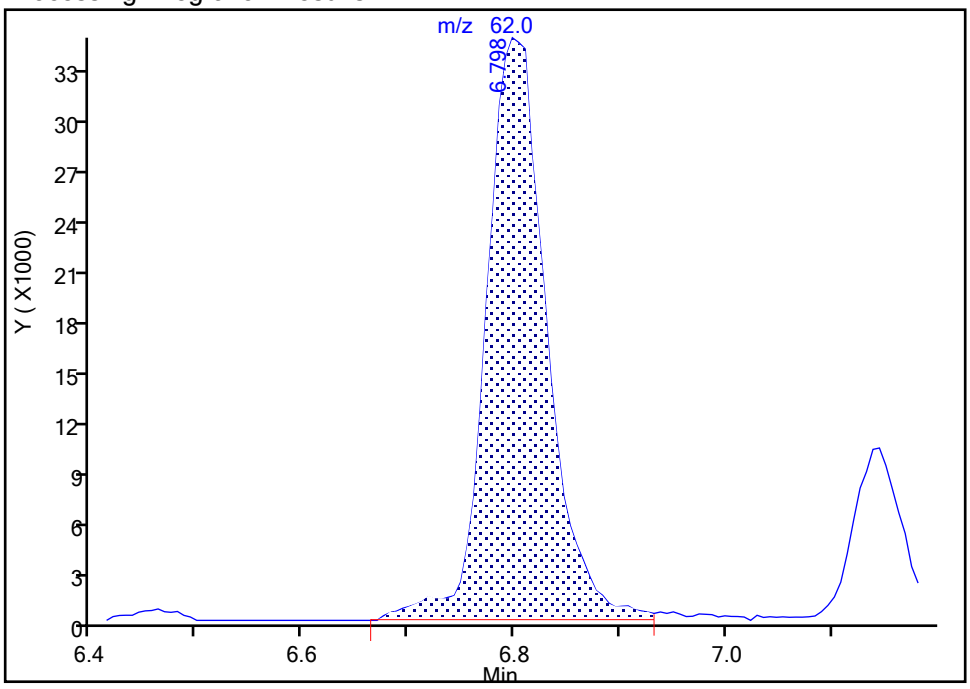
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X15.D				
Injection Date:	04-Jun-2025 22:13:30	Instrument ID:	10193		
Lims ID:	IC std4 2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

61 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

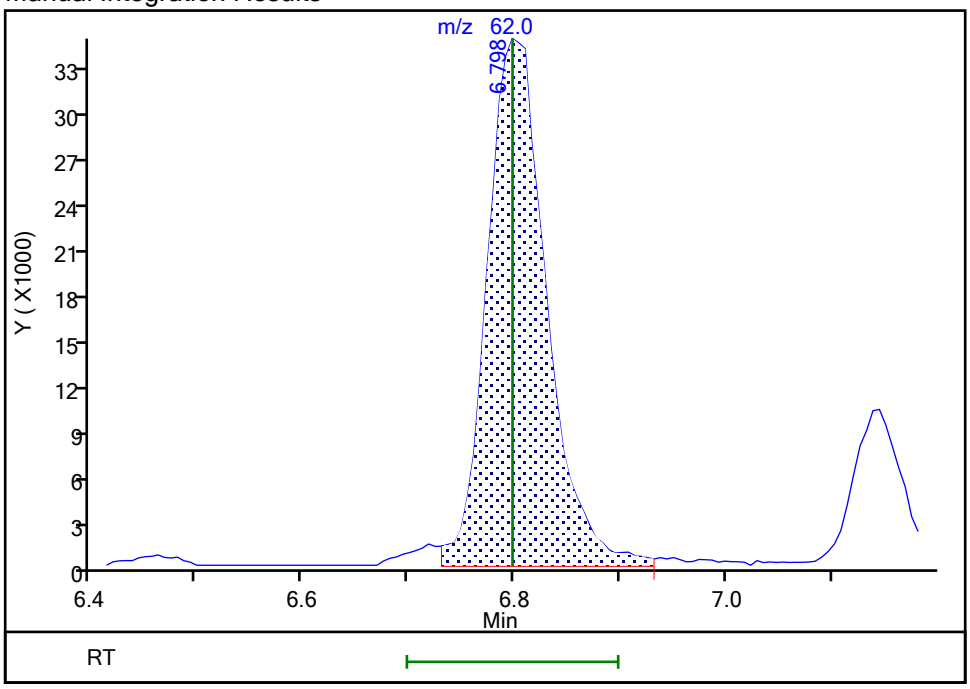
Processing Integration Results

RT: 6.80
Area: 136675
Amount: 1.860164
Amount Units: ug/l



Manual Integration Results

RT: 6.80
Area: 133938
Amount: 1.855425
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:22:48 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

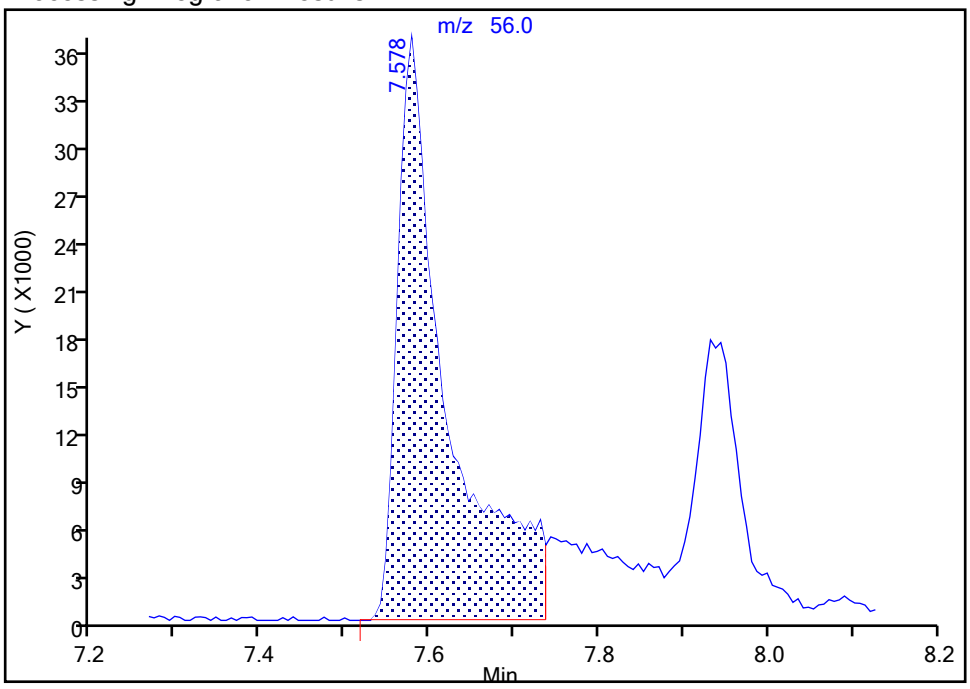
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X15.D				
Injection Date:	04-Jun-2025 22:13:30	Instrument ID:	10193		
Lims ID:	IC std4 2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

67 n-Butanol, CAS: 71-36-3

Signal: 1

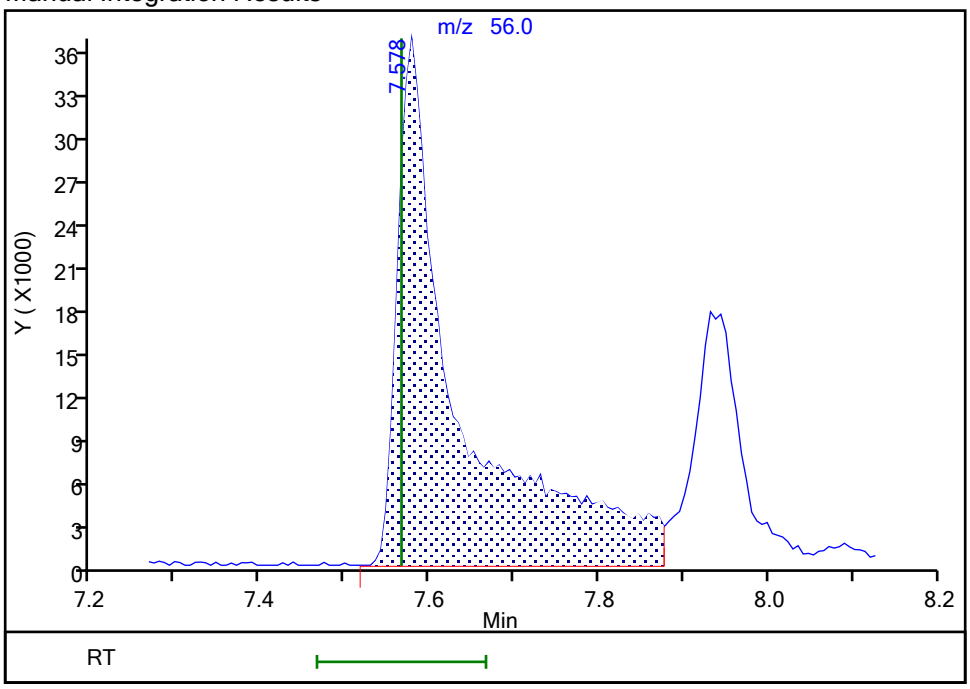
Processing Integration Results

RT: 7.58
Area: 148935
Amount: 135.3441
Amount Units: ug/l



Manual Integration Results

RT: 7.58
Area: 182657
Amount: 158.5027
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:50:14 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

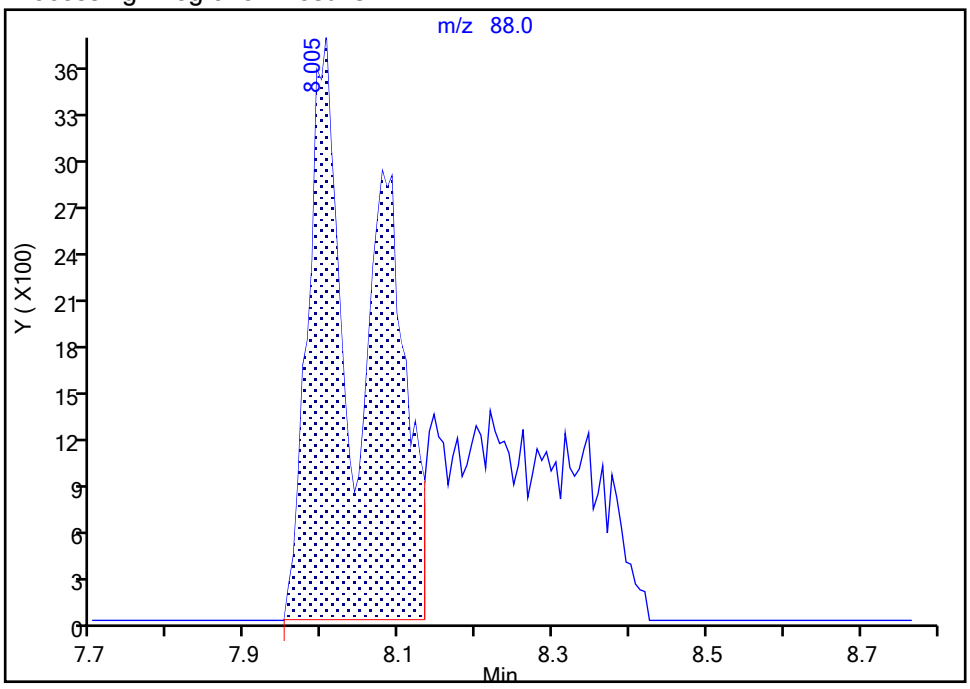
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X15.D				
Injection Date:	04-Jun-2025 22:13:30	Instrument ID:	10193		
Lims ID:	IC std4 2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

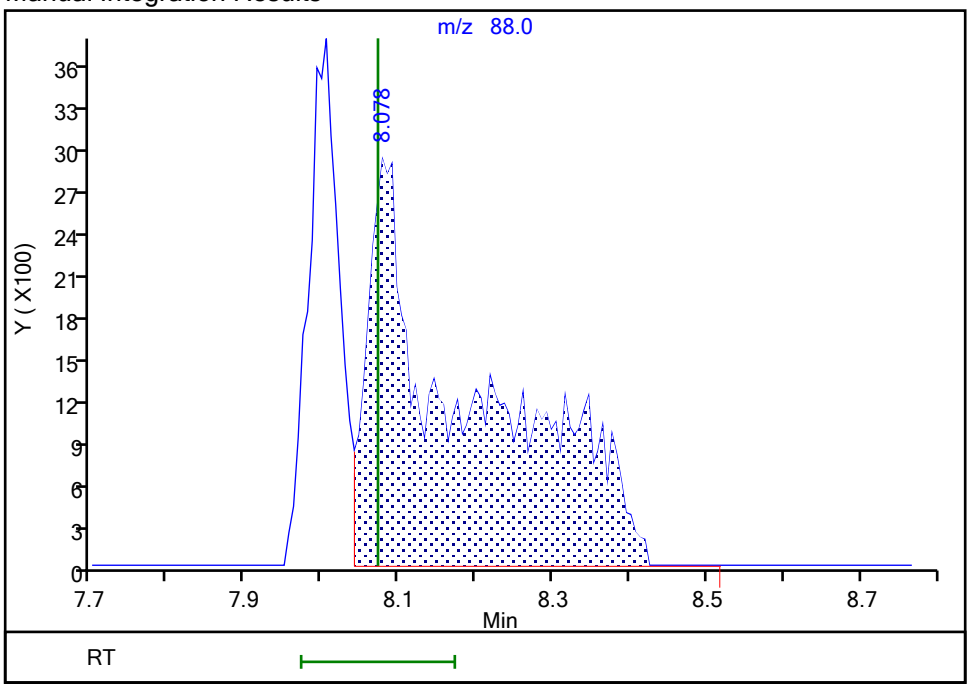
Processing Integration Results

RT: 8.00
Area: 20379
Amount: 73.714508
Amount Units: ug/l



Manual Integration Results

RT: 8.08
Area: 26267
Amount: 92.331167
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:50:24 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X16.D
Lims ID: IC std5 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 04-Jun-2025 22:35:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-017
Misc. Info.: IC STD5 LG
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:37 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 10:48:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.762	1.762	0.000	100	368860	5.00	4.90	
5 Chloromethane	50	1.951	1.945	0.006	100	424548	5.00	4.75	
7 Butadiene	39	2.024	2.025	-0.001	93	487013	5.00	4.74	
6 Vinyl chloride	62	2.049	2.043	0.006	99	382975	5.00	4.85	
9 Bromomethane	94	2.354	2.348	0.006	90	234731	5.00	4.65	
10 Chloroethane	64	2.378	2.372	0.006	100	218478	5.00	4.88	
11 Dichlorofluoromethane	67	2.634	2.634	0.000	96	631197	5.00	4.88	M
13 Pentane	43	2.646	2.646	0.000	97	450993	5.00	5.19	
12 Trichlorofluoromethane	101	2.683	2.677	0.006	100	491822	5.00	4.93	
14 Ethyl ether	59	2.829	2.823	0.006	93	242768	5.00	5.10	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.921	2.927	-0.006	93	337108	5.00	4.83	
17 Acrolein	56	2.975	2.970	0.005	99	1934430	244.0	273.6	M
18 1,1-Dichloroethene	96	3.097	3.098	-0.001	99	246219	5.00	5.00	
20 Acetone	43	3.122	3.116	0.006	84	461621	50.0	50.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.146	3.140	0.006	94	274210	5.00	5.36	
24 Isopropyl alcohol	45	3.262	3.250	0.012	38	168123	100.0	95.8	M
22 Iodomethane	142	3.262	3.262	0.000	100	522326	5.00	5.21	
23 Ethyl bromide	108	3.286	3.280	0.006	99	244467	4.99	5.18	
25 Carbon disulfide	76	3.347	3.347	0.000	99	930282	5.00	5.13	M
26 Methyl acetate	43	3.481	3.469	0.012	57	122126	5.00	4.91	M
29 3-Chloro-1-propene	41	3.500	3.500	0.000	88	486779	5.00	5.25	
* 31 t-Butyl alcohol-d10 (IS)	65	3.683	3.652	0.031	93	195044	50.0	50.0	
30 Methylene Chloride	84	3.664	3.658	0.006	92	311605	5.00	5.24	
32 2-Methyl-2-propanol	59	3.774	3.774	0.000	100	252888	100.0	87.3	
33 Acrylonitrile	53	3.963	3.957	0.006	98	161848	12.5	12.0	
34 Methyl tert-butyl ether	73	4.018	4.018	0.000	93	871880	5.00	5.18	
35 trans-1,2-Dichloroethene	96	4.018	4.018	0.000	99	317436	5.00	5.23	
36 Hexane	57	4.420	4.414	0.006	94	440670	5.00	5.33	
37 1,1-Dichloroethane	63	4.658	4.658	0.000	96	582751	5.00	5.27	
39 Isopropyl ether	45	4.725	4.725	0.000	94	1077291	5.00	5.27	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.774	4.768	0.006	92	505348	5.00	5.18	
41 Tert-butyl ethyl ether	59	5.280	5.274	0.006	98	1061955	5.00	5.27	
42 2-Butanone (MEK)	43	5.481	5.475	0.006	100	917331	50.0	51.8	
43 cis-1,2-Dichloroethene	96	5.518	5.512	0.006	84	369626	5.00	5.28	
44 2,2-Dichloropropane	77	5.530	5.530	0.000	89	443343	5.00	5.11	
45 Propionitrile	54	5.579	5.573	0.006	99	532040	100.0	111.3	
47 Methacrylonitrile	67	5.792	5.798	-0.006	93	925357	50.0	53.9	
48 Chlorobromomethane	128	5.853	5.853	0.000	93	166229	5.00	5.32	
49 Tetrahydrofuran	71	5.853	5.853	0.000	83	134185	25.0	26.6	
50 Chloroform	83	6.011	6.012	-0.001	95	594283	5.00	5.29	
S 52 1,2-Dichloroethene, Total	100				0			10.5	
$ 54 Dibromofluoromethane (Surr)	113	6.237	6.231	0.006	93	545788	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.231	6.231	0.000	84	511035	5.00	5.20	
55 Cyclohexane	56	6.335	6.329	0.006	92	549662	5.00	5.26	
56 Carbon tetrachloride	117	6.444	6.444	0.000	98	446477	5.00	5.33	
57 1,1-Dichloropropene	75	6.456	6.457	-0.001	95	456100	5.00	5.17	
58 Isobutyl alcohol	41	6.652	6.652	0.000	92	309892	250.0	262.4	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.700	6.694	0.006	99	113081	10.0	10.0	
60 Benzene	78	6.725	6.725	0.000	97	1375923	5.00	5.23	
61 1,2-Dichloroethane	62	6.804	6.798	0.006	97	380971	5.00	5.29	M
64 Tert-amyl methyl ether	73	6.932	6.932	0.000	98	955235	5.00	5.31	
* 65 Fluorobenzene (IS)	96	7.145	7.139	0.006	98	2313176	10.0	10.0	
66 n-Heptane	43	7.164	7.164	0.000	92	438591	5.00	5.38	
67 n-Butanol	56	7.572	7.566	0.006	90	541776	437.5	487.3	
68 Trichloroethene	95	7.633	7.633	0.000	99	365052	5.00	5.24	
69 Methylcyclohexane	83	7.944	7.938	0.006	92	599230	5.00	5.36	
70 1,2-Dichloropropane	63	7.974	7.975	-0.001	96	354789	5.00	5.27	
71 2-ethoxy-2-methyl butane	87	8.005	8.005	0.000	93	563060	5.00	5.34	
74 1,4-Dioxane	88	8.072	8.072	0.000	34	72553	250.0	264.3	M
73 Methyl methacrylate	69	8.084	8.084	0.000	91	185459	5.00	5.25	
72 Dibromomethane	93	8.084	8.084	0.000	91	177036	5.00	5.32	
76 Dichlorobromomethane	83	8.334	8.334	0.000	99	439442	5.00	5.36	
77 2-Nitropropane	41	8.621	8.621	0.000	99	295063	25.0	25.9	
78 1-Bromo-2-chloroethane	63	8.730	8.731	-0.001	99	350362	5.00	5.31	
80 cis-1,3-Dichloropropene	75	8.907	8.907	0.000	95	542722	5.00	5.37	
82 4-Methyl-2-pentanone (MIBK)	43	9.121	9.115	0.006	97	2453811	50.0	52.2	
$ 83 Toluene-d8 (Surr)	98	9.249	9.249	0.000	94	2323180	10.0	10.0	
84 Toluene	92	9.334	9.328	0.006	98	898264	5.00	5.24	
85 trans-1,3-Dichloropropene	75	9.627	9.627	0.000	95	463719	5.00	5.35	
86 Ethyl methacrylate	69	9.706	9.706	0.000	89	412442	5.00	5.49	
87 1,1,2-Trichloroethane	97	9.840	9.846	-0.006	91	259067	5.00	5.27	
88 Tetrachloroethene	166	9.925	9.925	0.000	98	413166	5.00	5.19	
89 1,3-Dichloropropane	76	10.017	10.017	0.000	92	440551	5.00	5.29	
S 107 1,3-Dichloropropene, Total	100				0			10.7	
106 2-Hexanone	43	10.090	10.090	0.000	97	1807304	50.0	53.8	
108 Chlorodibromomethane	129	10.242	10.242	0.000	90	328142	5.00	5.47	
110 Ethylene Dibromide	107	10.352	10.352	0.000	99	257871	5.00	5.41	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.815	0.000	86	1764929	10.0	10.0	
112 1-Chlorohexane	91	10.834	10.834	0.000	98	488277	5.00	5.08	
113 Chlorobenzene	112	10.840	10.840	0.000	95	1040176	5.00	5.30	
114 1,1,1,2-Tetrachloroethane	131	10.931	10.931	0.000	96	364416	5.00	5.46	
115 Ethylbenzene	91	10.937	10.937	0.000	98	1807246	5.00	5.30	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.059	11.059	0.000	97	1425023	10.0	10.8	
S 117 Xylenes, Total	106				0			16.1	
118 o-Xylene	106	11.401	11.401	0.000	97	695086	5.00	5.32	
119 Styrene	104	11.419	11.419	0.000	94	1183154	5.00	5.45	
120 Bromoform	173	11.577	11.578	-0.001	97	196118	5.00	5.61	
121 Isopropylbenzene	105	11.718	11.718	0.000	96	1611339	5.00	5.36	
$ 124 4-Bromofluorobenzene (Surr)	95	11.864	11.864	0.000	92	883630	10.0	10.1	
126 1,1,2,2-Tetrachloroethane	83	11.980	11.980	0.000	93	331165	5.00	5.34	
125 Bromobenzene	156	11.980	11.980	0.000	97	458738	5.00	5.26	
127 trans-1,4-Dichloro-2-butene	53	12.004	12.004	0.000	94	832051	50.0	56.0	
128 1,2,3-Trichloropropane	110	12.022	12.023	-0.001	82	90769	5.00	5.34	
129 N-Propylbenzene	91	12.059	12.059	0.000	99	2148429	5.00	5.30	
130 2-Chlorotoluene	126	12.132	12.132	0.000	96	431288	5.00	5.18	
131 1,3,5-Trimethylbenzene	105	12.199	12.199	0.000	93	1556329	5.00	5.31	
132 4-Chlorotoluene	126	12.230	12.230	0.000	97	451553	5.00	5.23	
133 tert-Butylbenzene	134	12.449	12.449	0.000	93	347754	5.00	5.17	
134 Pentachloroethane	167	12.480	12.474	0.006	93	273834	5.00	5.30	
135 1,2,4-Trimethylbenzene	105	12.492	12.492	0.000	97	1601753	5.00	5.32	
136 sec-Butylbenzene	105	12.614	12.614	0.000	94	1986304	5.00	5.31	
137 1,3-Dichlorobenzene	146	12.711	12.712	-0.001	98	896416	5.00	5.36	
138 4-Isopropyltoluene	119	12.730	12.730	0.000	97	1740754	5.00	5.32	
* 139 1,4-Dichlorobenzene-d4	152	12.772	12.772	0.000	94	982114	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.785	12.785	-0.001	95	910871	5.00	5.22	
141 1,2,3-Trimethylbenzene	120	12.803	12.803	0.000	99	710123	5.00	5.22	
142 Benzyl chloride	126	12.870	12.870	0.000	99	121164	5.00	5.56	
145 p-Diethylbenzene	119	13.004	13.004	0.000	96	1058758	5.00	5.35	
143 n-Butylbenzene	92	13.028	13.029	0.000	97	838585	5.00	5.32	
144 1,2-Dichlorobenzene	146	13.053	13.053	0.000	99	811448	5.00	5.32	
148 1,2-Dibromo-3-Chloropropane	155	13.608	13.608	0.000	86	47000	5.00	5.67	
149 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	98	631233	5.00	5.39	
150 1,2,4-Trichlorobenzene	180	14.168	14.169	-0.001	94	487193	5.00	5.50	
151 Hexachlorobutadiene	225	14.254	14.254	0.000	97	256357	5.00	5.18	
152 Naphthalene	128	14.351	14.345	0.006	97	826933	5.00	5.71	
153 1,2,3-Trichlorobenzene	180	14.491	14.492	-0.001	96	381517	5.00	5.56	
154 2-Methylnaphthalene	142	15.101	15.101	0.000	92	288960	5.00	4.92	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00168	Amount Added:	5.00	Units: uL	
MSV_LL_#2_826_00181	Amount Added:	5.00	Units: uL	
MSV_LL_GAS826_00274	Amount Added:	5.00	Units: uL	
MSV_HP25_ISSS_00114	Amount Added:	1.00	Units: uL	Run Reagent

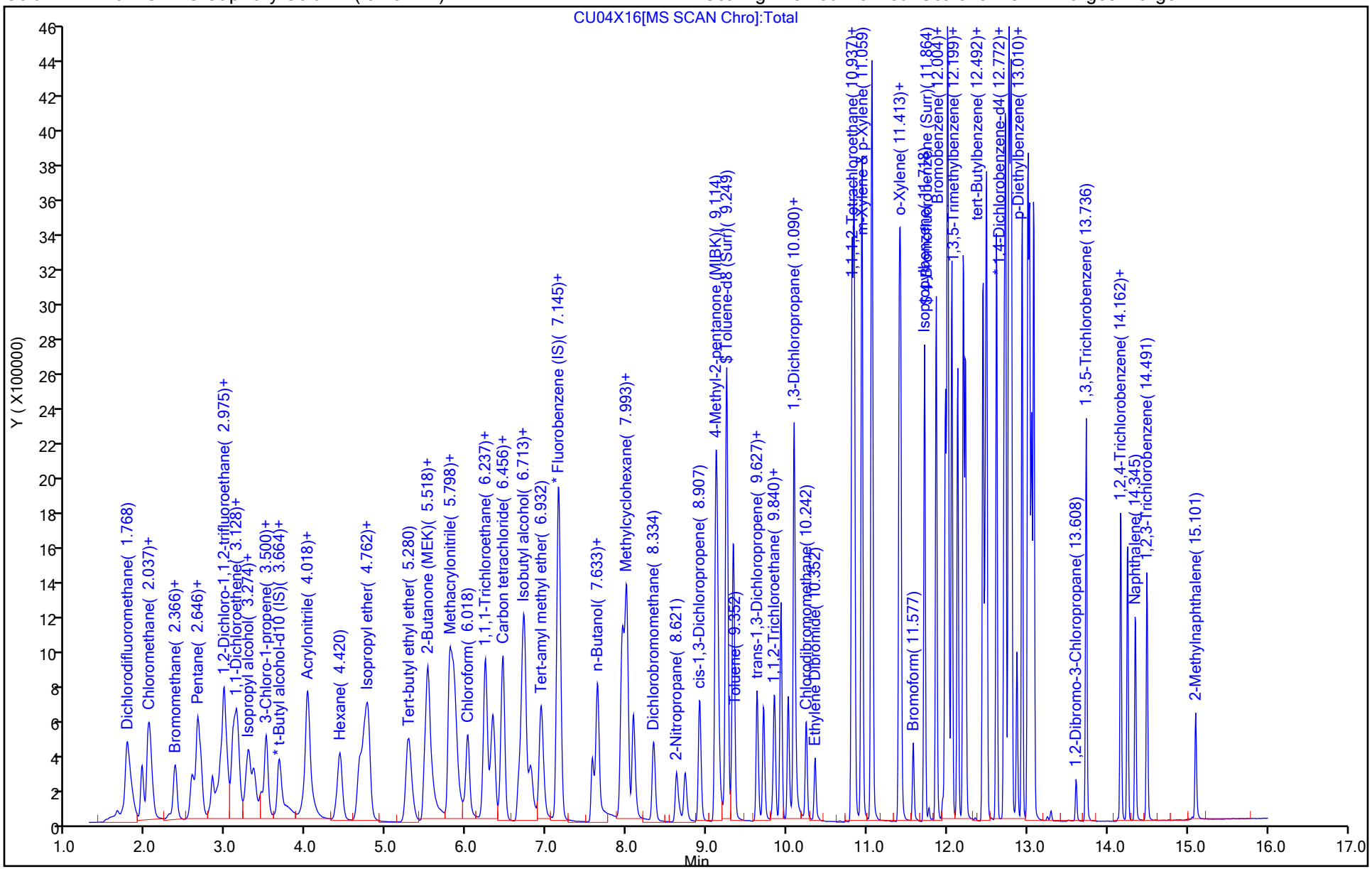
Report Date: 06-Jun-2025 09:18:38 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X16.D

Injection Date:	04-Jun-2025 22:35:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC std5 5			Worklist Smp#:	17
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

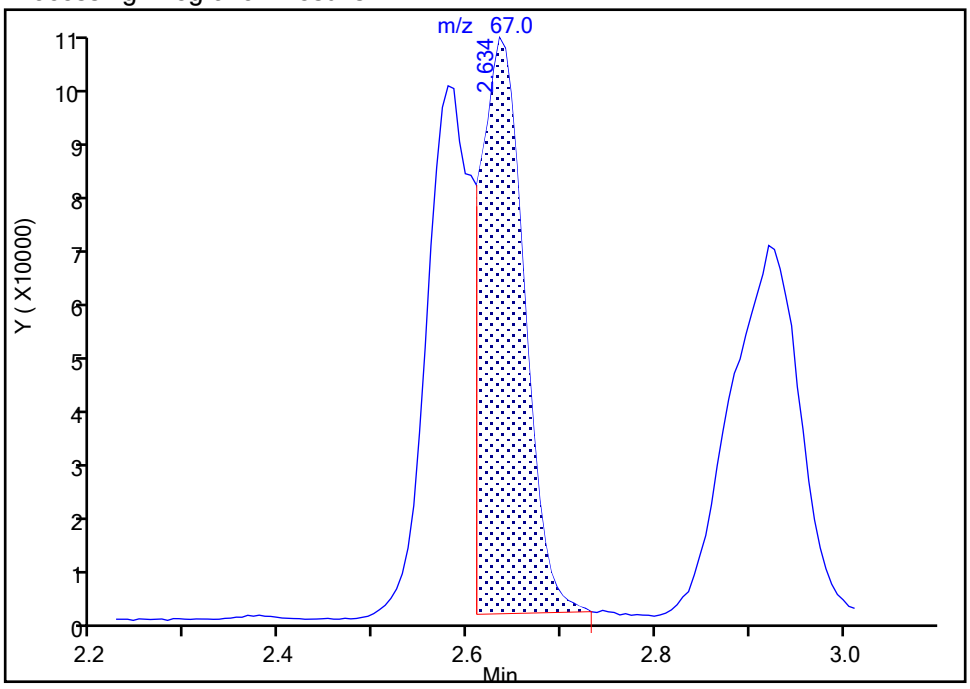
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X16.D				
Injection Date:	04-Jun-2025 22:35:30	Instrument ID:	10193		
Lims ID:	IC std5 5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

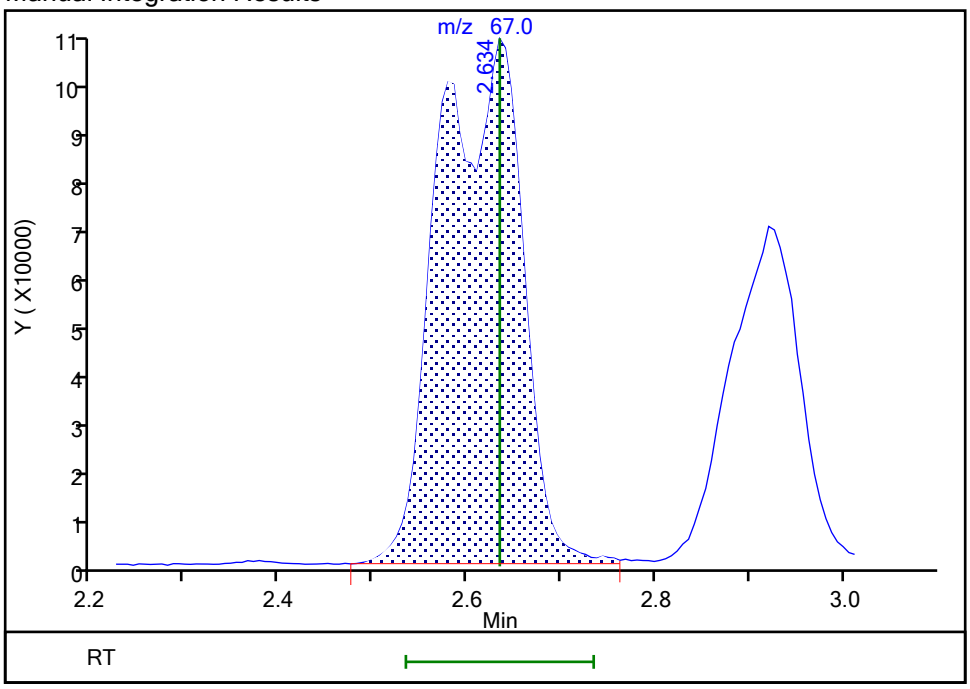
Processing Integration Results

RT: 2.63
Area: 328728
Amount: 3.704532
Amount Units: ug/l



Manual Integration Results

RT: 2.63
Area: 631197
Amount: 4.884863
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:46:56 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

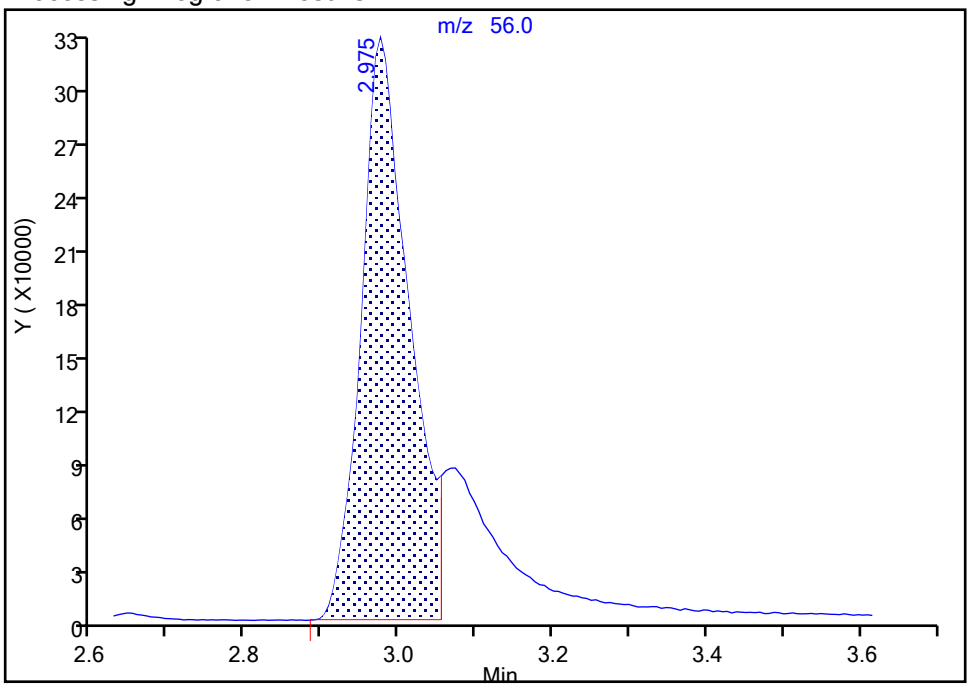
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X16.D				
Injection Date:	04-Jun-2025 22:35:30	Instrument ID:	10193		
Lims ID:	IC std5 5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

17 Acrolein, CAS: 107-02-8

Signal: 1

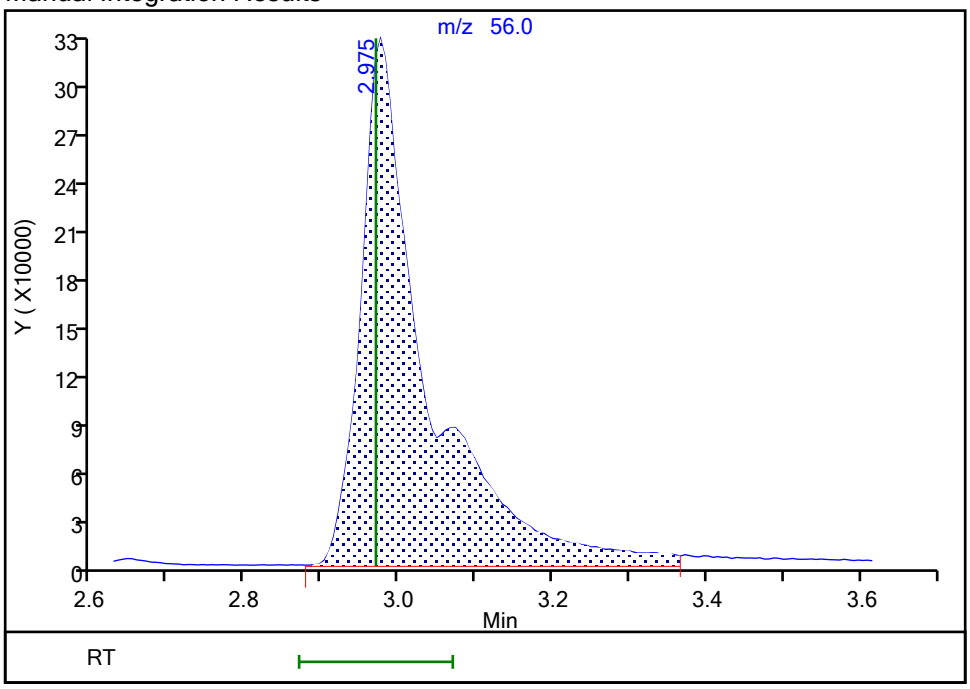
Processing Integration Results

RT: 2.98
Area: 1427678
Amount: 218.1653
Amount Units: ug/l



Manual Integration Results

RT: 2.98
Area: 1934430
Amount: 273.6438
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:47:10 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

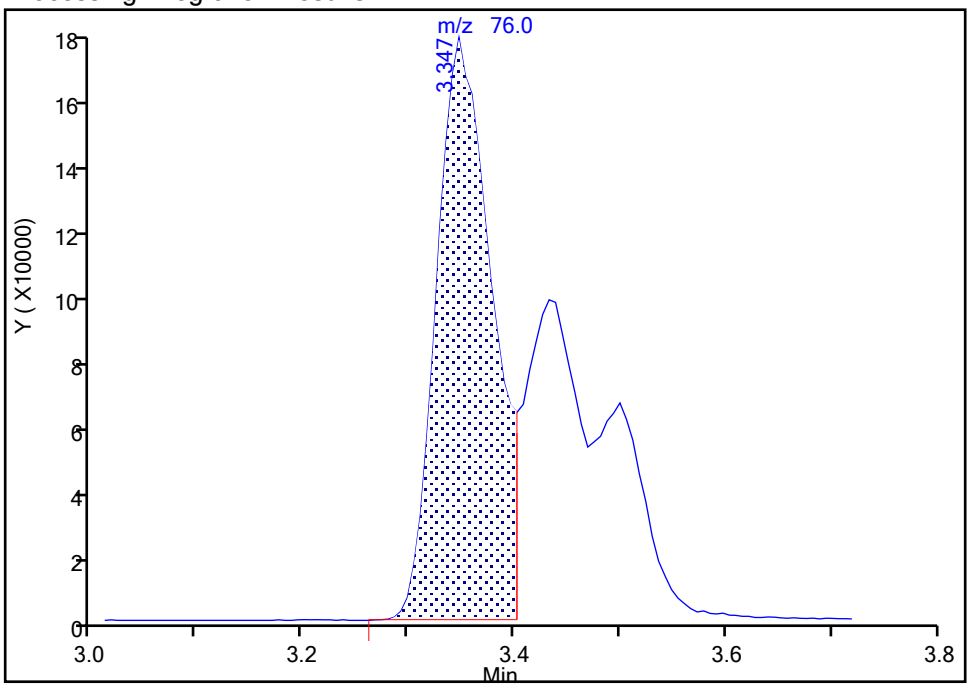
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X16.D				
Injection Date:	04-Jun-2025 22:35:30	Instrument ID:	10193		
Lims ID:	IC std5 5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

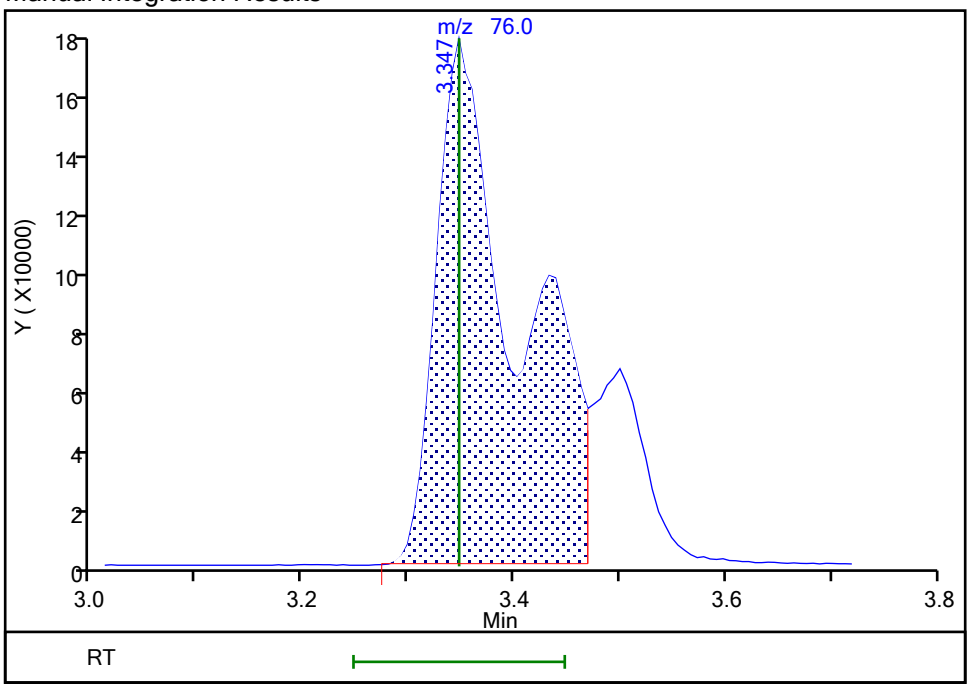
Processing Integration Results

RT: 3.35
Area: 631006
Amount: 4.585951
Amount Units: ug/l



Manual Integration Results

RT: 3.35
Area: 930282
Amount: 5.128496
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:47:24 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

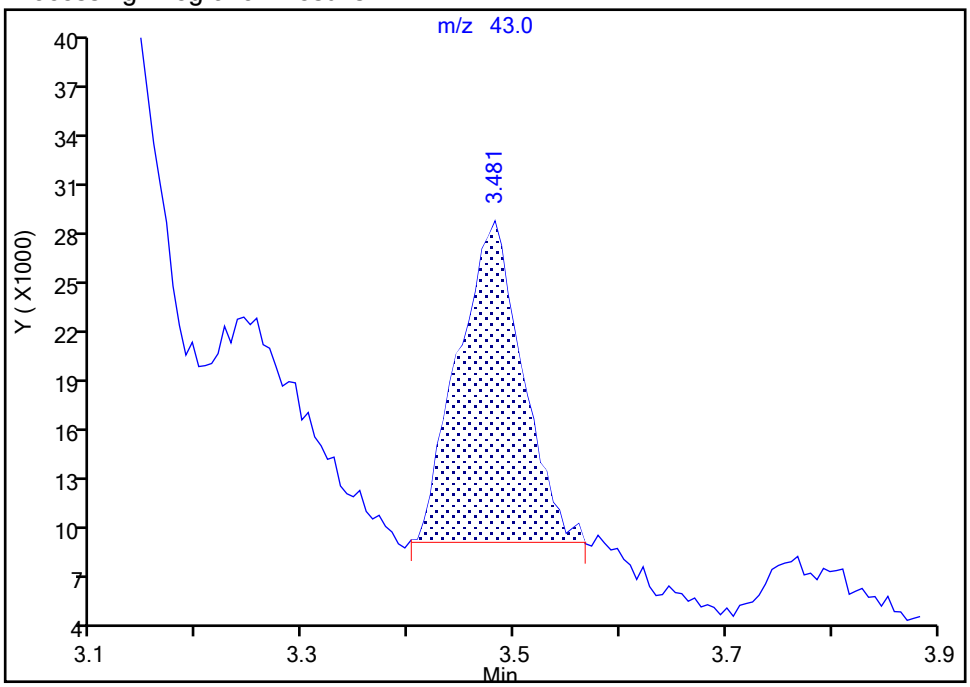
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X16.D				
Injection Date:	04-Jun-2025 22:35:30	Instrument ID:	10193		
Lims ID:	IC std5 5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

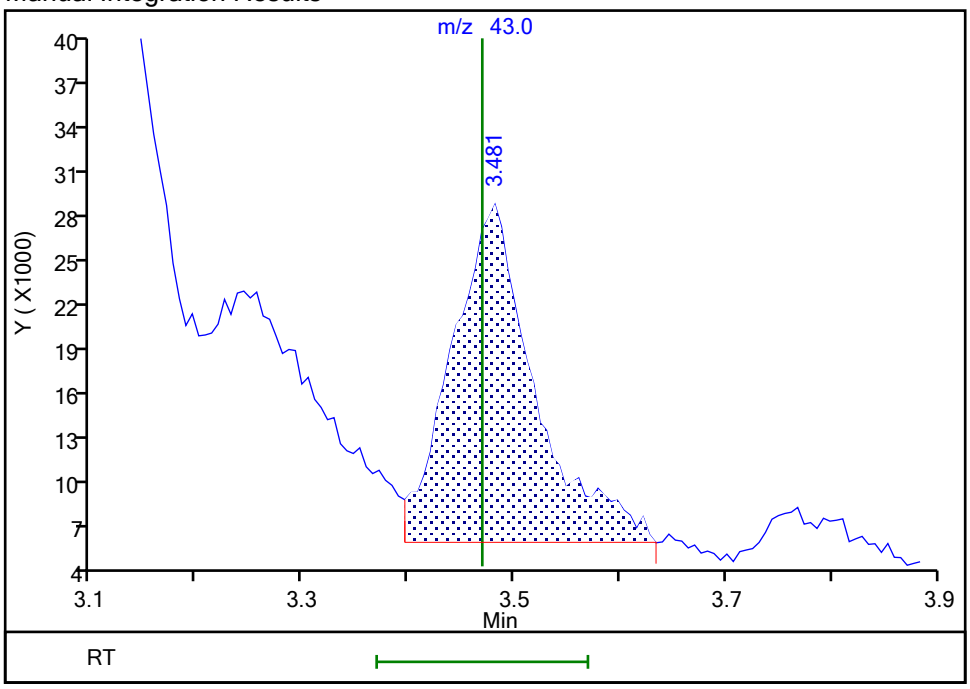
Processing Integration Results

RT: 3.48
Area: 81867
Amount: 3.904442
Amount Units: ug/l



Manual Integration Results

RT: 3.48
Area: 122126
Amount: 4.914816
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:47:38 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

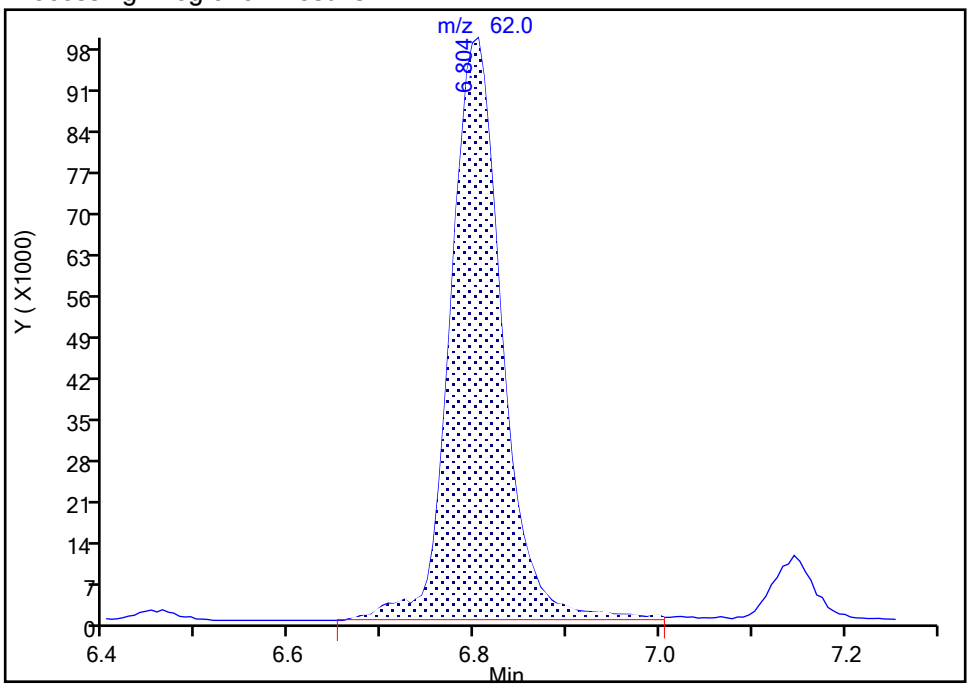
Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X16.D
Injection Date: 04-Jun-2025 22:35:30 Instrument ID: 10193
Lims ID: IC std5 5
Client ID:
Operator ID: knk41612 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

61 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

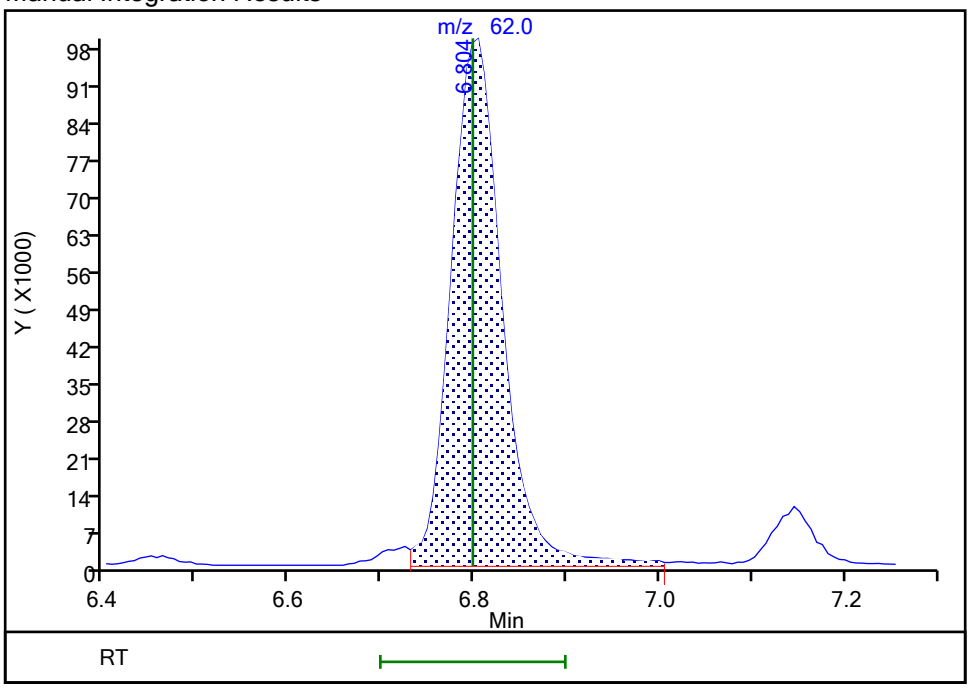
Processing Integration Results

RT: 6.80
Area: 388314
Amount: 5.316443
Amount Units: ug/l



Manual Integration Results

RT: 6.80
Area: 380971
Amount: 5.294811
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:23:02 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

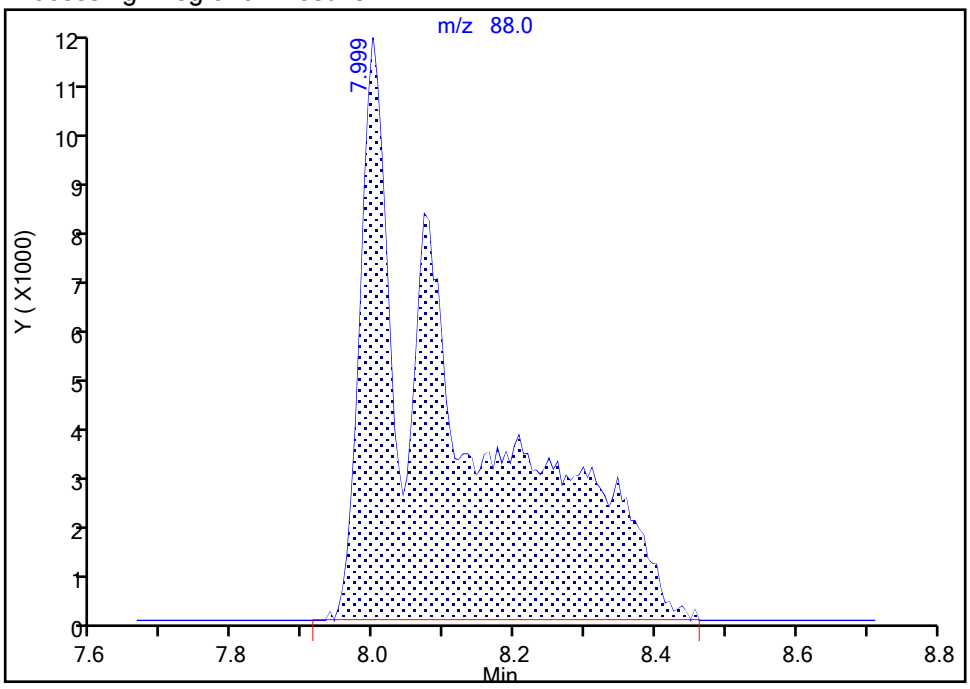
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X16.D				
Injection Date:	04-Jun-2025 22:35:30	Instrument ID:	10193		
Lims ID:	IC std5 5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

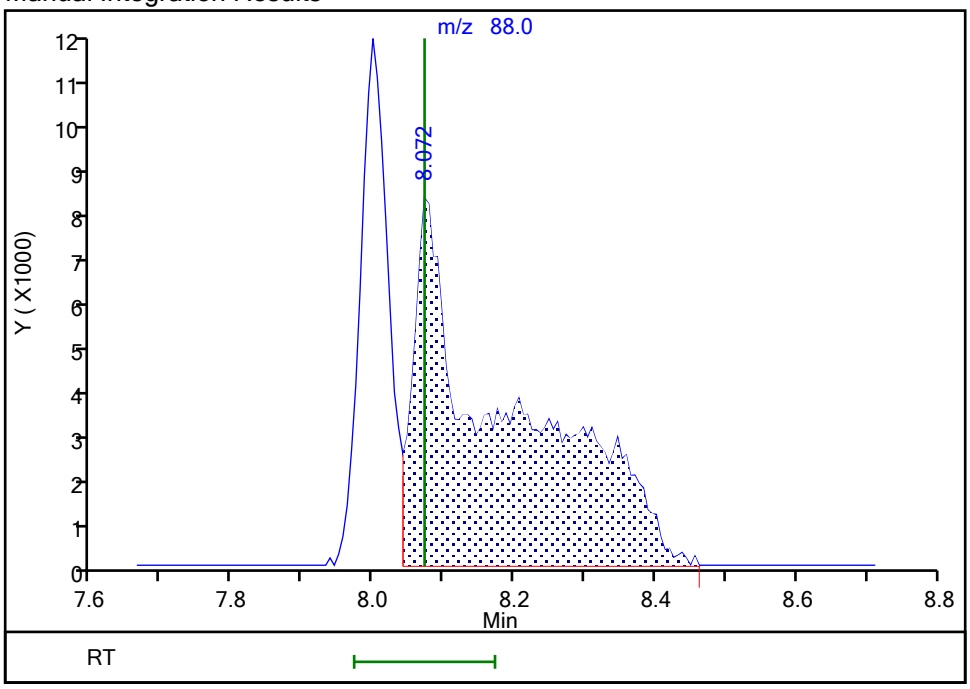
Processing Integration Results

RT: 8.00
Area: 103490
Amount: 363.8887
Amount Units: ug/l



Manual Integration Results

RT: 8.07
Area: 72553
Amount: 264.3410
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:48:01 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X17.D
Lims ID: ICIS 10
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 04-Jun-2025 22:57:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-018
Misc. Info.: IC STD10 LG
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:42 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: UKEK Date: 06-Jun-2025 09:16:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.762	1.762	0.000	100	711315	10.0	9.27	
5 Chloromethane	50	1.945	1.945	0.000	100	829326	10.0	9.11	
7 Butadiene	39	2.025	2.025	0.000	91	867379	10.0	8.28	M
6 Vinyl chloride	62	2.043	2.043	0.000	99	755121	10.0	9.39	
9 Bromomethane	94	2.348	2.348	0.000	92	481890	10.0	9.37	
10 Chloroethane	64	2.372	2.372	0.000	100	428938	10.0	9.41	
11 Dichlorofluoromethane	67	2.634	2.634	0.000	98	1243761	10.0	9.45	M
13 Pentane	43	2.646	2.646	0.000	97	834535	10.0	9.43	
12 Trichlorofluoromethane	101	2.677	2.677	0.000	99	940667	10.0	9.25	
14 Ethyl ether	59	2.823	2.823	0.000	93	491609	10.0	10.1	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.927	2.927	0.000	93	675780	10.0	9.50	
17 Acrolein	56	2.970	2.970	0.000	99	2884485	487.9	406.7	
18 1,1-Dichloroethene	96	3.098	3.098	0.000	99	483327	10.0	9.64	
20 Acetone	43	3.116	3.116	0.000	99	889005	100.0	96.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.140	3.140	0.000	95	503735	10.0	9.67	
24 Isopropyl alcohol	45	3.250	3.250	0.000	36	331921	200.0	188.6	M
22 Iodomethane	142	3.262	3.262	0.000	99	1037853	10.0	10.2	
23 Ethyl bromide	108	3.280	3.280	0.000	99	488634	9.99	10.2	
25 Carbon disulfide	76	3.347	3.347	0.000	99	1831634	10.0	9.91	M
26 Methyl acetate	43	3.469	3.469	0.000	81	222342	10.0	8.92	M
29 3-Chloro-1-propene	41	3.500	3.500	0.000	90	969689	10.0	10.3	
* 31 t-Butyl alcohol-d10 (IS)	65	3.671	3.671	0.000	93	195687	50.0	50.0	
30 Methylene Chloride	84	3.658	3.658	0.000	92	621763	10.0	10.3	
32 2-Methyl-2-propanol	59	3.774	3.774	0.000	100	526705	200.0	181.2	
33 Acrylonitrile	53	3.957	3.957	0.000	98	323997	25.0	23.9	
34 Methyl tert-butyl ether	73	4.018	4.018	0.000	95	1732814	10.0	10.1	
35 trans-1,2-Dichloroethene	96	4.018	4.018	0.000	99	629272	10.0	10.2	
36 Hexane	57	4.414	4.414	0.000	93	815383	10.0	9.68	
37 1,1-Dichloroethane	63	4.658	4.658	0.000	97	1143325	10.0	10.1	
39 Isopropyl ether	45	4.725	4.725	0.000	94	2133631	10.0	10.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.768	4.768	0.000	92	1005337	10.0	10.1	
41 Tert-butyl ethyl ether	59	5.274	5.274	0.000	98	2111946	10.0	10.3	
42 2-Butanone (MEK)	43	5.475	5.475	0.000	100	1820498	100.0	102.5	
43 cis-1,2-Dichloroethene	96	5.512	5.512	0.000	84	728703	10.0	10.2	
44 2,2-Dichloropropane	77	5.530	5.530	0.000	89	864914	10.0	9.78	
45 Propionitrile	54	5.573	5.573	0.000	99	1035564	200.0	216.0	
47 Methacrylonitrile	67	5.798	5.798	0.000	92	1818764	100.0	105.7	
48 Chlorobromomethane	128	5.853	5.853	0.000	94	323186	10.0	10.2	
49 Tetrahydrofuran	71	5.853	5.853	0.000	74	262439	50.0	51.9	
50 Chloroform	83	6.012	6.012	0.000	95	1169649	10.0	10.2	
$ 54 Dibromofluoromethane (Surr)	113	6.231	6.231	0.000	94	559311	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.231	6.231	0.000	98	1008421	10.0	10.1	
55 Cyclohexane	56	6.329	6.329	0.000	92	1047509	10.0	9.84	
56 Carbon tetrachloride	117	6.444	6.444	0.000	98	873731	10.0	10.2	
57 1,1-Dichloropropene	75	6.457	6.457	0.000	96	900783	10.0	10.0	
58 Isobutyl alcohol	41	6.652	6.652	0.000	94	598754	500.0	505.4	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.694	6.694	0.000	96	113375	10.0	9.88	
60 Benzene	78	6.725	6.725	0.000	97	2772615	10.0	10.3	
61 1,2-Dichloroethane	62	6.798	6.798	0.000	98	737050	10.0	10.1	
64 Tert-amyl methyl ether	73	6.932	6.932	0.000	98	1895057	10.0	10.3	
* 65 Fluorobenzene (IS)	96	7.146	7.146	0.000	99	2356745	10.0	10.0	
66 n-Heptane	43	7.164	7.164	0.000	91	815564	10.0	9.83	
67 n-Butanol	56	7.566	7.566	0.000	89	1064292	875.0	954.1	
68 Trichloroethene	95	7.633	7.633	0.000	99	719194	10.0	10.1	
69 Methylcyclohexane	83	7.938	7.938	0.000	91	1126284	10.0	9.88	
70 1,2-Dichloropropane	63	7.975	7.975	0.000	96	701824	10.0	10.2	
71 2-ethoxy-2-methyl butane	87	8.005	8.005	0.000	93	1122374	10.0	10.4	
74 1,4-Dioxane	88	8.072	8.072	0.000	33	133857	500.0	486.1	M
73 Methyl methacrylate	69	8.084	8.084	0.000	90	356016	10.0	10.0	
72 Dibromomethane	93	8.084	8.084	0.000	90	350295	10.0	10.3	
76 Dichlorobromomethane	83	8.334	8.334	0.000	100	872507	10.0	10.4	
77 2-Nitropropane	41	8.621	8.621	0.000	99	585376	50.0	51.1	
78 1-Bromo-2-chloroethane	63	8.731	8.731	0.000	99	710679	10.0	10.6	
80 cis-1,3-Dichloropropene	75	8.907	8.907	0.000	95	1083083	10.0	10.5	
82 4-Methyl-2-pentanone (MIBK)	43	9.115	9.115	0.000	97	5021327	100.0	106.5	
$ 83 Toluene-d8 (Surr)	98	9.249	9.249	0.000	94	2339352	10.0	9.98	
84 Toluene	92	9.328	9.328	0.000	98	1766699	10.0	10.2	
85 trans-1,3-Dichloropropene	75	9.627	9.627	0.000	94	936248	10.0	10.7	
86 Ethyl methacrylate	69	9.706	9.706	0.000	89	824386	10.0	10.9	
87 1,1,2-Trichloroethane	97	9.846	9.846	0.000	91	505817	10.0	10.2	
88 Tetrachloroethene	166	9.925	9.925	0.000	98	800949	10.0	9.95	
89 1,3-Dichloropropane	76	10.017	10.017	0.000	92	871446	10.0	10.3	
106 2-Hexanone	43	10.090	10.090	0.000	96	3583142	100.0	106.3	
108 Chlorodibromomethane	129	10.242	10.242	0.000	90	654881	10.0	10.8	
110 Ethylene Dibromide	107	10.352	10.352	0.000	99	508777	10.0	10.6	
* 111 Chlorobenzene-d5 (IS)	117	10.816	10.816	0.000	86	1784969	10.0	10.0	
112 1-Chlorohexane	91	10.834	10.834	0.000	97	938849	10.0	9.65	
113 Chlorobenzene	112	10.840	10.840	0.000	95	2035693	10.0	10.3	
114 1,1,1,2-Tetrachloroethane	131	10.931	10.931	0.000	96	714022	10.0	10.6	
115 Ethylbenzene	91	10.937	10.937	0.000	98	3573708	10.0	10.4	
116 m-Xylene & p-Xylene	106	11.059	11.059	0.000	96	2785164	20.0	20.8	
118 o-Xylene	106	11.401	11.401	0.000	97	1373841	10.0	10.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
119 Styrene	104	11.419	11.419	0.000	95	2333644	10.0	10.6	
120 Bromoform	173	11.578	11.578	0.000	97	393310	10.0	11.1	
121 Isopropylbenzene	105	11.718	11.718	0.000	96	3160521	10.0	10.4	
$ 124 4-Bromofluorobenzene (Surr)	95	11.864	11.864	0.000	92	892633	10.0	10.1	
126 1,1,2,2-Tetrachloroethane	83	11.980	11.980	0.000	91	658027	10.0	10.4	
125 Bromobenzene	156	11.980	11.980	0.000	95	897841	10.0	10.1	
127 trans-1,4-Dichloro-2-butene	53	12.004	12.004	0.000	94	1730386	100.0	114.6	
128 1,2,3-Trichloropropane	110	12.023	12.023	0.000	82	177391	10.0	10.3	
129 N-Propylbenzene	91	12.059	12.059	0.000	99	4231523	10.0	10.3	
130 2-Chlorotoluene	126	12.132	12.132	0.000	97	854229	10.0	10.1	
131 1,3,5-Trimethylbenzene	105	12.199	12.199	0.000	94	3063306	10.0	10.3	
132 4-Chlorotoluene	126	12.230	12.230	0.000	97	891868	10.0	10.2	
133 tert-Butylbenzene	134	12.449	12.449	0.000	93	685518	10.0	10.0	
134 Pentachloroethane	167	12.474	12.474	0.000	93	573273	10.0	10.9	
135 1,2,4-Trimethylbenzene	105	12.492	12.492	0.000	97	3198872	10.0	10.5	
136 sec-Butylbenzene	105	12.614	12.614	0.000	95	3895567	10.0	10.2	
137 1,3-Dichlorobenzene	146	12.712	12.712	0.000	98	1754616	10.0	10.3	
138 4-Isopropyltoluene	119	12.730	12.730	0.000	97	3396561	10.0	10.2	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.766	0.000	95	997762	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.785	12.785	0.000	95	1796973	10.0	10.1	
141 1,2,3-Trimethylbenzene	120	12.803	12.803	0.000	99	1413730	10.0	10.2	
142 Benzyl chloride	126	12.870	12.870	0.000	99	242134	10.0	10.9	
145 p-Diethylbenzene	119	13.004	13.004	0.000	93	2096466	10.0	10.4	
143 n-Butylbenzene	92	13.029	13.029	0.000	97	1655944	10.0	10.3	
144 1,2-Dichlorobenzene	146	13.053	13.053	0.000	99	1622585	10.0	10.5	
148 1,2-Dibromo-3-Chloropropane	155	13.608	13.608	0.000	86	94571	10.0	11.2	
149 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	98	1270413	10.0	10.7	
150 1,2,4-Trichlorobenzene	180	14.169	14.169	0.000	94	1008958	10.0	11.2	
151 Hexachlorobutadiene	225	14.254	14.254	0.000	97	500714	10.0	9.96	
152 Naphthalene	128	14.345	14.345	0.000	97	1726665	10.0	11.7	
153 1,2,3-Trichlorobenzene	180	14.492	14.492	0.000	96	785866	10.0	11.3	
154 2-Methylnaphthalene	142	15.101	15.101	0.000	92	657120	10.0	10.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00168	Amount Added: 10.00	Units: uL	
MSV_LL_#2_826_00181	Amount Added: 10.00	Units: uL	
MSV_LL_GAS826_00274	Amount Added: 10.00	Units: uL	
MSV_HP25_ISSS_00114	Amount Added: 1.00	Units: uL	Run Reagent

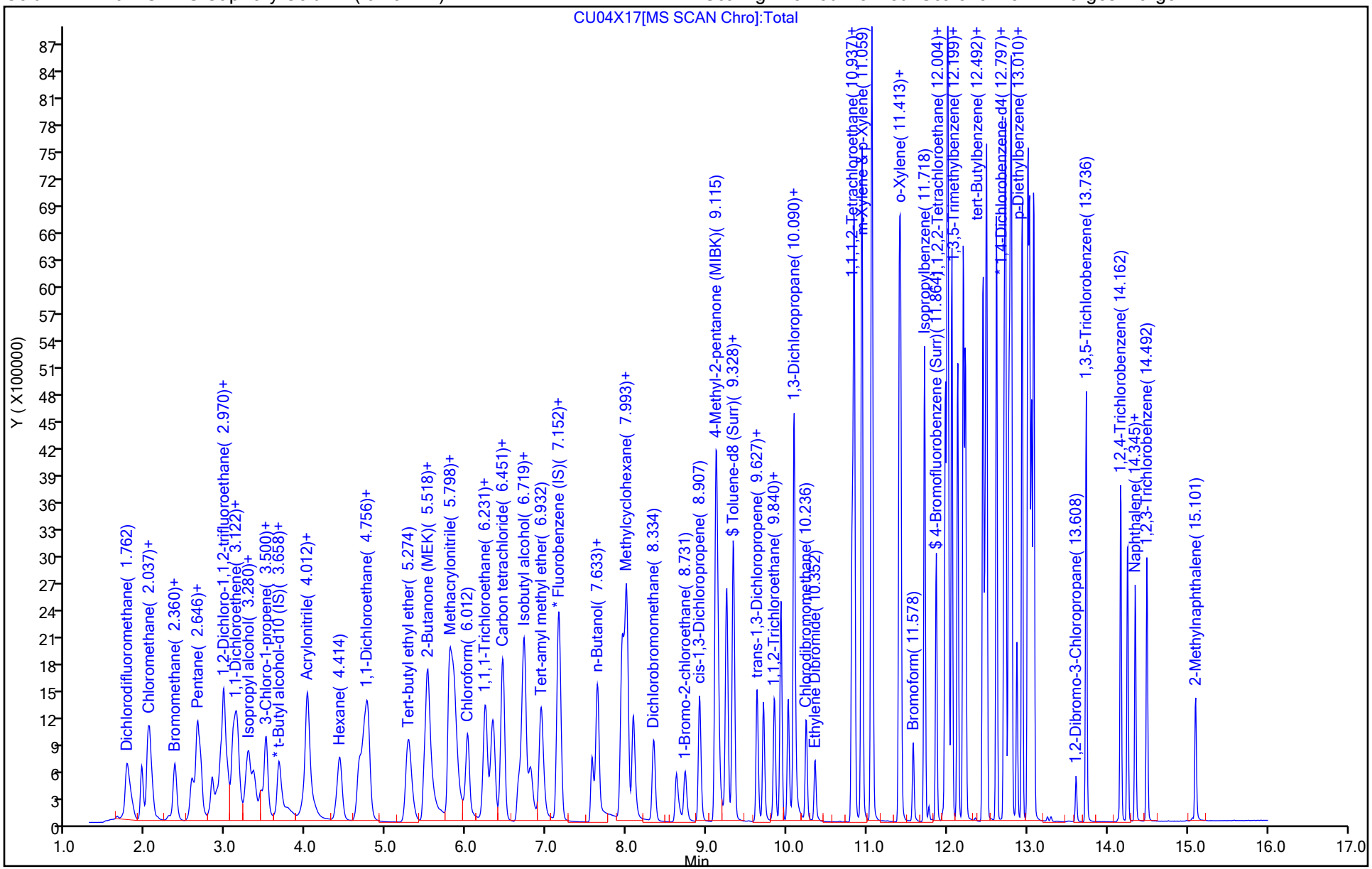
Report Date: 06-Jun-2025 09:18:43 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X17.D

Injection Date:	04-Jun-2025 22:57:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	ICIS 10			Worklist Smp#:	18
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

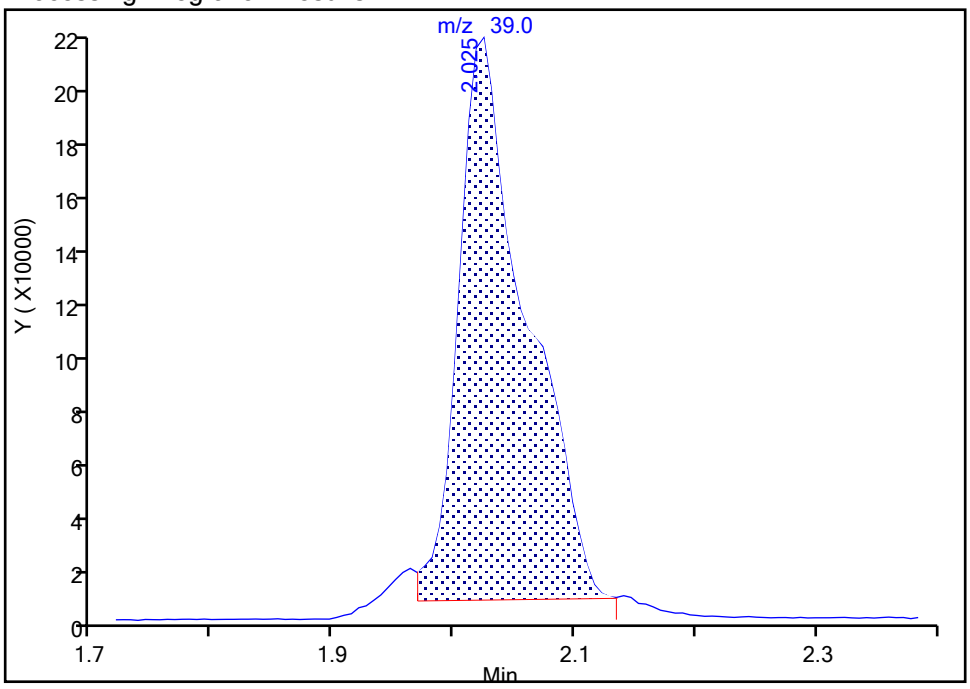
Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X17.D
Injection Date: 04-Jun-2025 22:57:30 Instrument ID: 10193
Lims ID: ICIS 10
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

7 Butadiene, CAS: 106-99-0

Signal: 1

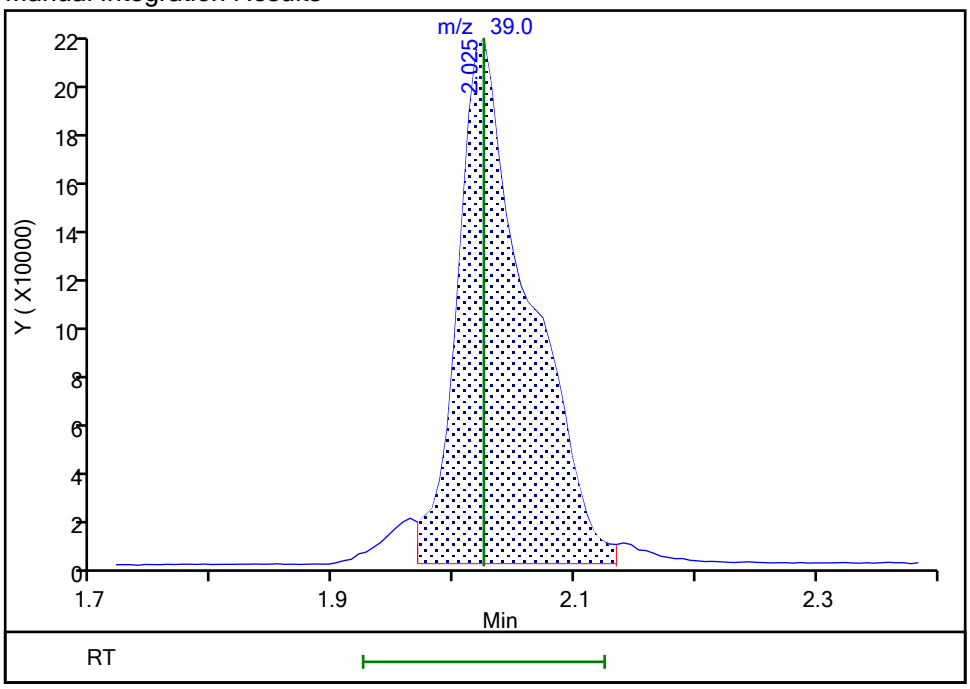
Processing Integration Results

RT: 2.02
Area: 795144
Amount: 9.004439
Amount Units: ug/l



Manual Integration Results

RT: 2.02
Area: 867379
Amount: 8.278755
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:37:32 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

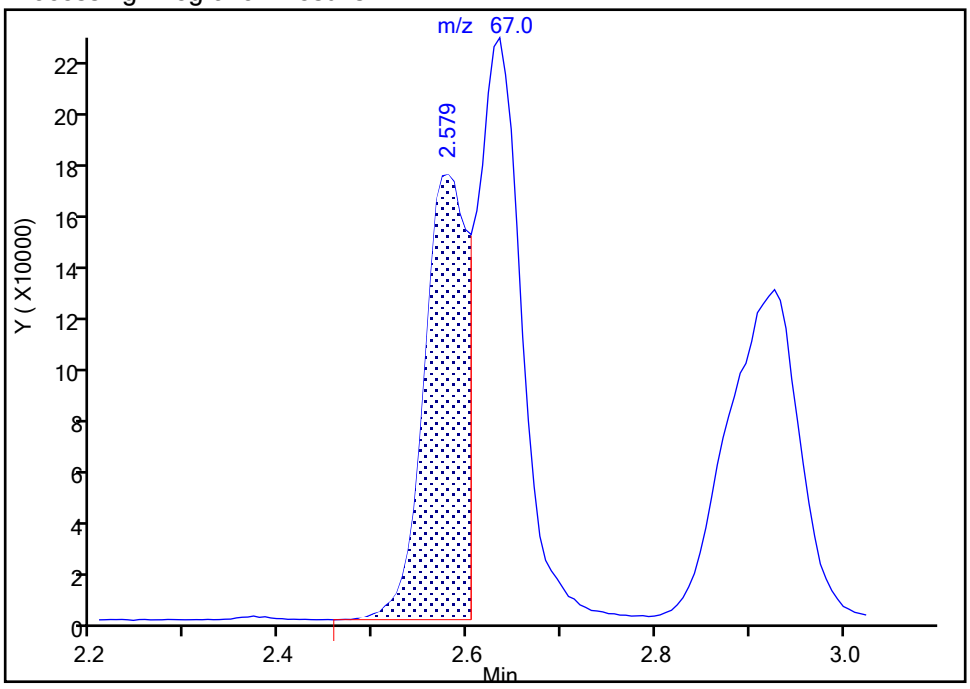
Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X17.D
Injection Date: 04-Jun-2025 22:57:30 Instrument ID: 10193
Lims ID: ICIS 10
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

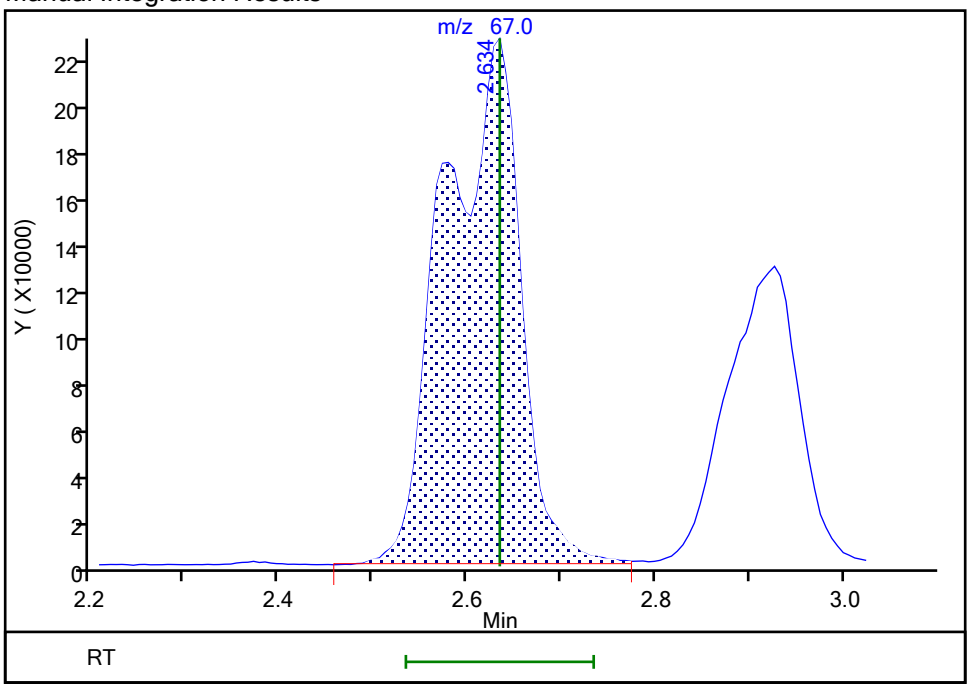
Processing Integration Results

RT: 2.58
Area: 555396
Amount: 9.568384
Amount Units: ug/l



Manual Integration Results

RT: 2.63
Area: 1243761
Amount: 9.447578
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:37:49 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

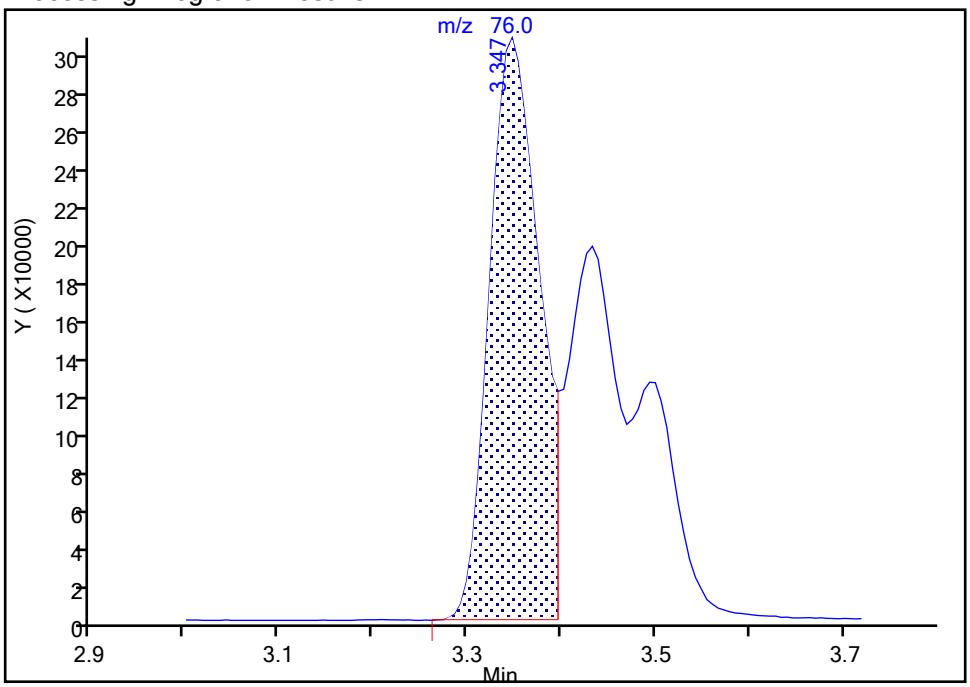
Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X17.D
Injection Date: 04-Jun-2025 22:57:30 Instrument ID: 10193
Lims ID: ICIS 10
Client ID:
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

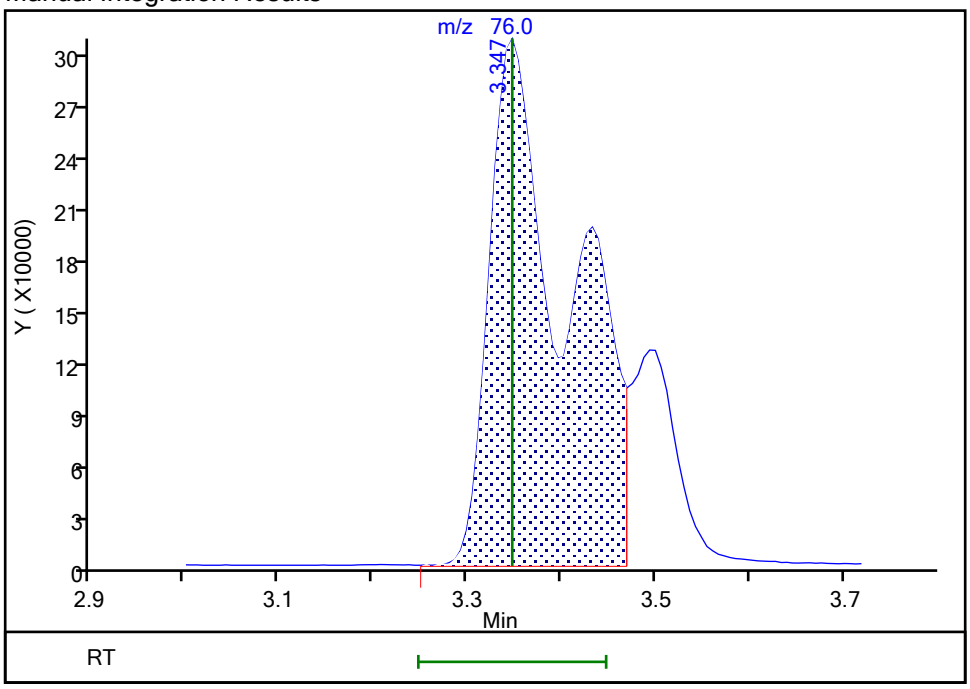
Processing Integration Results

RT: 3.35
Area: 1155340
Amount: 9.718425
Amount Units: ug/l



Manual Integration Results

RT: 3.35
Area: 1831634
Amount: 9.910833
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:09:54 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

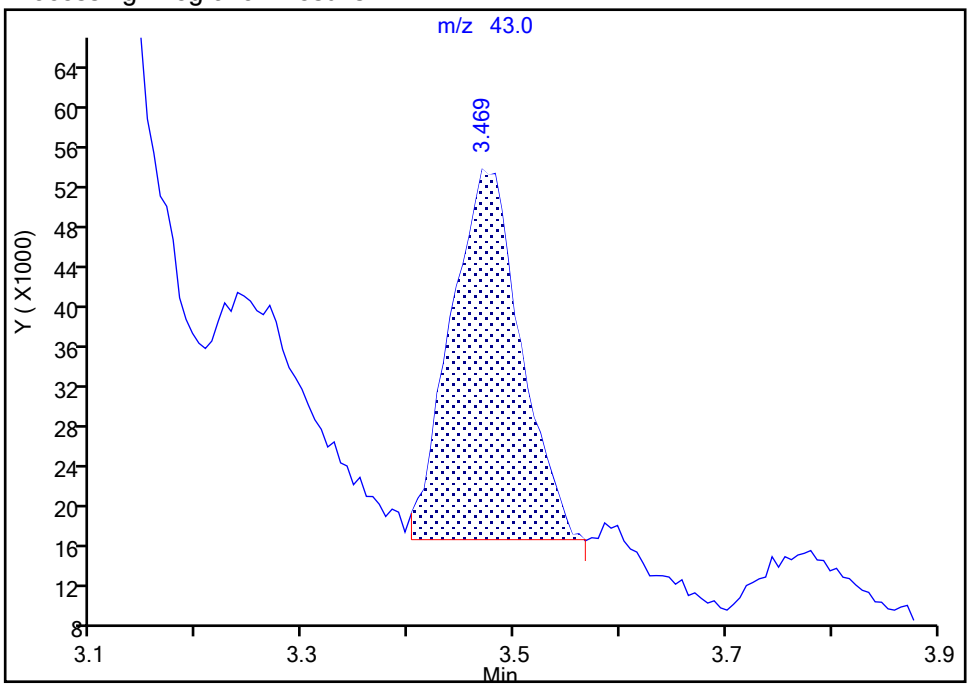
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X17.D				
Injection Date:	04-Jun-2025 22:57:30	Instrument ID:	10193		
Lims ID:	ICIS 10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

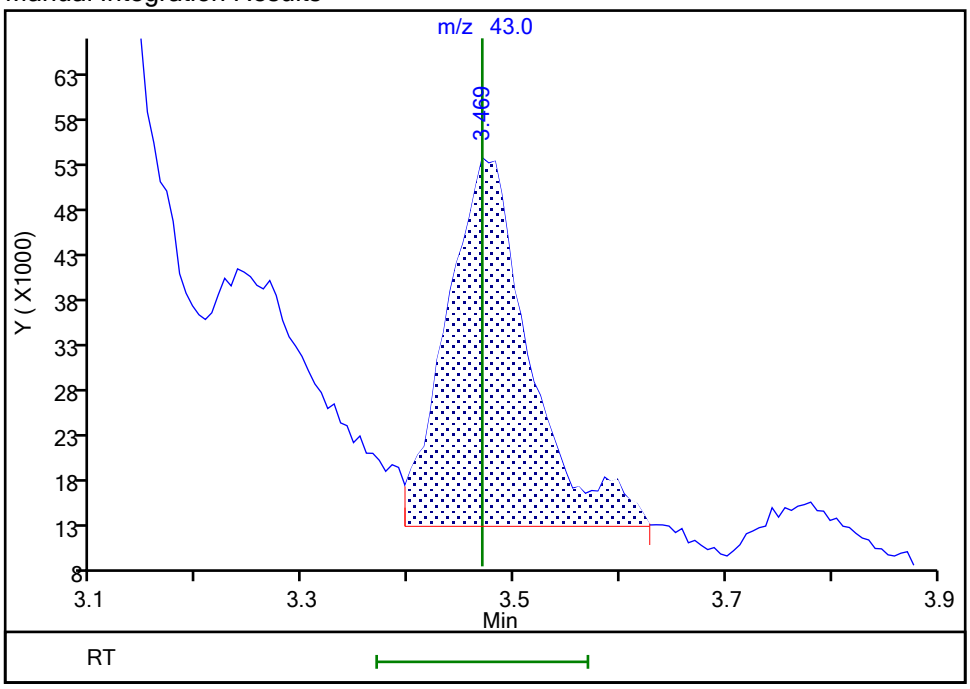
Processing Integration Results

RT: 3.47
Area: 172474
Amount: 7.303074
Amount Units: ug/l



Manual Integration Results

RT: 3.47
Area: 222342
Amount: 8.918488
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:39:48 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

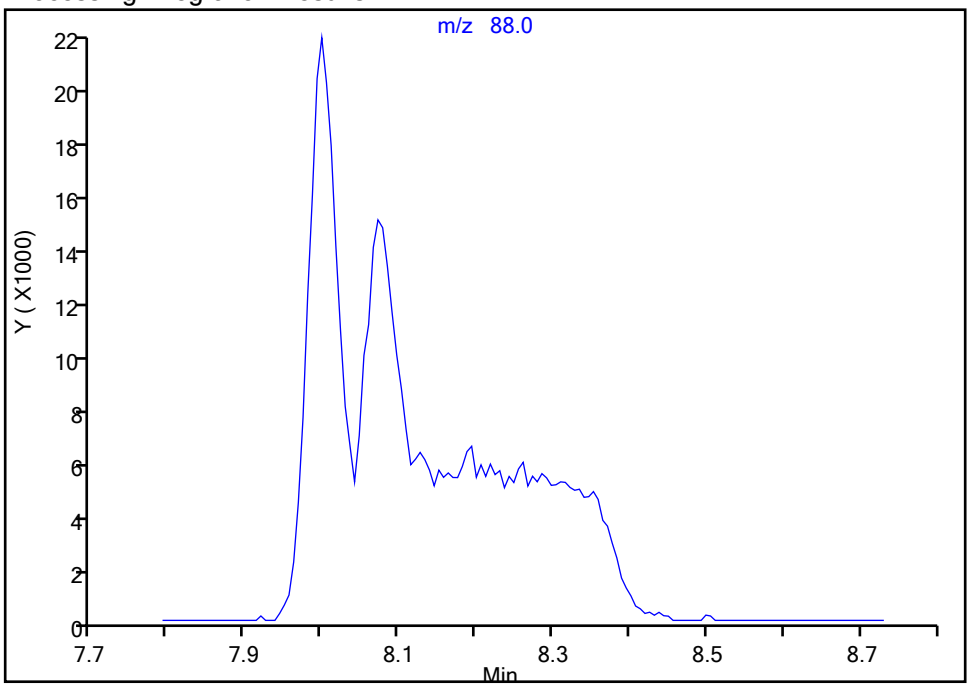
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X17.D				
Injection Date:	04-Jun-2025 22:57:30	Instrument ID:	10193		
Lims ID:	ICIS 10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

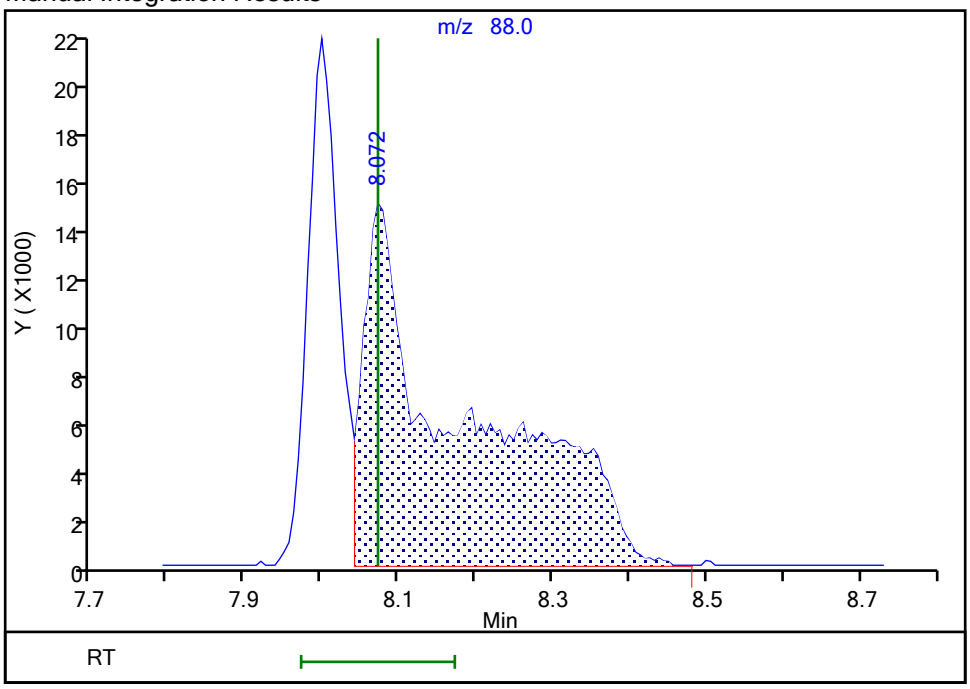
Not Detected
Expected RT: 8.07

Processing Integration Results



Manual Integration Results

RT: 8.07
Area: 133857
Amount: 486.0946
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:42:37 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D
Lims ID: IC std7 25
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 04-Jun-2025 23:20:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-019
Misc. Info.: IC STD25 LG
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:19:08 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: UKEK Date: 06-Jun-2025 08:28:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.750	1.762	-0.012	100	1910119	25.0	24.6	
5 Chloromethane	50	1.939	1.945	-0.006	100	2125456	25.0	23.1	
7 Butadiene	39	2.018	2.025	-0.007	93	2348344	25.0	22.2	
6 Vinyl chloride	62	2.037	2.043	-0.006	99	1999388	25.0	24.6	
9 Bromomethane	94	2.342	2.348	-0.006	91	1264486	25.0	24.3	
10 Chloroethane	64	2.366	2.372	-0.006	100	1082708	25.0	23.5	
11 Dichlorofluoromethane	67	2.628	2.634	-0.006	99	3236174	25.0	24.3	M
13 Pentane	43	2.634	2.646	-0.012	96	2228415	25.0	24.9	
12 Trichlorofluoromethane	101	2.671	2.677	-0.006	99	2509183	25.0	24.4	M
14 Ethyl ether	59	2.817	2.823	-0.006	93	1255788	25.0	25.6	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.921	2.927	-0.006	94	1768142	25.0	24.6	
17 Acrolein	56	2.963	2.970	-0.007	99	7658408	1219.8	1111.2	
18 1,1-Dichloroethene	96	3.085	3.098	-0.013	99	1204919	25.0	23.7	
20 Acetone	43	3.110	3.116	-0.006	99	2140201	250.0	237.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.134	3.140	-0.006	94	1330135	25.0	25.2	
24 Isopropyl alcohol	45	3.256	3.250	0.006	40	817781	500.0	478.1	M
22 Iodomethane	142	3.256	3.262	-0.006	99	2529869	25.0	24.5	
23 Ethyl bromide	108	3.274	3.280	-0.006	98	1226687	25.0	25.2	
25 Carbon disulfide	76	3.335	3.347	-0.012	100	4892051	25.0	26.2	M
26 Methyl acetate	43	3.463	3.469	-0.006	98	599138	25.0	24.7	M
29 3-Chloro-1-propene	41	3.488	3.500	-0.012	91	2470462	25.0	25.9	a
30 Methylene Chloride	84	3.652	3.658	-0.006	92	1502742	25.0	24.5	
* 31 t-Butyl alcohol-d10 (IS)	65	3.677	3.671	0.006	39	190156	50.0	50.0	
32 2-Methyl-2-propanol	59	3.768	3.774	-0.006	100	1435907	500.0	508.3	
33 Acrylonitrile	53	3.951	3.957	-0.006	99	781903	62.5	59.3	
34 Methyl tert-butyl ether	73	4.012	4.018	-0.006	95	4332630	25.0	25.0	
35 trans-1,2-Dichloroethene	96	4.006	4.018	-0.012	99	1563294	25.0	25.0	
36 Hexane	57	4.408	4.414	-0.006	94	2225357	25.0	26.1	
37 1,1-Dichloroethane	63	4.646	4.658	-0.012	97	2897243	25.0	25.4	
39 Isopropyl ether	45	4.719	4.725	-0.006	94	5349070	25.0	25.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.762	4.768	-0.006	92	2585459	25.0	25.7	
41 Tert-butyl ethyl ether	59	5.274	5.274	0.000	98	5309585	25.0	25.6	
42 2-Butanone (MEK)	43	5.475	5.475	0.000	100	4479096	250.0	259.4	
43 cis-1,2-Dichloroethene	96	5.506	5.512	-0.006	84	1806840	25.0	25.1	
44 2,2-Dichloropropane	77	5.524	5.530	-0.006	88	2164076	25.0	24.2	
45 Propionitrile	54	5.567	5.573	-0.006	98	2533586	500.0	543.8	
47 Methacrylonitrile	67	5.798	5.798	0.000	92	3870205	250.0	231.4	
48 Chlorobromomethane	128	5.847	5.853	-0.006	97	771616	25.0	24.0	
49 Tetrahydrofuran	71	5.853	5.853	0.000	88	528121	125.0	107.6	
50 Chloroform	83	6.005	6.012	-0.007	95	2899179	25.0	25.1	
S 52 1,2-Dichloroethene, Total	100				0			50.0	
$ 54 Dibromofluoromethane (Surr)	113	6.231	6.231	0.000	95	549208	10.0	9.76	
53 1,1,1-Trichloroethane	97	6.231	6.231	0.000	98	2574084	25.0	25.4	
55 Cyclohexane	56	6.329	6.329	0.000	92	2787364	25.0	25.9	
56 Carbon tetrachloride	117	6.444	6.444	0.000	97	2268674	25.0	26.3	
57 1,1-Dichloropropene	75	6.450	6.457	-0.007	95	2321034	25.0	25.5	
58 Isobutyl alcohol	41	6.646	6.652	-0.006	93	1472738	1250.0	1279.3	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.694	6.694	0.000	99	107416	10.0	9.25	
60 Benzene	78	6.719	6.725	-0.006	96	7005346	25.0	25.8	
61 1,2-Dichloroethane	62	6.798	6.798	0.000	98	1768362	25.0	23.9	M
64 Tert-amyl methyl ether	73	6.932	6.932	0.000	98	4721921	25.0	25.5	
* 65 Fluorobenzene (IS)	96	7.139	7.146	-0.007	99	2383670	10.0	10.0	
66 n-Heptane	43	7.164	7.164	0.000	92	2227963	25.0	26.5	
67 n-Butanol	56	7.560	7.566	-0.006	89	2647108	2187.5	2442.1	
68 Trichloroethene	95	7.633	7.633	0.000	99	1822983	25.0	25.4	
69 Methylcyclohexane	83	7.938	7.938	0.000	92	3004540	25.0	26.1	
70 1,2-Dichloropropane	63	7.968	7.975	-0.007	97	1793224	25.0	25.8	
71 2-ethoxy-2-methyl butane	87	7.999	8.005	-0.006	92	2848740	25.0	26.2	
74 1,4-Dioxane	88	8.072	8.072	0.000	86	324106	1250.0	1211.2	M
73 Methyl methacrylate	69	8.078	8.084	-0.006	90	945817	25.0	27.5	
72 Dibromomethane	93	8.084	8.084	0.000	93	880191	25.0	25.7	
76 Dichlorobromomethane	83	8.334	8.334	0.000	100	2234689	25.0	26.4	
77 2-Nitropropane	41	8.621	8.621	0.000	98	1527427	125.0	137.3	
78 1-Bromo-2-chloroethane	63	8.724	8.731	-0.007	99	1793643	25.0	26.4	
80 cis-1,3-Dichloropropene	75	8.907	8.907	0.000	95	2789224	25.0	26.8	
82 4-Methyl-2-pentanone (MIBK)	43	9.115	9.115	0.000	97	12595503	250.0	275.0	
$ 83 Toluene-d8 (Surr)	98	9.249	9.249	0.000	94	2374813	10.0	10.1	
84 Toluene	92	9.328	9.328	0.000	98	4500182	25.0	25.9	
85 trans-1,3-Dichloropropene	75	9.627	9.627	0.000	94	2407520	25.0	27.4	
86 Ethyl methacrylate	69	9.706	9.706	0.000	89	2077034	25.0	27.2	
87 1,1,2-Trichloroethane	97	9.840	9.846	-0.006	91	1266610	25.0	25.4	
88 Tetrachloroethene	166	9.925	9.925	0.000	98	2034654	25.0	25.2	
89 1,3-Dichloropropane	76	10.017	10.017	0.000	92	2211341	25.0	26.1	
S 107 1,3-Dichloropropene, Total	100				0			54.2	
106 2-Hexanone	43	10.090	10.090	0.000	96	9124749	250.0	278.5	
108 Chlorodibromomethane	129	10.242	10.242	0.000	90	1686150	25.0	27.7	
110 Ethylene Dibromide	107	10.352	10.352	0.000	98	1291218	25.0	26.7	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.816	-0.001	87	1791241	10.0	10.0	
112 1-Chlorohexane	91	10.834	10.834	0.000	98	2445378	25.0	25.1	
113 Chlorobenzene	112	10.840	10.840	0.000	94	5044757	25.0	25.3	
114 1,1,1,2-Tetrachloroethane	131	10.931	10.931	0.000	97	1799576	25.0	26.6	
115 Ethylbenzene	91	10.937	10.937	0.000	98	9005284	25.0	26.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.059	11.059	0.000	97	7024802	50.0	52.3	
S 117 Xylenes, Total	106				0			78.1	
118 o-Xylene	106	11.401	11.401	0.000	97	3426341	25.0	25.8	
119 Styrene	104	11.419	11.419	0.000	95	5865468	25.0	26.6	
120 Bromoform	173	11.578	11.578	0.000	97	1023710	25.0	28.9	
121 Isopropylbenzene	105	11.718	11.718	0.000	96	7994918	25.0	26.2	
$ 124 4-Bromofluorobenzene (Surr)	95	11.864	11.864	0.000	92	907728	10.0	10.2	
126 1,1,2,2-Tetrachloroethane	83	11.980	11.980	0.000	91	1671405	25.0	25.5	
125 Bromobenzene	156	11.980	11.980	0.000	92	2255347	25.0	24.5	
127 trans-1,4-Dichloro-2-butene	53	12.004	12.004	0.000	94	4558072	250.0	290.9	
128 1,2,3-Trichloropropane	110	12.023	12.023	0.000	84	450975	25.0	25.1	
129 N-Propylbenzene	91	12.059	12.059	0.000	98	10638326	25.0	24.9	
130 2-Chlorotoluene	126	12.132	12.132	0.000	96	2179924	25.0	24.8	
131 1,3,5-Trimethylbenzene	105	12.199	12.199	0.000	94	7931026	25.0	25.7	
132 4-Chlorotoluene	126	12.230	12.230	0.000	98	2280252	25.0	25.0	
133 tert-Butylbenzene	134	12.449	12.449	0.000	93	1770290	25.0	25.0	
134 Pentachloroethane	167	12.480	12.474	0.006	94	1503708	25.0	27.6	
135 1,2,4-Trimethylbenzene	105	12.492	12.492	0.000	98	8242089	25.0	25.9	
136 sec-Butylbenzene	105	12.614	12.614	0.000	96	9944673	25.0	25.2	
137 1,3-Dichlorobenzene	146	12.711	12.712	-0.001	98	4552267	25.0	25.8	
138 4-Isopropyltoluene	119	12.730	12.730	0.000	97	8792472	25.0	25.5	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.766	0.000	95	1035762	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.785	12.785	0.000	94	4594565	25.0	25.0	
141 1,2,3-Trimethylbenzene	120	12.803	12.803	0.000	99	3654193	25.0	25.5	
142 Benzyl chloride	126	12.870	12.870	0.000	99	635228	25.0	27.6	
145 p-Diethylbenzene	119	13.010	13.004	0.006	93	5512365	25.0	26.4	
143 n-Butylbenzene	92	13.028	13.029	0.000	98	4432606	25.0	26.7	
144 1,2-Dichlorobenzene	146	13.053	13.053	0.000	98	4163188	25.0	25.9	
148 1,2-Dibromo-3-Chloropropane	155	13.608	13.608	0.000	87	251795	25.0	28.8	
149 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	98	3431609	25.0	27.8	
150 1,2,4-Trichlorobenzene	180	14.162	14.169	-0.007	94	2813772	25.0	30.1	
151 Hexachlorobutadiene	225	14.254	14.254	0.000	97	1403830	25.0	26.9	
152 Naphthalene	128	14.345	14.345	0.000	97	4803722	25.0	31.5	
153 1,2,3-Trichlorobenzene	180	14.492	14.492	0.000	96	2202657	25.0	30.5	
154 2-Methylnaphthalene	142	15.101	15.101	0.000	92	1928909	25.0	25.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00168	Amount Added: 25.00	Units: uL	
MSV_LL_#2_826_00181	Amount Added: 25.00	Units: uL	
MSV_LL_GAS826_00274	Amount Added: 25.00	Units: uL	
MSV_HP25_ISSS_00114	Amount Added: 1.00	Units: uL	Run Reagent

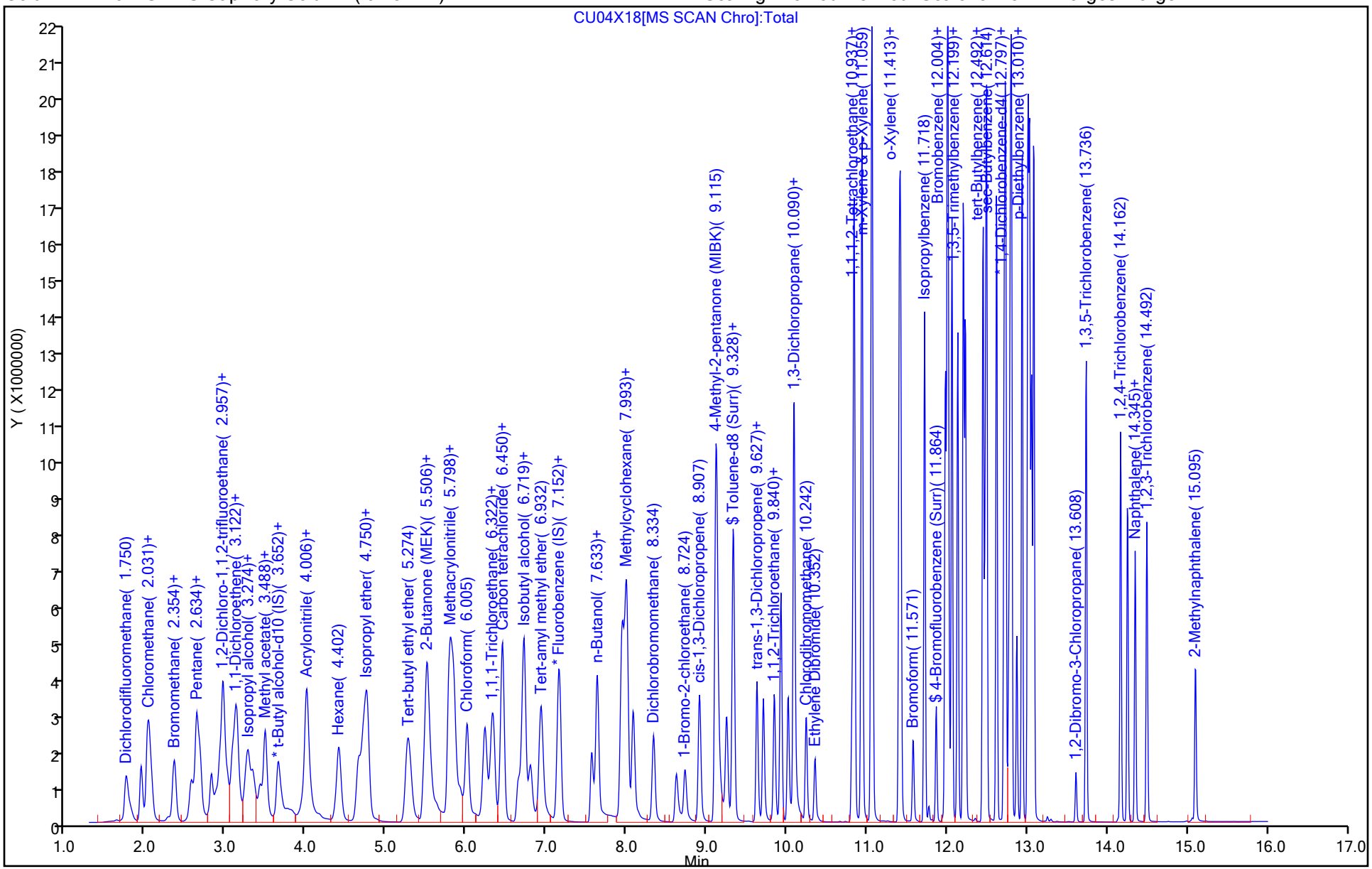
Report Date: 06-Jun-2025 09:19:09 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Injection Date:	04-Jun-2025 23:20:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC std7 25			Worklist Smp#:	19
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

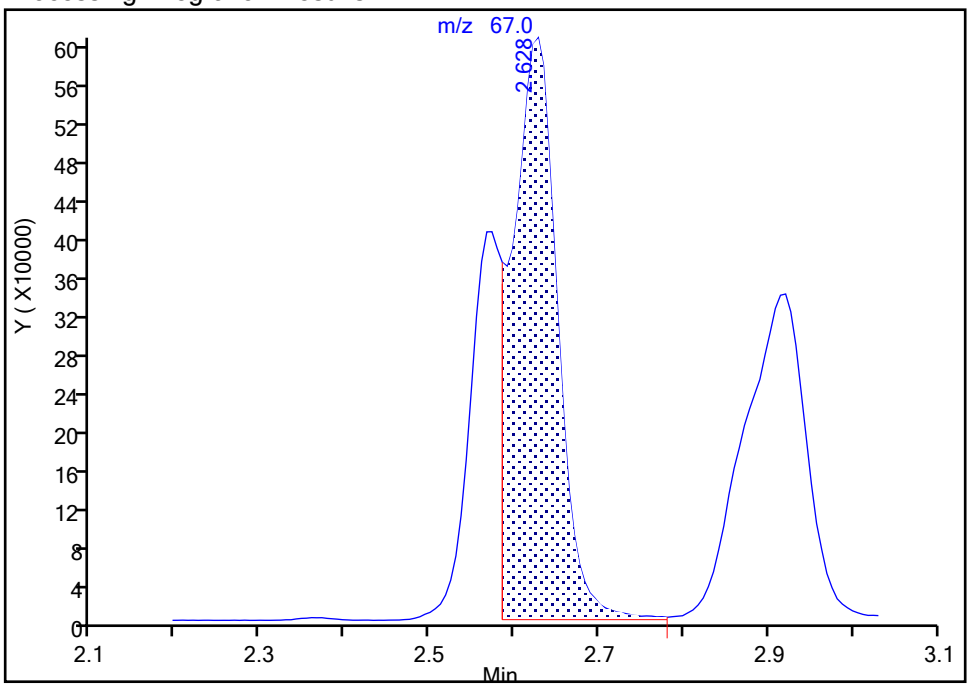
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Injection Date:	04-Jun-2025 23:20:30	Instrument ID:	10193		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

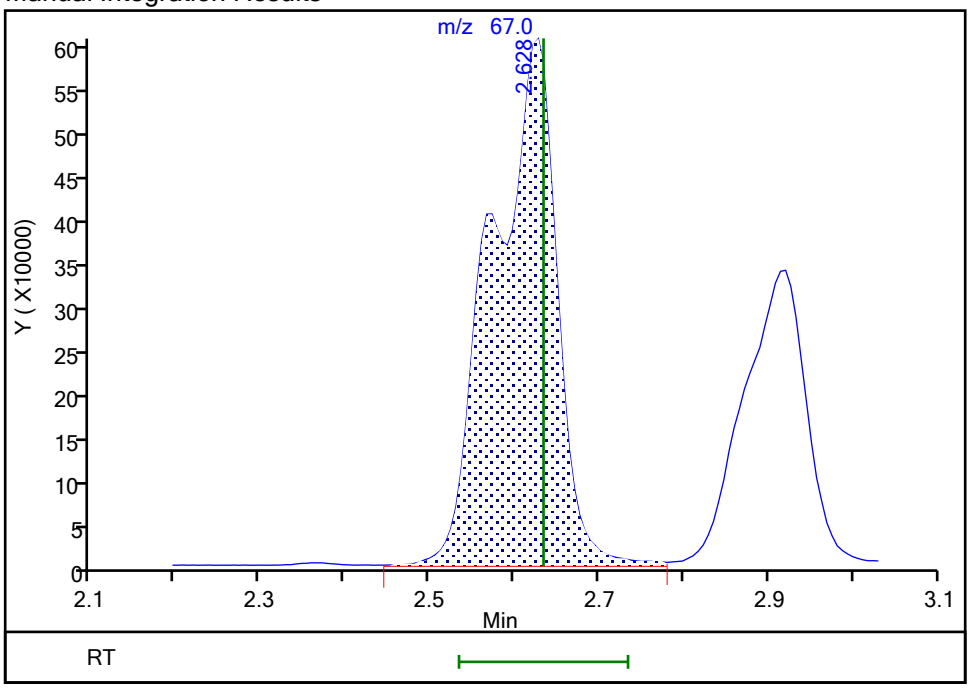
Processing Integration Results

RT: 2.63
Area: 2285913
Amount: 26.577017
Amount Units: ug/l



Manual Integration Results

RT: 2.63
Area: 3236174
Amount: 24.304231
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:44:49 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

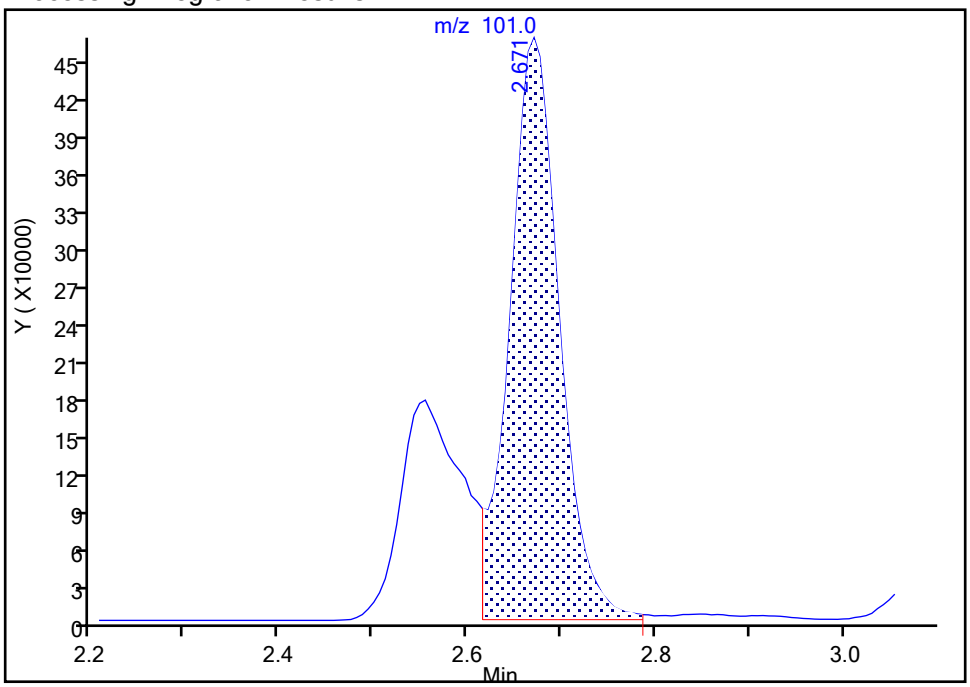
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Injection Date:	04-Jun-2025 23:20:30	Instrument ID:	10193		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

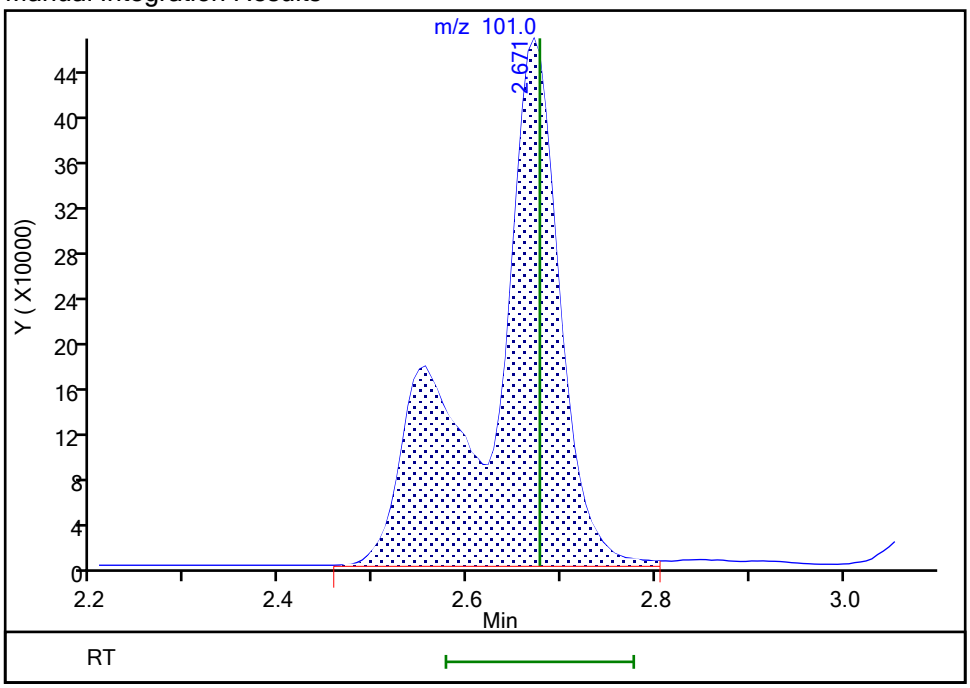
Processing Integration Results

RT: 2.67
Area: 1724805
Amount: 19.765113
Amount Units: ug/l



Manual Integration Results

RT: 2.67
Area: 2509183
Amount: 24.384771
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:07:43 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

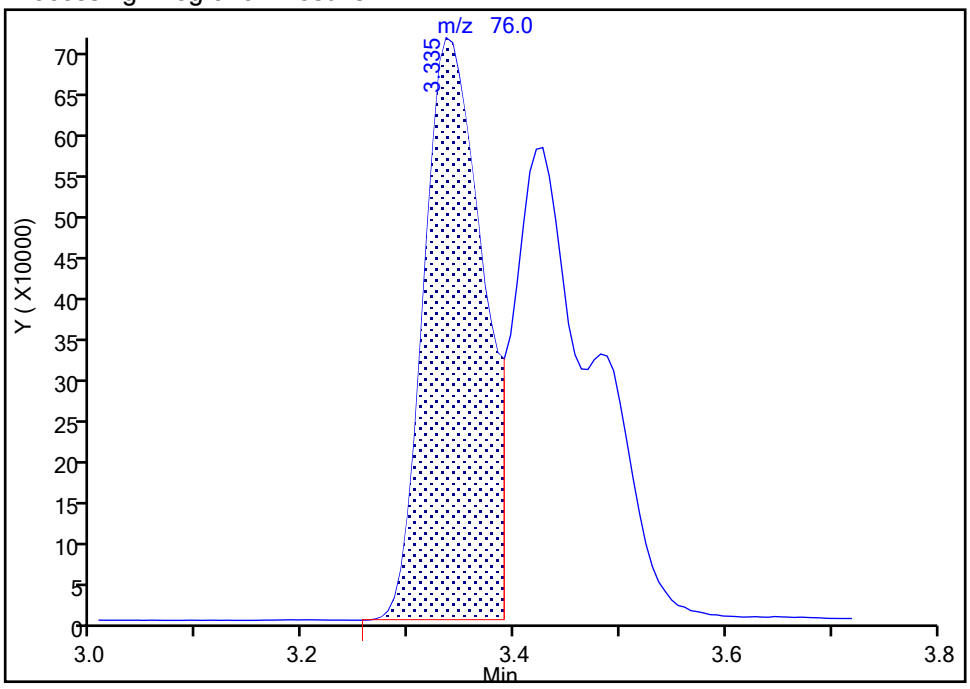
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Injection Date:	04-Jun-2025 23:20:30	Instrument ID:	10193		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

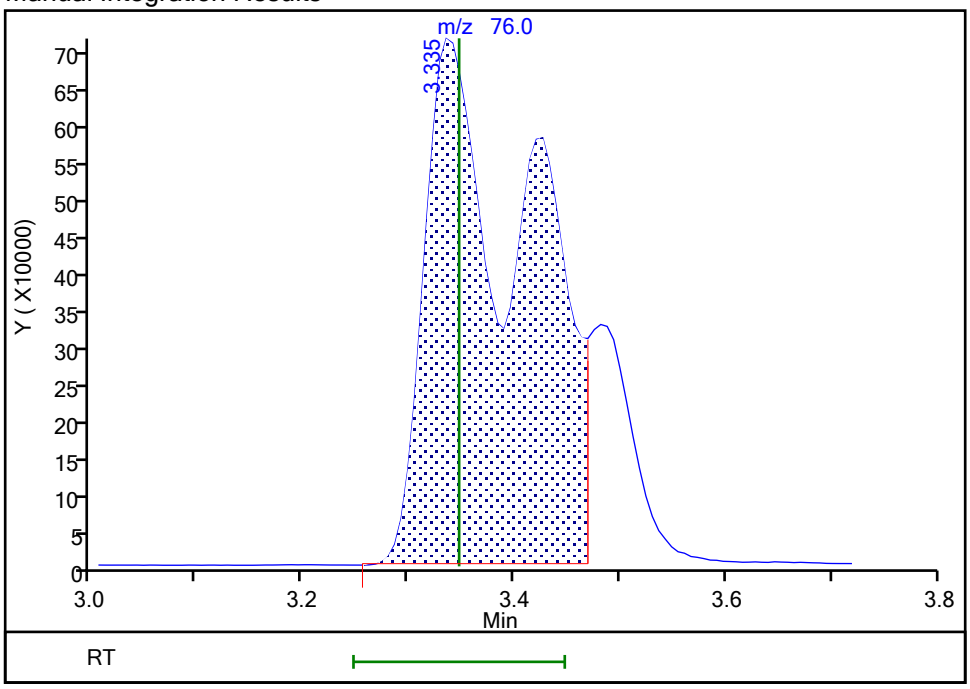
Processing Integration Results

RT: 3.34
Area: 2810849
Amount: 21.639210
Amount Units: ug/l



Manual Integration Results

RT: 3.34
Area: 4892051
Amount: 26.171517
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:45:25 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

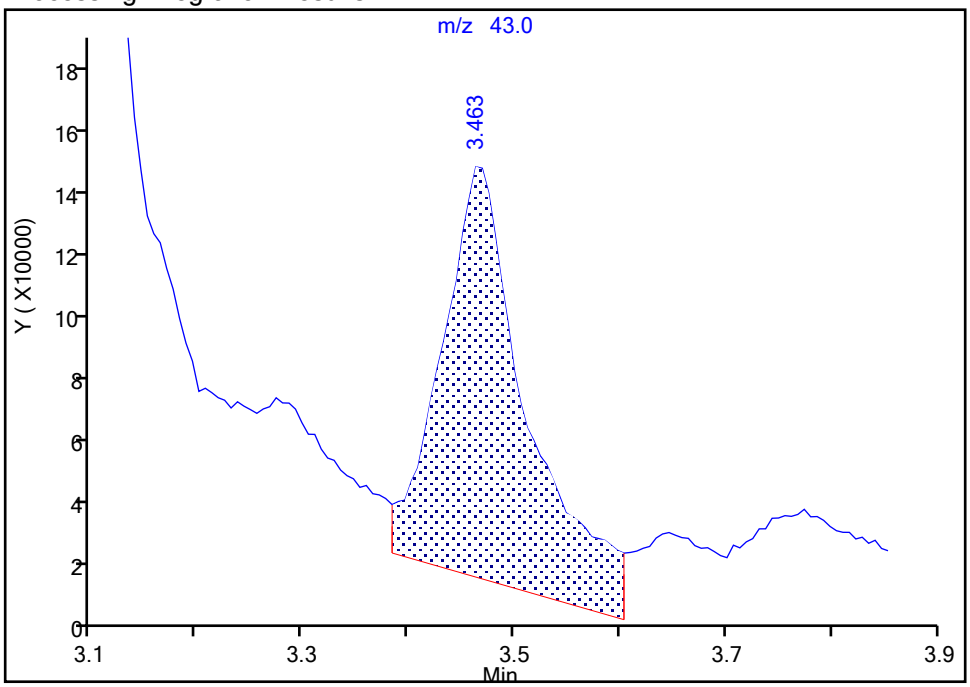
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Injection Date:	04-Jun-2025 23:20:30	Instrument ID:	10193		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

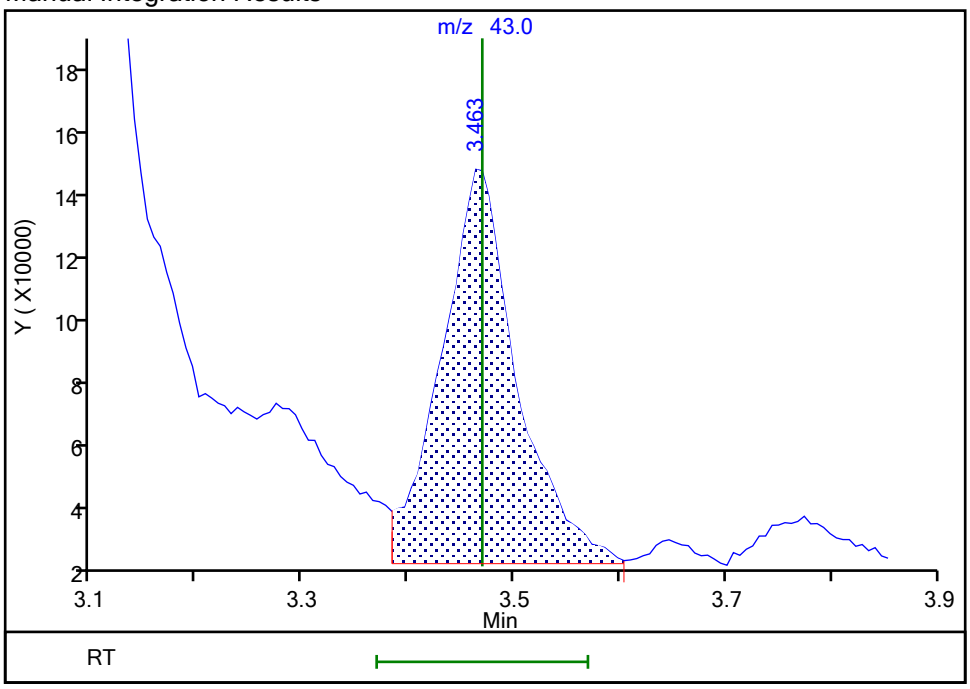
Processing Integration Results

RT: 3.46
Area: 727479
Amount: 34.354643
Amount Units: ug/l



Manual Integration Results

RT: 3.46
Area: 599138
Amount: 24.731391
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:45:31 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

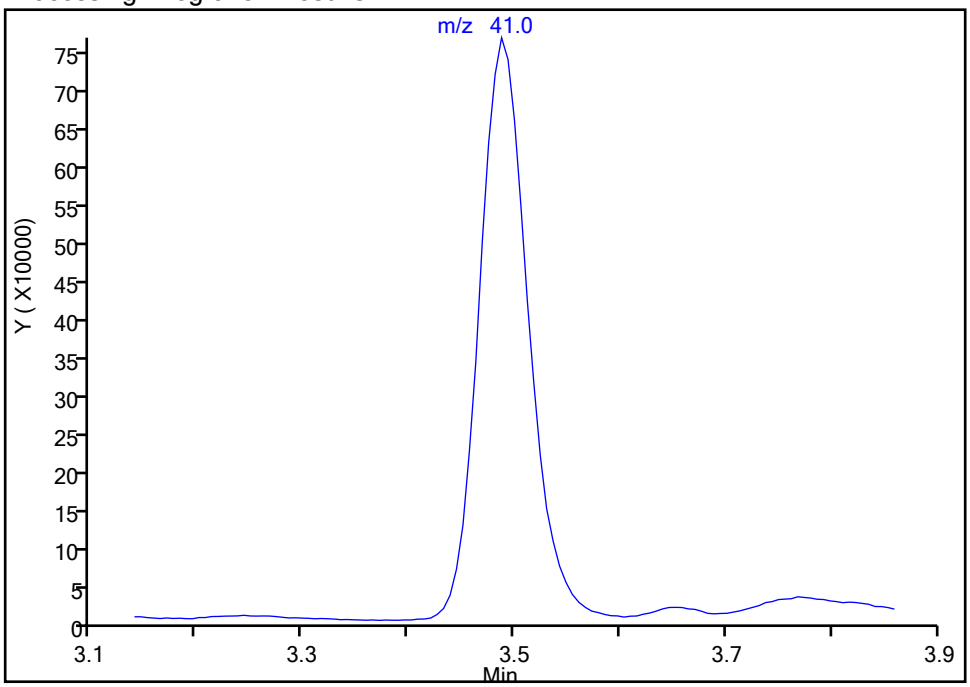
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Injection Date:	04-Jun-2025 23:20:30	Instrument ID:	10193		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

29 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

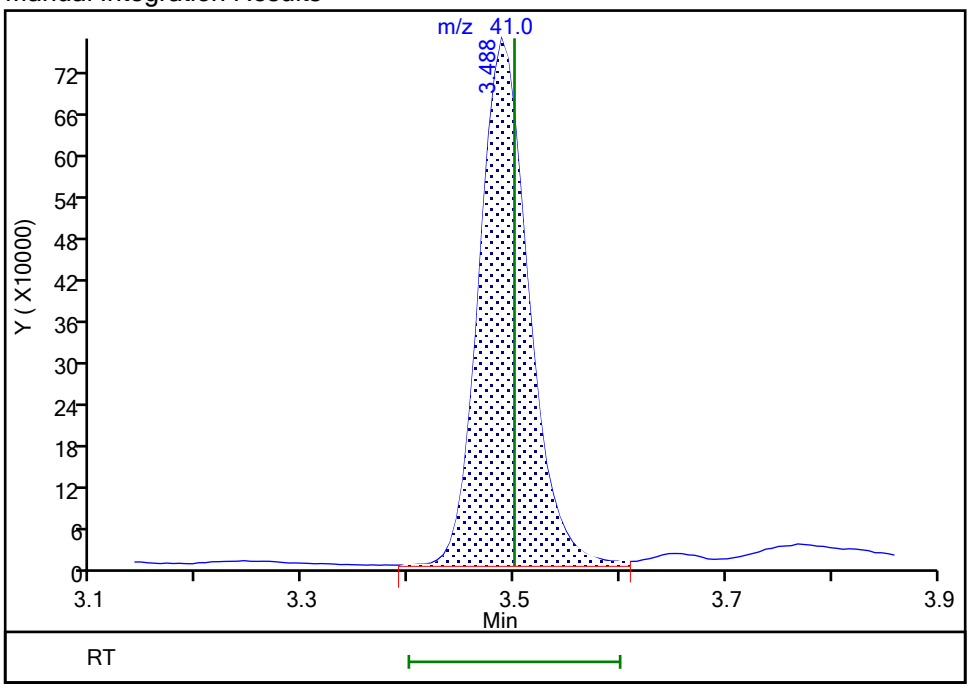
Not Detected
Expected RT: 3.50

Processing Integration Results



Manual Integration Results

RT: 3.49
Area: 2470462
Amount: 25.868571
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:45:36 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

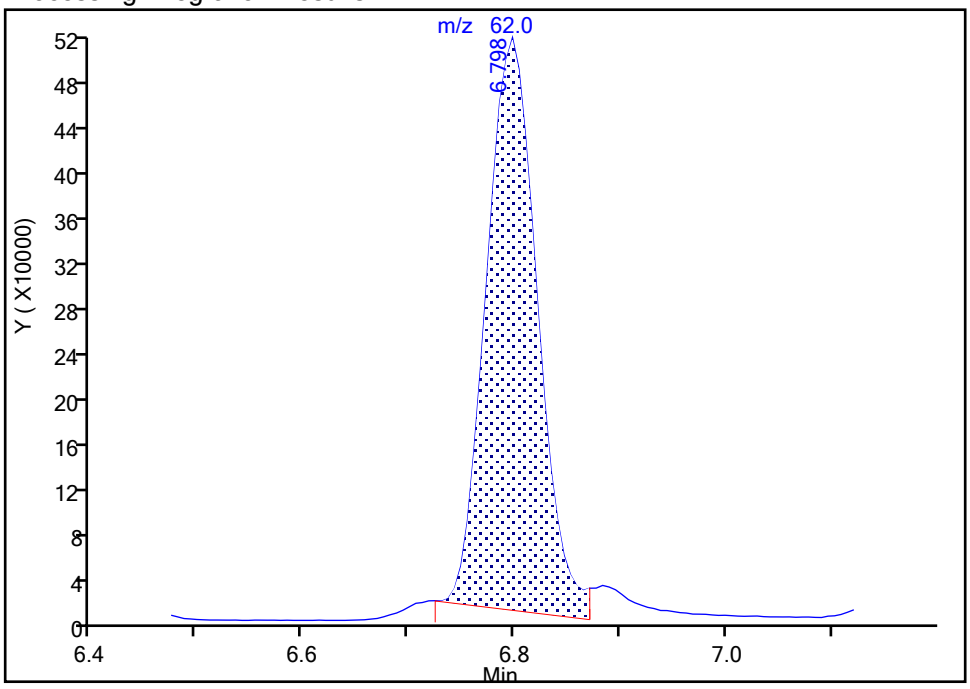
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Injection Date:	04-Jun-2025 23:20:30	Instrument ID:	10193		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

61 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

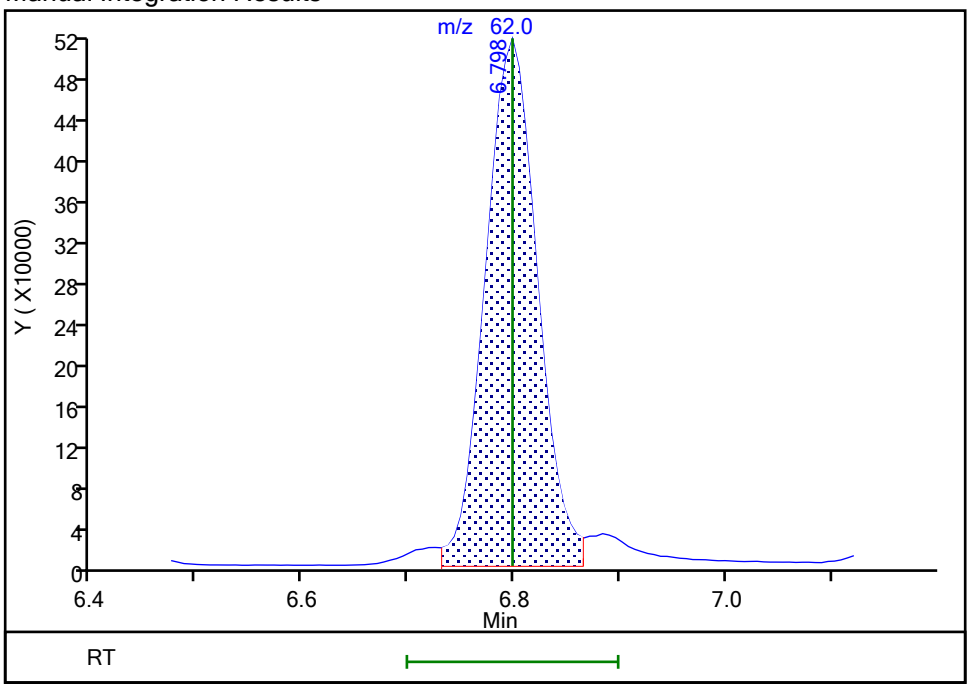
Processing Integration Results

RT: 6.80
Area: 1703860
Amount: 22.965269
Amount Units: ug/l



Manual Integration Results

RT: 6.80
Area: 1768362
Amount: 23.850213
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:27:36 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

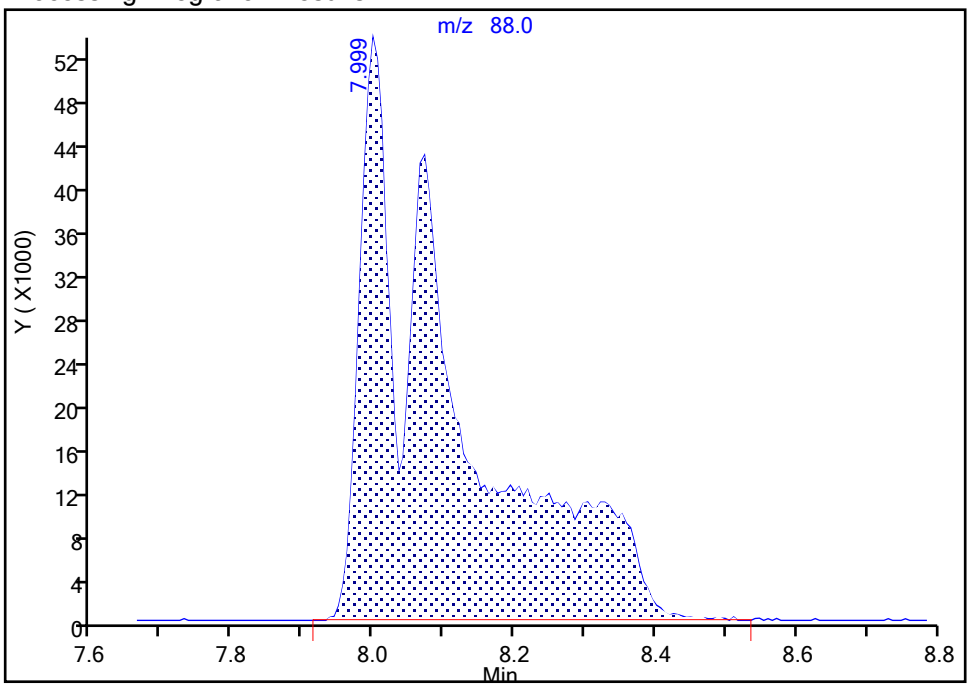
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Injection Date:	04-Jun-2025 23:20:30	Instrument ID:	10193		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

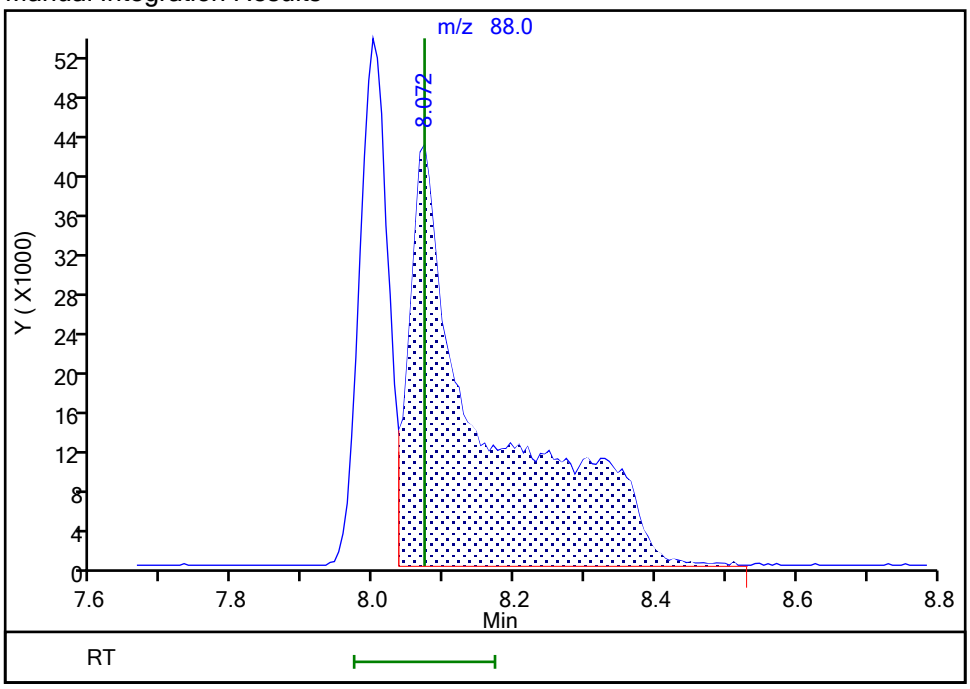
Processing Integration Results

RT: 8.00
Area: 470587
Amount: 1597.4757
Amount Units: ug/l



Manual Integration Results

RT: 8.07
Area: 324106
Amount: 1211.2079
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:32:55 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Other

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

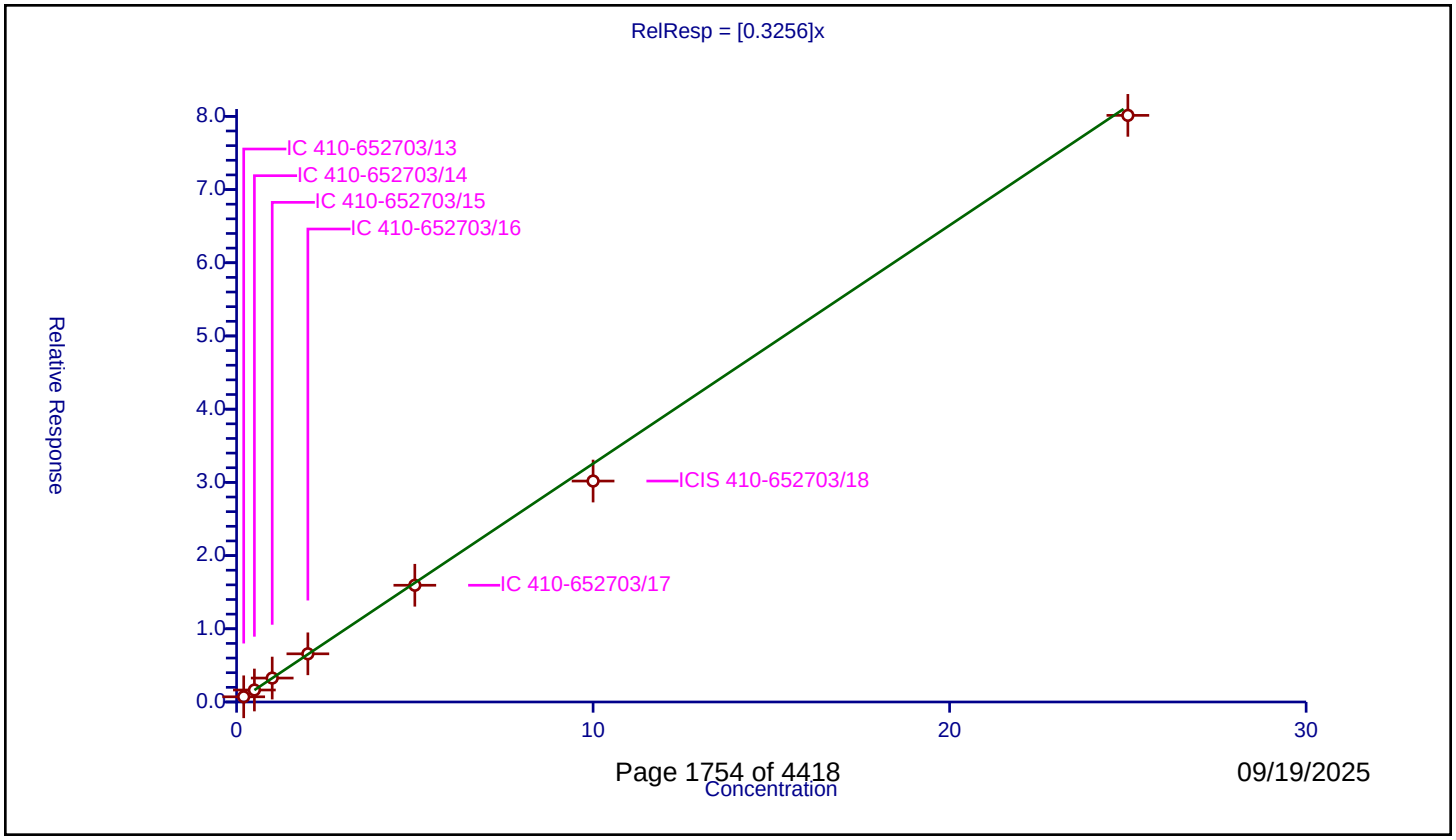
Curve Coefficients

Intercept:	0
Slope:	0.3256

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.070898	10.0	2284843.0	0.354488	Y
2	IC 410-652703/14	0.5	0.163657	10.0	2238774.0	0.327313	Y
3	IC 410-652703/15	1.0	0.326891	10.0	2276632.0	0.326891	Y
4	IC 410-652703/16	2.0	0.658129	10.0	2320746.0	0.329064	Y
5	IC 410-652703/17	5.0	1.594604	10.0	2313176.0	0.318921	Y
6	ICIS 410-652703/18	10.0	3.018209	10.0	2356745.0	0.301821	Y
7	IC 410-652703/19	25.0	8.013353	10.0	2383670.0	0.320534	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

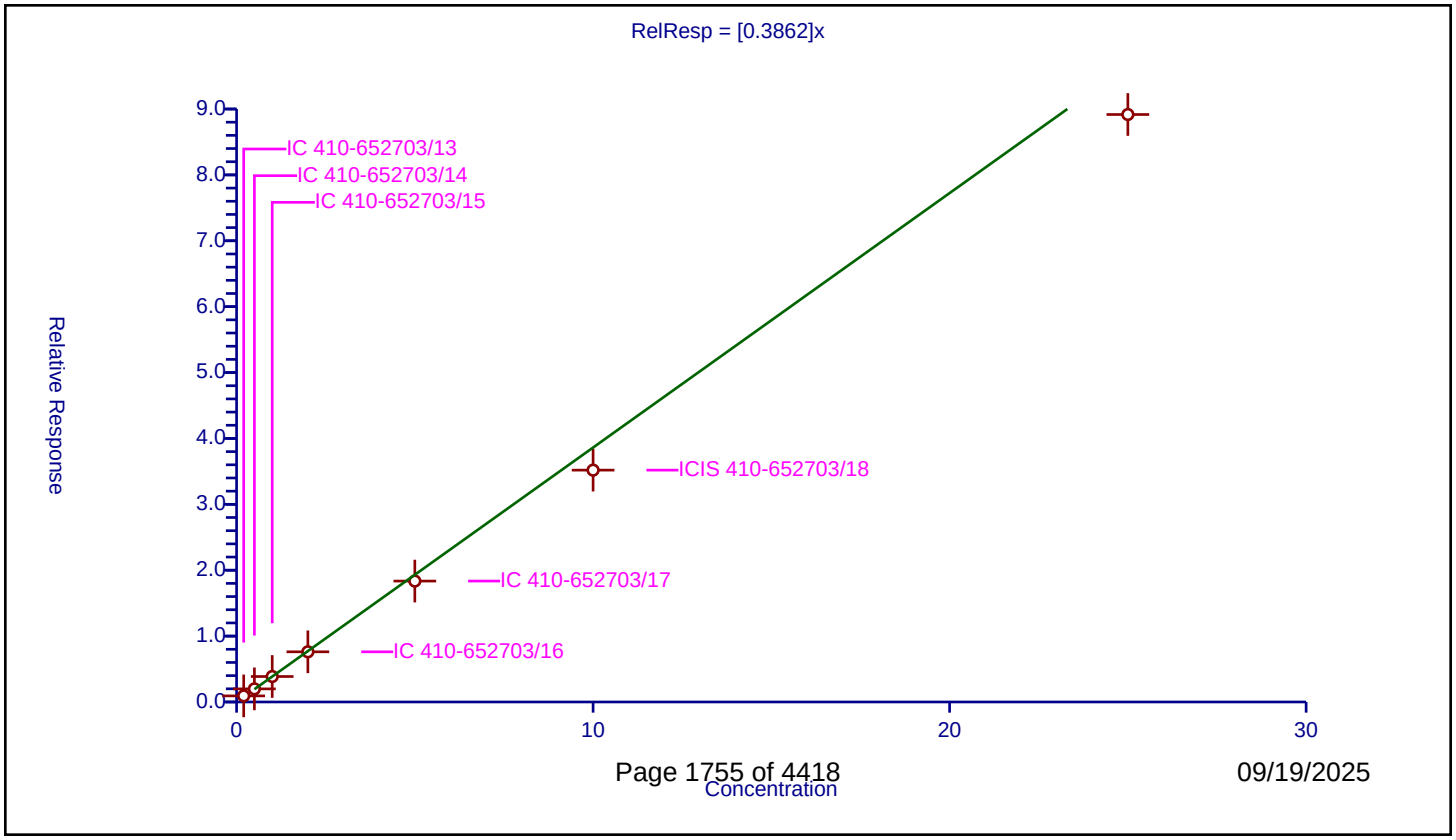
Curve Coefficients

Intercept:	0
Slope:	0.3862

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.092518	10.0	2284843.0	0.462592	Y
2	IC 410-652703/14	0.5	0.19885	10.0	2238774.0	0.3977	Y
3	IC 410-652703/15	1.0	0.386751	10.0	2276632.0	0.386751	Y
4	IC 410-652703/16	2.0	0.761445	10.0	2320746.0	0.380722	Y
5	IC 410-652703/17	5.0	1.835347	10.0	2313176.0	0.367069	Y
6	ICIS 410-652703/18	10.0	3.518947	10.0	2356745.0	0.351895	Y
7	IC 410-652703/19	25.0	8.916738	10.0	2383670.0	0.35667	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

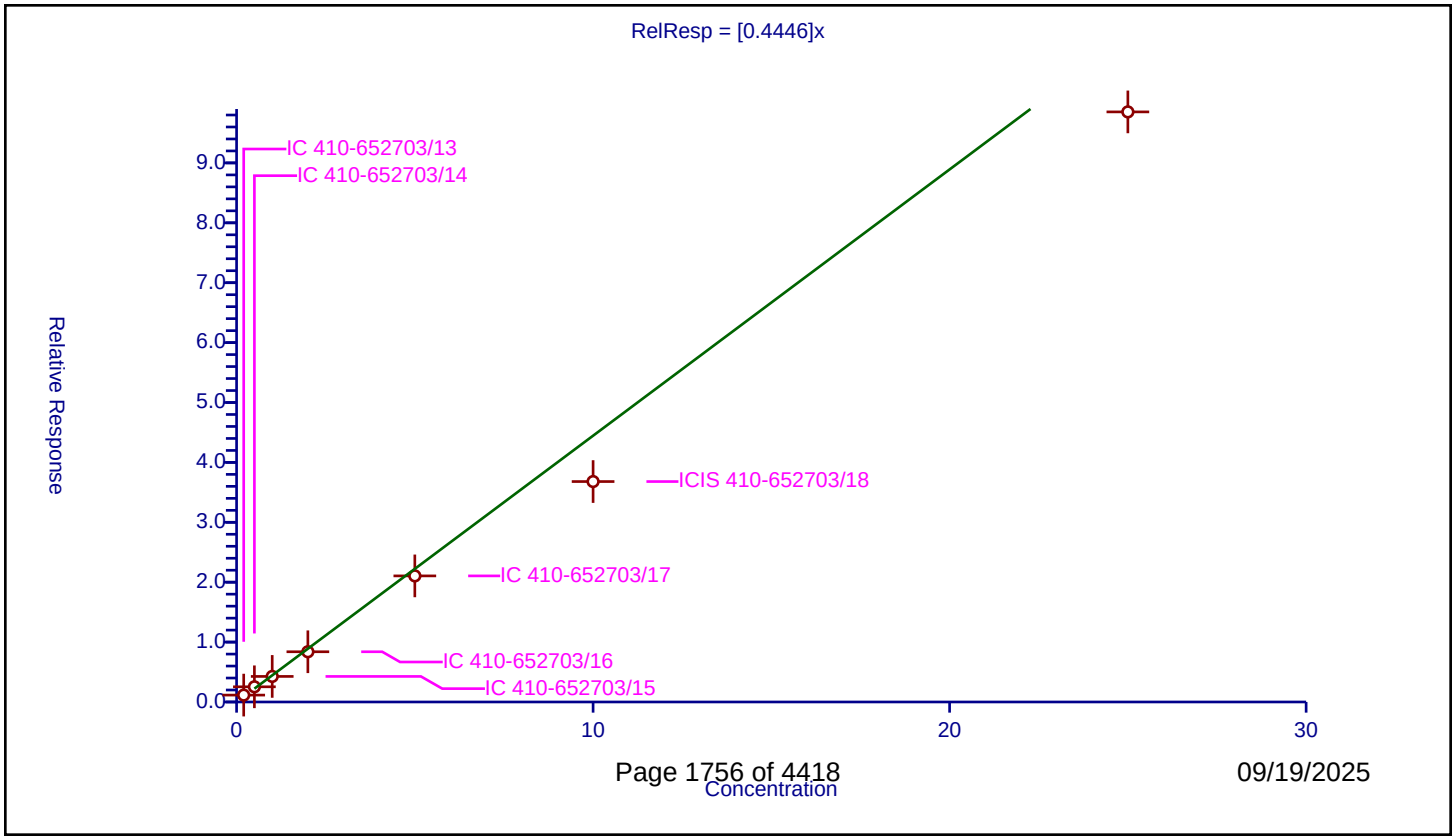
Curve Coefficients

Intercept:	0
Slope:	0.4446

Error Coefficients

Relative Standard Deviation:	16.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.115133	10.0	2284843.0	0.575663	Y
2	IC 410-652703/14	0.5	0.253465	10.0	2238774.0	0.506929	Y
3	IC 410-652703/15	1.0	0.426938	10.0	2276632.0	0.426938	Y
4	IC 410-652703/16	2.0	0.838411	10.0	2320746.0	0.419206	Y
5	IC 410-652703/17	5.0	2.105387	10.0	2313176.0	0.421077	Y
6	ICIS 410-652703/18	10.0	3.680411	10.0	2356745.0	0.368041	Y
7	IC 410-652703/19	25.0	9.8518	10.0	2383670.0	0.394072	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

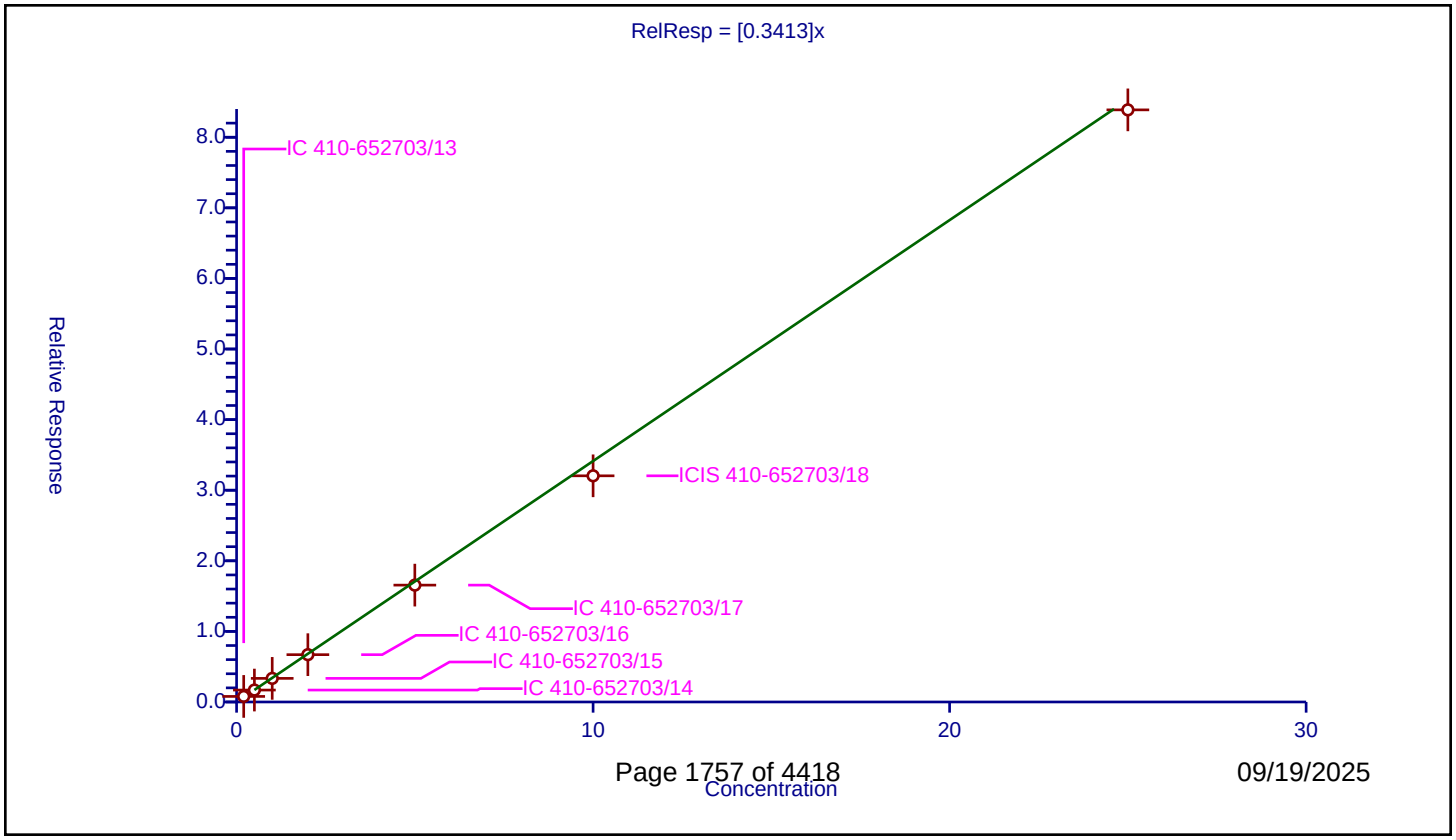
Curve Coefficients

Intercept:	0
Slope:	0.3413

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.078763	10.0	2284843.0	0.393813	Y
2	IC 410-652703/14	0.5	0.169227	10.0	2238774.0	0.338453	Y
3	IC 410-652703/15	1.0	0.334674	10.0	2276632.0	0.334674	Y
4	IC 410-652703/16	2.0	0.670388	10.0	2320746.0	0.335194	Y
5	IC 410-652703/17	5.0	1.655624	10.0	2313176.0	0.331125	Y
6	ICIS 410-652703/18	10.0	3.204084	10.0	2356745.0	0.320408	Y
7	IC 410-652703/19	25.0	8.387856	10.0	2383670.0	0.335514	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

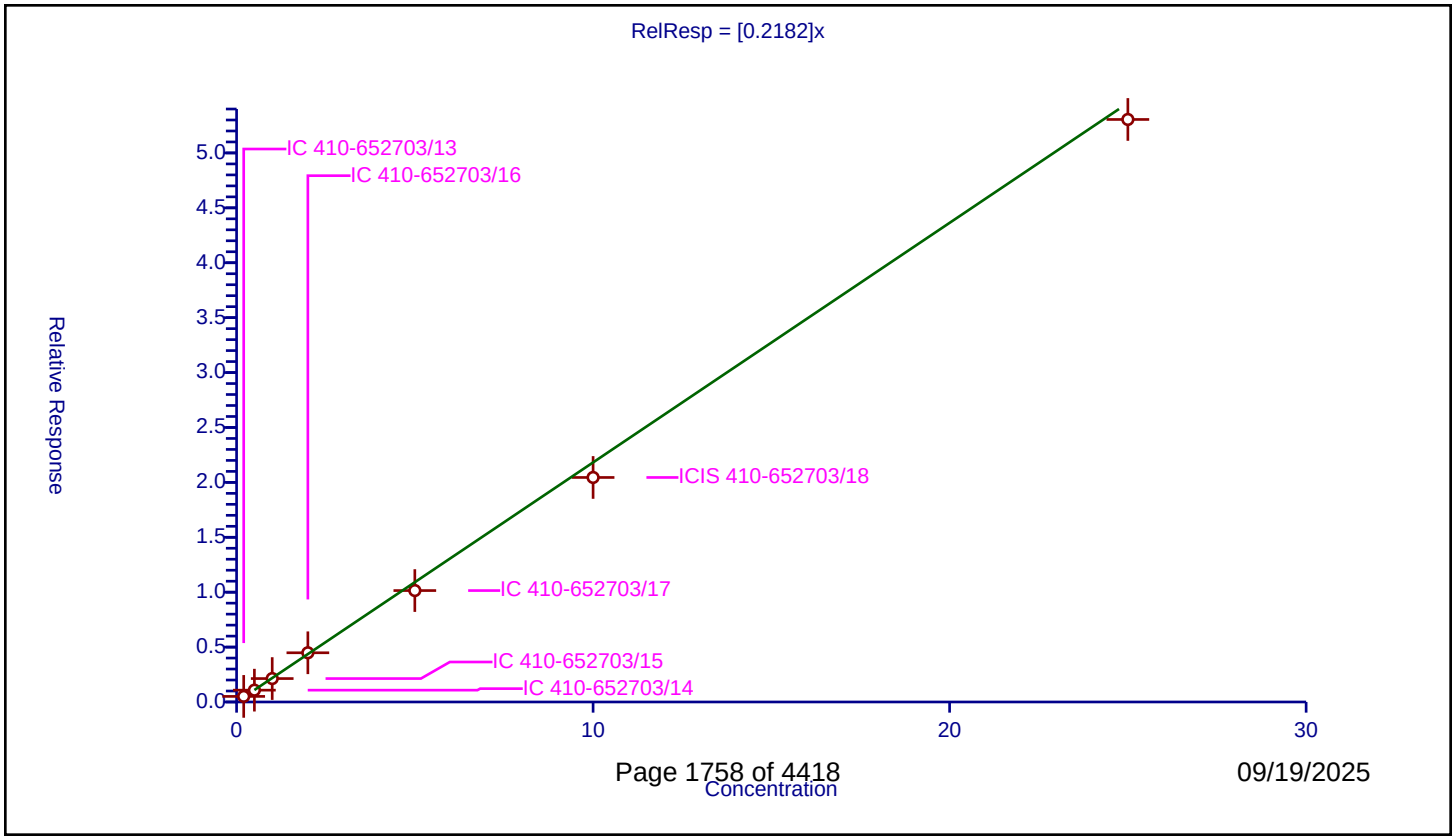
Curve Coefficients

Intercept:	0
Slope:	0.2182

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.050953	10.0	2284843.0	0.254766	Y
2	IC 410-652703/14	0.5	0.107671	10.0	2238774.0	0.215341	Y
3	IC 410-652703/15	1.0	0.213337	10.0	2276632.0	0.213337	Y
4	IC 410-652703/16	2.0	0.448239	10.0	2320746.0	0.22412	Y
5	IC 410-652703/17	5.0	1.014756	10.0	2313176.0	0.202951	Y
6	ICIS 410-652703/18	10.0	2.044727	10.0	2356745.0	0.204473	Y
7	IC 410-652703/19	25.0	5.304786	10.0	2383670.0	0.212191	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

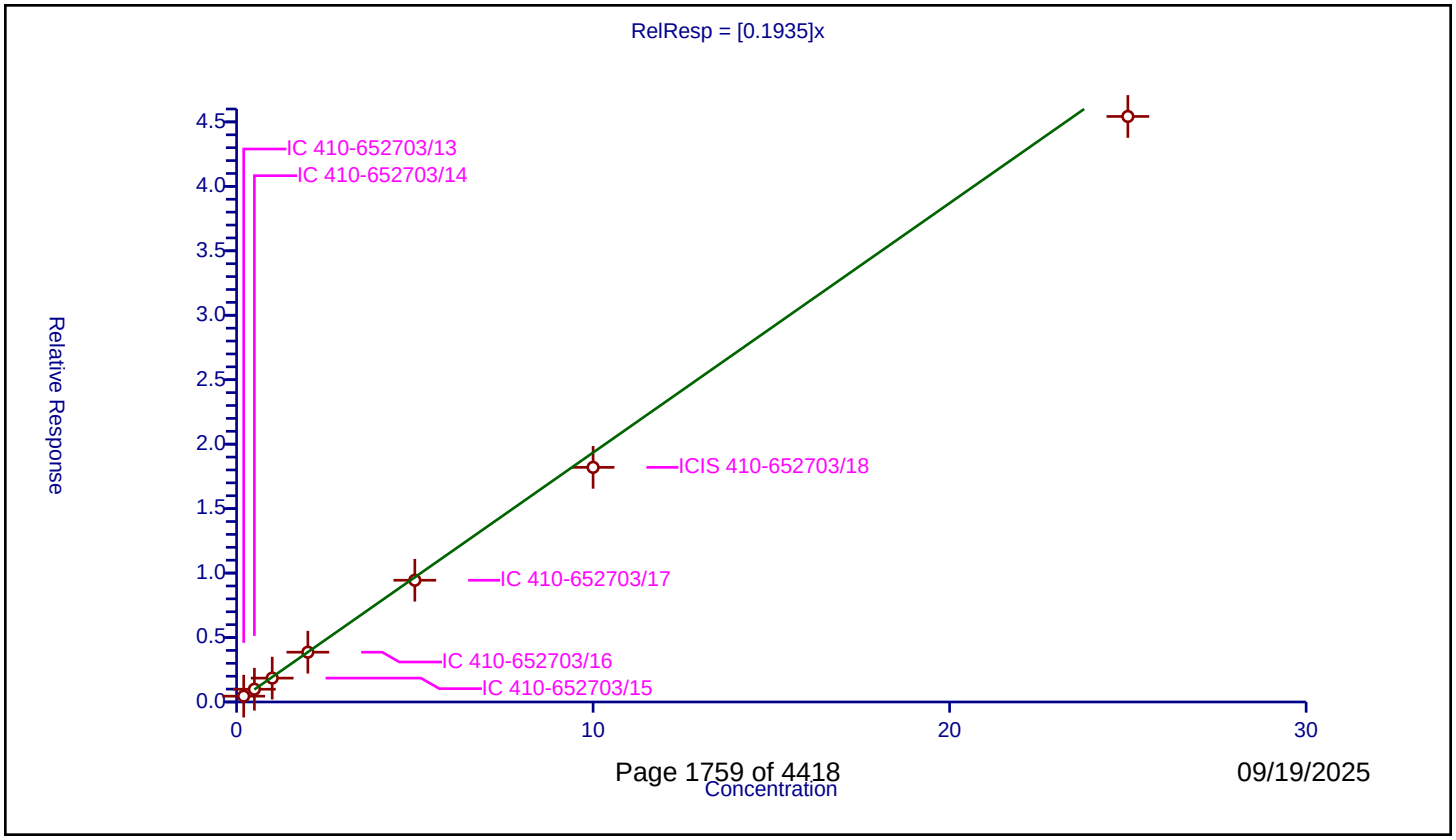
Curve Coefficients

Intercept:	0
Slope:	0.1935

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.045102	10.0	2284843.0	0.225508	Y
2	IC 410-652703/14	0.5	0.099001	10.0	2238774.0	0.198001	Y
3	IC 410-652703/15	1.0	0.185151	10.0	2276632.0	0.185151	Y
4	IC 410-652703/16	2.0	0.386307	10.0	2320746.0	0.193153	Y
5	IC 410-652703/17	5.0	0.944494	10.0	2313176.0	0.188899	Y
6	ICIS 410-652703/18	10.0	1.820044	10.0	2356745.0	0.182004	Y
7	IC 410-652703/19	25.0	4.542189	10.0	2383670.0	0.181688	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

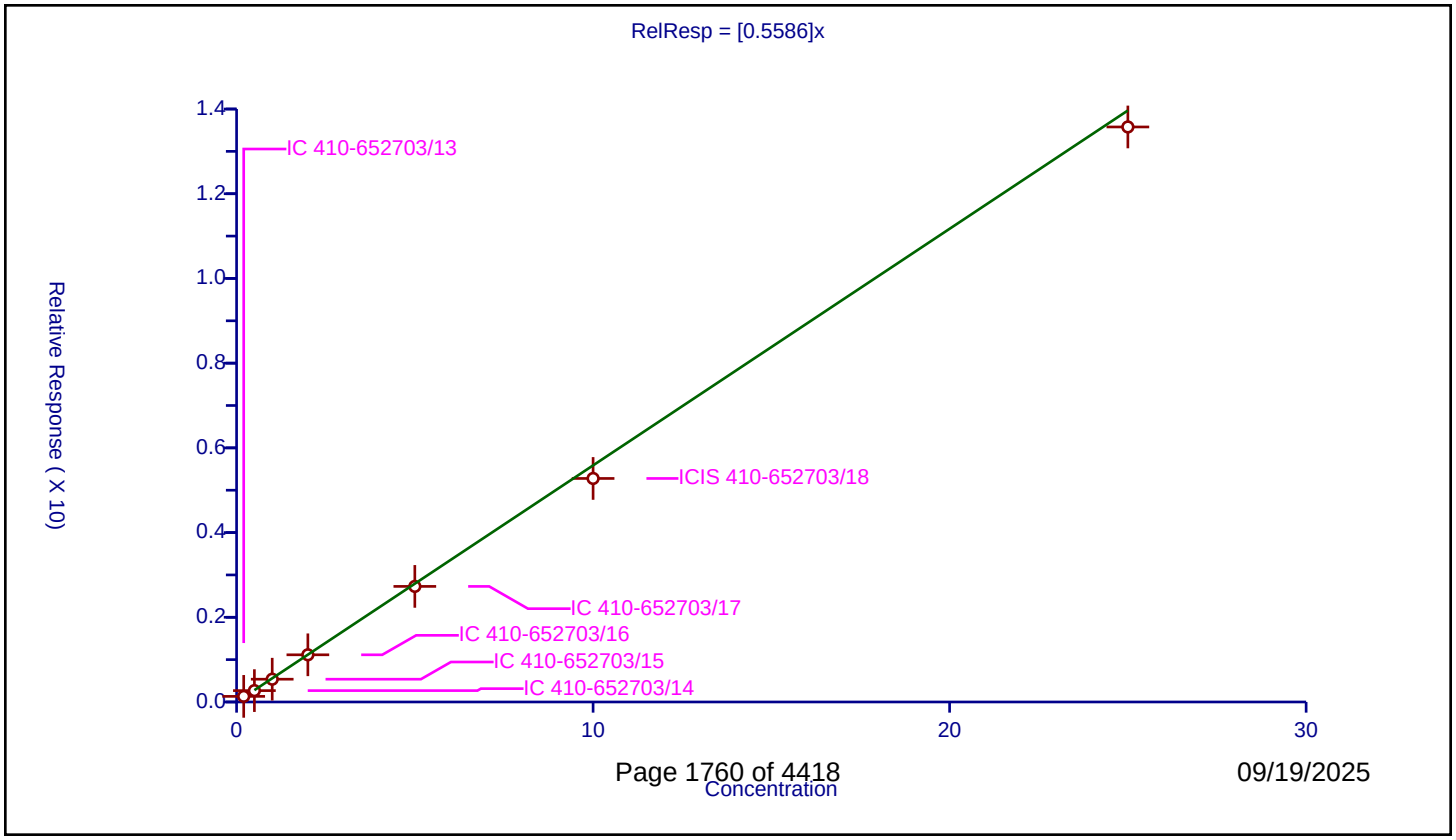
Curve Coefficients

Intercept:	0
Slope:	0.5586

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.132276	10.0	2284843.0	0.66138	Y
2	IC 410-652703/14	0.5	0.268634	10.0	2238774.0	0.537267	Y
3	IC 410-652703/15	1.0	0.537909	10.0	2276632.0	0.537909	Y
4	IC 410-652703/16	2.0	1.114254	10.0	2320746.0	0.557127	Y
5	IC 410-652703/17	5.0	2.728703	10.0	2313176.0	0.545741	Y
6	ICIS 410-652703/18	10.0	5.277453	10.0	2356745.0	0.527745	Y
7	IC 410-652703/19	25.0	13.576435	10.0	2383670.0	0.543057	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

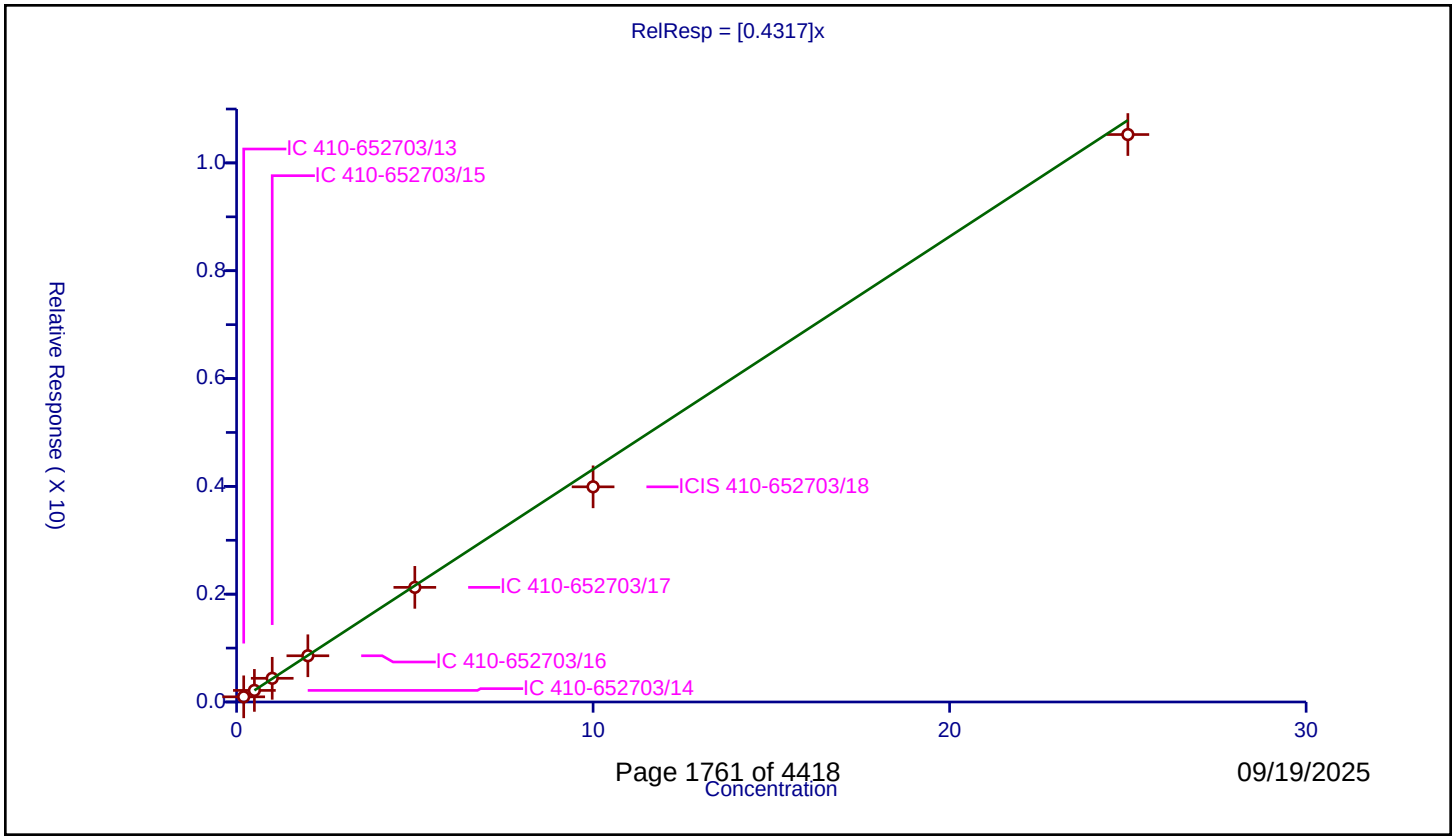
Curve Coefficients

Intercept:	0
Slope:	0.4317

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.095547	10.0	2284843.0	0.477735	Y
2	IC 410-652703/14	0.5	0.215113	10.0	2238774.0	0.430227	Y
3	IC 410-652703/15	1.0	0.439645	10.0	2276632.0	0.439645	Y
4	IC 410-652703/16	2.0	0.857513	10.0	2320746.0	0.428757	Y
5	IC 410-652703/17	5.0	2.126176	10.0	2313176.0	0.425235	Y
6	ICIS 410-652703/18	10.0	3.991382	10.0	2356745.0	0.399138	Y
7	IC 410-652703/19	25.0	10.526554	10.0	2383670.0	0.421062	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

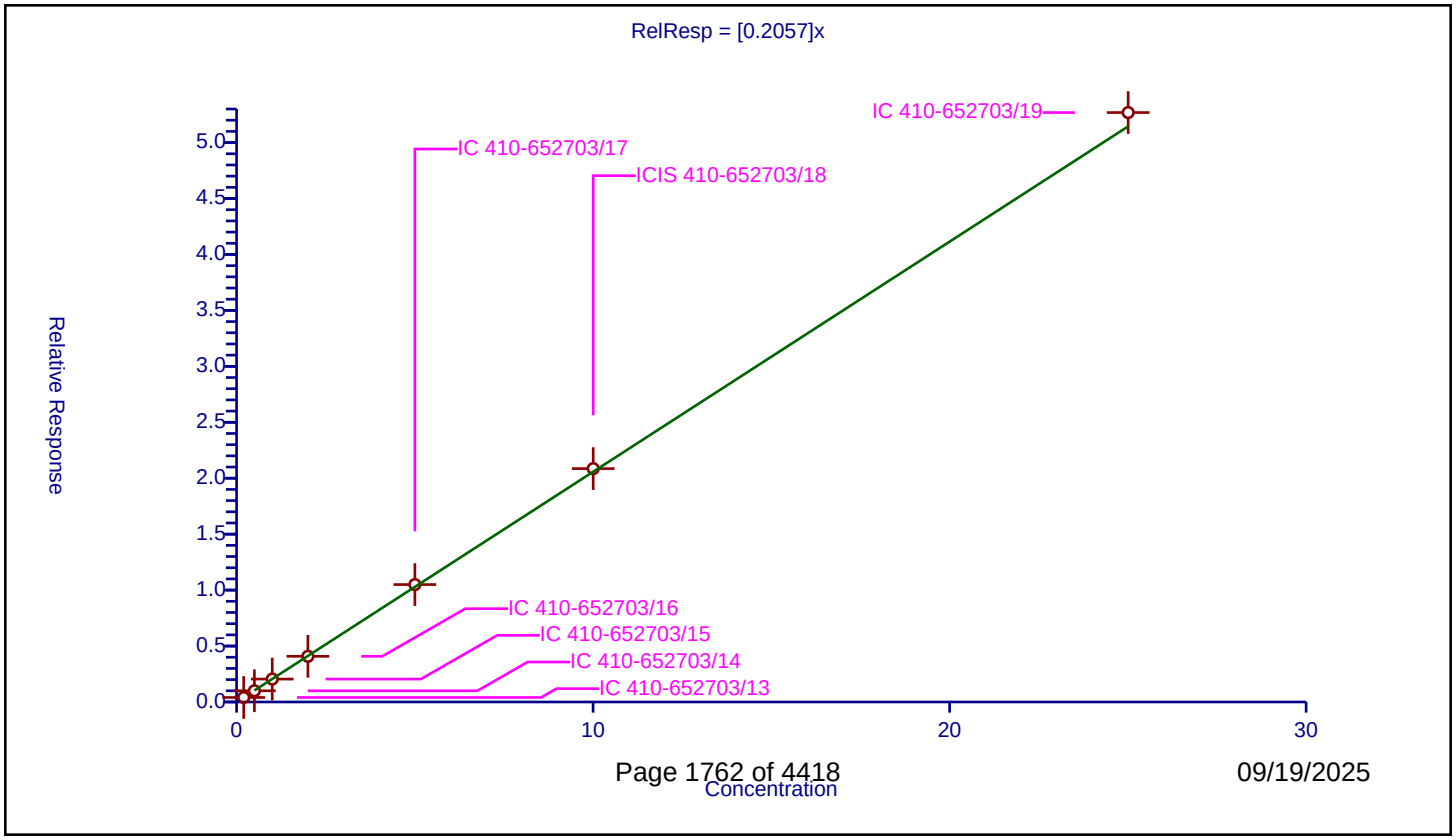
Curve Coefficients

Intercept:	0
Slope:	0.2057

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.200066	0.040375	10.0	2284843.0	0.201807	Y
2	IC 410-652703/14	0.500166	0.100216	10.0	2238774.0	0.200365	Y
3	IC 410-652703/15	1.000332	0.204895	10.0	2276632.0	0.204827	Y
4	IC 410-652703/16	2.000664	0.408179	10.0	2320746.0	0.204022	Y
5	IC 410-652703/17	5.00166	1.049501	10.0	2313176.0	0.20983	Y
6	ICIS 410-652703/18	10.00332	2.085966	10.0	2356745.0	0.208527	Y
7	IC 410-652703/19	25.0083	5.268296	10.0	2383670.0	0.210662	Y



Calibration / 1,2-Dichloro-1,1,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

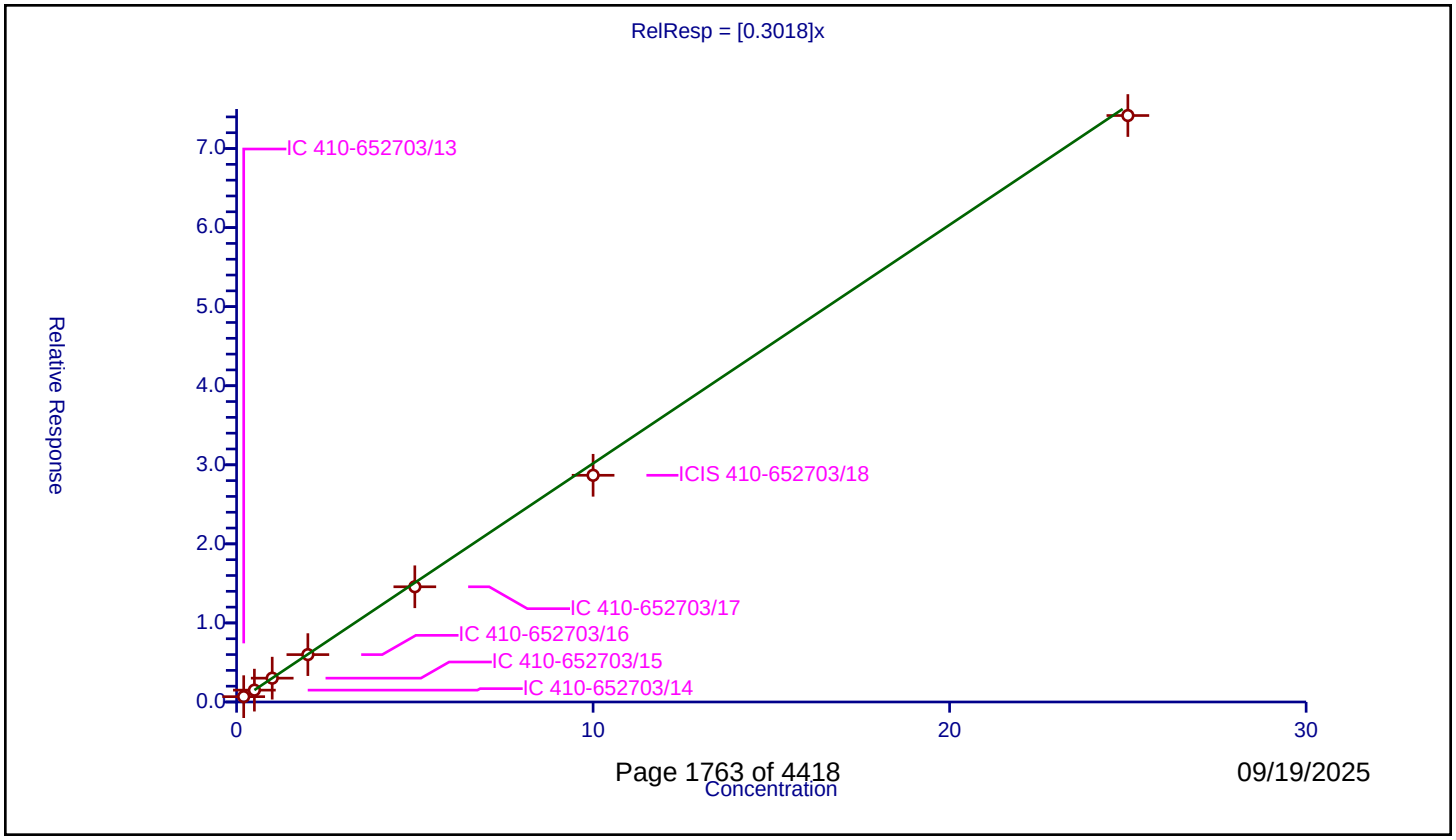
Curve Coefficients

Intercept:	0
Slope:	0.3018

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.067353	10.0	2284843.0	0.336763	Y
2	IC 410-652703/14	0.5	0.149836	10.0	2238774.0	0.299673	Y
3	IC 410-652703/15	1.0	0.301445	10.0	2276632.0	0.301445	Y
4	IC 410-652703/16	2.0	0.599049	10.0	2320746.0	0.299524	Y
5	IC 410-652703/17	5.0	1.457338	10.0	2313176.0	0.291468	Y
6	ICIS 410-652703/18	10.0	2.867429	10.0	2356745.0	0.286743	Y
7	IC 410-652703/19	25.0	7.41773	10.0	2383670.0	0.296709	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

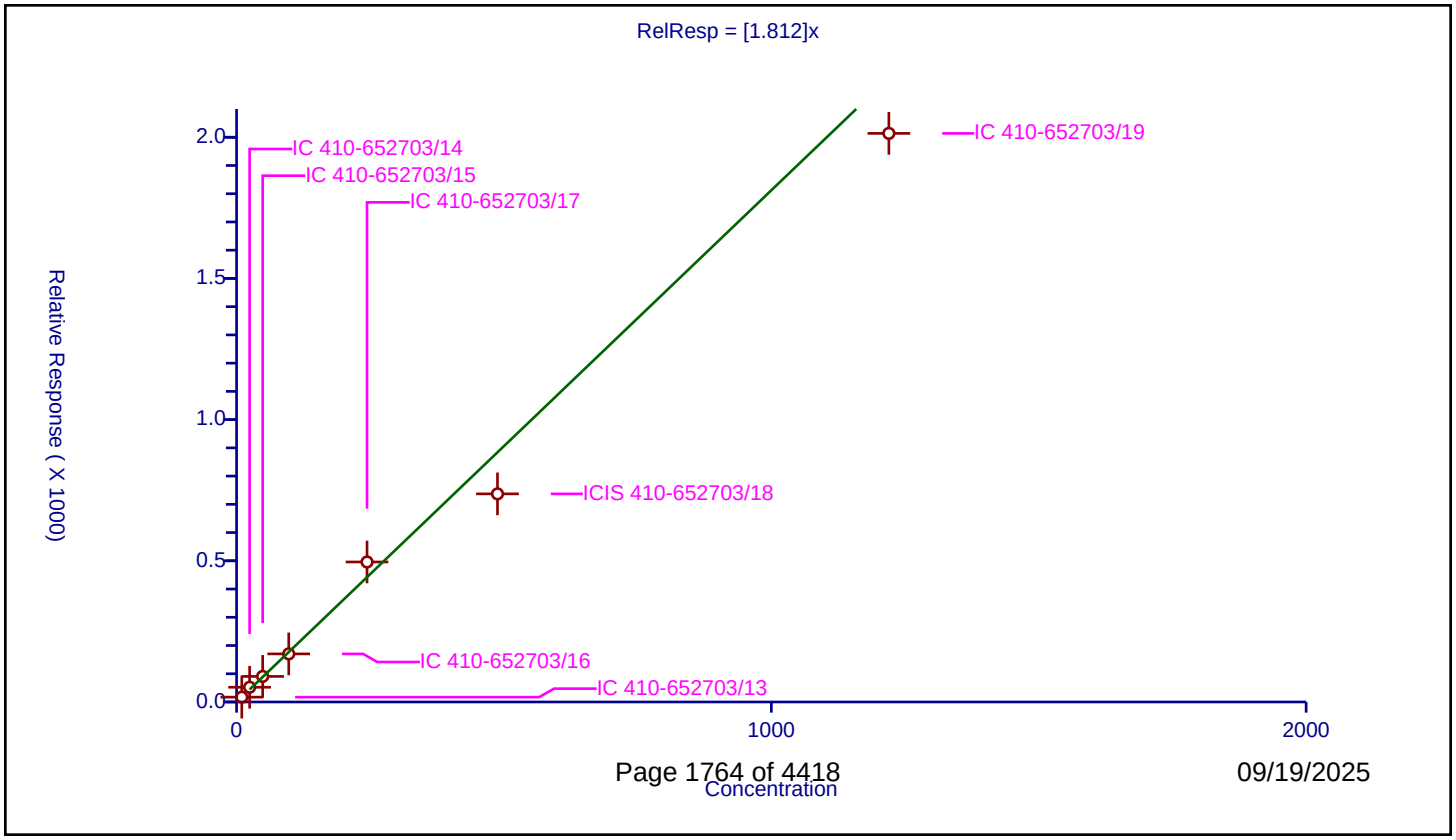
Curve Coefficients

Intercept:	0
Slope:	1.812

Error Coefficients

Relative Standard Deviation:	11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	9.758146	17.102822	50.0	176275.0	1.752671	Y
2	IC 410-652703/14	24.395365	52.140566	50.0	174580.0	2.137314	Y
3	IC 410-652703/15	48.790729	90.535196	50.0	173955.0	1.855582	Y
4	IC 410-652703/16	97.581458	170.33646	50.0	202164.0	1.745582	Y
5	IC 410-652703/17	243.953646	495.895798	50.0	195044.0	2.032746	Y
6	ICIS 410-652703/18	487.907292	737.014978	50.0	195687.0	1.510564	Y
7	IC 410-652703/19	1219.76823	2013.717159	50.0	190156.0	1.650901	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

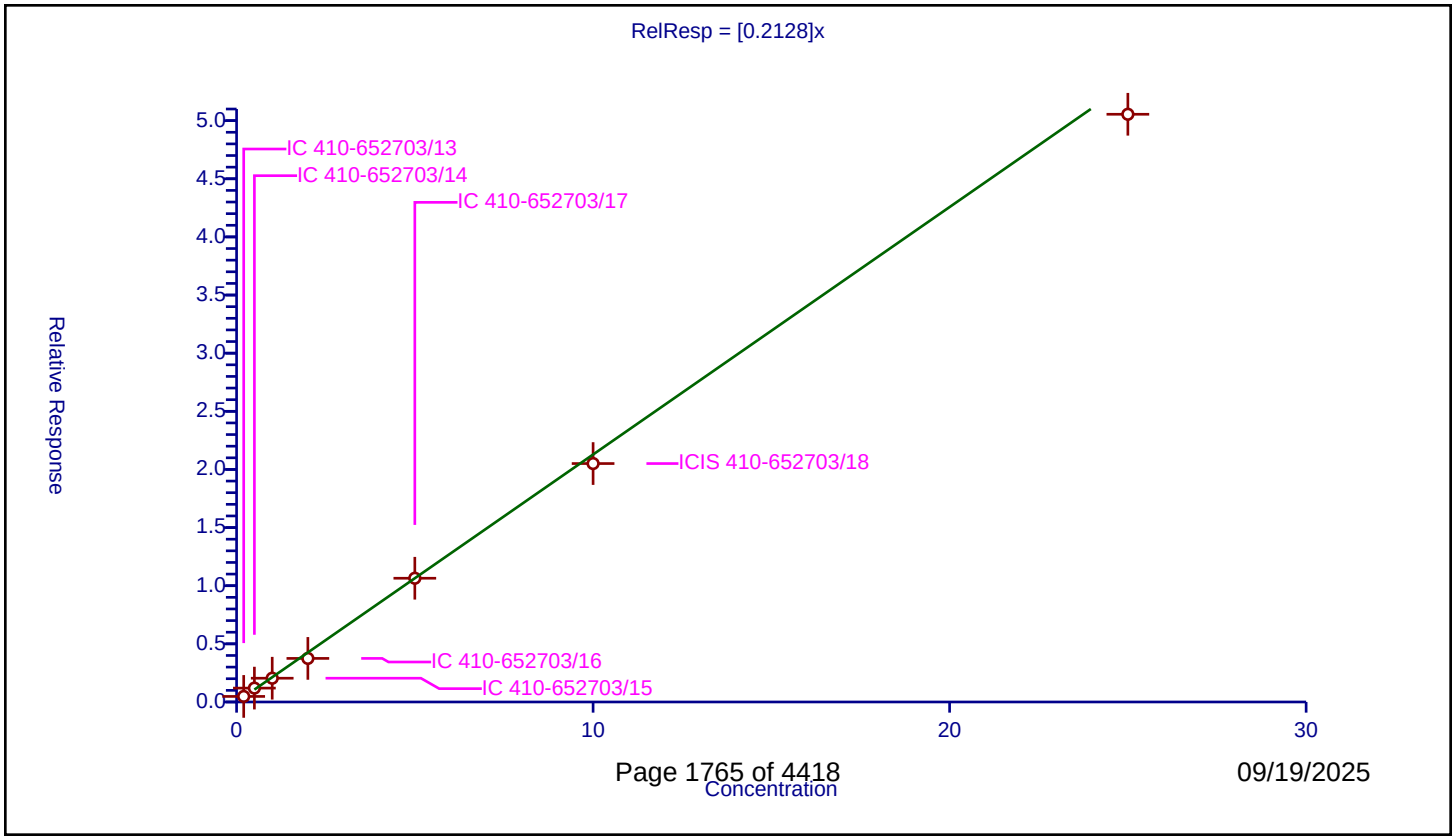
Curve Coefficients

Intercept:	0
Slope:	0.2128

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.047798	10.0	2284843.0	0.238988	Y
2	IC 410-652703/14	0.5	0.119409	10.0	2238774.0	0.238818	Y
3	IC 410-652703/15	1.0	0.204557	10.0	2276632.0	0.204557	Y
4	IC 410-652703/16	2.0	0.374789	10.0	2320746.0	0.187394	Y
5	IC 410-652703/17	5.0	1.06442	10.0	2313176.0	0.212884	Y
6	ICIS 410-652703/18	10.0	2.050824	10.0	2356745.0	0.205082	Y
7	IC 410-652703/19	25.0	5.05489	10.0	2383670.0	0.202196	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

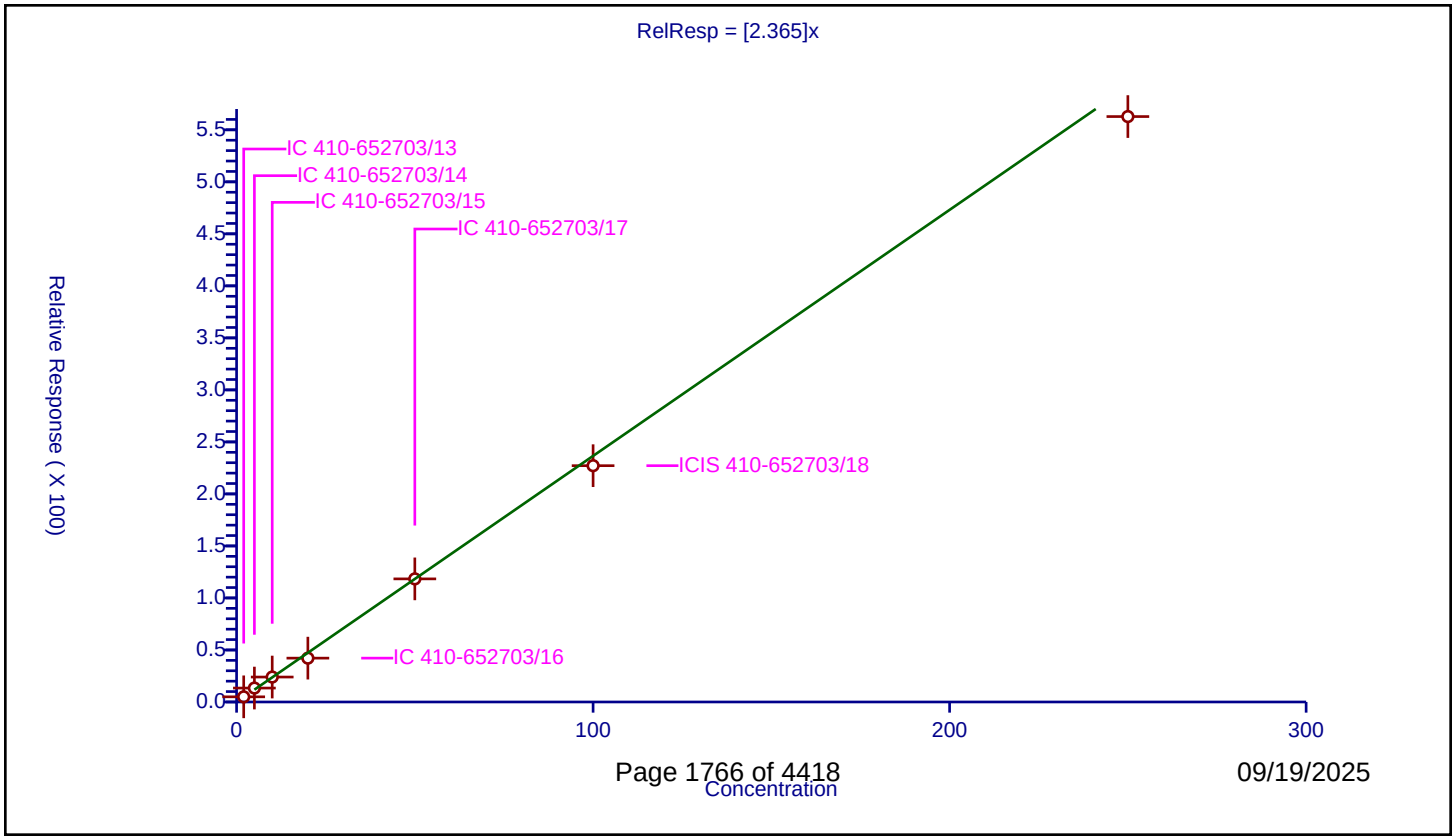
Curve Coefficients

Intercept:	0
Slope:	2.365

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	2.0	4.95958	50.0	176275.0	2.47979	Y
2	IC 410-652703/14	5.0	13.405029	50.0	174580.0	2.681006	Y
3	IC 410-652703/15	10.0	23.98925	50.0	173955.0	2.398925	Y
4	IC 410-652703/16	20.0	42.152906	50.0	202164.0	2.107645	Y
5	IC 410-652703/17	50.0	118.337657	50.0	195044.0	2.366753	Y
6	ICIS 410-652703/18	100.0	227.149734	50.0	195687.0	2.271497	Y
7	IC 410-652703/19	250.0	562.748743	50.0	190156.0	2.250995	Y



09/19/2025

Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

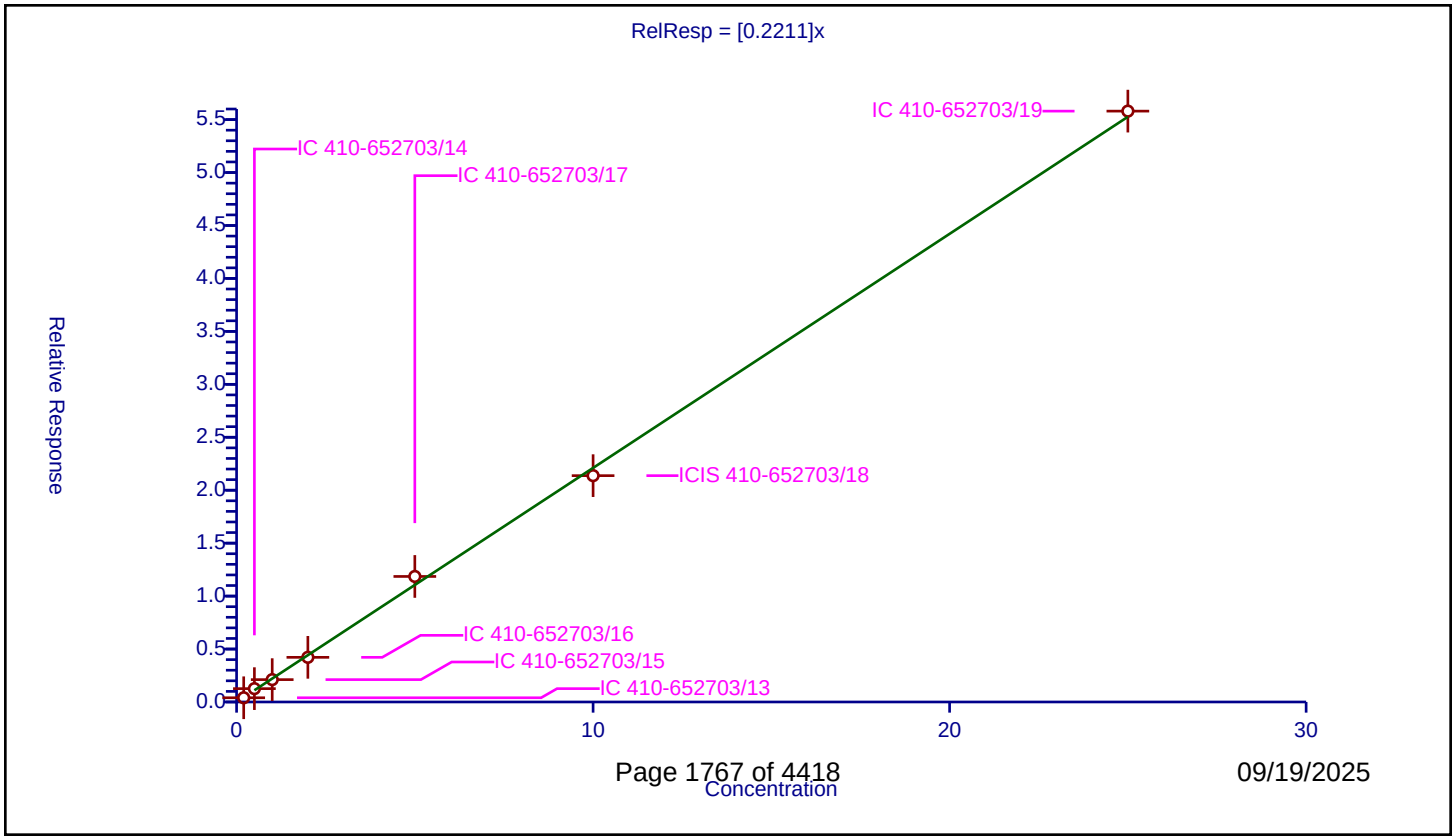
Curve Coefficients

Intercept:	0
Slope:	0.2211

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.039823	10.0	2284843.0	0.199117	Y
2	IC 410-652703/14	0.5	0.126033	10.0	2238774.0	0.252067	Y
3	IC 410-652703/15	1.0	0.21129	10.0	2276632.0	0.21129	Y
4	IC 410-652703/16	2.0	0.421757	10.0	2320746.0	0.210878	Y
5	IC 410-652703/17	5.0	1.185426	10.0	2313176.0	0.237085	Y
6	ICIS 410-652703/18	10.0	2.137418	10.0	2356745.0	0.213742	Y
7	IC 410-652703/19	25.0	5.580198	10.0	2383670.0	0.223208	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

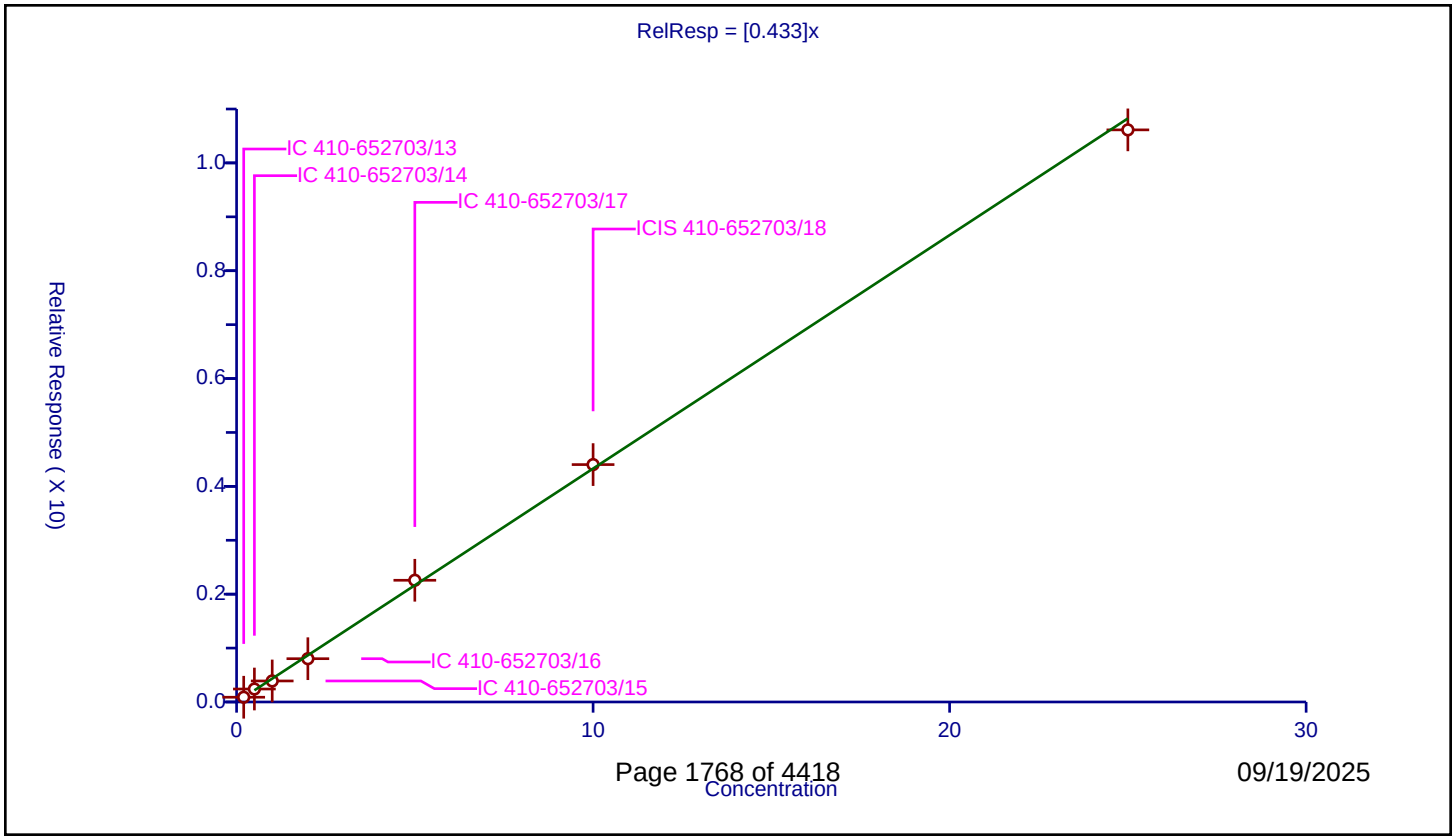
Curve Coefficients

Intercept:	0
Slope:	0.433

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.088164	10.0	2284843.0	0.440818	Y
2	IC 410-652703/14	0.5	0.240886	10.0	2238774.0	0.481773	Y
3	IC 410-652703/15	1.0	0.390296	10.0	2276632.0	0.390296	Y
4	IC 410-652703/16	2.0	0.803138	10.0	2320746.0	0.401569	Y
5	IC 410-652703/17	5.0	2.258047	10.0	2313176.0	0.451609	Y
6	ICIS 410-652703/18	10.0	4.403756	10.0	2356745.0	0.440376	Y
7	IC 410-652703/19	25.0	10.613336	10.0	2383670.0	0.424533	Y



Calibration / Ethyl bromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

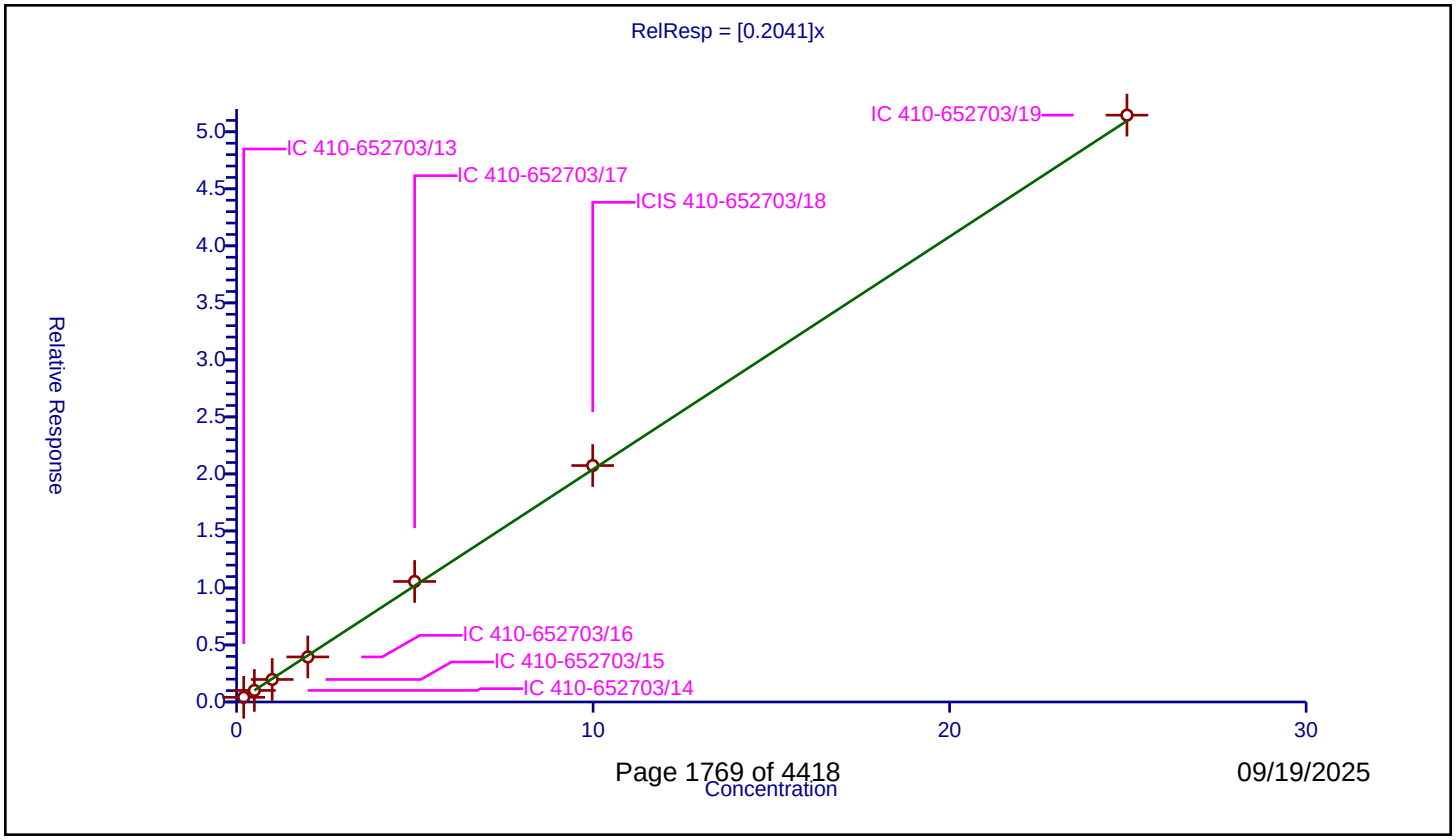
Curve Coefficients

Intercept:	0
Slope:	0.2041

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.199795	0.040926	10.0	2284843.0	0.204841	Y
2	IC 410-652703/14	0.499488	0.101408	10.0	2238774.0	0.203024	Y
3	IC 410-652703/15	0.998976	0.197392	10.0	2276632.0	0.197595	Y
4	IC 410-652703/16	1.997952	0.395101	10.0	2320746.0	0.197753	Y
5	IC 410-652703/17	4.99488	1.056846	10.0	2313176.0	0.211586	Y
6	ICIS 410-652703/18	9.98976	2.073343	10.0	2356745.0	0.207547	Y
7	IC 410-652703/19	24.9744	5.146212	10.0	2383670.0	0.206059	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

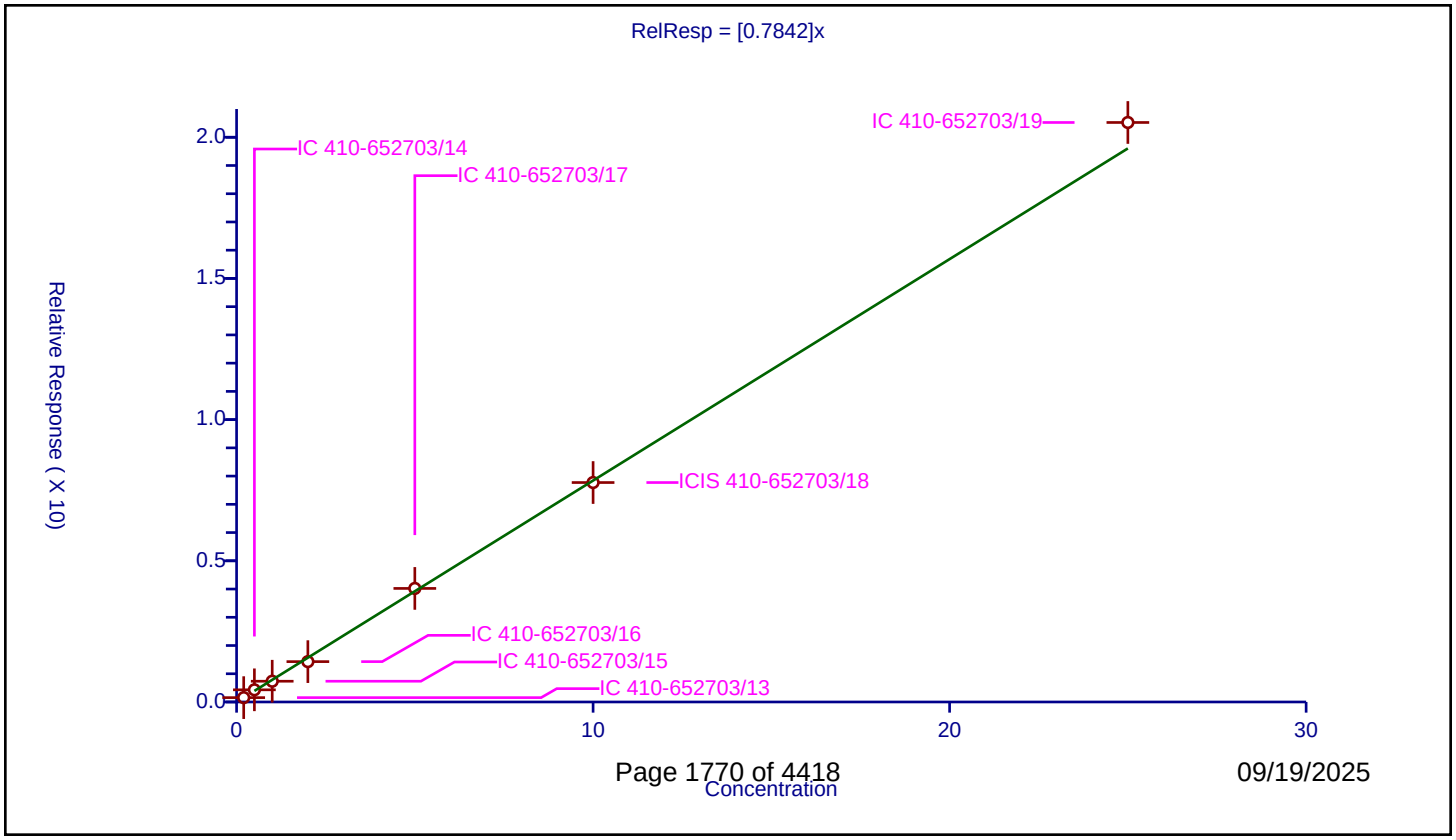
Curve Coefficients

Intercept:	0
Slope:	0.7842

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.154825	10.0	2284843.0	0.774123	Y
2	IC 410-652703/14	0.5	0.431303	10.0	2238774.0	0.862606	Y
3	IC 410-652703/15	1.0	0.735538	10.0	2276632.0	0.735538	Y
4	IC 410-652703/16	2.0	1.429092	10.0	2320746.0	0.714546	Y
5	IC 410-652703/17	5.0	4.021665	10.0	2313176.0	0.804333	Y
6	ICIS 410-652703/18	10.0	7.77188	10.0	2356745.0	0.777188	Y
7	IC 410-652703/19	25.0	20.523189	10.0	2383670.0	0.820928	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

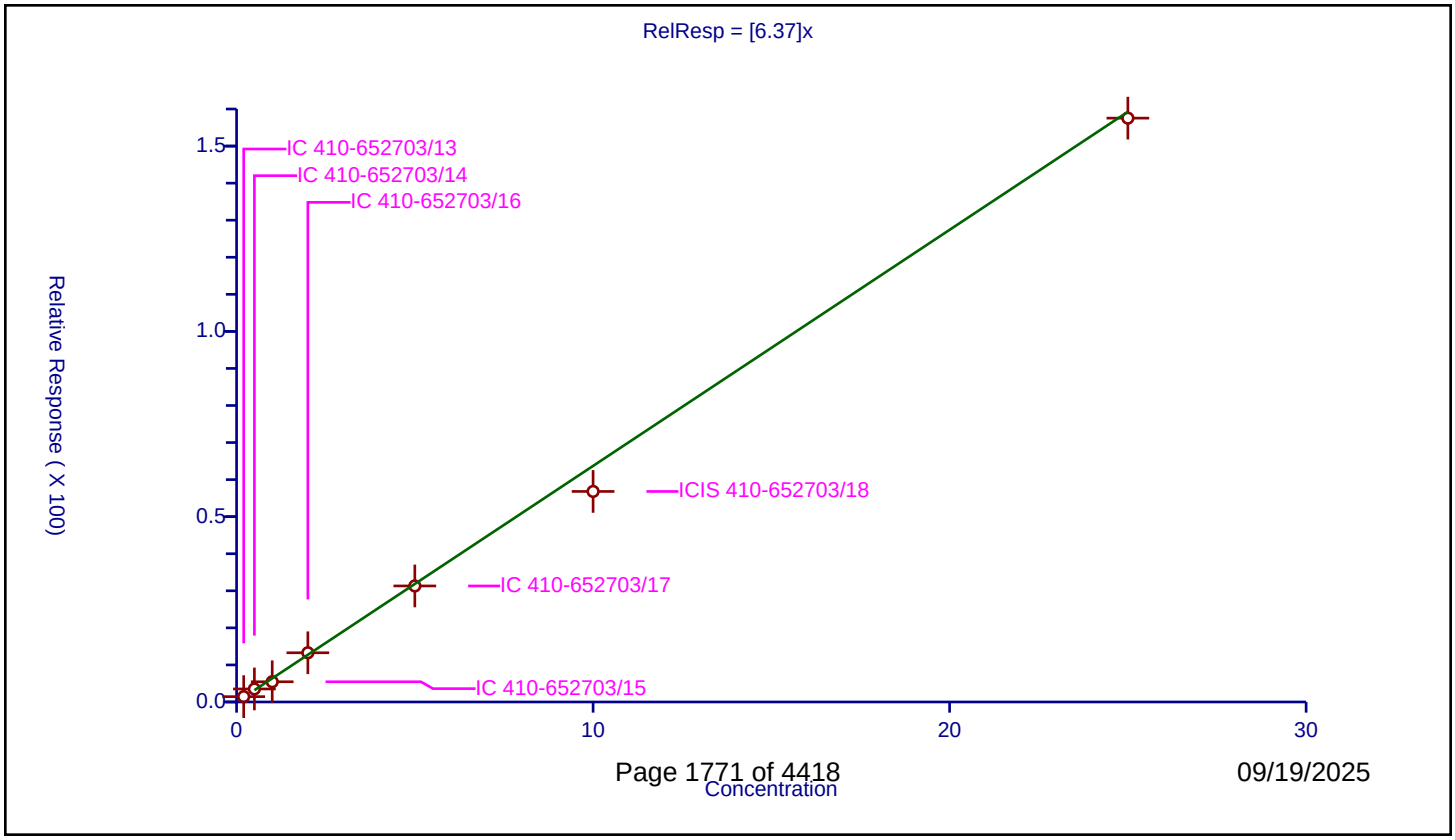
Curve Coefficients

Intercept:	0
Slope:	6.37

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	1.443767	50.0	176275.0	7.218834	Y
2	IC 410-652703/14	0.5	3.516439	50.0	174580.0	7.032879	Y
3	IC 410-652703/15	1.0	5.454572	50.0	173955.0	5.454572	Y
4	IC 410-652703/16	2.0	13.27907	50.0	202164.0	6.639535	Y
5	IC 410-652703/17	5.0	31.307295	50.0	195044.0	6.261459	Y
6	ICIS 410-652703/18	10.0	56.810621	50.0	195687.0	5.681062	Y
7	IC 410-652703/19	25.0	157.538547	50.0	190156.0	6.301542	Y



09/19/2025

Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

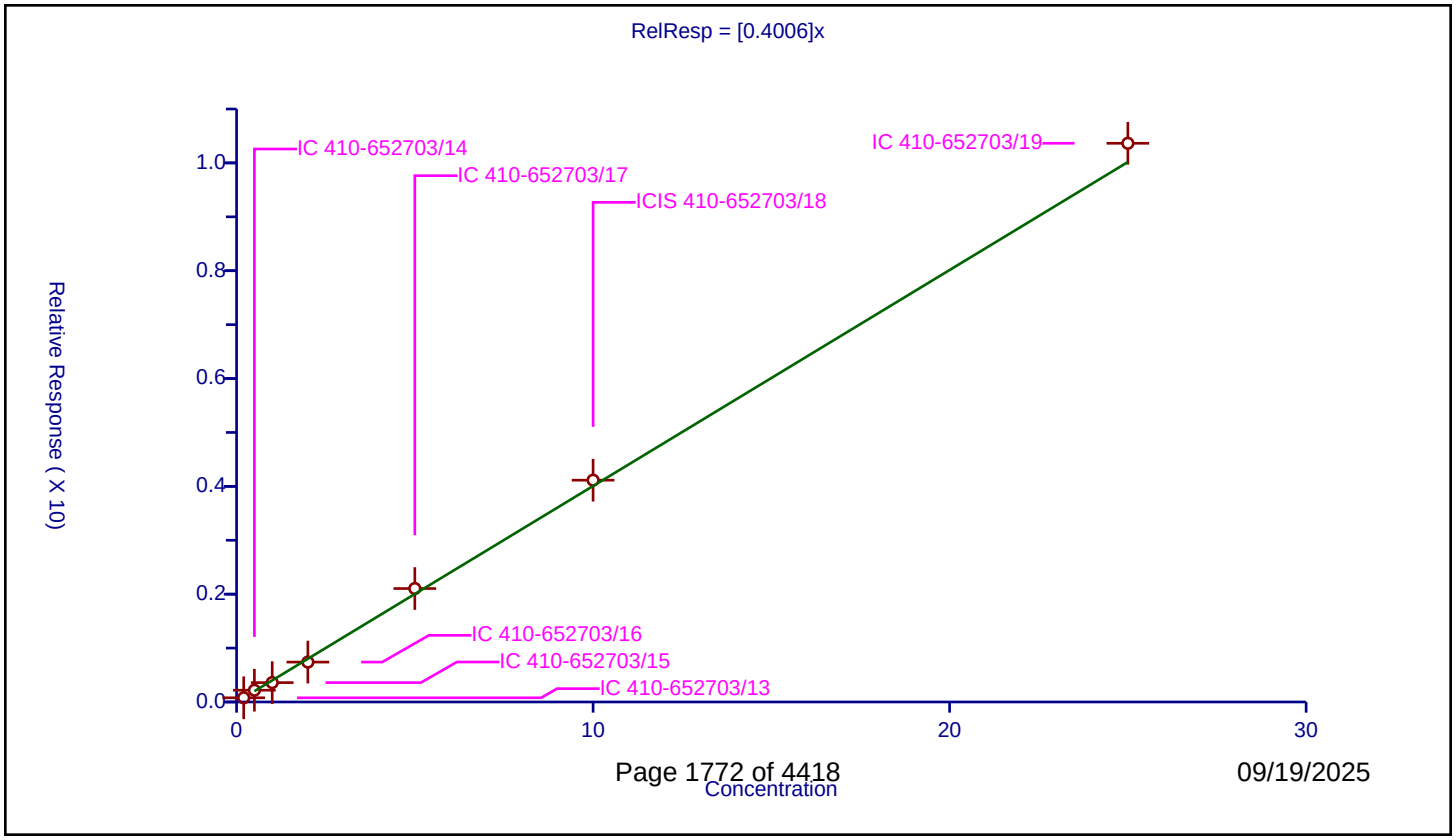
Curve Coefficients

Intercept:	0
Slope:	0.4006

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.07815	10.0	2284843.0	0.390749	Y
2	IC 410-652703/14	0.5	0.218638	10.0	2238774.0	0.437275	Y
3	IC 410-652703/15	1.0	0.359452	10.0	2276632.0	0.359452	Y
4	IC 410-652703/16	2.0	0.740292	10.0	2320746.0	0.370146	Y
5	IC 410-652703/17	5.0	2.104375	10.0	2313176.0	0.420875	Y
6	ICIS 410-652703/18	10.0	4.114527	10.0	2356745.0	0.411453	Y
7	IC 410-652703/19	25.0	10.364111	10.0	2383670.0	0.414564	Y



09/19/2025

Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

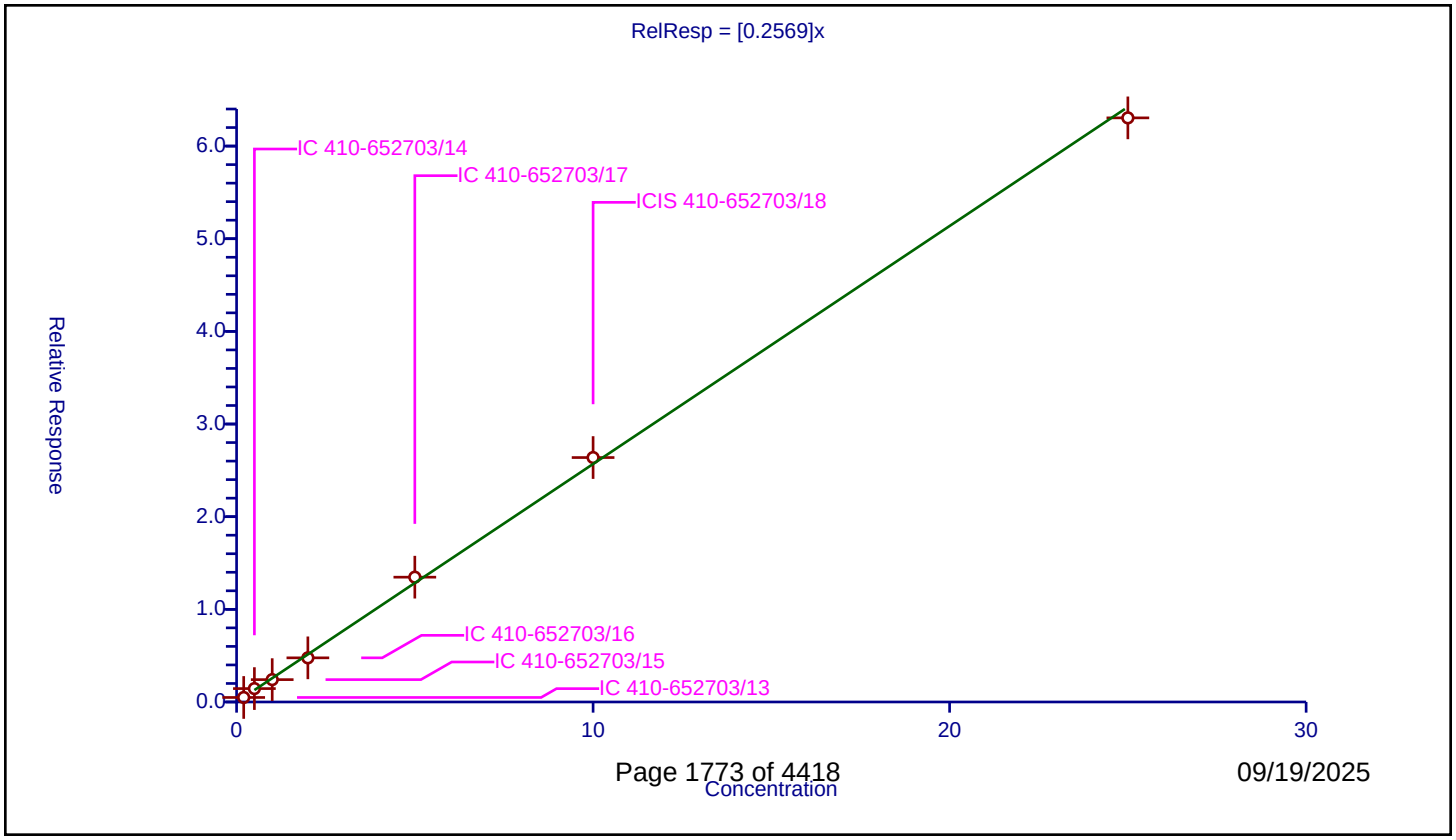
Curve Coefficients

Intercept:	0
Slope:	0.2569

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.048765	10.0	2284843.0	0.243824	Y
2	IC 410-652703/14	0.5	0.144646	10.0	2238774.0	0.289292	Y
3	IC 410-652703/15	1.0	0.241348	10.0	2276632.0	0.241348	Y
4	IC 410-652703/16	2.0	0.476368	10.0	2320746.0	0.238184	Y
5	IC 410-652703/17	5.0	1.347087	10.0	2313176.0	0.269417	Y
6	ICIS 410-652703/18	10.0	2.638228	10.0	2356745.0	0.263823	Y
7	IC 410-652703/19	25.0	6.304321	10.0	2383670.0	0.252173	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

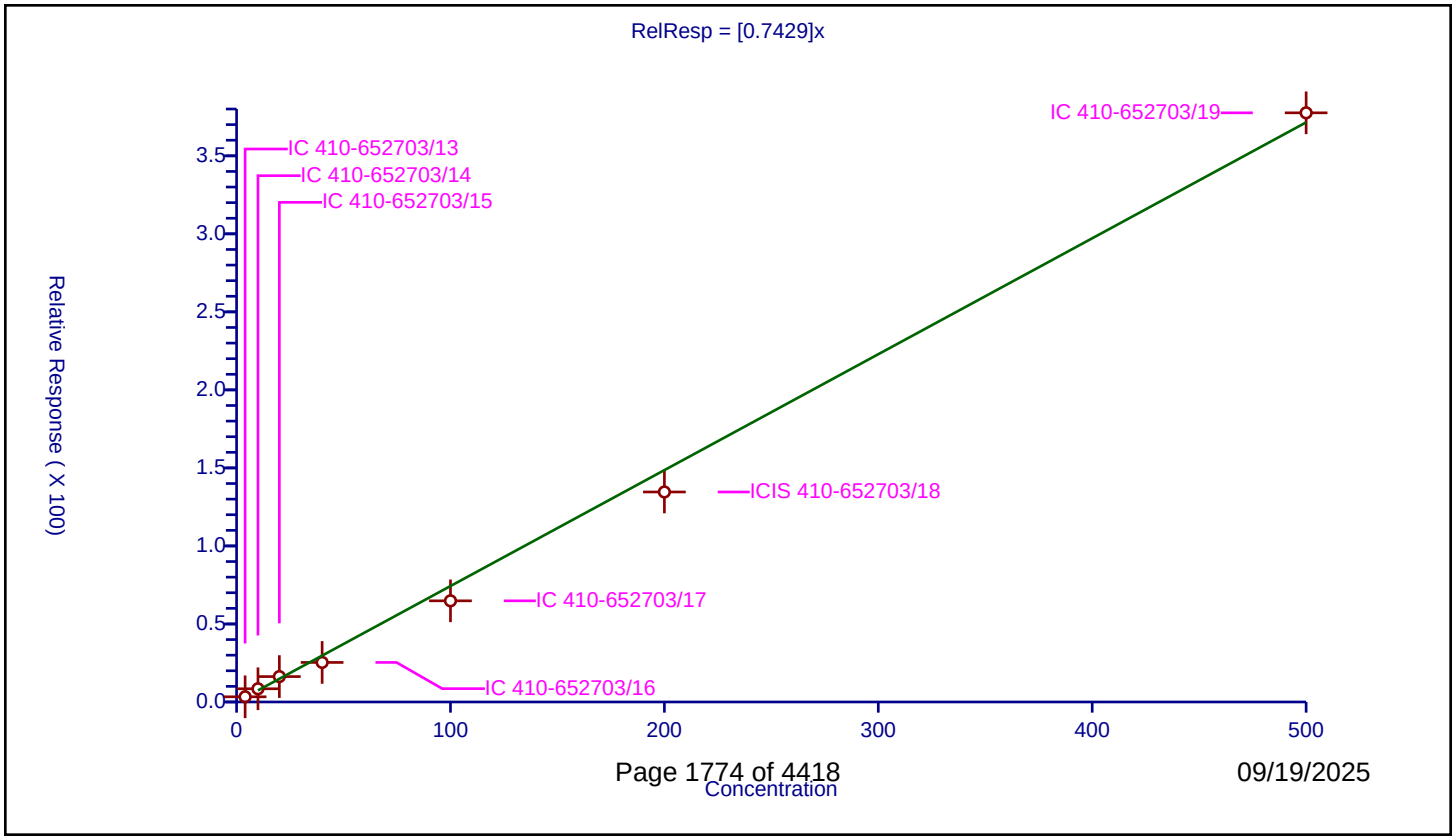
Curve Coefficients

Intercept:	0
Slope:	0.7429

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	4.0	3.317544	50.0	176275.0	0.829386	Y
2	IC 410-652703/14	10.0	8.464314	50.0	174580.0	0.846431	Y
3	IC 410-652703/15	20.0	16.281222	50.0	173955.0	0.814061	Y
4	IC 410-652703/16	40.0	25.353921	50.0	202164.0	0.633848	Y
5	IC 410-652703/17	100.0	64.828449	50.0	195044.0	0.648284	Y
6	ICIS 410-652703/18	200.0	134.578434	50.0	195687.0	0.672892	Y
7	IC 410-652703/19	500.0	377.560266	50.0	190156.0	0.755121	Y



09/19/2025

Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

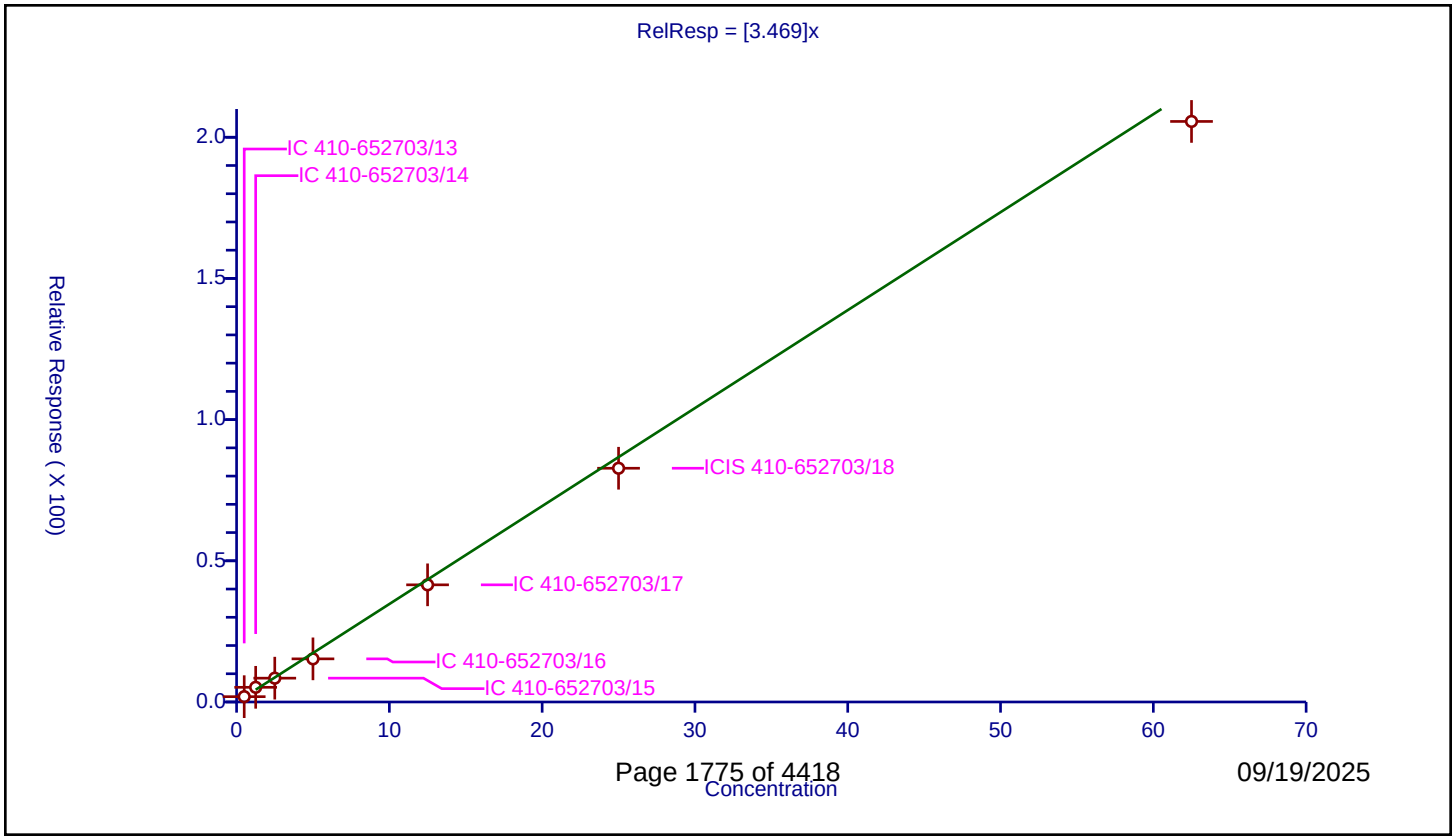
Curve Coefficients

Intercept:	0
Slope:	3.469

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.5	1.887959	50.0	176275.0	3.775918	Y
2	IC 410-652703/14	1.25	5.196758	50.0	174580.0	4.157406	Y
3	IC 410-652703/15	2.5	8.435802	50.0	173955.0	3.374321	Y
4	IC 410-652703/16	5.0	15.279179	50.0	202164.0	3.055836	Y
5	IC 410-652703/17	12.5	41.490125	50.0	195044.0	3.31921	Y
6	ICIS 410-652703/18	25.0	82.784498	50.0	195687.0	3.31138	Y
7	IC 410-652703/19	62.5	205.595143	50.0	190156.0	3.289522	Y



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

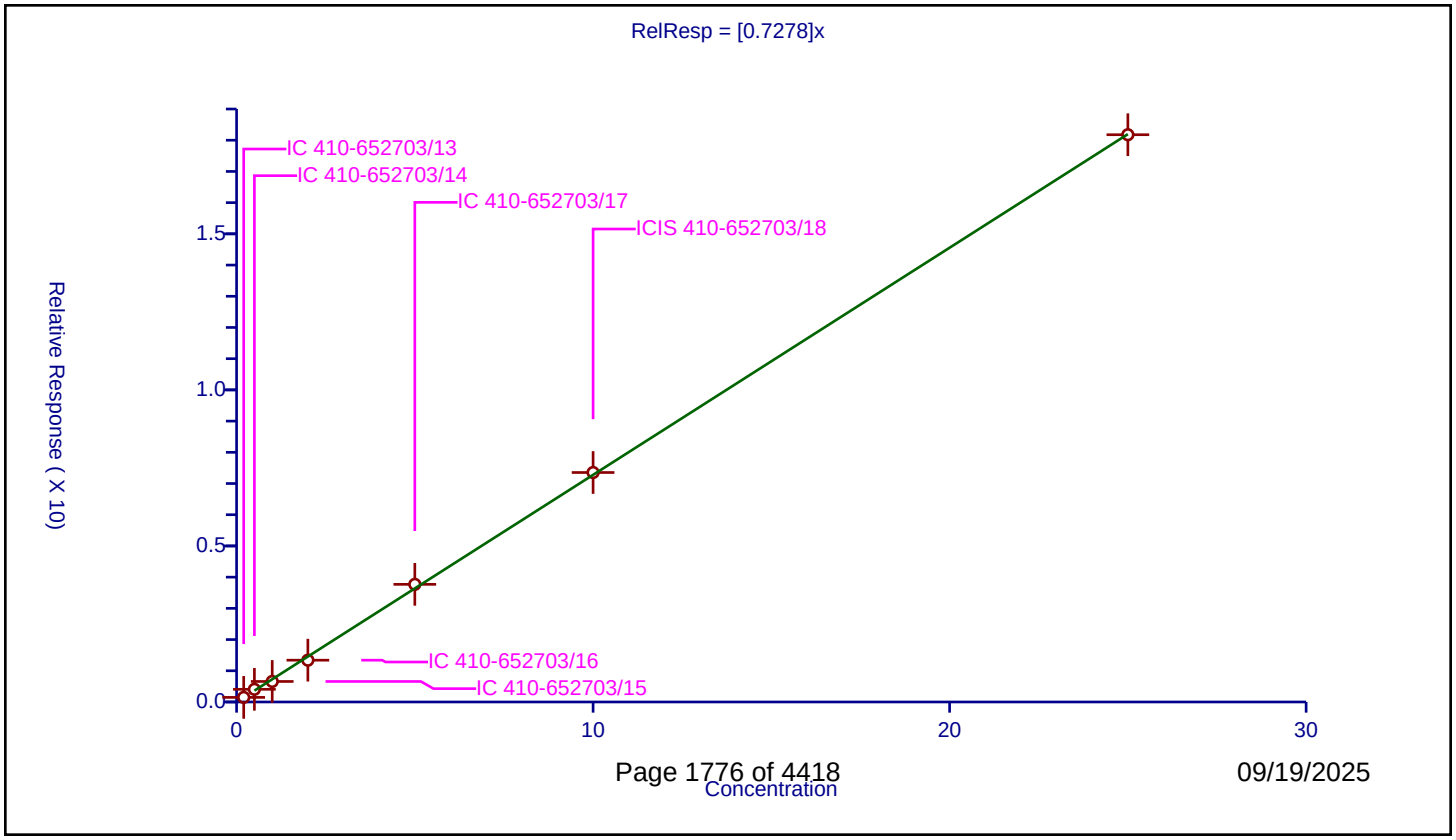
Curve Coefficients

Intercept:	0
Slope:	0.7278

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.147804	10.0	2284843.0	0.739022	Y
2	IC 410-652703/14	0.5	0.405892	10.0	2238774.0	0.811784	Y
3	IC 410-652703/15	1.0	0.657752	10.0	2276632.0	0.657752	Y
4	IC 410-652703/16	2.0	1.339401	10.0	2320746.0	0.669701	Y
5	IC 410-652703/17	5.0	3.76919	10.0	2313176.0	0.753838	Y
6	ICIS 410-652703/18	10.0	7.352573	10.0	2356745.0	0.735257	Y
7	IC 410-652703/19	25.0	18.1763	10.0	2383670.0	0.727052	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

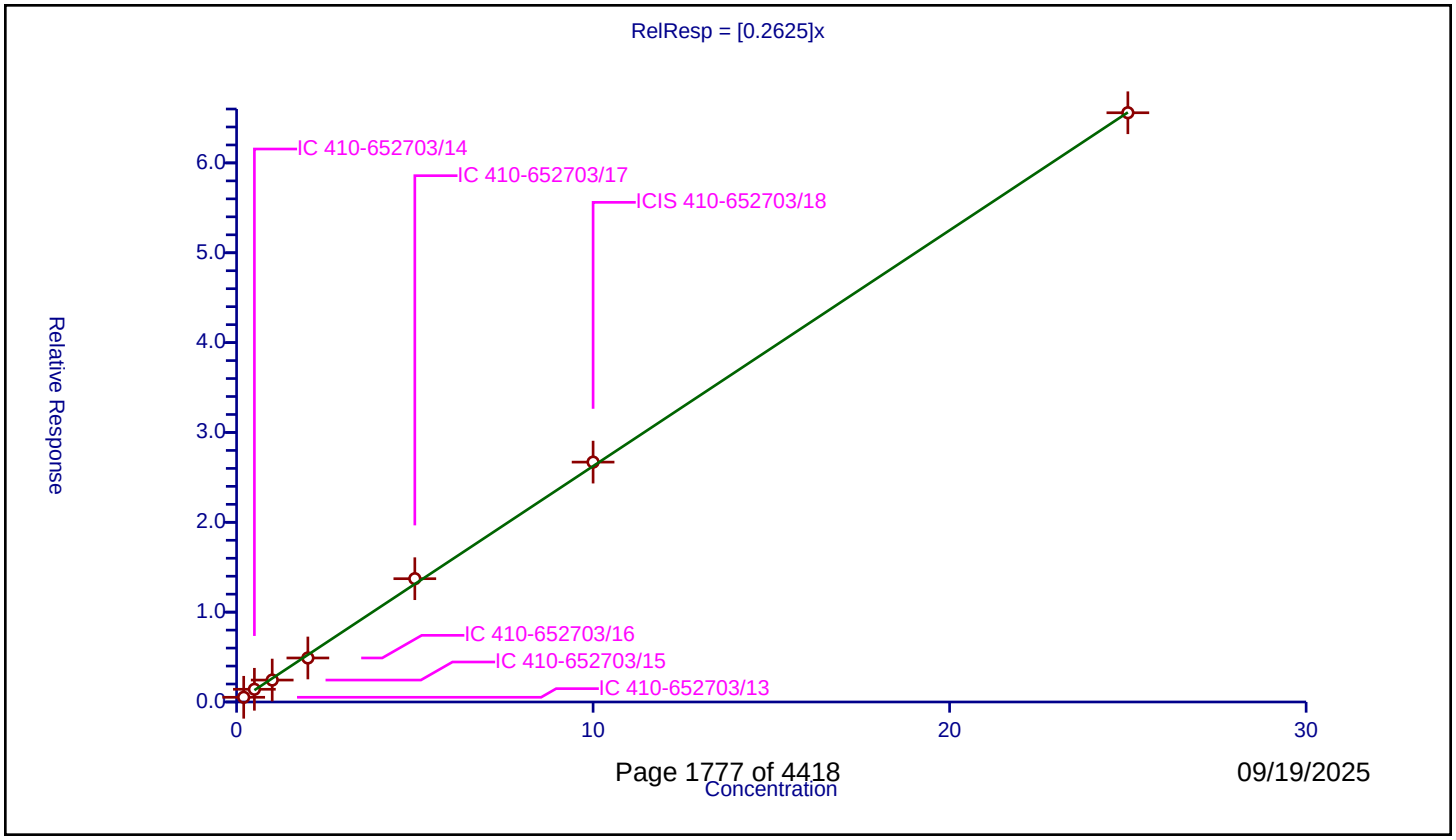
Curve Coefficients

Intercept:	0
Slope:	0.2625

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.052367	10.0	2284843.0	0.261834	Y
2	IC 410-652703/14	0.5	0.14147	10.0	2238774.0	0.282941	Y
3	IC 410-652703/15	1.0	0.24401	10.0	2276632.0	0.24401	Y
4	IC 410-652703/16	2.0	0.489877	10.0	2320746.0	0.244938	Y
5	IC 410-652703/17	5.0	1.372295	10.0	2313176.0	0.274459	Y
6	ICIS 410-652703/18	10.0	2.670089	10.0	2356745.0	0.267009	Y
7	IC 410-652703/19	25.0	6.558349	10.0	2383670.0	0.262334	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

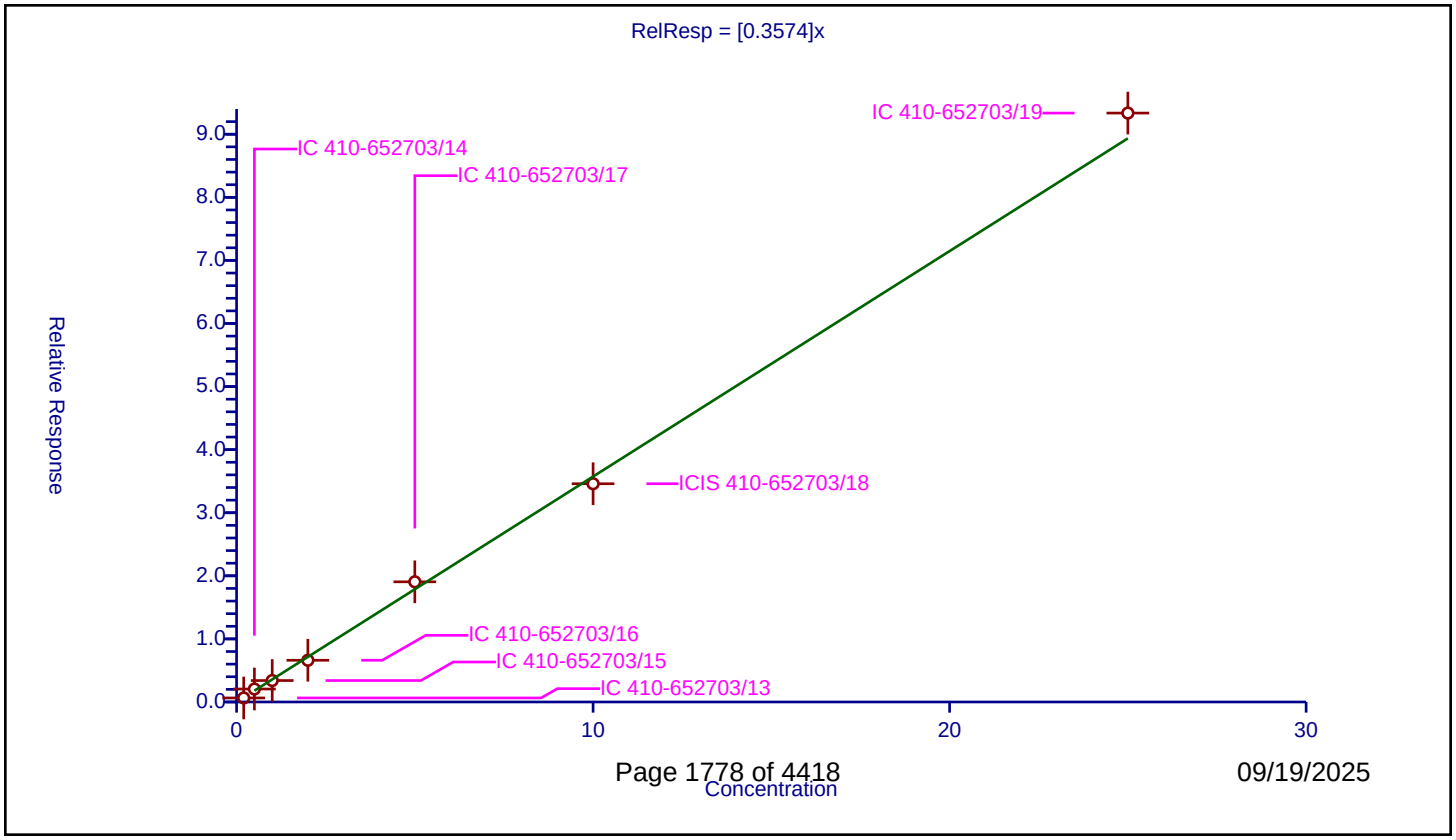
Curve Coefficients

Intercept:	0
Slope:	0.3574

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.063856	10.0	2284843.0	0.319278	Y
2	IC 410-652703/14	0.5	0.205563	10.0	2238774.0	0.411127	Y
3	IC 410-652703/15	1.0	0.340196	10.0	2276632.0	0.340196	Y
4	IC 410-652703/16	2.0	0.661266	10.0	2320746.0	0.330633	Y
5	IC 410-652703/17	5.0	1.905043	10.0	2313176.0	0.381009	Y
6	ICIS 410-652703/18	10.0	3.459785	10.0	2356745.0	0.345978	Y
7	IC 410-652703/19	25.0	9.335843	10.0	2383670.0	0.373434	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

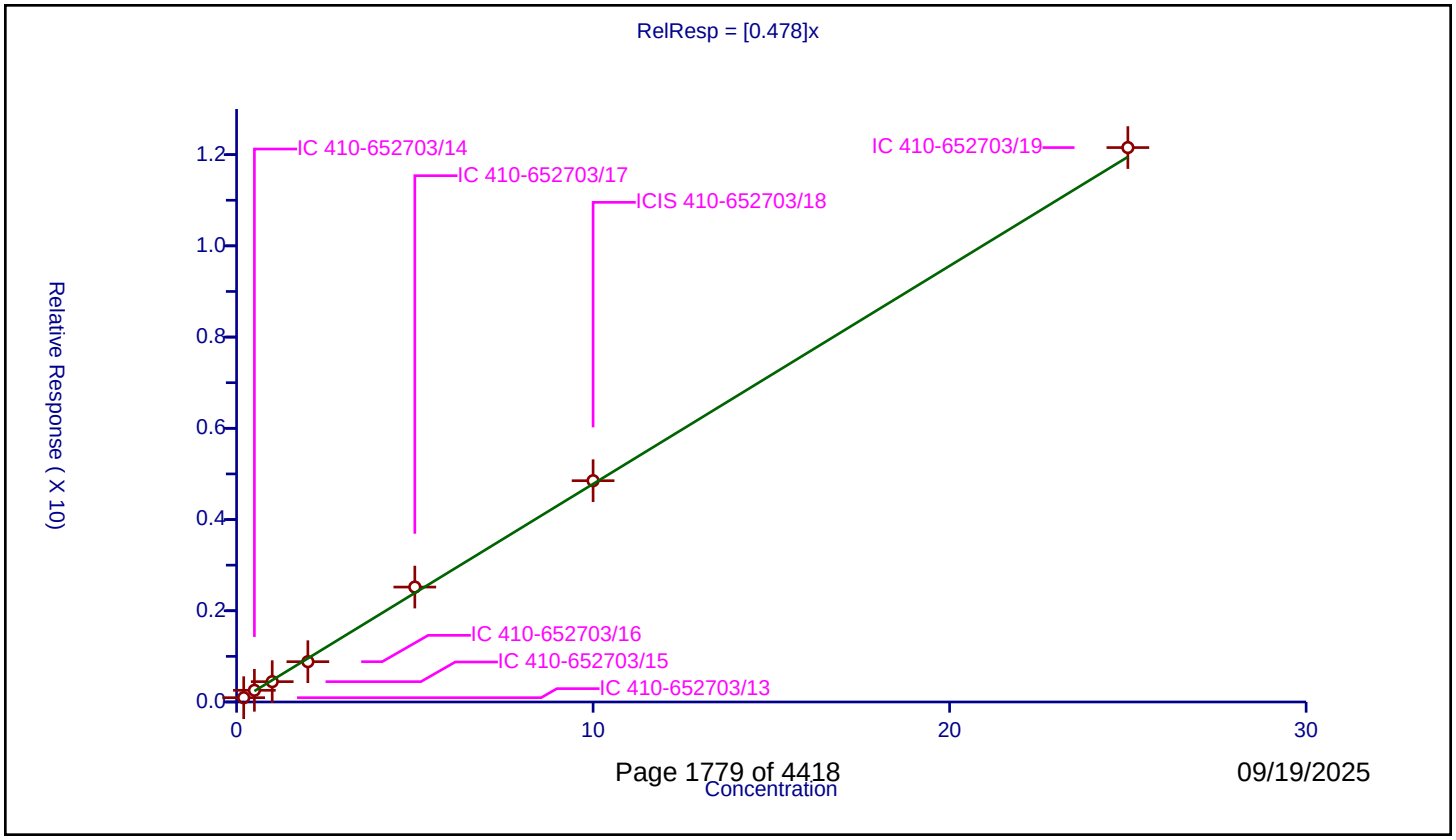
Curve Coefficients

Intercept:	0
Slope:	0.478

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.094147	10.0	2284843.0	0.470733	Y
2	IC 410-652703/14	0.5	0.256453	10.0	2238774.0	0.512906	Y
3	IC 410-652703/15	1.0	0.445496	10.0	2276632.0	0.445496	Y
4	IC 410-652703/16	2.0	0.883841	10.0	2320746.0	0.44192	Y
5	IC 410-652703/17	5.0	2.519268	10.0	2313176.0	0.503854	Y
6	ICIS 410-652703/18	10.0	4.851289	10.0	2356745.0	0.485129	Y
7	IC 410-652703/19	25.0	12.154547	10.0	2383670.0	0.486182	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

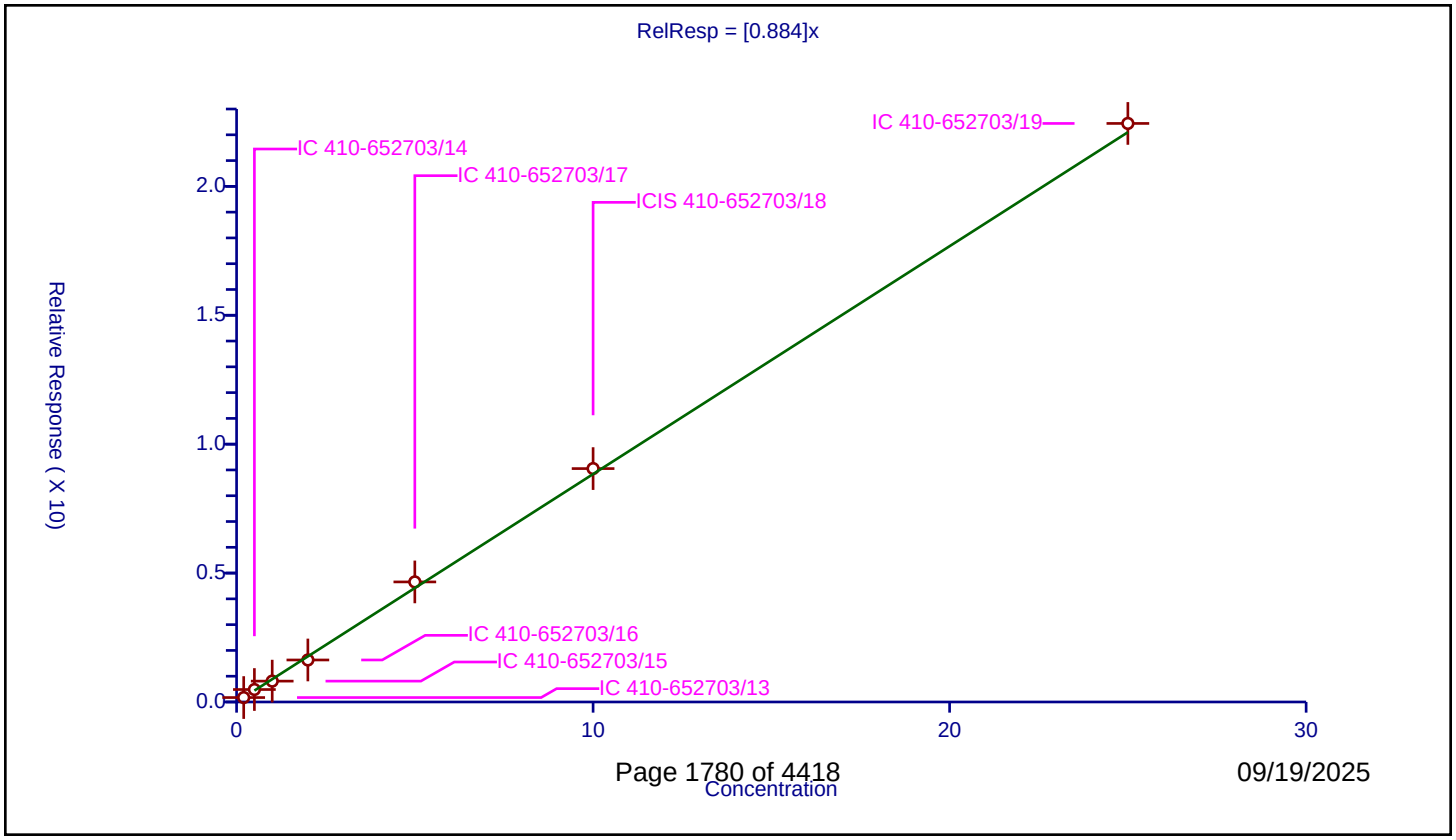
Curve Coefficients

Intercept:	0
Slope:	0.884

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.17252	10.0	2284843.0	0.862598	Y
2	IC 410-652703/14	0.5	0.483081	10.0	2238774.0	0.966163	Y
3	IC 410-652703/15	1.0	0.809727	10.0	2276632.0	0.809727	Y
4	IC 410-652703/16	2.0	1.629666	10.0	2320746.0	0.814833	Y
5	IC 410-652703/17	5.0	4.657194	10.0	2313176.0	0.931439	Y
6	ICIS 410-652703/18	10.0	9.053296	10.0	2356745.0	0.90533	Y
7	IC 410-652703/19	25.0	22.44048	10.0	2383670.0	0.897619	Y



Calibration / 2-Chloro-1,3-butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

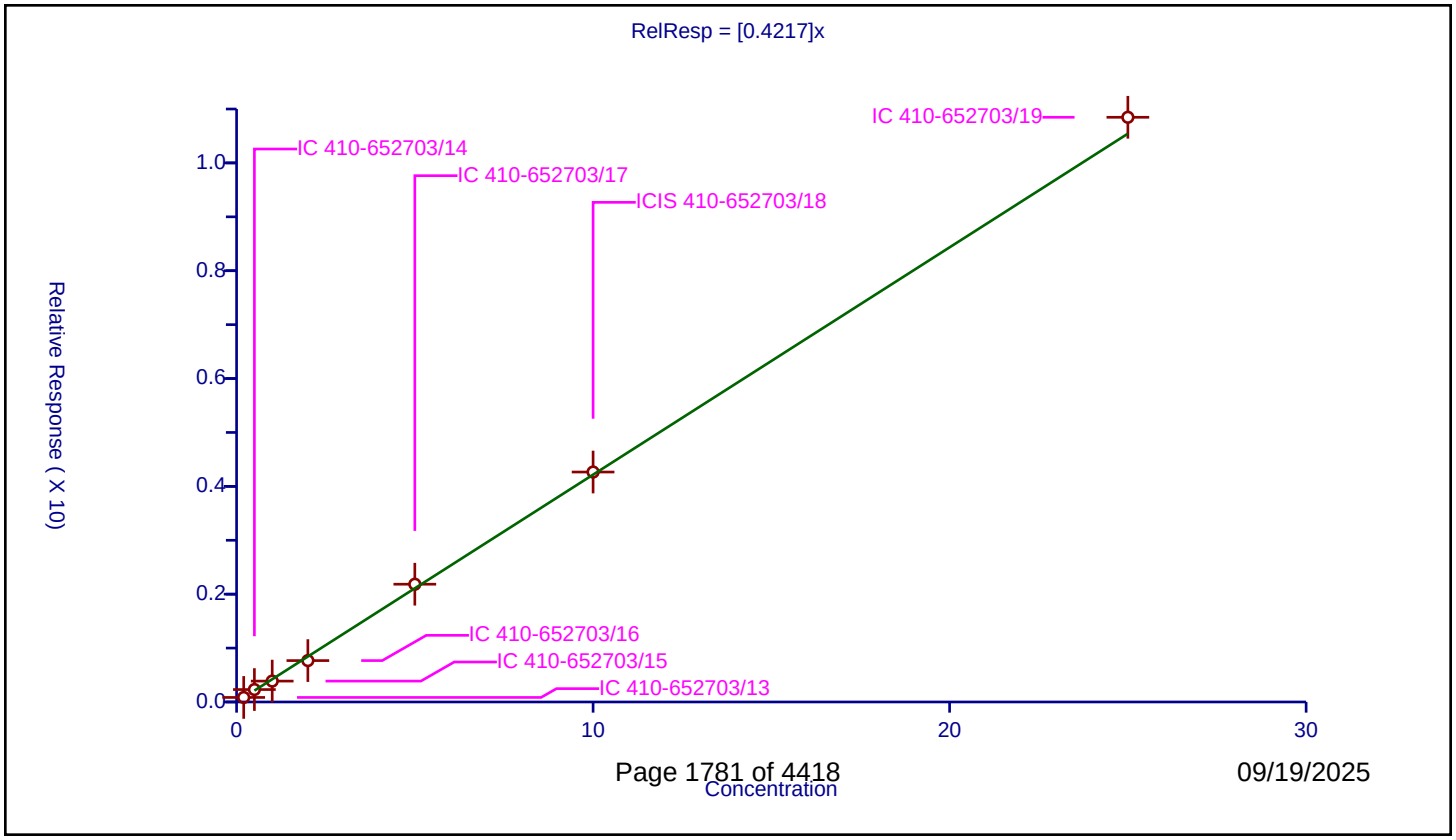
Curve Coefficients

Intercept:	0
Slope:	0.4217

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.084273	10.0	2284843.0	0.421364	Y
2	IC 410-652703/14	0.5	0.230698	10.0	2238774.0	0.461395	Y
3	IC 410-652703/15	1.0	0.387814	10.0	2276632.0	0.387814	Y
4	IC 410-652703/16	2.0	0.767891	10.0	2320746.0	0.383946	Y
5	IC 410-652703/17	5.0	2.18465	10.0	2313176.0	0.43693	Y
6	ICIS 410-652703/18	10.0	4.265786	10.0	2356745.0	0.426579	Y
7	IC 410-652703/19	25.0	10.846548	10.0	2383670.0	0.433862	Y



Calibration / Tert-butyl ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

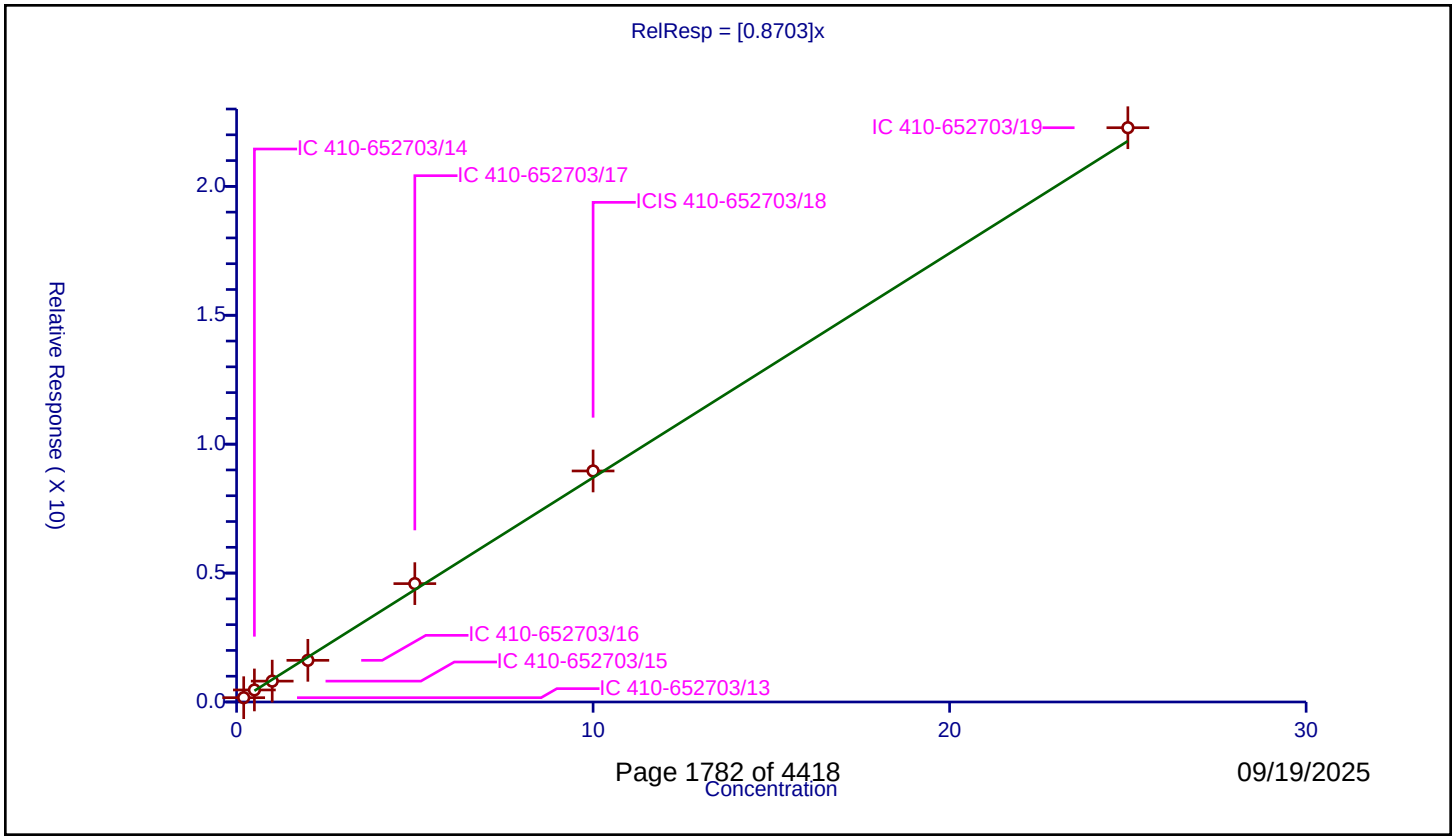
Curve Coefficients

Intercept:	0
Slope:	0.8703

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.167289	10.0	2284843.0	0.836447	Y
2	IC 410-652703/14	0.5	0.46659	10.0	2238774.0	0.93318	Y
3	IC 410-652703/15	1.0	0.809454	10.0	2276632.0	0.809454	Y
4	IC 410-652703/16	2.0	1.615713	10.0	2320746.0	0.807857	Y
5	IC 410-652703/17	5.0	4.590896	10.0	2313176.0	0.918179	Y
6	ICIS 410-652703/18	10.0	8.961283	10.0	2356745.0	0.896128	Y
7	IC 410-652703/19	25.0	22.274833	10.0	2383670.0	0.890993	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

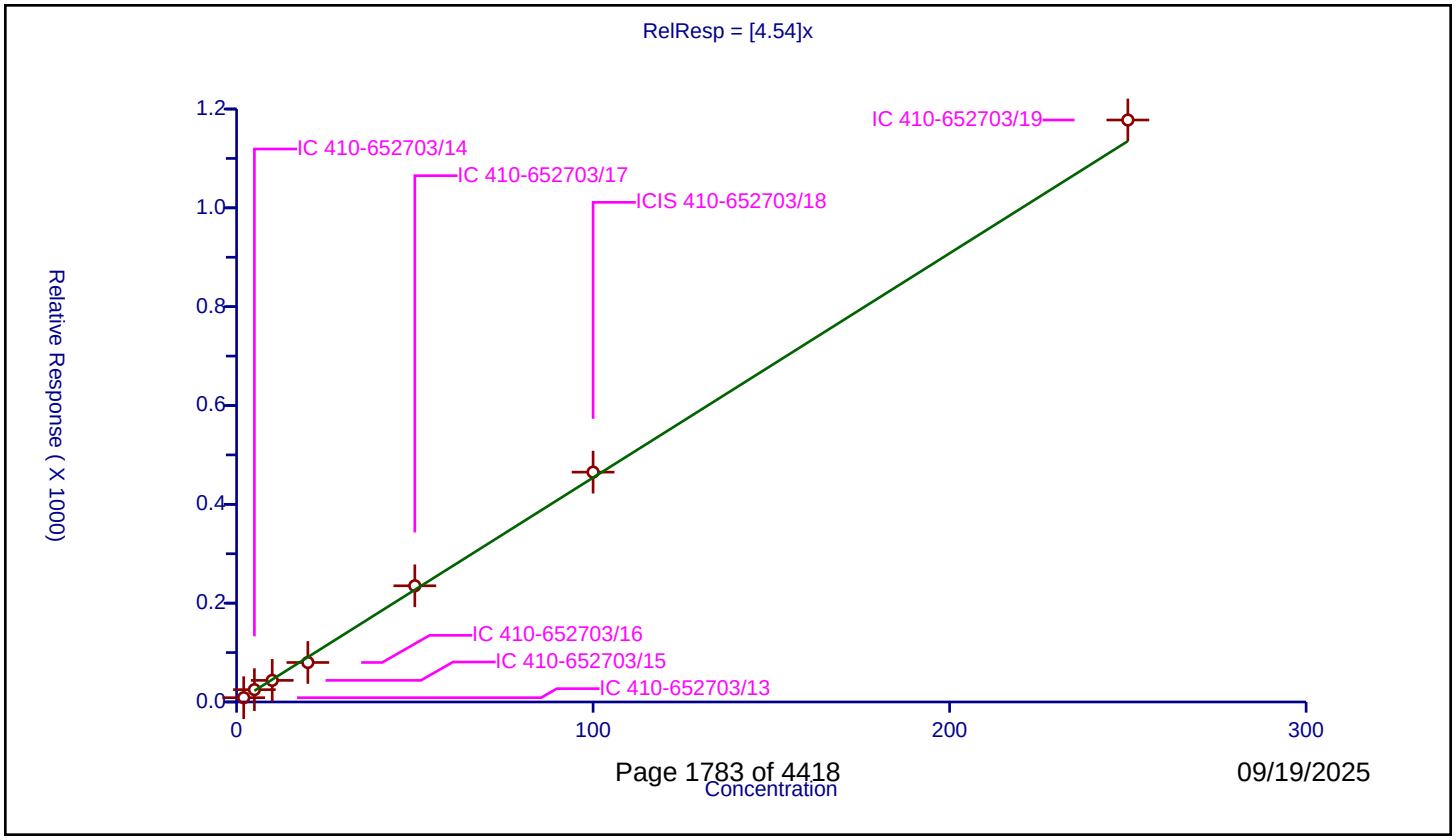
Curve Coefficients

Intercept:	0
Slope:	4.54

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	2.0	8.698057	50.0	176275.0	4.349029	Y
2	IC 410-652703/14	5.0	24.970214	50.0	174580.0	4.994043	Y
3	IC 410-652703/15	10.0	43.7297	50.0	173955.0	4.37297	Y
4	IC 410-652703/16	20.0	79.961071	50.0	202164.0	3.998054	Y
5	IC 410-652703/17	50.0	235.160015	50.0	195044.0	4.7032	Y
6	ICIS 410-652703/18	100.0	465.15558	50.0	195687.0	4.651556	Y
7	IC 410-652703/19	250.0	1177.742485	50.0	190156.0	4.71097	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

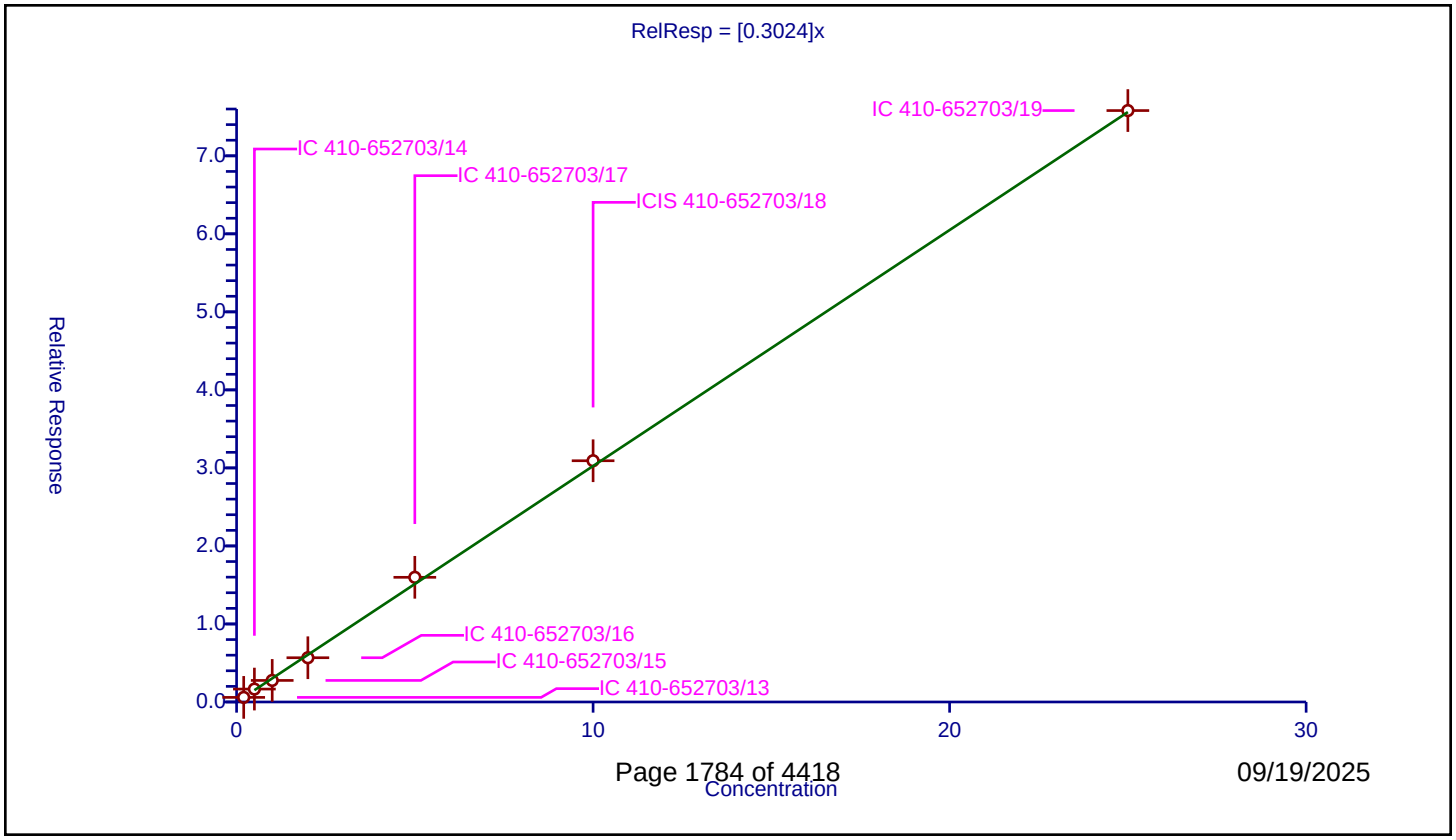
Curve Coefficients

Intercept:	0
Slope:	0.3024

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.058814	10.0	2284843.0	0.294068	Y
2	IC 410-652703/14	0.5	0.165555	10.0	2238774.0	0.33111	Y
3	IC 410-652703/15	1.0	0.276263	10.0	2276632.0	0.276263	Y
4	IC 410-652703/16	2.0	0.567162	10.0	2320746.0	0.283581	Y
5	IC 410-652703/17	5.0	1.597916	10.0	2313176.0	0.319583	Y
6	ICIS 410-652703/18	10.0	3.091989	10.0	2356745.0	0.309199	Y
7	IC 410-652703/19	25.0	7.580076	10.0	2383670.0	0.303203	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

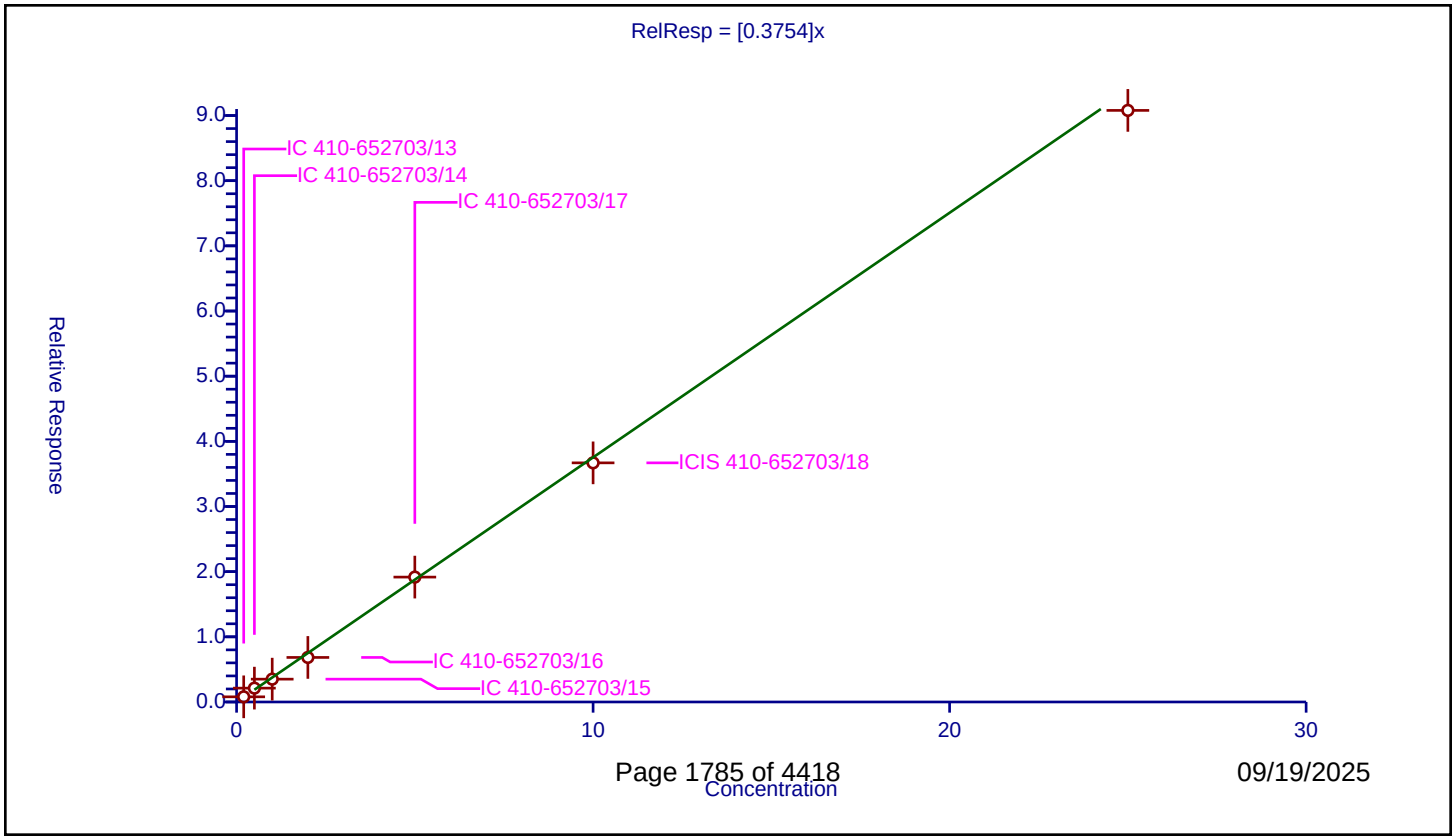
Curve Coefficients

Intercept:	0
Slope:	0.3754

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.079358	10.0	2284843.0	0.396789	Y
2	IC 410-652703/14	0.5	0.212599	10.0	2238774.0	0.425197	Y
3	IC 410-652703/15	1.0	0.350325	10.0	2276632.0	0.350325	Y
4	IC 410-652703/16	2.0	0.683784	10.0	2320746.0	0.341892	Y
5	IC 410-652703/17	5.0	1.916599	10.0	2313176.0	0.38332	Y
6	ICIS 410-652703/18	10.0	3.669952	10.0	2356745.0	0.366995	Y
7	IC 410-652703/19	25.0	9.078757	10.0	2383670.0	0.36315	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

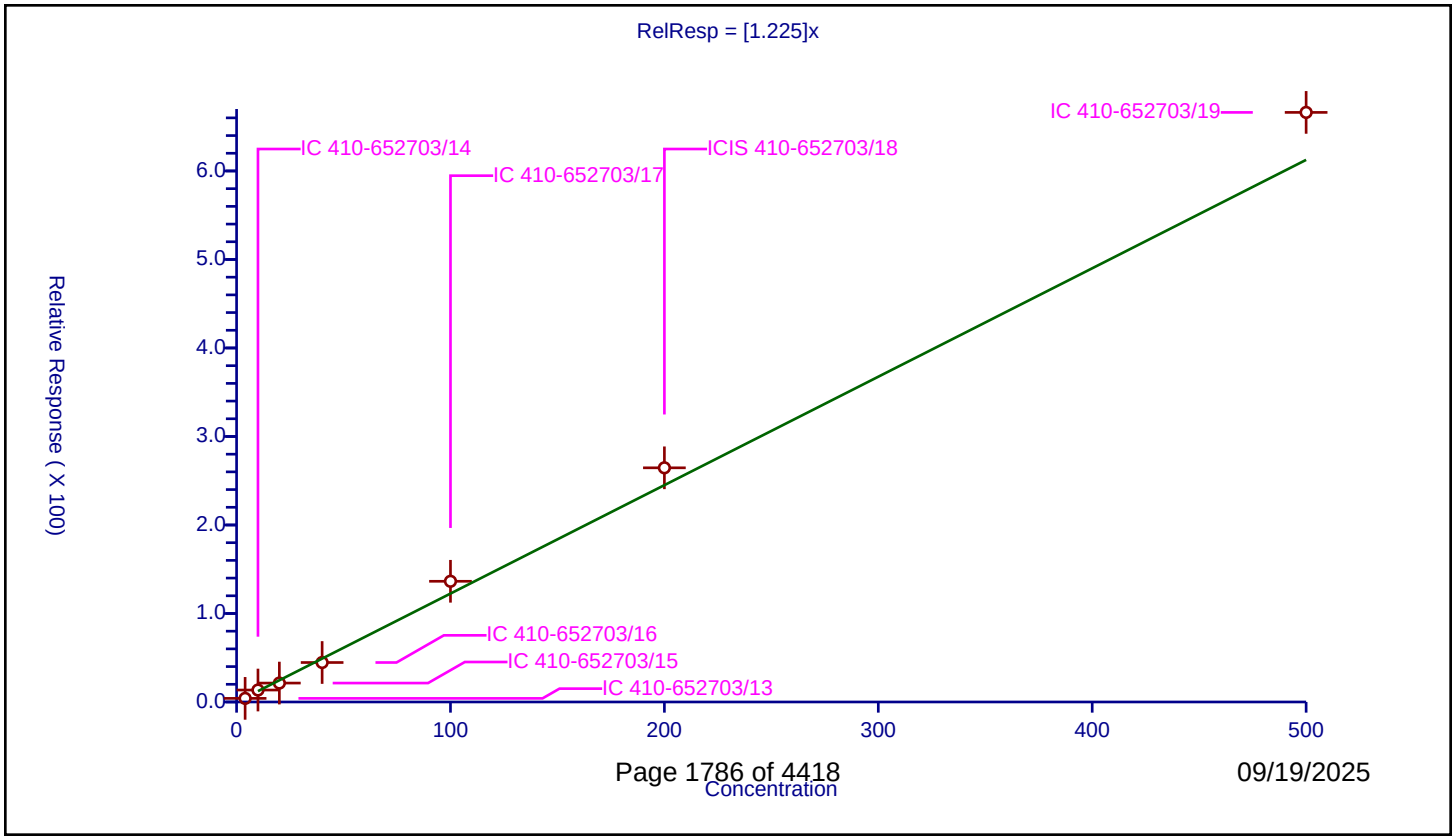
Curve Coefficients

Intercept:	0
Slope:	1.225

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	4.0	4.086229	50.0	176275.0	1.021557	Y
2	IC 410-652703/14	10.0	13.506988	50.0	174580.0	1.350699	Y
3	IC 410-652703/15	20.0	21.369895	50.0	173955.0	1.068495	Y
4	IC 410-652703/16	40.0	44.617489	50.0	202164.0	1.115437	Y
5	IC 410-652703/17	100.0	136.389738	50.0	195044.0	1.363897	Y
6	ICIS 410-652703/18	200.0	264.597035	50.0	195687.0	1.322985	Y
7	IC 410-652703/19	500.0	666.186184	50.0	190156.0	1.332372	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

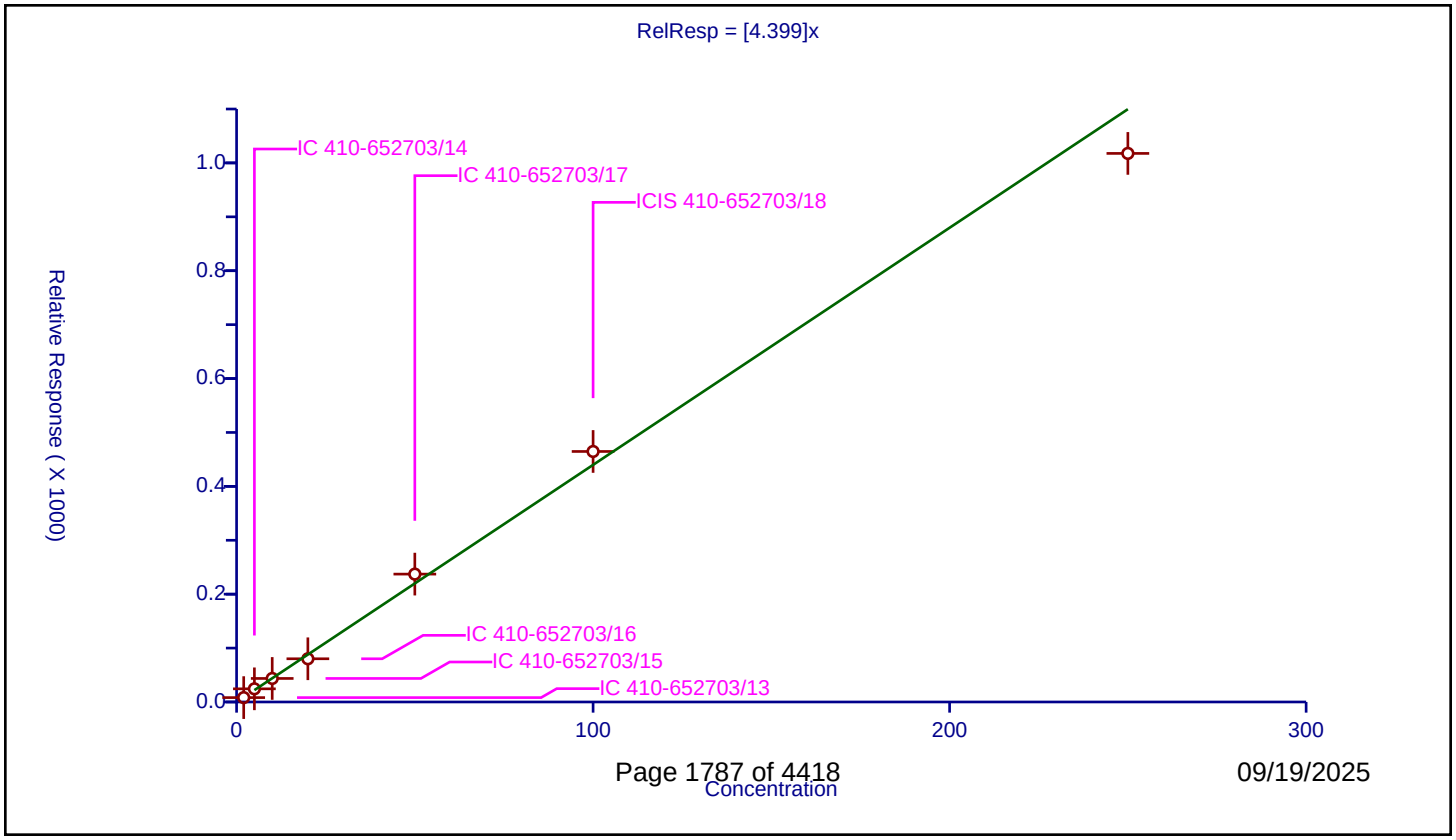
Curve Coefficients

Intercept:	0
Slope:	4.399

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	2.0	8.147213	50.0	176275.0	4.073607	Y
2	IC 410-652703/14	5.0	24.39512	50.0	174580.0	4.879024	Y
3	IC 410-652703/15	10.0	43.678825	50.0	173955.0	4.367882	Y
4	IC 410-652703/16	20.0	80.143349	50.0	202164.0	4.007167	Y
5	IC 410-652703/17	50.0	237.2175	50.0	195044.0	4.74435	Y
6	ICIS 410-652703/18	100.0	464.712526	50.0	195687.0	4.647125	Y
7	IC 410-652703/19	250.0	1017.639464	50.0	190156.0	4.070558	Y



09/19/2025

Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

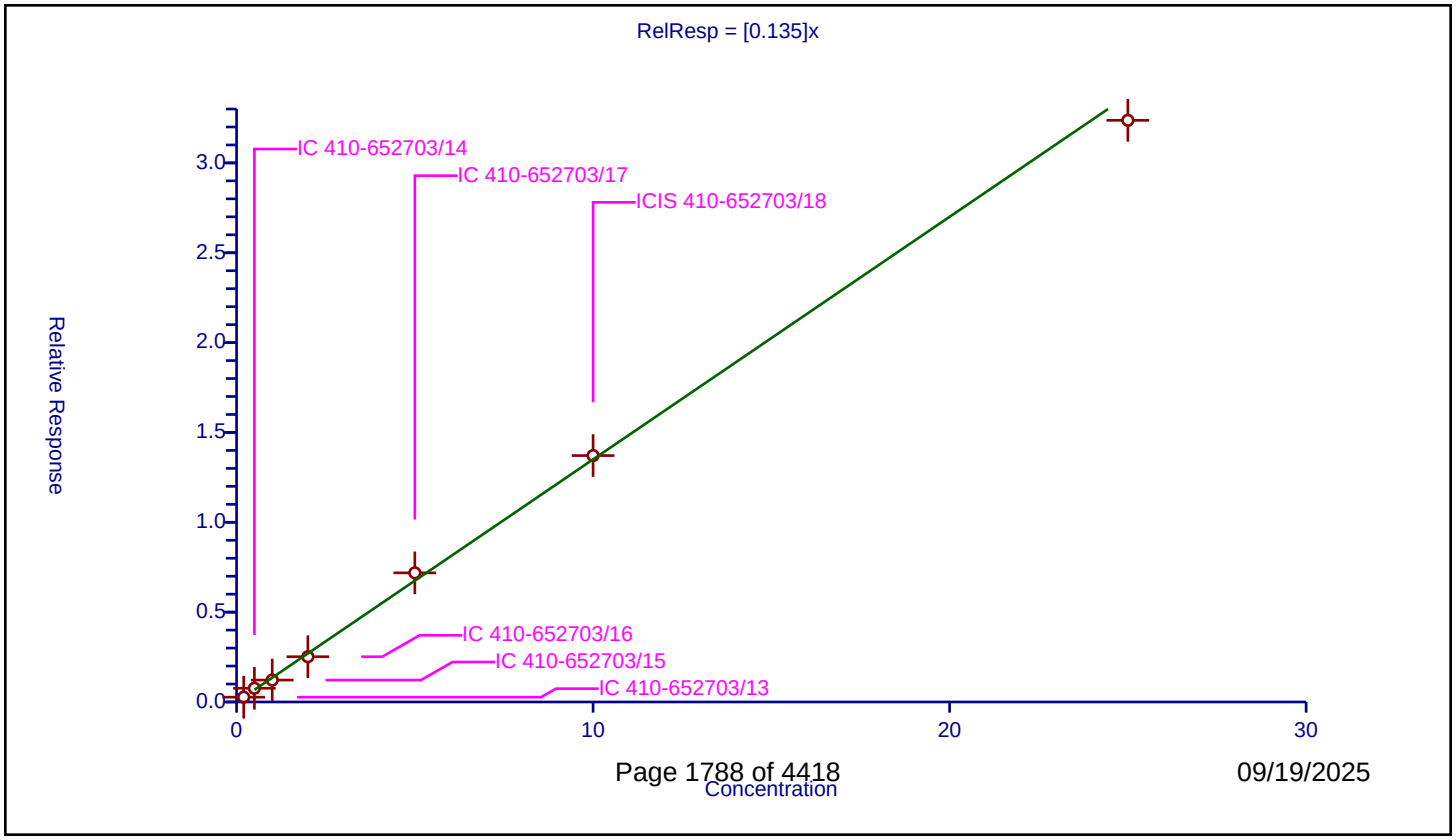
Curve Coefficients

Intercept:	0
Slope:	0.135

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.026768	10.0	2284843.0	0.133839	Y
2	IC 410-652703/14	0.5	0.076533	10.0	2238774.0	0.153066	Y
3	IC 410-652703/15	1.0	0.121842	10.0	2276632.0	0.121842	Y
4	IC 410-652703/16	2.0	0.251885	10.0	2320746.0	0.125942	Y
5	IC 410-652703/17	5.0	0.718618	10.0	2313176.0	0.143724	Y
6	ICIS 410-652703/18	10.0	1.371324	10.0	2356745.0	0.137132	Y
7	IC 410-652703/19	25.0	3.237092	10.0	2383670.0	0.129484	Y



09/19/2025

Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

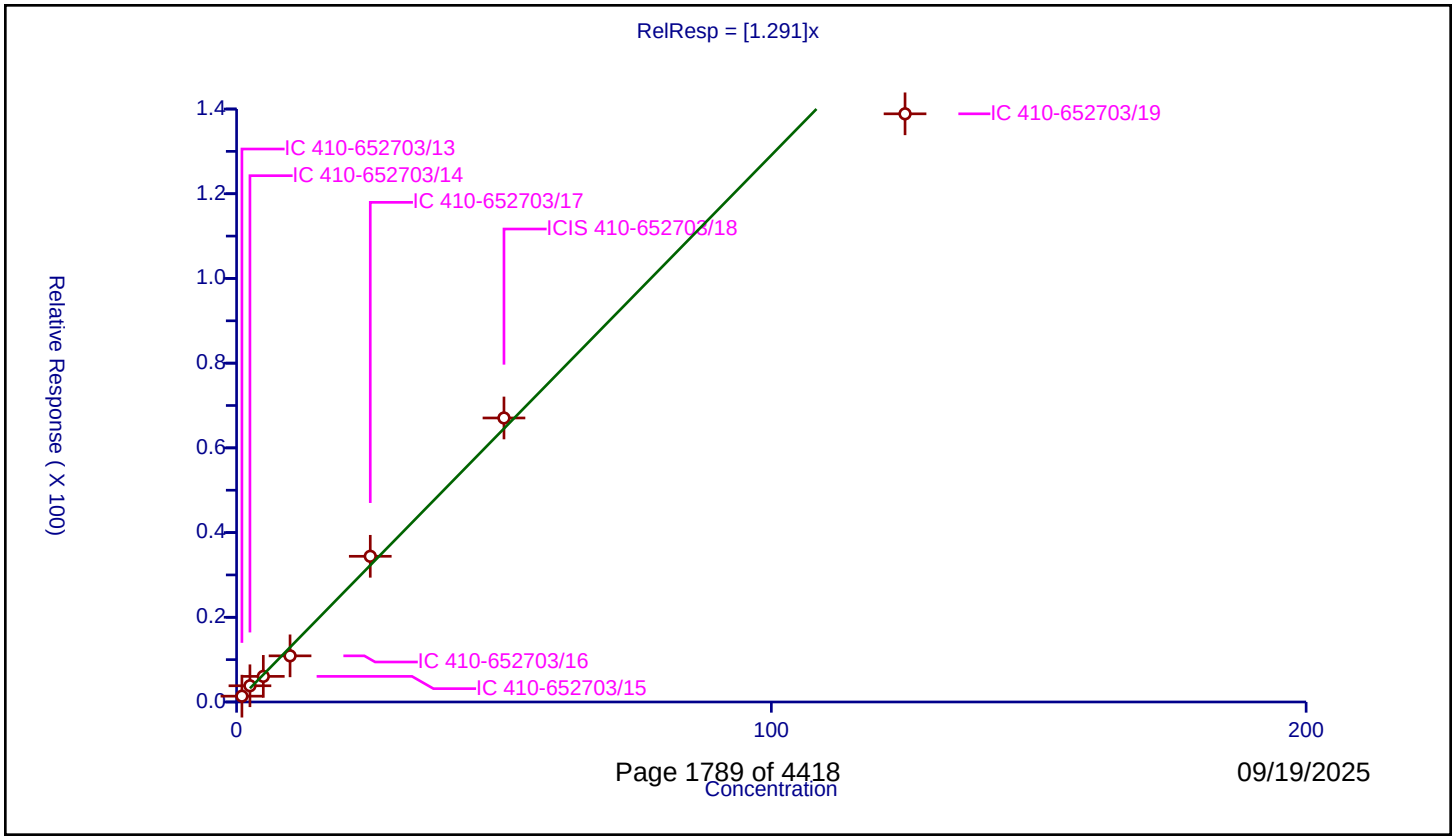
Curve Coefficients

Intercept:	0
Slope:	1.291

Error Coefficients

Relative Standard Deviation:	12.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	1.0	1.378528	50.0	176275.0	1.378528	Y
2	IC 410-652703/14	2.5	3.830049	50.0	174580.0	1.53202	Y
3	IC 410-652703/15	5.0	6.045242	50.0	173955.0	1.209048	Y
4	IC 410-652703/16	10.0	10.896599	50.0	202164.0	1.08966	Y
5	IC 410-652703/17	25.0	34.398649	50.0	195044.0	1.375946	Y
6	ICIS 410-652703/18	50.0	67.055809	50.0	195687.0	1.341116	Y
7	IC 410-652703/19	125.0	138.865195	50.0	190156.0	1.110922	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

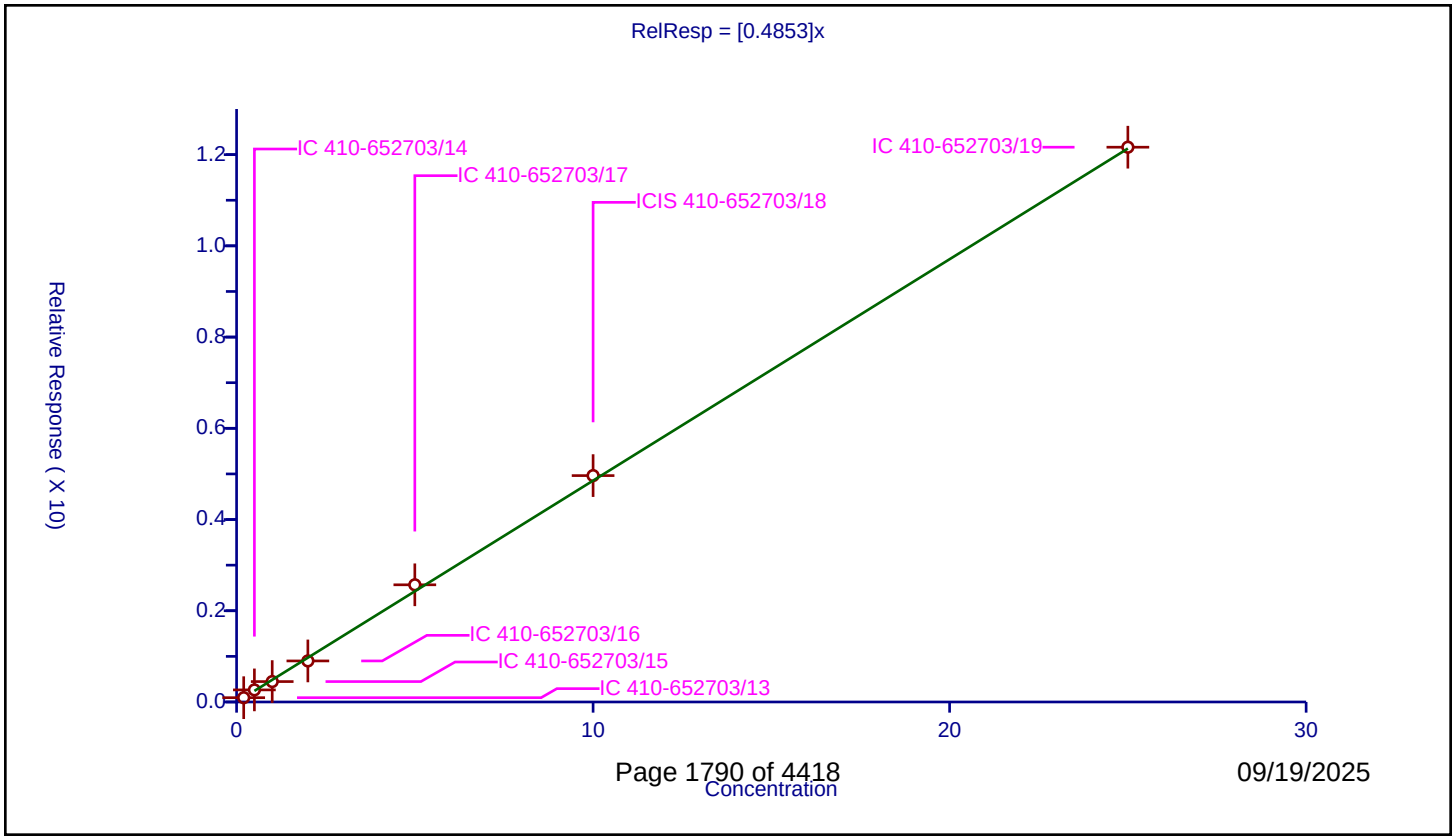
Curve Coefficients

Intercept:	0
Slope:	0.4853

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.094602	10.0	2284843.0	0.473008	Y
2	IC 410-652703/14	0.5	0.264944	10.0	2238774.0	0.529888	Y
3	IC 410-652703/15	1.0	0.447784	10.0	2276632.0	0.447784	Y
4	IC 410-652703/16	2.0	0.900219	10.0	2320746.0	0.45011	Y
5	IC 410-652703/17	5.0	2.569121	10.0	2313176.0	0.513824	Y
6	ICIS 410-652703/18	10.0	4.962985	10.0	2356745.0	0.496298	Y
7	IC 410-652703/19	25.0	12.162669	10.0	2383670.0	0.486507	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

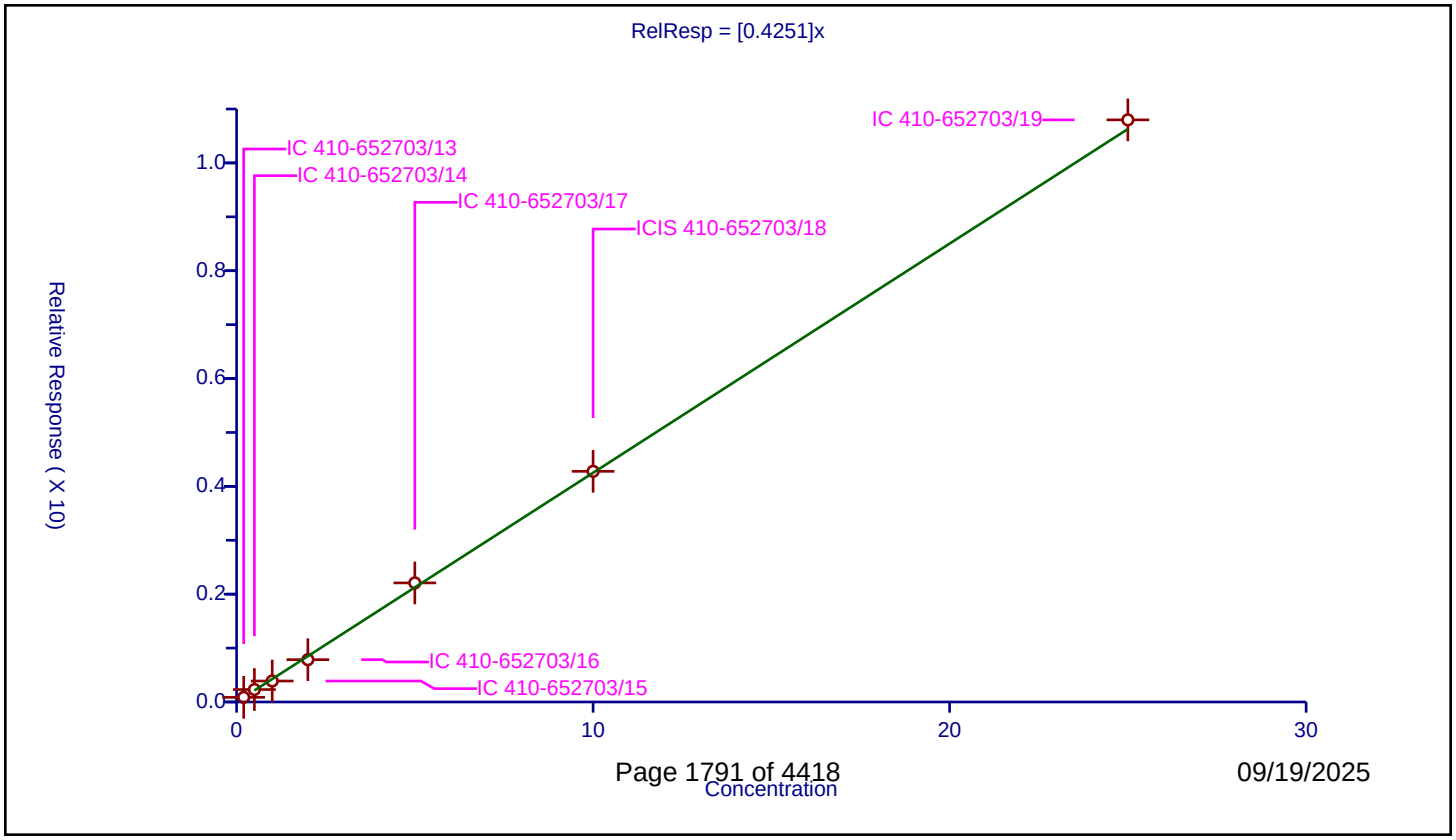
Curve Coefficients

Intercept:	0
Slope:	0.4251

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.086321	10.0	2284843.0	0.431605	Y
2	IC 410-652703/14	0.5	0.230541	10.0	2238774.0	0.461083	Y
3	IC 410-652703/15	1.0	0.389022	10.0	2276632.0	0.389022	Y
4	IC 410-652703/16	2.0	0.785153	10.0	2320746.0	0.392576	Y
5	IC 410-652703/17	5.0	2.209235	10.0	2313176.0	0.441847	Y
6	ICIS 410-652703/18	10.0	4.278872	10.0	2356745.0	0.427887	Y
7	IC 410-652703/19	25.0	10.798827	10.0	2383670.0	0.431953	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

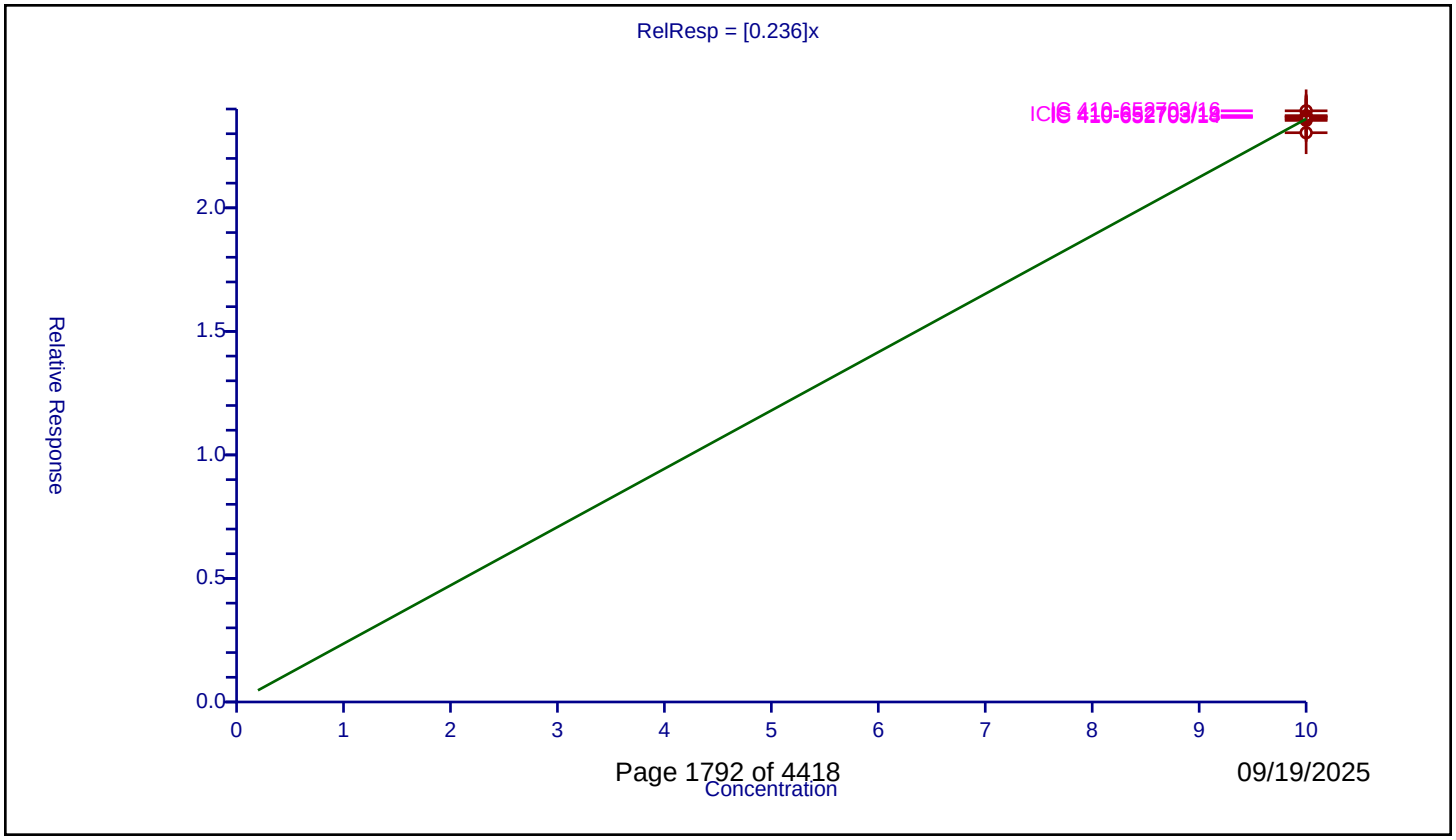
Curve Coefficients

Intercept:	0
Slope:	0.236

Error Coefficients

Relative Standard Deviation:	1.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	10.0	2.369209	10.0	2284843.0	0.236921	Y
2	IC 410-652703/14	10.0	2.365822	10.0	2238774.0	0.236582	Y
3	IC 410-652703/15	10.0	2.353788	10.0	2276632.0	0.235379	Y
4	IC 410-652703/16	10.0	2.392808	10.0	2320746.0	0.239281	Y
5	IC 410-652703/17	10.0	2.359475	10.0	2313176.0	0.235947	Y
6	ICIS 410-652703/18	10.0	2.373235	10.0	2356745.0	0.237324	Y
7	IC 410-652703/19	10.0	2.304044	10.0	2383670.0	0.230404	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

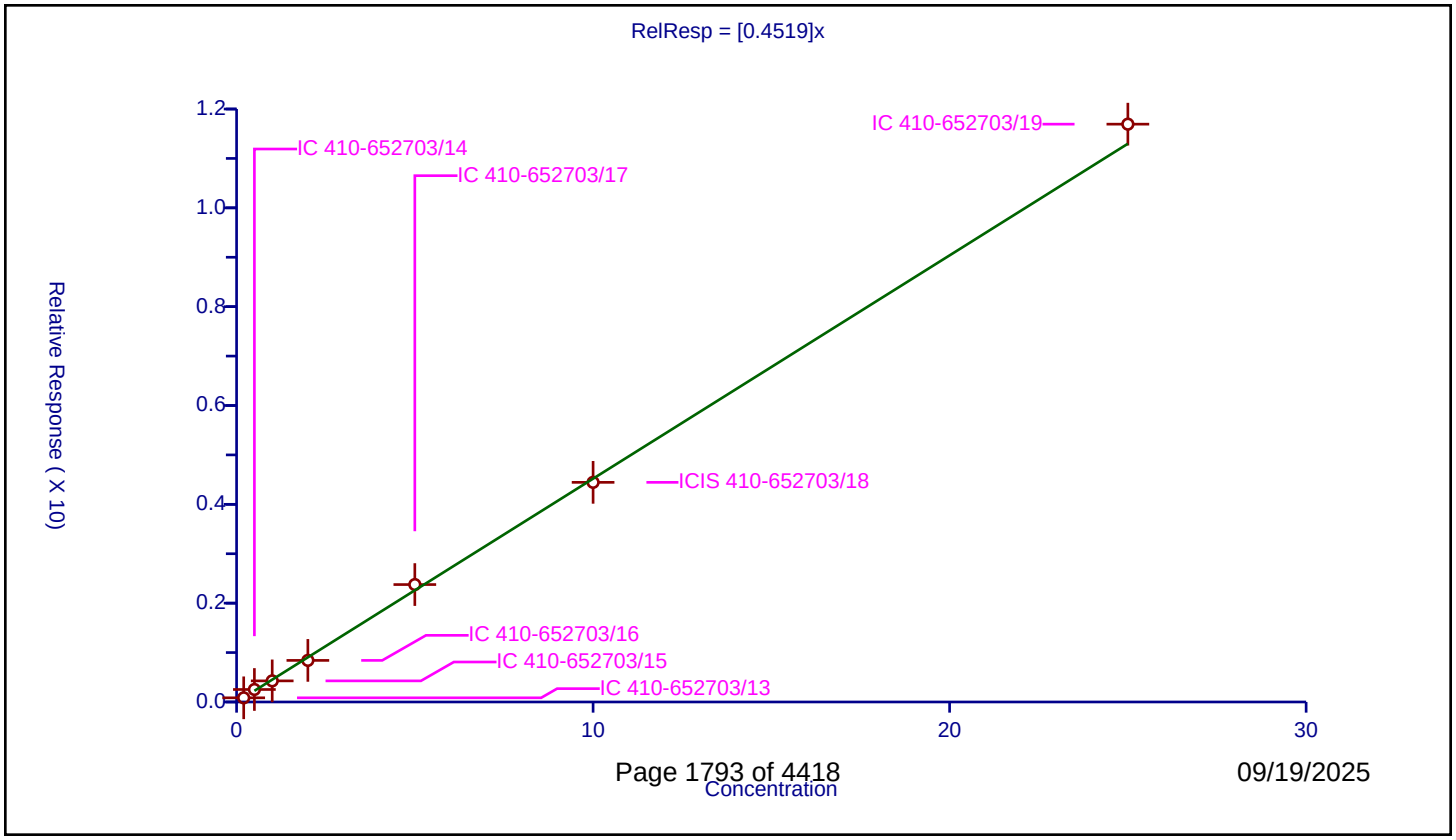
Curve Coefficients

Intercept:	0
Slope:	0.4519

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.084496	10.0	2284843.0	0.42248	Y
2	IC 410-652703/14	0.5	0.25267	10.0	2238774.0	0.505339	Y
3	IC 410-652703/15	1.0	0.427368	10.0	2276632.0	0.427368	Y
4	IC 410-652703/16	2.0	0.84138	10.0	2320746.0	0.42069	Y
5	IC 410-652703/17	5.0	2.376222	10.0	2313176.0	0.475244	Y
6	ICIS 410-652703/18	10.0	4.444728	10.0	2356745.0	0.444473	Y
7	IC 410-652703/19	25.0	11.693582	10.0	2383670.0	0.467743	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

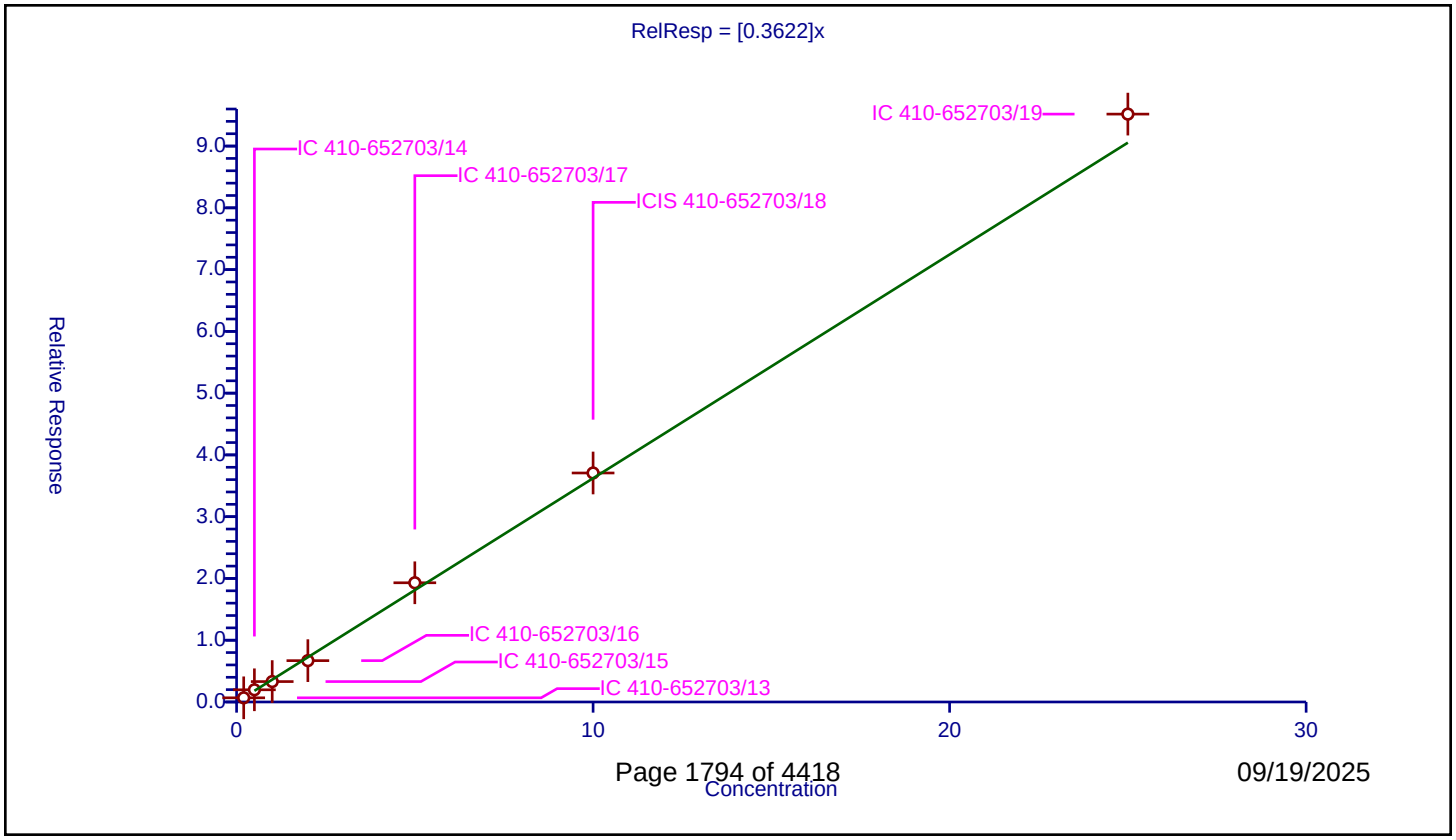
Curve Coefficients

Intercept:	0
Slope:	0.3622

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.06758	10.0	2284843.0	0.337901	Y
2	IC 410-652703/14	0.5	0.19759	10.0	2238774.0	0.395181	Y
3	IC 410-652703/15	1.0	0.330291	10.0	2276632.0	0.330291	Y
4	IC 410-652703/16	2.0	0.66922	10.0	2320746.0	0.33461	Y
5	IC 410-652703/17	5.0	1.930147	10.0	2313176.0	0.386029	Y
6	ICIS 410-652703/18	10.0	3.707363	10.0	2356745.0	0.370736	Y
7	IC 410-652703/19	25.0	9.517567	10.0	2383670.0	0.380703	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

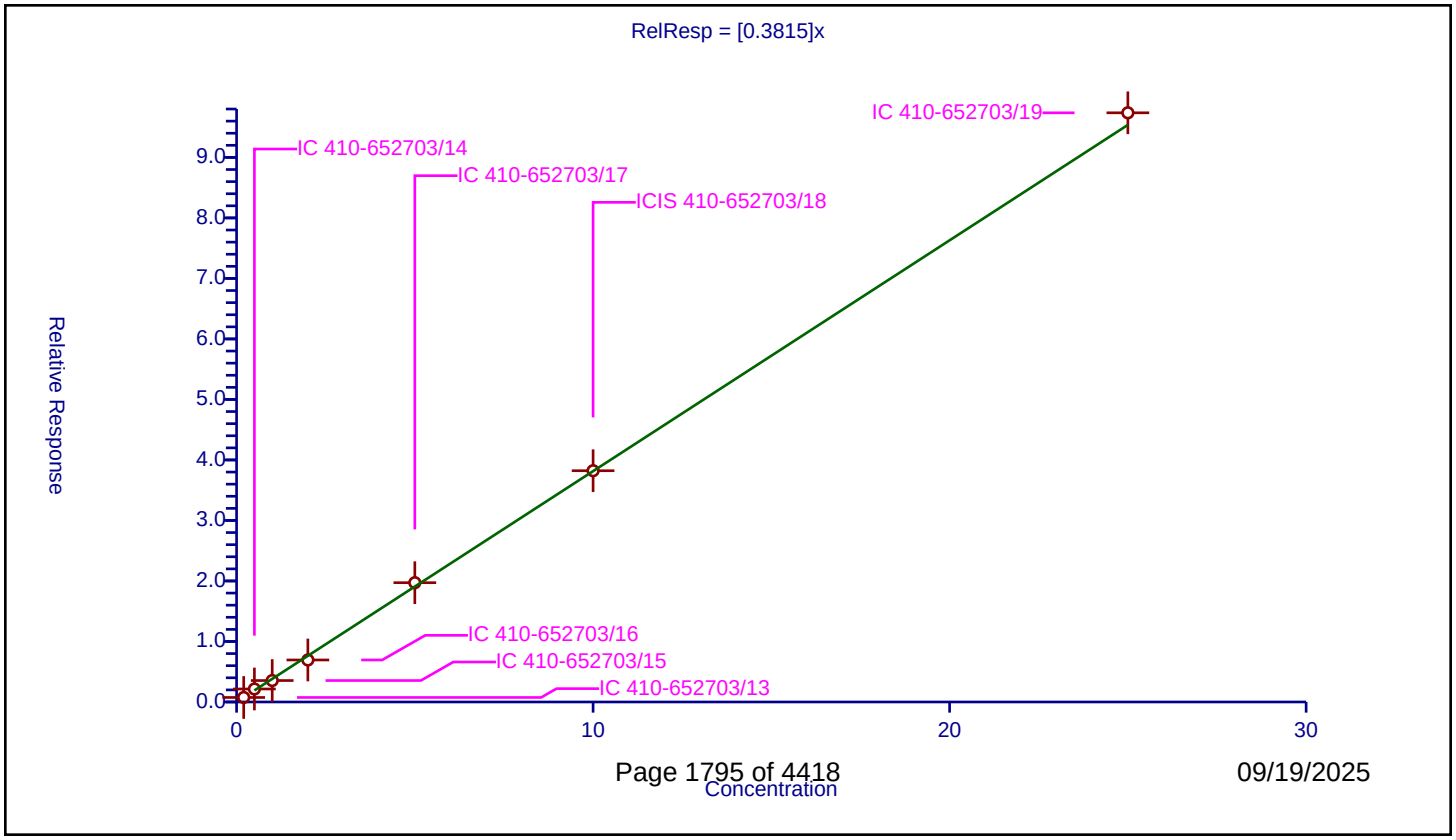
Curve Coefficients

Intercept:	0
Slope:	0.3815

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.074648	10.0	2284843.0	0.373242	Y
2	IC 410-652703/14	0.5	0.214787	10.0	2238774.0	0.429574	Y
3	IC 410-652703/15	1.0	0.354484	10.0	2276632.0	0.354484	Y
4	IC 410-652703/16	2.0	0.694169	10.0	2320746.0	0.347085	Y
5	IC 410-652703/17	5.0	1.971748	10.0	2313176.0	0.39435	Y
6	ICIS 410-652703/18	10.0	3.822149	10.0	2356745.0	0.382215	Y
7	IC 410-652703/19	25.0	9.737229	10.0	2383670.0	0.389489	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

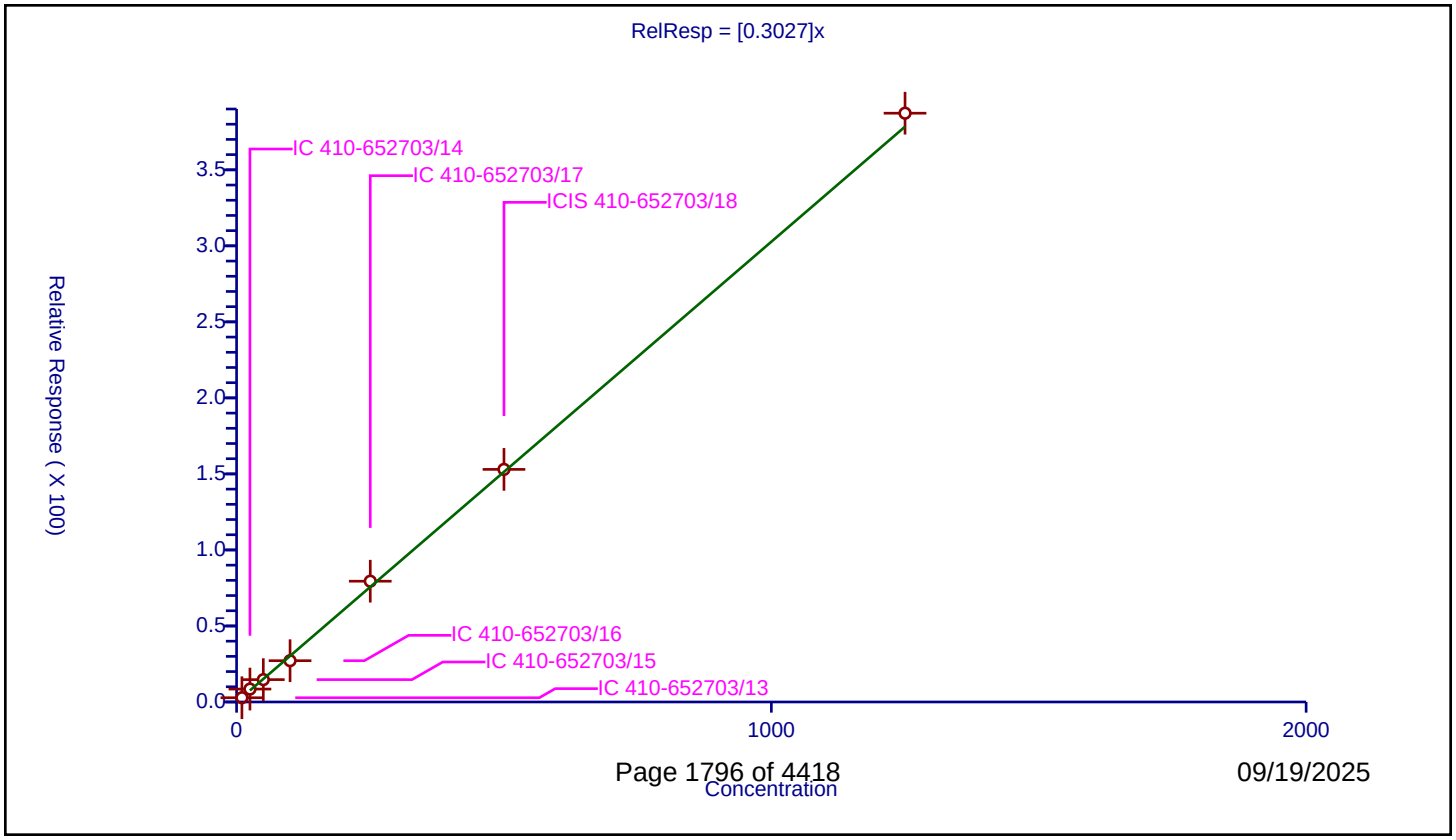
Curve Coefficients

Intercept:	0
Slope:	0.3027

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	10.0	2.801021	50.0	176275.0	0.280102	Y
2	IC 410-652703/14	25.0	8.491809	50.0	174580.0	0.339672	Y
3	IC 410-652703/15	50.0	14.705815	50.0	173955.0	0.294116	Y
4	IC 410-652703/16	100.0	27.154192	50.0	202164.0	0.271542	Y
5	IC 410-652703/17	250.0	79.441562	50.0	195044.0	0.317766	Y
6	ICIS 410-652703/18	500.0	152.987679	50.0	195687.0	0.305975	Y
7	IC 410-652703/19	1250.0	387.244683	50.0	190156.0	0.309796	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

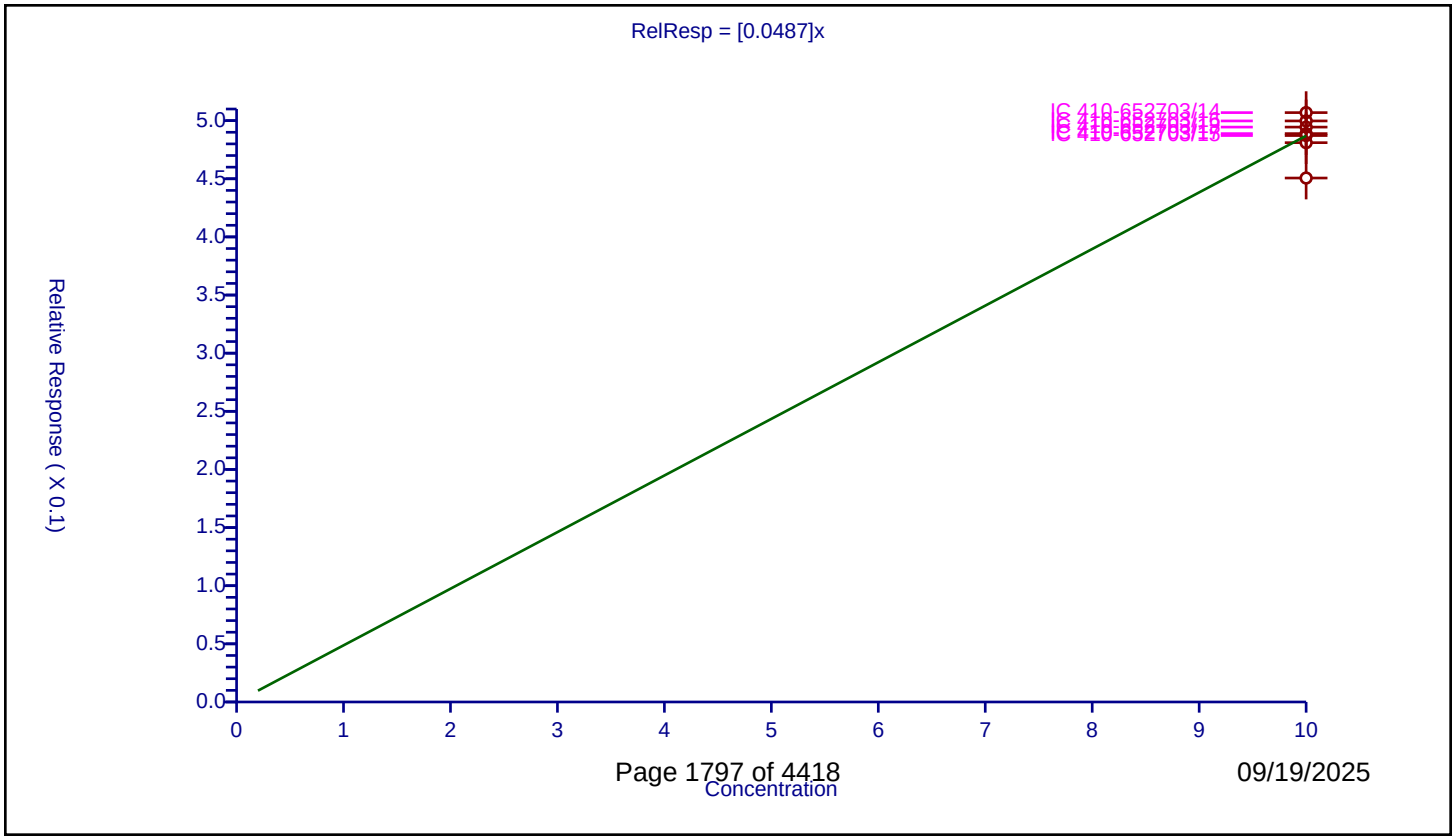
Curve Coefficients

Intercept:	0
Slope:	0.0487

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	10.0	0.49445	10.0	2284843.0	0.049445	Y
2	IC 410-652703/14	10.0	0.506902	10.0	2238774.0	0.05069	Y
3	IC 410-652703/15	10.0	0.48718	10.0	2276632.0	0.048718	Y
4	IC 410-652703/16	10.0	0.499744	10.0	2320746.0	0.049974	Y
5	IC 410-652703/17	10.0	0.488856	10.0	2313176.0	0.048886	Y
6	ICIS 410-652703/18	10.0	0.481066	10.0	2356745.0	0.048107	Y
7	IC 410-652703/19	10.0	0.450633	10.0	2383670.0	0.045063	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

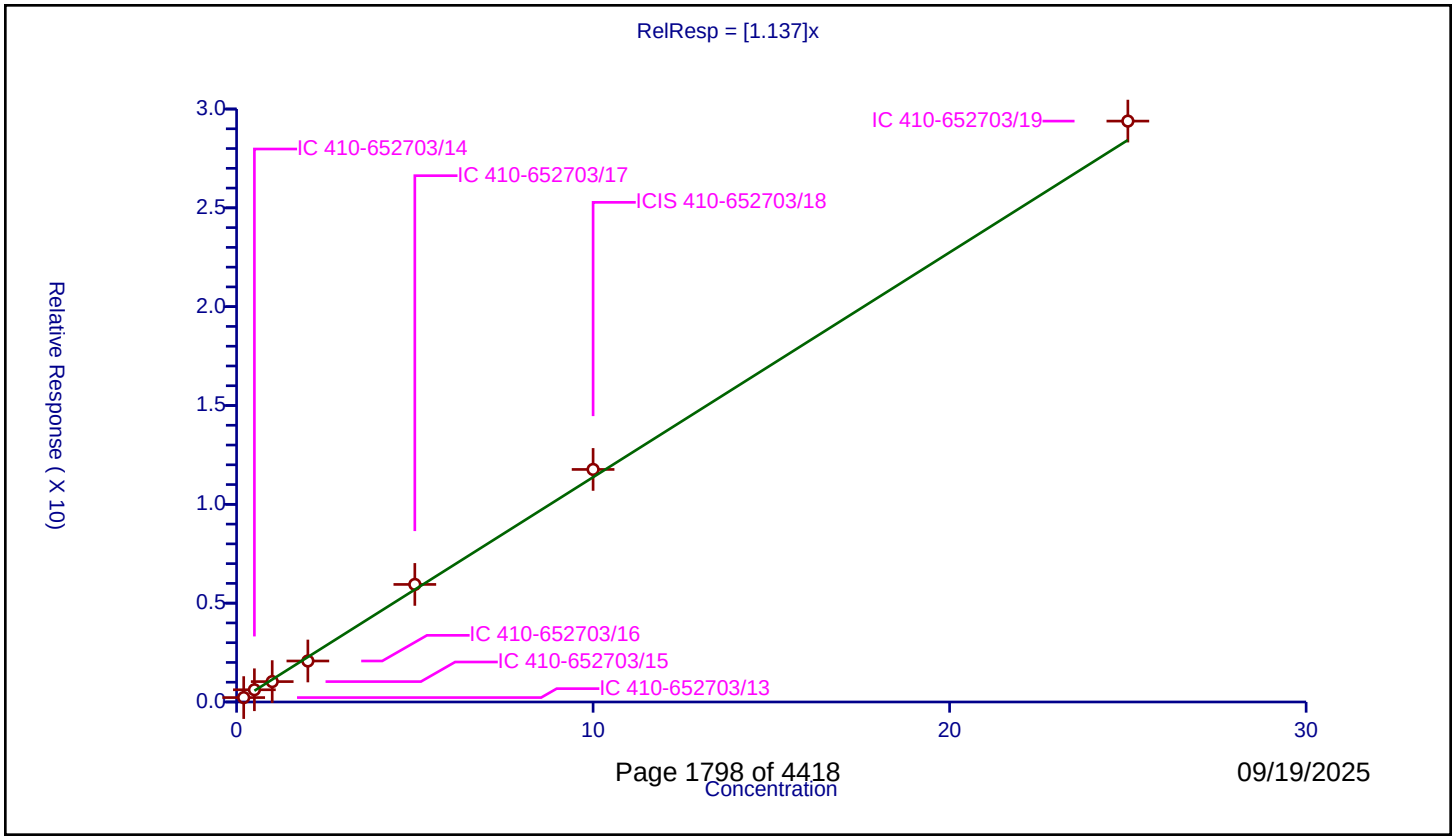
Curve Coefficients

Intercept:	0
Slope:	1.137

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.222641	10.0	2284843.0	1.113206	Y
2	IC 410-652703/14	0.5	0.618584	10.0	2238774.0	1.237168	Y
3	IC 410-652703/15	1.0	1.031374	10.0	2276632.0	1.031374	Y
4	IC 410-652703/16	2.0	2.074734	10.0	2320746.0	1.037367	Y
5	IC 410-652703/17	5.0	5.948198	10.0	2313176.0	1.18964	Y
6	ICIS 410-652703/18	10.0	11.764595	10.0	2356745.0	1.176459	Y
7	IC 410-652703/19	25.0	29.388909	10.0	2383670.0	1.175556	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

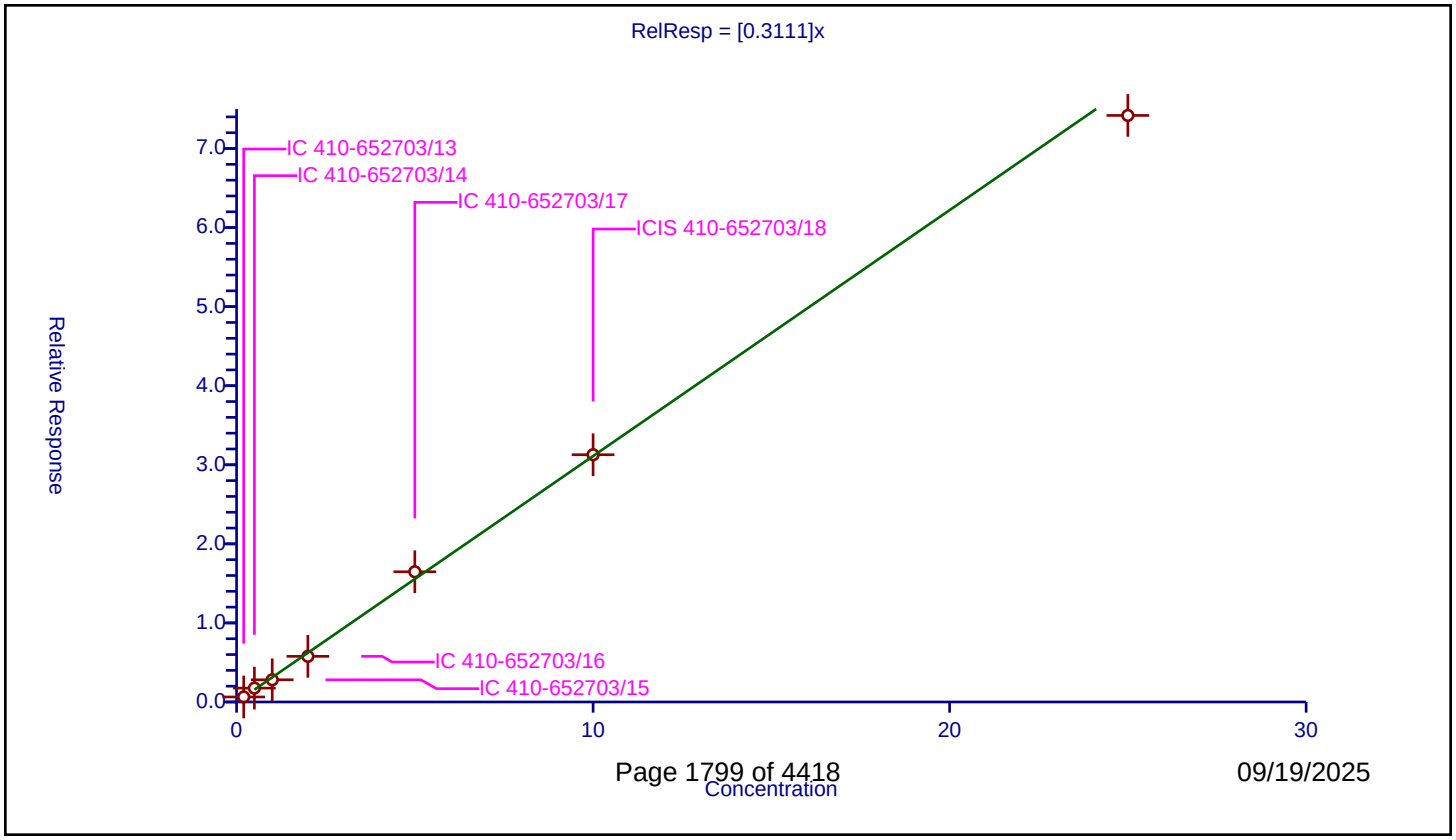
Curve Coefficients

Intercept:	0
Slope:	0.3111

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.063628	10.0	2284843.0	0.31814	Y
2	IC 410-652703/14	0.5	0.175449	10.0	2238774.0	0.350897	Y
3	IC 410-652703/15	1.0	0.28088	10.0	2276632.0	0.28088	Y
4	IC 410-652703/16	2.0	0.577133	10.0	2320746.0	0.288567	Y
5	IC 410-652703/17	5.0	1.646961	10.0	2313176.0	0.329392	Y
6	ICIS 410-652703/18	10.0	3.127407	10.0	2356745.0	0.312741	Y
7	IC 410-652703/19	25.0	7.418653	10.0	2383670.0	0.296746	Y



Calibration / Tert-amyl methyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

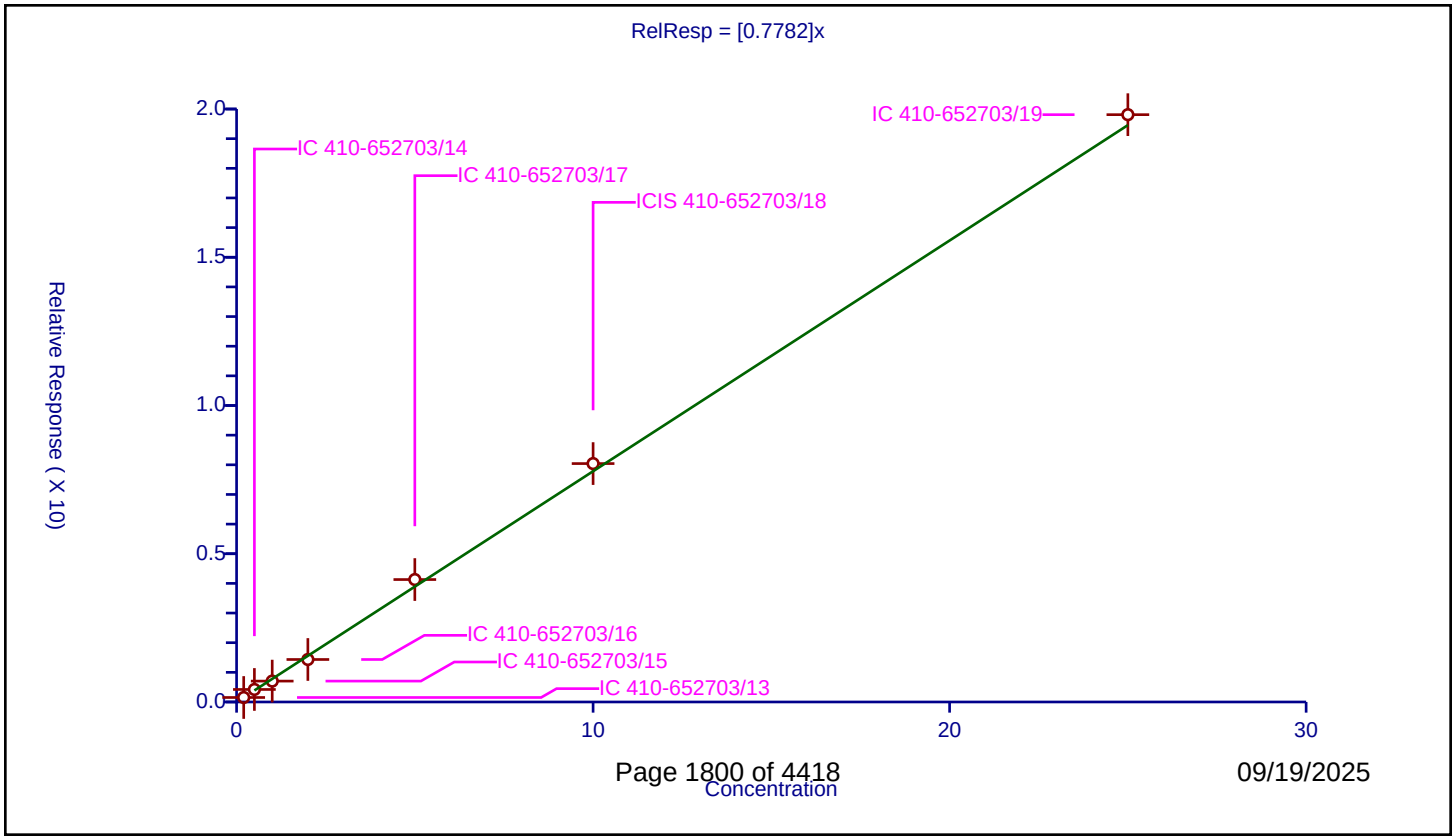
Curve Coefficients

Intercept:	0
Slope:	0.7782

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.151809	10.0	2284843.0	0.759046	Y
2	IC 410-652703/14	0.5	0.42258	10.0	2238774.0	0.845159	Y
3	IC 410-652703/15	1.0	0.704326	10.0	2276632.0	0.704326	Y
4	IC 410-652703/16	2.0	1.433246	10.0	2320746.0	0.716623	Y
5	IC 410-652703/17	5.0	4.129539	10.0	2313176.0	0.825908	Y
6	ICIS 410-652703/18	10.0	8.040993	10.0	2356745.0	0.804099	Y
7	IC 410-652703/19	25.0	19.809458	10.0	2383670.0	0.792378	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

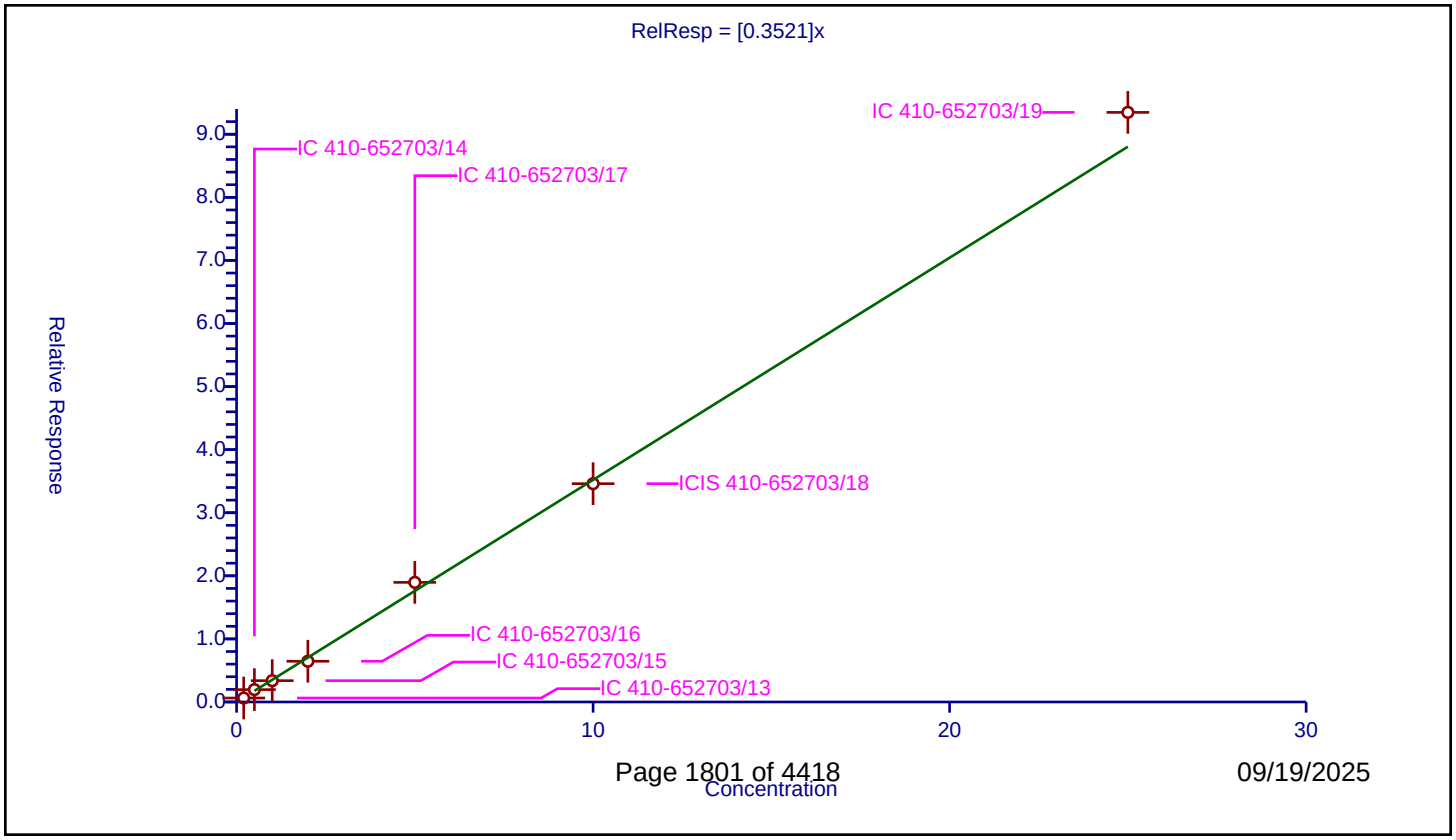
Curve Coefficients

Intercept:	0
Slope:	0.3521

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.062621	10.0	2284843.0	0.313107	Y
2	IC 410-652703/14	0.5	0.19575	10.0	2238774.0	0.3915	Y
3	IC 410-652703/15	1.0	0.338048	10.0	2276632.0	0.338048	Y
4	IC 410-652703/16	2.0	0.645887	10.0	2320746.0	0.322944	Y
5	IC 410-652703/17	5.0	1.896055	10.0	2313176.0	0.379211	Y
6	ICIS 410-652703/18	10.0	3.460553	10.0	2356745.0	0.346055	Y
7	IC 410-652703/19	25.0	9.346776	10.0	2383670.0	0.373871	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

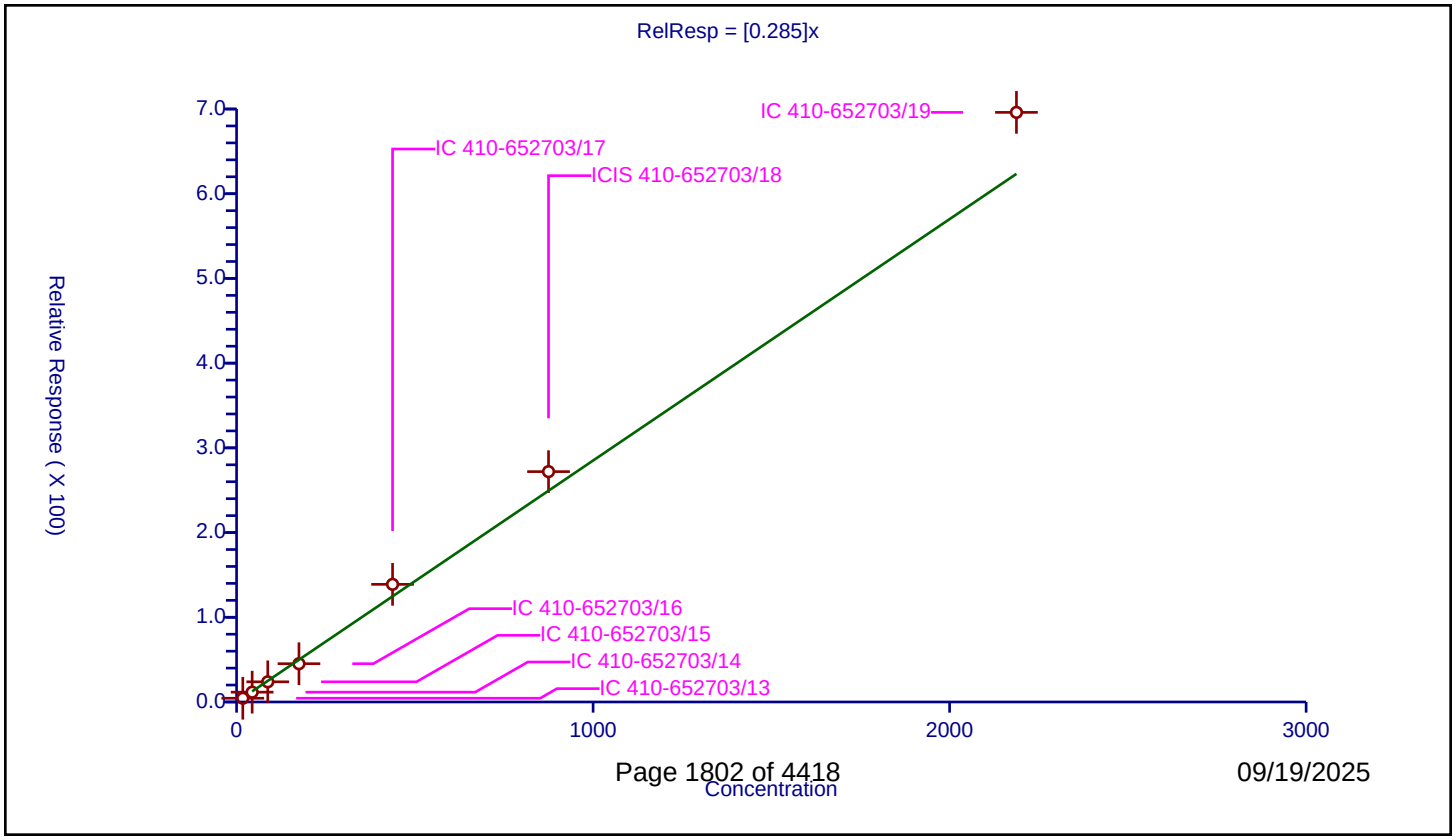
Curve Coefficients

Intercept:	0
Slope:	0.285

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	17.5	4.433697	50.0	176275.0	0.253354	Y
2	IC 410-652703/14	43.75	11.599267	50.0	174580.0	0.265126	Y
3	IC 410-652703/15	87.5	23.803857	50.0	173955.0	0.272044	Y
4	IC 410-652703/16	175.0	45.175452	50.0	202164.0	0.258145	Y
5	IC 410-652703/17	437.5	138.885585	50.0	195044.0	0.317453	Y
6	ICIS 410-652703/18	875.0	271.937328	50.0	195687.0	0.310786	Y
7	IC 410-652703/19	2187.5	696.035886	50.0	190156.0	0.318188	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

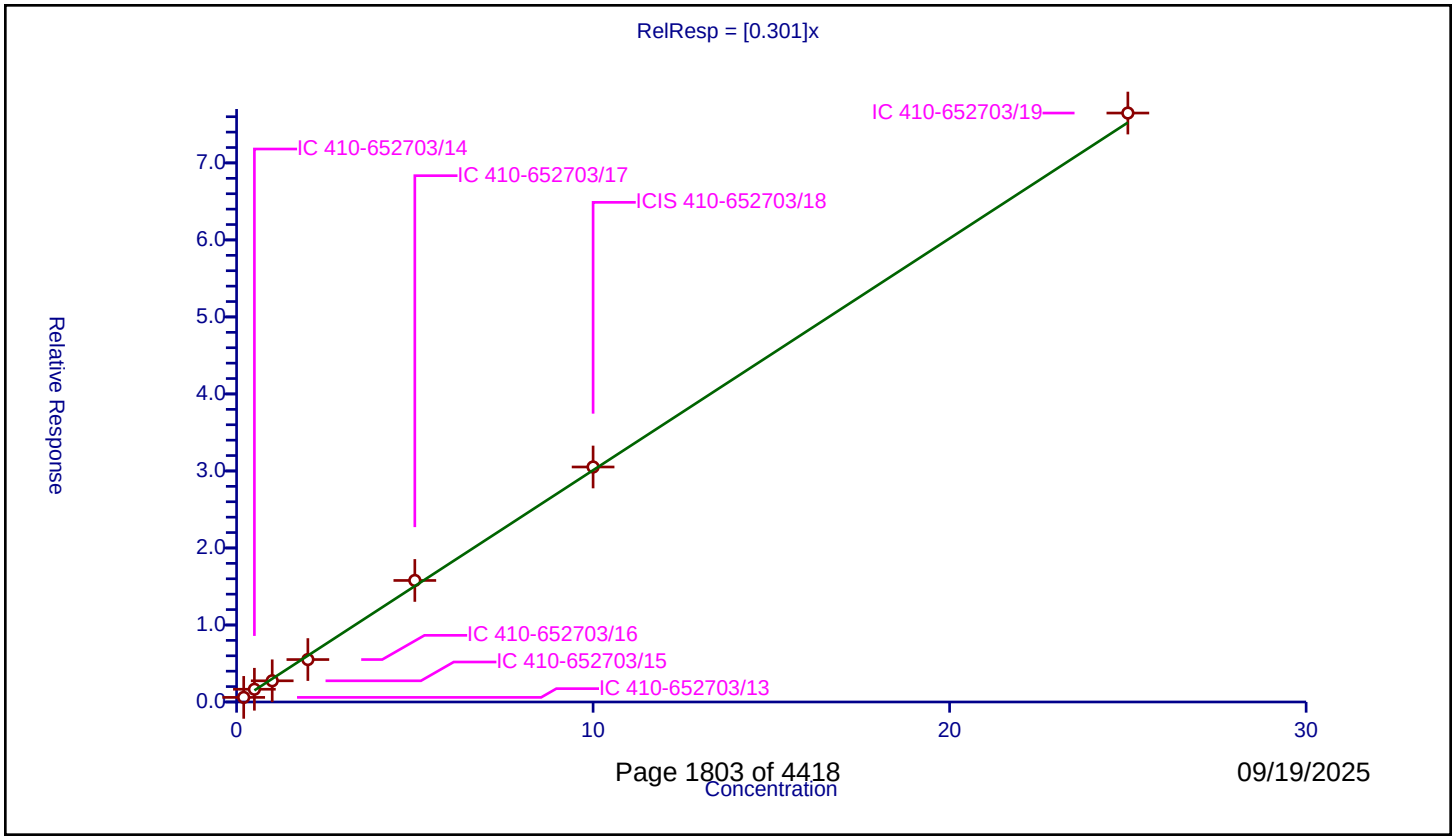
Curve Coefficients

Intercept:	0
Slope:	0.301

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.059829	10.0	2284843.0	0.299145	Y
2	IC 410-652703/14	0.5	0.165202	10.0	2238774.0	0.330404	Y
3	IC 410-652703/15	1.0	0.275143	10.0	2276632.0	0.275143	Y
4	IC 410-652703/16	2.0	0.550956	10.0	2320746.0	0.275478	Y
5	IC 410-652703/17	5.0	1.578142	10.0	2313176.0	0.315628	Y
6	ICIS 410-652703/18	10.0	3.051641	10.0	2356745.0	0.305164	Y
7	IC 410-652703/19	25.0	7.647799	10.0	2383670.0	0.305912	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

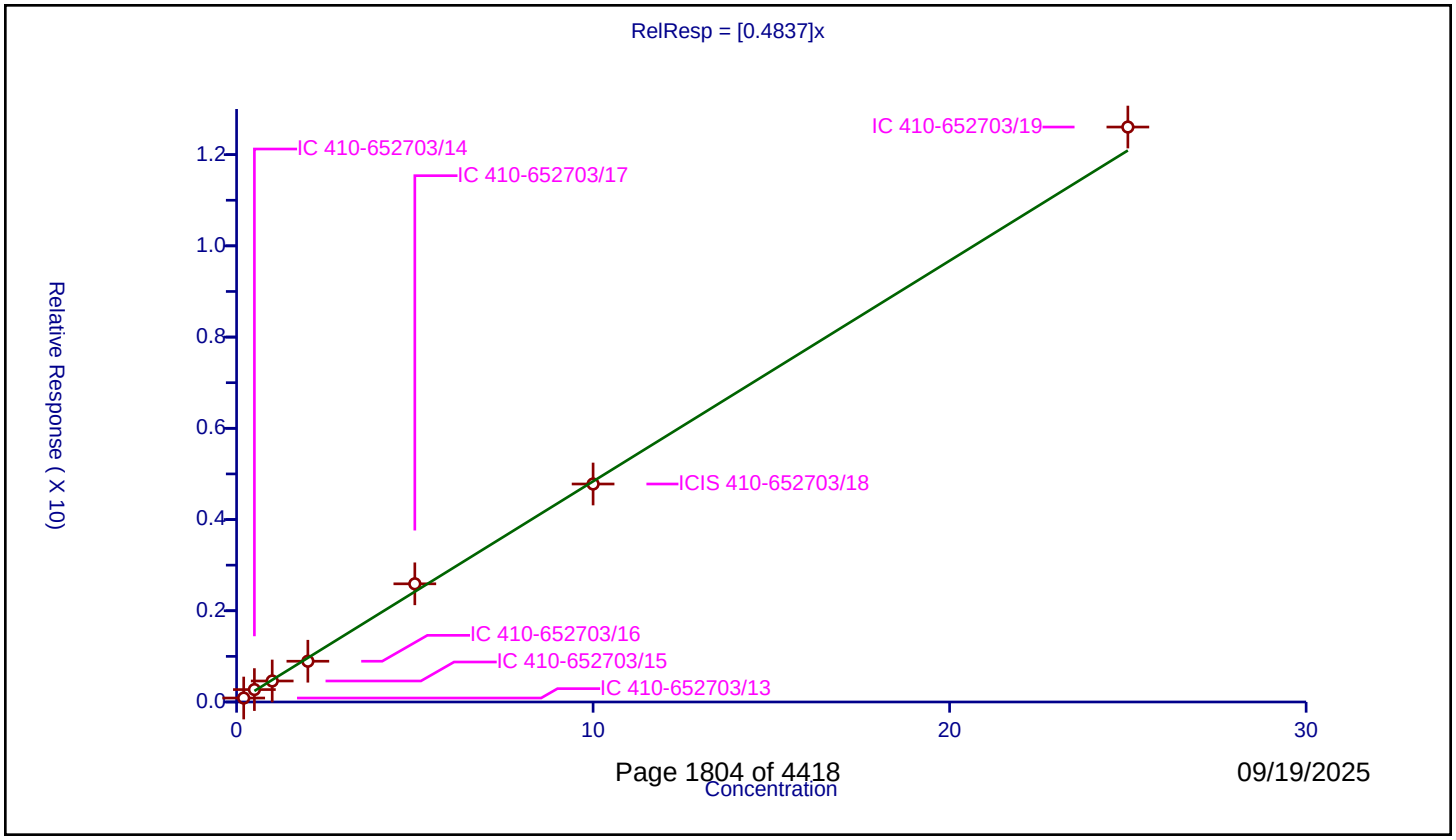
Curve Coefficients

Intercept:	0
Slope:	0.4837

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.086894	10.0	2284843.0	0.434472	Y
2	IC 410-652703/14	0.5	0.27185	10.0	2238774.0	0.543699	Y
3	IC 410-652703/15	1.0	0.460369	10.0	2276632.0	0.460369	Y
4	IC 410-652703/16	2.0	0.893838	10.0	2320746.0	0.446919	Y
5	IC 410-652703/17	5.0	2.590508	10.0	2313176.0	0.518102	Y
6	ICIS 410-652703/18	10.0	4.778981	10.0	2356745.0	0.477898	Y
7	IC 410-652703/19	25.0	12.604681	10.0	2383670.0	0.504187	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

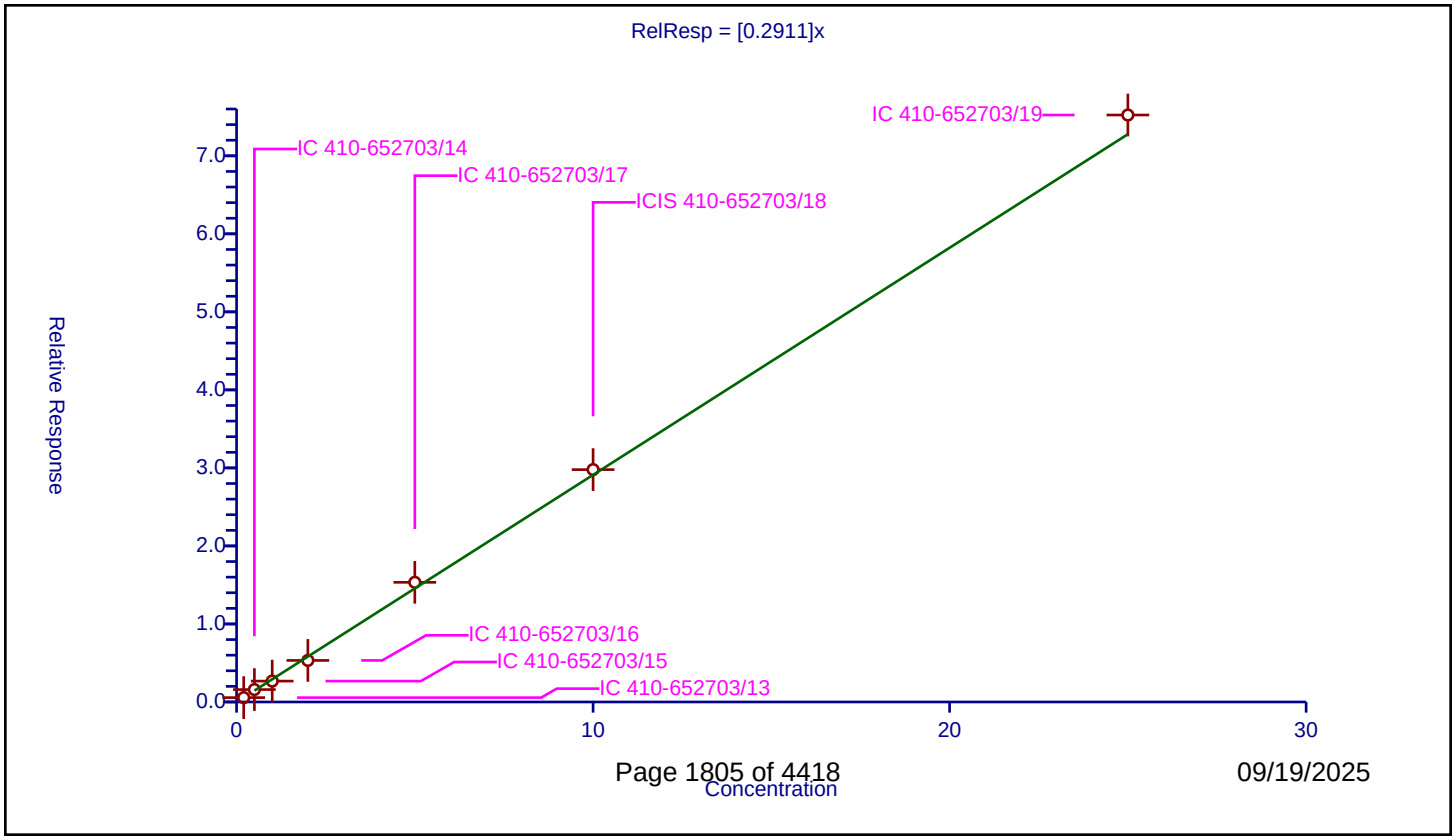
Curve Coefficients

Intercept:	0
Slope:	0.2911

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.055824	10.0	2284843.0	0.279122	Y
2	IC 410-652703/14	0.5	0.159257	10.0	2238774.0	0.318514	Y
3	IC 410-652703/15	1.0	0.267948	10.0	2276632.0	0.267948	Y
4	IC 410-652703/16	2.0	0.532777	10.0	2320746.0	0.266388	Y
5	IC 410-652703/17	5.0	1.533774	10.0	2313176.0	0.306755	Y
6	ICIS 410-652703/18	10.0	2.977938	10.0	2356745.0	0.297794	Y
7	IC 410-652703/19	25.0	7.522954	10.0	2383670.0	0.300918	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

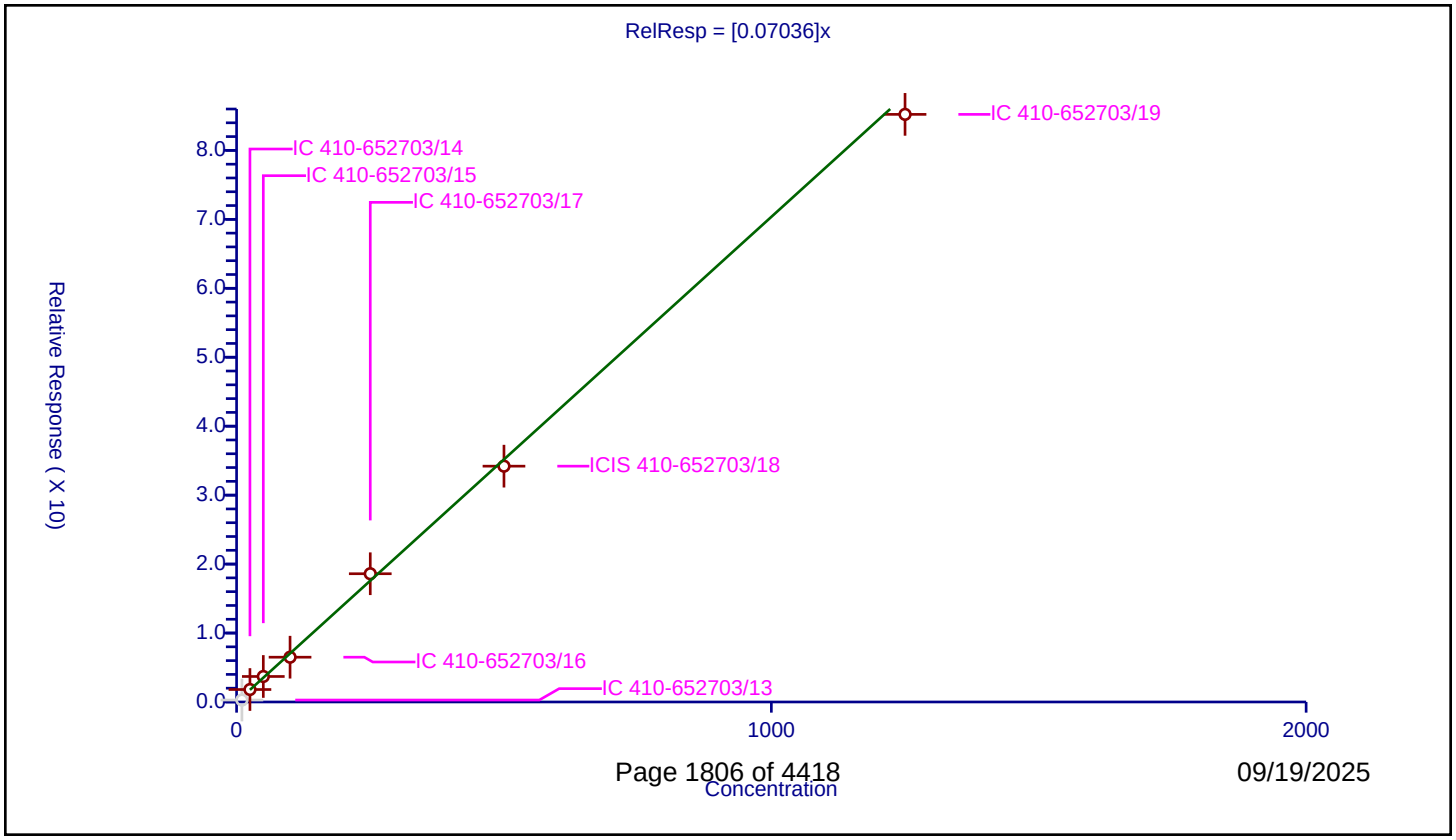
Curve Coefficients

Intercept:	0
Slope:	0.07036

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	10.0	0.284782	50.0	176275.0	0.028478	N
2	IC 410-652703/14	25.0	1.806335	50.0	174580.0	0.072253	Y
3	IC 410-652703/15	50.0	3.69837	50.0	173955.0	0.073967	Y
4	IC 410-652703/16	100.0	6.496458	50.0	202164.0	0.064965	Y
5	IC 410-652703/17	250.0	18.599137	50.0	195044.0	0.074397	Y
6	ICIS 410-652703/18	500.0	34.201812	50.0	195687.0	0.068404	Y
7	IC 410-652703/19	1250.0	85.221082	50.0	190156.0	0.068177	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

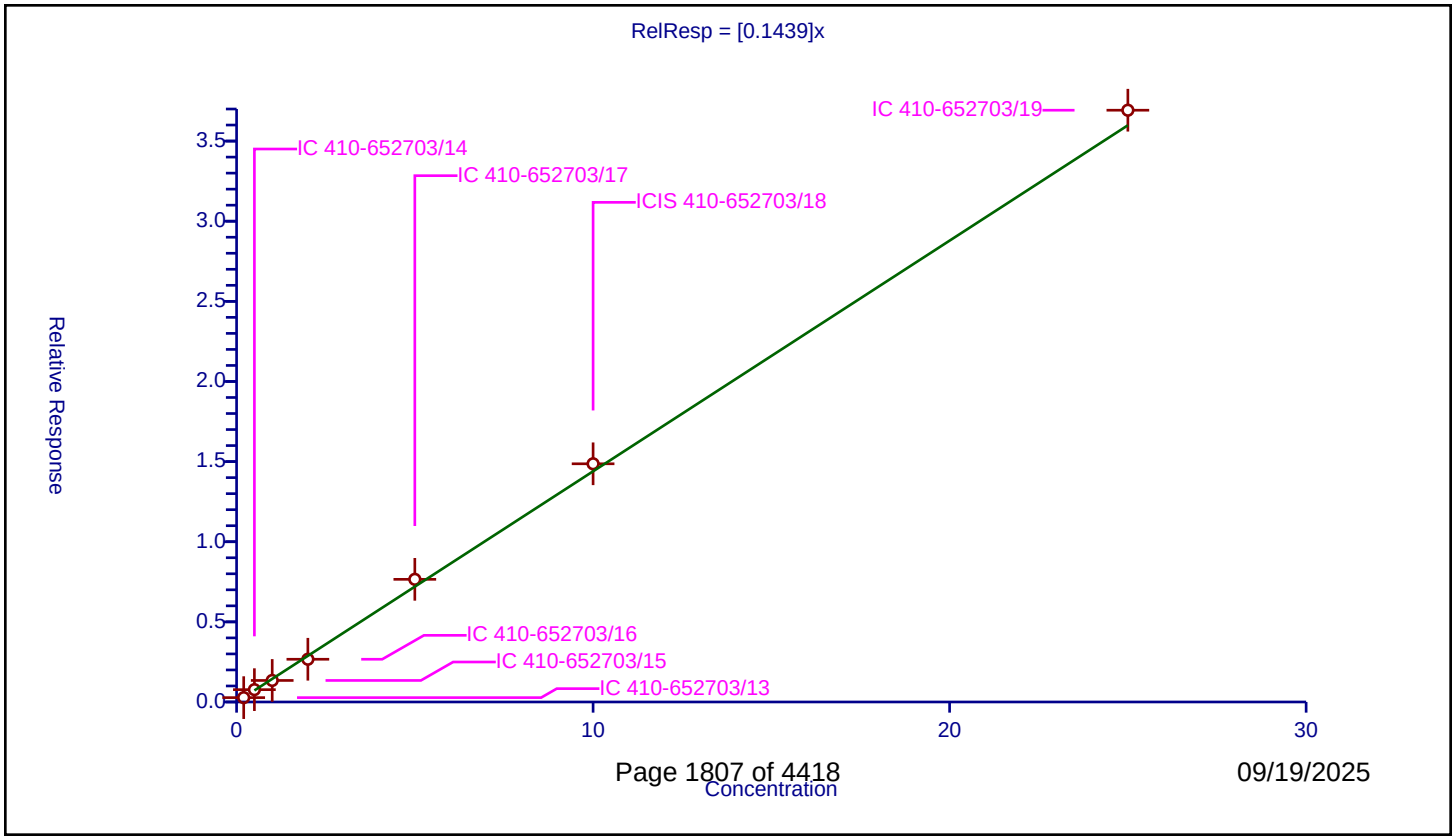
Curve Coefficients

Intercept:	0
Slope:	0.1439

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.027275	10.0	2284843.0	0.136377	Y
2	IC 410-652703/14	0.5	0.077015	10.0	2238774.0	0.154031	Y
3	IC 410-652703/15	1.0	0.1344	10.0	2276632.0	0.1344	Y
4	IC 410-652703/16	2.0	0.266621	10.0	2320746.0	0.133311	Y
5	IC 410-652703/17	5.0	0.765337	10.0	2313176.0	0.153067	Y
6	ICIS 410-652703/18	10.0	1.486351	10.0	2356745.0	0.148635	Y
7	IC 410-652703/19	25.0	3.692587	10.0	2383670.0	0.147703	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

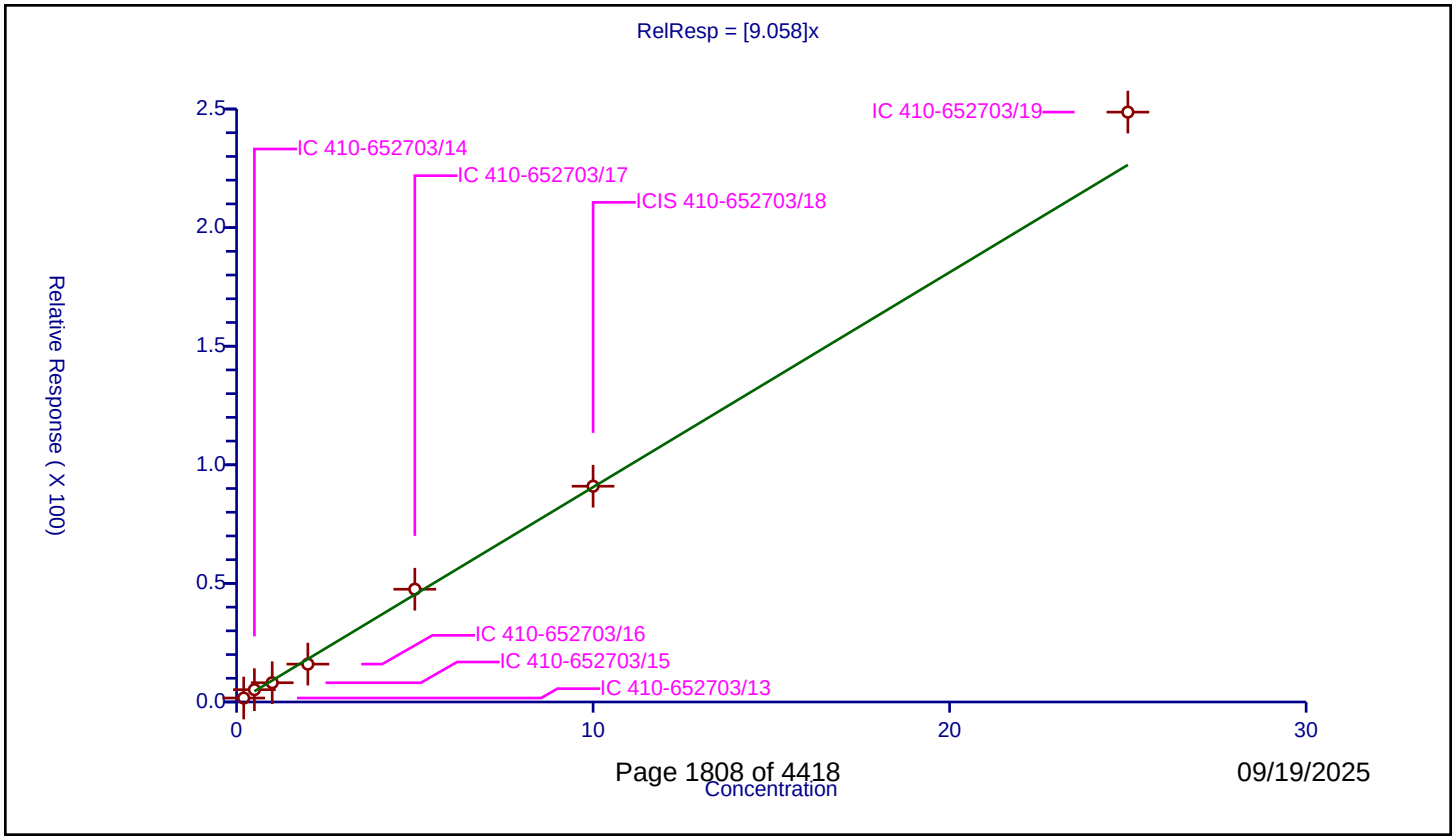
Curve Coefficients

Intercept:	0
Slope:	9.058

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	1.670969	50.0	176275.0	8.354843	Y
2	IC 410-652703/14	0.5	5.191889	50.0	174580.0	10.383778	Y
3	IC 410-652703/15	1.0	8.126814	50.0	173955.0	8.126814	Y
4	IC 410-652703/16	2.0	15.971192	50.0	202164.0	7.985596	Y
5	IC 410-652703/17	5.0	47.542862	50.0	195044.0	9.508572	Y
6	ICIS 410-652703/18	10.0	90.965675	50.0	195687.0	9.096567	Y
7	IC 410-652703/19	25.0	248.695019	50.0	190156.0	9.947801	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

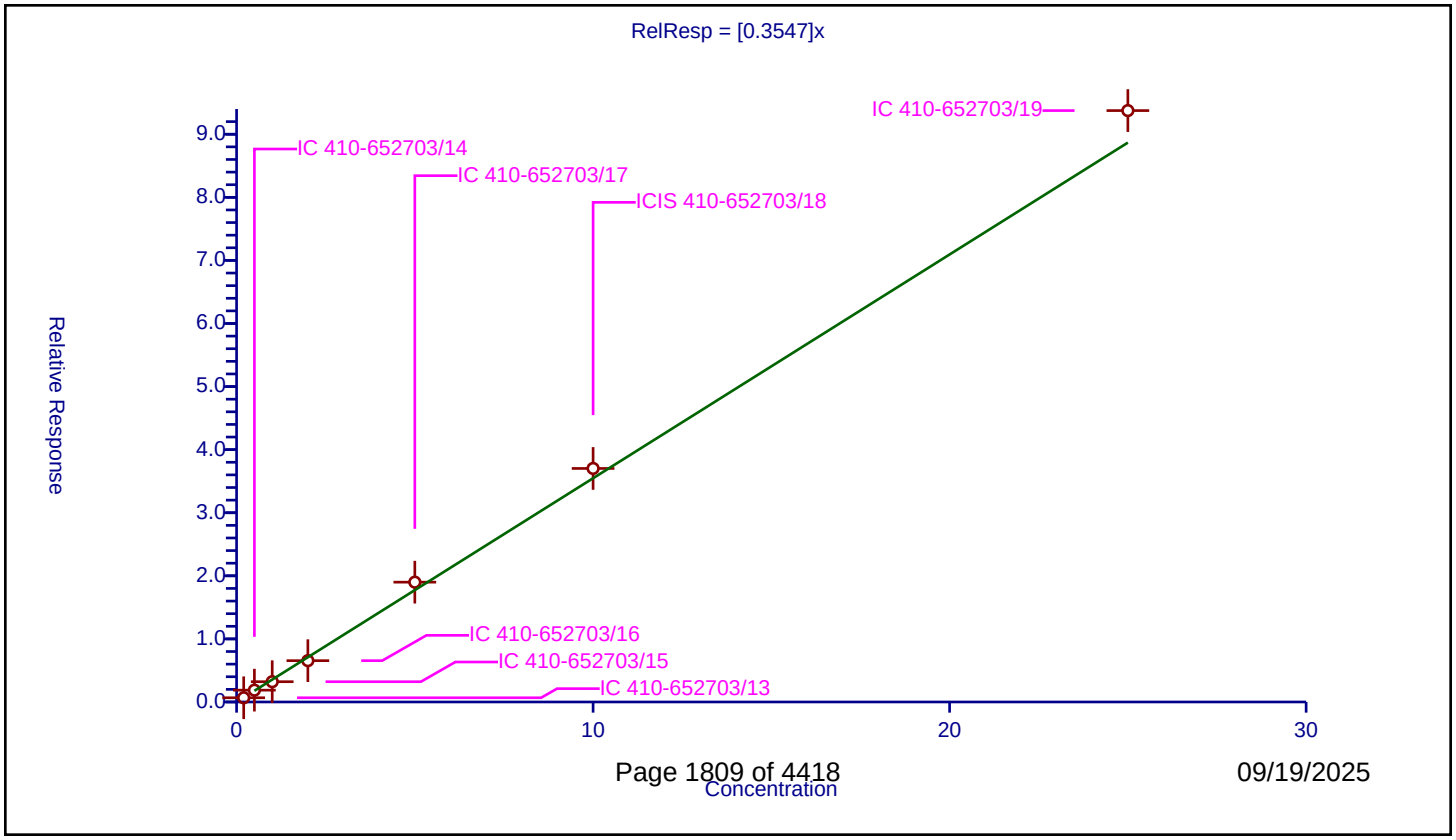
Curve Coefficients

Intercept:	0
Slope:	0.3547

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.066884	10.0	2284843.0	0.334421	Y
2	IC 410-652703/14	0.5	0.187272	10.0	2238774.0	0.374544	Y
3	IC 410-652703/15	1.0	0.321365	10.0	2276632.0	0.321365	Y
4	IC 410-652703/16	2.0	0.654815	10.0	2320746.0	0.327408	Y
5	IC 410-652703/17	5.0	1.899734	10.0	2313176.0	0.379947	Y
6	ICIS 410-652703/18	10.0	3.70217	10.0	2356745.0	0.370217	Y
7	IC 410-652703/19	25.0	9.374993	10.0	2383670.0	0.375	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

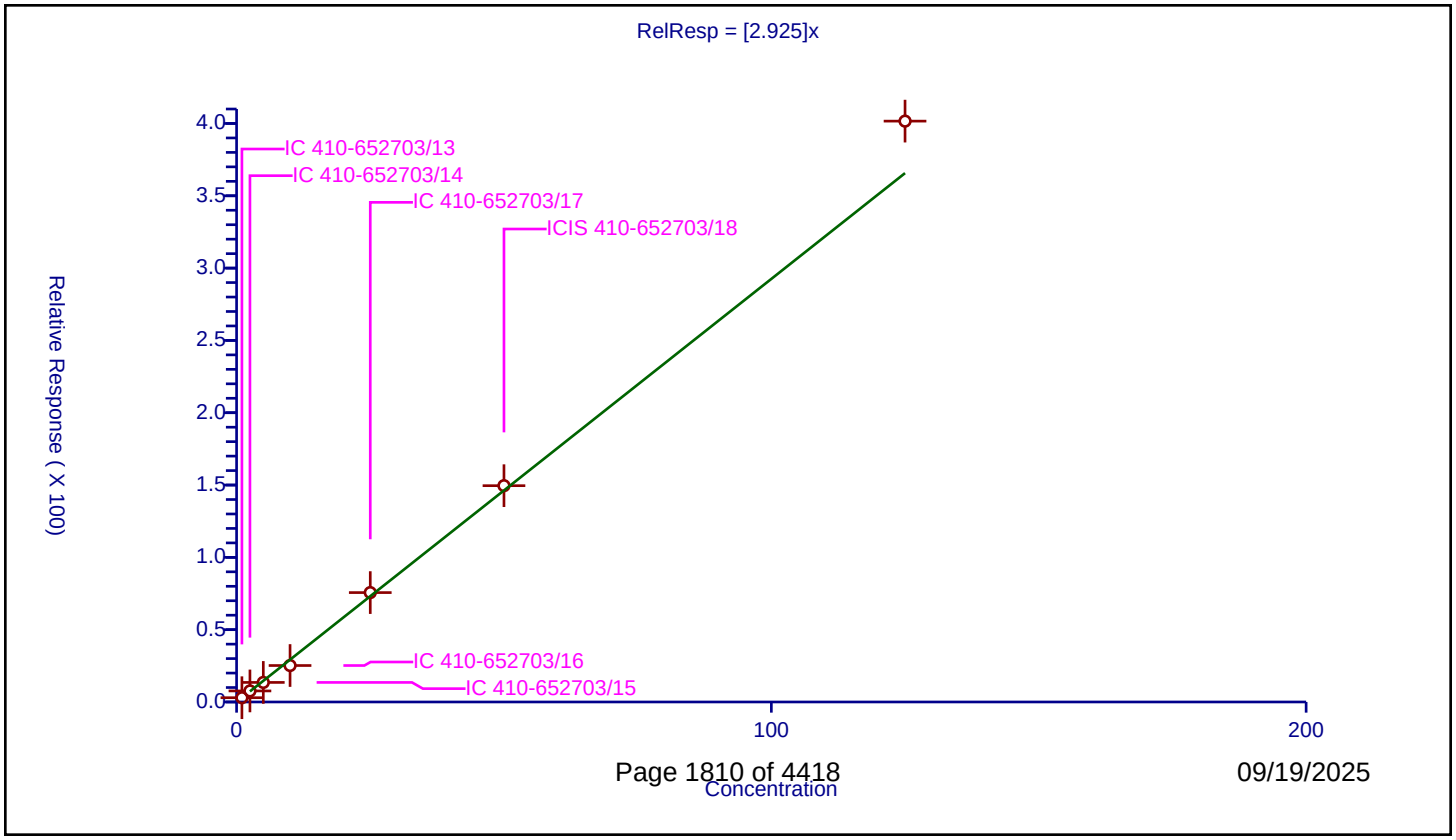
Curve Coefficients

Intercept:	0
Slope:	2.925

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	1.0	2.963268	50.0	176275.0	2.963268	Y
2	IC 410-652703/14	2.5	7.646065	50.0	174580.0	3.058426	Y
3	IC 410-652703/15	5.0	13.520738	50.0	173955.0	2.704148	Y
4	IC 410-652703/16	10.0	25.217892	50.0	202164.0	2.521789	Y
5	IC 410-652703/17	25.0	75.640112	50.0	195044.0	3.025604	Y
6	ICIS 410-652703/18	50.0	149.569466	50.0	195687.0	2.991389	Y
7	IC 410-652703/19	125.0	401.624719	50.0	190156.0	3.212998	Y



Calibration / 1-Bromo-2-chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

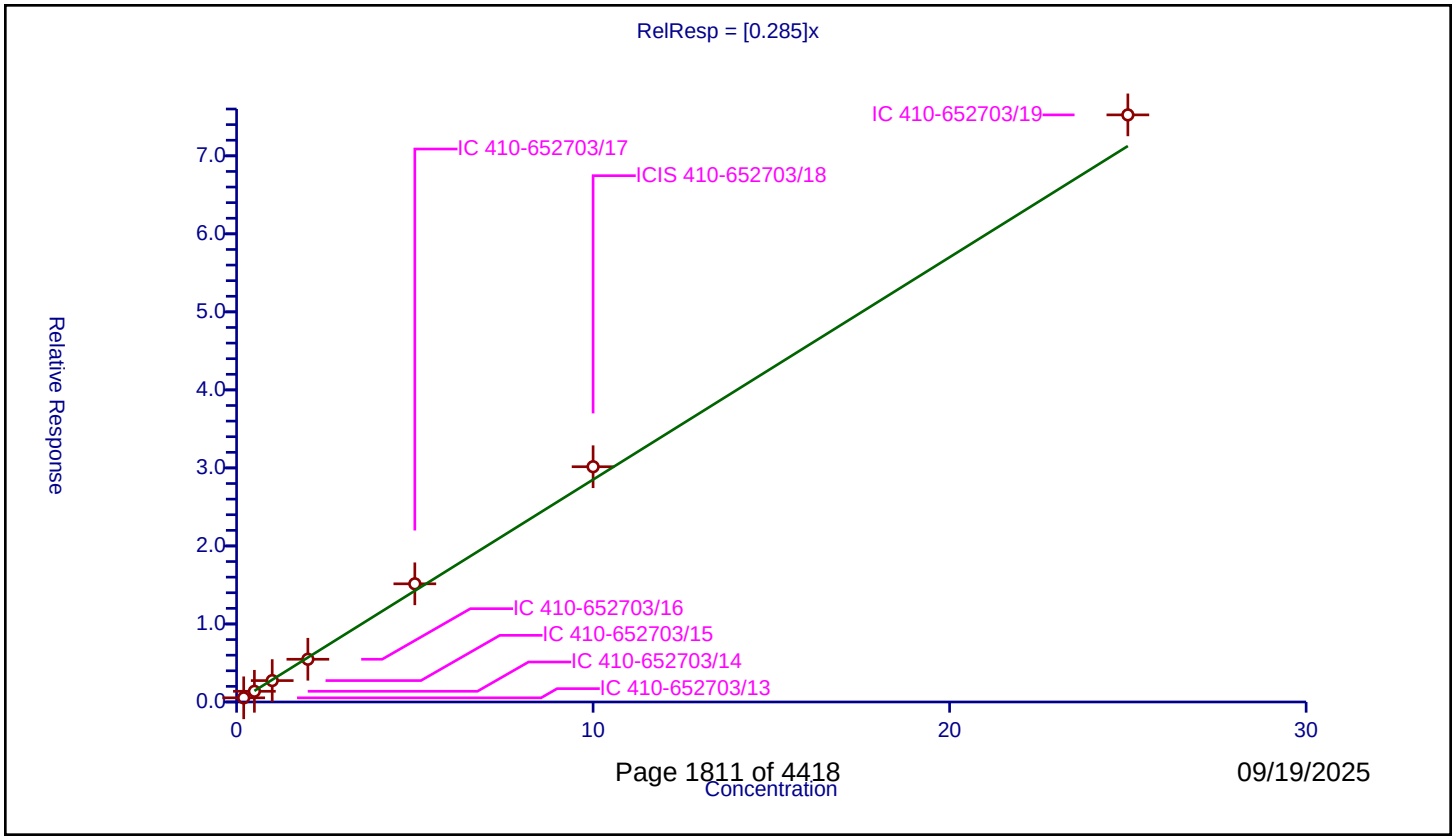
Curve Coefficients

Intercept:	0
Slope:	0.285

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.05336	10.0	2284843.0	0.266802	Y
2	IC 410-652703/14	0.5	0.137365	10.0	2238774.0	0.274731	Y
3	IC 410-652703/15	1.0	0.274287	10.0	2276632.0	0.274287	Y
4	IC 410-652703/16	2.0	0.547755	10.0	2320746.0	0.273877	Y
5	IC 410-652703/17	5.0	1.514636	10.0	2313176.0	0.302927	Y
6	ICIS 410-652703/18	10.0	3.015511	10.0	2356745.0	0.301551	Y
7	IC 410-652703/19	25.0	7.524712	10.0	2383670.0	0.300988	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

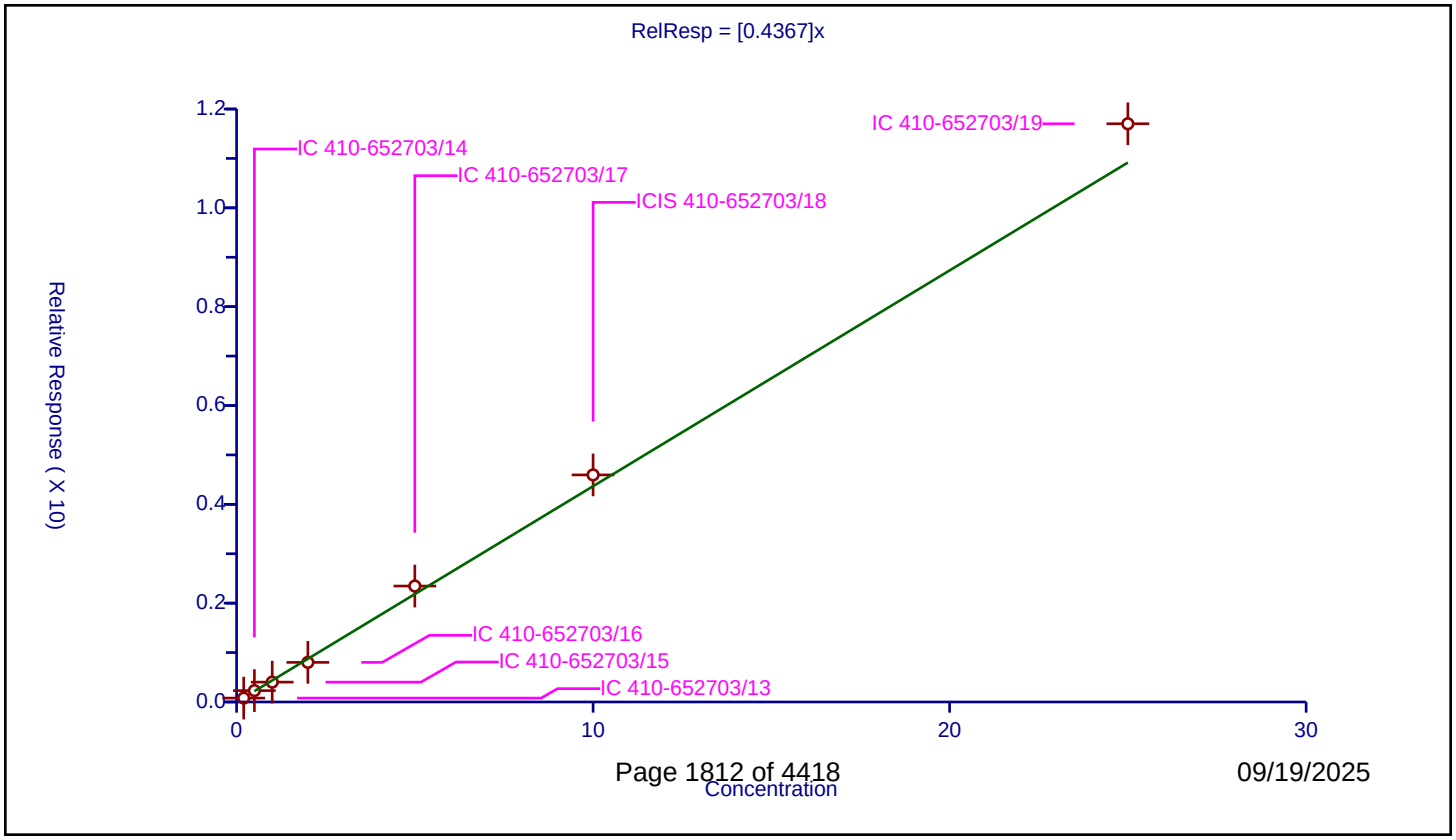
Curve Coefficients

Intercept:	0
Slope:	0.4367

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.079257	10.0	2284843.0	0.396285	Y
2	IC 410-652703/14	0.5	0.230247	10.0	2238774.0	0.460493	Y
3	IC 410-652703/15	1.0	0.40198	10.0	2276632.0	0.40198	Y
4	IC 410-652703/16	2.0	0.801906	10.0	2320746.0	0.400953	Y
5	IC 410-652703/17	5.0	2.34622	10.0	2313176.0	0.469244	Y
6	ICIS 410-652703/18	10.0	4.595673	10.0	2356745.0	0.459567	Y
7	IC 410-652703/19	25.0	11.701385	10.0	2383670.0	0.468055	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

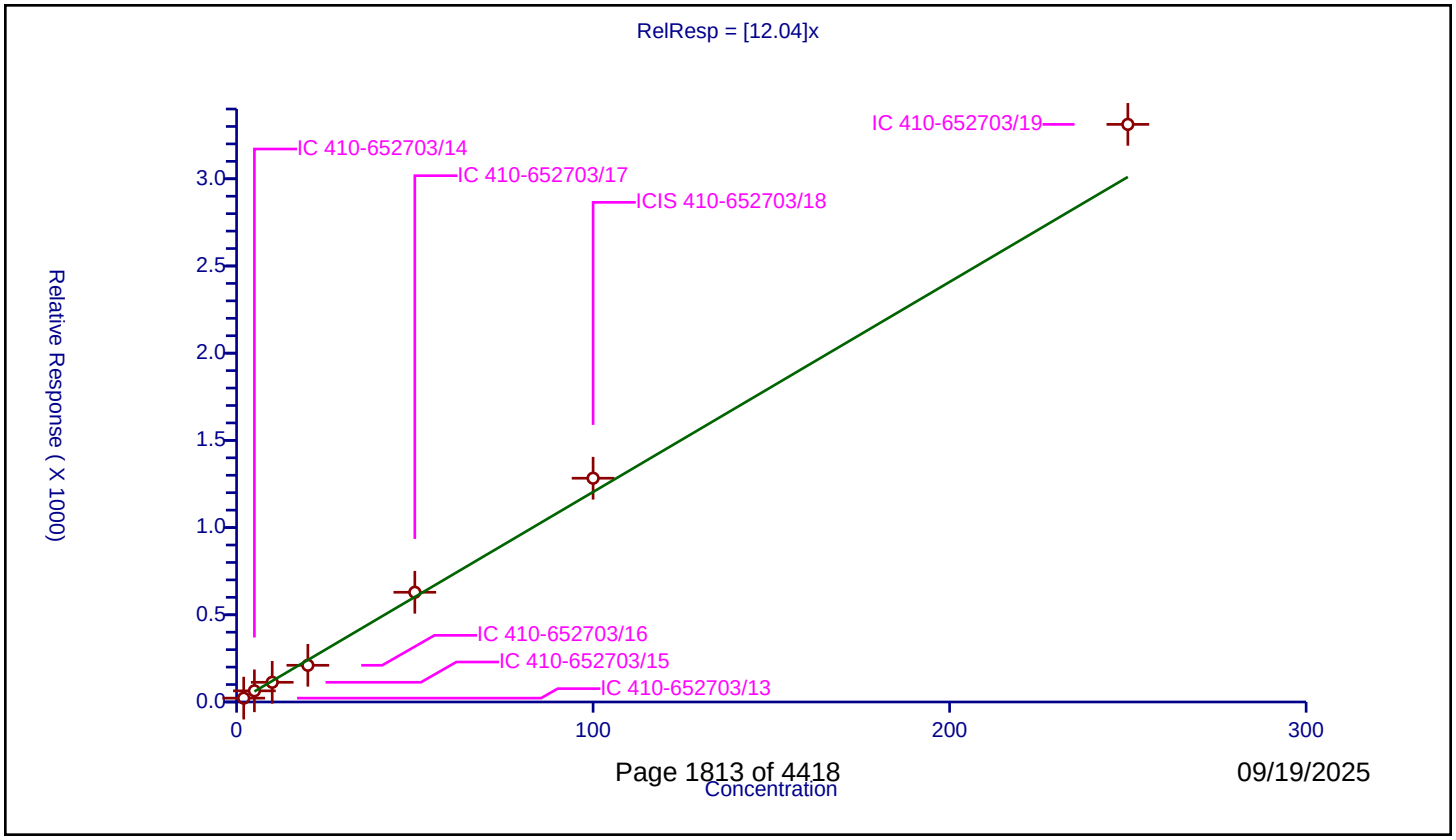
Curve Coefficients

Intercept:	0
Slope:	12.04

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	2.0	22.034321	50.0	176275.0	11.017161	Y
2	IC 410-652703/14	5.0	64.04886	50.0	174580.0	12.809772	Y
3	IC 410-652703/15	10.0	112.896439	50.0	173955.0	11.289644	Y
4	IC 410-652703/16	20.0	210.425447	50.0	202164.0	10.521272	Y
5	IC 410-652703/17	50.0	629.04037	50.0	195044.0	12.580807	Y
6	ICIS 410-652703/18	100.0	1282.999637	50.0	195687.0	12.829996	Y
7	IC 410-652703/19	250.0	3311.886819	50.0	190156.0	13.247547	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

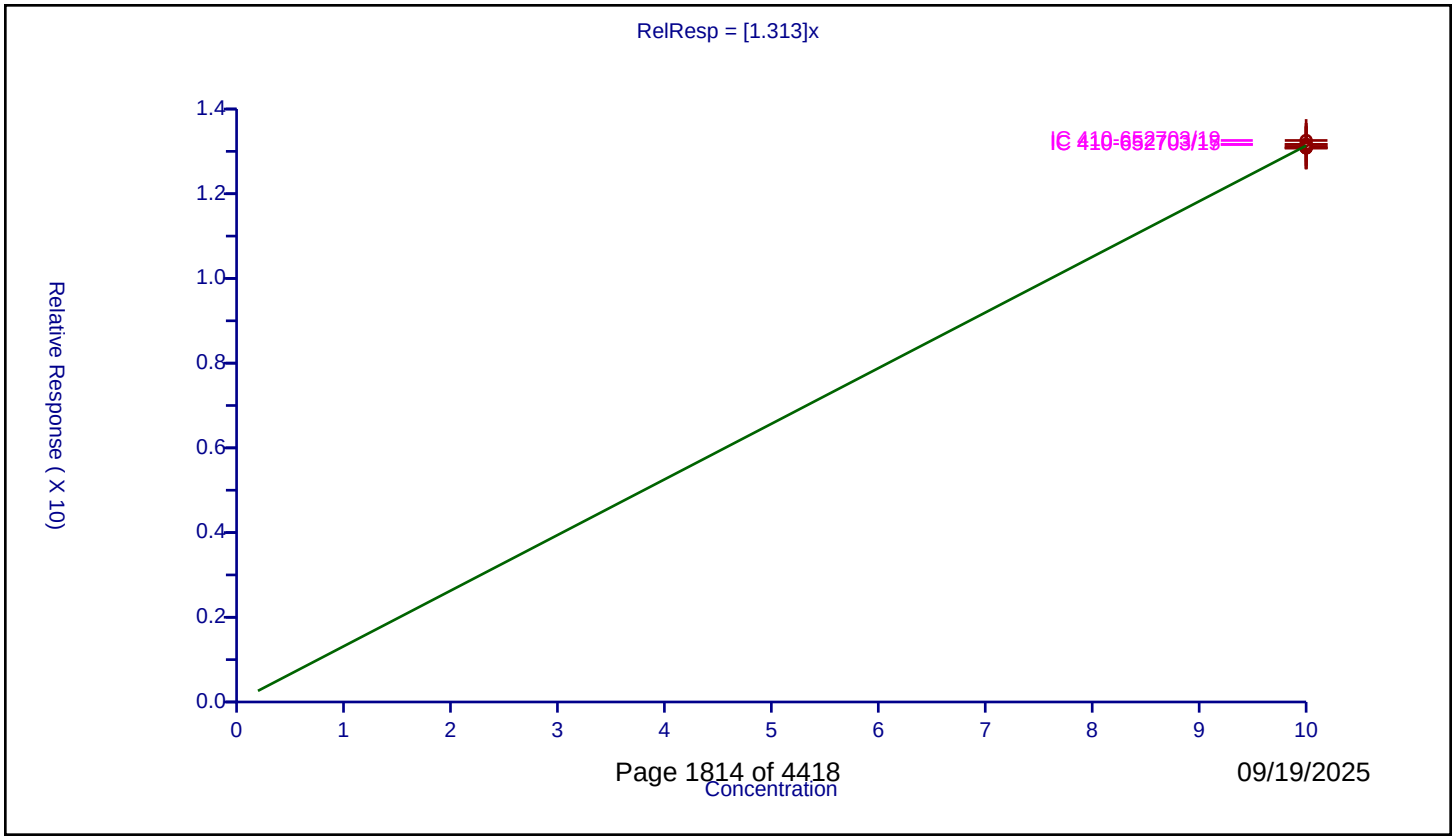
Curve Coefficients

Intercept:	0
Slope:	1.313

Error Coefficients

Relative Standard Deviation:	0.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	10.0	13.085266	10.0	1724253.0	1.308527	Y
2	IC 410-652703/14	10.0	13.079941	10.0	1709468.0	1.307994	Y
3	IC 410-652703/15	10.0	13.164694	10.0	1726233.0	1.316469	Y
4	IC 410-652703/16	10.0	13.082591	10.0	1782828.0	1.308259	Y
5	IC 410-652703/17	10.0	13.163022	10.0	1764929.0	1.316302	Y
6	ICIS 410-652703/18	10.0	13.105841	10.0	1784969.0	1.310584	Y
7	IC 410-652703/19	10.0	13.25792	10.0	1791241.0	1.325792	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

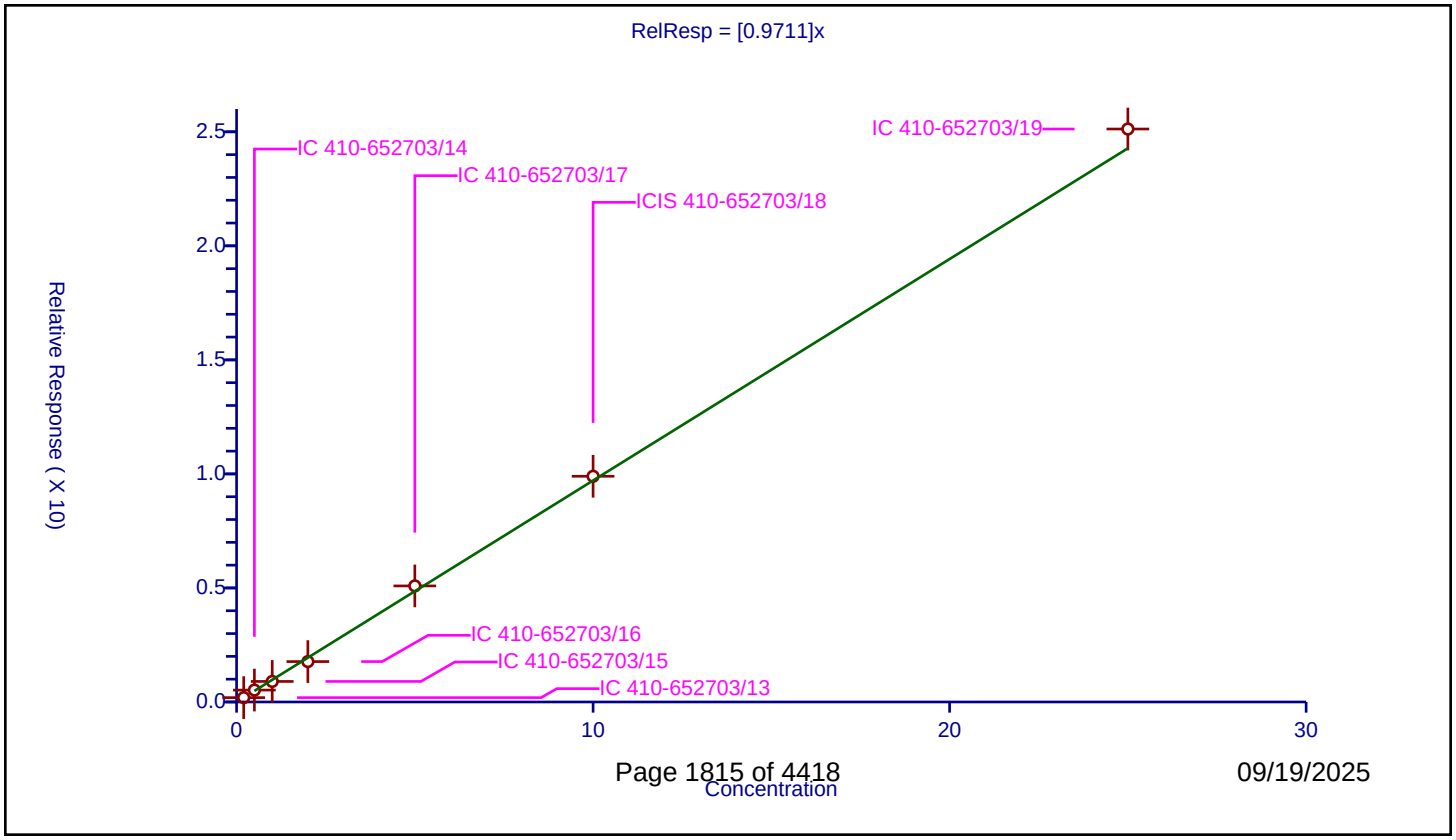
Curve Coefficients

Intercept:	0
Slope:	0.9711

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.190755	10.0	1724253.0	0.953775	Y
2	IC 410-652703/14	0.5	0.522209	10.0	1709468.0	1.044418	Y
3	IC 410-652703/15	1.0	0.900973	10.0	1726233.0	0.900973	Y
4	IC 410-652703/16	2.0	1.771702	10.0	1782828.0	0.885851	Y
5	IC 410-652703/17	5.0	5.089519	10.0	1764929.0	1.017904	Y
6	ICIS 410-652703/18	10.0	9.897645	10.0	1784969.0	0.989765	Y
7	IC 410-652703/19	25.0	25.123264	10.0	1791241.0	1.004931	Y



09/19/2025

Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

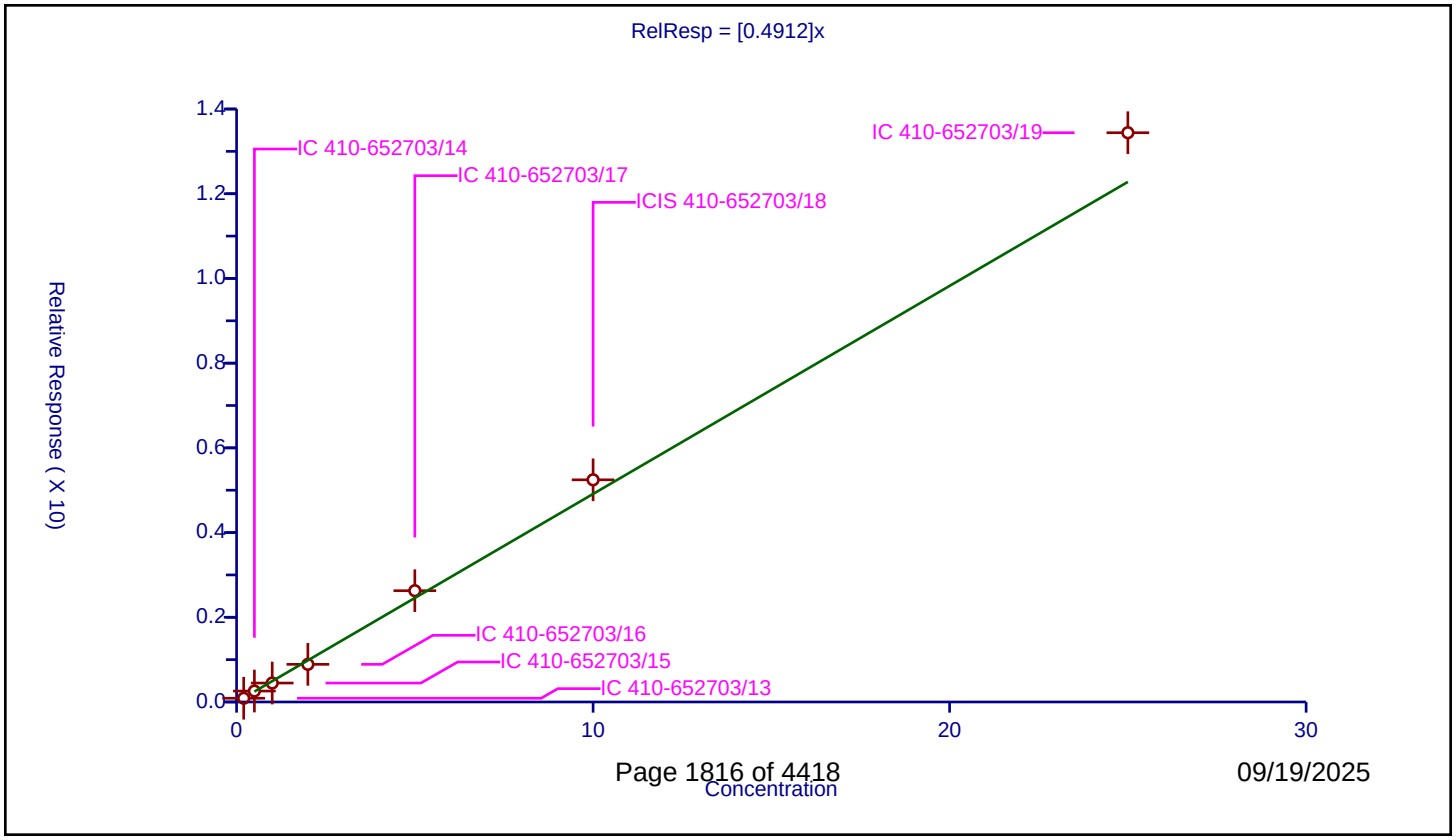
Curve Coefficients

Intercept:	0
Slope:	0.4912

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.088473	10.0	1724253.0	0.442365	Y
2	IC 410-652703/14	0.5	0.258238	10.0	1709468.0	0.516476	Y
3	IC 410-652703/15	1.0	0.447616	10.0	1726233.0	0.447616	Y
4	IC 410-652703/16	2.0	0.888398	10.0	1782828.0	0.444199	Y
5	IC 410-652703/17	5.0	2.627409	10.0	1764929.0	0.525482	Y
6	ICIS 410-652703/18	10.0	5.245178	10.0	1784969.0	0.524518	Y
7	IC 410-652703/19	25.0	13.440514	10.0	1791241.0	0.537621	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

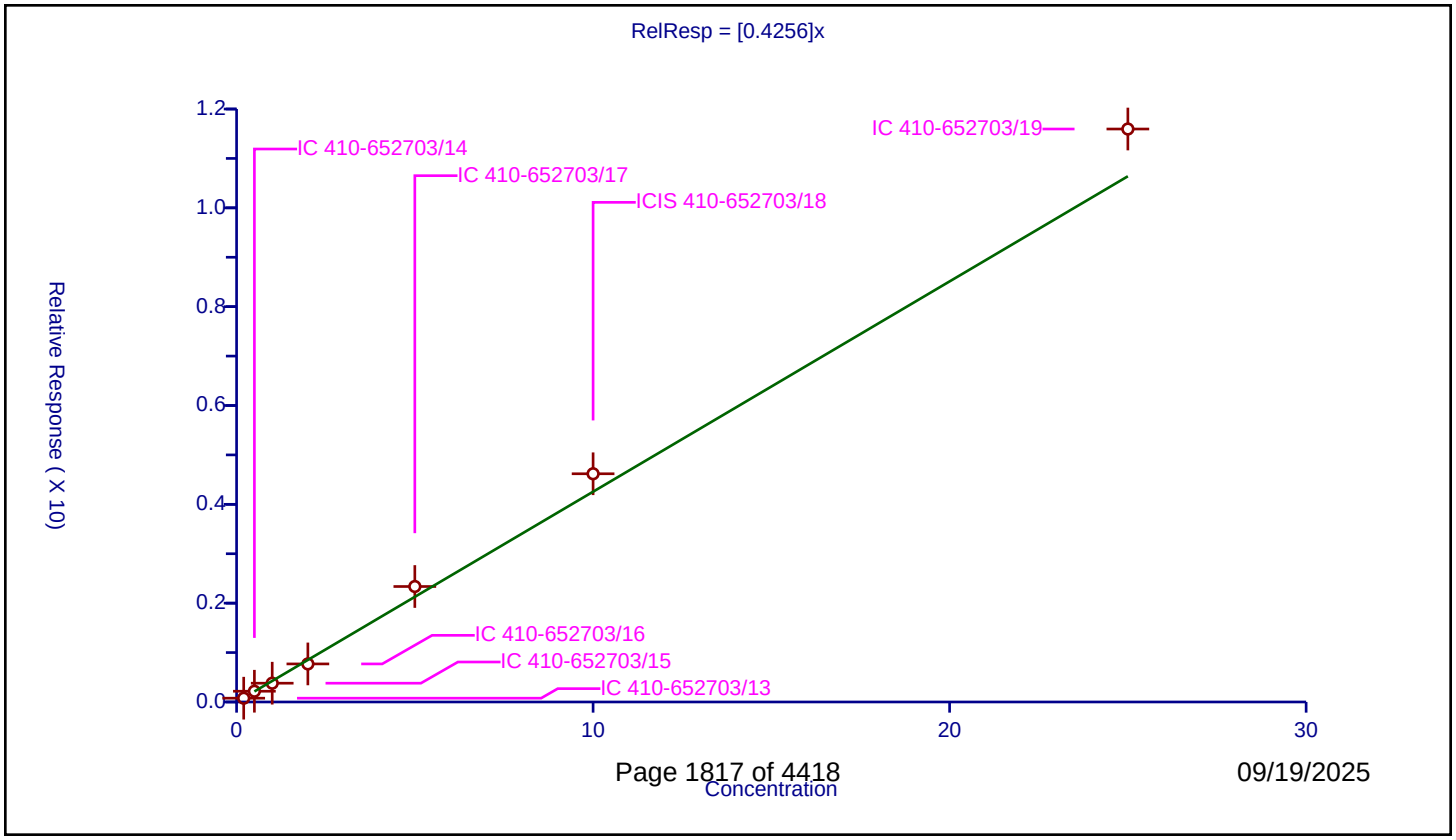
Curve Coefficients

Intercept:	0
Slope:	0.4256

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.076984	10.0	1724253.0	0.38492	Y
2	IC 410-652703/14	0.5	0.217647	10.0	1709468.0	0.435293	Y
3	IC 410-652703/15	1.0	0.380366	10.0	1726233.0	0.380366	Y
4	IC 410-652703/16	2.0	0.770473	10.0	1782828.0	0.385236	Y
5	IC 410-652703/17	5.0	2.336876	10.0	1764929.0	0.467375	Y
6	ICIS 410-652703/18	10.0	4.618489	10.0	1784969.0	0.461849	Y
7	IC 410-652703/19	25.0	11.595503	10.0	1791241.0	0.46382	Y



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

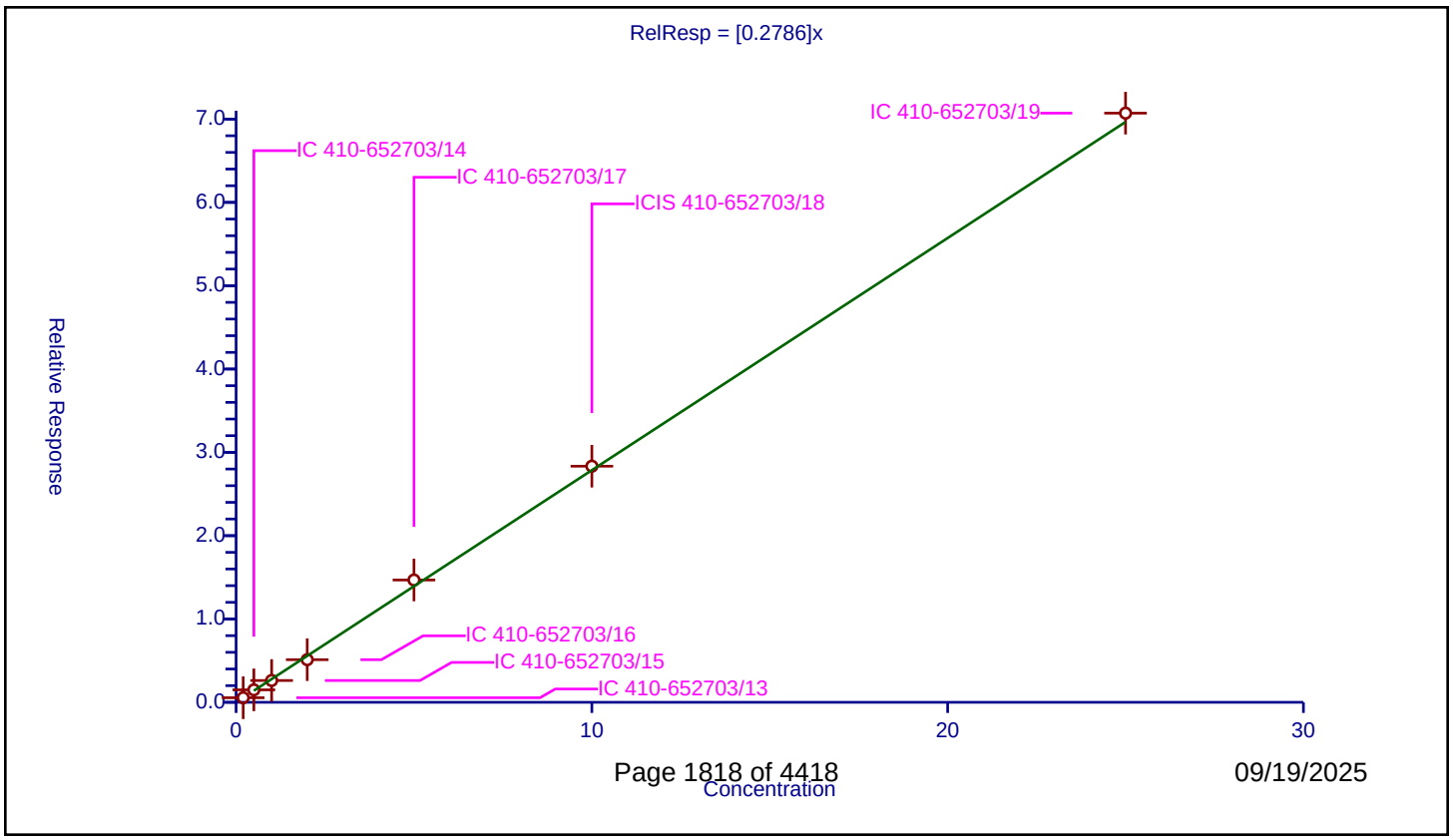
Curve Coefficients

Intercept:	0
Slope:	0.2786

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.054777	10.0	1724253.0	0.273887	Y
2	IC 410-652703/14	0.5	0.14952	10.0	1709468.0	0.29904	Y
3	IC 410-652703/15	1.0	0.261813	10.0	1726233.0	0.261813	Y
4	IC 410-652703/16	2.0	0.511564	10.0	1782828.0	0.255782	Y
5	IC 410-652703/17	5.0	1.467861	10.0	1764929.0	0.293572	Y
6	ICIS 410-652703/18	10.0	2.833758	10.0	1784969.0	0.283376	Y
7	IC 410-652703/19	25.0	7.071131	10.0	1791241.0	0.282845	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

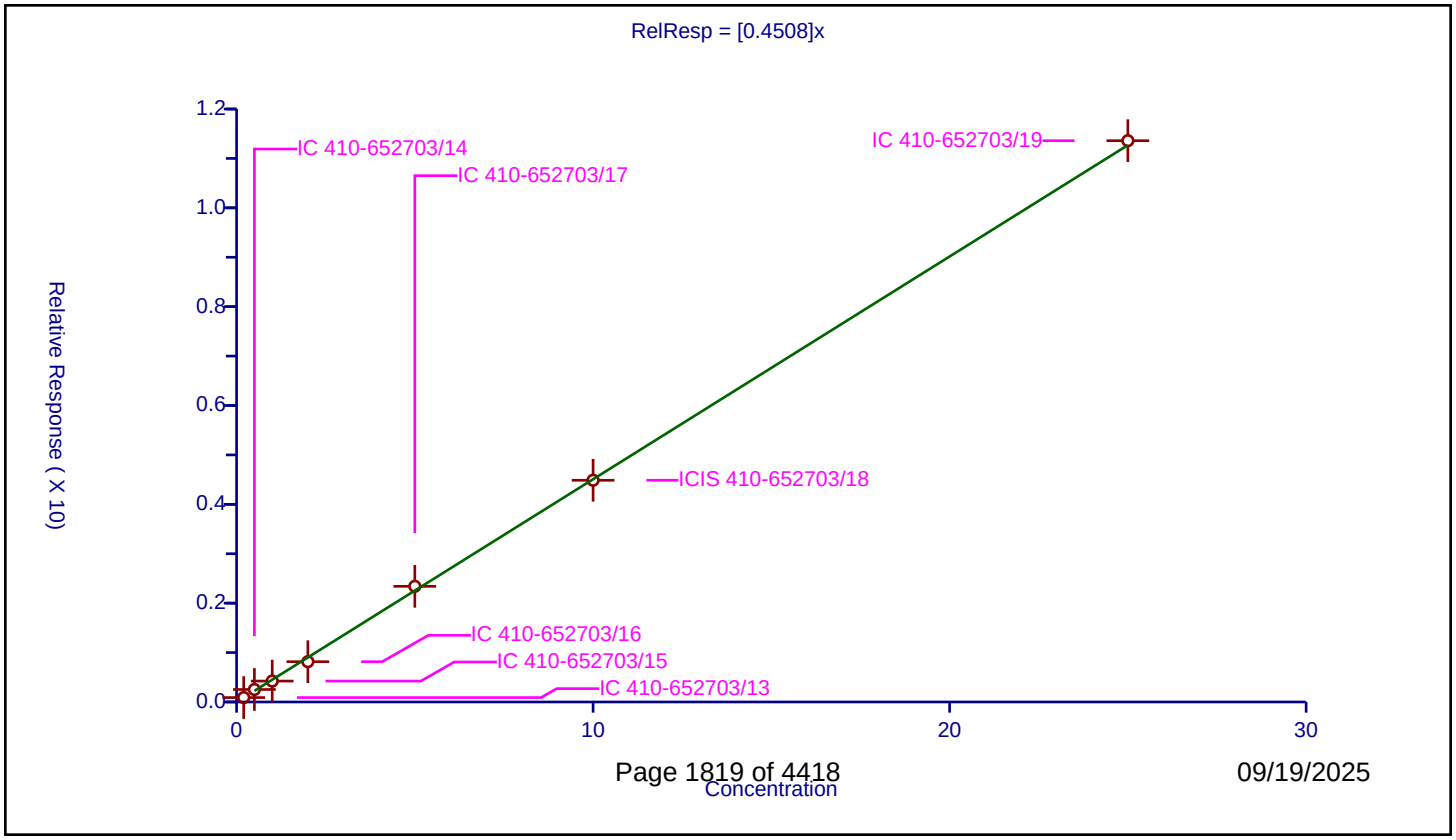
Curve Coefficients

Intercept:	0
Slope:	0.4508

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.089563	10.0	1724253.0	0.447817	Y
2	IC 410-652703/14	0.5	0.252576	10.0	1709468.0	0.505151	Y
3	IC 410-652703/15	1.0	0.423442	10.0	1726233.0	0.423442	Y
4	IC 410-652703/16	2.0	0.815171	10.0	1782828.0	0.407586	Y
5	IC 410-652703/17	5.0	2.340978	10.0	1764929.0	0.468196	Y
6	ICIS 410-652703/18	10.0	4.487187	10.0	1784969.0	0.448719	Y
7	IC 410-652703/19	25.0	11.358907	10.0	1791241.0	0.454356	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

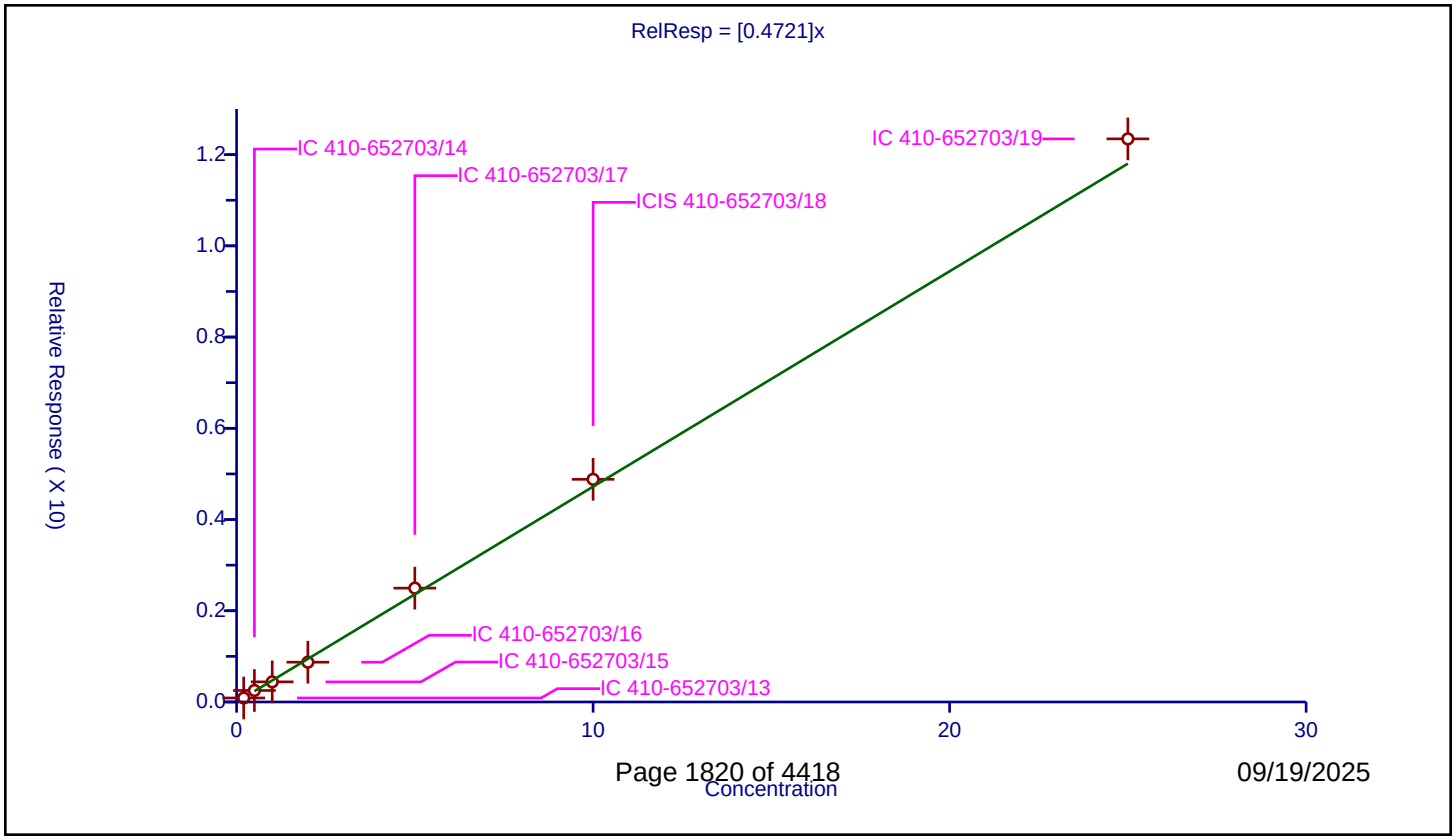
Curve Coefficients

Intercept:	0
Slope:	0.4721

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.088259	10.0	1724253.0	0.441293	Y
2	IC 410-652703/14	0.5	0.252505	10.0	1709468.0	0.505011	Y
3	IC 410-652703/15	1.0	0.441041	10.0	1726233.0	0.441041	Y
4	IC 410-652703/16	2.0	0.872311	10.0	1782828.0	0.436155	Y
5	IC 410-652703/17	5.0	2.49614	10.0	1764929.0	0.499228	Y
6	ICIS 410-652703/18	10.0	4.882135	10.0	1784969.0	0.488214	Y
7	IC 410-652703/19	25.0	12.345301	10.0	1791241.0	0.493812	Y



09/19/2025

Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

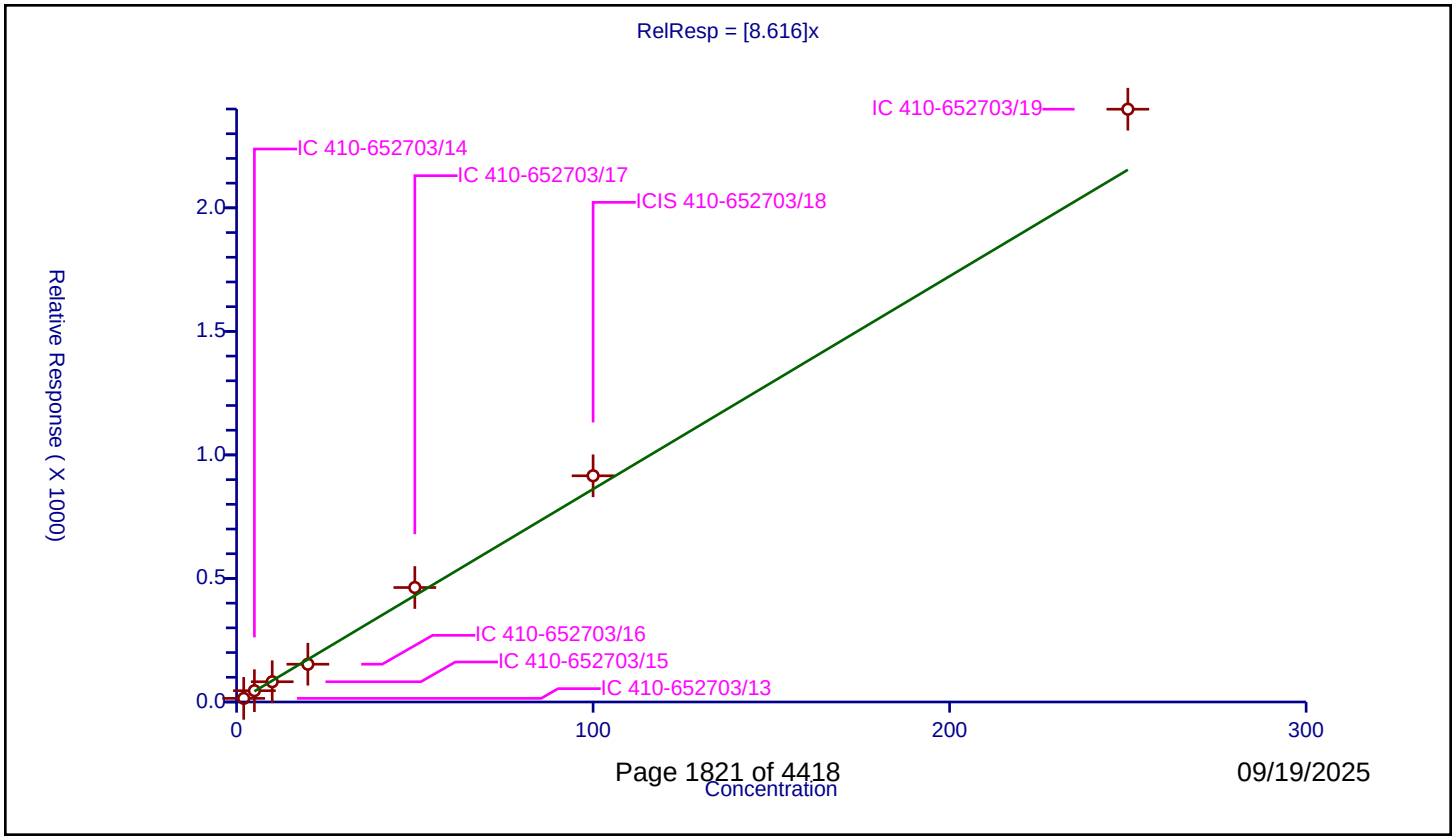
Curve Coefficients

Intercept:	0
Slope:	8.616

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	2.0	14.623741	50.0	176275.0	7.311871	Y
2	IC 410-652703/14	5.0	45.719441	50.0	174580.0	9.143888	Y
3	IC 410-652703/15	10.0	81.942456	50.0	173955.0	8.194246	Y
4	IC 410-652703/16	20.0	152.905562	50.0	202164.0	7.645278	Y
5	IC 410-652703/17	50.0	463.306741	50.0	195044.0	9.266135	Y
6	ICIS 410-652703/18	100.0	915.52888	50.0	195687.0	9.155289	Y
7	IC 410-652703/19	250.0	2399.279802	50.0	190156.0	9.597119	Y



09/19/2025

Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

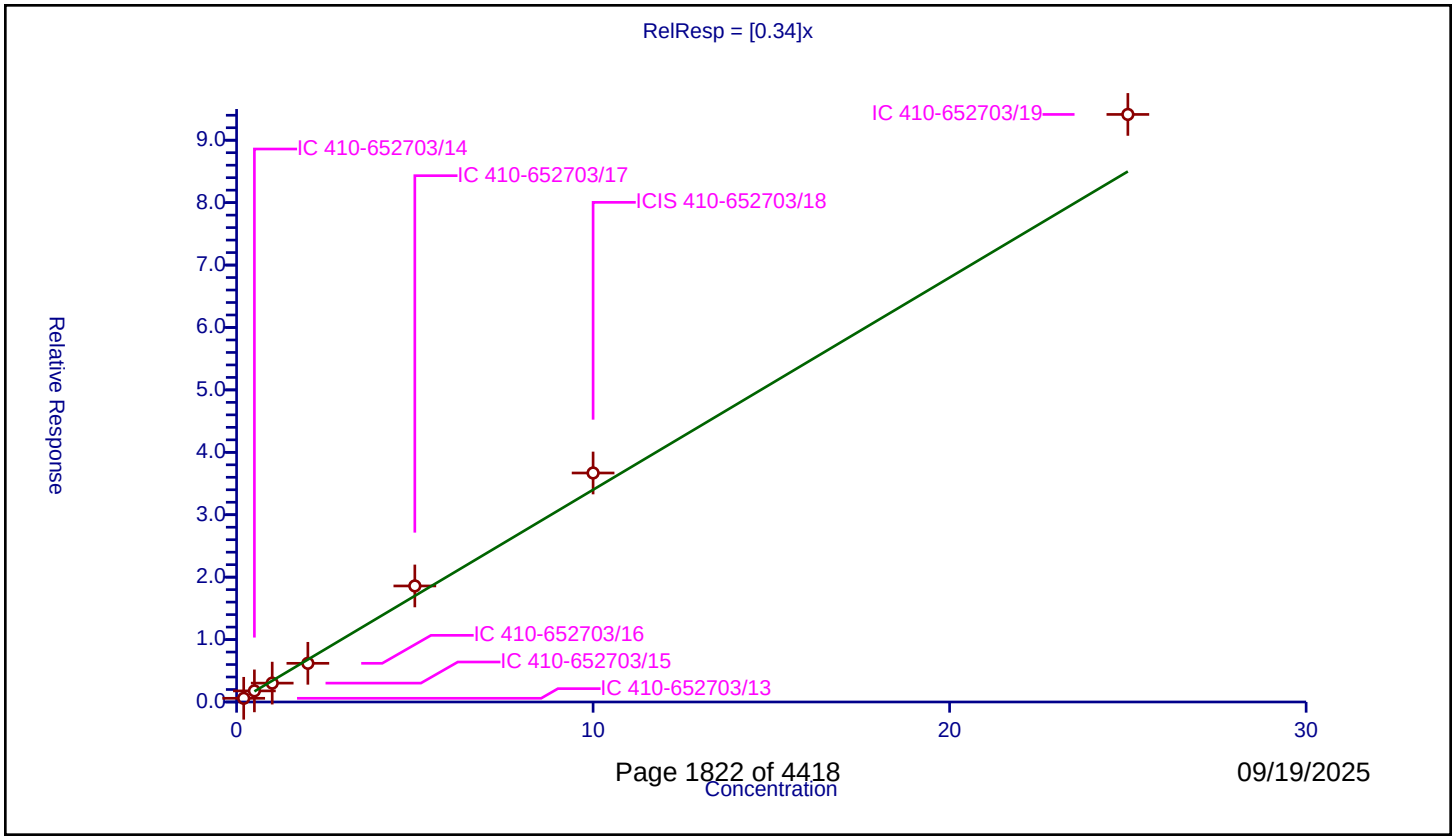
Curve Coefficients

Intercept:	0
Slope:	0.34

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.059382	10.0	1724253.0	0.296911	Y
2	IC 410-652703/14	0.5	0.177915	10.0	1709468.0	0.35583	Y
3	IC 410-652703/15	1.0	0.302143	10.0	1726233.0	0.302143	Y
4	IC 410-652703/16	2.0	0.619706	10.0	1782828.0	0.309853	Y
5	IC 410-652703/17	5.0	1.859236	10.0	1764929.0	0.371847	Y
6	ICIS 410-652703/18	10.0	3.668865	10.0	1784969.0	0.366886	Y
7	IC 410-652703/19	25.0	9.413306	10.0	1791241.0	0.376532	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

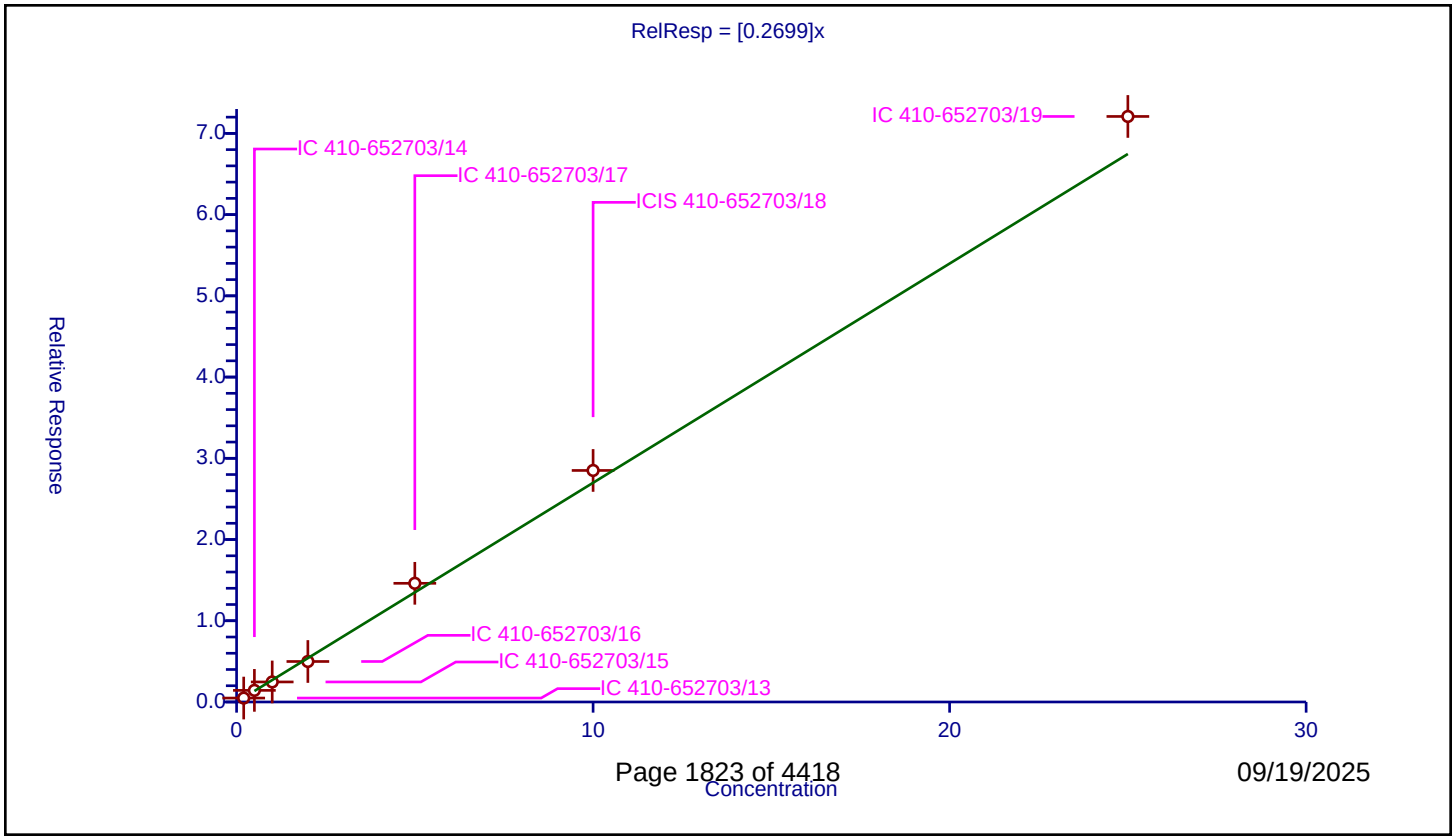
Curve Coefficients

Intercept:	0
Slope:	0.2699

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.04827	10.0	1724253.0	0.241351	Y
2	IC 410-652703/14	0.5	0.143121	10.0	1709468.0	0.286241	Y
3	IC 410-652703/15	1.0	0.246601	10.0	1726233.0	0.246601	Y
4	IC 410-652703/16	2.0	0.498534	10.0	1782828.0	0.249267	Y
5	IC 410-652703/17	5.0	1.461084	10.0	1764929.0	0.292217	Y
6	ICIS 410-652703/18	10.0	2.850341	10.0	1784969.0	0.285034	Y
7	IC 410-652703/19	25.0	7.208511	10.0	1791241.0	0.28834	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

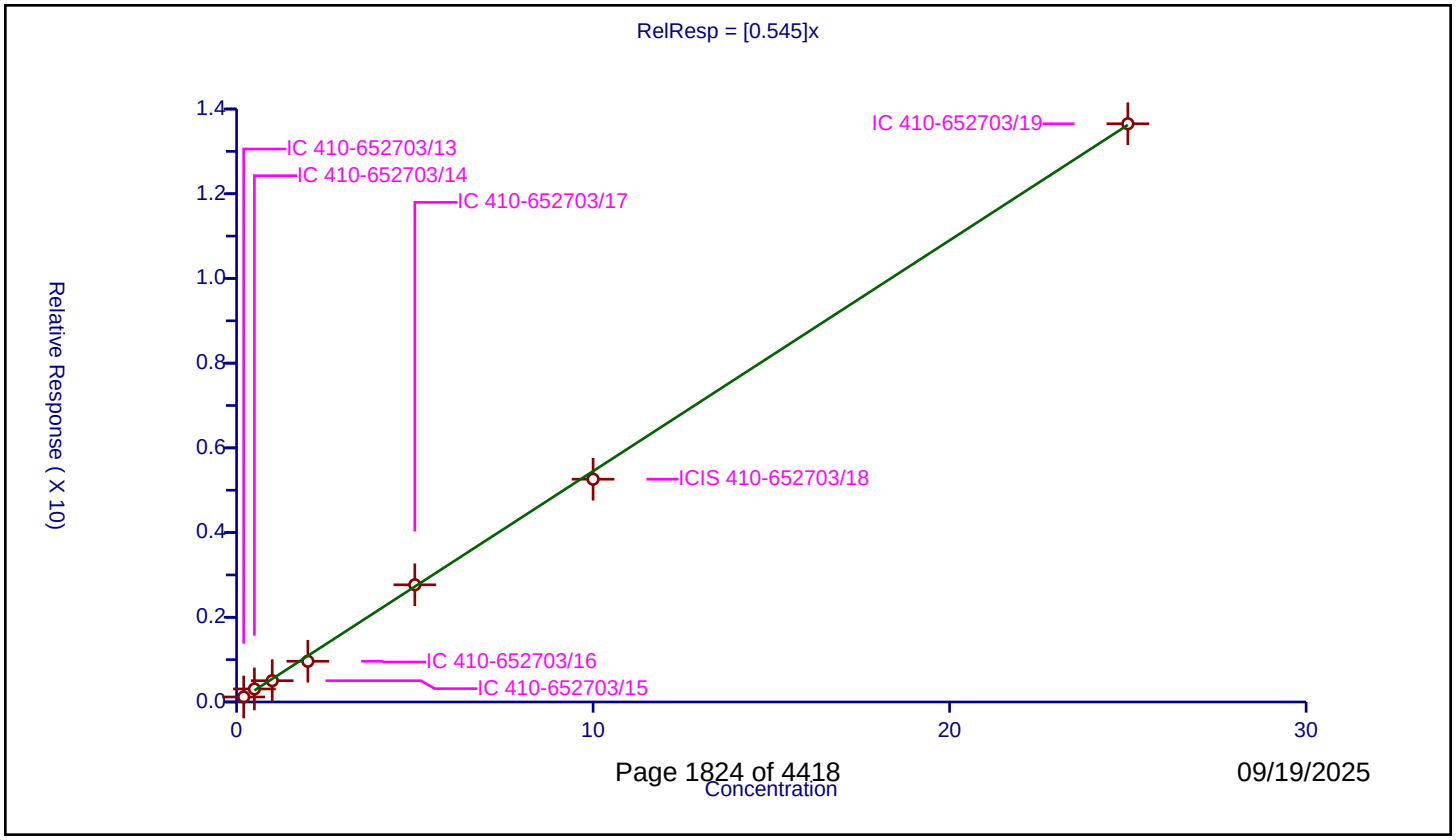
Curve Coefficients

Intercept:	0
Slope:	0.545

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.118248	10.0	1724253.0	0.591242	Y
2	IC 410-652703/14	0.5	0.30747	10.0	1709468.0	0.61494	Y
3	IC 410-652703/15	1.0	0.502528	10.0	1726233.0	0.502528	Y
4	IC 410-652703/16	2.0	0.961489	10.0	1782828.0	0.480745	Y
5	IC 410-652703/17	5.0	2.766553	10.0	1764929.0	0.553311	Y
6	ICIS 410-652703/18	10.0	5.25975	10.0	1784969.0	0.525975	Y
7	IC 410-652703/19	25.0	13.651865	10.0	1791241.0	0.546075	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

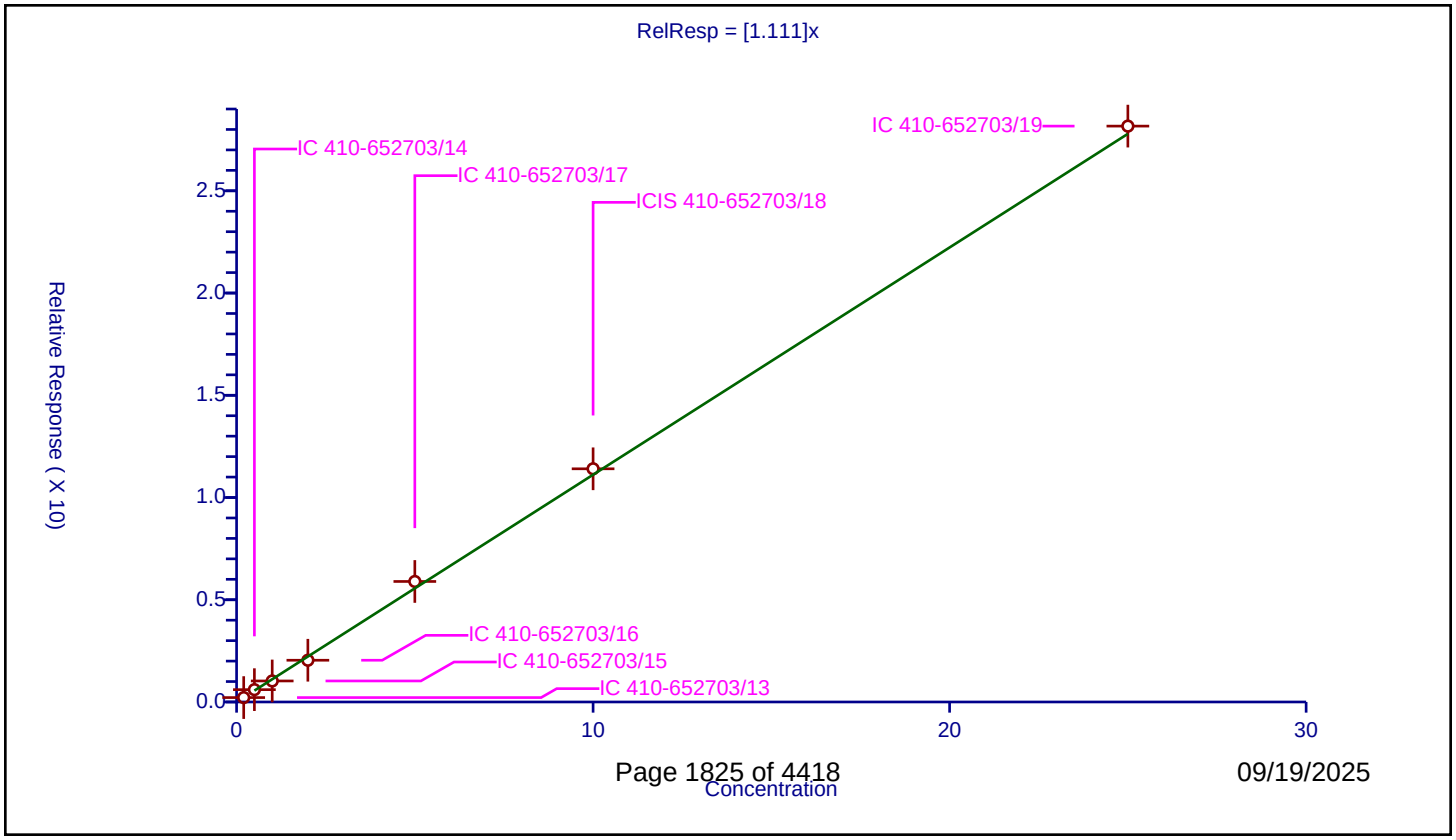
Curve Coefficients

Intercept:	0
Slope:	1.111

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.215566	10.0	1724253.0	1.077829	Y
2	IC 410-652703/14	0.5	0.603761	10.0	1709468.0	1.207522	Y
3	IC 410-652703/15	1.0	1.0281	10.0	1726233.0	1.0281	Y
4	IC 410-652703/16	2.0	2.041453	10.0	1782828.0	1.020727	Y
5	IC 410-652703/17	5.0	5.893586	10.0	1764929.0	1.178717	Y
6	ICIS 410-652703/18	10.0	11.404641	10.0	1784969.0	1.140464	Y
7	IC 410-652703/19	25.0	28.163474	10.0	1791241.0	1.126539	Y



Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

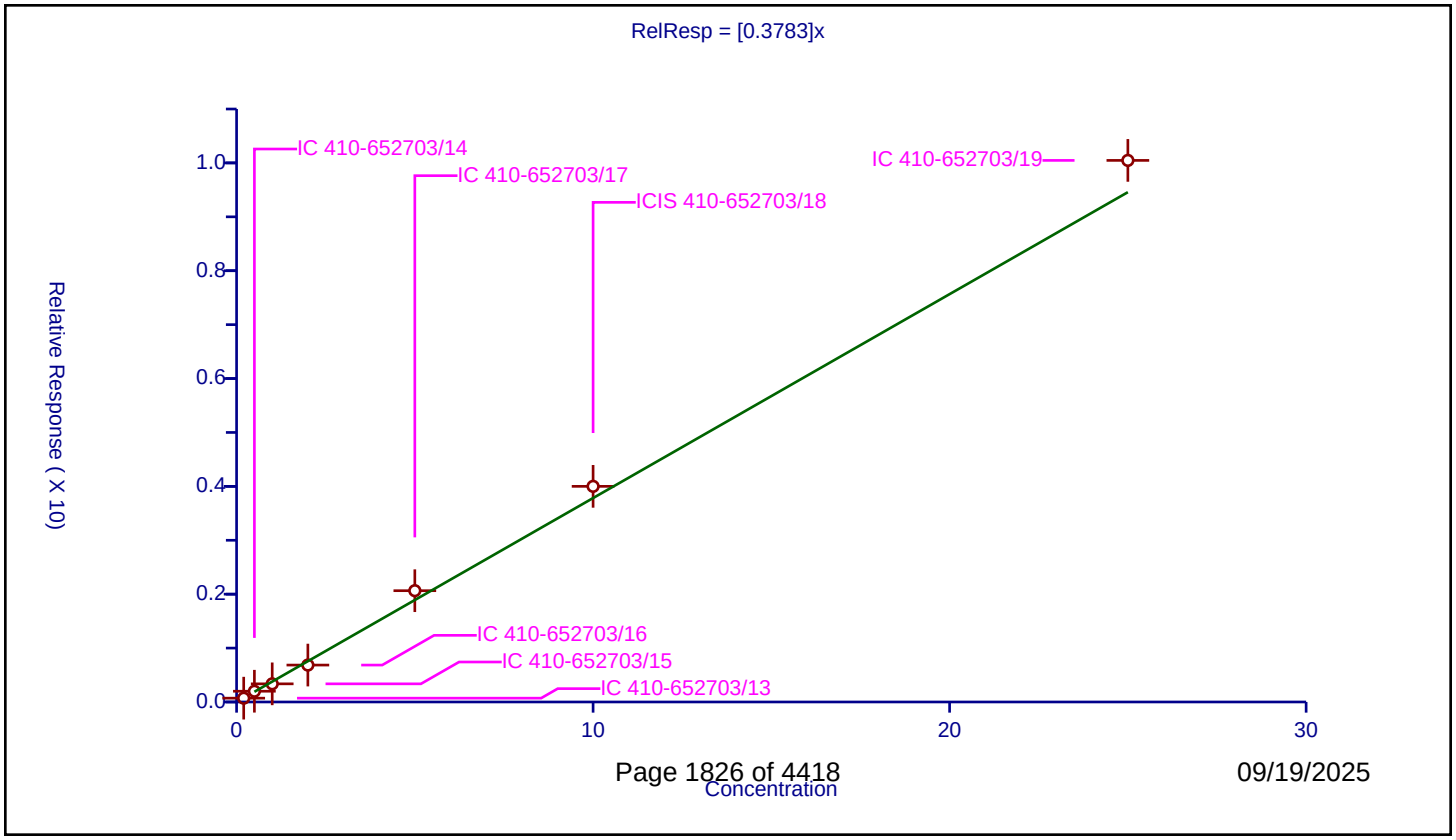
Curve Coefficients

Intercept:	0
Slope:	0.3783

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.071039	10.0	1724253.0	0.355197	Y
2	IC 410-652703/14	0.5	0.199512	10.0	1709468.0	0.399025	Y
3	IC 410-652703/15	1.0	0.336559	10.0	1726233.0	0.336559	Y
4	IC 410-652703/16	2.0	0.684805	10.0	1782828.0	0.342403	Y
5	IC 410-652703/17	5.0	2.064763	10.0	1764929.0	0.412953	Y
6	ICIS 410-652703/18	10.0	4.000193	10.0	1784969.0	0.400019	Y
7	IC 410-652703/19	25.0	10.046532	10.0	1791241.0	0.401861	Y



09/19/2025

Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

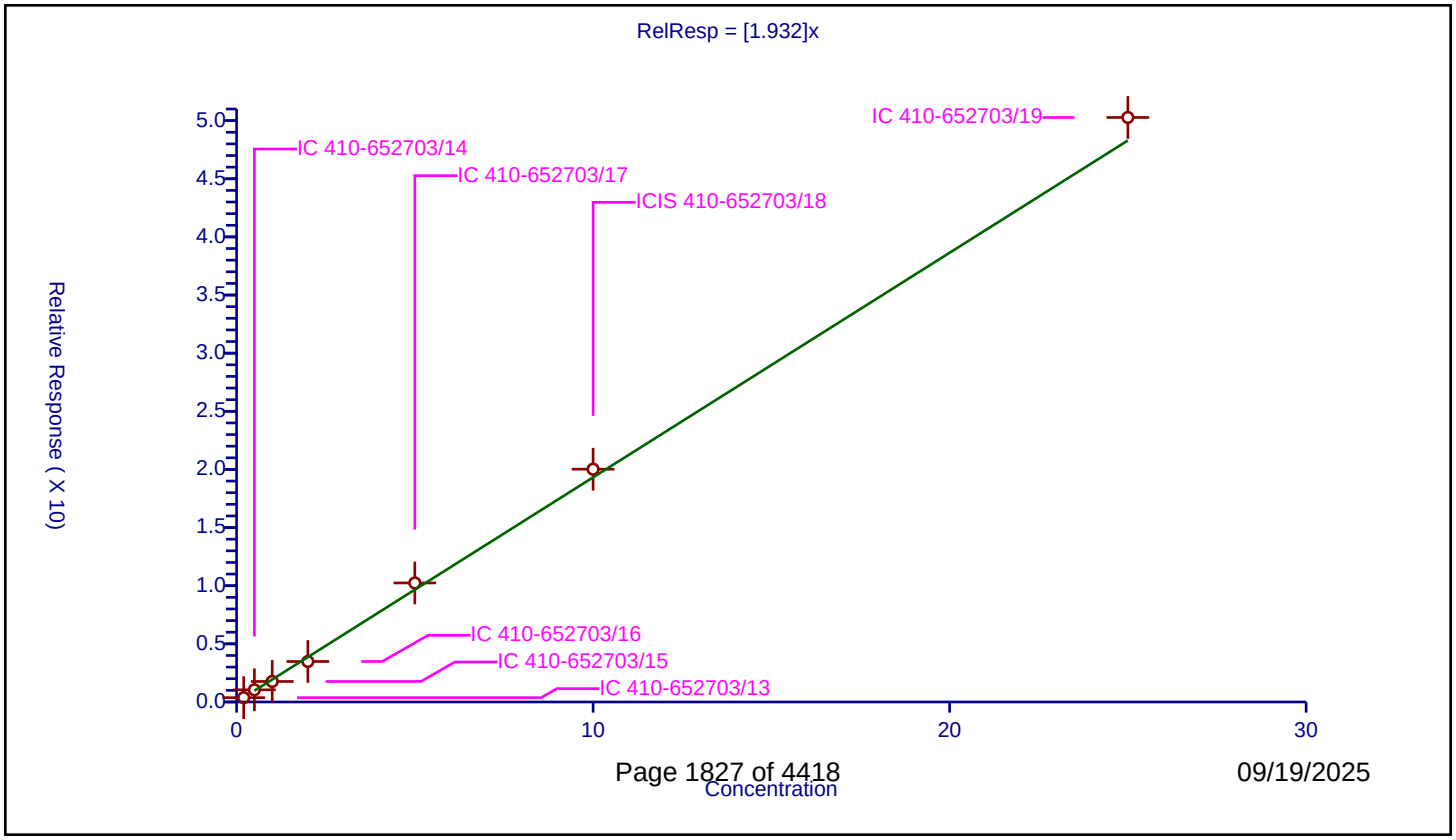
Curve Coefficients

Intercept:	0
Slope:	1.932

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.372544	10.0	1724253.0	1.86272	Y
2	IC 410-652703/14	0.5	1.046355	10.0	1709468.0	2.09271	Y
3	IC 410-652703/15	1.0	1.764814	10.0	1726233.0	1.764814	Y
4	IC 410-652703/16	2.0	3.482041	10.0	1782828.0	1.74102	Y
5	IC 410-652703/17	5.0	10.239766	10.0	1764929.0	2.047953	Y
6	ICIS 410-652703/18	10.0	20.021121	10.0	1784969.0	2.002112	Y
7	IC 410-652703/19	25.0	50.273994	10.0	1791241.0	2.01096	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

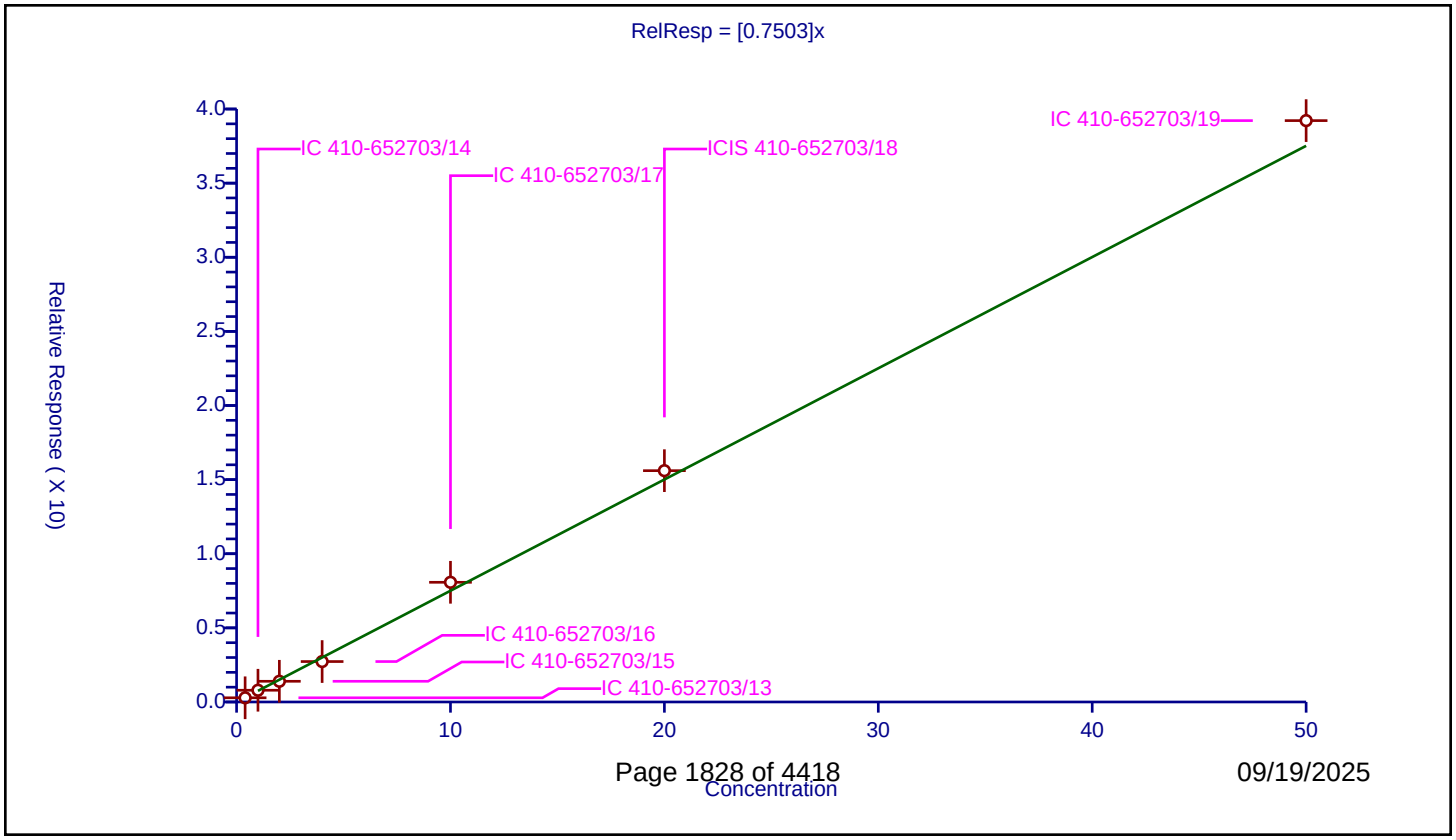
Curve Coefficients

Intercept:	0
Slope:	0.7503

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.4	0.282952	10.0	1724253.0	0.707379	Y
2	IC 410-652703/14	1.0	0.792574	10.0	1709468.0	0.792574	Y
3	IC 410-652703/15	2.0	1.396457	10.0	1726233.0	0.698228	Y
4	IC 410-652703/16	4.0	2.728553	10.0	1782828.0	0.682138	Y
5	IC 410-652703/17	10.0	8.074109	10.0	1764929.0	0.807411	Y
6	ICIS 410-652703/18	20.0	15.603431	10.0	1784969.0	0.780172	Y
7	IC 410-652703/19	50.0	39.217515	10.0	1791241.0	0.78435	Y



09/19/2025

Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

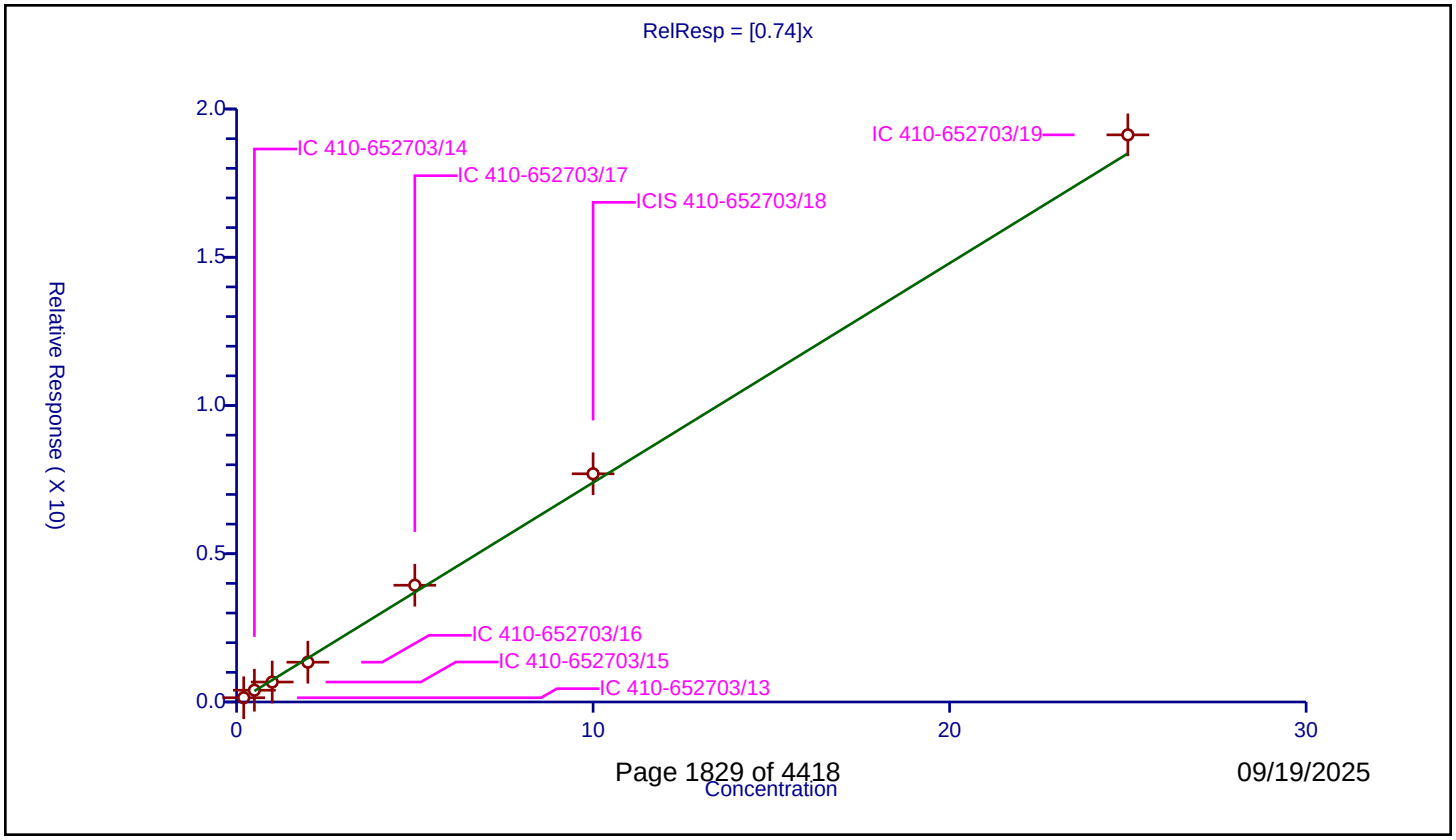
Curve Coefficients

Intercept:	0
Slope:	0.74

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.143714	10.0	1724253.0	0.718572	Y
2	IC 410-652703/14	0.5	0.397322	10.0	1709468.0	0.794645	Y
3	IC 410-652703/15	1.0	0.672916	10.0	1726233.0	0.672916	Y
4	IC 410-652703/16	2.0	1.342625	10.0	1782828.0	0.671313	Y
5	IC 410-652703/17	5.0	3.938323	10.0	1764929.0	0.787665	Y
6	ICIS 410-652703/18	10.0	7.696722	10.0	1784969.0	0.769672	Y
7	IC 410-652703/19	25.0	19.128308	10.0	1791241.0	0.765132	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

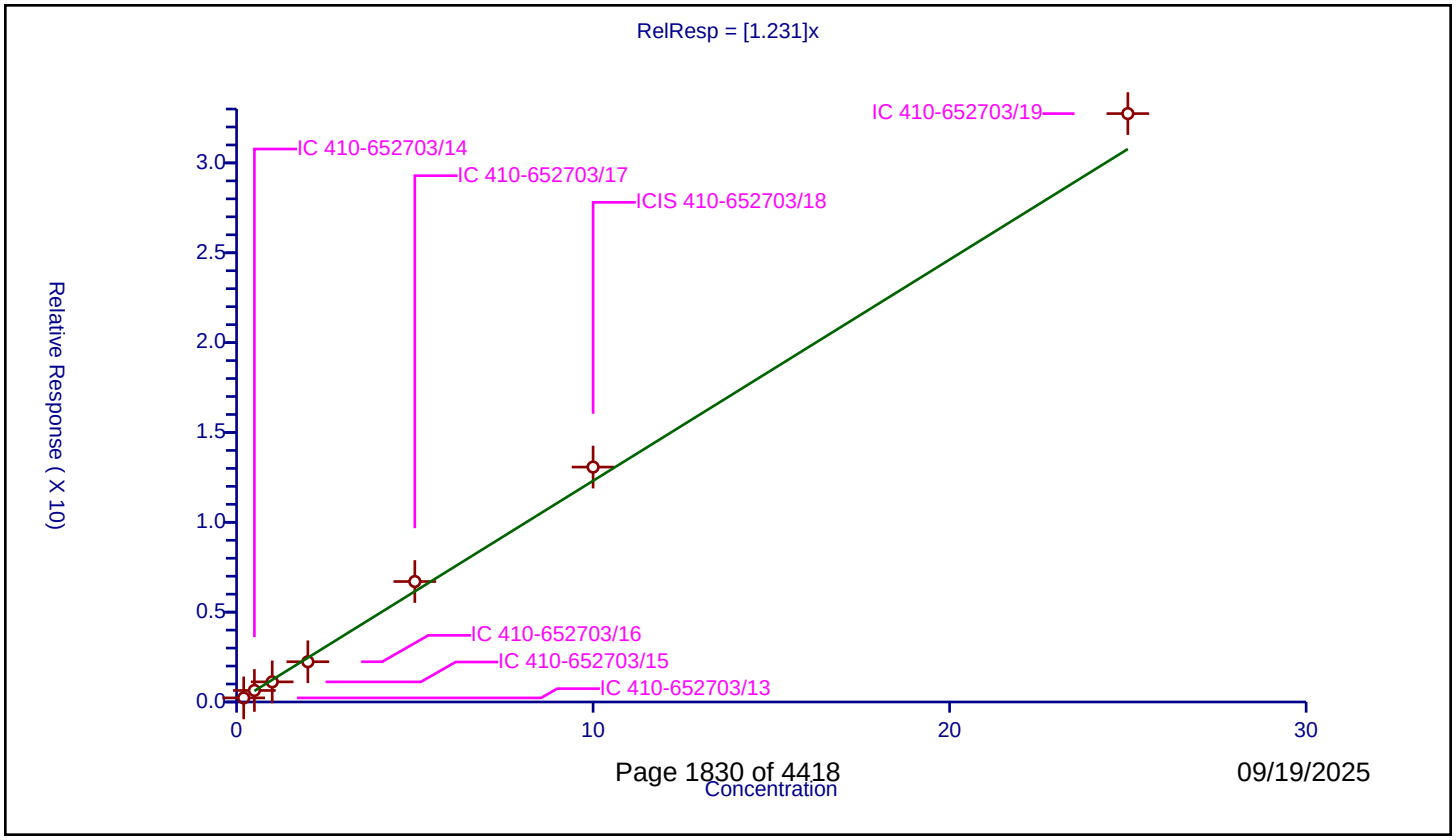
Curve Coefficients

Intercept:	0
Slope:	1.231

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.227066	10.0	1724253.0	1.135332	Y
2	IC 410-652703/14	0.5	0.642288	10.0	1709468.0	1.284575	Y
3	IC 410-652703/15	1.0	1.119102	10.0	1726233.0	1.119102	Y
4	IC 410-652703/16	2.0	2.239616	10.0	1782828.0	1.119808	Y
5	IC 410-652703/17	5.0	6.703692	10.0	1764929.0	1.340738	Y
6	ICIS 410-652703/18	10.0	13.073863	10.0	1784969.0	1.307386	Y
7	IC 410-652703/19	25.0	32.745275	10.0	1791241.0	1.309811	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

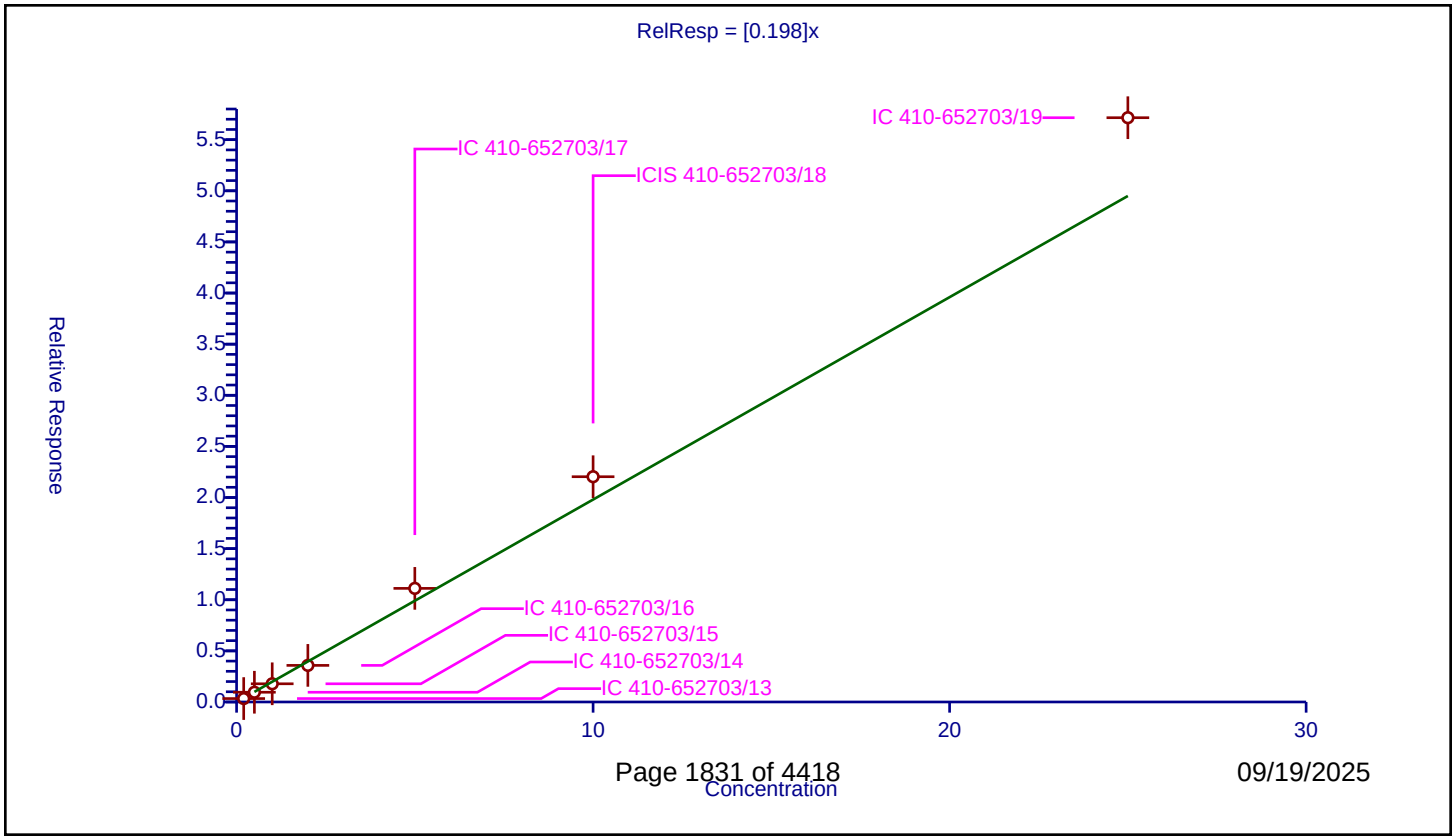
Curve Coefficients

Intercept:	0
Slope:	0.198

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.033406	10.0	1724253.0	0.167029	Y
2	IC 410-652703/14	0.5	0.095316	10.0	1709468.0	0.190632	Y
3	IC 410-652703/15	1.0	0.178093	10.0	1726233.0	0.178093	Y
4	IC 410-652703/16	2.0	0.357864	10.0	1782828.0	0.178932	Y
5	IC 410-652703/17	5.0	1.111195	10.0	1764929.0	0.222239	Y
6	ICIS 410-652703/18	10.0	2.203456	10.0	1784969.0	0.220346	Y
7	IC 410-652703/19	25.0	5.715088	10.0	1791241.0	0.228604	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

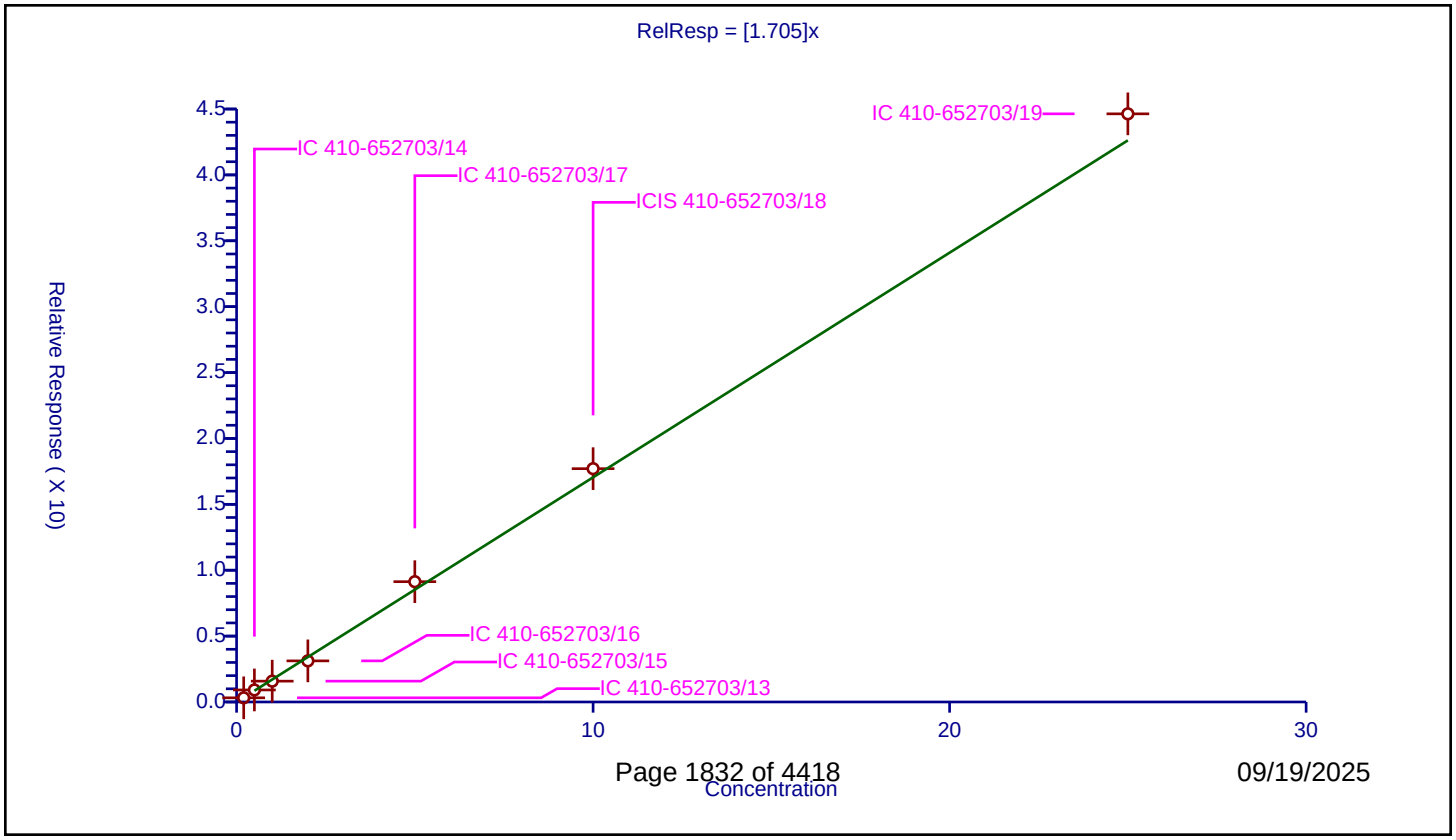
Curve Coefficients

Intercept:	0
Slope:	1.705

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.316444	10.0	1724253.0	1.582221	Y
2	IC 410-652703/14	0.5	0.914407	10.0	1709468.0	1.828815	Y
3	IC 410-652703/15	1.0	1.581218	10.0	1726233.0	1.581218	Y
4	IC 410-652703/16	2.0	3.118747	10.0	1782828.0	1.559374	Y
5	IC 410-652703/17	5.0	9.129767	10.0	1764929.0	1.825953	Y
6	ICIS 410-652703/18	10.0	17.706308	10.0	1784969.0	1.770631	Y
7	IC 410-652703/19	25.0	44.633402	10.0	1791241.0	1.785336	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

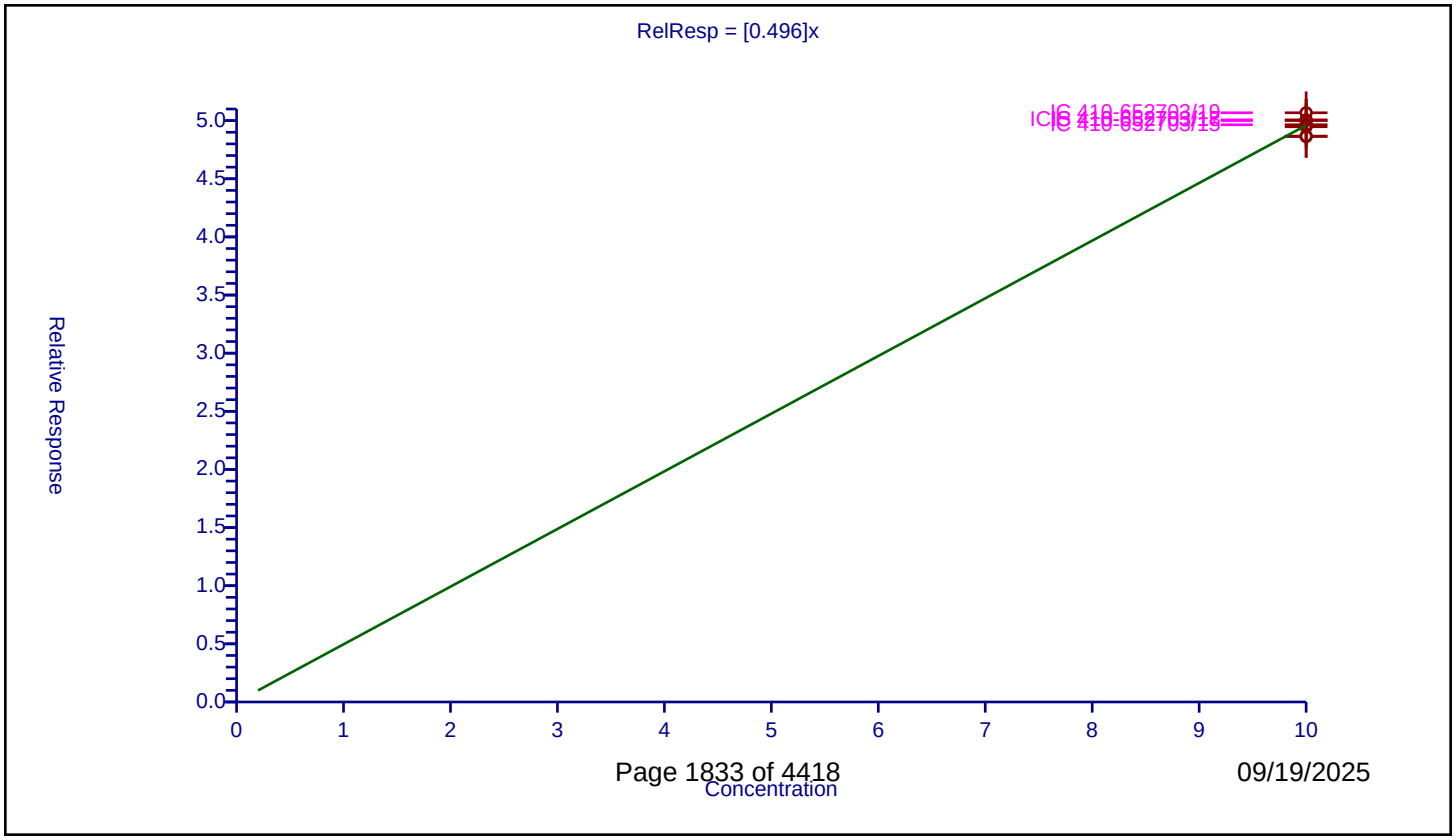
Curve Coefficients

Intercept:	0
Slope:	0.496

Error Coefficients

Relative Standard Deviation:	1.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	10.0	4.866948	10.0	1724253.0	0.486695	Y
2	IC 410-652703/14	10.0	4.86373	10.0	1709468.0	0.486373	Y
3	IC 410-652703/15	10.0	4.964596	10.0	1726233.0	0.49646	Y
4	IC 410-652703/16	10.0	4.947426	10.0	1782828.0	0.494743	Y
5	IC 410-652703/17	10.0	5.006604	10.0	1764929.0	0.50066	Y
6	ICIS 410-652703/18	10.0	5.000832	10.0	1784969.0	0.500083	Y
7	IC 410-652703/19	10.0	5.067593	10.0	1791241.0	0.506759	Y



09/19/2025

Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

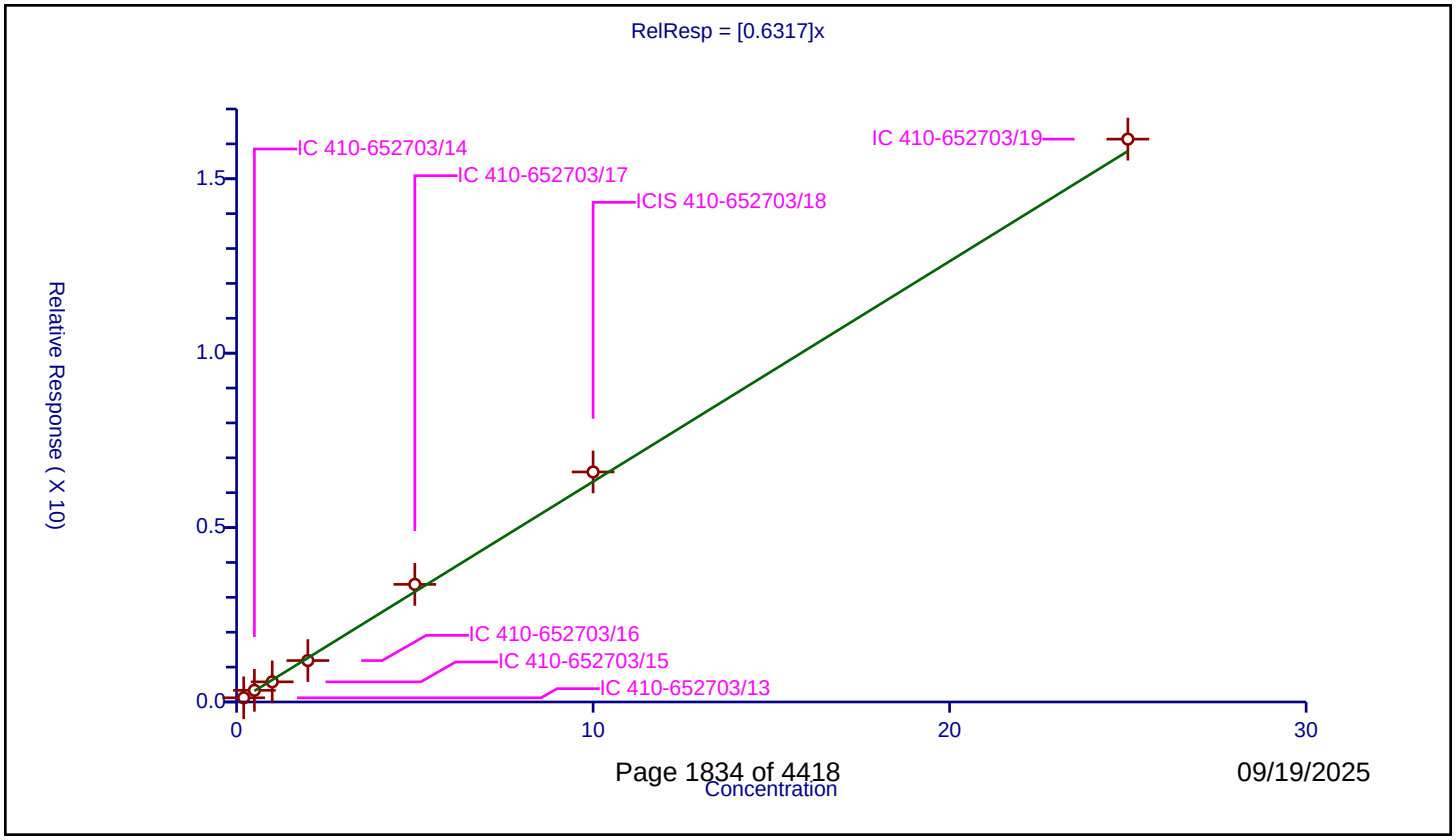
Curve Coefficients

Intercept:	0
Slope:	0.6317

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.120509	10.0	918354.0	0.602545	Y
2	IC 410-652703/14	0.5	0.334211	10.0	903799.0	0.668423	Y
3	IC 410-652703/15	1.0	0.577746	10.0	939357.0	0.577746	Y
4	IC 410-652703/16	2.0	1.187998	10.0	968209.0	0.593999	Y
5	IC 410-652703/17	5.0	3.371961	10.0	982114.0	0.674392	Y
6	ICIS 410-652703/18	10.0	6.59503	10.0	997762.0	0.659503	Y
7	IC 410-652703/19	25.0	16.13696	10.0	1035762.0	0.645478	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

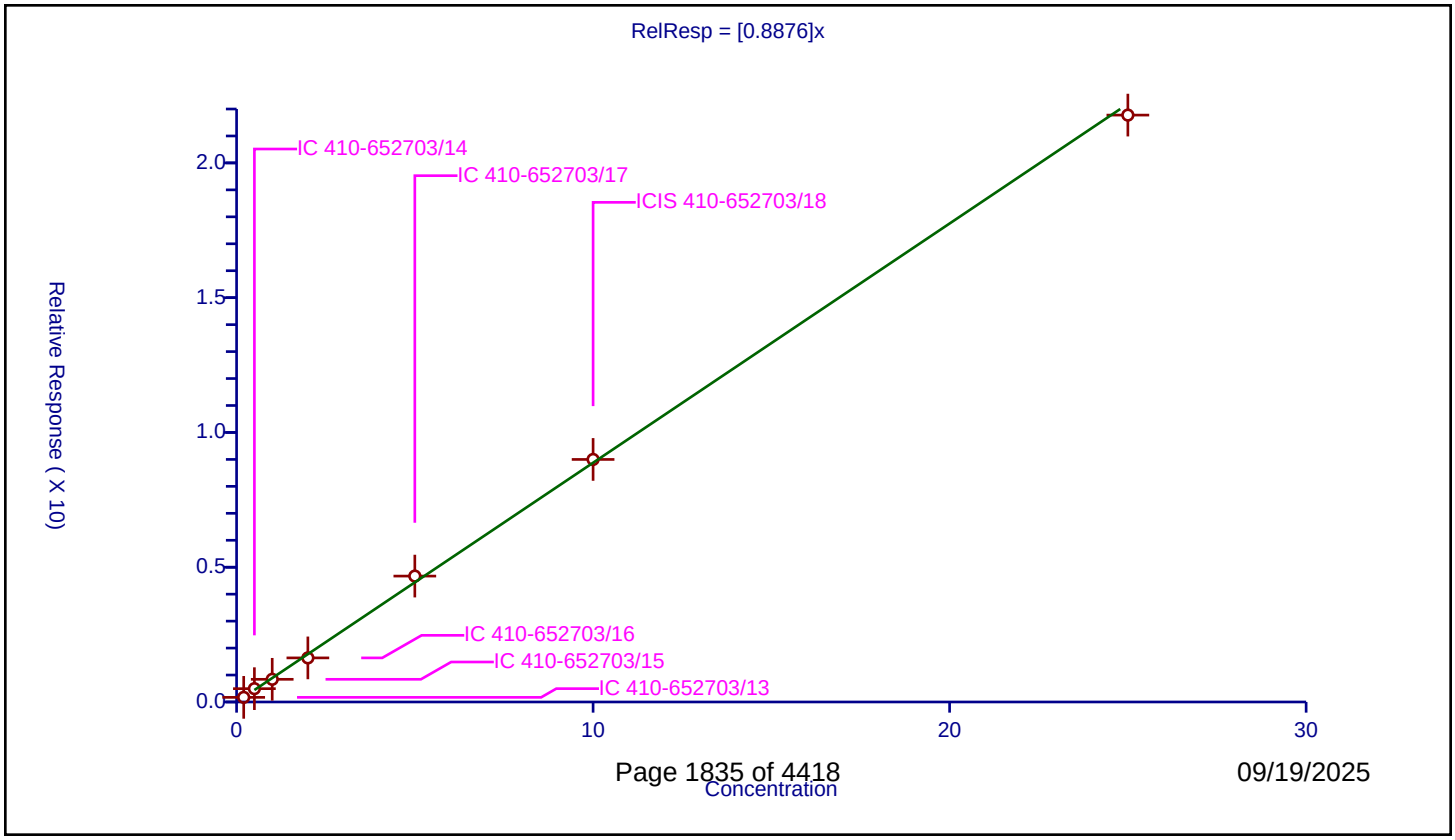
Curve Coefficients

Intercept:	0
Slope:	0.8876

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.17196	10.0	918354.0	0.859799	Y
2	IC 410-652703/14	0.5	0.494656	10.0	903799.0	0.989313	Y
3	IC 410-652703/15	1.0	0.841256	10.0	939357.0	0.841256	Y
4	IC 410-652703/16	2.0	1.635556	10.0	968209.0	0.817778	Y
5	IC 410-652703/17	5.0	4.670924	10.0	982114.0	0.934185	Y
6	ICIS 410-652703/18	10.0	8.998549	10.0	997762.0	0.899855	Y
7	IC 410-652703/19	25.0	21.774761	10.0	1035762.0	0.87099	Y



09/19/2025

Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

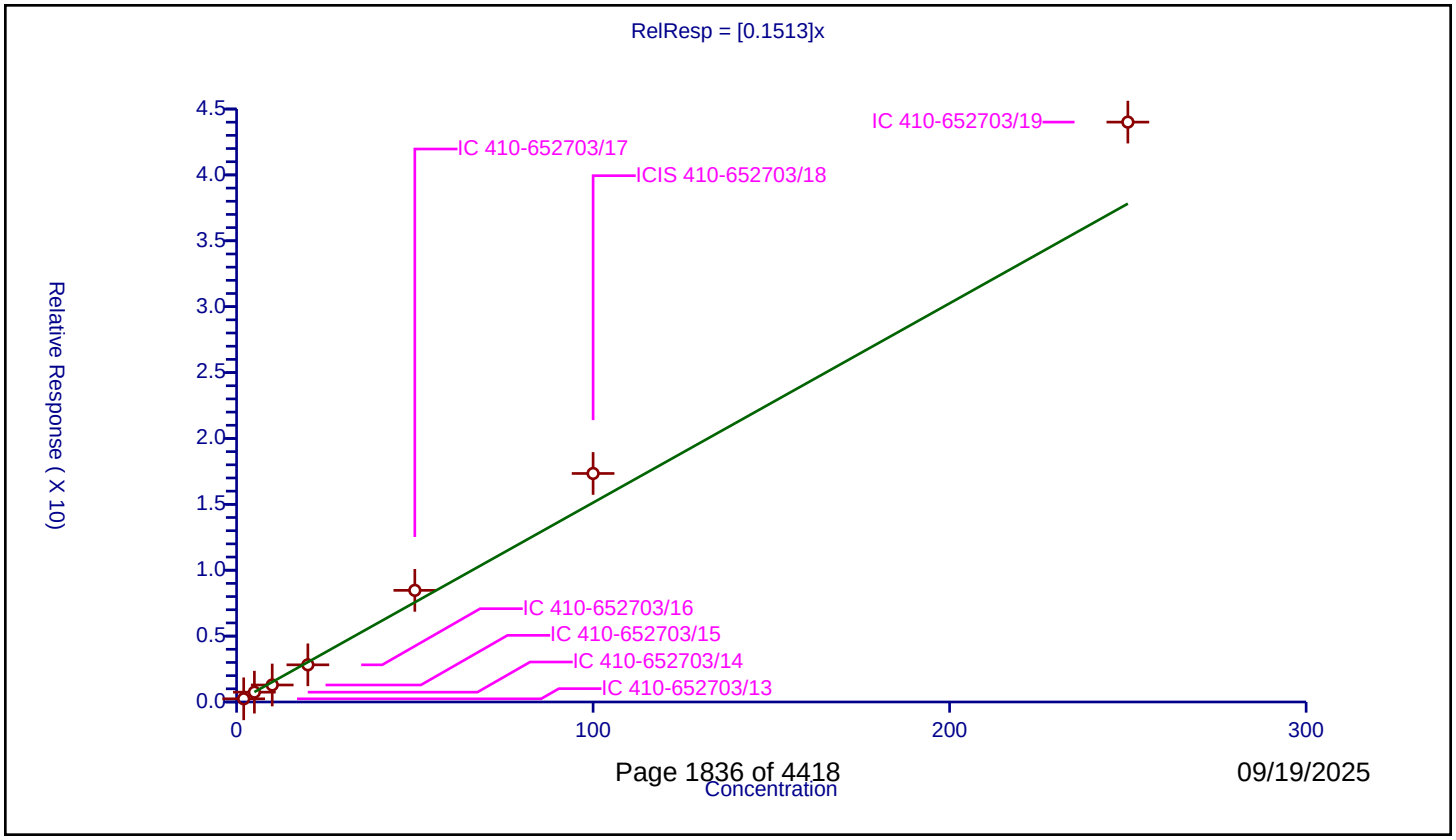
Curve Coefficients

Intercept:	0
Slope:	0.1513

Error Coefficients

Relative Standard Deviation:	14.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	2.0	0.241421	10.0	918354.0	0.120711	Y
2	IC 410-652703/14	5.0	0.746051	10.0	903799.0	0.14921	Y
3	IC 410-652703/15	10.0	1.290564	10.0	939357.0	0.129056	Y
4	IC 410-652703/16	20.0	2.820341	10.0	968209.0	0.141017	Y
5	IC 410-652703/17	50.0	8.472041	10.0	982114.0	0.169441	Y
6	ICIS 410-652703/18	100.0	17.342673	10.0	997762.0	0.173427	Y
7	IC 410-652703/19	250.0	44.006944	10.0	1035762.0	0.176028	Y



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

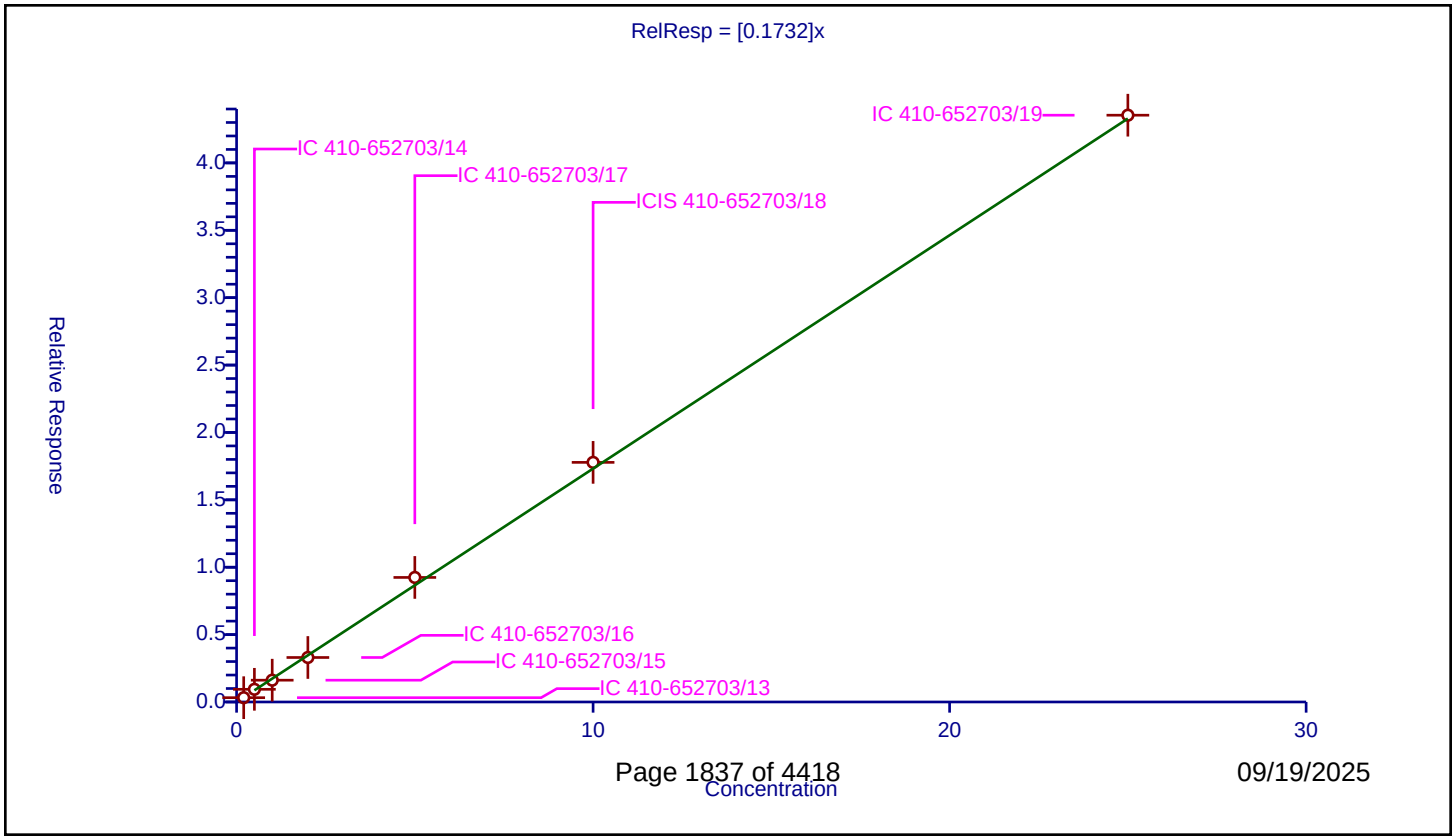
Curve Coefficients

Intercept:	0
Slope:	0.1732

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.032025	10.0	918354.0	0.160123	Y
2	IC 410-652703/14	0.5	0.09418	10.0	903799.0	0.18836	Y
3	IC 410-652703/15	1.0	0.161792	10.0	939357.0	0.161792	Y
4	IC 410-652703/16	2.0	0.330166	10.0	968209.0	0.165083	Y
5	IC 410-652703/17	5.0	0.924221	10.0	982114.0	0.184844	Y
6	ICIS 410-652703/18	10.0	1.777889	10.0	997762.0	0.177789	Y
7	IC 410-652703/19	25.0	4.354041	10.0	1035762.0	0.174162	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

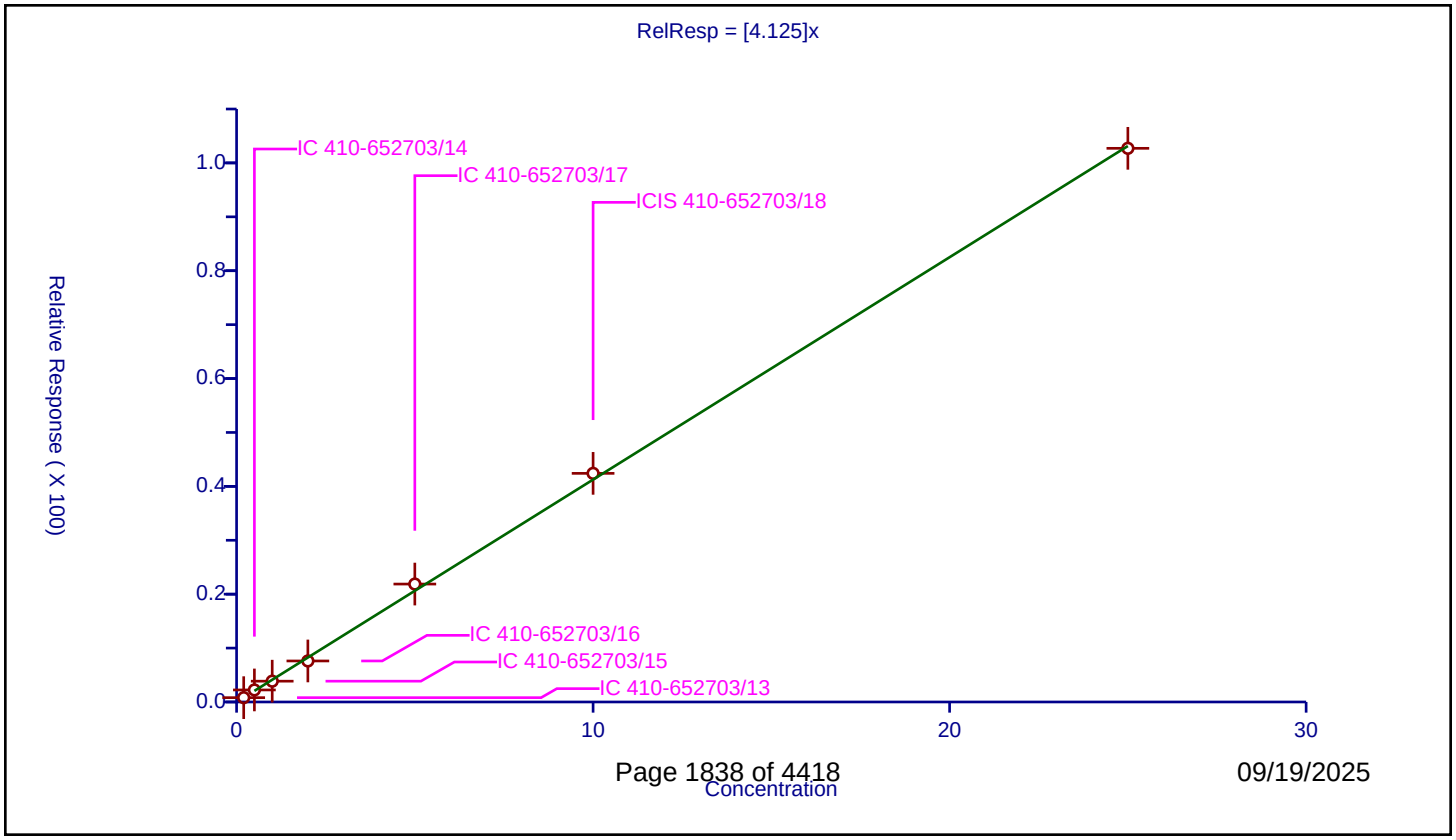
Curve Coefficients

Intercept:	0
Slope:	4.125

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.803339	10.0	918354.0	4.016697	Y
2	IC 410-652703/14	0.5	2.234291	10.0	903799.0	4.468582	Y
3	IC 410-652703/15	1.0	3.861812	10.0	939357.0	3.861812	Y
4	IC 410-652703/16	2.0	7.610237	10.0	968209.0	3.805119	Y
5	IC 410-652703/17	5.0	21.875556	10.0	982114.0	4.375111	Y
6	ICIS 410-652703/18	10.0	42.410144	10.0	997762.0	4.241014	Y
7	IC 410-652703/19	25.0	102.71014	10.0	1035762.0	4.108406	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

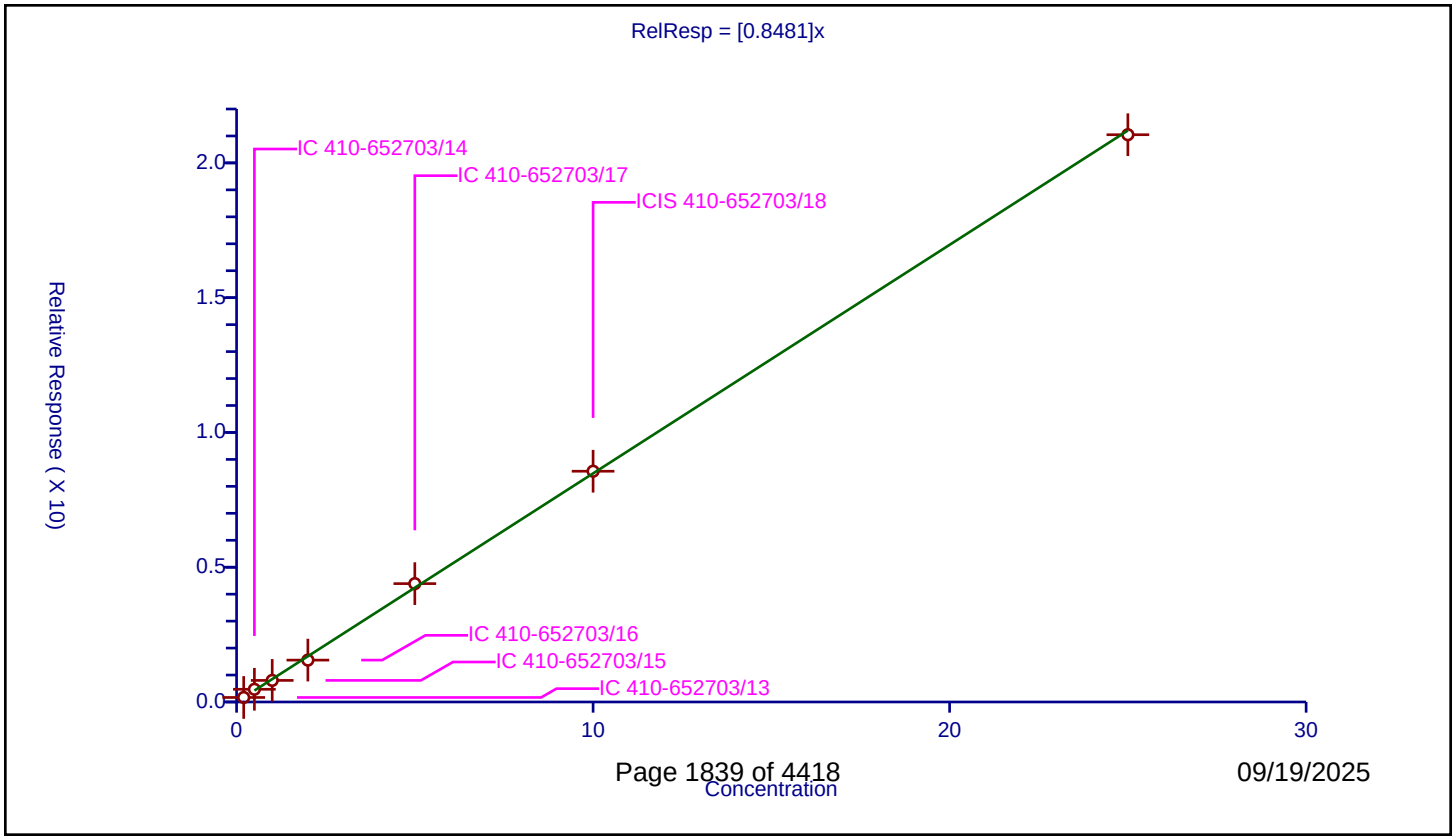
Curve Coefficients

Intercept:	0
Slope:	0.8481

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.167822	10.0	918354.0	0.83911	Y
2	IC 410-652703/14	0.5	0.471322	10.0	903799.0	0.942643	Y
3	IC 410-652703/15	1.0	0.80124	10.0	939357.0	0.80124	Y
4	IC 410-652703/16	2.0	1.554148	10.0	968209.0	0.777074	Y
5	IC 410-652703/17	5.0	4.391425	10.0	982114.0	0.878285	Y
6	ICIS 410-652703/18	10.0	8.561451	10.0	997762.0	0.856145	Y
7	IC 410-652703/19	25.0	21.046572	10.0	1035762.0	0.841863	Y



09/19/2025

Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

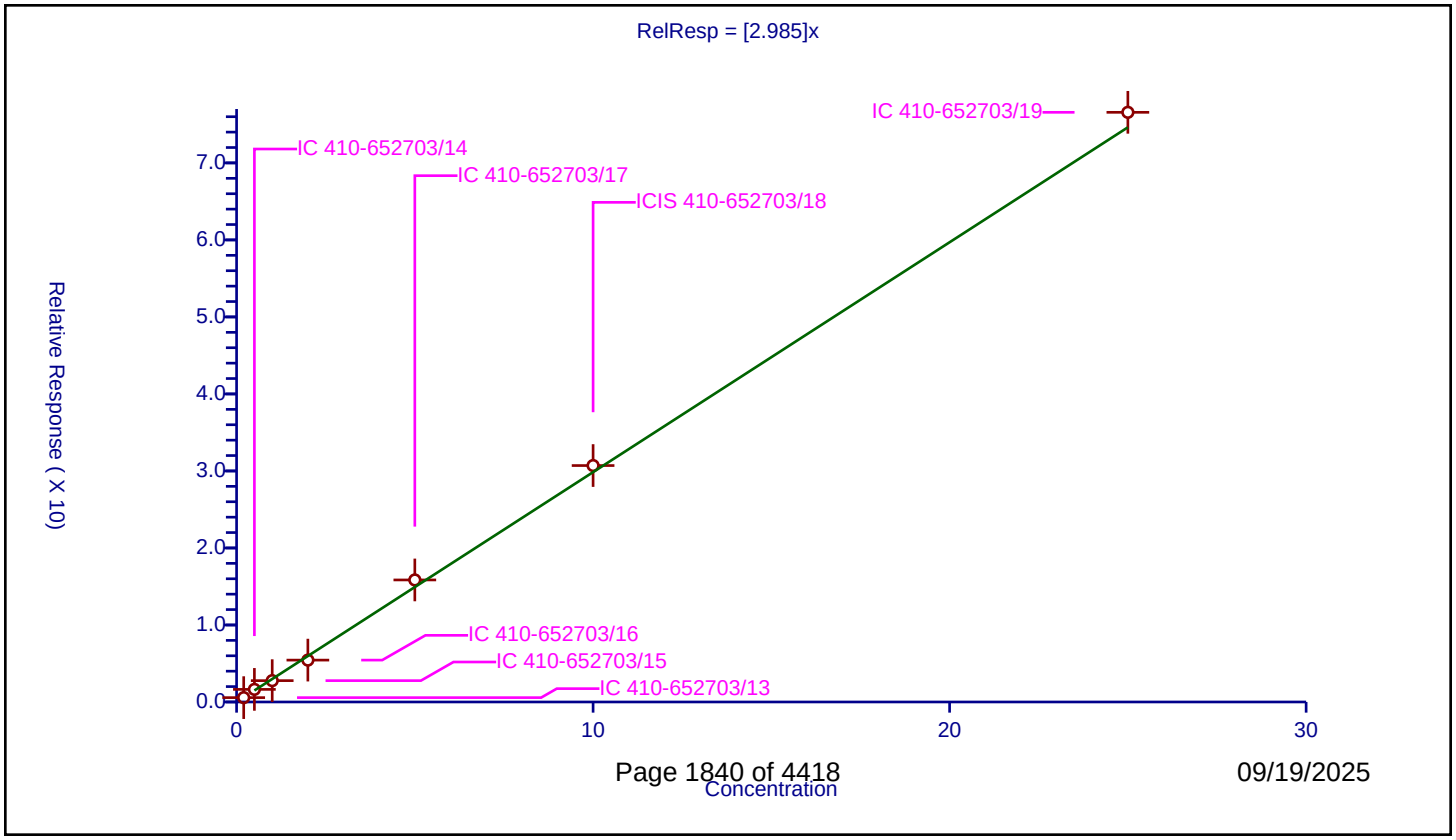
Curve Coefficients

Intercept:	0
Slope:	2.985

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.565621	10.0	918354.0	2.828103	Y
2	IC 410-652703/14	0.5	1.636525	10.0	903799.0	3.273051	Y
3	IC 410-652703/15	1.0	2.770714	10.0	939357.0	2.770714	Y
4	IC 410-652703/16	2.0	5.439642	10.0	968209.0	2.719821	Y
5	IC 410-652703/17	5.0	15.846725	10.0	982114.0	3.169345	Y
6	ICIS 410-652703/18	10.0	30.701771	10.0	997762.0	3.070177	Y
7	IC 410-652703/19	25.0	76.571896	10.0	1035762.0	3.062876	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

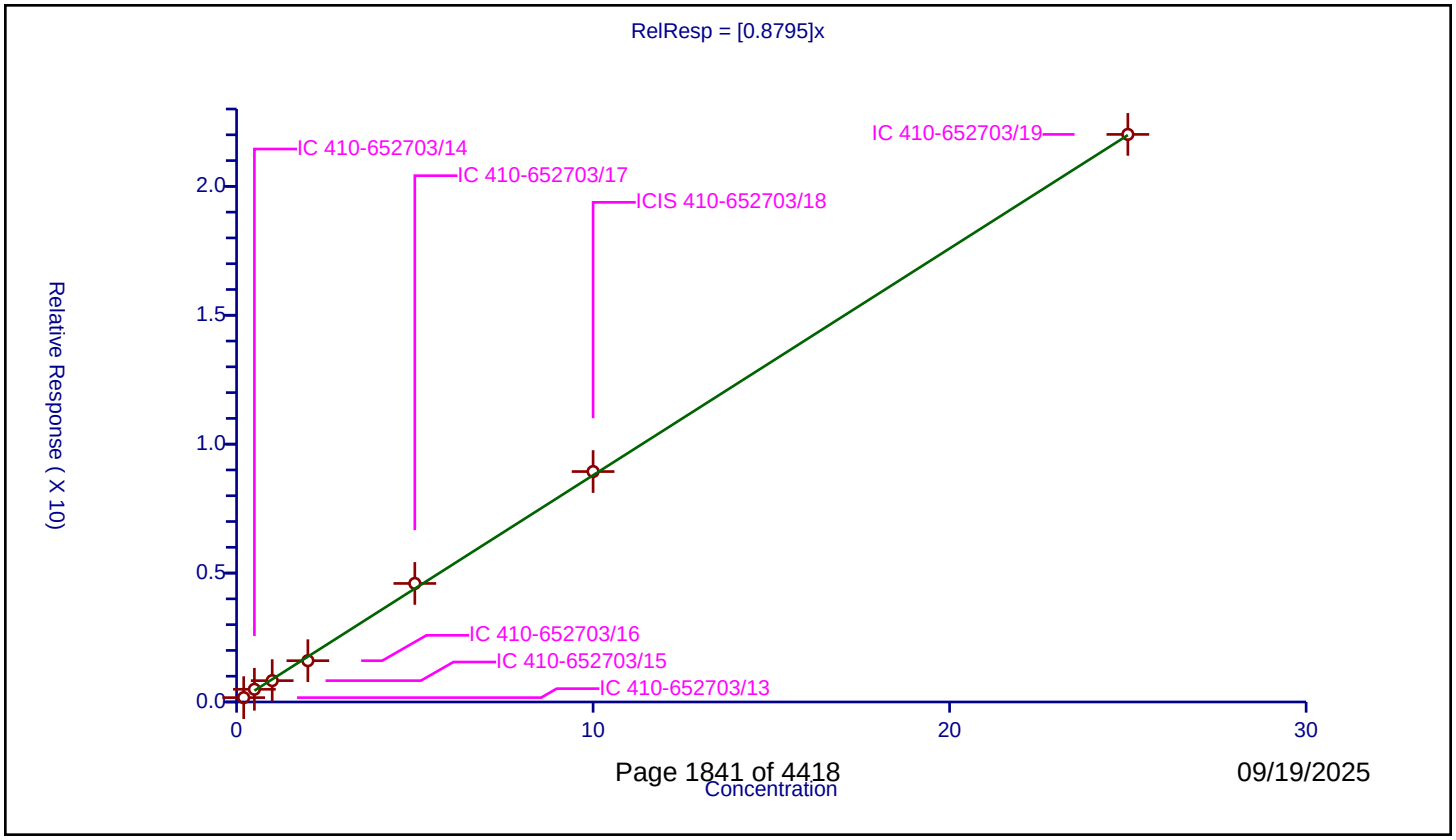
Curve Coefficients

Intercept:	0
Slope:	0.8795

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.169575	10.0	918354.0	0.847876	Y
2	IC 410-652703/14	0.5	0.492897	10.0	903799.0	0.985794	Y
3	IC 410-652703/15	1.0	0.827822	10.0	939357.0	0.827822	Y
4	IC 410-652703/16	2.0	1.602175	10.0	968209.0	0.801087	Y
5	IC 410-652703/17	5.0	4.597766	10.0	982114.0	0.919553	Y
6	ICIS 410-652703/18	10.0	8.938685	10.0	997762.0	0.893868	Y
7	IC 410-652703/19	25.0	22.015212	10.0	1035762.0	0.880608	Y



09/19/2025

Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

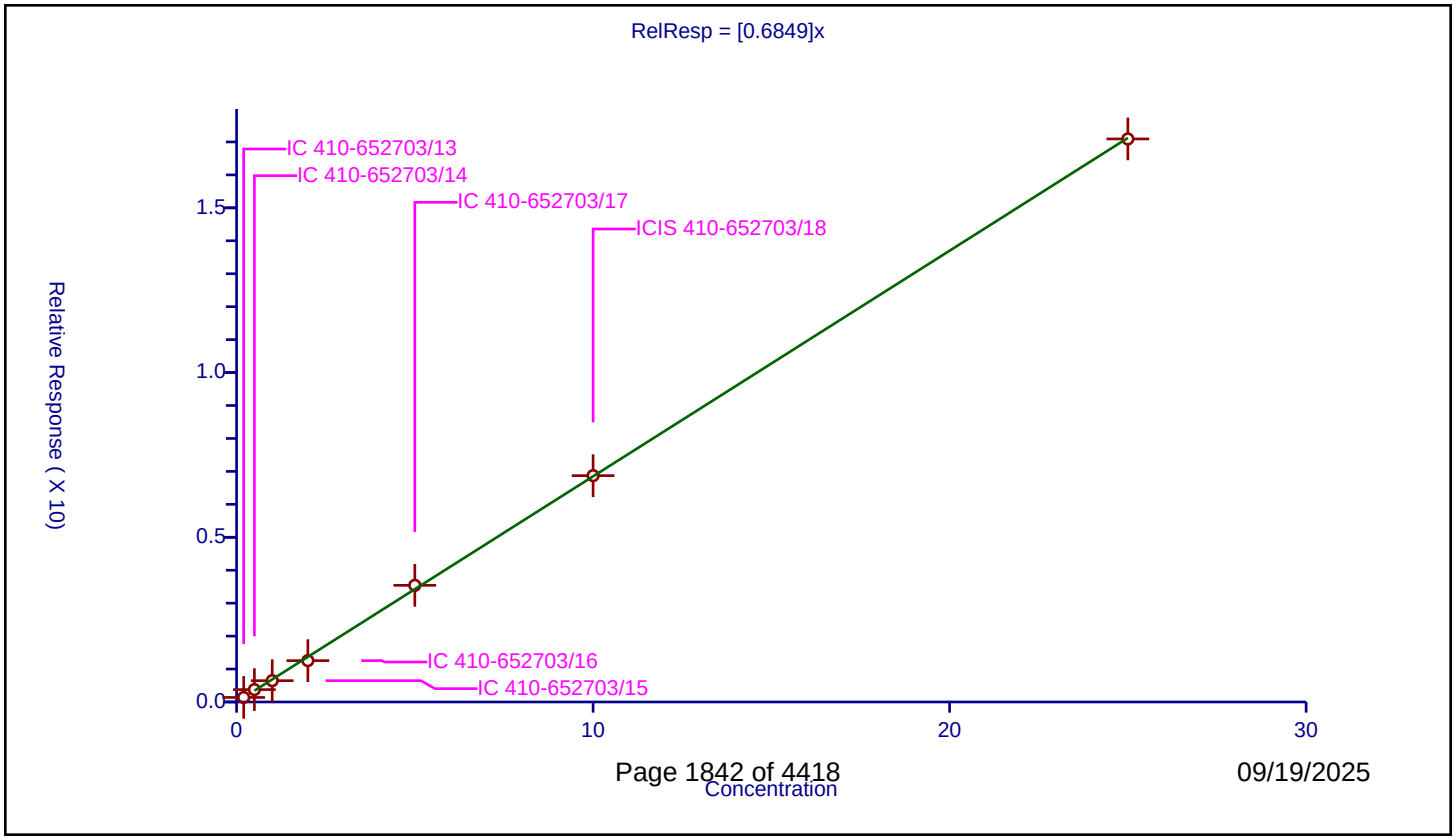
Curve Coefficients

Intercept:	0
Slope:	0.6849

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.137823	10.0	918354.0	0.689113	Y
2	IC 410-652703/14	0.5	0.37567	10.0	903799.0	0.75134	Y
3	IC 410-652703/15	1.0	0.647507	10.0	939357.0	0.647507	Y
4	IC 410-652703/16	2.0	1.255328	10.0	968209.0	0.627664	Y
5	IC 410-652703/17	5.0	3.540872	10.0	982114.0	0.708174	Y
6	ICIS 410-652703/18	10.0	6.870556	10.0	997762.0	0.687056	Y
7	IC 410-652703/19	25.0	17.091668	10.0	1035762.0	0.683667	Y



Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

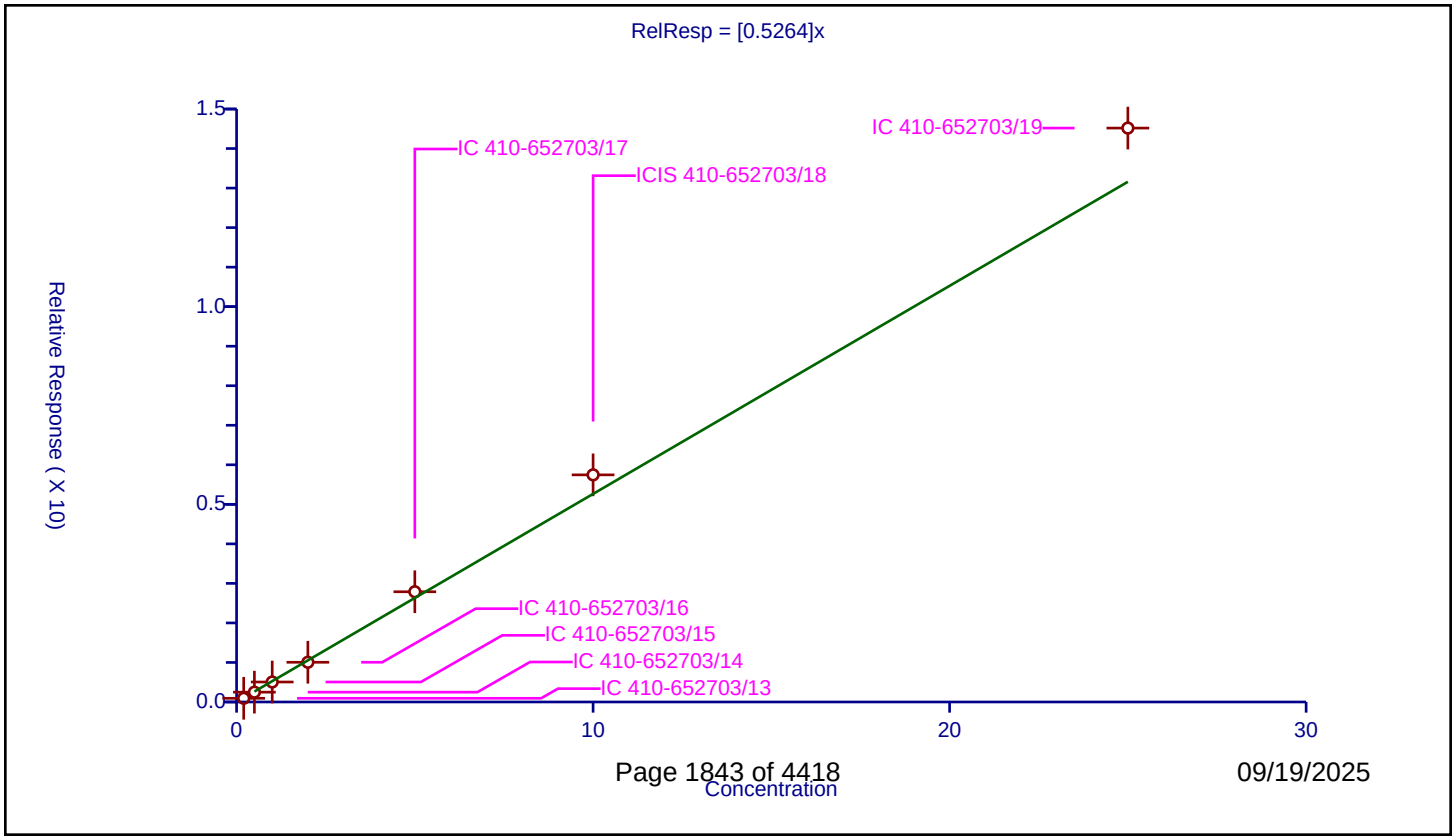
Curve Coefficients

Intercept:	0
Slope:	0.5264

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.093199	10.0	918354.0	0.465997	Y
2	IC 410-652703/14	0.5	0.24875	10.0	903799.0	0.4975	Y
3	IC 410-652703/15	1.0	0.50558	10.0	939357.0	0.50558	Y
4	IC 410-652703/16	2.0	1.004969	10.0	968209.0	0.502484	Y
5	IC 410-652703/17	5.0	2.78821	10.0	982114.0	0.557642	Y
6	ICIS 410-652703/18	10.0	5.745589	10.0	997762.0	0.574559	Y
7	IC 410-652703/19	25.0	14.517891	10.0	1035762.0	0.580716	Y



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

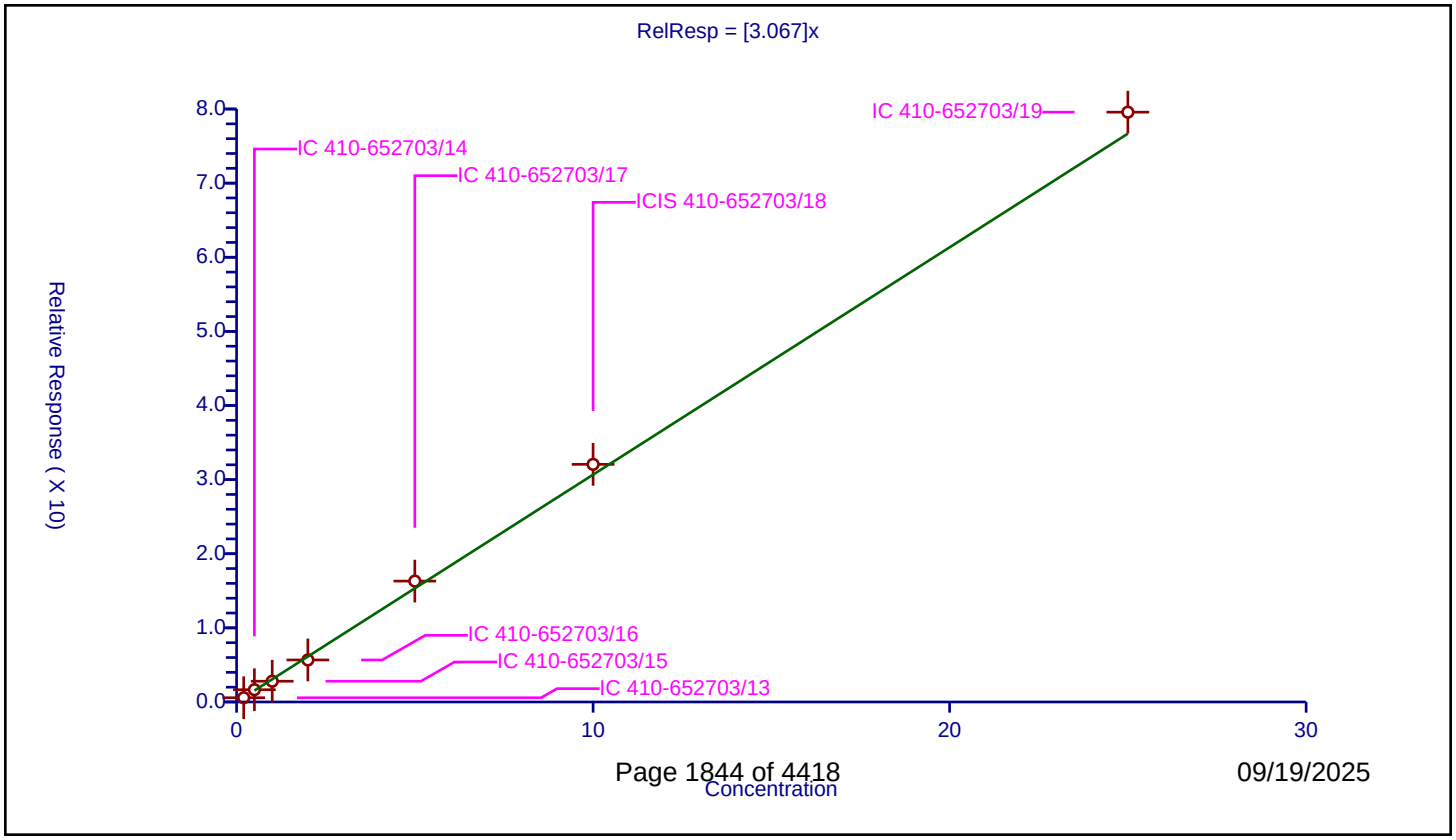
Curve Coefficients

Intercept:	0
Slope:	3.067

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.573189	10.0	918354.0	2.865943	Y
2	IC 410-652703/14	0.5	1.657183	10.0	903799.0	3.314365	Y
3	IC 410-652703/15	1.0	2.802098	10.0	939357.0	2.802098	Y
4	IC 410-652703/16	2.0	5.671141	10.0	968209.0	2.835571	Y
5	IC 410-652703/17	5.0	16.309237	10.0	982114.0	3.261847	Y
6	ICIS 410-652703/18	10.0	32.060471	10.0	997762.0	3.206047	Y
7	IC 410-652703/19	25.0	79.575124	10.0	1035762.0	3.183005	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

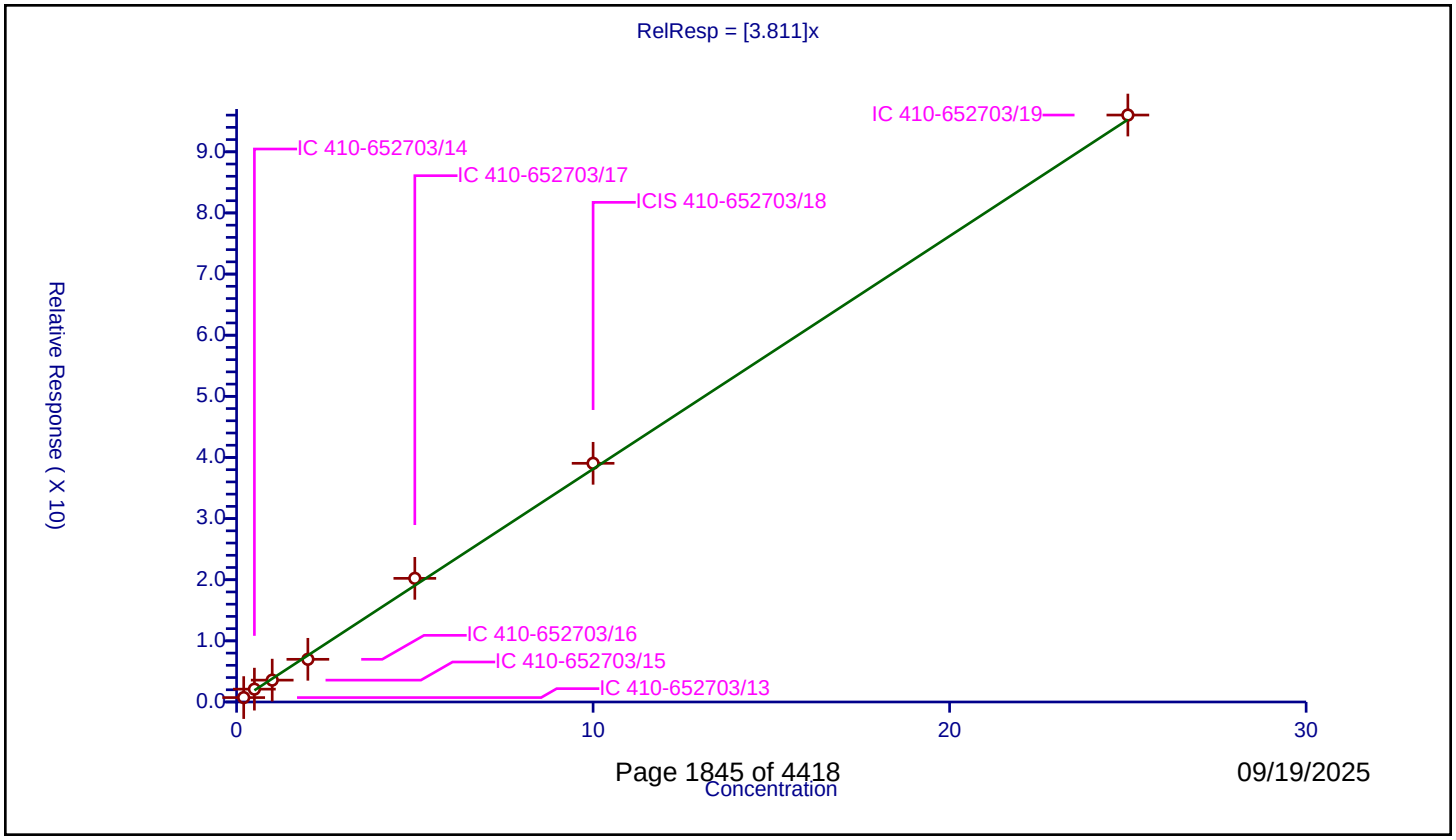
Curve Coefficients

Intercept:	0
Slope:	3.811

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.722445	10.0	918354.0	3.612224	Y
2	IC 410-652703/14	0.5	2.101828	10.0	903799.0	4.203656	Y
3	IC 410-652703/15	1.0	3.576808	10.0	939357.0	3.576808	Y
4	IC 410-652703/16	2.0	6.983792	10.0	968209.0	3.491896	Y
5	IC 410-652703/17	5.0	20.22478	10.0	982114.0	4.044956	Y
6	ICIS 410-652703/18	10.0	39.043048	10.0	997762.0	3.904305	Y
7	IC 410-652703/19	25.0	96.013109	10.0	1035762.0	3.840524	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

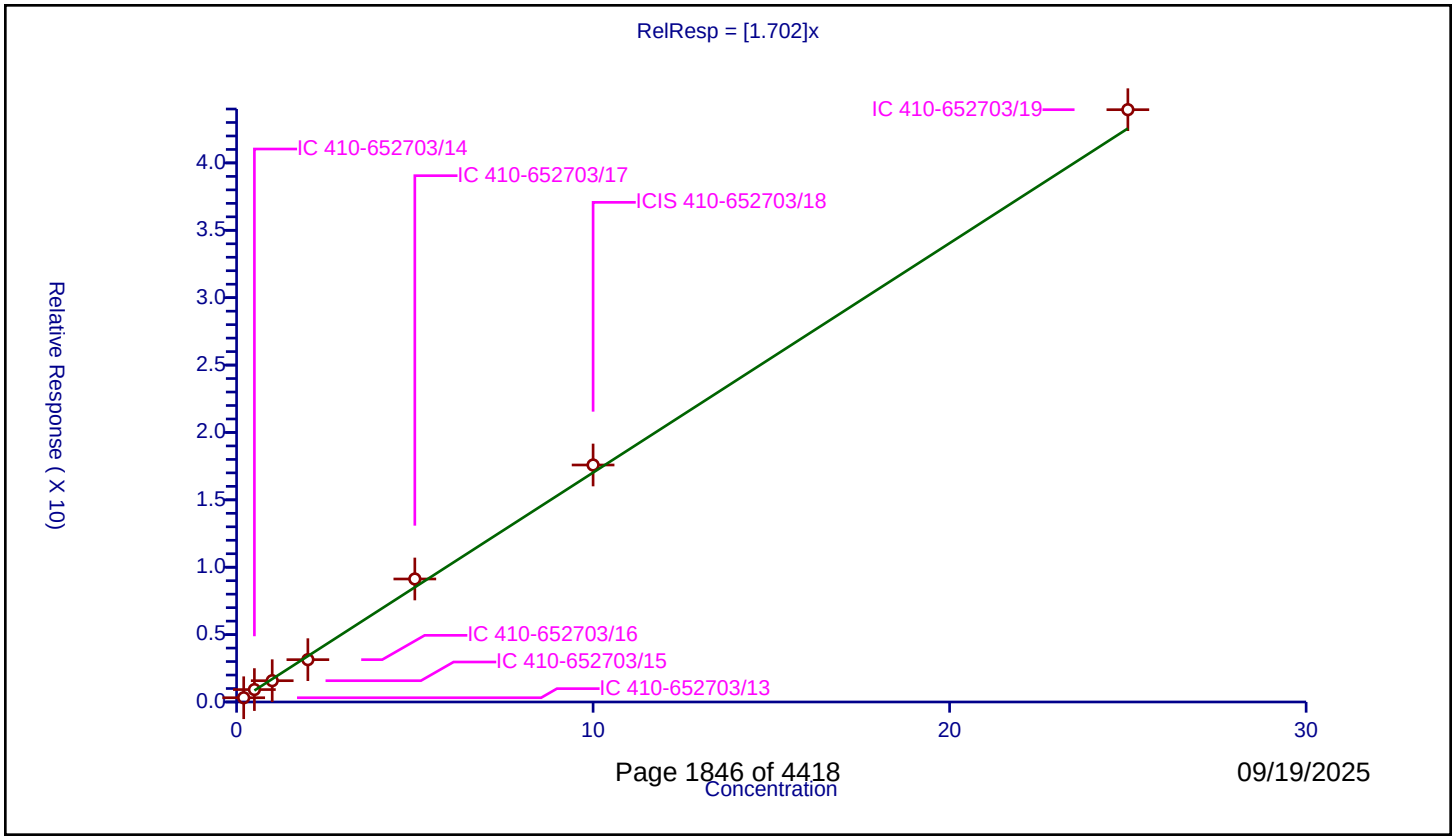
Curve Coefficients

Intercept:	0
Slope:	1.702

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.316272	10.0	918354.0	1.581362	Y
2	IC 410-652703/14	0.5	0.921588	10.0	903799.0	1.843175	Y
3	IC 410-652703/15	1.0	1.579155	10.0	939357.0	1.579155	Y
4	IC 410-652703/16	2.0	3.140355	10.0	968209.0	1.570178	Y
5	IC 410-652703/17	5.0	9.127413	10.0	982114.0	1.825483	Y
6	ICIS 410-652703/18	10.0	17.585516	10.0	997762.0	1.758552	Y
7	IC 410-652703/19	25.0	43.950898	10.0	1035762.0	1.758036	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

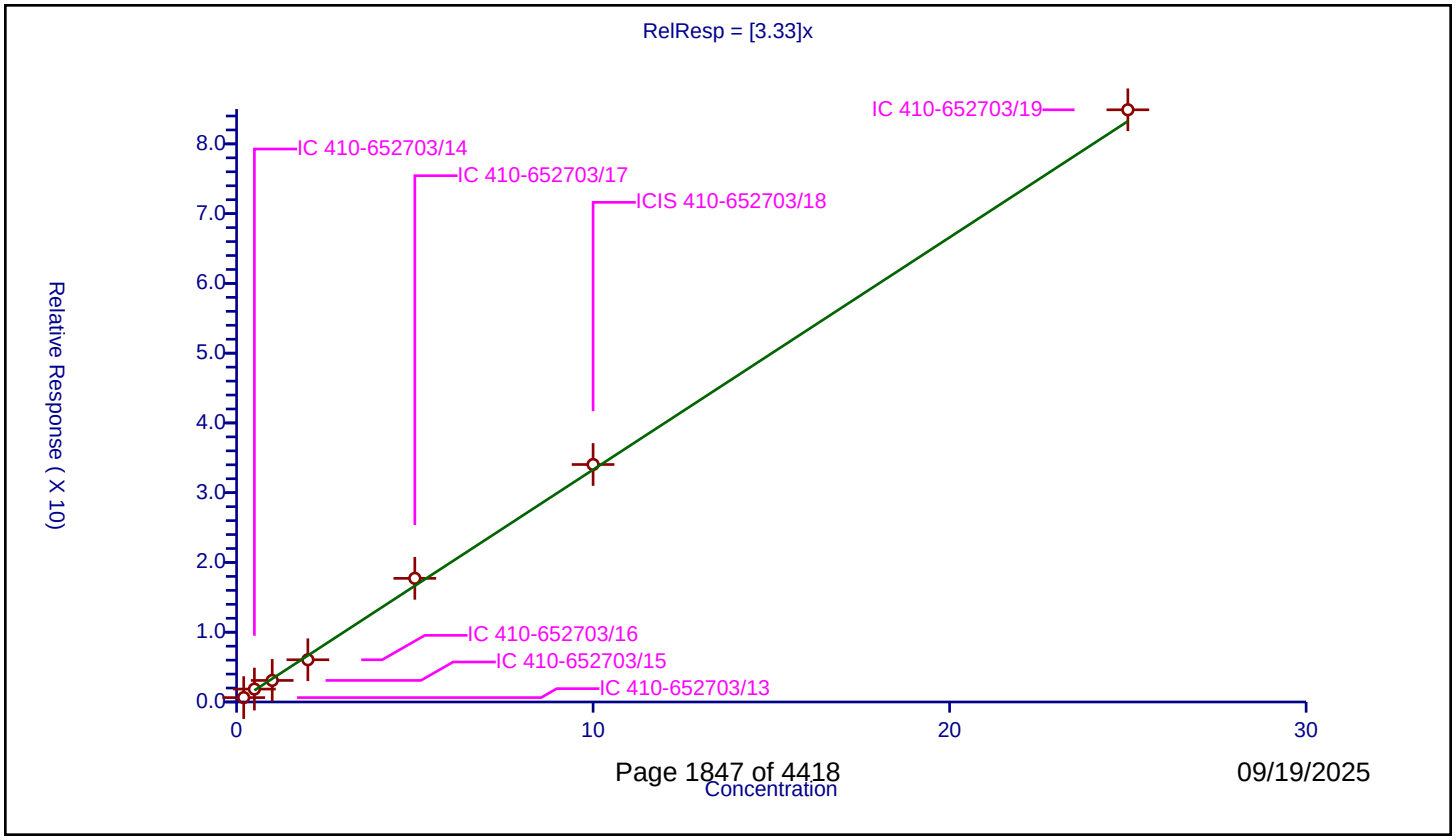
Curve Coefficients

Intercept:	0
Slope:	3.33

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.629583	10.0	918354.0	3.147915	Y
2	IC 410-652703/14	0.5	1.850445	10.0	903799.0	3.700889	Y
3	IC 410-652703/15	1.0	3.089283	10.0	939357.0	3.089283	Y
4	IC 410-652703/16	2.0	6.053776	10.0	968209.0	3.026888	Y
5	IC 410-652703/17	5.0	17.724562	10.0	982114.0	3.544912	Y
6	ICIS 410-652703/18	10.0	34.041796	10.0	997762.0	3.40418	Y
7	IC 410-652703/19	25.0	84.888922	10.0	1035762.0	3.395557	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

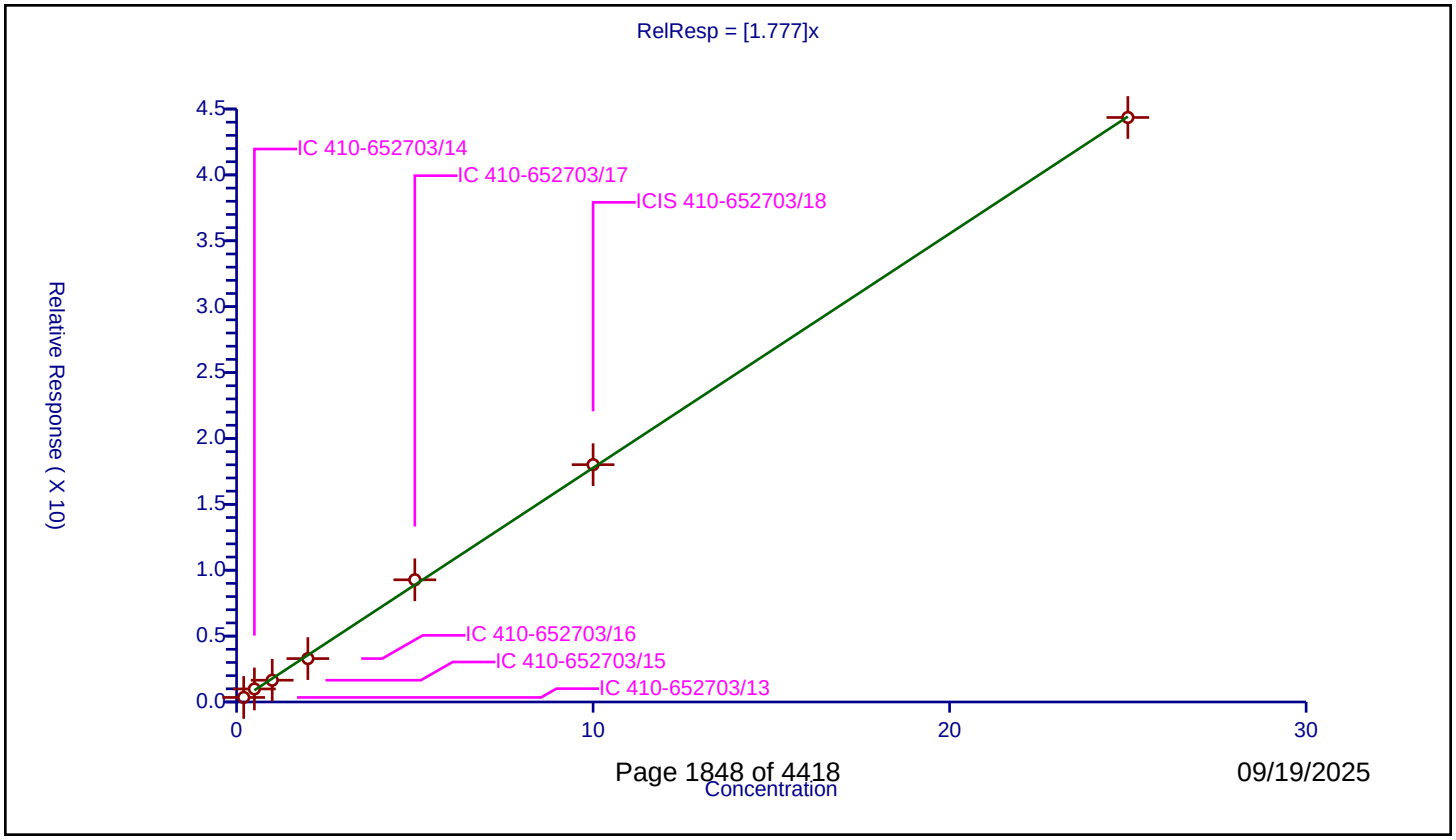
Curve Coefficients

Intercept:	0
Slope:	1.777

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.345727	10.0	918354.0	1.728636	Y
2	IC 410-652703/14	0.5	0.990331	10.0	903799.0	1.980662	Y
3	IC 410-652703/15	1.0	1.652982	10.0	939357.0	1.652982	Y
4	IC 410-652703/16	2.0	3.293297	10.0	968209.0	1.646649	Y
5	IC 410-652703/17	5.0	9.274595	10.0	982114.0	1.854919	Y
6	ICIS 410-652703/18	10.0	18.010036	10.0	997762.0	1.801004	Y
7	IC 410-652703/19	25.0	44.359274	10.0	1035762.0	1.774371	Y



Calibration / 1,2,3-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

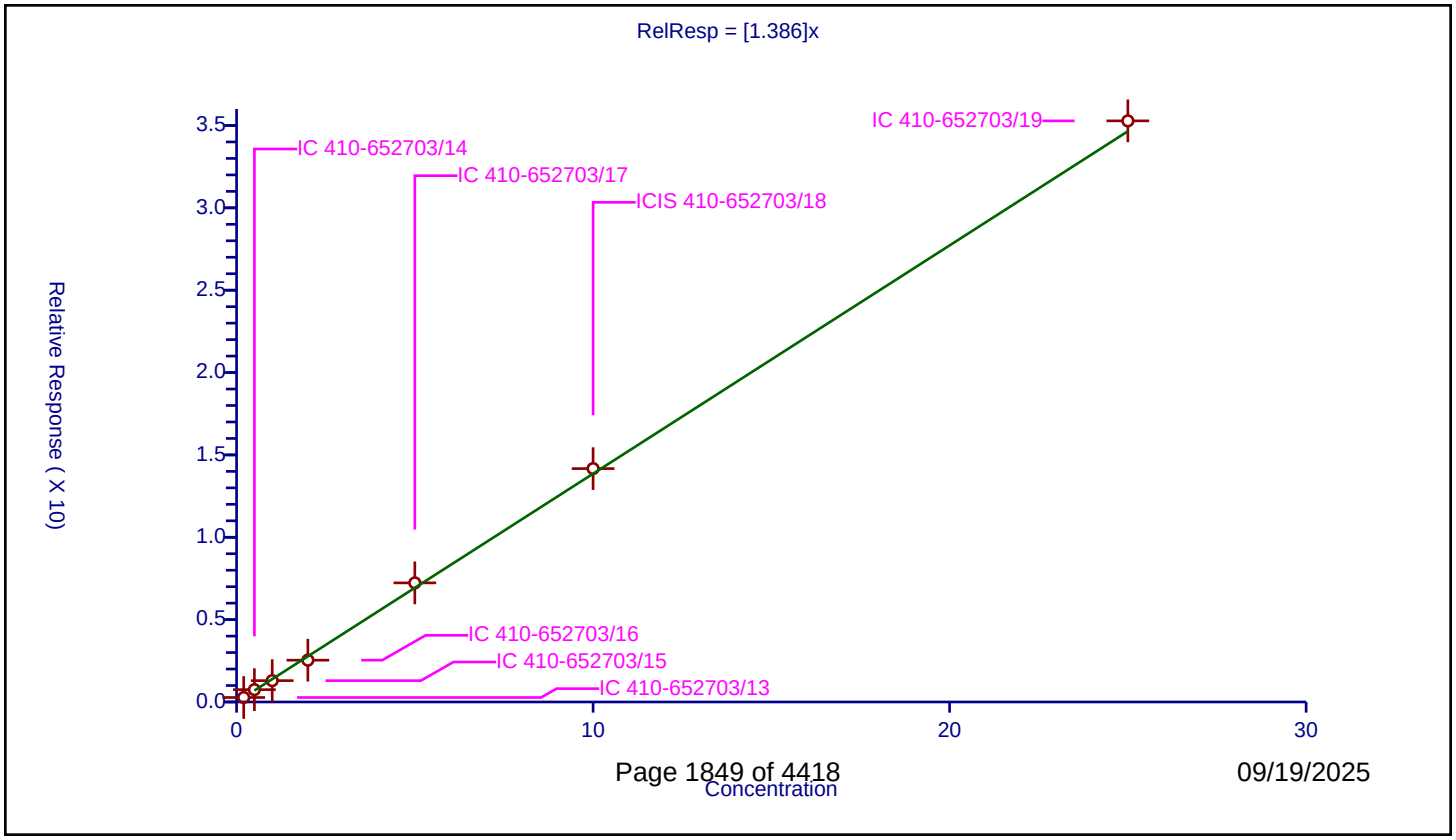
Curve Coefficients

Intercept:	0
Slope:	1.386

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.273282	10.0	918354.0	1.366412	Y
2	IC 410-652703/14	0.5	0.748308	10.0	903799.0	1.496616	Y
3	IC 410-652703/15	1.0	1.295578	10.0	939357.0	1.295578	Y
4	IC 410-652703/16	2.0	2.537582	10.0	968209.0	1.268791	Y
5	IC 410-652703/17	5.0	7.230556	10.0	982114.0	1.446111	Y
6	ICIS 410-652703/18	10.0	14.16901	10.0	997762.0	1.416901	Y
7	IC 410-652703/19	25.0	35.280238	10.0	1035762.0	1.41121	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

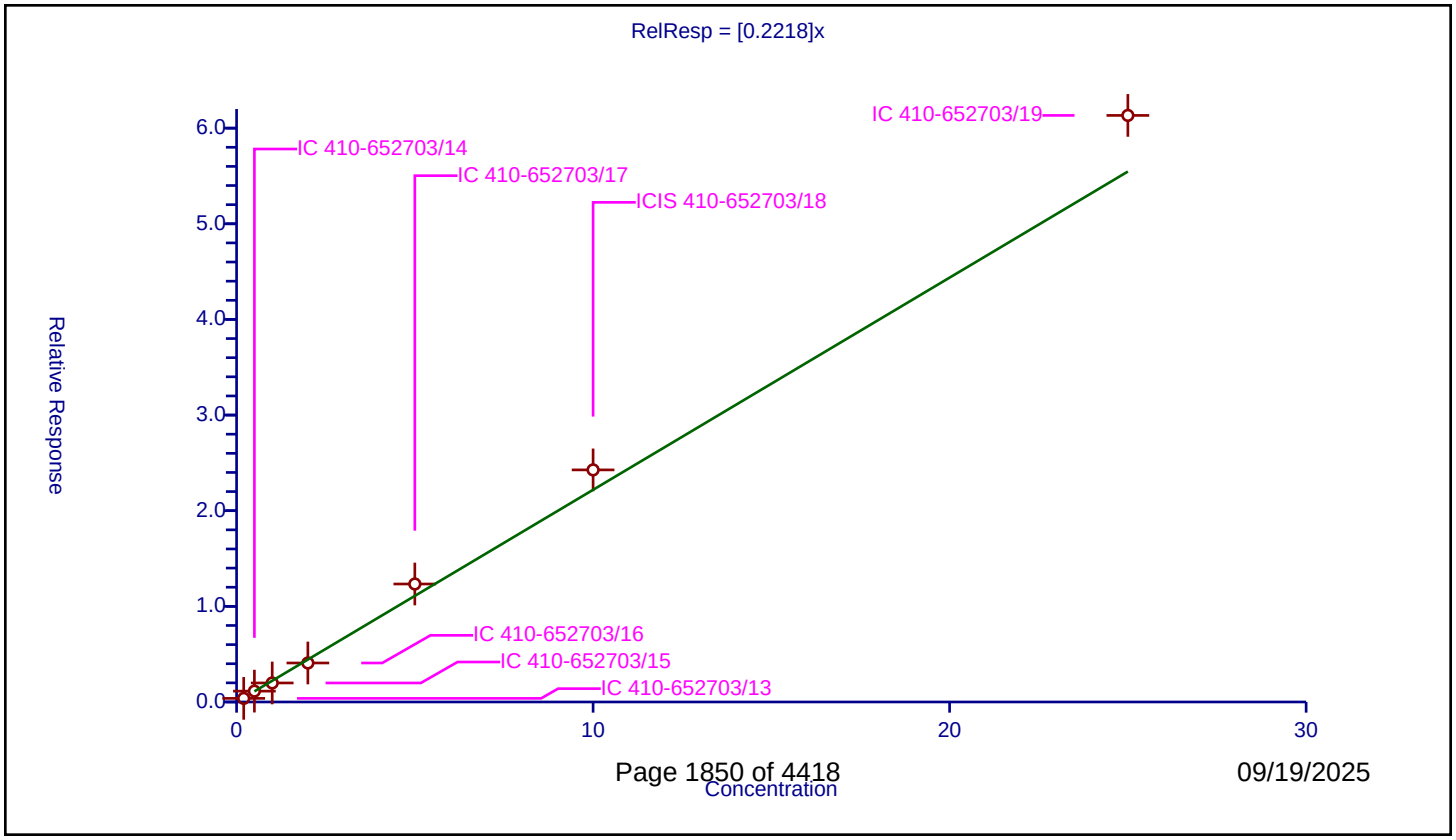
Curve Coefficients

Intercept:	0
Slope:	0.2218

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.037643	10.0	918354.0	0.188217	Y
2	IC 410-652703/14	0.5	0.113643	10.0	903799.0	0.227285	Y
3	IC 410-652703/15	1.0	0.198838	10.0	939357.0	0.198838	Y
4	IC 410-652703/16	2.0	0.407691	10.0	968209.0	0.203845	Y
5	IC 410-652703/17	5.0	1.233706	10.0	982114.0	0.246741	Y
6	ICIS 410-652703/18	10.0	2.426771	10.0	997762.0	0.242677	Y
7	IC 410-652703/19	25.0	6.132953	10.0	1035762.0	0.245318	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

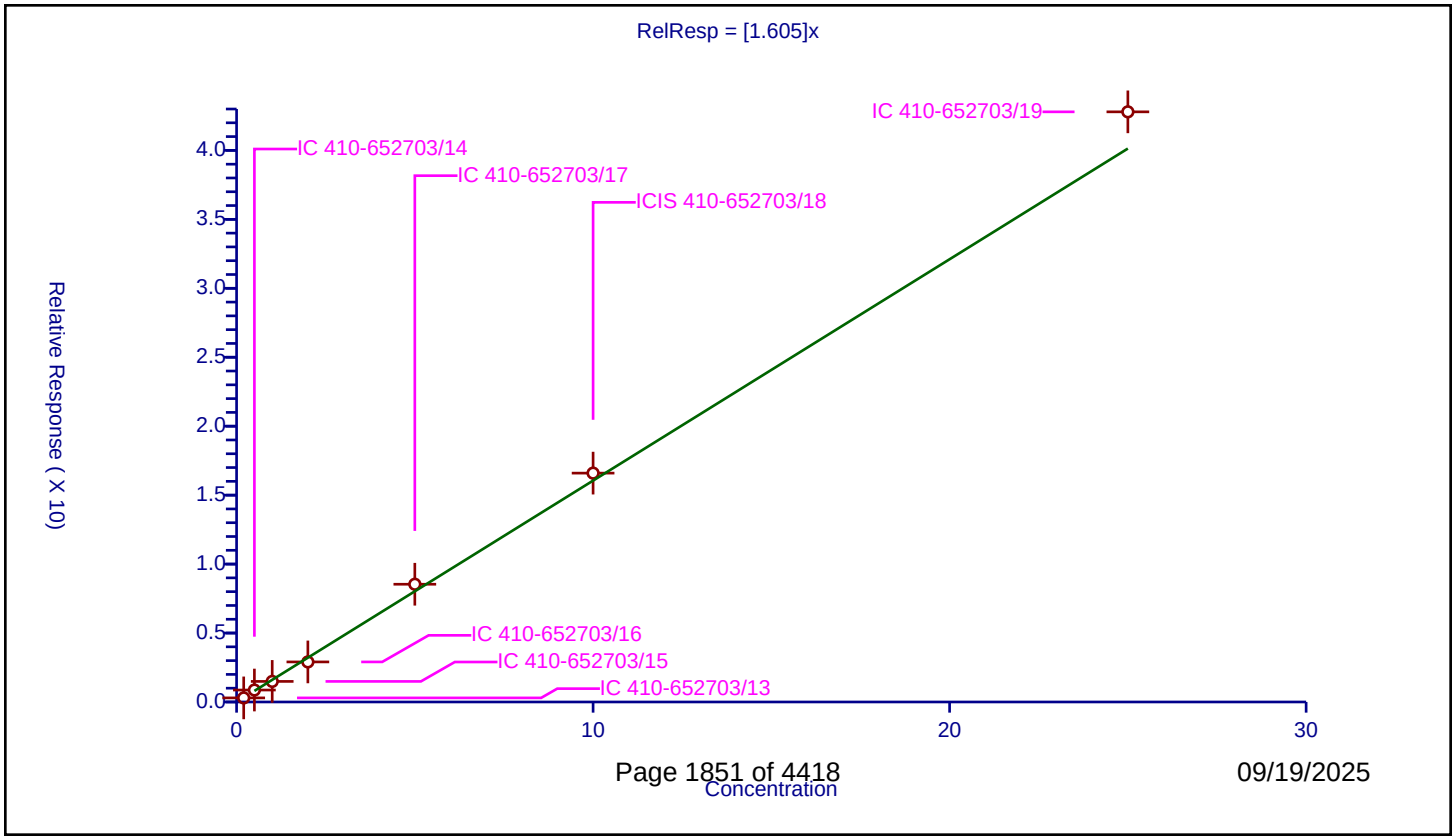
Curve Coefficients

Intercept:	0
Slope:	1.605

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.296084	10.0	918354.0	1.48042	Y
2	IC 410-652703/14	0.5	0.866775	10.0	903799.0	1.733549	Y
3	IC 410-652703/15	1.0	1.491297	10.0	939357.0	1.491297	Y
4	IC 410-652703/16	2.0	2.905096	10.0	968209.0	1.452548	Y
5	IC 410-652703/17	5.0	8.538571	10.0	982114.0	1.707714	Y
6	ICIS 410-652703/18	10.0	16.596583	10.0	997762.0	1.659658	Y
7	IC 410-652703/19	25.0	42.795604	10.0	1035762.0	1.711824	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

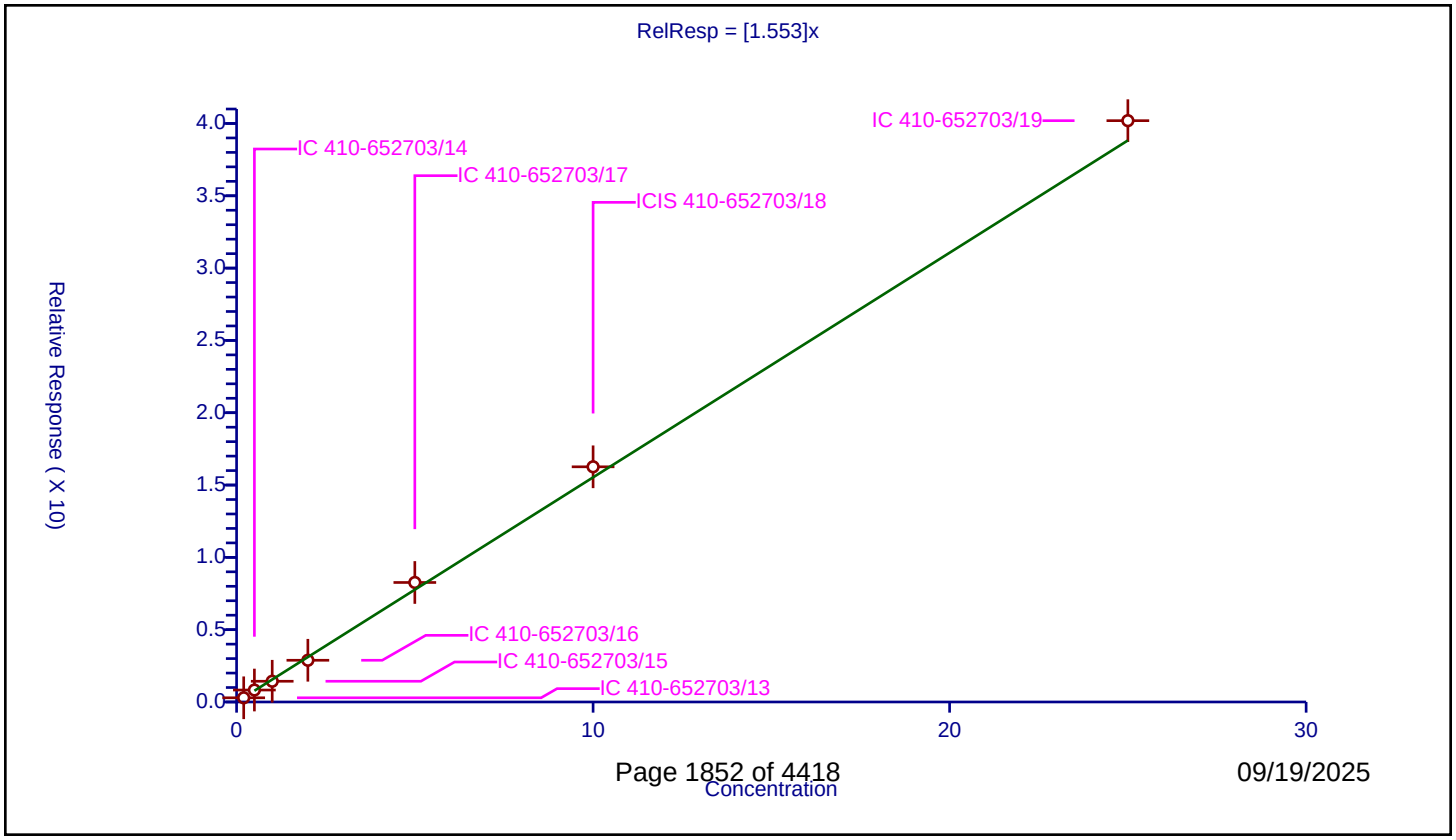
Curve Coefficients

Intercept:	0
Slope:	1.553

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.291151	10.0	918354.0	1.455757	Y
2	IC 410-652703/14	0.5	0.826732	10.0	903799.0	1.653465	Y
3	IC 410-652703/15	1.0	1.433843	10.0	939357.0	1.433843	Y
4	IC 410-652703/16	2.0	2.884253	10.0	968209.0	1.442127	Y
5	IC 410-652703/17	5.0	8.262259	10.0	982114.0	1.652452	Y
6	ICIS 410-652703/18	10.0	16.262245	10.0	997762.0	1.626224	Y
7	IC 410-652703/19	25.0	40.194446	10.0	1035762.0	1.607778	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

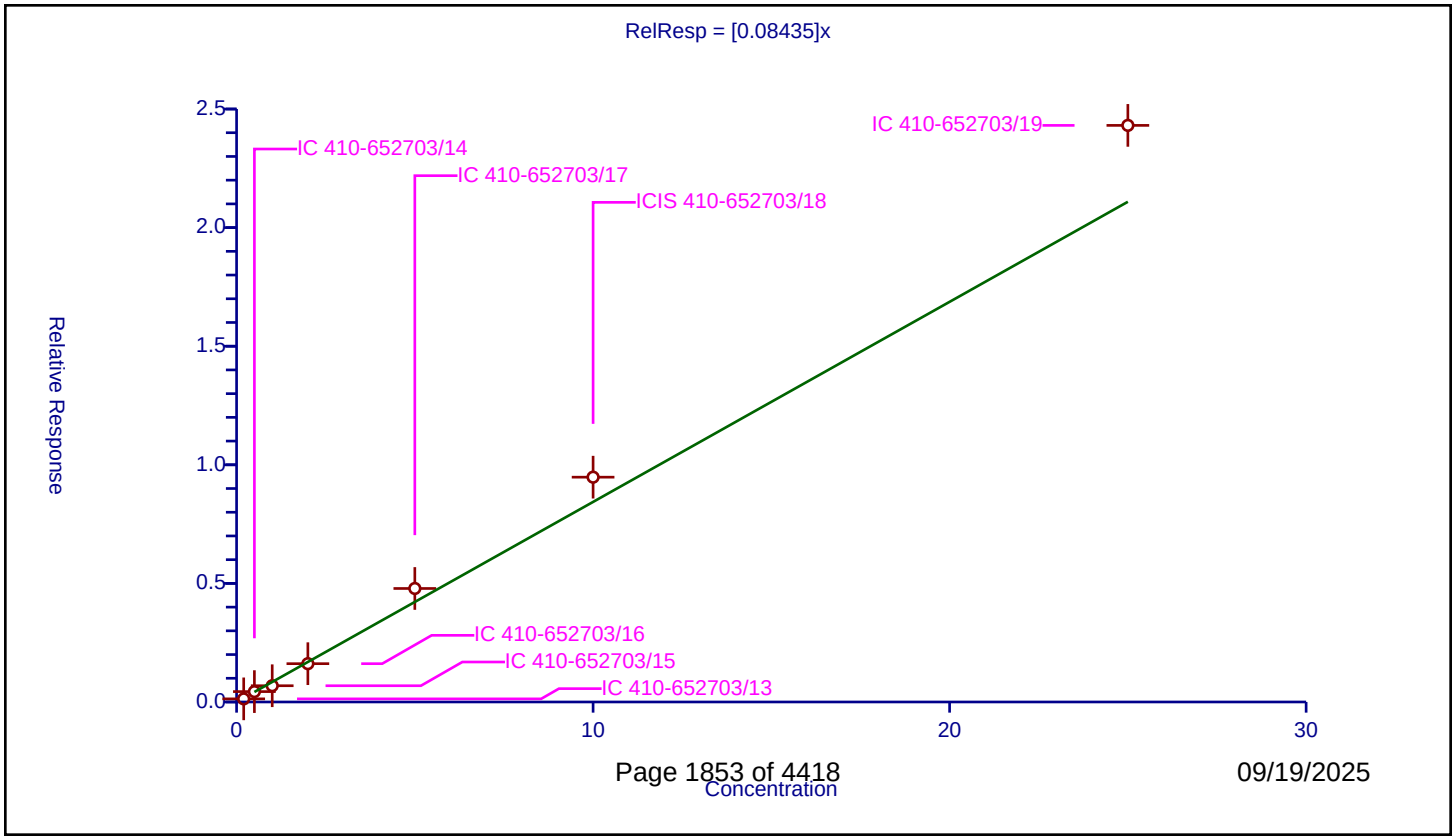
Curve Coefficients

Intercept:	0
Slope:	0.08435

Error Coefficients

Relative Standard Deviation:	15.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.013176	10.0	918354.0	0.065879	Y
2	IC 410-652703/14	0.5	0.043793	10.0	903799.0	0.087586	Y
3	IC 410-652703/15	1.0	0.068526	10.0	939357.0	0.068526	Y
4	IC 410-652703/16	2.0	0.161494	10.0	968209.0	0.080747	Y
5	IC 410-652703/17	5.0	0.47856	10.0	982114.0	0.095712	Y
6	ICIS 410-652703/18	10.0	0.947831	10.0	997762.0	0.094783	Y
7	IC 410-652703/19	25.0	2.431012	10.0	1035762.0	0.09724	Y



09/19/2025

Calibration / 1,3,5-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

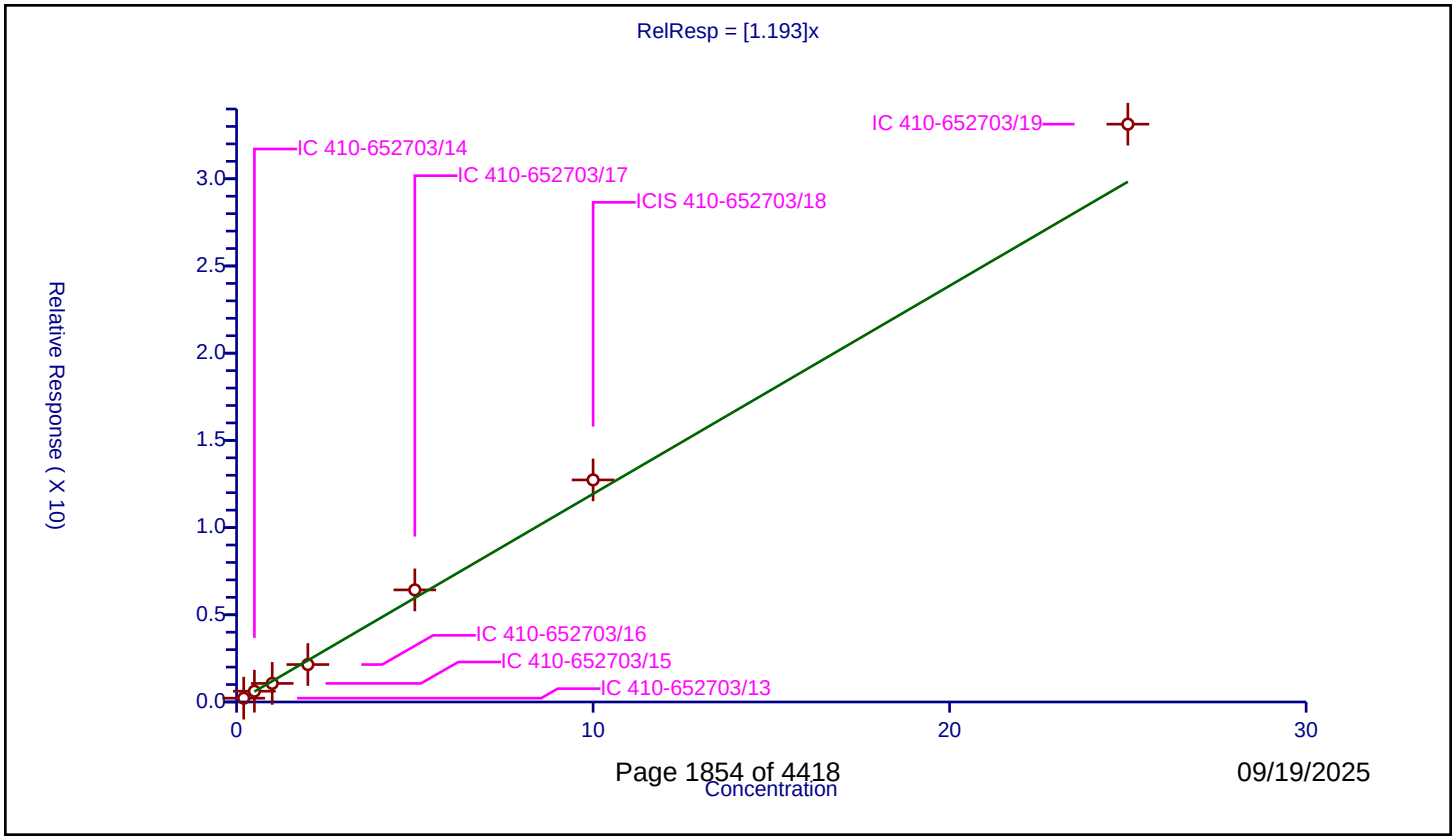
Curve Coefficients

Intercept:	0
Slope:	1.193

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.218565	10.0	918354.0	1.092825	Y
2	IC 410-652703/14	0.5	0.618854	10.0	903799.0	1.237709	Y
3	IC 410-652703/15	1.0	1.064771	10.0	939357.0	1.064771	Y
4	IC 410-652703/16	2.0	2.146747	10.0	968209.0	1.073374	Y
5	IC 410-652703/17	5.0	6.427288	10.0	982114.0	1.285458	Y
6	ICIS 410-652703/18	10.0	12.732626	10.0	997762.0	1.273263	Y
7	IC 410-652703/19	25.0	33.13125	10.0	1035762.0	1.32525	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

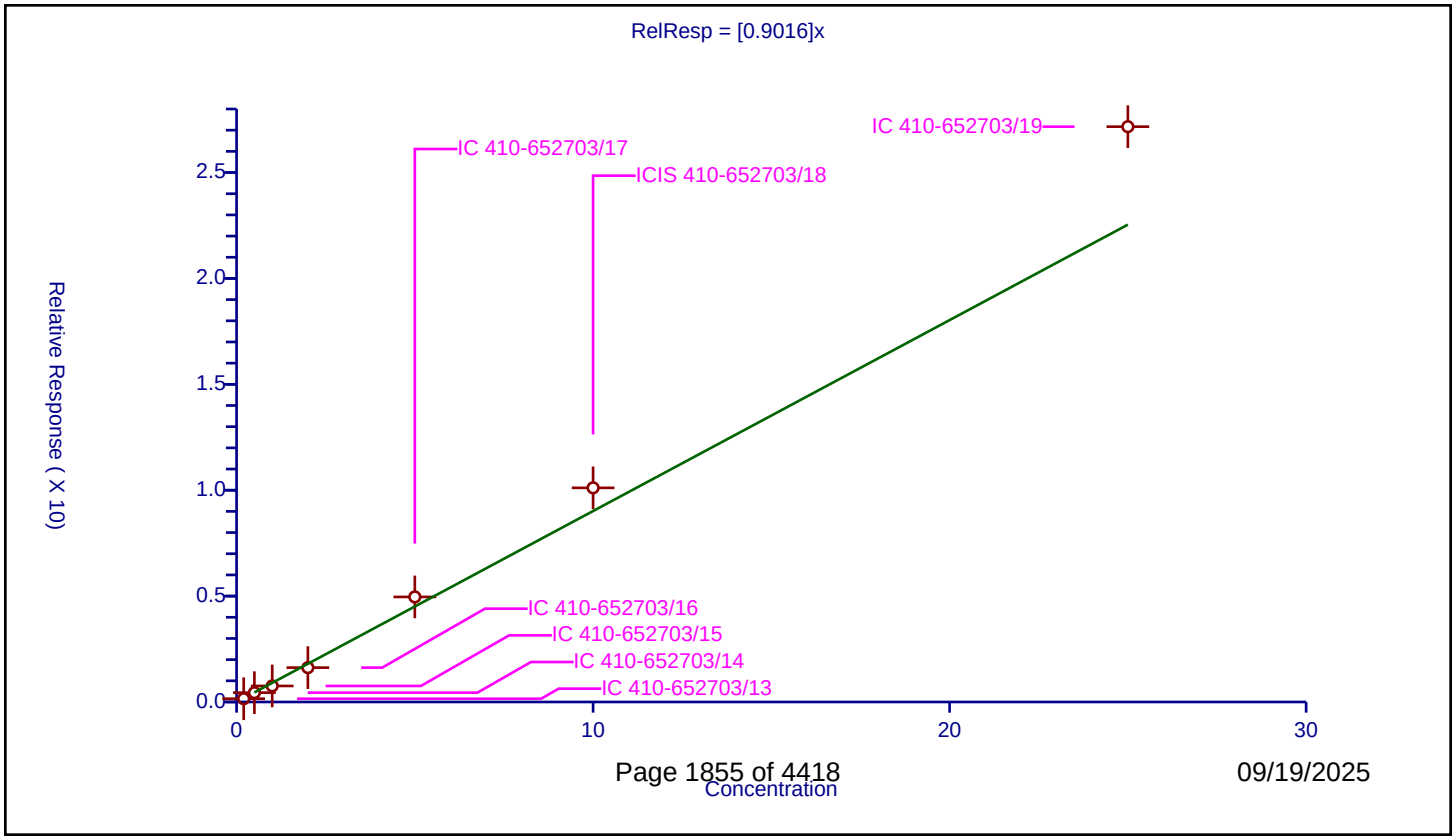
Curve Coefficients

Intercept:	0
Slope:	0.9016

Error Coefficients

Relative Standard Deviation:	14.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.154559	10.0	918354.0	0.772796	Y
2	IC 410-652703/14	0.5	0.439854	10.0	903799.0	0.879709	Y
3	IC 410-652703/15	1.0	0.757476	10.0	939357.0	0.757476	Y
4	IC 410-652703/16	2.0	1.622212	10.0	968209.0	0.811106	Y
5	IC 410-652703/17	5.0	4.960656	10.0	982114.0	0.992131	Y
6	ICIS 410-652703/18	10.0	10.112211	10.0	997762.0	1.011221	Y
7	IC 410-652703/19	25.0	27.166202	10.0	1035762.0	1.086648	Y



09/19/2025

Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

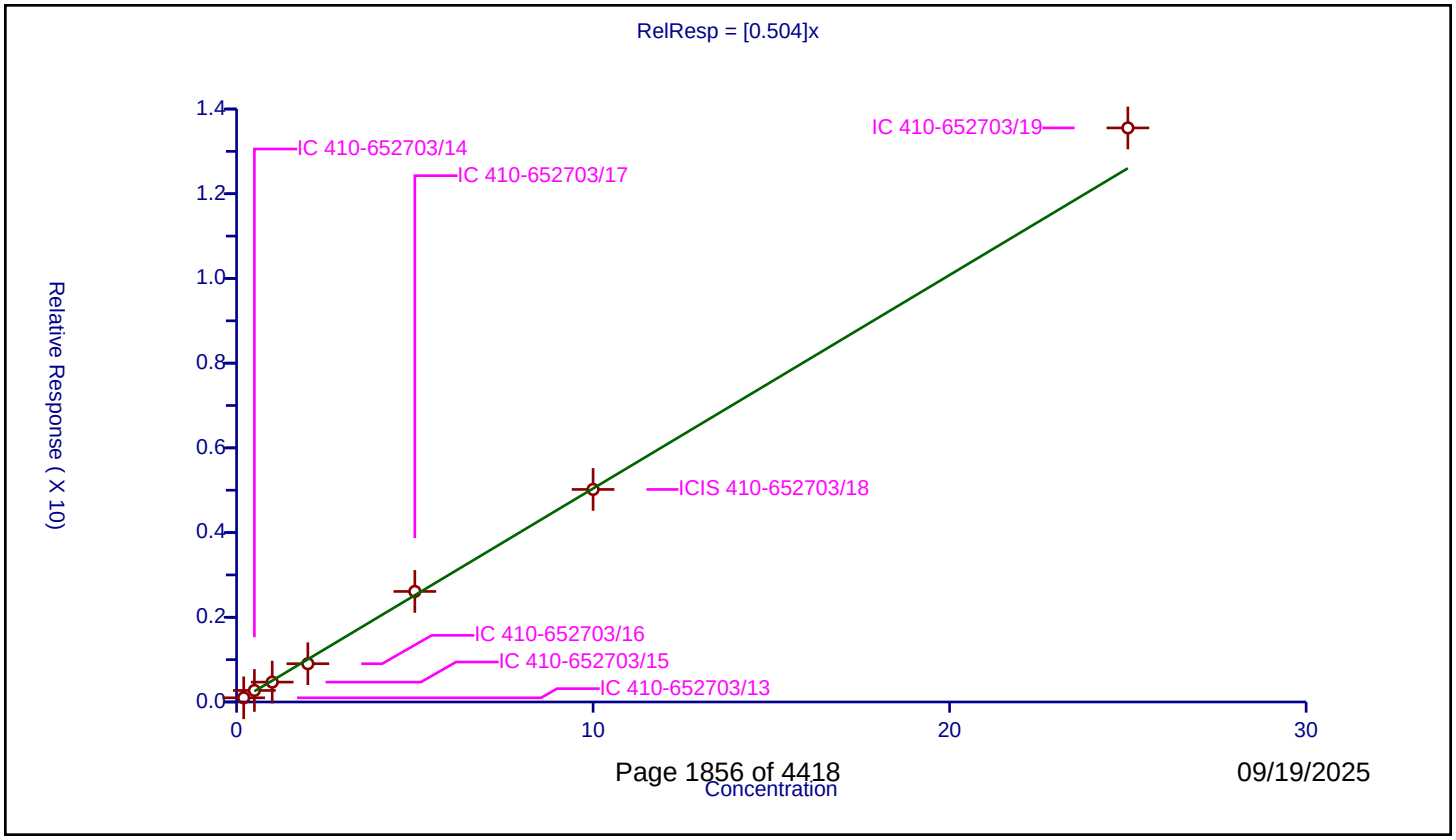
Curve Coefficients

Intercept:	0
Slope:	0.504

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.099384	10.0	918354.0	0.496922	Y
2	IC 410-652703/14	0.5	0.272096	10.0	903799.0	0.544192	Y
3	IC 410-652703/15	1.0	0.469374	10.0	939357.0	0.469374	Y
4	IC 410-652703/16	2.0	0.903658	10.0	968209.0	0.451829	Y
5	IC 410-652703/17	5.0	2.610257	10.0	982114.0	0.522051	Y
6	ICIS 410-652703/18	10.0	5.018371	10.0	997762.0	0.501837	Y
7	IC 410-652703/19	25.0	13.553596	10.0	1035762.0	0.542144	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

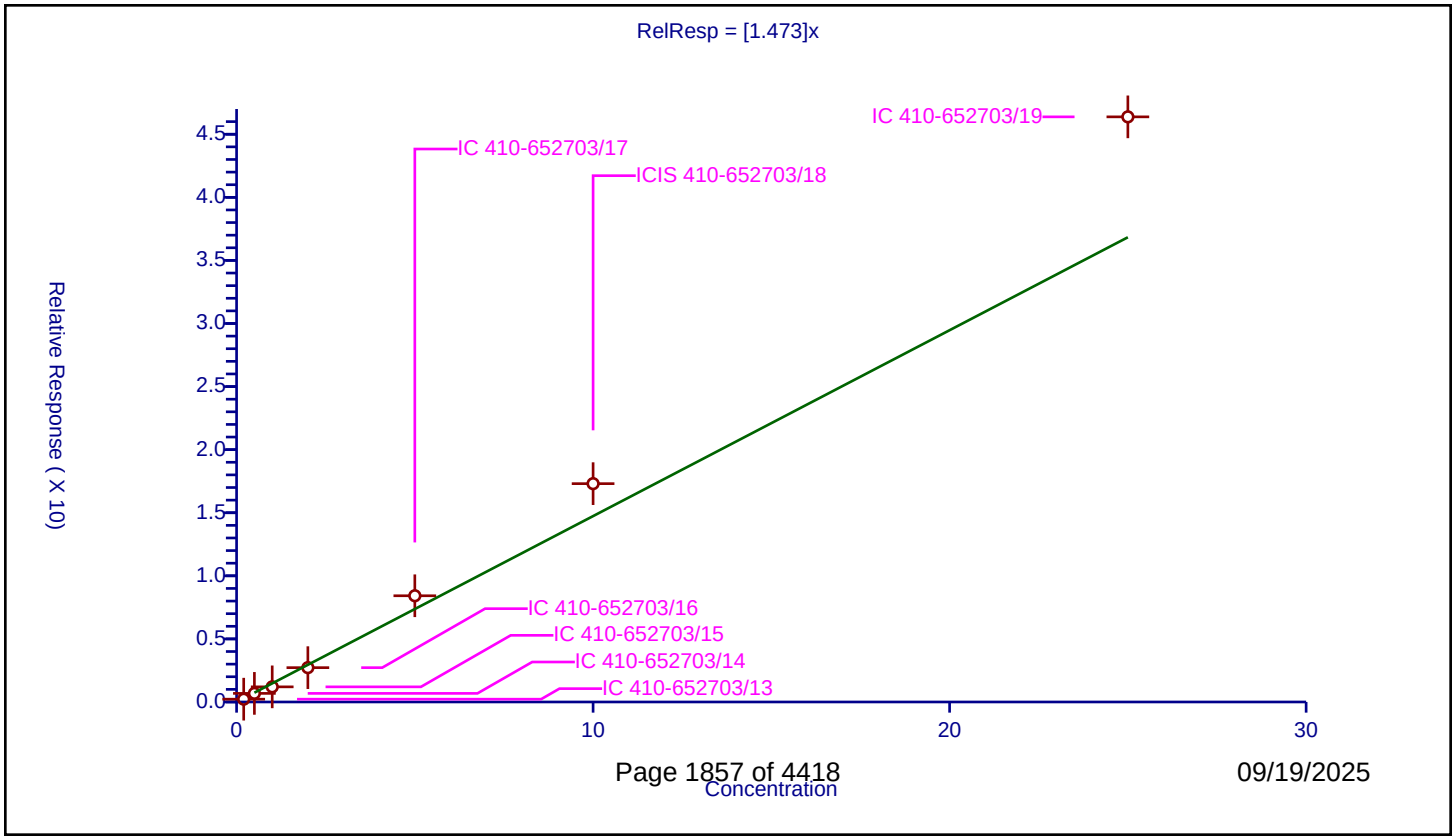
Curve Coefficients

Intercept:	0
Slope:	1.473

Error Coefficients

Relative Standard Deviation:	19.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.223955	10.0	918354.0	1.119775	Y
2	IC 410-652703/14	0.5	0.682087	10.0	903799.0	1.364175	Y
3	IC 410-652703/15	1.0	1.199288	10.0	939357.0	1.199288	Y
4	IC 410-652703/16	2.0	2.721334	10.0	968209.0	1.360667	Y
5	IC 410-652703/17	5.0	8.419929	10.0	982114.0	1.683986	Y
6	ICIS 410-652703/18	10.0	17.305379	10.0	997762.0	1.730538	Y
7	IC 410-652703/19	25.0	46.378628	10.0	1035762.0	1.855145	Y



09/19/2025

Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

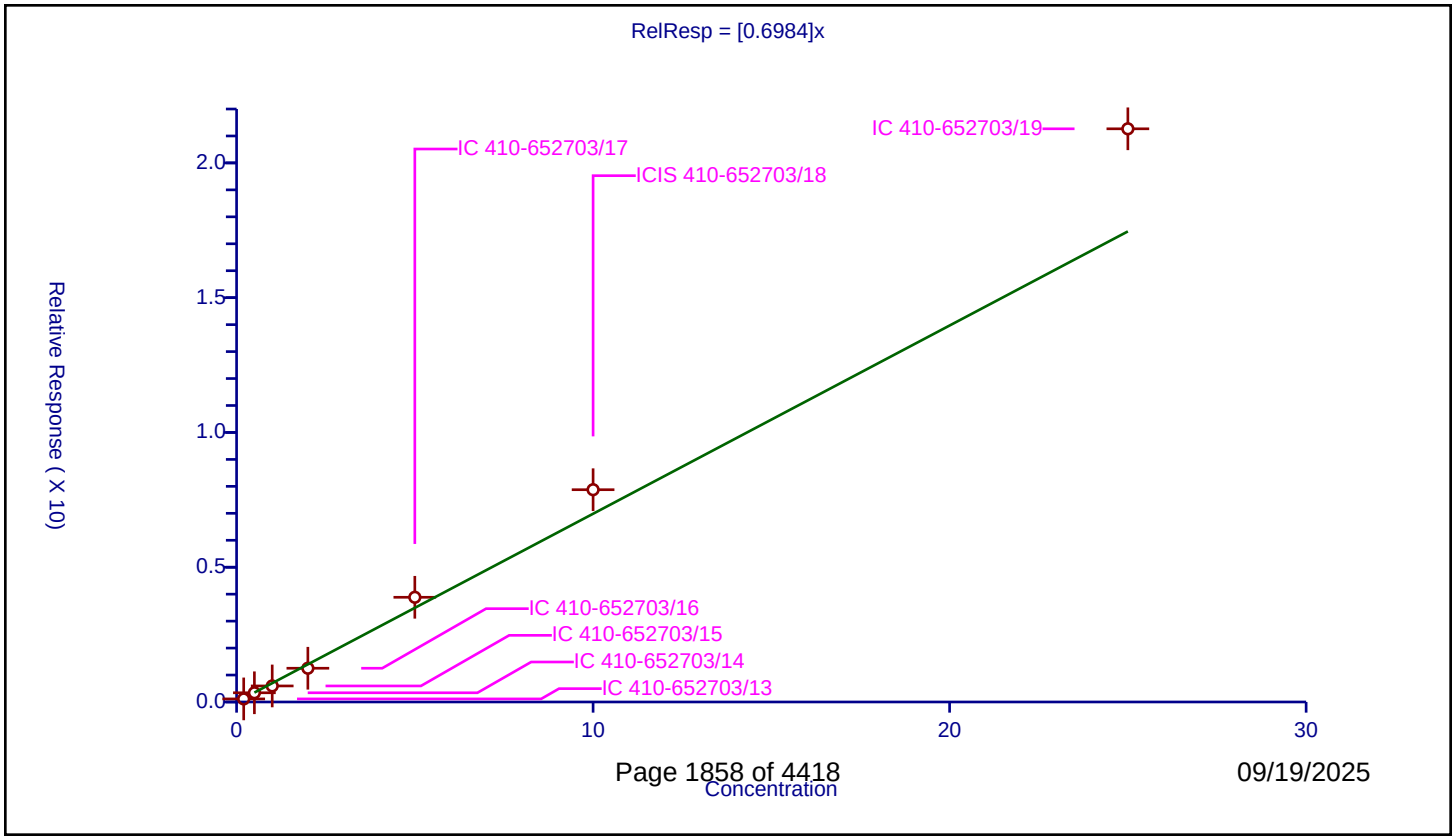
Curve Coefficients

Intercept:	0
Slope:	0.6984

Error Coefficients

Relative Standard Deviation:	15.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.113823	10.0	918354.0	0.569116	Y
2	IC 410-652703/14	0.5	0.341625	10.0	903799.0	0.683249	Y
3	IC 410-652703/15	1.0	0.594811	10.0	939357.0	0.594811	Y
4	IC 410-652703/16	2.0	1.252364	10.0	968209.0	0.626182	Y
5	IC 410-652703/17	5.0	3.884651	10.0	982114.0	0.77693	Y
6	ICIS 410-652703/18	10.0	7.876287	10.0	997762.0	0.787629	Y
7	IC 410-652703/19	25.0	21.266053	10.0	1035762.0	0.850642	Y



09/19/2025

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-652703/11 Calibration Date: 06/04/2025 20:22

Instrument ID: 10193 Calib Start Date: 06/04/2025 17:23

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/04/2025 19:37

Lab File ID: CU04X10.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	0.3963	0.4065		5.13	5.00	2.6	30.0
Dimethyl ether	Ave	0.4500	0.4474		4.97	5.00	-0.6	30.0
Acetonitrile	Ave	0.0181	0.0156		16.2	18.8	-13.7	30.0
Vinyl acetate	Ave	0.3609	0.3149		10.9	12.5	-12.8	30.0
Ethyl acetate	Ave	0.1745	0.1690		2.42	2.50	-3.2	30.0
n-Propyl acetate	Ave	0.0793	0.0812		2.56	2.50	2.4	30.0
2-Chloroethyl vinyl ether	Ave	0.1163	0.1320		5.68	5.00	13.5	30.0
cis-1,4-Dichloro-2-butene	Ave	0.0856	0.0942		13.8	12.5	10.0	30.0
Cyclohexanone	Ave	0.3290	0.3605		137	125	9.6	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X10.D
Lims ID: ICV Sm
Client ID:
Sample Type: ICV
Inject. Date: 04-Jun-2025 20:22:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-011
Misc. Info.: ICV SM
Operator ID: knk41612 Instrument ID: 10193
Sublist:

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 08:51:16 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 11:05:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.726	1.720	0.006	93	233012	5.00	5.56	
3 Chlorodifluoromethane	51	1.781	1.768	0.013	98	462667	5.00	5.13	
4 Dimethyl ether	45	1.811	1.805	0.006	100	509230	5.00	4.97	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.085	2.079	0.006	35	372547	5.00	5.19	
27 Acetonitrile	41	3.469	3.451	0.018	95	66500	18.8	16.2	
* 31 t-Butyl alcohol-d10 (IS)	65	3.677	3.671	0.006	97	182175	50.0	50.0	
38 Vinyl acetate	43	4.658	4.640	0.018	98	896009	12.5	10.9	
46 Ethyl acetate	43	5.560	5.554	0.006	99	96181	2.50	2.42	
63 Isopropyl acetate	43	6.834	6.828	0.006	98	220467	2.50	2.47	
* 65 Fluorobenzene (IS)	96	7.145	7.146	-0.001	99	2276581	10.0	10.0	
75 n-Propyl acetate	61	8.176	8.170	0.006	99	46197	2.50	2.56	
79 2-Chloroethyl vinyl ether	63	8.724	8.724	0.000	92	150276	5.00	5.68	
109 n-Butyl acetate	43	10.224	10.224	0.000	98	200347	2.50	2.56	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.816	-0.001	87	1732682	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.773	11.772	0.000	98	204063	12.5	13.8	
123 Cyclohexanone	55	11.803	11.797	0.006	92	164154	125.0	136.9	
* 139 1,4-Dichlorobenzene-d4	152	12.772	12.766	0.006	95	926446	10.0	10.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_LCS_V5ACE_00053	Amount Added:	6.25	Units: uL
MSV_LCS_CYC_00011	Amount Added:	12.50	Units: uL
MSV_LCS_LKB_00014	Amount Added:	25.00	Units: uL
MSV_LCS_2CEVE_00231	Amount Added:	12.50	Units: uL
MSV_LCS_SMFre_00089	Amount Added:	12.50	Units: uL
MSV_HP25_ISO_00013	Amount Added:	1.00	Units: uL
MSV_DME_00064	Amount Added:	0.50	Units: uL

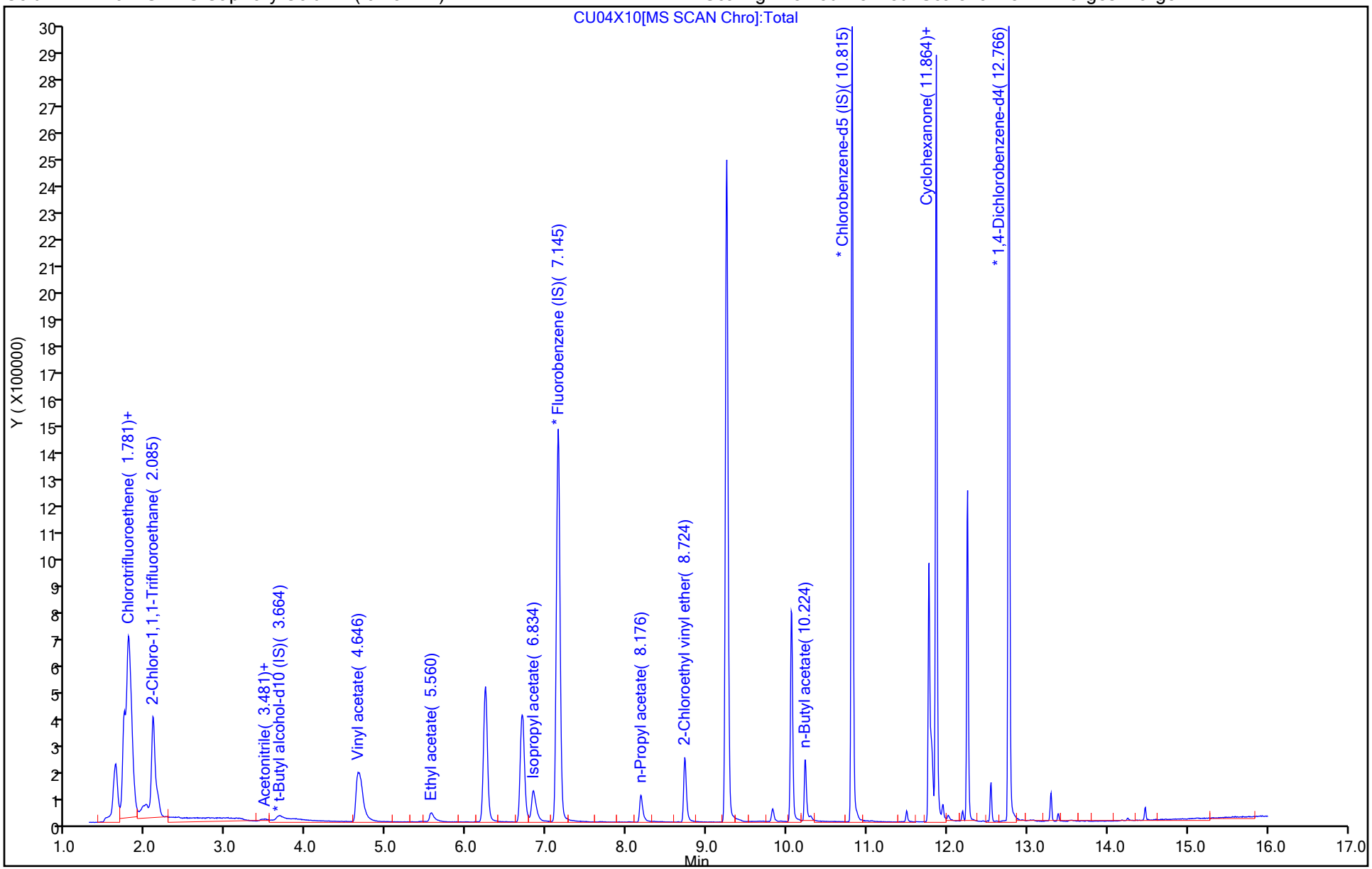
Report Date: 06-Jun-2025 08:51:44 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X10.D

Injection Date:	04-Jun-2025 20:22:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	ICV Sm			Worklist Smp#:	11
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-652703/21 Calibration Date: 06/05/2025 00:04

Instrument ID: 10193 Calib Start Date: 06/04/2025 21:06

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/04/2025 23:20

Lab File ID: CU04X20.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3256	0.2771	0.1000	4.26	5.00	-14.9	30.0
Chloromethane	Ave	0.3862	0.3526	0.1000	4.57	5.00	-8.7	30.0
1,3-Butadiene	Ave	0.4446	0.3806		4.28	5.00	-14.4	30.0
Vinyl chloride	Ave	0.3413	0.3350	0.1000	4.91	5.00	-1.8	30.0
Bromomethane	Ave	0.2182	0.2029	0.1000	4.65	5.00	-7.0	30.0
Chloroethane	Ave	0.1935	0.1927	0.1000	4.98	5.00	-0.4	30.0
Dichlorofluoromethane	Ave	0.5586	0.5462		4.89	5.00	-2.2	30.0
Trichlorofluoromethane	Ave	0.4317	0.4220	0.1000	4.89	5.00	-2.2	30.0
Diethyl ether	Ave	0.2057	0.2188		5.28	4.96	6.4	30.0
Freon 123a	Ave	0.3018	0.3046		5.05	5.00	0.9	30.0
Acrolein	Ave	1.812	1.864		37.6	36.6	2.8	30.0
1,1-Dichloroethene	Ave	0.2128	0.2369	0.1000	5.57	5.00	11.3	30.0
Acetone	Ave	2.365	2.133	0.1000	56.4	62.5	-9.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2211	0.2190	0.1000	4.95	5.00	-0.9	30.0
Methyl iodide	Ave	0.4330	0.4202		4.85	5.00	-3.0	30.0
Ethyl bromide	Ave	0.2041	0.2045		5.02	5.01	0.2	30.0
Carbon disulfide	Ave	0.7842	0.7824	0.1000	4.99	5.00	-0.2	30.0
Methyl acetate	Ave	6.370	6.576	0.1000	5.16	5.00	3.2	30.0
Allyl chloride	Ave	0.4006	0.3968		4.95	5.00	-1.0	30.0
Methylene Chloride	Ave	0.2569	0.2729	0.1000	5.31	5.00	6.2	30.0
t-Butyl alcohol	Ave	0.7429	0.7175		48.3	50.0	-3.4	30.0
Acrylonitrile	Ave	3.469	3.229		23.3	25.0	-6.9	30.0
Methyl tertiary butyl ether	Ave	0.7278	0.7117	0.1000	4.89	5.00	-2.2	30.0
trans-1,2-Dichloroethene	Ave	0.2625	0.2799	0.1000	5.33	5.00	6.6	30.0
n-Hexane	Ave	0.3574	0.3474		4.86	5.00	-2.8	30.0
1,1-Dichloroethane	Ave	0.4780	0.5084	0.2000	5.32	5.00	6.4	30.0
di-Isopropyl ether	Ave	0.8840	0.8763		4.96	5.00	-0.9	30.0
Chloroprene	Ave	0.4217	0.4211		4.99	5.00	-0.2	30.0
Ethyl t-butyl ether	Ave	0.8703	0.8463		4.86	5.00	-2.8	30.0
2-Butanone	Ave	4.540	4.443	0.1000	61.2	62.5	-2.1	30.0
cis-1,2-Dichloroethene	Ave	0.3024	0.3098	0.1000	5.12	5.00	2.4	30.0
2,2-Dichloropropane	Ave	0.3754	0.3550		4.73	5.00	-5.4	30.0
Propionitrile	Ave	1.225	1.317		40.3	37.5	7.5	30.0
Methacrylonitrile	Ave	4.399	4.651		39.7	37.5	5.7	30.0
Bromochloromethane	Ave	0.1350	0.1352		5.01	5.00	0.1	30.0
Tetrahydrofuran	Ave	1.291	1.293		25.0	25.0	0.1	30.0
Chloroform	Ave	0.4853	0.5023	0.2000	5.18	5.00	3.5	30.0
1,1,1-Trichloroethane	Ave	0.4251	0.4455	0.1000	5.24	5.00	4.8	30.0
Cyclohexane	Ave	0.4519	0.4543	0.1000	5.03	5.00	0.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-652703/21 Calibration Date: 06/05/2025 00:04

Instrument ID: 10193 Calib Start Date: 06/04/2025 21:06

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/04/2025 23:20

Lab File ID: CU04X20.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.3622	0.3813	0.1000	5.26	5.00	5.3	30.0
1,1-Dichloropropene	Ave	0.3815	0.3825		5.01	5.00	0.3	30.0
Isobutyl alcohol	Ave	0.3027	0.3064		127	125	1.2	30.0
Benzene	Ave	1.137	1.178	0.5000	5.18	5.00	3.5	30.0
1,2-Dichloroethane	Ave	0.3111	0.3181	0.1000	5.11	5.00	2.3	30.0
t-Amyl methyl ether	Ave	0.7782	0.7815		5.02	5.00	0.4	30.0
n-Heptane	Ave	0.3521	0.3617		5.14	5.00	2.7	30.0
n-Butanol	Ave	0.2850	0.2966		260	250	4.1	30.0
Trichloroethene	Ave	0.3010	0.3069	0.2000	5.10	5.00	2.0	30.0
Methylcyclohexane	Ave	0.4837	0.4782	0.1000	4.94	5.00	-1.1	30.0
1,2-Dichloropropane	Ave	0.2911	0.2953	0.1000	5.07	5.00	1.5	30.0
1,4-Dioxane	Ave	0.0704	0.0759	0.0050	135	125	7.9	30.0
Dibromomethane	Ave	0.1439	0.1450		5.04	5.00	0.7	30.0
Methyl methacrylate	Ave	9.058	8.748		4.83	5.00	-3.4	30.0
Bromodichloromethane	Ave	0.3547	0.3646	0.2000	5.14	5.00	2.8	30.0
2-Nitropropane	Ave	2.925	2.636		4.51	5.00	-9.9	30.0
1-Bromo-2-chloroethane	Ave	0.2850	0.3063		5.37	5.00	7.5	30.0
cis-1,3-Dichloropropene	Ave	0.4367	0.4217	0.2000	4.83	5.00	-3.4	30.0
4-Methyl-2-pentanone	Ave	12.04	11.73	0.1000	60.9	62.5	-2.6	30.0
Toluene	Ave	0.9711	0.999	0.4000	5.15	5.00	2.9	30.0
trans-1,3-Dichloropropene	Ave	0.4912	0.4944	0.1000	5.03	5.00	0.7	30.0
Ethyl methacrylate	Ave	0.4256	0.4205		4.94	5.00	-1.2	30.0
1,1,2-Trichloroethane	Ave	0.2786	0.2810	0.1000	5.04	5.00	0.9	30.0
Tetrachloroethene	Ave	0.4508	0.4630	0.2000	5.14	5.00	2.7	30.0
1,3-Dichloropropane	Ave	0.4721	0.4762		5.04	5.00	0.9	30.0
2-Hexanone	Ave	8.616	8.765	0.1000	63.6	62.5	1.7	30.0
Dibromochloromethane	Ave	0.3400	0.3491		5.13	5.00	2.7	30.0
1,2-Dibromoethane	Ave	0.2699	0.2731	0.1000	5.06	5.00	1.2	30.0
1-Chlorohexane	Ave	0.5450	0.5384		4.94	5.00	-1.2	30.0
Chlorobenzene	Ave	1.111	1.132	0.5000	5.09	5.00	1.9	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3783	0.3947		5.22	5.00	4.3	30.0
Ethylbenzene	Ave	1.932	1.969	0.1000	5.10	5.00	1.9	30.0
m&p-Xylene	Ave	0.7503	0.7749	0.1000	10.3	10.0	3.3	30.0
o-Xylene	Ave	0.7400	0.7625	0.3000	5.15	5.00	3.0	30.0
Styrene	Ave	1.231	1.294	0.3000	5.26	5.00	5.1	30.0
Bromoform	Ave	0.1980	0.2096	0.1000	5.29	5.00	5.9	30.0
Isopropylbenzene	Ave	1.705	2.002	0.1000	5.87	5.00	17.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6317	0.6363	0.3000	5.04	5.00	0.7	30.0
Bromobenzene	Ave	0.8876	0.9062		5.11	5.00	2.1	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1513	0.1600		26.4	25.0	5.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-652703/21 Calibration Date: 06/05/2025 00:04

Instrument ID: 10193 Calib Start Date: 06/04/2025 21:06

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/04/2025 23:20

Lab File ID: CU04X20.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichloropropane	Ave	0.1732	0.1770		5.11	5.00	2.2	30.0
N-Propylbenzene	Ave	4.125	4.267		5.17	5.00	3.4	30.0
2-Chlorotoluene	Ave	0.8481	0.8577		5.06	5.00	1.1	30.0
1,3,5-Trimethylbenzene	Ave	2.985	3.133		5.25	5.00	5.0	30.0
4-Chlorotoluene	Ave	0.8795	0.8988		5.11	5.00	2.2	30.0
tert-Butylbenzene	Ave	0.6849	0.7013		5.12	5.00	2.4	30.0
Pentachloroethane	Ave	0.5264	0.5376		5.11	5.00	2.1	30.0
1,2,4-Trimethylbenzene	Ave	3.067	3.164		5.16	5.00	3.2	30.0
sec-Butylbenzene	Ave	3.811	4.006		5.26	5.00	5.1	30.0
1,3-Dichlorobenzene	Ave	1.702	1.774	0.6000	5.21	5.00	4.2	30.0
p-Isopropyltoluene	Ave	3.330	3.427		5.15	5.00	2.9	30.0
1,4-Dichlorobenzene	Ave	1.777	1.794	0.5000	5.05	5.00	0.9	30.0
1,2,3-Trimethylbenzene	Ave	1.386	1.406		5.07	5.00	1.4	30.0
Benzyl chloride	Ave	0.2218	0.2080		4.69	5.00	-6.2	30.0
n-Butylbenzene	Ave	1.605	1.691		5.27	5.00	5.4	30.0
1,2-Dichlorobenzene	Ave	1.553	1.606	0.4000	5.17	5.00	3.4	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0844	0.0847	0.0500	5.02	5.00	0.4	30.0
1,3,5-Trichlorobenzene	Ave	1.193	1.252		5.25	5.00	4.9	30.0
1,2,4-Trichlorobenzene	Ave	0.9016	0.9943	0.2000	5.51	5.00	10.3	30.0
Hexachlorobutadiene	Ave	0.5040	0.5369		5.33	5.00	6.5	30.0
Naphthalene	Ave	1.473	1.627		5.52	5.00	10.5	30.0
1,2,3-Trichlorobenzene	Ave	0.6984	0.7554		5.41	5.00	8.2	30.0
2-Methylnaphthalene	Qua		0.6491		5.37	5.00	7.4	30.0
Dibromofluoromethane (Surr)	Ave	0.2360	0.2367		10.0	10.0	0.3	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0487	0.0508		10.4	10.0	4.4	30.0
Toluene-d8 (Surr)	Ave	1.313	1.308		9.96	10.0	-0.4	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4960	0.5032		10.2	10.0	1.5	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X20.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 05-Jun-2025 00:04:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-021
Misc. Info.: ICV LG
Operator ID: knk41612 Instrument ID: 10193
Sublist:

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:19:08 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 10:36:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.756	1.762	-0.006	100	325547	5.00	4.25	
5 Chloromethane	50	1.945	1.945	0.000	100	414344	5.00	4.57	
7 Butadiene	39	2.018	2.025	-0.007	92	447271	5.00	4.28	
6 Vinyl chloride	62	2.043	2.043	0.000	99	393649	5.00	4.91	
9 Bromomethane	94	2.354	2.348	0.006	90	238377	5.00	4.65	M
10 Chloroethane	64	2.372	2.372	0.000	100	226474	5.00	4.98	
11 Dichlorofluoromethane	67	2.634	2.634	0.000	97	641781	5.00	4.89	M
13 Pentane	43	2.640	2.646	-0.006	96	428656	5.00	4.86	
12 Trichlorofluoromethane	101	2.677	2.677	0.000	98	495848	5.00	4.89	M
14 Ethyl ether	59	2.823	2.823	0.000	93	255297	4.96	5.28	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.921	2.927	-0.006	93	357887	5.00	5.05	
17 Acrolein	56	2.976	2.970	0.006	99	263644	36.6	37.6	M
18 1,1-Dichloroethene	96	3.098	3.098	0.000	98	278400	5.00	5.57	
20 Acetone	43	3.116	3.116	0.000	98	515545	62.5	56.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.140	3.140	0.000	95	257350	5.00	4.95	
24 Isopropyl alcohol	45	3.256	3.250	0.006	29	61683	37.5	35.5	Ma
22 Iodomethane	142	3.262	3.262	0.000	98	493762	5.00	4.85	
23 Ethyl bromide	108	3.280	3.280	0.000	99	240675	5.01	5.02	
25 Carbon disulfide	76	3.341	3.347	-0.006	99	919398	5.00	4.99	M
26 Methyl acetate	43	3.476	3.469	0.007	98	127149	5.00	5.16	M
29 3-Chloro-1-propene	41	3.500	3.500	0.000	86	466199	5.00	4.95	a
30 Methylene Chloride	84	3.658	3.658	0.000	95	320616	5.00	5.31	
* 31 t-Butyl alcohol-d10 (IS)	65	3.671	3.671	0.000	38	193355	50.0	50.0	M
32 2-Methyl-2-propanol	59	3.768	3.774	-0.006	98	138741	50.0	48.3	
33 Acrylonitrile	53	3.957	3.957	0.000	99	312150	25.0	23.3	
34 Methyl tert-butyl ether	73	4.012	4.018	-0.006	88	836287	5.00	4.89	
35 trans-1,2-Dichloroethene	96	4.012	4.018	-0.006	99	328850	5.00	5.33	
36 Hexane	57	4.414	4.414	0.000	94	408205	5.00	4.86	
37 1,1-Dichloroethane	63	4.658	4.658	0.000	96	597437	5.00	5.32	
39 Isopropyl ether	45	4.725	4.725	0.000	97	1029641	5.00	4.96	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.768	4.768	0.000	93	494753	5.00	4.99	
41 Tert-butyl ethyl ether	59	5.274	5.274	0.000	98	994414	5.00	4.86	
42 2-Butanone (MEK)	43	5.475	5.475	0.000	99	1073739	62.5	61.2	
43 cis-1,2-Dichloroethene	96	5.512	5.512	0.000	84	364007	5.00	5.12	
44 2,2-Dichloropropane	77	5.524	5.530	-0.006	95	417128	5.00	4.73	
45 Propionitrile	54	5.579	5.573	0.006	98	191013	37.5	40.3	
47 Methacrylonitrile	67	5.792	5.798	-0.006	94	674460	37.5	39.7	
48 Chlorobromomethane	128	5.841	5.853	-0.012	93	158812	5.00	5.01	
49 Tetrahydrofuran	71	5.853	5.853	0.000	85	124993	25.0	25.0	
50 Chloroform	83	6.012	6.012	0.000	95	590274	5.00	5.18	
$ 54 Dibromofluoromethane (Surr)	113	6.237	6.231	0.006	93	556274	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.231	6.231	0.000	84	523448	5.00	5.24	
55 Cyclohexane	56	6.323	6.329	-0.006	92	533846	5.00	5.03	
56 Carbon tetrachloride	117	6.451	6.444	0.007	99	448023	5.00	5.26	
57 1,1-Dichloropropene	75	6.457	6.457	0.000	97	449438	5.00	5.01	
58 Isobutyl alcohol	41	6.658	6.652	0.006	90	148120	125.0	126.5	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.694	6.694	0.000	98	119499	10.0	10.4	
60 Benzene	78	6.719	6.725	-0.006	97	1383746	5.00	5.18	
61 1,2-Dichloroethane	62	6.798	6.798	0.000	97	373750	5.00	5.11	
64 Tert-amyl methyl ether	73	6.926	6.932	-0.006	98	918336	5.00	5.02	
* 65 Fluorobenzene (IS)	96	7.146	7.146	0.000	98	2350088	10.0	10.0	
66 n-Heptane	43	7.164	7.164	0.000	94	425059	5.00	5.14	
67 n-Butanol	56	7.572	7.566	0.006	90	286767	250.0	260.2	
68 Trichloroethene	95	7.633	7.633	0.000	99	360658	5.00	5.10	
69 Methylcyclohexane	83	7.938	7.938	0.000	92	561917	5.00	4.94	
70 1,2-Dichloropropane	63	7.969	7.975	-0.006	96	346994	5.00	5.07	
71 2-ethoxy-2-methyl butane	87	7.999	8.005	-0.006	92	533008	5.00	4.97	
74 1,4-Dioxane	88	8.078	8.072	0.006	53	36688	125.0	134.8	M
73 Methyl methacrylate	69	8.084	8.084	0.000	92	169138	5.00	4.83	
72 Dibromomethane	93	8.084	8.084	0.000	86	170349	5.00	5.04	
76 Dichlorobromomethane	83	8.334	8.334	0.000	99	428365	5.00	5.14	
77 2-Nitropropane	41	8.627	8.621	0.006	98	50971	5.00	4.51	
78 1-Bromo-2-chloroethane	63	8.731	8.731	0.000	99	359913	5.00	5.37	
80 cis-1,3-Dichloropropene	75	8.907	8.907	0.000	95	495467	5.00	4.83	
82 4-Methyl-2-pentanone (MIBK)	43	9.115	9.115	0.000	97	2835416	62.5	60.9	
$ 83 Toluene-d8 (Surr)	98	9.249	9.249	0.000	94	2324271	10.0	9.96	
84 Toluene	92	9.328	9.328	0.000	98	887887	5.00	5.14	
85 trans-1,3-Dichloropropene	75	9.627	9.627	0.000	95	439308	5.00	5.03	
86 Ethyl methacrylate	69	9.706	9.706	0.000	89	373664	5.00	4.94	
87 1,1,2-Trichloroethane	97	9.840	9.846	-0.006	91	249700	5.00	5.04	
88 Tetrachloroethene	166	9.925	9.925	0.000	98	411387	5.00	5.14	
89 1,3-Dichloropropane	76	10.017	10.017	0.000	92	423118	5.00	5.04	
106 2-Hexanone	43	10.090	10.090	0.000	97	2118342	62.5	63.6	
108 Chlorodibromomethane	129	10.242	10.242	0.000	90	310186	5.00	5.13	
110 Ethylene Dibromide	107	10.352	10.352	0.000	98	242696	5.00	5.06	
* 111 Chlorobenzene-d5 (IS)	117	10.816	10.816	0.000	86	1777198	10.0	10.0	
112 1-Chlorohexane	91	10.834	10.834	0.000	97	478441	5.00	4.94	
113 Chlorobenzene	112	10.840	10.840	0.000	95	1006140	5.00	5.09	
114 1,1,1,2-Tetrachloroethane	131	10.931	10.931	0.000	96	350737	5.00	5.22	
115 Ethylbenzene	91	10.937	10.937	0.000	98	1749270	5.00	5.10	
116 m-Xylene & p-Xylene	106	11.059	11.059	0.000	97	1377231	10.0	10.3	
118 o-Xylene	106	11.401	11.401	0.000	97	677549	5.00	5.15	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
119 Styrene	104	11.419	11.419	0.000	95	1150090	5.00	5.26	
120 Bromoform	173	11.578	11.578	0.000	97	186231	5.00	5.29	
121 Isopropylbenzene	105	11.718	11.718	0.000	96	1778958	5.00	5.87	
$ 124 4-Bromofluorobenzene (Surr)	95	11.864	11.864	0.000	91	894314	10.0	10.1	
126 1,1,2,2-Tetrachloroethane	83	11.980	11.980	0.000	93	310350	5.00	5.04	
125 Bromobenzene	156	11.980	11.980	0.000	92	442000	5.00	5.10	
127 trans-1,4-Dichloro-2-butene	53	12.004	12.004	0.000	94	390118	25.0	26.4	
128 1,2,3-Trichloropropane	110	12.023	12.023	0.000	84	86332	5.00	5.11	
129 N-Propylbenzene	91	12.059	12.059	0.000	99	2081530	5.00	5.17	
130 2-Chlorotoluene	126	12.132	12.132	0.000	96	418336	5.00	5.06	
131 1,3,5-Trimethylbenzene	105	12.199	12.199	0.000	95	1528349	5.00	5.25	
132 4-Chlorotoluene	126	12.230	12.230	0.000	98	438404	5.00	5.11	
133 tert-Butylbenzene	134	12.449	12.449	0.000	93	342058	5.00	5.12	
134 Pentachloroethane	167	12.480	12.474	0.006	93	262217	5.00	5.11	
135 1,2,4-Trimethylbenzene	105	12.492	12.492	0.000	98	1543400	5.00	5.16	
136 sec-Butylbenzene	105	12.614	12.614	0.000	94	1954055	5.00	5.26	
137 1,3-Dichlorobenzene	146	12.712	12.712	0.000	98	865337	5.00	5.21	
138 4-Isopropyltoluene	119	12.730	12.730	0.000	97	1671785	5.00	5.15	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.766	0.000	96	975535	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.785	12.785	0.000	96	874821	5.00	5.05	
141 1,2,3-Trimethylbenzene	120	12.803	12.803	0.000	99	685778	5.00	5.07	
142 Benzyl chloride	126	12.870	12.870	0.000	99	101455	5.00	4.69	
145 p-Diethylbenzene	119	13.010	13.004	0.006	93	1035023	5.00	5.26	
143 n-Butylbenzene	92	13.029	13.029	0.001	98	825055	5.00	5.27	
144 1,2-Dichlorobenzene	146	13.053	13.053	0.000	99	783495	5.00	5.17	
148 1,2-Dibromo-3-Chloropropane	155	13.608	13.608	0.000	95	41298	5.00	5.02	
149 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	98	610672	5.00	5.25	
150 1,2,4-Trichlorobenzene	180	14.169	14.169	0.000	94	484965	5.00	5.51	
151 Hexachlorobutadiene	225	14.254	14.254	0.000	97	261903	5.00	5.33	
152 Naphthalene	128	14.351	14.345	0.006	97	793831	5.00	5.52	
153 1,2,3-Trichlorobenzene	180	14.492	14.492	0.000	95	368442	5.00	5.41	
154 2-Methylnaphthalene	142	15.101	15.101	0.000	92	316603	5.00	5.37	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LCS_VOC#1_00222	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00263	Amount Added: 12.50	Units: uL	
MSV_LCS_EE_00011	Amount Added: 12.50	Units: uL	
LCS_ETBR_00010	Amount Added: 12.50	Units: uL	
MSV_LCS_ACROL_00229	Amount Added: 12.50	Units: uL	
MSV_LCS_Penta_00056	Amount Added: 12.50	Units: uL	
MSV_HP25_ISSS_00114	Amount Added: 1.00	Units: uL	Run Reagent

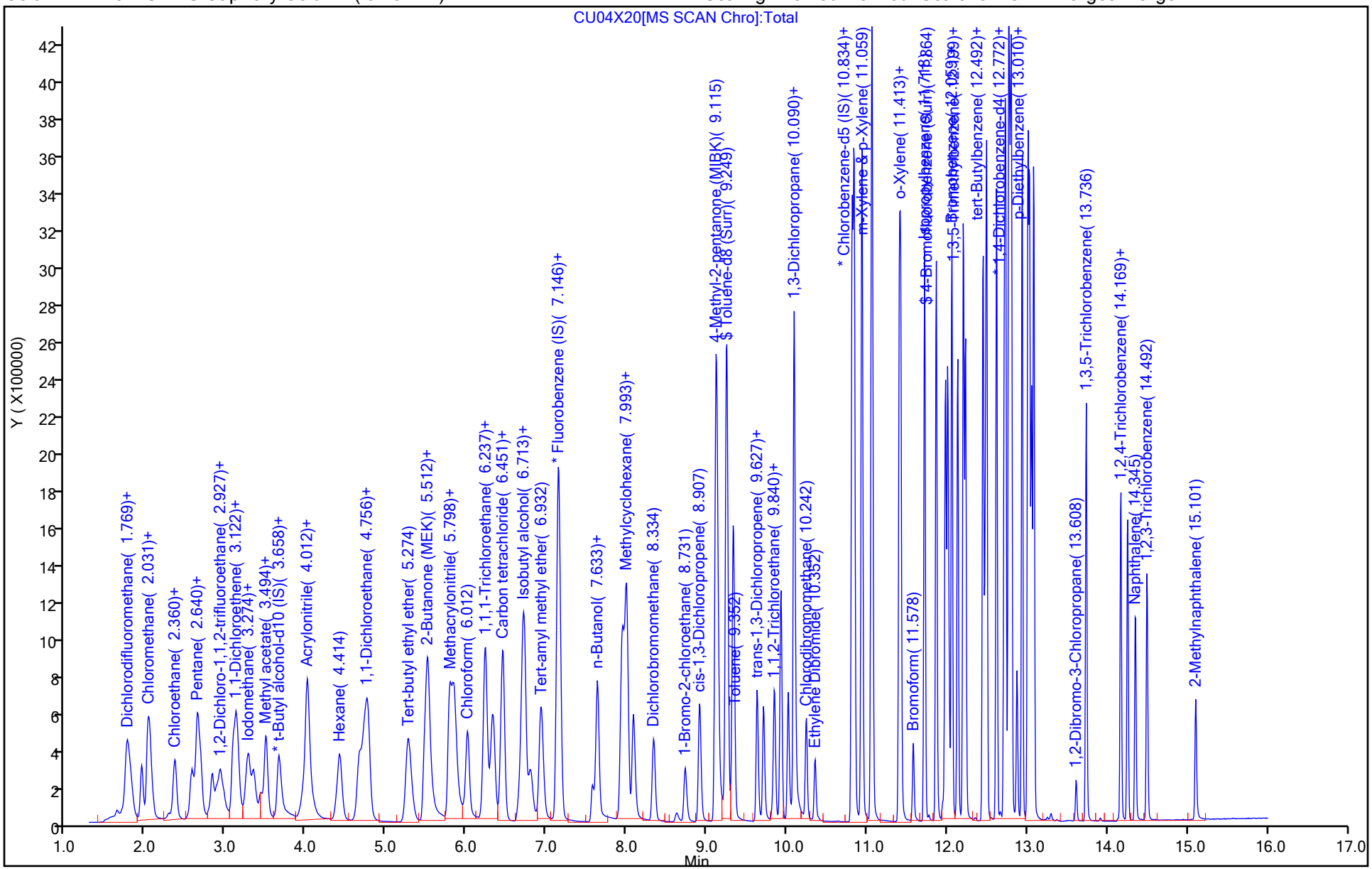
Report Date: 06-Jun-2025 09:19:52 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X20.D

Injection Date:	05-Jun-2025 00:04:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	ICV			Worklist Smp#:	21
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

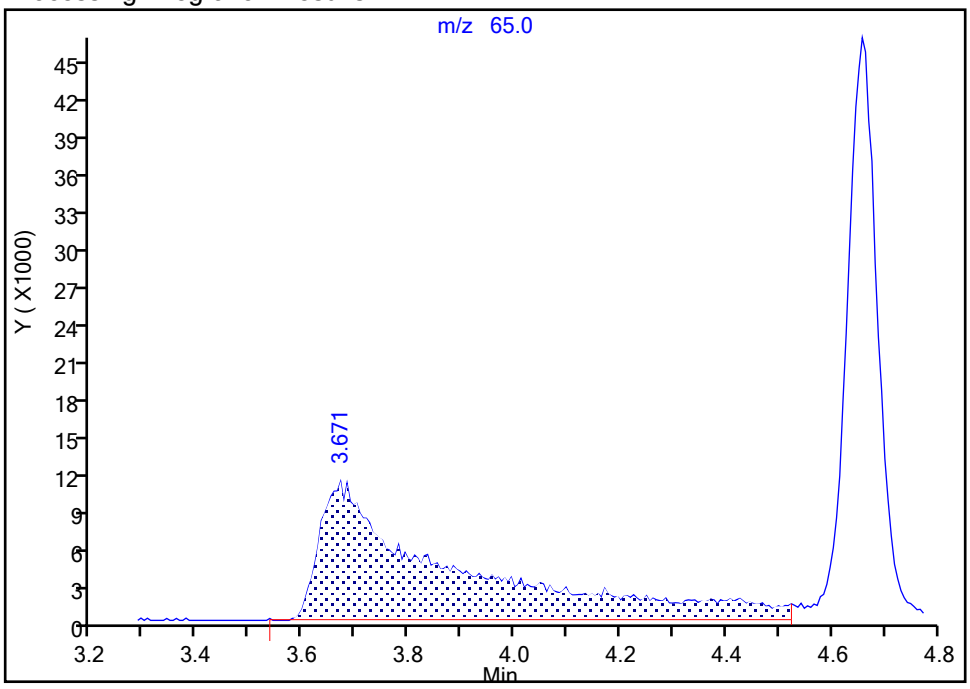
Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X20.D
Injection Date: 05-Jun-2025 00:04:30 Instrument ID: 10193
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 31 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

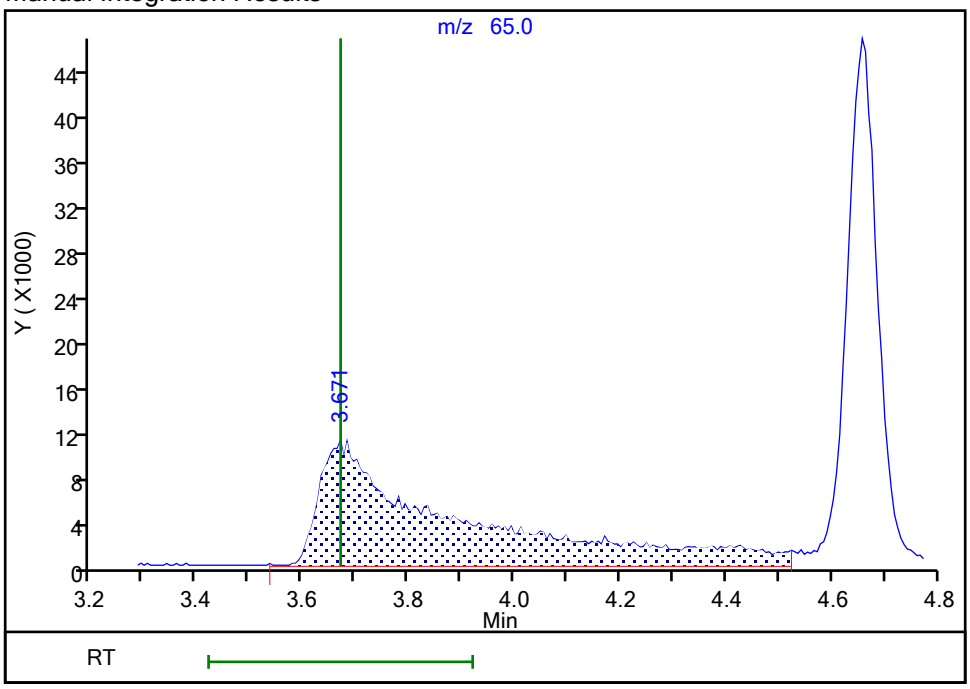
Processing Integration Results

RT: 3.67
Area: 188734
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.67
Area: 193355
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:01:16 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

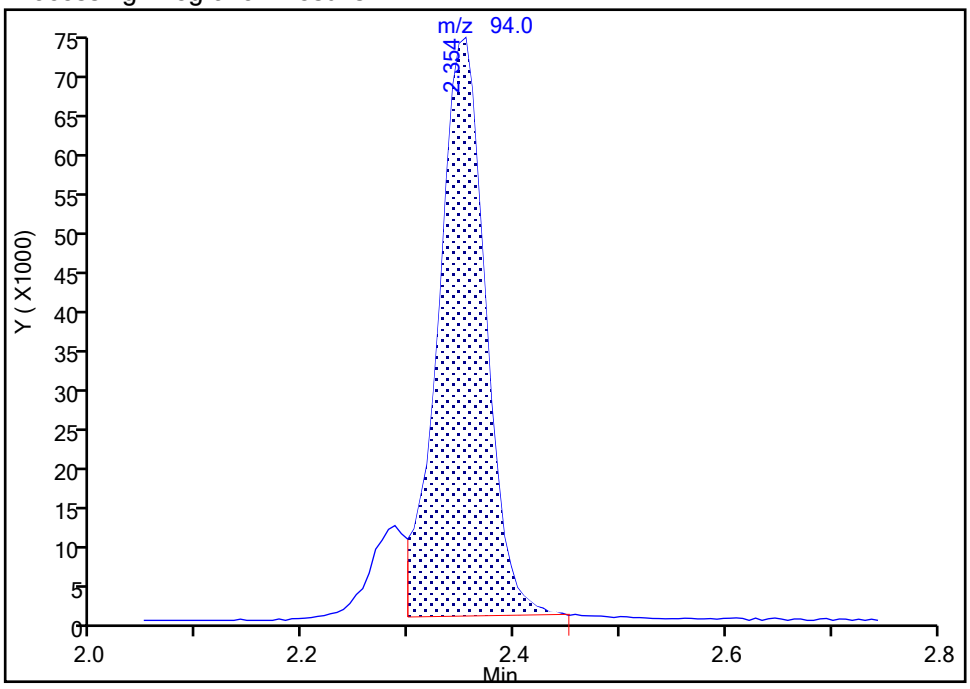
Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X20.D
Injection Date: 05-Jun-2025 00:04:30 Instrument ID: 10193
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

9 Bromomethane, CAS: 74-83-9

Signal: 1

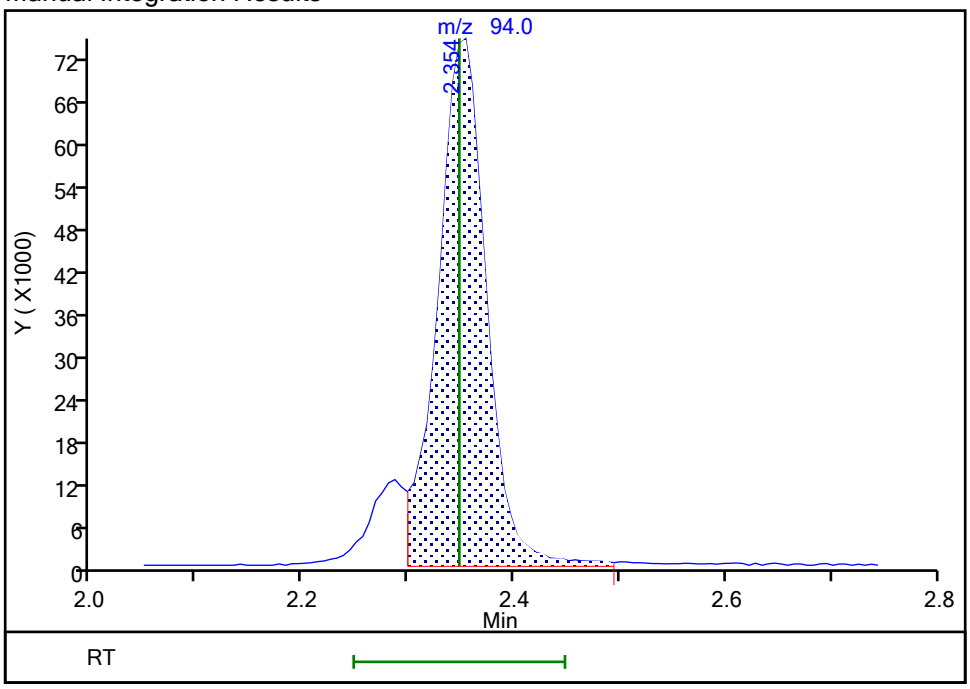
Processing Integration Results

RT: 2.35
Area: 232556
Amount: 4.535775
Amount Units: ug/l



Manual Integration Results

RT: 2.35
Area: 238377
Amount: 4.649308
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:04:19 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

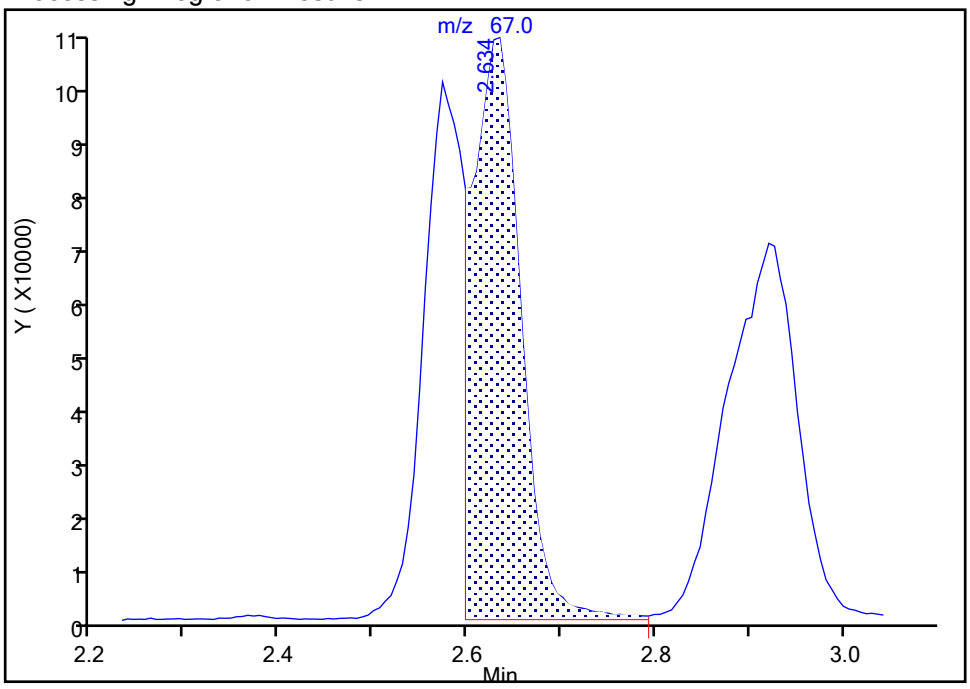
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X20.D				
Injection Date:	05-Jun-2025 00:04:30	Instrument ID:	10193		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

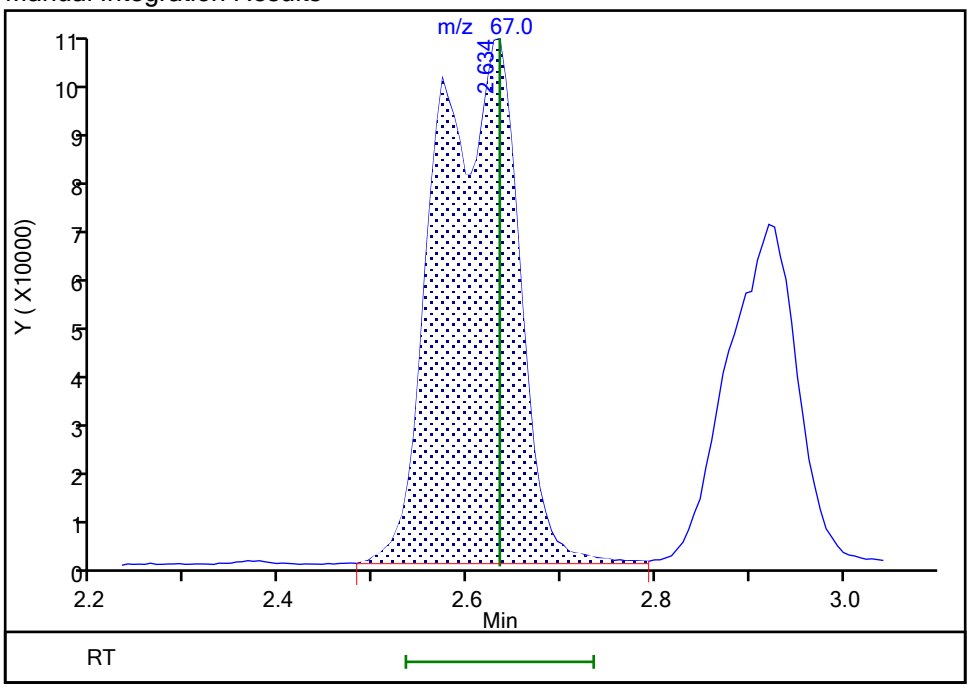
Processing Integration Results

RT: 2.63
Area: 386755
Amount: 2.946103
Amount Units: ug/l



Manual Integration Results

RT: 2.63
Area: 641781
Amount: 4.888762
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:58:53 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

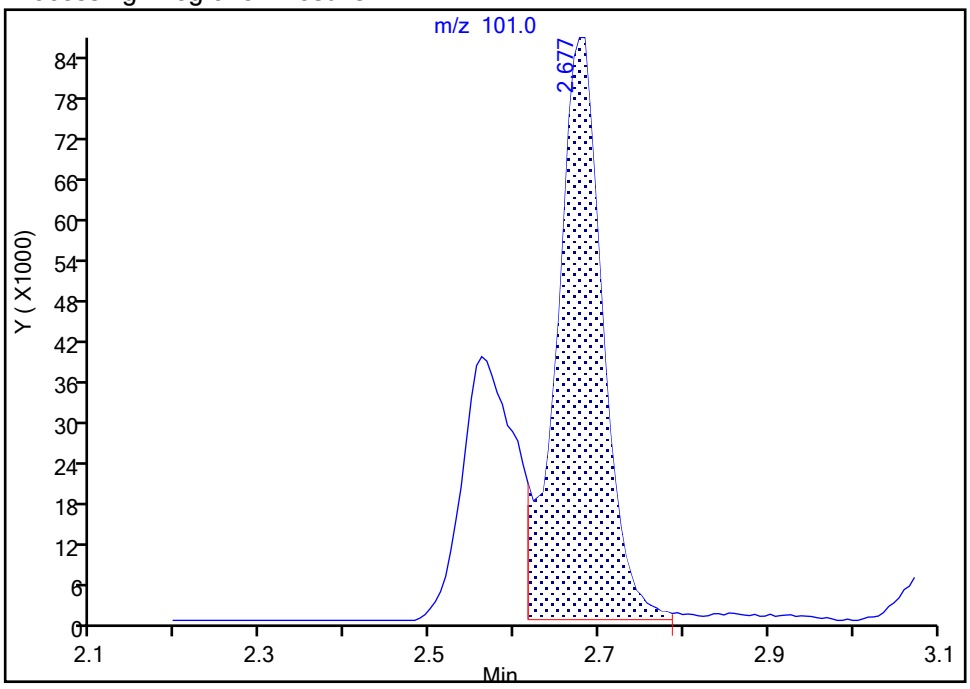
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X20.D				
Injection Date:	05-Jun-2025 00:04:30	Instrument ID:	10193		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

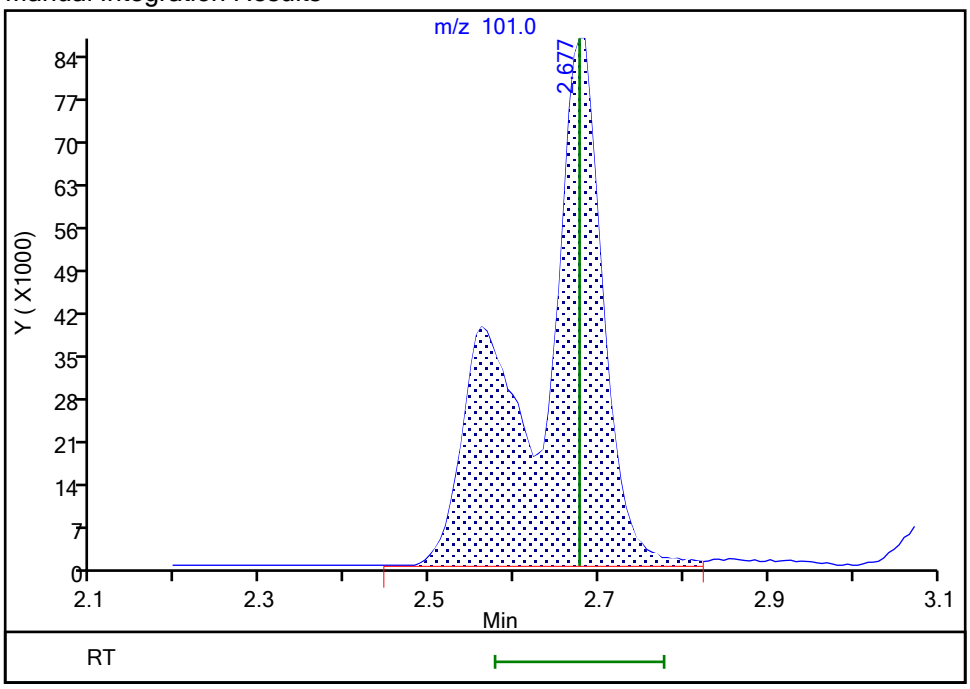
Processing Integration Results

RT: 2.68
Area: 330416
Amount: 3.256404
Amount Units: ug/l



Manual Integration Results

RT: 2.68
Area: 495848
Amount: 4.887614
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:03:01 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

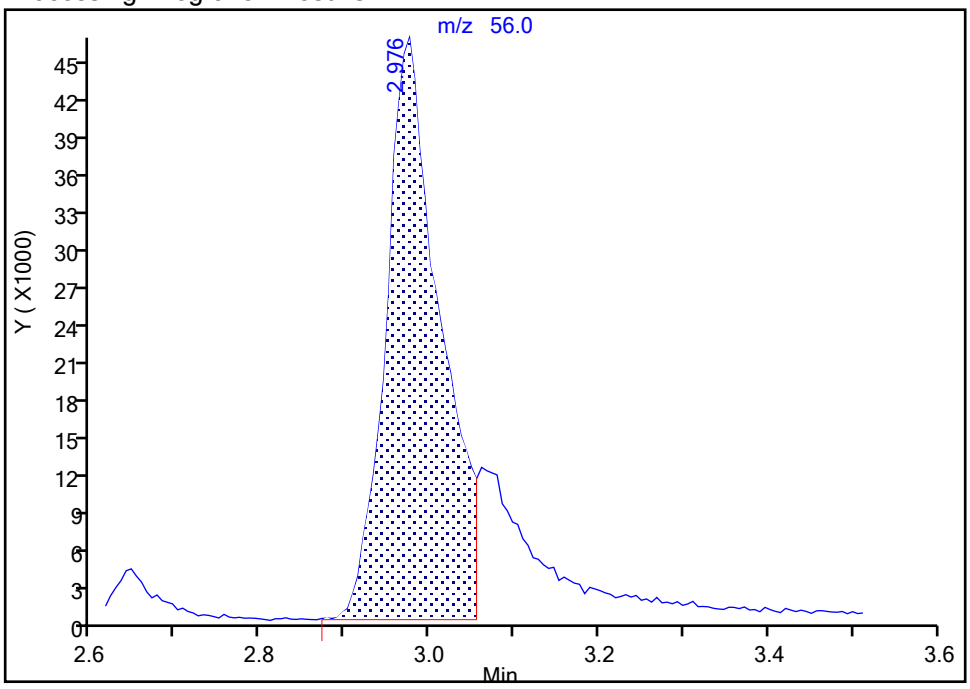
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X20.D				
Injection Date:	05-Jun-2025 00:04:30	Instrument ID:	10193		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

17 Acrolein, CAS: 107-02-8

Signal: 1

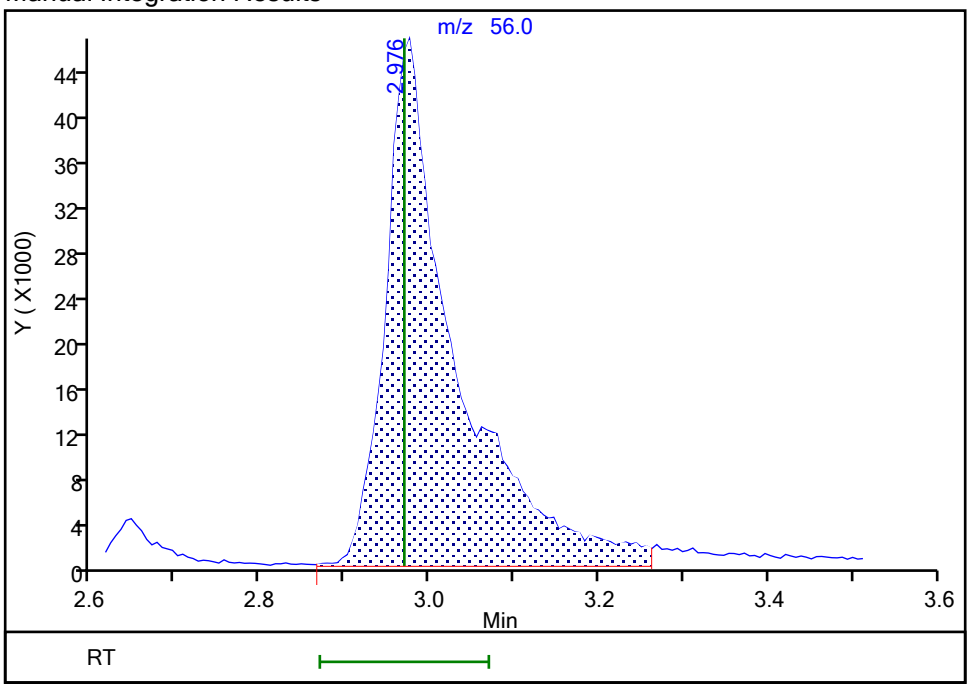
Processing Integration Results

RT: 2.98
Area: 204077
Amount: 29.833838
Amount Units: ug/l



Manual Integration Results

RT: 2.98
Area: 263644
Amount: 37.620772
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:59:28 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

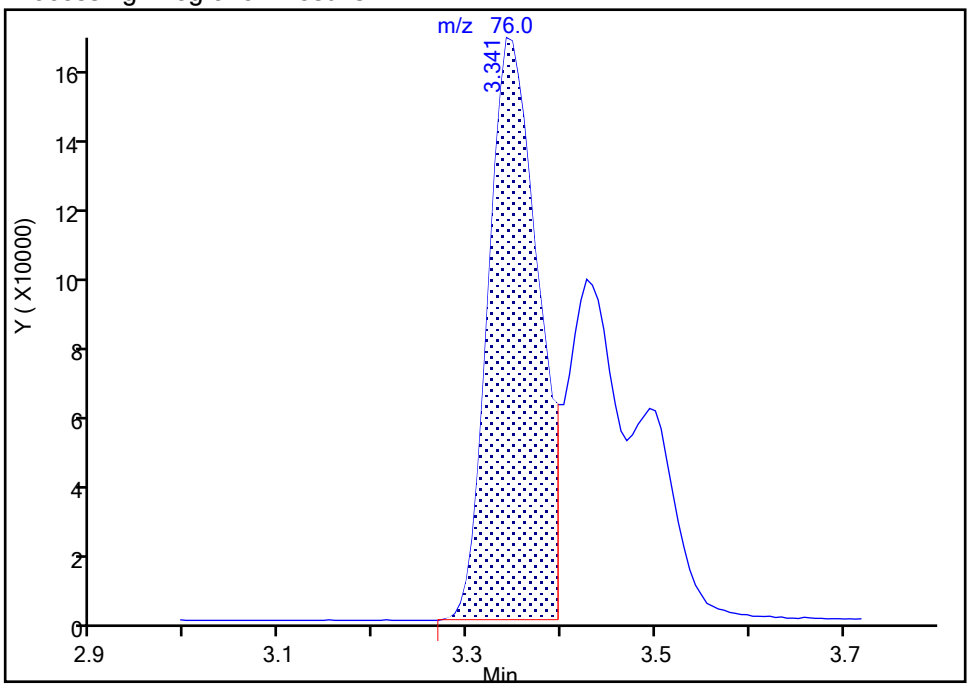
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X20.D				
Injection Date:	05-Jun-2025 00:04:30	Instrument ID:	10193		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

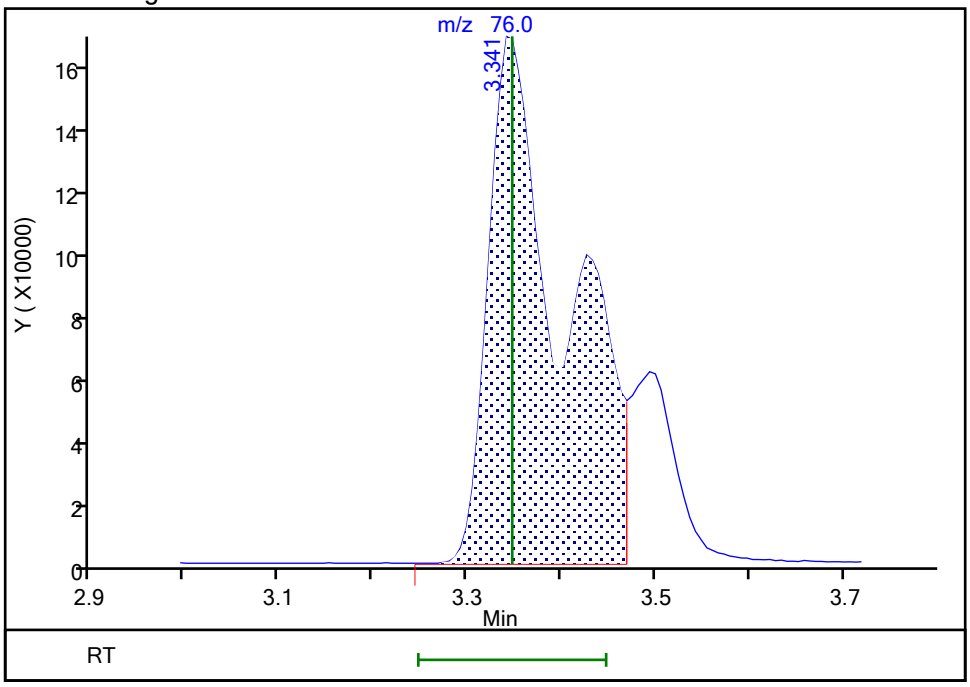
Processing Integration Results

RT: 3.34
Area: 597943
Amount: 3.241516
Amount Units: ug/l



Manual Integration Results

RT: 3.34
Area: 919398
Amount: 4.988885
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:02:43 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

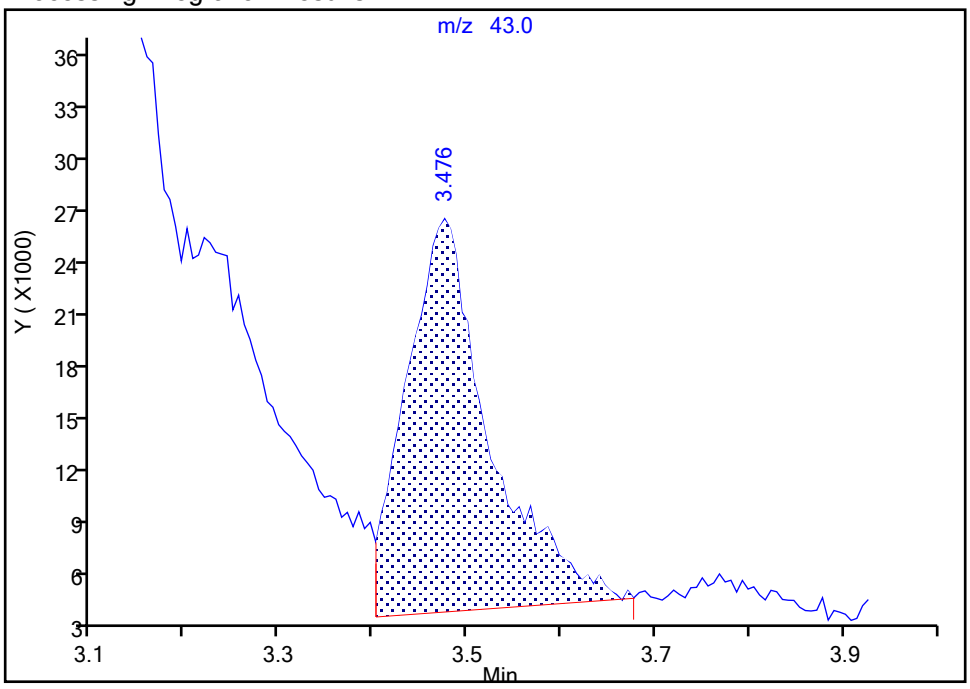
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X20.D				
Injection Date:	05-Jun-2025 00:04:30	Instrument ID:	10193		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

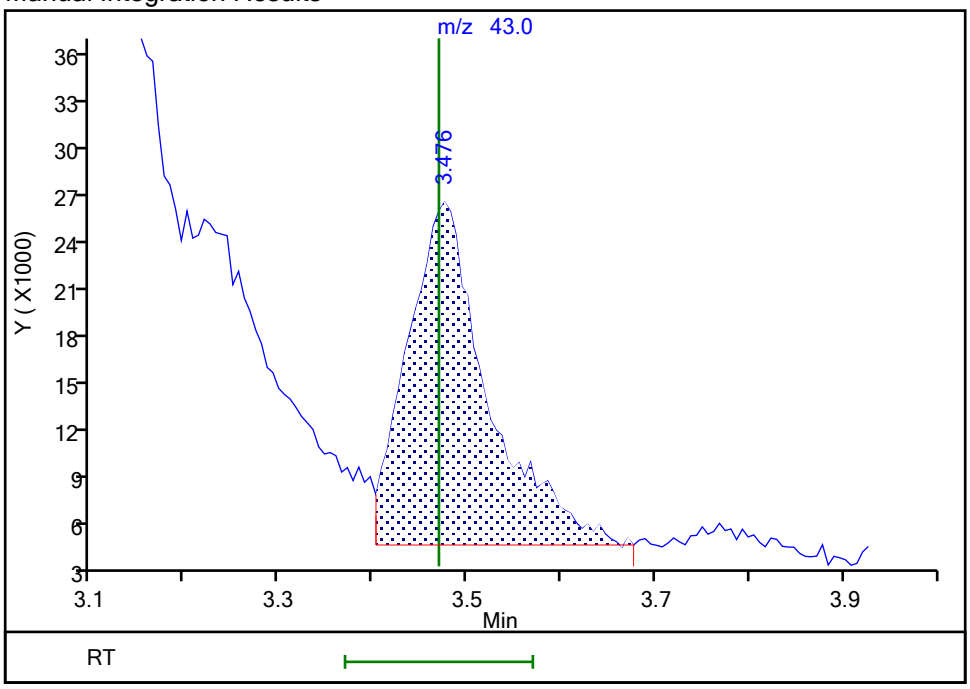
Processing Integration Results

RT: 3.48
Area: 135470
Amount: 5.634102
Amount Units: ug/l



Manual Integration Results

RT: 3.48
Area: 127149
Amount: 5.161658
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:00:59 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

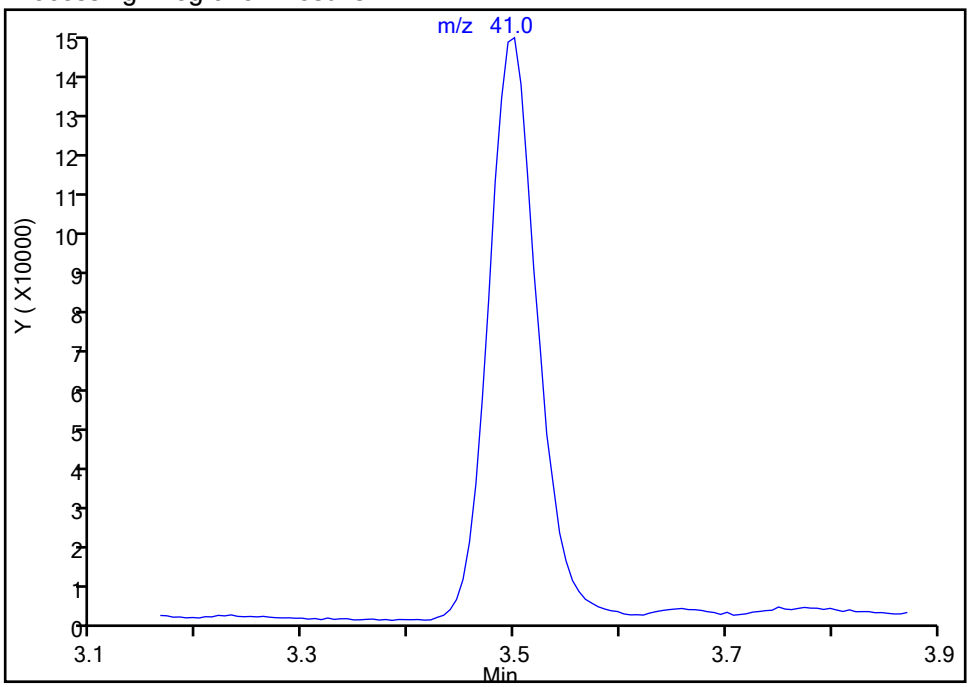
Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X20.D
Injection Date: 05-Jun-2025 00:04:30 Instrument ID: 10193
Lims ID: ICV
Client ID:
Operator ID: knk41612 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

29 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

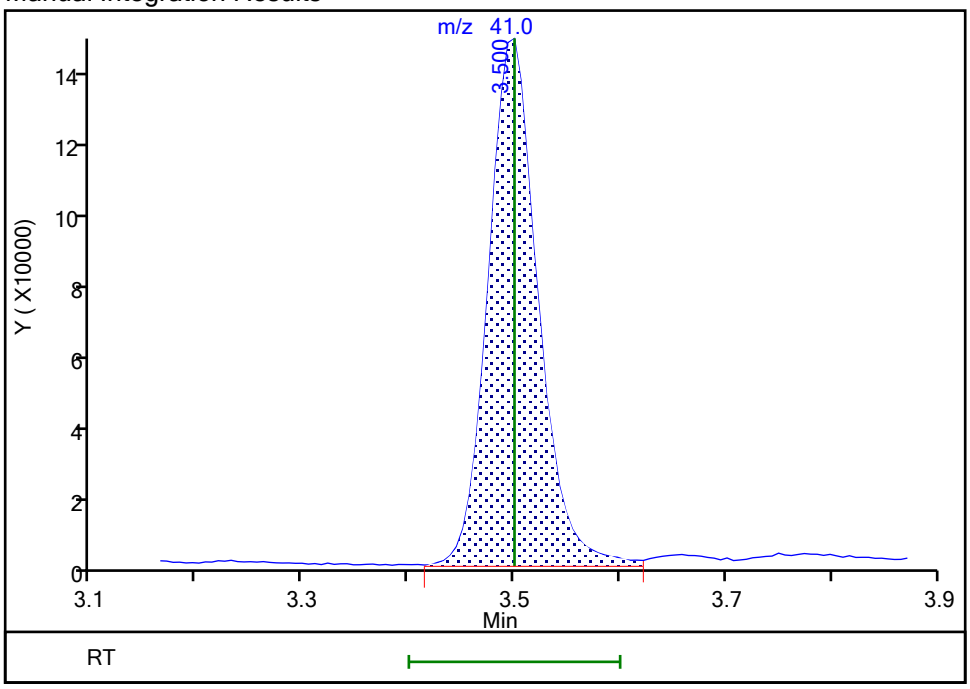
Not Detected
Expected RT: 3.50

Processing Integration Results



Manual Integration Results

RT: 3.50
Area: 466199
Amount: 4.951395
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:01:05 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

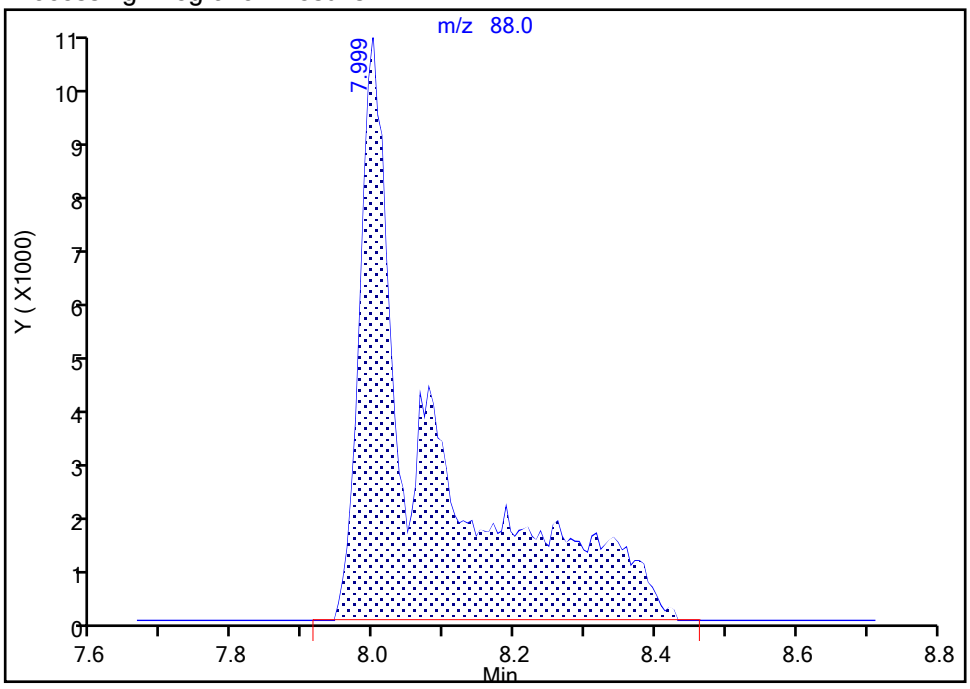
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X20.D				
Injection Date:	05-Jun-2025 00:04:30	Instrument ID:	10193		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

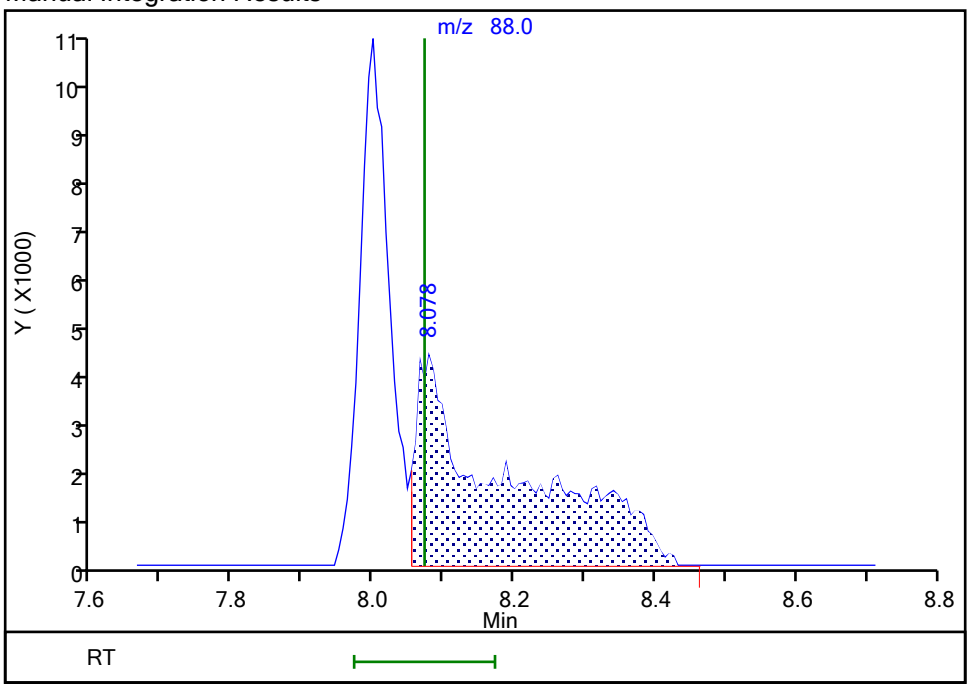
Processing Integration Results

RT: 8.00
Area: 66342
Amount: 252.0813
Amount Units: ug/l



Manual Integration Results

RT: 8.08
Area: 36688
Amount: 134.8374
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:01:30 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-681517/3 Calibration Date: 08/06/2025 10:29

Instrument ID: 10193 Calib Start Date: 06/04/2025 21:06

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/04/2025 23:20

Lab File ID: CG06X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3256	0.3778	0.1000	11.6	10.0	16.0	20.0
Chloromethane	Ave	0.3862	0.4024	0.1000	10.4	10.0	4.2	20.0
1,3-Butadiene	Ave	0.4446	0.4137		9.31	10.0	-6.9	20.0
Vinyl chloride	Ave	0.3413	0.3657	0.1000	10.7	10.0	7.2	20.0
Bromomethane	Ave	0.2182	0.2603	0.1000	11.9	10.0	19.3	20.0
Chloroethane	Ave	0.1935	0.2031	0.1000	10.5	10.0	5.0	20.0
Dichlorofluoromethane	Ave	0.5586	0.5921		10.6	10.0	6.0	20.0
Trichlorofluoromethane	Ave	0.4317	0.5087	0.1000	11.8	10.0	17.8	20.0
Diethyl ether	Ave	0.2057	0.2293		11.2	10.0	11.5	20.0
Freon 123a	Ave	0.3018	0.3191		10.6	10.0	5.7	20.0
Acrolein	Ave	1.812	2.172		585	488	19.8	20.0
1,1-Dichloroethene	Ave	0.2128	0.2342	0.1000	11.0	10.0	10.0	20.0
Acetone	Ave	2.365	2.839	0.1000	120	100	20.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2211	0.2353	0.1000	10.7	10.0	6.5	20.0
Methyl iodide	Ave	0.4330	0.4274		9.87	10.0	-1.3	20.0
Ethyl bromide	Ave	0.2041	0.2069		10.1	9.99	1.4	20.0
Carbon disulfide	Ave	0.7842	0.8024	0.1000	10.2	10.0	2.3	20.0
Methyl acetate	Ave	6.370	8.210	0.1000	12.9	10.0	28.9*	20.0
Allyl chloride	Ave	0.4006	0.4425		11.0	10.0	10.4	20.0
Methylene Chloride	Ave	0.2569	0.2810	0.1000	10.9	10.0	9.4	20.0
t-Butyl alcohol	Ave	0.7429	0.7147		192	200	-3.8	20.0
Acrylonitrile	Ave	3.469	3.981		28.7	25.0	14.8	20.0
trans-1,2-Dichloroethene	Ave	0.2625	0.2868	0.1000	10.9	10.0	9.3	20.0
Methyl tertiary butyl ether	Ave	0.7278	0.7246	0.1000	9.96	10.0	-0.4	20.0
n-Hexane	Ave	0.3574	0.3404		9.53	10.0	-4.7	20.0
1,1-Dichloroethane	Ave	0.4780	0.5144	0.2000	10.8	10.0	7.6	20.0
di-Isopropyl ether	Ave	0.8840	0.9499		10.8	10.0	7.5	20.0
Chloroprene	Ave	0.4217	0.4314		10.2	10.0	2.3	20.0
Ethyl t-butyl ether	Ave	0.8703	0.8390		9.64	10.0	-3.6	20.0
2-Butanone	Ave	4.540	5.471	0.1000	121	100	20.5*	20.0
cis-1,2-Dichloroethene	Ave	0.3024	0.3183	0.1000	10.5	10.0	5.3	20.0
2,2-Dichloropropane	Ave	0.3754	0.4223		11.3	10.0	12.5	20.0
Propionitrile	Ave	1.225	1.573		257	200	28.4*	20.0
Methacrylonitrile	Ave	4.399	5.450		124	100	23.9*	20.0
Bromochloromethane	Ave	0.1350	0.1474		10.9	10.0	9.2	20.0
Tetrahydrofuran	Ave	1.291	1.551		60.1	50.0	20.1*	20.0
Chloroform	Ave	0.4853	0.5249	0.2000	10.8	10.0	8.2	20.0
1,1,1-Trichloroethane	Ave	0.4251	0.4532	0.1000	10.7	10.0	6.6	20.0
Cyclohexane	Ave	0.4519	0.4515	0.1000	9.99	10.0	-0.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-681517/3 Calibration Date: 08/06/2025 10:29

Instrument ID: 10193 Calib Start Date: 06/04/2025 21:06

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/04/2025 23:20

Lab File ID: CG06X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.3622	0.3966	0.1000	11.0	10.0	9.5	20.0
1,1-Dichloropropene	Ave	0.3815	0.3936		10.3	10.0	3.2	20.0
Isobutyl alcohol	Ave	0.3027	0.3509		580	500	15.9	20.0
Benzene	Ave	1.137	1.241	0.5000	10.9	10.0	9.2	20.0
1,2-Dichloroethane	Ave	0.3111	0.3277	0.1000	10.5	10.0	5.4	20.0
t-Amyl methyl ether	Ave	0.7782	0.7887		10.1	10.0	1.3	20.0
n-Heptane	Ave	0.3521	0.3960		11.3	10.0	12.5	20.0
n-Butanol	Ave	0.2850	0.3223		990	875	13.1	20.0
Trichloroethene	Ave	0.3010	0.3232	0.2000	10.7	10.0	7.4	20.0
Methylcyclohexane	Ave	0.4837	0.4783	0.1000	9.89	10.0	-1.1	20.0
1,2-Dichloropropane	Ave	0.2911	0.3233	0.1000	11.1	10.0	11.1	20.0
1,4-Dioxane	Ave	0.0704	0.0725	0.0050	515	500	3.0	20.0
Dibromomethane	Ave	0.1439	0.1596		11.1	10.0	10.9	20.0
Methyl methacrylate	Ave	9.058	10.59		11.7	10.0	16.9	20.0
Bromodichloromethane	Ave	0.3547	0.3948	0.2000	11.1	10.0	11.3	20.0
2-Nitropropane	Ave	2.925	3.019		51.6	50.0	3.2	20.0
1-Bromo-2-chloroethane	Ave	0.2850	0.3320		11.7	10.0	16.5	20.0
cis-1,3-Dichloropropene	Ave	0.4367	0.4769	0.2000	10.9	10.0	9.2	20.0
4-Methyl-2-pentanone	Ave	12.04	14.82	0.1000	123	100	23.1*	20.0
Toluene	Ave	0.9711	0.9933	0.4000	10.2	10.0	2.3	20.0
trans-1,3-Dichloropropene	Ave	0.4912	0.5033	0.1000	10.3	10.0	2.5	20.0
Ethyl methacrylate	Ave	0.4256	0.3990		9.38	10.0	-6.2	20.0
1,1,2-Trichloroethane	Ave	0.2786	0.2856	0.1000	10.3	10.0	2.5	20.0
Tetrachloroethene	Ave	0.4508	0.4545	0.2000	10.1	10.0	0.8	20.0
1,3-Dichloropropane	Ave	0.4721	0.4848		10.3	10.0	2.7	20.0
2-Hexanone	Ave	8.616	10.77	0.1000	125	100	25.0*	20.0
Dibromochloromethane	Ave	0.3400	0.3758		11.1	10.0	10.5	20.0
1,2-Dibromoethane	Ave	0.2699	0.2799	0.1000	10.4	10.0	3.7	20.0
1-Chlorohexane	Ave	0.5450	0.5158		9.46	10.0	-5.4	20.0
Chlorobenzene	Ave	1.111	1.144	0.5000	10.3	10.0	2.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3783	0.4100		10.8	10.0	8.4	20.0
Ethylbenzene	Ave	1.932	1.979	0.1000	10.3	10.0	2.5	20.0
m&p-Xylene	Ave	0.7503	0.7814	0.1000	20.8	20.0	4.1	20.0
o-Xylene	Ave	0.7400	0.7591	0.3000	10.3	10.0	2.6	20.0
Styrene	Ave	1.231	1.308	0.3000	10.6	10.0	6.2	20.0
Bromoform	Ave	0.1980	0.2246	0.1000	11.3	10.0	13.4	20.0
Isopropylbenzene	Ave	1.705	1.975	0.1000	11.6	10.0	15.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6317	0.6386	0.3000	10.1	10.0	1.1	20.0
Bromobenzene	Ave	0.8876	0.8866		9.99	10.0	-0.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1513	0.1494		98.7	100	-1.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-681517/3 Calibration Date: 08/06/2025 10:29

Instrument ID: 10193 Calib Start Date: 06/04/2025 21:06

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/04/2025 23:20

Lab File ID: CG06X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichloropropane	Ave	0.1732	0.1757		10.1	10.0	1.4	20.0
N-Propylbenzene	Ave	4.125	4.095		9.93	10.0	-0.7	20.0
2-Chlorotoluene	Ave	0.8481	0.8354		9.85	10.0	-1.5	20.0
1,3,5-Trimethylbenzene	Ave	2.985	2.976		9.97	10.0	-0.3	20.0
4-Chlorotoluene	Ave	0.8795	0.8798		10.0	10.0	0.0	20.0
tert-Butylbenzene	Ave	0.6849	0.6538		9.55	10.0	-4.5	20.0
Pentachloroethane	Ave	0.5264	0.5074		9.64	10.0	-3.6	20.0
1,2,4-Trimethylbenzene	Ave	3.067	3.109		10.1	10.0	1.4	20.0
sec-Butylbenzene	Ave	3.811	3.748		9.84	10.0	-1.7	20.0
1,3-Dichlorobenzene	Ave	1.702	1.736	0.6000	10.2	10.0	2.0	20.0
p-Isopropyltoluene	Ave	3.330	3.352		10.1	10.0	0.7	20.0
1,4-Dichlorobenzene	Ave	1.777	1.793	0.5000	10.1	10.0	0.9	20.0
1,2,3-Trimethylbenzene	Ave	1.386	1.349		9.73	10.0	-2.7	20.0
Benzyl chloride	Ave	0.2218	0.2784		12.6	10.0	25.5*	20.0
n-Butylbenzene	Ave	1.605	1.622		10.1	10.0	1.0	20.0
1,2-Dichlorobenzene	Ave	1.553	1.607	0.4000	10.4	10.0	3.5	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0844	0.0881	0.0500	10.4	10.0	4.4	20.0
1,3,5-Trichlorobenzene	Ave	1.193	1.214		10.2	10.0	1.7	20.0
1,2,4-Trichlorobenzene	Ave	0.9016	0.9486	0.2000	10.5	10.0	5.2	20.0
Hexachlorobutadiene	Ave	0.5040	0.5145		10.2	10.0	2.1	20.0
Naphthalene	Ave	1.473	1.614		11.0	10.0	9.5	20.0
1,2,3-Trichlorobenzene	Ave	0.6984	0.7464		10.7	10.0	6.9	20.0
2-Methylnaphthalene	Qua		0.4517		7.21	10.0	-27.9*	20.0
Dibromofluoromethane (Surr)	Ave	0.2360	0.2467		10.5	10.0	4.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0487	0.0493		10.1	10.0	1.3	20.0
Toluene-d8 (Surr)	Ave	1.313	1.270		9.67	10.0	-3.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4960	0.5019		10.1	10.0	1.2	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X02.D
Lims ID: CCVIS VSTD10
Client ID:
Sample Type: CCVIS
Inject. Date: 06-Aug-2025 10:29:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-003
Misc. Info.: CCVIS VSTD10
Operator ID: ecr105096 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 17:01:42 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: N7YK Date: 06-Aug-2025 12:34:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.750	1.750	0.000	99	716753	10.0	11.6	
5 Chloromethane	50	1.927	1.927	0.000	99	763360	10.0	10.4	
7 Butadiene	39	2.012	2.012	0.000	94	784946	10.0	9.31	
6 Vinyl chloride	62	2.031	2.031	0.000	99	693918	10.0	10.7	
9 Bromomethane	94	2.329	2.329	0.000	91	493778	10.0	11.9	
10 Chloroethane	64	2.360	2.360	0.000	99	385412	10.0	10.5	
11 Dichlorofluoromethane	67	2.567	2.567	0.000	98	1123279	10.0	10.6	
13 Pentane	43	2.628	2.628	0.000	97	772283	10.0	10.8	
12 Trichlorofluoromethane	101	2.658	2.658	0.000	99	965149	10.0	11.8	
14 Ethyl ether	59	2.805	2.805	0.000	94	435232	10.0	11.2	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.908	2.908	0.000	95	605338	10.0	10.6	
17 Acrolein	56	2.957	2.957	0.000	99	3002990	487.9	584.7	
18 1,1-Dichloroethene	96	3.073	3.073	0.000	98	444395	10.0	11.0	
20 Acetone	43	3.097	3.097	0.000	98	804461	100.0	120.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.128	3.128	0.000	92	446470	10.0	10.6	
22 Iodomethane	142	3.238	3.238	0.000	100	810909	10.0	9.87	
24 Isopropyl alcohol	45	3.244	3.244	0.000	45	314144	200.0	246.5	
23 Ethyl bromide	108	3.262	3.262	0.000	99	392209	9.99	10.1	
25 Carbon disulfide	76	3.329	3.329	0.000	100	1522377	10.0	10.2	M
26 Methyl acetate	43	3.457	3.457	0.000	97	232669	10.0	12.9	M
29 3-Chloro-1-propene	41	3.475	3.475	0.000	92	839503	10.0	11.0	
30 Methylene Chloride	84	3.640	3.640	0.000	92	533052	10.0	10.9	
* 31 t-Butyl alcohol-d10 (IS)	65	3.640	3.640	0.000	37	141694	50.0	50.0	
32 2-Methyl-2-propanol	59	3.756	3.756	0.000	98	405090	200.0	192.4	
33 Acrylonitrile	53	3.939	3.939	0.000	98	282031	25.0	28.7	
35 trans-1,2-Dichloroethene	96	3.987	3.987	0.000	99	544185	10.0	10.9	
34 Methyl tert-butyl ether	73	3.994	3.994	0.000	96	1374783	10.0	9.96	
36 Hexane	57	4.390	4.390	0.000	95	645859	10.0	9.53	
37 1,1-Dichloroethane	63	4.634	4.634	0.000	97	975978	10.0	10.8	
39 Isopropyl ether	45	4.701	4.701	0.000	94	1802122	10.0	10.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.743	4.743	0.000	93	818520	10.0	10.2	
41 Tert-butyl ethyl ether	59	5.249	5.249	0.000	97	1591779	10.0	9.64	
42 2-Butanone (MEK)	43	5.463	5.463	0.000	100	1550462	100.0	120.5	
43 cis-1,2-Dichloroethene	96	5.487	5.487	0.000	83	603934	10.0	10.5	
44 2,2-Dichloropropane	77	5.505	5.505	0.000	87	801207	10.0	11.2	
45 Propionitrile	54	5.554	5.554	0.000	99	891752	200.0	256.9	
47 Methacrylonitrile	67	5.780	5.780	0.000	94	1544425	100.0	123.9	
48 Chlorobromomethane	128	5.829	5.829	0.000	95	279729	10.0	10.9	
49 Tetrahydrofuran	71	5.835	5.835	0.000	86	219769	50.0	60.1	
50 Chloroform	83	5.993	5.993	0.000	95	995939	10.0	10.8	
53 1,1,1-Trichloroethane	97	6.213	6.213	0.000	98	859821	10.0	10.7	
$ 54 Dibromofluoromethane (Surr)	113	6.213	6.213	0.000	83	468018	10.0	10.5	
55 Cyclohexane	56	6.304	6.304	0.000	92	856592	10.0	10.0	
56 Carbon tetrachloride	117	6.426	6.426	0.000	96	752367	10.0	10.9	
57 1,1-Dichloropropene	75	6.432	6.432	0.000	95	746738	10.0	10.3	
58 Isobutyl alcohol	41	6.639	6.639	0.000	91	497224	500.0	579.6	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.676	6.676	0.000	99	93615	10.0	10.1	
60 Benzene	78	6.700	6.700	0.000	97	2355167	10.0	10.9	
61 1,2-Dichloroethane	62	6.780	6.780	0.000	98	621792	10.0	10.5	
64 Tert-amyl methyl ether	73	6.914	6.914	0.000	98	1496290	10.0	10.1	
* 65 Fluorobenzene (IS)	96	7.127	7.127	0.000	99	1897252	10.0	10.0	
66 n-Heptane	43	7.145	7.145	0.000	93	751319	10.0	11.2	
67 n-Butanol	56	7.554	7.554	0.000	91	799267	875.0	989.6	
68 Trichloroethene	95	7.615	7.615	0.000	99	613250	10.0	10.7	
69 Methylcyclohexane	83	7.926	7.926	0.000	93	907516	10.0	9.89	
70 1,2-Dichloropropane	63	7.956	7.956	0.000	97	613353	10.0	11.1	
71 2-ethoxy-2-methyl butane	87	7.987	7.987	0.000	93	914892	10.0	10.6	
74 1,4-Dioxane	88	8.066	8.066	0.000	29	102688	500.0	515.0	M
72 Dibromomethane	93	8.072	8.072	0.000	84	302763	10.0	11.1	
73 Methyl methacrylate	69	8.072	8.072	0.000	92	299969	10.0	11.7	
76 Dichlorobromomethane	83	8.316	8.316	0.000	100	749112	10.0	11.1	
77 2-Nitropropane	41	8.609	8.609	0.000	99	427728	50.0	51.6	
78 1-Bromo-2-chloroethane	63	8.712	8.712	0.000	99	629870	10.0	11.6	
80 cis-1,3-Dichloropropene	75	8.895	8.895	0.000	96	904804	10.0	10.9	
82 4-Methyl-2-pentanone (MIBK)	43	9.102	9.102	0.000	97	4201133	100.0	123.1	
$ 83 Toluene-d8 (Surr)	98	9.230	9.230	0.000	93	1971327	10.0	9.67	
84 Toluene	92	9.316	9.316	0.000	98	1541822	10.0	10.2	
85 trans-1,3-Dichloropropene	75	9.614	9.614	0.000	93	781298	10.0	10.2	
86 Ethyl methacrylate	69	9.700	9.700	0.000	90	619395	10.0	9.38	
87 1,1,2-Trichloroethane	97	9.834	9.834	0.000	91	443310	10.0	10.3	
88 Tetrachloroethene	166	9.913	9.913	0.000	98	705533	10.0	10.1	
89 1,3-Dichloropropane	76	10.005	10.005	0.000	92	752474	10.0	10.3	
106 2-Hexanone	43	10.078	10.078	0.000	97	3051531	100.0	125.0	
108 Chlorodibromomethane	129	10.230	10.230	0.000	90	583272	10.0	11.1	
110 Ethylene Dibromide	107	10.340	10.340	0.000	99	434436	10.0	10.4	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	86	1552204	10.0	10.0	
112 1-Chlorohexane	91	10.828	10.828	0.000	96	800605	10.0	9.46	
113 Chlorobenzene	112	10.834	10.834	0.000	95	1775393	10.0	10.3	
114 1,1,1,2-Tetrachloroethane	131	10.925	10.925	0.000	96	636378	10.0	10.8	
115 Ethylbenzene	91	10.925	10.925	0.000	98	3072107	10.0	10.2	
116 m-Xylene & p-Xylene	106	11.053	11.053	0.000	96	2425917	20.0	20.8	
118 o-Xylene	106	11.395	11.395	0.000	97	1178315	10.0	10.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
119 Styrene	104	11.413	11.413	0.000	95	2030008	10.0	10.6	
120 Bromoform	173	11.565	11.565	0.000	97	348620	10.0	11.3	
121 Isopropylbenzene	105	11.712	11.712	0.000	96	3065494	10.0	11.6	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	94	779020	10.0	10.1	
125 Bromobenzene	156	11.968	11.968	0.000	91	813686	10.0	9.99	
126 1,1,2,2-Tetrachloroethane	83	11.968	11.968	0.000	93	586096	10.0	10.1	
127 trans-1,4-Dichloro-2-butene	53	11.998	11.998	0.000	93	1370789	100.0	98.7	
128 1,2,3-Trichloropropane	110	12.010	12.010	0.000	82	161213	10.0	10.1	
129 N-Propylbenzene	91	12.053	12.053	0.000	99	3758114	10.0	9.93	
130 2-Chlorotoluene	126	12.126	12.126	0.000	97	766690	10.0	9.85	
131 1,3,5-Trimethylbenzene	105	12.193	12.193	0.000	93	2731078	10.0	9.97	
132 4-Chlorotoluene	126	12.224	12.224	0.000	97	807467	10.0	10.0	
133 tert-Butylbenzene	134	12.443	12.443	0.000	93	600068	10.0	9.55	
134 Pentachloroethane	167	12.468	12.468	0.000	94	465692	10.0	9.64	
135 1,2,4-Trimethylbenzene	105	12.486	12.486	0.000	97	2853013	10.0	10.1	
136 sec-Butylbenzene	105	12.608	12.608	0.000	94	3439414	10.0	9.83	
137 1,3-Dichlorobenzene	146	12.705	12.705	0.000	98	1593386	10.0	10.2	
138 4-Isopropyltoluene	119	12.724	12.724	0.000	97	3076457	10.0	10.1	
* 139 1,4-Dichlorobenzene-d4	152	12.760	12.760	0.000	95	917750	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.778	12.778	0.000	95	1645888	10.0	10.1	
141 1,2,3-Trimethylbenzene	120	12.797	12.797	0.000	98	1238112	10.0	9.73	
142 Benzyl chloride	126	12.864	12.864	0.000	98	255495	10.0	12.5	
145 p-Diethylbenzene	119	12.998	12.998	0.000	94	1860575	10.0	10.1	
143 n-Butylbenzene	92	13.022	13.022	0.000	97	1488301	10.0	10.1	
144 1,2-Dichlorobenzene	146	13.047	13.047	0.000	99	1475279	10.0	10.4	
148 1,2-Dibromo-3-Chloropropane	155	13.601	13.601	0.000	88	80857	10.0	10.4	
149 1,3,5-Trichlorobenzene	180	13.729	13.729	0.000	98	1114139	10.0	10.2	
150 1,2,4-Trichlorobenzene	180	14.162	14.162	0.000	94	870584	10.0	10.5	
151 Hexachlorobutadiene	225	14.248	14.248	0.000	97	472205	10.0	10.2	
152 Naphthalene	128	14.345	14.345	0.000	97	1480826	10.0	11.0	
153 1,2,3-Trichlorobenzene	180	14.485	14.485	0.000	96	685013	10.0	10.7	
154 2-Methylnaphthalene	142	15.101	15.101	0.000	92	414553	10.0	7.21	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00173	Amount Added: 20.00	Units: uL	
MSV_LL_GAS826_00283	Amount Added: 20.00	Units: uL	
MSV_LL_#2_826_00188	Amount Added: 20.00	Units: uL	
MSV_HP25_ISSS_00117	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 06-Aug-2025 17:01:43 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X02.D

Injection Date: 06-Aug-2025 10:29:30 Instrument ID: 10193 Operator ID: ecr105096

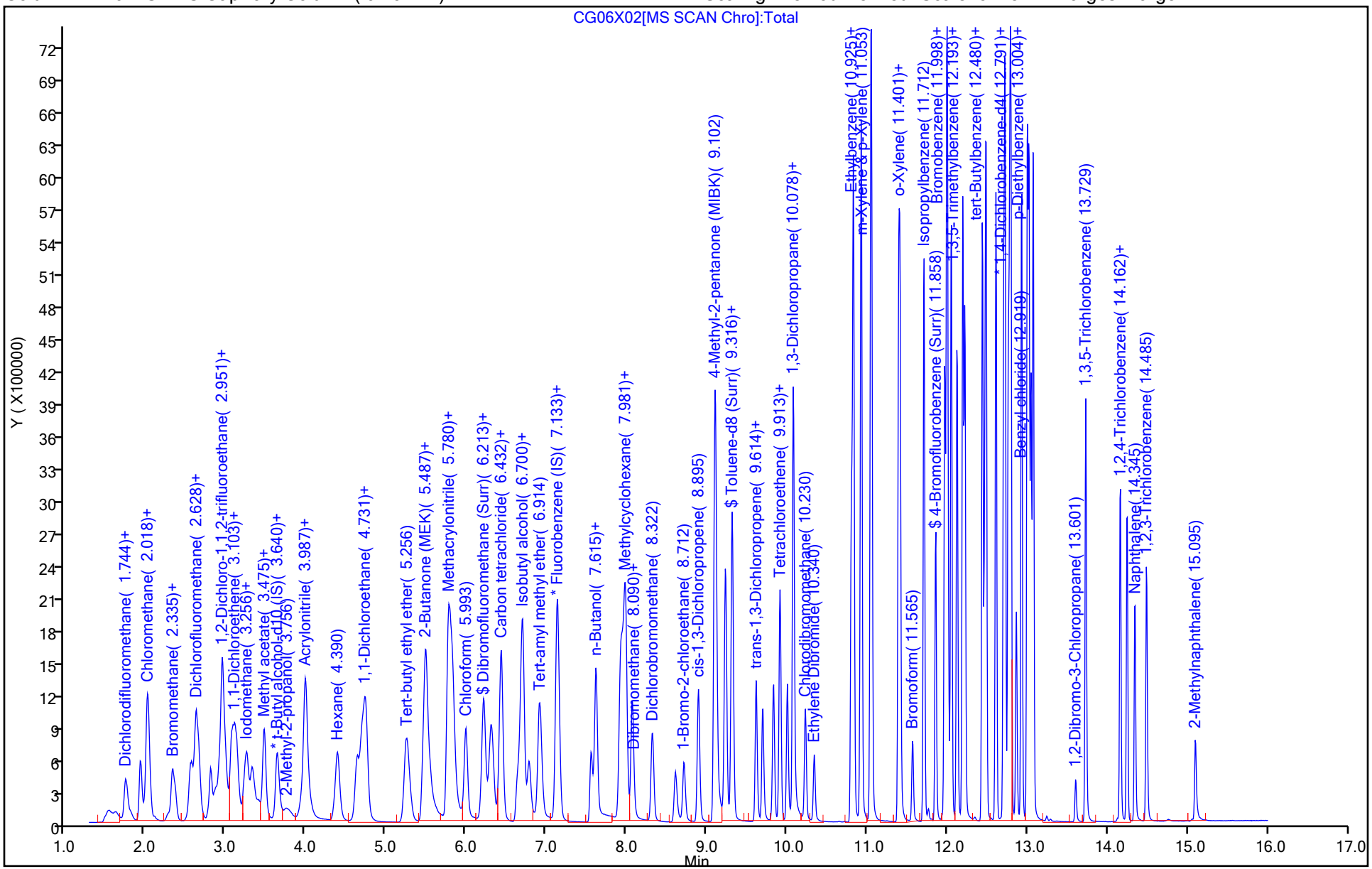
Lims ID: CCVIS VSTD10 Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

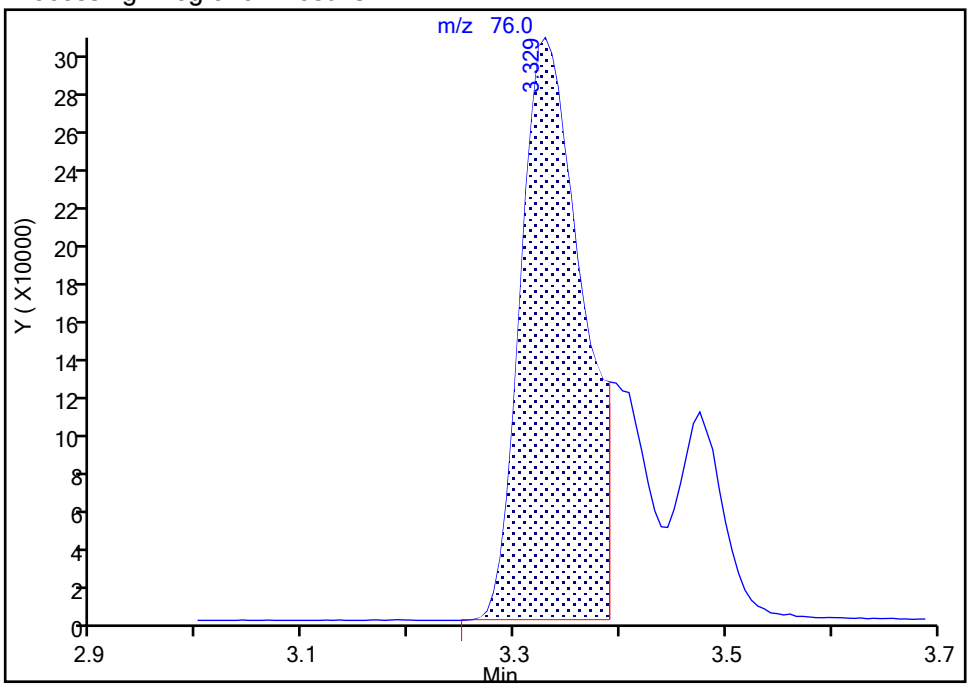
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X02.D				
Injection Date:	06-Aug-2025 10:29:30	Instrument ID:	10193		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	ecr105096	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

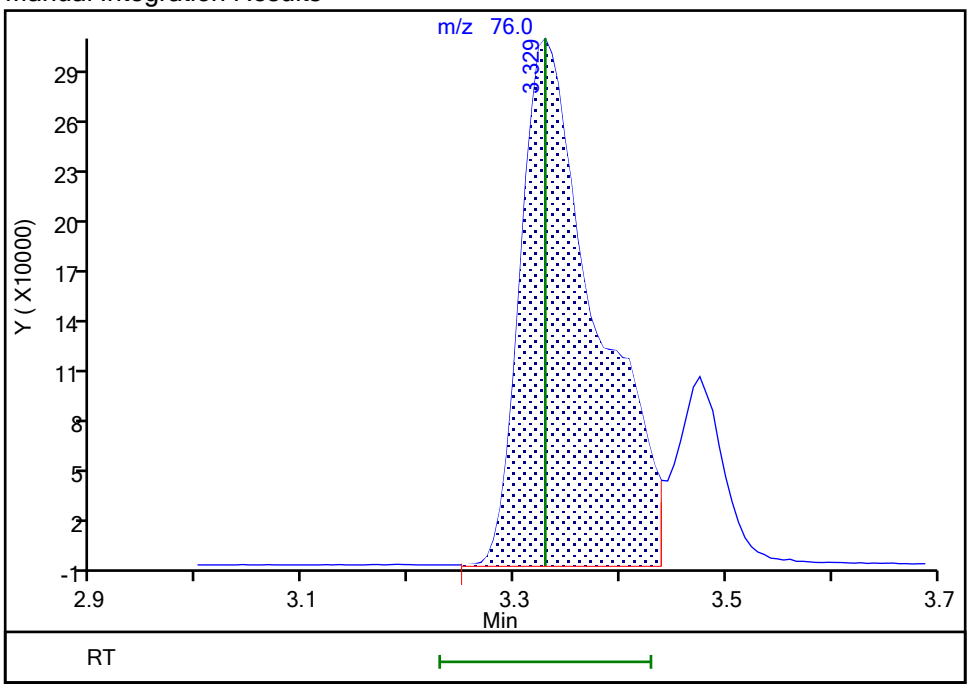
Processing Integration Results

RT: 3.33
Area: 1251496
Amount: 8.411792
Amount Units: ug/l



Manual Integration Results

RT: 3.33
Area: 1522377
Amount: 10.232488
Amount Units: ug/l



Reviewer: N7YK, 06-Aug-2025 12:32:17 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

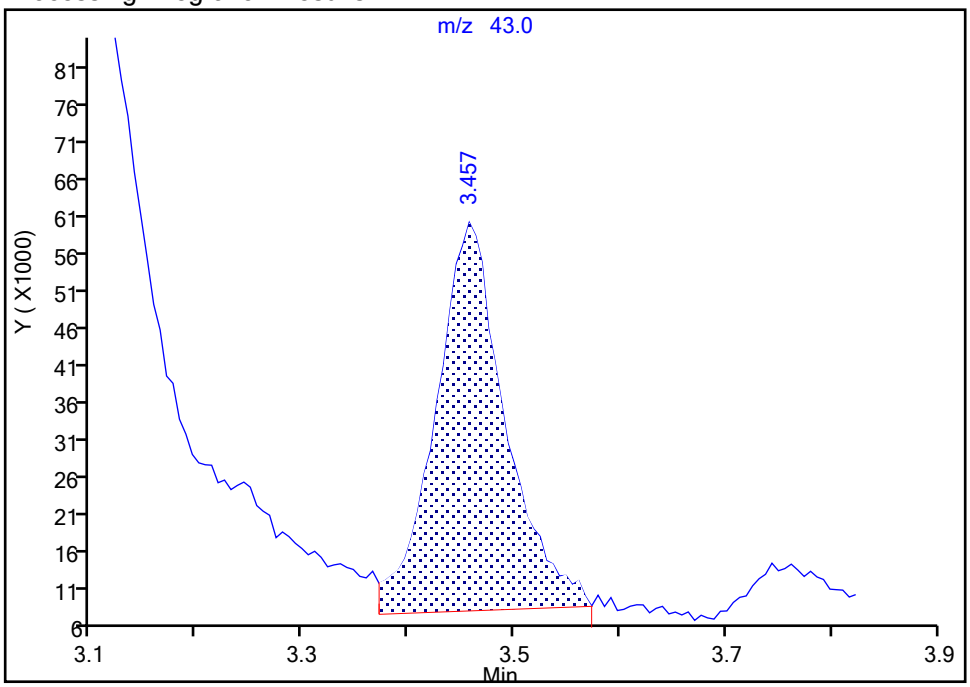
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X02.D				
Injection Date:	06-Aug-2025 10:29:30	Instrument ID:	10193		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	ecr105096	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

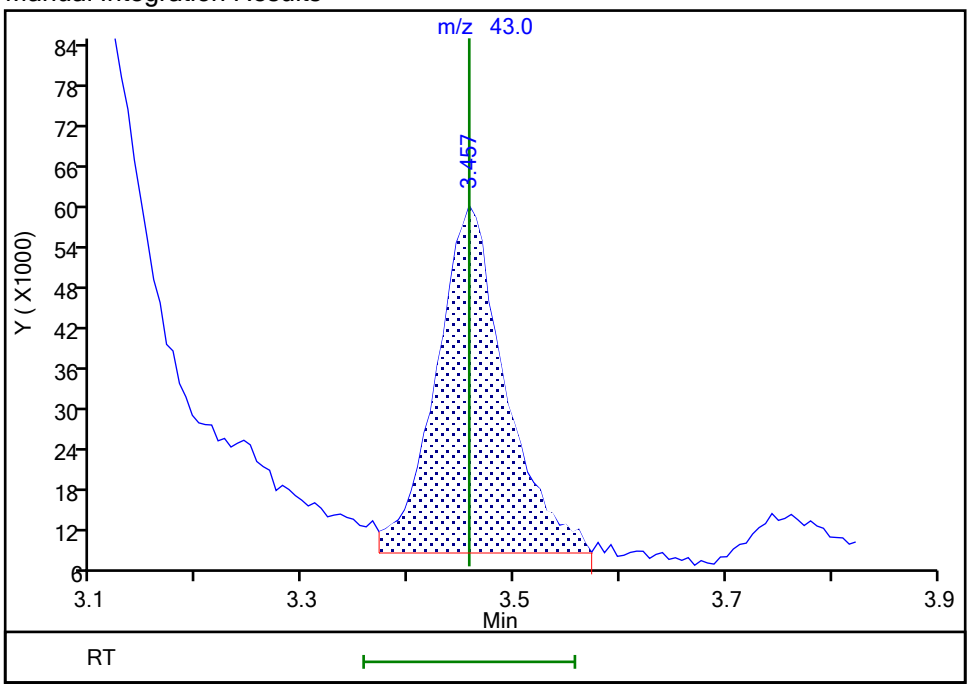
Processing Integration Results

RT: 3.46
Area: 240511
Amount: 13.323404
Amount Units: ug/l



Manual Integration Results

RT: 3.46
Area: 232669
Amount: 12.888987
Amount Units: ug/l



Reviewer: N7YK, 06-Aug-2025 12:32:30 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

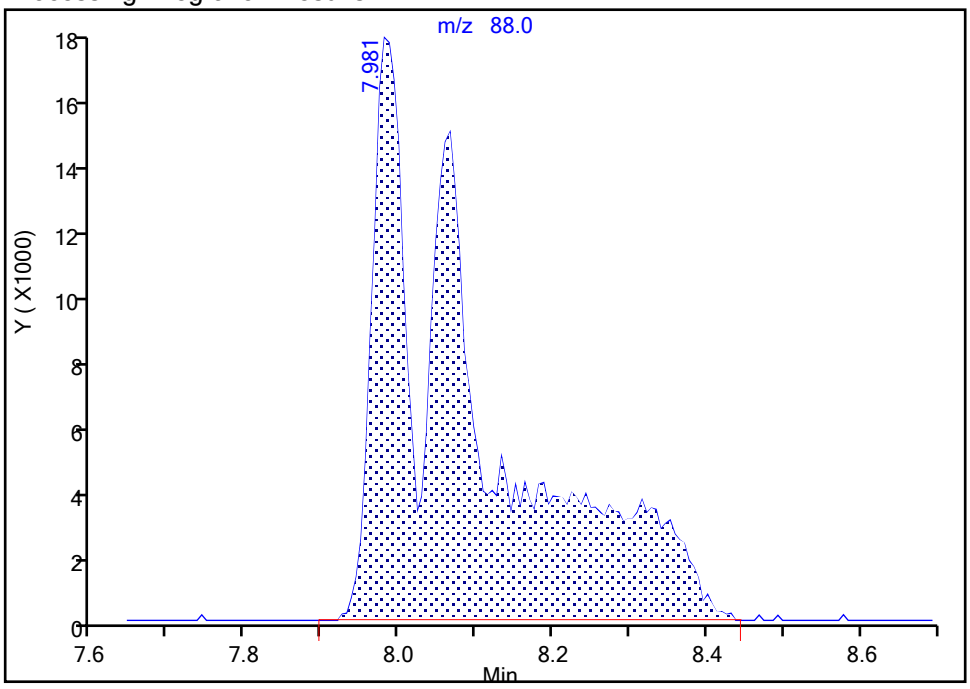
Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X02.D
Injection Date: 06-Aug-2025 10:29:30 Instrument ID: 10193
Lims ID: CCVIS VSTD10
Client ID:
Operator ID: ecr105096 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

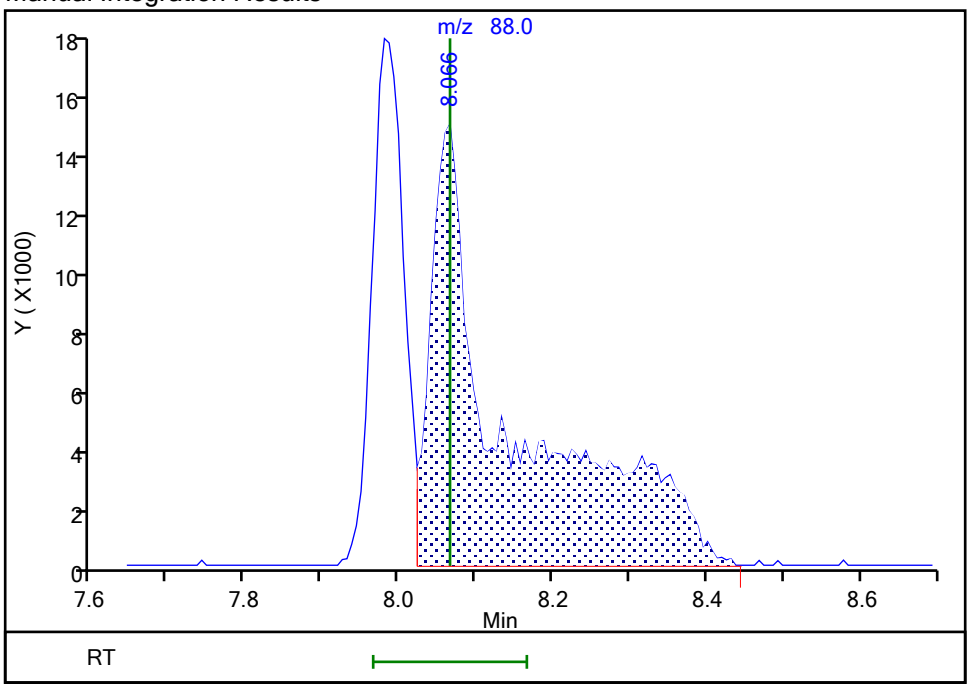
Processing Integration Results

RT: 7.98
Area: 151244
Amount: 758.5223
Amount Units: ug/l



Manual Integration Results

RT: 8.07
Area: 102688
Amount: 515.0032
Amount Units: ug/l



Reviewer: N7YK, 06-Aug-2025 12:32:56 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCV 410-681517/4 Calibration Date: 08/06/2025 10:52

Instrument ID: 10193 Calib Start Date: 06/04/2025 17:23

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/04/2025 19:37

Lab File ID: CG06X03.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl ether	Ave	0.4500	0.3950		8.78	10.0	-12.2	20.0
Acetonitrile	Ave	0.0181	0.0187		51.8	50.0	3.5	20.0
Vinyl acetate	Ave	0.3609	0.3837		10.6	10.0	6.3	20.0
Ethyl acetate	Ave	0.1745	0.1697		9.72	10.0	-2.8	20.0
n-Propyl acetate	Ave	0.0793	0.0730		9.22	10.0	-7.8	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X03.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 06-Aug-2025 10:52:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-004
Operator ID: ecr105096 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub45

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 17:01:47 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: N7YK Date: 06-Aug-2025 12:42:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dimethyl ether	45	1.799	1.805	-0.006	98	705294	10.0	8.78	
27 Acetonitrile	41	3.439	3.451	-0.012	100	166863	50.0	51.8	
* 31 t-Butyl alcohol-d10 (IS)	65	3.646	3.640	0.006	97	140839	50.0	50.0	
38 Vinyl acetate	43	4.640	4.640	0.000	97	685234	10.0	10.6	
46 Ethyl acetate	43	5.548	5.554	-0.006	99	302947	10.0	9.72	
$ 54 Dibromofluoromethane (Surr)	113	6.219	6.213	0.006	94	448894	10.0	10.7	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.670	6.676	-0.006	99	91200	10.0	10.5	
63 Isopropyl acetate	43	6.822	6.828	-0.006	99	641820	10.0	9.17	
* 65 Fluorobenzene (IS)	96	7.127	7.127	0.000	99	1785683	10.0	10.0	
75 n-Propyl acetate	61	8.164	8.170	-0.006	99	130421	10.0	9.22	
$ 83 Toluene-d8 (Surr)	98	9.230	9.230	0.000	94	1805912	10.0	9.35	
109 n-Butyl acetate	43	10.218	10.224	-0.006	97	550370	10.0	8.30	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1470307	10.0	10.0	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	93	674763	10.0	9.25	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	774729	10.0	10.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_CCV_V5ACE_00051	Amount Added:	1.00	Units: uL	
MSV_DME_00072	Amount Added:	1.00	Units: uL	
MSV_HP25_ISSS_00117	Amount Added:	1.00	Units: uL	Run Reagent

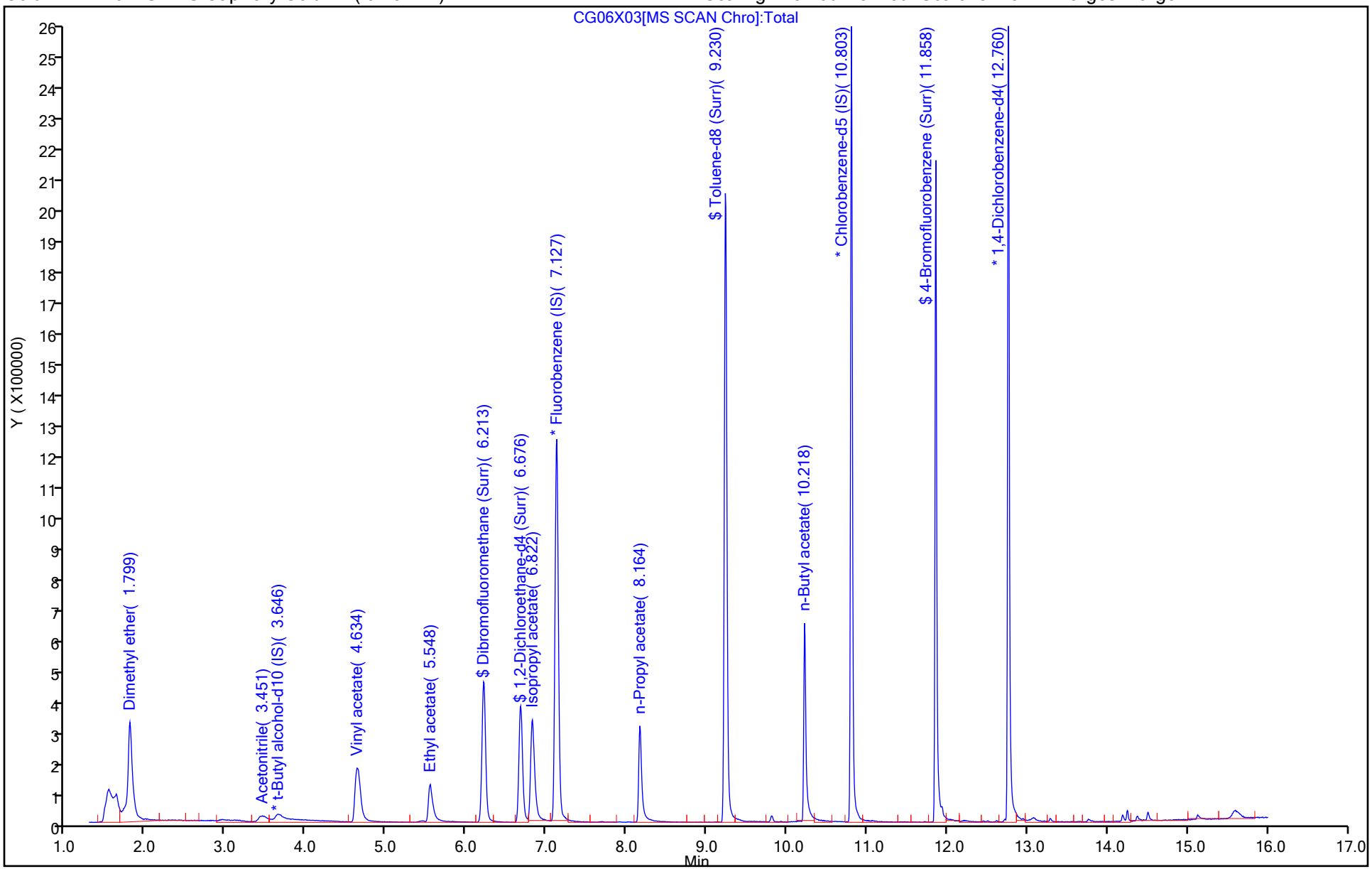
Report Date: 06-Aug-2025 17:01:48 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X03.D

Injection Date:	06-Aug-2025 10:52:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	CCV			Worklist Smp#:	4
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 04-Jun-2025 16:26:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0149247-001
Misc. Info.: BFB
Operator ID: knk41612 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 05-Jun-2025 11:38:29 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1656

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 168 BFB	95	4.947	4.947	0.000	89	943269	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

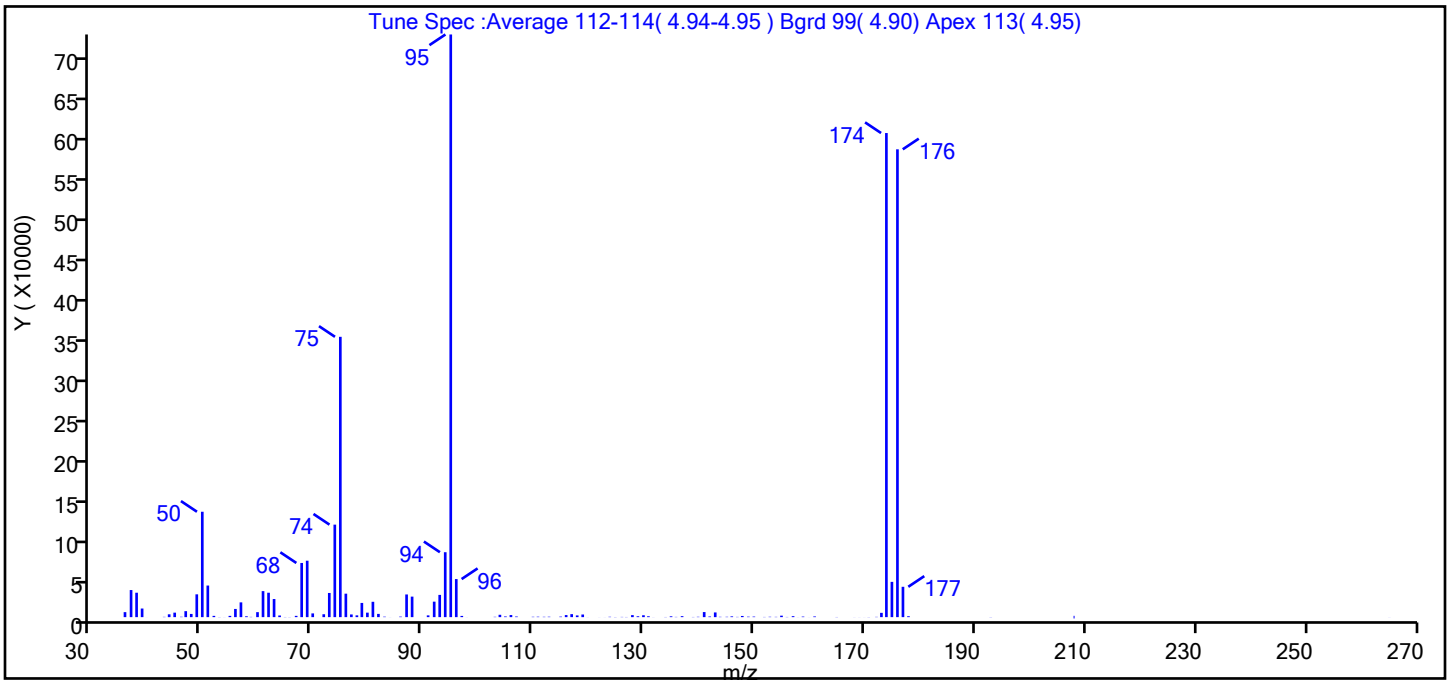
MSV_V_BFB_00019 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04T01.D
Injection Date: 04-Jun-2025 16:26:30 Instrument ID: 10193
Lims ID: BFB
Client ID:
Operator ID: knk41612 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 168 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.1
75	30 to 60% of m/z 95	48.1
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.7 (0.9)
174	50 to 120% of m/z 95	83.1
175	5 to 9% of m/z 174	6.1 (7.3)
176	Greater than 95% but less than 101% of m/z 174	80.3 (96.6)
177	5 to 9% of m/z 176	5.2 (6.5)

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04T01.D\MSV_10193_25mL.rslt\spectra.d
Injection Date: 04-Jun-2025 16:26:30
Spectrum: Tune Spec :Average 112-114(4.94-4.95) Bgrd 99(4.90) Apex 113(4.95)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 125

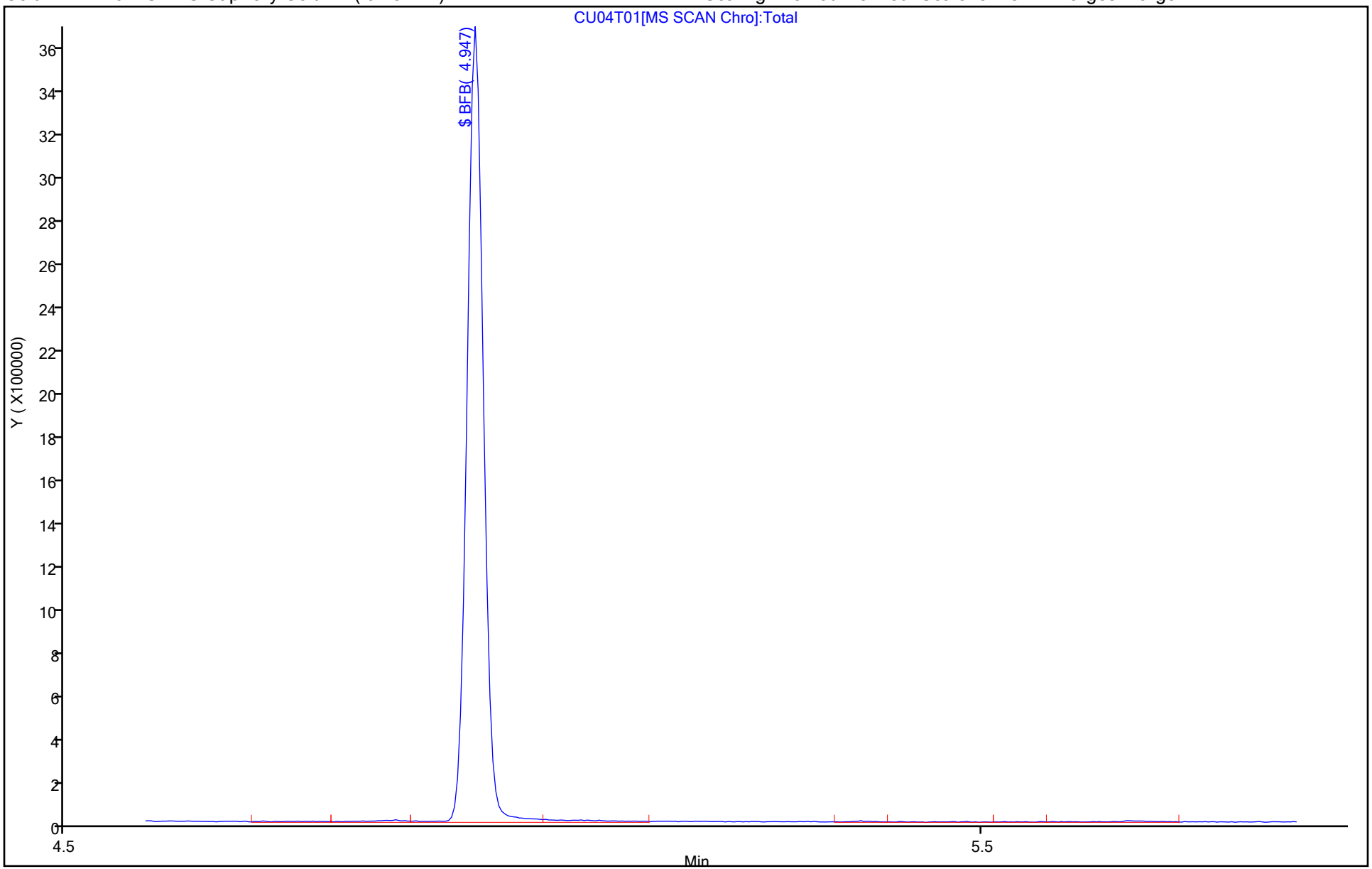
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	6200	70.00	4640	111.00	553	147.00	299
37.00	33552	71.00	13	112.00	420	148.00	1457
38.00	30240	72.00	3599	113.00	521	149.00	578
39.00	10674	73.00	29928	115.00	641	150.00	677
40.00	33	74.00	114552	116.00	2552	152.00	246
43.00	340	75.00	347136	117.00	3717	153.00	461
44.00	3512	76.00	29064	118.00	2131	154.00	351
45.00	5565	77.00	3332	119.00	3269	155.00	1829
46.00	458	78.00	2218	120.00	56	156.00	231
47.00	7407	79.00	17592	122.00	58	157.00	1201
48.00	3974	80.00	5565	123.00	53	158.00	63
49.00	28248	81.00	19008	124.00	440	159.00	677
50.00	130512	82.00	4028	125.00	179	160.00	52
51.00	39128	83.00	568	126.00	284	161.00	851
52.00	1578	84.00	62	127.00	206	165.00	195
53.00	159	86.00	647	128.00	2499	168.00	70
54.00	65	87.00	28088	129.00	1064	169.00	64
55.00	1562	88.00	25416	130.00	2336	170.00	51
56.00	10153	91.00	2191	131.00	1062	171.00	145
57.00	18296	92.00	19184	132.00	76	172.00	337
58.00	1061	93.00	27552	134.00	203	173.00	5327
59.00	303	94.00	80408	135.00	1026	174.00	599488
60.00	6175	95.00	721536	136.00	289	175.00	43680
61.00	32216	96.00	47152	137.00	1201	176.00	579328
62.00	30232	97.00	1526	139.00	221	177.00	37584
63.00	22432	98.00	50	140.00	436	178.00	1104
64.00	2039	103.00	398	141.00	6286	193.00	168
65.00	190	104.00	2921	142.00	777	208.00	2
66.00	151	105.00	851	143.00	5822	265.00	66
67.00	1591	106.00	2589	144.00	404		
68.00	67088	107.00	759	145.00	433		
69.00	69872	110.00	451	146.00	935		

Report Date: 05-Jun-2025 11:38:29 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04T01.D				
Injection Date:	04-Jun-2025 16:26:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 06-Aug-2025 09:52:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0155688-001
Misc. Info.: BFB
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 17:01:28 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1668

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 168 BFB	95	4.944	4.944	0.000	90	271292	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

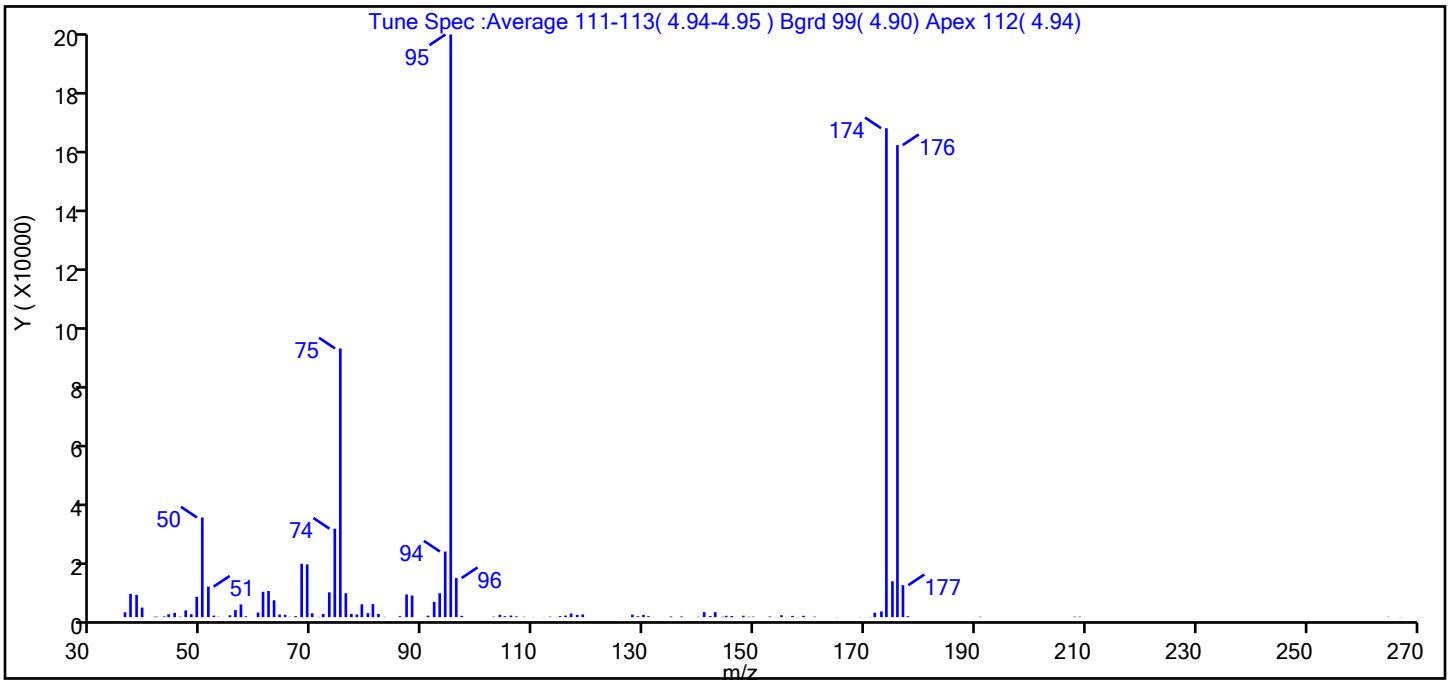
MSV_V_BFB_00019 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06T01.D
Injection Date: 06-Aug-2025 09:52:30 Instrument ID: 10193
Lims ID: BFB
Client ID:
Operator ID: ecr105096 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 168 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.1
75	30 to 60% of m/z 95	46.1
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	1.0 (1.2)
174	50 to 120% of m/z 95	83.9
175	5 to 9% of m/z 174	6.2 (7.3)
176	Greater than 95% but less than 101% of m/z 174	81.0 (96.6)
177	5 to 9% of m/z 176	5.5 (6.8)

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06T01.D\MSV_10193_25mL.rslt\spectra.d
Injection Date: 06-Aug-2025 09:52:30
Spectrum: Tune Spec :Average 111-113(4.94-4.95) Bgrd 99(4.90) Apex 112(4.94)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 112

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1588	66.00	88	103.00	151	146.00	385
37.00	7607	67.00	324	104.00	781	147.00	28
38.00	7280	68.00	17408	105.00	321	148.00	464
39.00	3127	69.00	17216	106.00	516	149.00	149
41.00	142	70.00	1257	107.00	255	150.00	159
42.00	134	71.00	81	108.00	120	153.00	226
43.00	236	72.00	1022	110.00	57	154.00	61
44.00	955	73.00	8105	112.00	65	155.00	615
45.00	1400	74.00	28864	113.00	155	156.00	50
46.00	163	75.00	87688	114.00	62	157.00	400
47.00	2210	76.00	7801	115.00	327	158.00	50
48.00	946	77.00	1068	116.00	517	159.00	439
49.00	6635	78.00	846	117.00	1176	161.00	169
50.00	32520	79.00	4190	118.00	730	165.00	61
51.00	9965	80.00	1306	119.00	876	169.00	62
52.00	501	81.00	4260	126.00	50	171.00	76
53.00	114	82.00	1045	128.00	808	172.00	1459
54.00	50	83.00	98	129.00	304	173.00	1853
55.00	611	86.00	305	130.00	740	174.00	159552
56.00	2309	87.00	7403	131.00	299	175.00	11702
57.00	4140	88.00	7049	135.00	221	176.00	154048
58.00	281	91.00	477	137.00	229	177.00	10427
60.00	1505	92.00	4953	140.00	118	178.00	303
61.00	8271	93.00	7792	141.00	1624	191.00	129
62.00	8529	94.00	21416	142.00	346	208.00	166
63.00	5510	95.00	190144	143.00	1635	209.00	154
64.00	846	96.00	12752	144.00	147	265.00	121
65.00	769	97.00	434	145.00	444	267.00	61

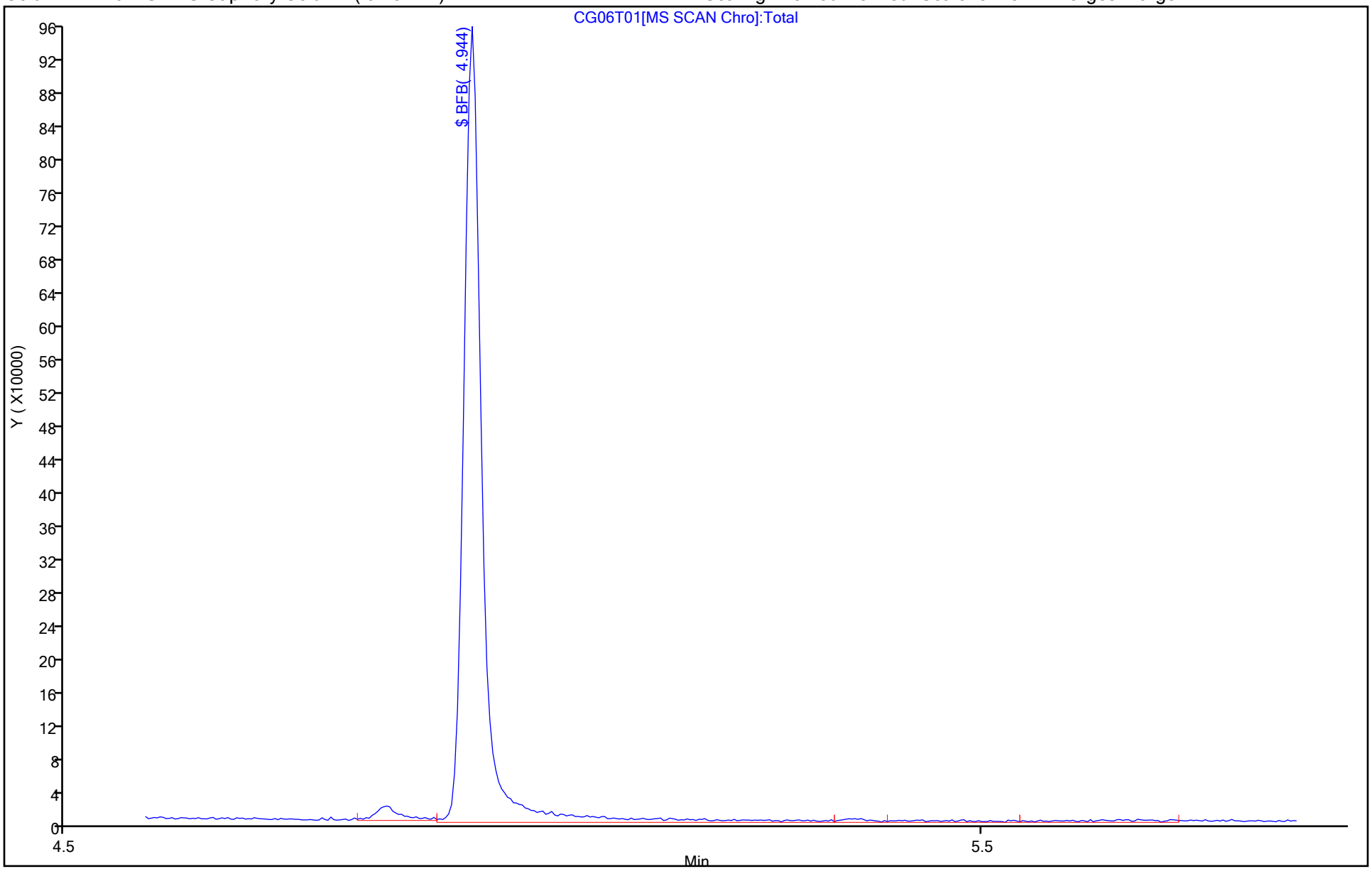
Report Date: 06-Aug-2025 17:01:28 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06T01.D

Injection Date:	06-Aug-2025 09:52:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-681517/8

Matrix: Water
Lab File ID: CG06X07.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 12:21

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.00	0.300
71-55-6	1,1,1-Trichloroethane	ND		1.00	0.300
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.00	0.300
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.00	0.400
79-00-5	1,1,2-Trichloroethane	ND		1.00	0.300
75-34-3	1,1-Dichloroethane	ND		1.00	0.300
75-35-4	1,1-Dichloroethene	ND		1.00	0.300
96-18-4	1,2,3-Trichloropropane	ND		1.00	0.300
120-82-1	1,2,4-Trichlorobenzene	ND		1.00	0.600
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.00	0.400
106-93-4	1,2-Dibromoethane	ND		1.00	0.300
95-50-1	1,2-Dichlorobenzene	ND		1.00	0.400
107-06-2	1,2-Dichloroethane	ND		1.00	0.300
78-87-5	1,2-Dichloropropane	ND		1.00	0.400
541-73-1	1,3-Dichlorobenzene	ND		1.00	0.400
142-28-9	1,3-Dichloropropane	ND		1.00	0.400
106-46-7	1,4-Dichlorobenzene	ND		1.00	0.400
123-91-1	1,4-Dioxane	ND		200	45.5
78-93-3	2-Butanone	ND		10.0	1.70
591-78-6	2-Hexanone	ND		10.0	2.00
108-10-1	4-Methyl-2-pentanone	ND		10.0	2.00
67-64-1	Acetone	ND		10.0	2.00
75-05-8	Acetonitrile	ND		100	31.6
107-13-1	Acrylonitrile	ND		10.0	1.10
107-05-1	Allyl chloride	ND		10.0	1.00
71-43-2	Benzene	ND		1.00	0.300
75-27-4	Bromodichloromethane	ND		1.00	0.300
75-25-2	Bromoform	ND		1.00	0.400
74-83-9	Bromomethane	ND		1.00	0.542
75-15-0	Carbon disulfide	ND		10.0	0.400
56-23-5	Carbon tetrachloride	ND		1.00	0.300

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-681517/8

Matrix: Water
Lab File ID: CG06X07.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 12:21

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-00-3	Chloroethane	ND		1.00	0.100
67-66-3	Chloroform	ND		1.00	0.300
74-87-3	Chloromethane	ND		1.00	0.100
126-99-8	Chloroprene	ND		10.0	0.460
124-48-1	Dibromochloromethane	ND		1.00	0.400
74-95-3	Dibromomethane	ND		1.00	0.300
75-71-8	Dichlorodifluoromethane	ND		1.00	0.400
60-29-7	Diethyl ether	ND		10.0	1.11
97-63-2	Ethyl methacrylate	ND		10.0	0.810
100-41-4	Ethylbenzene	ND		1.00	0.300
87-68-3	Hexachlorobutadiene	ND		1.00	0.400
78-83-1	Isobutyl alcohol	ND		200	11.6
179601-23-1	m&p-Xylene	ND		2.00	0.400
126-98-7	Methacrylonitrile	ND		100	9.75
74-88-4	Methyl iodide	ND		10.0	0.580
80-62-6	Methyl methacrylate	ND		10.0	3.58
75-09-2	Methylene Chloride	ND		1.00	0.700
91-20-3	Naphthalene	ND		1.00	0.400
95-47-6	o-Xylene	ND		1.00	0.400
76-01-7	Pentachloroethane	ND		10.0	1.70
107-12-0	Propionitrile	ND		100	10.2
100-42-5	Styrene	ND		1.00	0.300
127-18-4	Tetrachloroethene	ND		1.00	0.300
109-99-9	Tetrahydrofuran	ND		25.0	2.00
108-88-3	Toluene	ND		1.00	0.300
156-60-5	trans-1,2-Dichloroethene	ND		1.00	0.300
10061-02-6	trans-1,3-Dichloropropene	ND		1.00	0.400
79-01-6	Trichloroethene	ND		1.00	0.300
75-69-4	Trichlorofluoromethane	ND		1.00	0.400
108-05-4	Vinyl acetate	ND		10.0	3.29
75-01-4	Vinyl chloride	ND		1.00	0.200
1330-20-7	Xylenes, Total	ND		3.00	0.400

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-681517/8

Matrix: Water Lab File ID: CG06X07.D

Analysis Method: 8260D Date Collected:

Sample wt/vol: 25(mL) Date Analyzed: 08/06/2025 12:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 681517 Units: ug/L

Preparation Batch No.: Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
115-10-6	Dimethyl ether	ND		0.500	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	91		80-120
1868-53-7	Dibromofluoromethane (Surr)	109		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		80-120
2037-26-5	Toluene-d8 (Surr)	92		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X07.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 06-Aug-2025 12:21:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-008
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 17:01:47 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: N7YK Date: 06-Aug-2025 12:46:29

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.720					ND	
2	Dichlorodifluoromethane	85		1.750					ND	
3	Chlorodifluoromethane	51		1.768					ND	U
4	Dimethyl ether	45		1.805					ND	7
5	Chloromethane	50		1.927					ND	
7	Butadiene	39		2.012					ND	7
6	Vinyl chloride	62		2.031					ND	
8	2-Chloro-1,1,1-Trifluoroethane	118		2.079					ND	
9	Bromomethane	94		2.329					ND	7
10	Chloroethane	64		2.360					ND	
11	Dichlorofluoromethane	67		2.567					ND	
13	Pentane	43		2.628					ND	U
12	Trichlorofluoromethane	101		2.658					ND	
14	Ethyl ether	59		2.805					ND	
16	1,2-Dichloro-1,1,2-trifluoroetha	67		2.908					ND	
17	Acrolein	56		2.957					ND	7
18	1,1-Dichloroethene	96		3.073					ND	
20	Acetone	43		3.097					ND	7
21	1,1,2-Trichloro-1,2,2-trifluoroe	101		3.128					ND	
22	Iodomethane	142		3.238					ND	
24	Isopropyl alcohol	45		3.244					ND	U
23	Ethyl bromide	108		3.262					ND	
25	Carbon disulfide	76		3.329					ND	7
27	Acetonitrile	41		3.451					ND	
26	Methyl acetate	43		3.457					ND	7
29	3-Chloro-1-propene	41		3.475					ND	
30	Methylene Chloride	84		3.640					ND	
* 31	t-Butyl alcohol-d10 (IS)	65	3.664	3.640	0.024	95	124331	50.0	50.0	
32	2-Methyl-2-propanol	59		3.756					ND	
33	Acrylonitrile	53		3.939					ND	
35	trans-1,2-Dichloroethene	96		3.987					ND	
34	Methyl tert-butyl ether	73		3.994					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Hexane	57		4.390					ND	
37 1,1-Dichloroethane	63		4.634					ND	
38 Vinyl acetate	43		4.640					ND	
39 Isopropyl ether	45		4.701					ND	
40 2-Chloro-1,3-butadiene	53		4.743					ND	
41 Tert-butyl ethyl ether	59		5.249					ND	
42 2-Butanone (MEK)	43		5.463					ND	7
43 cis-1,2-Dichloroethene	96		5.487					ND	
44 2,2-Dichloropropane	77		5.505					ND	7
46 Ethyl acetate	43		5.554					ND	7
45 Propionitrile	54		5.554					ND	
47 Methacrylonitrile	67		5.780					ND	
48 Chlorobromomethane	128		5.829					ND	
49 Tetrahydrofuran	71		5.835					ND	
50 Chloroform	83		5.993					ND	
51 Methyl acrylate	55		6.013					ND	
S 52 1,2-Dichloroethene, Total	100		6.155					ND	7
53 1,1,1-Trichloroethane	97		6.213					ND	
$ 54 Dibromofluoromethane (Surr)	113	6.219	6.213	0.006	94	435642	10.0	10.9	
55 Cyclohexane	56		6.304					ND	
56 Carbon tetrachloride	117		6.426					ND	
57 1,1-Dichloropropene	75		6.432					ND	
58 Isobutyl alcohol	41		6.639					ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.682	6.676	0.006	98	87391	10.0	10.6	
60 Benzene	78		6.700					ND	
61 1,2-Dichloroethane	62		6.780					ND	
62 1-Chlorobutane	56		6.781					ND	
63 Isopropyl acetate	43		6.828					ND	
64 Tert-amyl methyl ether	73		6.914					ND	
* 65 Fluorobenzene (IS)	96	7.127	7.127	0.000	99	1695685	10.0	10.0	
66 n-Heptane	43		7.145					ND	7
67 n-Butanol	56		7.554					ND	
68 Trichloroethene	95		7.615					ND	
69 Methylcyclohexane	83		7.926					ND	
70 1,2-Dichloropropane	63		7.956					ND	
71 2-ethoxy-2-methyl butane	87		7.987					ND	
74 1,4-Dioxane	88		8.066					ND	
72 Dibromomethane	93		8.072					ND	
73 Methyl methacrylate	69		8.072					ND	
75 n-Propyl acetate	61		8.170					ND	
76 Dichlorobromomethane	83		8.316					ND	
77 2-Nitropropane	41		8.609					ND	
78 1-Bromo-2-chloroethane	63		8.712					ND	
79 2-Chloroethyl vinyl ether	63		8.724					ND	
80 cis-1,3-Dichloropropene	75		8.895					ND	
81 Chloroacetonitrile	75		9.067					ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.102					ND	
$ 83 Toluene-d8 (Surr)	98	9.236	9.230	0.006	93	1711581	10.0	9.23	
84 Toluene	92		9.316					ND	
85 trans-1,3-Dichloropropene	75		9.614					ND	
86 Ethyl methacrylate	69		9.700					ND	
87 1,1,2-Trichloroethane	97		9.834					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166		9.913					ND	
89 1,3-Dichloropropane	76		10.005					ND	
S 107 1,3-Dichloropropene, Total	100		10.060					ND	7
106 2-Hexanone	43		10.078					ND	
109 n-Butyl acetate	43		10.224					ND	
108 Chlorodibromomethane	129		10.230					ND	
110 Ethylene Dibromide	107		10.340					ND	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1411558	10.0	10.0	
112 1-Chlorohexane	91		10.828					ND	7
113 Chlorobenzene	112		10.834					ND	7
114 1,1,1,2-Tetrachloroethane	131		10.925					ND	
115 Ethylbenzene	91		10.925					ND	
116 m-Xylene & p-Xylene	106		11.053					ND	
S 117 Xylenes, Total	106		11.245					ND	7
118 o-Xylene	106		11.395					ND	
119 Styrene	104		11.413					ND	
120 Bromoform	173		11.565					ND	
121 Isopropylbenzene	105		11.712					ND	
122 cis-1,4-Dichloro-2-butene	88		11.772					ND	
123 Cyclohexanone	55		11.797					ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	93	640292	10.0	9.15	
125 Bromobenzene	156		11.968					ND	
126 1,1,2,2-Tetrachloroethane	83		11.968					ND	
127 trans-1,4-Dichloro-2-butene	53		11.998					ND	
128 1,2,3-Trichloropropane	110		12.010					ND	
129 N-Propylbenzene	91		12.053					ND	
130 2-Chlorotoluene	126		12.126					ND	
131 1,3,5-Trimethylbenzene	105		12.193					ND	
132 4-Chlorotoluene	126		12.224					ND	
133 tert-Butylbenzene	134		12.443					ND	
134 Pentachloroethane	167		12.468					ND	
135 1,2,4-Trimethylbenzene	105		12.486					ND	
136 sec-Butylbenzene	105		12.608					ND	
137 1,3-Dichlorobenzene	146		12.705					ND	
138 4-Isopropyltoluene	119		12.724					ND	7
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	753123	10.0	10.0	
140 1,4-Dichlorobenzene	146		12.778					ND	7
141 1,2,3-Trimethylbenzene	120		12.797					ND	7
142 Benzyl chloride	126		12.864					ND	
145 p-Diethylbenzene	119		12.998					ND	
143 n-Butylbenzene	92		13.022					ND	
144 1,2-Dichlorobenzene	146		13.047					ND	
147 Hexachloroethane	117		13.444					ND	
148 1,2-Dibromo-3-Chloropropane	155		13.601					ND	
149 1,3,5-Trichlorobenzene	180		13.729					ND	
150 1,2,4-Trichlorobenzene	180		14.162					ND	7
151 Hexachlorobutadiene	225		14.248					ND	
152 Naphthalene	128		14.345					ND	7
153 1,2,3-Trichlorobenzene	180		14.485					ND	7
154 2-Methylnaphthalene	142		15.101					ND	
155 Dodecane	57		0.000					ND	
253 Dimethylformamide TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
252 1,1,1,2-Tetrafluoroethane TIC	1		0.000					ND	
251 sec-Butyl Alcohol TIC	1		0.000					ND	
250 C4-C12	1		0.000					ND	
249 C5-C12	1		0.000					ND	
248 C7-C12	1		0.000					ND	
247 C6-C10	1		0.000					ND	
246 C6-C12	1		0.000					ND	
245 C4-C10	1		0.000					ND	
254 3-Pentanone TIC	1		0.000					ND	
244 1,1-Dichloro-1-fluoroethane TIC	1		0.000					ND	
165 n-Decane	57		0.000					ND	
164 Ethanol	45		0.000					ND	
163 t-Amyl alcohol	1		0.000					ND	
162 Propene oxide	1		0.000					ND	
161 Methylal	1		0.000					ND	
160 1,1-Dichloroacetone	1		0.000					ND	
159 1-Chloropropane	1		0.000					ND	
158 2-Bromo-1-chloropropane	1		0.000					ND	
157 tert-Butyl Formate	1		0.000					ND	
156 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
166 1-Bromo-3-Chloropropane	1		0.000					ND	
255 Isooctane TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP25_ISSS_00117 Amount Added: 1.00 Units: uL Run Reagent

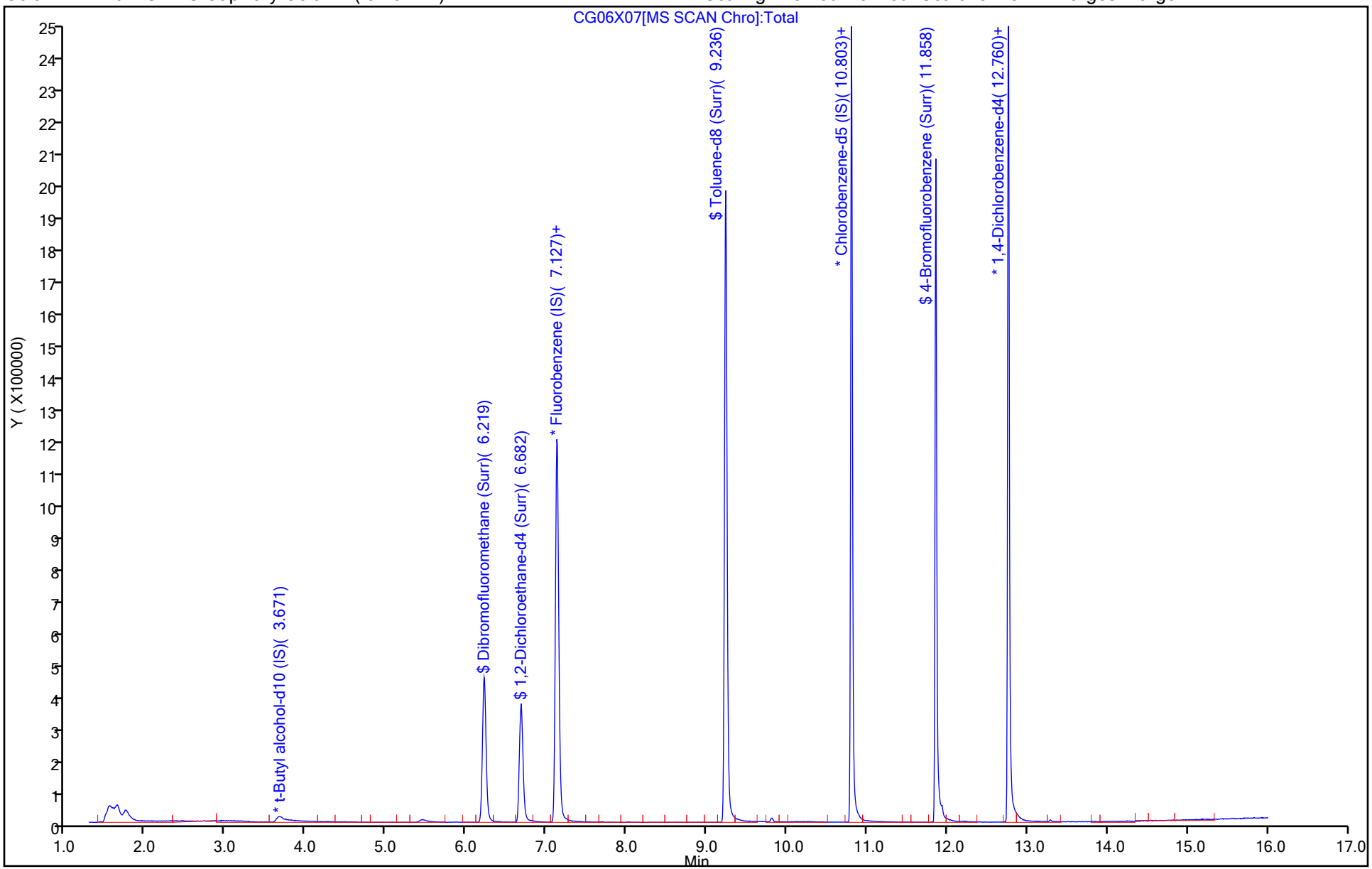
Report Date: 06-Aug-2025 17:02:27 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X07.D

Injection Date:	06-Aug-2025 12:21:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X07.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	06-Aug-2025 12:21:30	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-008				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	06-Aug-2025 17:01:47	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1668				

First Level Reviewer: N7YK Date: 06-Aug-2025 12:46:29

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	10.9	108.87
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.6	105.83
$ 83 Toluene-d8 (Surr)	10.0	9.23	92.32
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.15	91.46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-681517/5

Matrix: Water
Lab File ID: CG06X04.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 11:14

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	4.878		1.00	0.300
71-55-6	1,1,1-Trichloroethane	4.968		1.00	0.300
79-34-5	1,1,2,2-Tetrachloroethane	4.360		1.00	0.300
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4.888		1.00	0.400
79-00-5	1,1,2-Trichloroethane	4.546		1.00	0.300
75-34-3	1,1-Dichloroethane	5.083		1.00	0.300
75-35-4	1,1-Dichloroethene	5.068		1.00	0.300
96-18-4	1,2,3-Trichloropropane	4.514		1.00	0.300
120-82-1	1,2,4-Trichlorobenzene	4.341		1.00	0.600
96-12-8	1,2-Dibromo-3-Chloropropane	4.142		1.00	0.400
106-93-4	1,2-Dibromoethane	4.489		1.00	0.300
95-50-1	1,2-Dichlorobenzene	4.593		1.00	0.400
107-06-2	1,2-Dichloroethane	4.627		1.00	0.300
78-87-5	1,2-Dichloropropane	4.985		1.00	0.400
541-73-1	1,3-Dichlorobenzene	4.538		1.00	0.400
142-28-9	1,3-Dichloropropane	4.458		1.00	0.400
106-46-7	1,4-Dichlorobenzene	4.522		1.00	0.400
123-91-1	1,4-Dioxane	118.8	J	200	45.5
78-93-3	2-Butanone	66.72		10.0	1.70
591-78-6	2-Hexanone	65.71		10.0	2.00
108-10-1	4-Methyl-2-pentanone	65.91		10.0	2.00
67-64-1	Acetone	61.41		10.0	2.00
107-13-1	Acrylonitrile	25.38		10.0	1.10
107-05-1	Allyl chloride	5.033	J	10.0	1.00
71-43-2	Benzene	4.921		1.00	0.300
75-27-4	Bromodichloromethane	4.898		1.00	0.300
75-25-2	Bromoform	4.892		1.00	0.400
74-83-9	Bromomethane	5.600		1.00	0.542
75-15-0	Carbon disulfide	4.976	J	10.0	0.400
56-23-5	Carbon tetrachloride	5.091		1.00	0.300
75-00-3	Chloroethane	5.560		1.00	0.100

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-681517/5

Matrix: Water
Lab File ID: CG06X04.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 11:14

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	4.913		1.00	0.300
74-87-3	Chloromethane	4.513		1.00	0.100
126-99-8	Chloroprene	4.584	J	10.0	0.460
124-48-1	Dibromochloromethane	4.658		1.00	0.400
74-95-3	Dibromomethane	4.857		1.00	0.300
75-71-8	Dichlorodifluoromethane	4.565		1.00	0.400
60-29-7	Diethyl ether	4.675	J	10.0	1.11
97-63-2	Ethyl methacrylate	3.875	J	10.0	0.810
100-41-4	Ethylbenzene	4.535		1.00	0.300
87-68-3	Hexachlorobutadiene	4.686		1.00	0.400
78-83-1	Isobutyl alcohol	124.9	J	200	11.6
179601-23-1	m&p-Xylene	9.285		2.00	0.400
126-98-7	Methacrylonitrile	40.03	J	100	9.75
74-88-4	Methyl iodide	4.820	J	10.0	0.580
80-62-6	Methyl methacrylate	4.650	J	10.0	3.58
75-09-2	Methylene Chloride	5.144		1.00	0.700
91-20-3	Naphthalene	4.131		1.00	0.400
95-47-6	o-Xylene	4.480		1.00	0.400
76-01-7	Pentachloroethane	4.865	J	10.0	1.70
107-12-0	Propionitrile	41.97	J	100	10.2
100-42-5	Styrene	4.626		1.00	0.300
127-18-4	Tetrachloroethene	4.648		1.00	0.300
109-99-9	Tetrahydrofuran	25.70		25.0	2.00
108-88-3	Toluene	4.550		1.00	0.300
156-60-5	trans-1,2-Dichloroethene	5.032		1.00	0.300
10061-02-6	trans-1,3-Dichloropropene	4.388		1.00	0.400
79-01-6	Trichloroethene	4.811		1.00	0.300
75-69-4	Trichlorofluoromethane	5.436		1.00	0.400
75-01-4	Vinyl chloride	4.722		1.00	0.200
1330-20-7	Xylenes, Total	13.77		3.00	0.400

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-681517/5

Matrix: Water Lab File ID: CG06X04.D

Analysis Method: 8260D Date Collected:

Sample wt/vol: 25(mL) Date Analyzed: 08/06/2025 11:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 681517 Units: ug/L

Preparation Batch No.: Instrument ID: 10193

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-120
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X04.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 06-Aug-2025 11:14:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-005
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 17:01:47 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: N7YK Date: 06-Aug-2025 12:44:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.750	1.750	0.000	100	276822	5.00	4.56	
5 Chloromethane	50	1.933	1.927	0.006	99	324669	5.00	4.51	
7 Butadiene	39	2.012	2.012	0.000	93	382644	5.00	4.62	
6 Vinyl chloride	62	2.031	2.031	0.000	98	300177	5.00	4.72	
9 Bromomethane	94	2.329	2.329	0.000	90	227568	5.00	5.60	
10 Chloroethane	64	2.360	2.360	0.000	99	200366	5.00	5.56	
11 Dichlorofluoromethane	67	2.567	2.567	0.000	98	555930	5.00	5.34	
13 Pentane	43	2.628	2.628	0.000	96	359837	5.00	5.15	
12 Trichlorofluoromethane	101	2.652	2.658	-0.006	97	437068	5.00	5.44	
14 Ethyl ether	59	2.805	2.805	0.000	94	179141	4.96	4.68	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.908	2.908	0.000	93	285765	5.00	5.08	
18 1,1-Dichloroethene	96	3.073	3.073	0.000	98	200914	5.00	5.07	
20 Acetone	43	3.103	3.097	0.006	99	419919	62.5	61.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.128	3.128	0.000	92	201256	5.00	4.89	
22 Iodomethane	142	3.238	3.238	0.000	99	388737	5.00	4.82	
24 Isopropyl alcohol	45	3.250	3.244	0.006	43	41186	37.5	31.7	
25 Carbon disulfide	76	3.329	3.329	0.000	99	726869	5.00	4.98	M
26 Methyl acetate	43	3.451	3.457	-0.006	98	100319	5.00	5.45	M
29 3-Chloro-1-propene	41	3.475	3.475	0.000	92	375620	5.00	5.03	
30 Methylene Chloride	84	3.640	3.640	0.000	92	246097	5.00	5.14	
* 31 t-Butyl alcohol-d10 (IS)	65	3.646	3.640	0.006	42	144557	50.0	50.0	
32 2-Methyl-2-propanol	59	3.756	3.756	0.000	97	91509	50.0	42.6	
33 Acrylonitrile	53	3.945	3.939	0.006	99	254553	25.0	25.4	
35 trans-1,2-Dichloroethene	96	3.994	3.987	0.007	99	246033	5.00	5.03	
34 Methyl tert-butyl ether	73	3.994	3.994	0.000	88	583685	5.00	4.31	
36 Hexane	57	4.390	4.390	0.000	95	310612	5.00	4.67	
37 1,1-Dichloroethane	63	4.628	4.634	-0.006	97	452561	5.00	5.08	
39 Isopropyl ether	45	4.701	4.701	0.000	95	786973	5.00	4.78	
40 2-Chloro-1,3-butadiene	53	4.750	4.743	0.007	91	360077	5.00	4.58	
41 Tert-butyl ethyl ether	59	5.249	5.249	0.000	97	682637	5.00	4.21	
42 2-Butanone (MEK)	43	5.463	5.463	0.000	100	875700	62.5	66.7	
43 cis-1,2-Dichloroethene	96	5.487	5.487	0.000	82	273953	5.00	4.86	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 2,2-Dichloropropane	77	5.499	5.505	-0.006	88	357399	5.00	5.11	
45 Propionitrile	54	5.566	5.554	0.012	97	148636	37.5	42.0	
47 Methacrylonitrile	67	5.780	5.780	0.000	93	509027	37.5	40.0	
48 Chlorobromomethane	128	5.829	5.829	0.000	95	124789	5.00	4.96	
49 Tetrahydrofuran	71	5.841	5.835	0.006	78	95937	25.0	25.7	
50 Chloroform	83	5.993	5.993	0.000	94	444169	5.00	4.91	
53 1,1,1-Trichloroethane	97	6.213	6.213	0.000	73	393373	5.00	4.97	
$ 54 Dibromofluoromethane (Surr)	113	6.213	6.213	0.000	94	464090	10.0	10.6	
55 Cyclohexane	56	6.310	6.304	0.006	92	394519	5.00	4.69	
56 Carbon tetrachloride	117	6.426	6.426	0.000	91	343444	5.00	5.09	
57 1,1-Dichloropropene	75	6.432	6.432	0.000	95	332038	5.00	4.67	
58 Isobutyl alcohol	41	6.639	6.639	0.000	89	109275	125.0	124.9	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.670	6.676	-0.006	99	97238	10.0	10.7	
60 Benzene	78	6.700	6.700	0.000	97	1042517	5.00	4.92	
61 1,2-Dichloroethane	62	6.780	6.780	0.000	97	268081	5.00	4.63	
64 Tert-amyl methyl ether	73	6.914	6.914	0.000	98	646937	5.00	4.46	
* 65 Fluorobenzene (IS)	96	7.121	7.127	-0.006	98	1862652	10.0	10.0	
66 n-Heptane	43	7.145	7.145	0.000	93	352818	5.00	5.38	
67 n-Butanol	56	7.566	7.554	0.012	92	186176	250.0	225.9	
68 Trichloroethene	95	7.615	7.615	0.000	98	269694	5.00	4.81	
69 Methylcyclohexane	83	7.926	7.926	0.000	93	407450	5.00	4.52	
70 1,2-Dichloropropane	63	7.956	7.956	0.000	97	270277	5.00	4.99	
71 2-ethoxy-2-methyl butane	87	7.981	7.987	-0.006	93	384993	5.00	4.53	
74 1,4-Dioxane	88	8.060	8.066	-0.006	31	24173	125.0	118.8	M
72 Dibromomethane	93	8.066	8.072	-0.006	95	130213	5.00	4.86	
73 Methyl methacrylate	69	8.072	8.072	0.000	93	121757	5.00	4.65	
76 Dichlorobromomethane	83	8.322	8.316	0.006	100	323581	5.00	4.90	
77 2-Nitropropane	41	8.609	8.609	0.000	98	34452	5.00	4.07	
78 1-Bromo-2-chloroethane	63	8.712	8.712	0.000	99	288232	5.00	5.43	
80 cis-1,3-Dichloropropene	75	8.895	8.895	0.000	96	358828	5.00	4.41	
82 4-Methyl-2-pentanone (MIBK)	43	9.102	9.102	0.000	97	2294749	62.5	65.9	
$ 83 Toluene-d8 (Surr)	98	9.230	9.230	0.000	93	1924814	10.0	9.65	
84 Toluene	92	9.316	9.316	0.000	98	671092	5.00	4.55	
85 trans-1,3-Dichloropropene	75	9.614	9.614	0.000	93	327358	5.00	4.39	
86 Ethyl methacrylate	69	9.700	9.700	0.000	90	250476	5.00	3.87	
87 1,1,2-Trichloroethane	97	9.834	9.834	0.000	90	192384	5.00	4.55	
88 Tetrachloroethene	166	9.913	9.913	0.000	98	318262	5.00	4.65	
89 1,3-Dichloropropane	76	10.005	10.005	0.000	92	319717	5.00	4.46	
106 2-Hexanone	43	10.078	10.078	0.000	97	1636992	62.5	65.7	
108 Chlorodibromomethane	129	10.230	10.230	0.000	90	240556	5.00	4.66	
110 Ethylene Dibromide	107	10.340	10.340	0.000	98	183992	5.00	4.49	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1518957	10.0	10.0	
112 1-Chlorohexane	91	10.828	10.828	0.000	92	354456	5.00	4.28	
113 Chlorobenzene	112	10.828	10.834	-0.006	95	776683	5.00	4.60	
114 1,1,1,2-Tetrachloroethane	131	10.919	10.925	-0.006	95	280270	5.00	4.88	
115 Ethylbenzene	91	10.925	10.925	0.000	98	1330762	5.00	4.54	
116 m-Xylene & p-Xylene	106	11.053	11.053	0.000	97	1058181	10.0	9.28	
118 o-Xylene	106	11.395	11.395	0.000	96	503544	5.00	4.48	
119 Styrene	104	11.413	11.413	0.000	95	864995	5.00	4.63	
120 Bromoform	173	11.565	11.565	0.000	97	147122	5.00	4.89	
121 Isopropylbenzene	105	11.712	11.712	0.000	96	1315192	5.00	5.08	
$ 124 4-Bromofluorobenzene (Surr)	95	11.852	11.858	-0.006	92	760629	10.0	10.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
125 Bromobenzene	156	11.968	11.968	0.000	91	344852	5.00	4.41	
126 1,1,2,2-Tetrachloroethane	83	11.968	11.968	0.000	91	242872	5.00	4.36	
127 trans-1,4-Dichloro-2-butene	53	11.998	11.998	0.000	92	293518	25.0	22.0	
128 1,2,3-Trichloropropane	110	12.010	12.010	0.000	82	68933	5.00	4.51	
129 N-Propylbenzene	91	12.047	12.053	-0.006	99	1587245	5.00	4.36	
130 2-Chlorotoluene	126	12.120	12.126	-0.006	97	325074	5.00	4.35	
131 1,3,5-Trimethylbenzene	105	12.193	12.193	0.000	93	1166607	5.00	4.43	
132 4-Chlorotoluene	126	12.224	12.224	0.000	97	338474	5.00	4.36	
133 tert-Butylbenzene	134	12.437	12.443	-0.006	93	257276	5.00	4.26	
134 Pentachloroethane	167	12.468	12.468	0.000	93	225805	5.00	4.86	
135 1,2,4-Trimethylbenzene	105	12.486	12.486	0.000	97	1198989	5.00	4.43	
136 sec-Butylbenzene	105	12.608	12.608	0.000	94	1489279	5.00	4.43	
137 1,3-Dichlorobenzene	146	12.705	12.705	0.000	98	681257	5.00	4.54	
138 4-Isopropyltoluene	119	12.724	12.724	0.000	97	1277612	5.00	4.35	
* 139 1,4-Dichlorobenzene-d4	152	12.760	12.760	0.000	95	881832	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.778	12.778	0.000	96	708665	5.00	4.52	
141 1,2,3-Trimethylbenzene	120	12.797	12.797	0.000	98	536172	5.00	4.39	
142 Benzyl chloride	126	12.864	12.864	0.000	98	99695	5.00	5.10	
145 p-Diethylbenzene	119	12.998	12.998	0.000	94	812304	5.00	4.57	
143 n-Butylbenzene	92	13.022	13.022	0.000	97	636861	5.00	4.50	
144 1,2-Dichlorobenzene	146	13.047	13.047	0.000	99	629036	5.00	4.59	
148 1,2-Dibromo-3-Chloropropane	155	13.608	13.601	0.007	87	30809	5.00	4.14	
149 1,3,5-Trichlorobenzene	180	13.729	13.729	0.000	98	473050	5.00	4.50	
150 1,2,4-Trichlorobenzene	180	14.162	14.162	0.000	95	345090	5.00	4.34	
151 Hexachlorobutadiene	225	14.248	14.248	0.000	97	208300	5.00	4.69	
152 Naphthalene	128	14.345	14.345	0.000	97	536761	5.00	4.13	
153 1,2,3-Trichlorobenzene	180	14.492	14.485	0.007	96	270926	5.00	4.40	
154 2-Methylnaphthalene	142	15.101	15.101	0.000	92	134148	5.00	2.79	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00232	Amount Added:	12.50	Units: uL	
MSV_QC_Gas826_00273	Amount Added:	12.50	Units: uL	
MSV_LCS_EE_00011	Amount Added:	12.50	Units: uL	
MSV_LCS_Penta_00058	Amount Added:	12.50	Units: uL	
MSV_HP25_ISSS_00117	Amount Added:	1.00	Units: uL	Run Reagent

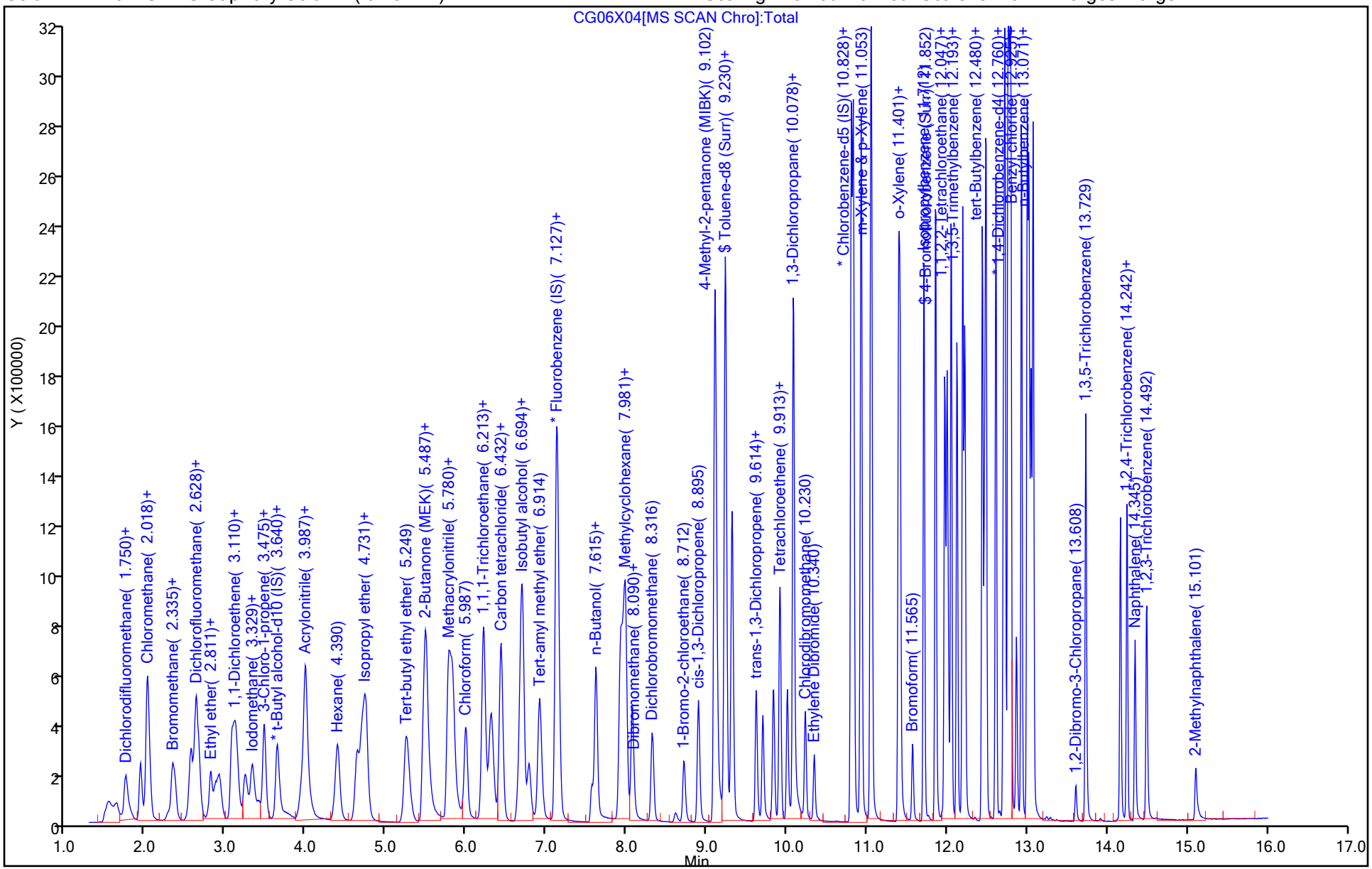
Report Date: 06-Aug-2025 17:01:51 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X04.D

Injection Date:	06-Aug-2025 11:14:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X04.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 06-Aug-2025 11:14:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-005
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 17:01:47 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: N7YK Date: 06-Aug-2025 12:44:02

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	10.6	105.58
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.7	107.20
$ 83 Toluene-d8 (Surr)	10.0	9.65	96.48
$ 124 4-Bromofluorobenzene (Surr)	10.0	10.1	100.97

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

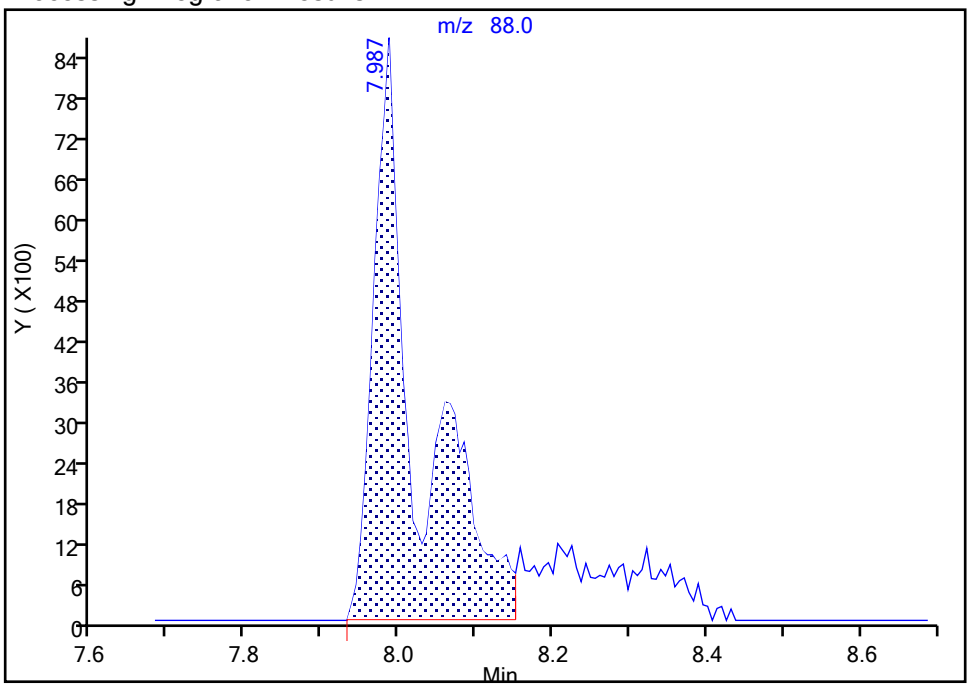
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X04.D				
Injection Date:	06-Aug-2025 11:14:30	Instrument ID:	10193		
Lims ID:	LCS				
Client ID:					
Operator ID:	ecr105096	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

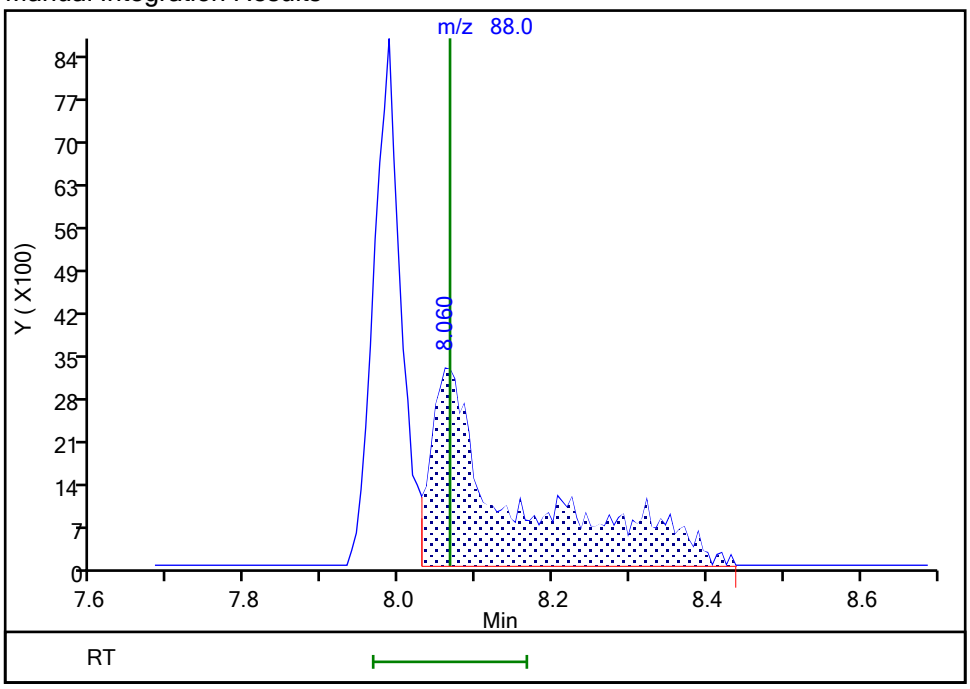
Processing Integration Results

RT: 7.99
Area: 34142
Amount: 167.8385
Amount Units: ug/l



Manual Integration Results

RT: 8.06
Area: 24173
Amount: 118.8319
Amount Units: ug/l



Reviewer: N7YK, 06-Aug-2025 12:43:38 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

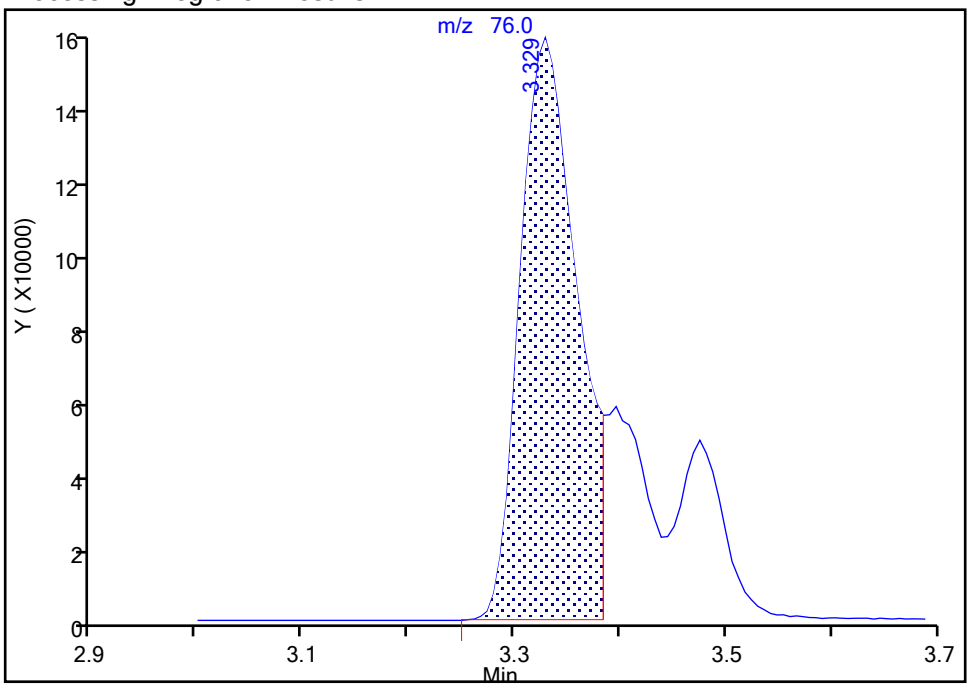
Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X04.D
Injection Date: 06-Aug-2025 11:14:30 Instrument ID: 10193
Lims ID: LCS
Client ID:
Operator ID: ecr105096 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

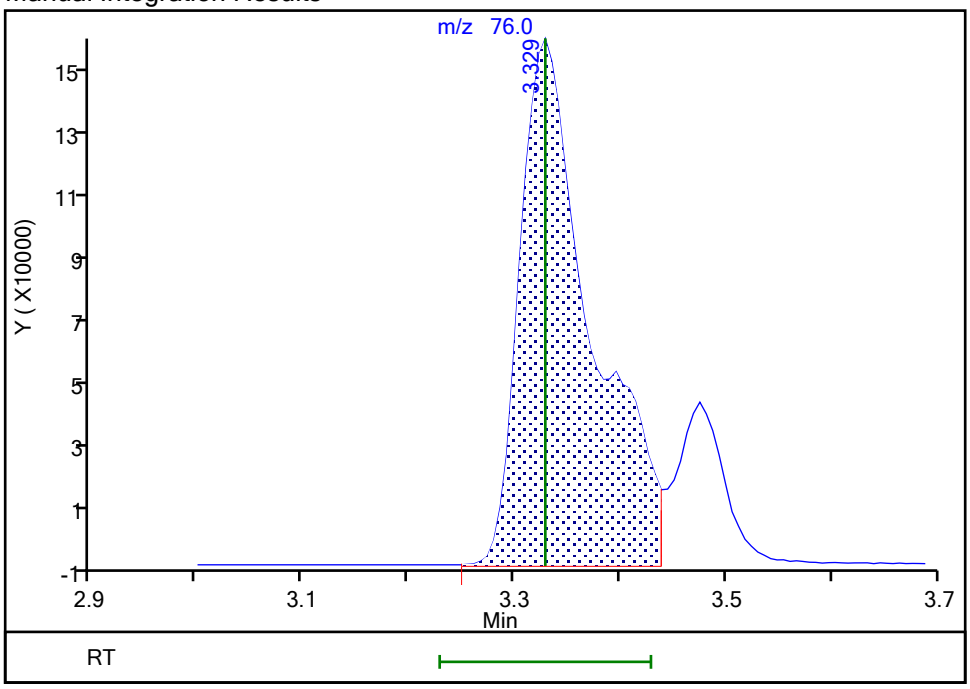
Processing Integration Results

RT: 3.33
Area: 584683
Amount: 4.002882
Amount Units: ug/l



Manual Integration Results

RT: 3.33
Area: 726869
Amount: 4.976322
Amount Units: ug/l



Reviewer: N7YK, 06-Aug-2025 12:42:59 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-681517/6

Matrix: Water
Lab File ID: CG06X05.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 11:36

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-05-8	Acetonitrile	ND		100	31.6
108-05-4	Vinyl acetate	14.88		10.0	3.29
115-10-6	Dimethyl ether	4.029		0.500	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		80-120
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X05.D
Lims ID: LCS Sm
Client ID:
Sample Type: LCS
Inject. Date: 06-Aug-2025 11:36:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-006
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 17:01:47 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: N7YK Date: 06-Aug-2025 12:44:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dimethyl ether	45	1.799	1.805	-0.006	99	323955	5.00	4.03	
27 Acetonitrile	41	3.433	3.451	-0.018	98	64934	18.8	20.1	
* 31 t-Butyl alcohol-d10 (IS)	65	3.646	3.640	0.006	96	127564	50.0	50.0	
38 Vinyl acetate	43	4.640	4.640	0.000	97	959912	12.5	14.9	
46 Ethyl acetate	43	5.554	5.554	0.000	99	78760	2.50	2.53	
$ 54 Dibromofluoromethane (Surr)	113	6.213	6.213	0.000	94	446452	10.0	10.6	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.682	6.676	0.006	99	92277	10.0	10.6	
63 Isopropyl acetate	43	6.828	6.828	0.000	99	163614	2.50	2.34	
* 65 Fluorobenzene (IS)	96	7.127	7.127	0.000	99	1786842	10.0	10.0	
75 n-Propyl acetate	61	8.170	8.170	0.000	98	30679	2.50	2.17	
$ 83 Toluene-d8 (Surr)	98	9.230	9.230	0.000	94	1818130	10.0	9.48	
109 n-Butyl acetate	43	10.224	10.224	0.000	97	121098	2.50	1.84	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	86	1460926	10.0	10.0	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	93	673242	10.0	9.29	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	766384	10.0	10.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_LCS_V5ACE_00055	Amount Added:	6.25	Units: uL	
MSV_DME_00072	Amount Added:	0.50	Units: uL	
MSV_HP25_ISSS_00117	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 06-Aug-2025 17:02:08 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X05.D

Injection Date: 06-Aug-2025 11:36:30 Instrument ID: 10193 Operator ID: ecr105096

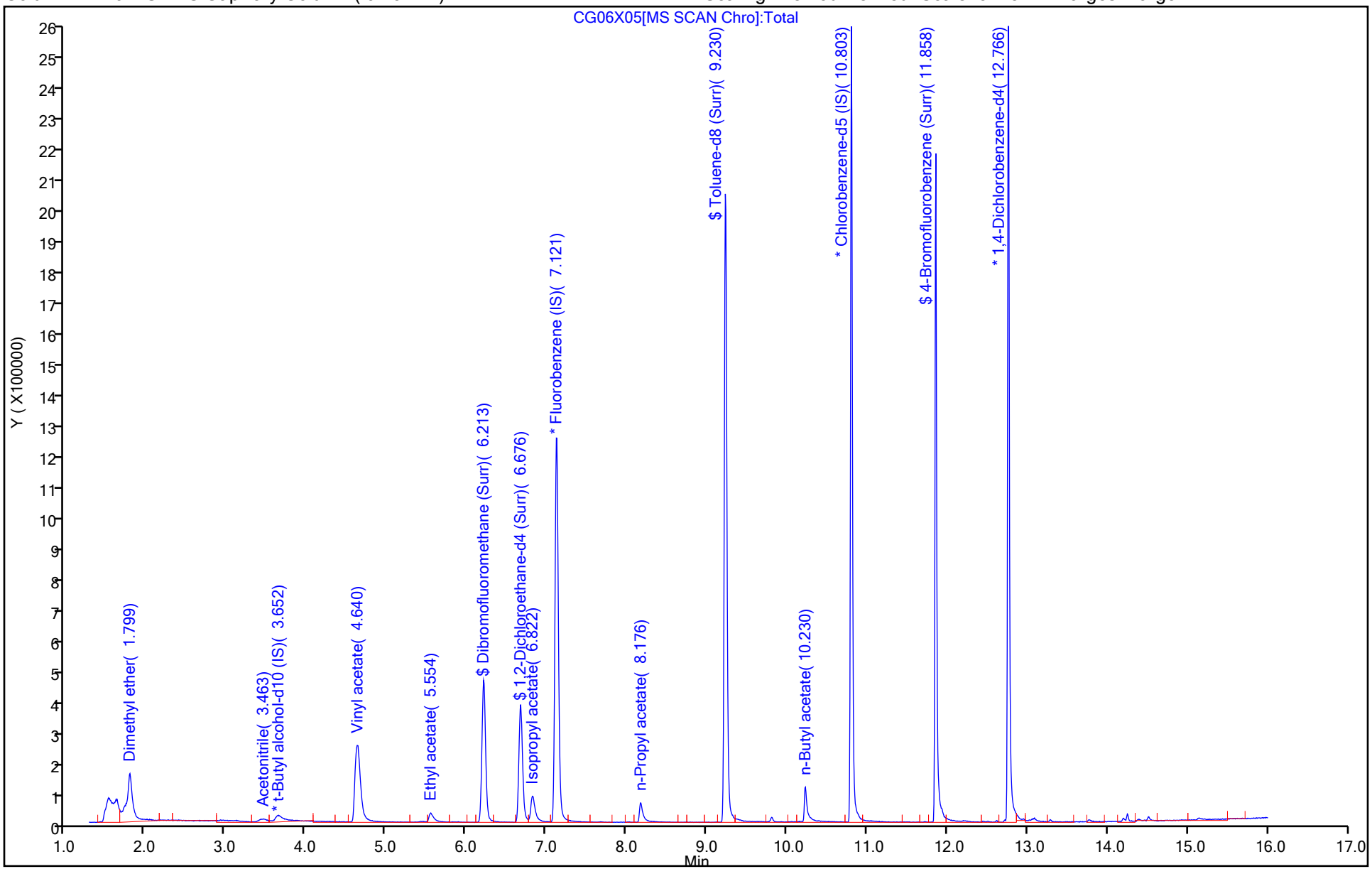
Lims ID: LCS Sm Worklist Smp#: 6

Client ID:

Purge Vol: 25.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X05.D				
Lims ID:	LCS Sm				
Client ID:					
Sample Type:	LCS				
Inject. Date:	06-Aug-2025 11:36:30	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-006				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	06-Aug-2025 17:01:47	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1668				

First Level Reviewer: N7YK Date: 06-Aug-2025 12:44:49

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	10.6	105.88
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.6	106.05
$ 83 Toluene-d8 (Surr)	10.0	9.48	94.75
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.29	92.92

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1AMS MS
Lab Sample ID: 410-234898-4 MS

Matrix: Water
Lab File ID: CG06X13.D

Analysis Method: 8260D
Date Collected: 07/30/2025 11:05

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 15:07

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	4.949		1.00	0.300
71-55-6	1,1,1-Trichloroethane	5.286		1.00	0.300
79-34-5	1,1,2,2-Tetrachloroethane	4.292		1.00	0.300
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.758		1.00	0.400
79-00-5	1,1,2-Trichloroethane	4.596		1.00	0.300
75-34-3	1,1-Dichloroethane	8.025		1.00	0.300
75-35-4	1,1-Dichloroethene	6.128		1.00	0.300
96-18-4	1,2,3-Trichloropropane	4.335		1.00	0.300
120-82-1	1,2,4-Trichlorobenzene	4.495		1.00	0.600
96-12-8	1,2-Dibromo-3-Chloropropane	4.072		1.00	0.400
106-93-4	1,2-Dibromoethane	4.485		1.00	0.300
95-50-1	1,2-Dichlorobenzene	4.727		1.00	0.400
107-06-2	1,2-Dichloroethane	4.825		1.00	0.300
78-87-5	1,2-Dichloropropane	5.058		1.00	0.400
541-73-1	1,3-Dichlorobenzene	4.663		1.00	0.400
142-28-9	1,3-Dichloropropane	4.480		1.00	0.400
106-46-7	1,4-Dichlorobenzene	4.558		1.00	0.400
123-91-1	1,4-Dioxane	120.9	J	200	45.5
78-93-3	2-Butanone	73.11		10.0	1.70
591-78-6	2-Hexanone	74.54		10.0	2.00
108-10-1	4-Methyl-2-pentanone	73.64		10.0	2.00
67-64-1	Acetone	70.87		10.0	2.00
107-13-1	Acrylonitrile	26.24		10.0	1.10
107-05-1	Allyl chloride	4.717	J	10.0	1.00
71-43-2	Benzene	5.336		1.00	0.300
75-27-4	Bromodichloromethane	4.985		1.00	0.300
75-25-2	Bromoform	4.757		1.00	0.400
74-83-9	Bromomethane	6.714		1.00	0.542
75-15-0	Carbon disulfide	4.685	J	10.0	0.400
56-23-5	Carbon tetrachloride	5.420		1.00	0.300
75-00-3	Chloroethane	8.145		1.00	0.100

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1AMS MS
Lab Sample ID: 410-234898-4 MS

Matrix: Water
Lab File ID: CG06X13.D

Analysis Method: 8260D
Date Collected: 07/30/2025 11:05

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 15:07

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	5.143		1.00	0.300
74-87-3	Chloromethane	5.361		1.00	0.100
126-99-8	Chloroprene	4.844	J	10.0	0.460
124-48-1	Dibromochloromethane	4.661		1.00	0.400
74-95-3	Dibromomethane	4.875		1.00	0.300
75-71-8	Dichlorodifluoromethane	5.682		1.00	0.400
60-29-7	Diethyl ether	26.69		10.0	1.11
97-63-2	Ethyl methacrylate	3.802	J	10.0	0.810
100-41-4	Ethylbenzene	4.724		1.00	0.300
87-68-3	Hexachlorobutadiene	4.975		1.00	0.400
78-83-1	Isobutyl alcohol	135.1	J	200	11.6
179601-23-1	m&p-Xylene	9.613		2.00	0.400
126-98-7	Methacrylonitrile	44.08	J	100	9.75
74-88-4	Methyl iodide	4.958	J	10.0	0.580
80-62-6	Methyl methacrylate	5.040	J	10.0	3.58
75-09-2	Methylene Chloride	4.986		1.00	0.700
91-20-3	Naphthalene	4.105		1.00	0.400
95-47-6	o-Xylene	4.708		1.00	0.400
76-01-7	Pentachloroethane	5.155	J	10.0	1.70
107-12-0	Propionitrile	42.69	J	100	10.2
100-42-5	Styrene	4.833		1.00	0.300
127-18-4	Tetrachloroethene	5.025		1.00	0.300
109-99-9	Tetrahydrofuran	29.53		25.0	2.00
108-88-3	Toluene	4.738		1.00	0.300
156-60-5	trans-1,2-Dichloroethene	5.051		1.00	0.300
10061-02-6	trans-1,3-Dichloropropene	4.267		1.00	0.400
79-01-6	Trichloroethene	5.134		1.00	0.300
75-69-4	Trichlorofluoromethane	6.996		1.00	0.400
75-01-4	Vinyl chloride	5.854		1.00	0.200
1330-20-7	Xylenes, Total	14.32		3.00	0.400

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1AMS MS Lab Sample ID: 410-234898-4 MS

Matrix: Water Lab File ID: CG06X13.D

Analysis Method: 8260D Date Collected: 07/30/2025 11:05

Sample wt/vol: 25(mL) Date Analyzed: 08/06/2025 15:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 681517 Units: ug/L

Preparation Batch No.: Instrument ID: 10193

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	107		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X13.D
Lims ID: 410-234898-D-4 MS
Client ID: 16WC1AMS
Sample Type: MS
Inject. Date: 06-Aug-2025 15:07:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-014
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 09:21:14 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:21:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.756	1.750	0.006	99	320041	5.00	5.68	
5 Chloromethane	50	1.939	1.927	0.012	100	358151	5.00	5.36	
7 Butadiene	39	2.024	2.012	0.012	95	435343	5.00	5.66	
6 Vinyl chloride	62	2.037	2.031	0.006	99	345636	5.00	5.85	
9 Bromomethane	94	2.335	2.329	0.006	91	253409	5.00	6.71	
10 Chloroethane	64	2.372	2.360	0.012	99	272624	5.00	8.14	
11 Dichlorofluoromethane	67	2.579	2.567	0.012	98	665783	5.00	6.89	M
13 Pentane	43	2.634	2.628	0.006	96	398808	5.00	6.14	
12 Trichlorofluoromethane	101	2.665	2.658	0.007	99	522431	5.00	7.00	
14 Ethyl ether	59	2.811	2.805	0.006	94	949782	4.97	26.7	E
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.921	2.908	0.013	96	349220	5.00	6.69	
18 1,1-Dichloroethene	96	3.085	3.073	0.012	98	225651	5.00	6.13	
20 Acetone	43	3.110	3.097	0.013	99	382241	62.6	70.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.140	3.128	0.012	92	220170	5.00	5.76	
22 Iodomethane	142	3.244	3.238	0.006	99	371371	5.00	4.96	
24 Isopropyl alcohol	45	3.268	3.244	0.024	28	34127	37.5	33.3	
25 Carbon disulfide	76	3.335	3.329	0.006	100	635567	5.00	4.69	M
26 Methyl acetate	43	3.469	3.457	0.012	41	89871	5.00	6.19	
29 3-Chloro-1-propene	41	3.481	3.475	0.006	89	326901	5.00	4.72	
30 Methylene Chloride	84	3.652	3.640	0.012	93	221542	5.00	4.99	
* 31 t-Butyl alcohol-d10 (IS)	65	3.664	3.640	0.024	38	114013	50.0	50.0	
32 2-Methyl-2-propanol	59	3.768	3.756	0.012	98	82607	50.0	48.8	
33 Acrylonitrile	53	3.945	3.939	0.006	98	207577	25.0	26.2	
35 trans-1,2-Dichloroethene	96	4.000	3.987	0.013	98	229353	5.00	5.05	
34 Methyl tert-butyl ether	73	3.994	3.994	0.000	82	504018	5.00	4.00	
36 Hexane	57	4.402	4.390	0.012	95	301701	5.00	4.88	
37 1,1-Dichloroethane	63	4.640	4.634	0.006	96	663592	5.00	8.02	
39 Isopropyl ether	45	4.707	4.701	0.006	93	734166	5.00	4.80	
40 2-Chloro-1,3-butadiene	53	4.749	4.743	0.006	91	353390	5.00	4.84	
41 Tert-butyl ethyl ether	59	5.255	5.249	0.006	97	622609	5.00	4.14	
42 2-Butanone (MEK)	43	5.469	5.463	0.006	100	756843	62.6	73.1	
43 cis-1,2-Dichloroethene	96	5.493	5.487	0.006	82	371635	5.00	7.10	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 2,2-Dichloropropane	77	5.505	5.505	0.000	83	355466	5.00	5.47	
45 Propionitrile	54	5.560	5.554	0.006	97	119266	37.5	42.7	
47 Methacrylonitrile	67	5.780	5.780	0.000	93	442074	37.5	44.1	
48 Chlorobromomethane	128	5.835	5.829	0.006	95	119678	5.00	5.12	
49 Tetrahydrofuran	71	5.847	5.835	0.012	81	86938	25.0	29.5	
50 Chloroform	83	5.993	5.993	0.000	93	431801	5.00	5.14	
53 1,1,1-Trichloroethane	97	6.219	6.213	0.006	77	388781	5.00	5.29	
$ 54 Dibromofluoromethane (Surr)	113	6.219	6.213	0.006	94	437459	10.0	10.7	
55 Cyclohexane	56	6.316	6.304	0.012	92	408843	5.00	5.23	
56 Carbon tetrachloride	117	6.426	6.426	0.000	98	339588	5.00	5.42	
57 1,1-Dichloropropene	75	6.438	6.432	0.006	96	322110	5.00	4.88	
58 Isobutyl alcohol	41	6.652	6.639	0.013	88	93263	125.1	135.1	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.682	6.676	0.006	99	84935	10.0	10.1	
60 Benzene	78	6.706	6.700	0.006	97	1049731	5.00	5.34	
61 1,2-Dichloroethane	62	6.786	6.780	0.006	98	259622	5.00	4.82	
64 Tert-amyl methyl ether	73	6.920	6.914	0.006	97	587505	5.00	4.36	
* 65 Fluorobenzene (IS)	96	7.127	7.127	0.000	98	1729909	10.0	10.0	
66 n-Heptane	43	7.145	7.145	0.000	93	364950	5.00	5.99	
67 n-Butanol	56	7.566	7.554	0.012	92	133356	250.2	205.2	
68 Trichloroethene	95	7.621	7.615	0.006	98	267328	5.00	5.13	
69 Methylcyclohexane	83	7.926	7.926	0.000	92	424408	5.00	5.07	
70 1,2-Dichloropropane	63	7.956	7.956	0.000	97	254667	5.00	5.06	
71 2-ethoxy-2-methyl butane	87	7.987	7.987	0.000	93	360778	5.00	4.57	
74 1,4-Dioxane	88	8.066	8.066	0.000	33	19404	125.1	120.9	
72 Dibromomethane	93	8.072	8.072	0.000	96	121376	5.00	4.87	
73 Methyl methacrylate	69	8.078	8.072	0.006	92	104098	5.00	5.04	
76 Dichlorobromomethane	83	8.322	8.316	0.006	100	305869	5.00	4.98	
77 2-Nitropropane	41	8.615	8.609	0.007	97	29870	5.00	4.48	
78 1-Bromo-2-chloroethane	63	8.718	8.712	0.006	99	312793	5.00	6.34	
80 cis-1,3-Dichloropropene	75	8.895	8.895	0.000	96	329481	5.00	4.36	
82 4-Methyl-2-pentanone (MIBK)	43	9.102	9.102	0.000	97	2022029	62.6	73.6	
$ 83 Toluene-d8 (Surr)	98	9.236	9.230	0.006	93	1809024	10.0	9.75	
84 Toluene	92	9.316	9.316	0.000	98	649717	5.00	4.74	
85 trans-1,3-Dichloropropene	75	9.620	9.614	0.006	93	295997	5.00	4.27	
86 Ethyl methacrylate	69	9.700	9.700	0.000	90	228464	5.00	3.80	
87 1,1,2-Trichloroethane	97	9.834	9.834	0.000	91	180841	5.00	4.60	
88 Tetrachloroethene	166	9.913	9.913	0.000	98	319853	5.00	5.02	
89 1,3-Dichloropropane	76	10.005	10.005	0.000	92	298655	5.00	4.48	
106 2-Hexanone	43	10.078	10.078	0.000	98	1464591	62.6	74.5	
108 Chlorodibromomethane	129	10.230	10.230	0.000	90	223784	5.00	4.66	
110 Ethylene Dibromide	107	10.340	10.340	0.000	98	170912	5.00	4.48	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1412192	10.0	10.0	
112 1-Chlorohexane	91	10.828	10.828	0.000	95	351982	5.00	4.57	
113 Chlorobenzene	112	10.834	10.834	0.000	96	761431	5.00	4.85	
114 1,1,1,2-Tetrachloroethane	131	10.919	10.925	-0.006	96	264378	5.00	4.95	
115 Ethylbenzene	91	10.931	10.925	0.006	98	1288733	5.00	4.72	
116 m-Xylene & p-Xylene	106	11.053	11.053	0.000	97	1018598	10.0	9.61	
118 o-Xylene	106	11.395	11.395	0.000	96	491941	5.00	4.71	
119 Styrene	104	11.413	11.413	0.000	95	840171	5.00	4.83	
120 Bromoform	173	11.571	11.565	0.006	97	132988	5.00	4.76	
121 Isopropylbenzene	105	11.712	11.712	0.000	98	1294430	5.00	5.38	
$ 124 4-Bromofluorobenzene (Surr)	95	11.852	11.858	-0.006	93	706390	10.0	10.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
125 Bromobenzene	156	11.968	11.968	0.000	92	334019	5.00	4.48	
126 1,1,2,2-Tetrachloroethane	83	11.968	11.968	0.000	71	227653	5.00	4.29	
127 trans-1,4-Dichloro-2-butene	53	11.998	11.998	0.000	92	241243	25.0	19.0	
128 1,2,3-Trichloropropane	110	12.010	12.010	0.000	80	63027	5.00	4.33	
129 N-Propylbenzene	91	12.047	12.053	-0.006	99	1569556	5.00	4.53	
130 2-Chlorotoluene	126	12.126	12.126	0.000	97	324712	5.00	4.56	
131 1,3,5-Trimethylbenzene	105	12.193	12.193	0.000	93	1134355	5.00	4.53	
132 4-Chlorotoluene	126	12.224	12.224	0.000	97	336402	5.00	4.56	
133 tert-Butylbenzene	134	12.437	12.443	-0.006	93	254787	5.00	4.43	
134 Pentachloroethane	167	12.468	12.468	0.000	90	227822	5.00	5.15	
135 1,2,4-Trimethylbenzene	105	12.486	12.486	0.000	97	1178877	5.00	4.58	
136 sec-Butylbenzene	105	12.608	12.608	0.000	94	1472013	5.00	4.60	
137 1,3-Dichlorobenzene	146	12.705	12.705	0.000	98	666460	5.00	4.66	
138 4-Isopropyltoluene	119	12.724	12.724	0.000	97	1261694	5.00	4.51	
* 139 1,4-Dichlorobenzene-d4	152	12.760	12.760	0.000	94	839681	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.778	12.778	0.000	95	680146	5.00	4.56	
141 1,2,3-Trimethylbenzene	120	12.797	12.797	0.000	98	537200	5.00	4.62	
142 Benzyl chloride	126	12.864	12.864	0.000	98	94539	5.00	5.08	
145 p-Diethylbenzene	119	12.998	12.998	0.000	94	799913	5.00	4.73	
143 n-Butylbenzene	92	13.022	13.022	0.000	97	632435	5.00	4.69	
144 1,2-Dichlorobenzene	146	13.047	13.047	0.000	99	616471	5.00	4.73	
148 1,2-Dibromo-3-Chloropropane	155	13.608	13.601	0.007	86	28844	5.00	4.07	
149 1,3,5-Trichlorobenzene	180	13.729	13.729	0.000	98	467075	5.00	4.66	
150 1,2,4-Trichlorobenzene	180	14.162	14.162	0.000	94	340306	5.00	4.50	
151 Hexachlorobutadiene	225	14.242	14.248	-0.006	98	210580	5.00	4.98	
152 Naphthalene	128	14.345	14.345	0.000	97	507888	5.00	4.11	
153 1,2,3-Trichlorobenzene	180	14.491	14.485	0.006	96	264954	5.00	4.52	
154 2-Methylnaphthalene	142	15.101	15.101	0.000	92	120320	5.00	2.66	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00232	Amount Added:	5.38	Units: uL	
MSV_QC_Gas826_00273	Amount Added:	5.38	Units: uL	
MSV_LCS_EE_00011	Amount Added:	5.38	Units: uL	
MSV_LCS_Penta_00058	Amount Added:	5.38	Units: uL	
MSV_HP25_ISSS_00117	Amount Added:	1.00	Units: uL	Run Reagent

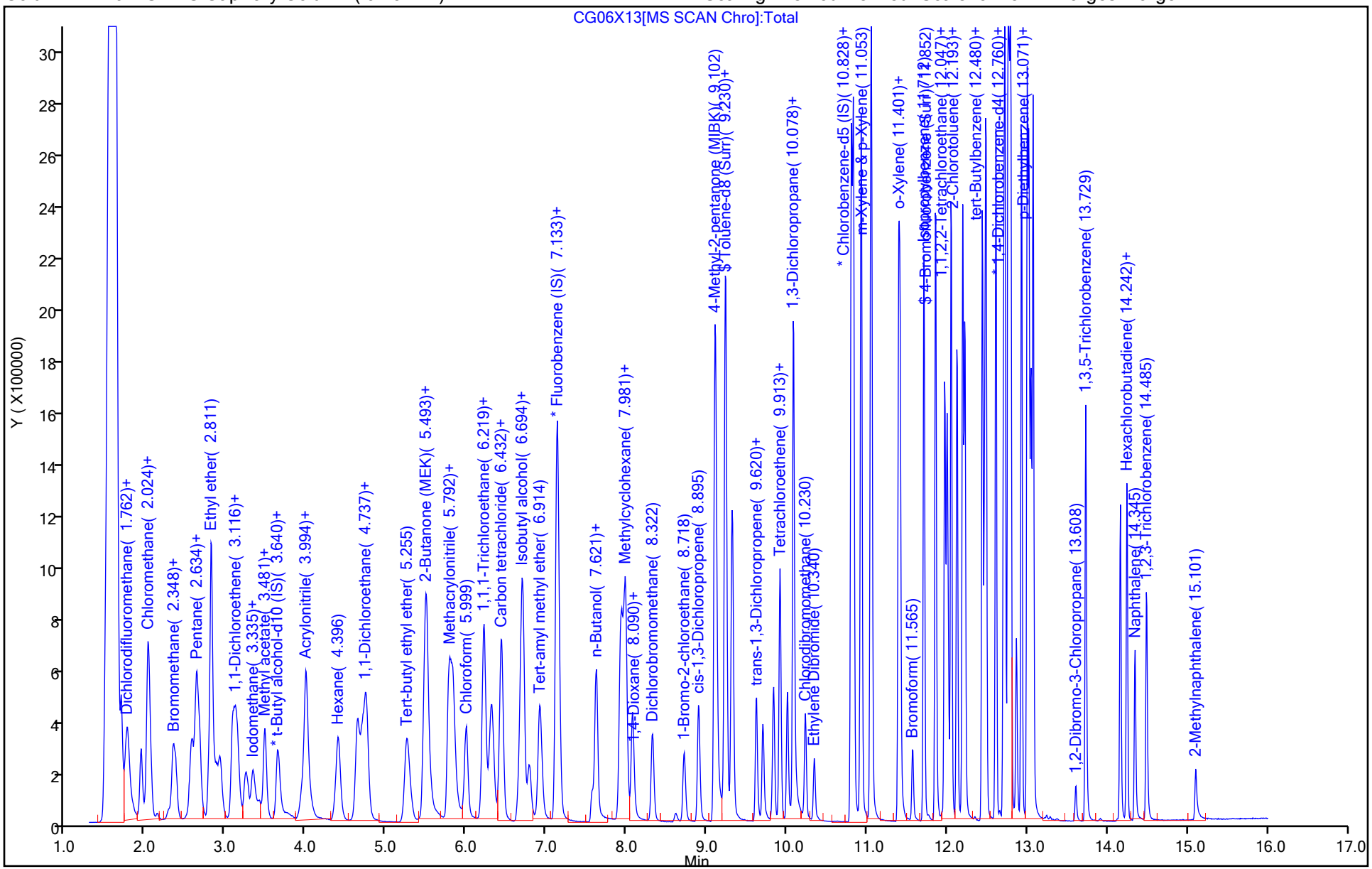
Report Date: 07-Aug-2025 09:21:15 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X13.D

Injection Date:	06-Aug-2025 15:07:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	410-234898-D-4 MS			Worklist Smp#:	14
Client ID:	16WC1AMS				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X13.D				
Lims ID:	410-234898-D-4 MS				
Client ID:	16WC1AMS				
Sample Type:	MS				
Inject. Date:	06-Aug-2025 15:07:30	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-014				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Aug-2025 09:21:14	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:21:14

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	10.7	107.16
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.1	100.82
$ 83 Toluene-d8 (Surr)	10.0	9.75	97.53
$ 124 4-Bromofluorobenzene (Surr)	10.0	10.1	100.86

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

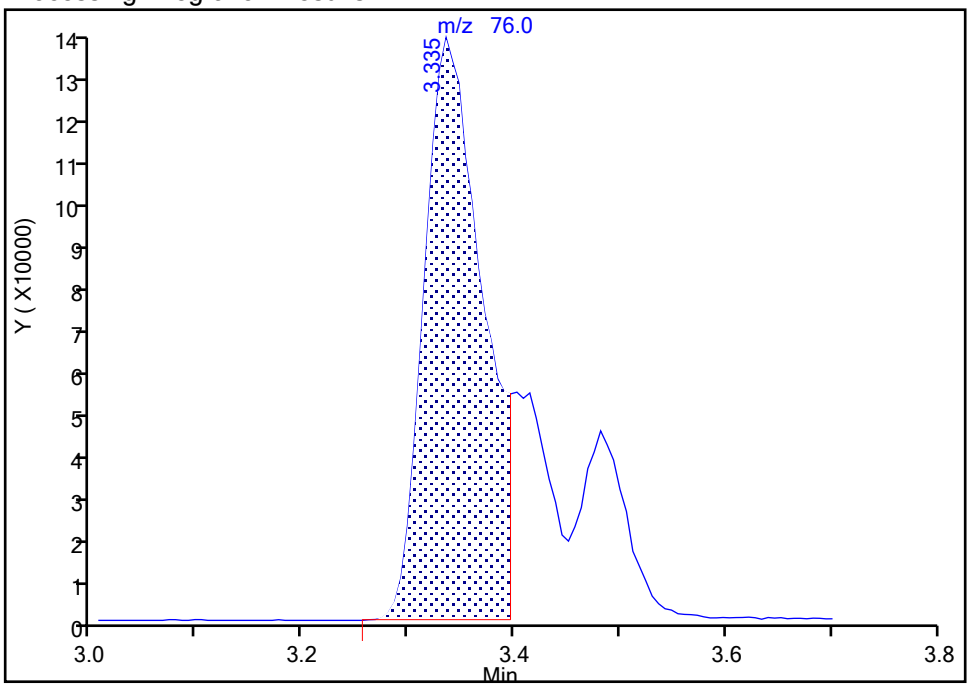
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X13.D				
Injection Date:	06-Aug-2025 15:07:30	Instrument ID:	10193		
Lims ID:	410-234898-D-4 MS				
Client ID:	16WC1AMS				
Operator ID:	ecr105096	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

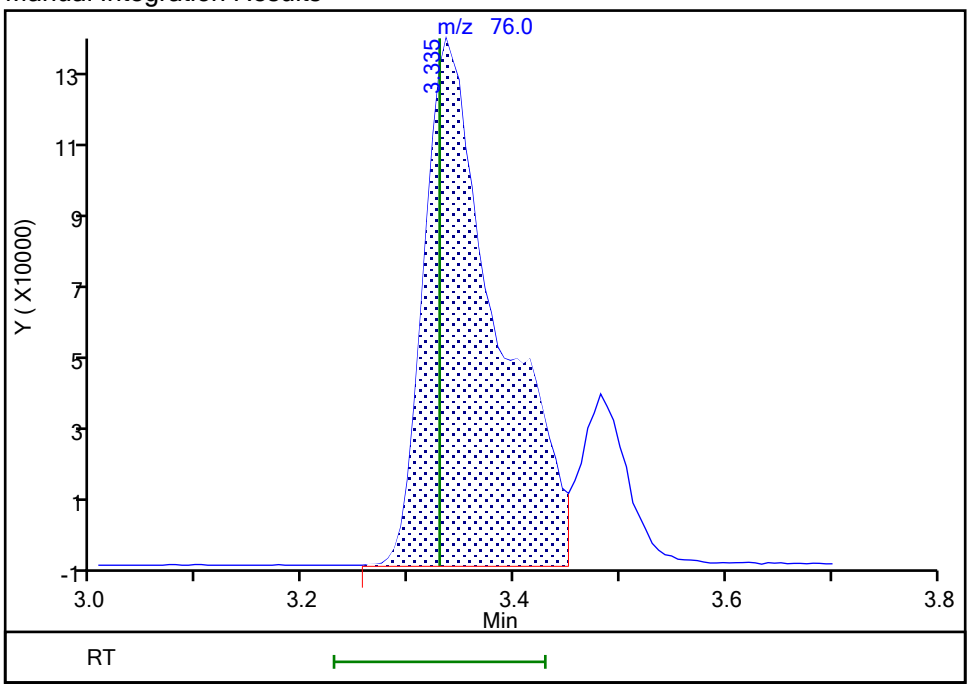
Processing Integration Results

RT: 3.34
Area: 513649
Amount: 3.786407
Amount Units: ug/l



Manual Integration Results

RT: 3.34
Area: 635567
Amount: 4.685135
Amount Units: ug/l



Reviewer: FQ4L, 07-Aug-2025 09:20:47 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1AMS MS
Lab Sample ID: 410-234898-4 MS

Matrix: Water
Lab File ID: CG06X15.D

Analysis Method: 8260D
Date Collected: 07/30/2025 11:05

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 15:52

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-05-8	Acetonitrile	ND		100	31.6
108-05-4	Vinyl acetate	15.46		10.0	3.29
115-10-6	Dimethyl ether	5.154		0.500	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	109		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		80-120
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X15.D
Lims ID: 410-234898-E-4 MS
Client ID: 16WC1AMS
Sample Type: MS
Inject. Date: 06-Aug-2025 15:52:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-016
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 09:16:00 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:16:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dimethyl ether	45	1.805	1.805	0.000	100	383553	4.65	5.15	
27 Acetonitrile	41	3.439	3.451	-0.012	98	48005	18.8	16.1	
* 31 t-Butyl alcohol-d10 (IS)	65	3.664	3.640	0.024	96	116011	50.0	50.0	
38 Vinyl acetate	43	4.646	4.640	0.006	97	922548	12.5	15.5	
46 Ethyl acetate	43	5.566	5.554	0.012	99	71228	2.50	2.47	
$ 54 Dibromofluoromethane (Surr)	113	6.219	6.213	0.006	94	424050	10.0	10.9	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.682	6.676	0.006	100	85458	10.0	10.6	
63 Isopropyl acetate	43	6.828	6.828	0.000	99	150993	2.50	2.33	
* 65 Fluorobenzene (IS)	96	7.127	7.127	0.000	99	1653688	10.0	10.0	
75 n-Propyl acetate	61	8.176	8.170	0.006	99	27191	2.50	2.07	
$ 83 Toluene-d8 (Surr)	98	9.236	9.230	0.006	94	1684443	10.0	9.27	
109 n-Butyl acetate	43	10.230	10.224	0.006	97	112983	2.50	1.81	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	88	1382855	10.0	10.0	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	93	633612	10.0	9.24	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	748990	10.0	10.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_LCS_V5ACE_00055	Amount Added:	2.69	Units: uL	
MSV_DME_00072	Amount Added:	0.20	Units: uL	
MSV_HP25_ISSS_00117	Amount Added:	1.00	Units: uL	Run Reagent

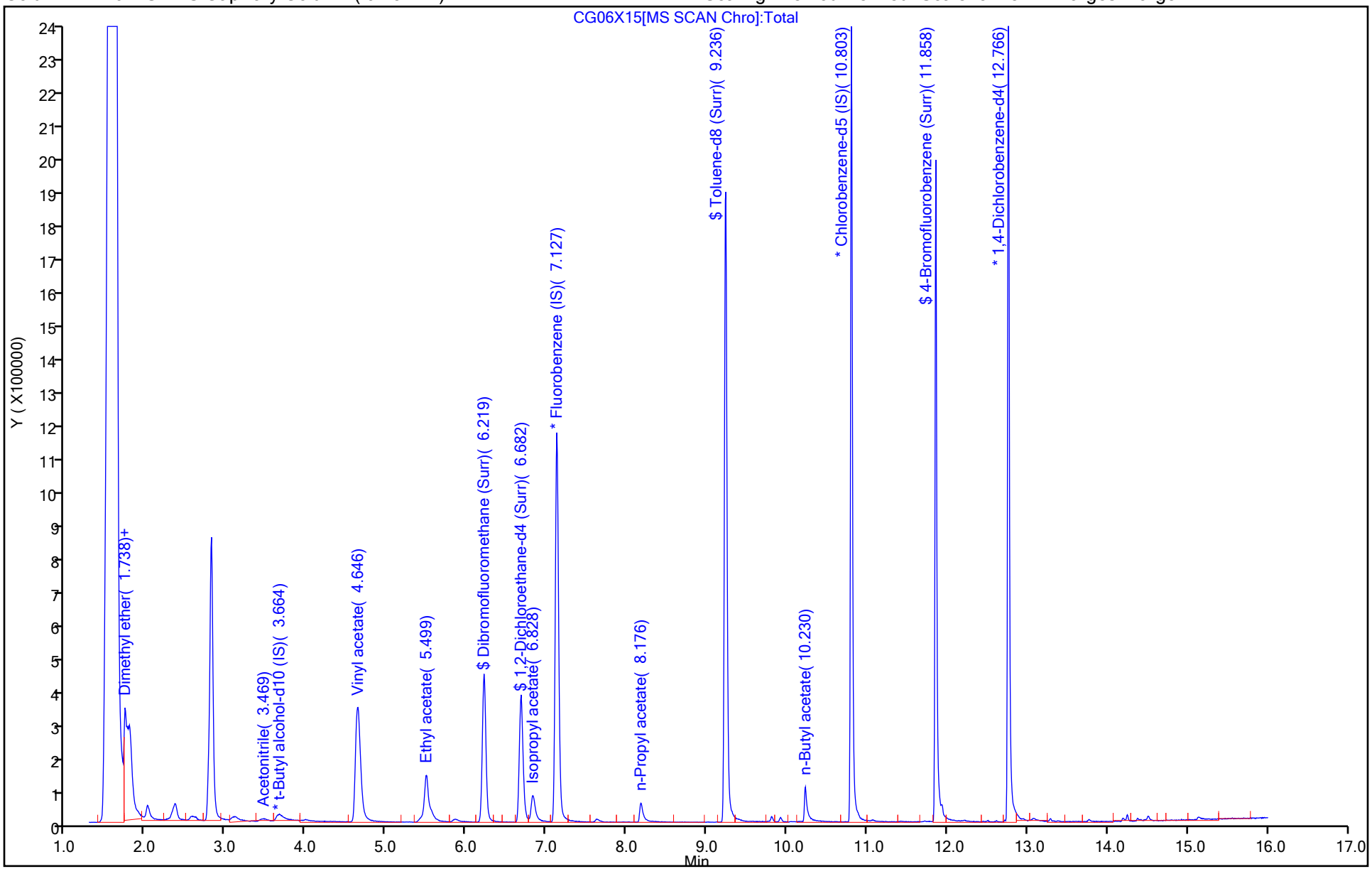
Report Date: 07-Aug-2025 09:16:30 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X15.D

Injection Date:	06-Aug-2025 15:52:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	410-234898-E-4 MS			Worklist Smp#:	16
Client ID:	16WC1AMS				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X15.D				
Lims ID:	410-234898-E-4 MS				
Client ID:	16WC1AMS				
Sample Type:	MS				
Inject. Date:	06-Aug-2025 15:52:30	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-016				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Aug-2025 09:16:00	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:16:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	10.9	108.67
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.6	106.12
$ 83 Toluene-d8 (Surr)	10.0	9.27	92.74
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.24	92.38

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1AMSD MSD
Lab Sample ID: 410-234898-4 MSD

Matrix: Water
Lab File ID: CG06X14.D

Analysis Method: 8260D
Date Collected: 07/30/2025 11:05

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 15:30

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	5.434		1.00	0.300
71-55-6	1,1,1-Trichloroethane	5.979		1.00	0.300
79-34-5	1,1,2,2-Tetrachloroethane	4.806		1.00	0.300
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.742		1.00	0.400
79-00-5	1,1,2-Trichloroethane	5.182		1.00	0.300
75-34-3	1,1-Dichloroethane	8.296		1.00	0.300
75-35-4	1,1-Dichloroethene	6.790		1.00	0.300
96-18-4	1,2,3-Trichloropropane	4.802		1.00	0.300
120-82-1	1,2,4-Trichlorobenzene	4.832		1.00	0.600
96-12-8	1,2-Dibromo-3-Chloropropane	4.311		1.00	0.400
106-93-4	1,2-Dibromoethane	5.111		1.00	0.300
95-50-1	1,2-Dichlorobenzene	5.207		1.00	0.400
107-06-2	1,2-Dichloroethane	5.443		1.00	0.300
78-87-5	1,2-Dichloropropane	5.777		1.00	0.400
541-73-1	1,3-Dichlorobenzene	5.268		1.00	0.400
142-28-9	1,3-Dichloropropane	5.033		1.00	0.400
106-46-7	1,4-Dichlorobenzene	5.242		1.00	0.400
123-91-1	1,4-Dioxane	141.8	J	200	45.5
78-93-3	2-Butanone	77.02		10.0	1.70
591-78-6	2-Hexanone	78.52		10.0	2.00
108-10-1	4-Methyl-2-pentanone	76.14		10.0	2.00
67-64-1	Acetone	77.00		10.0	2.00
107-13-1	Acrylonitrile	29.77		10.0	1.10
107-05-1	Allyl chloride	5.796	J	10.0	1.00
71-43-2	Benzene	5.996		1.00	0.300
75-27-4	Bromodichloromethane	5.624		1.00	0.300
75-25-2	Bromoform	5.274		1.00	0.400
74-83-9	Bromomethane	6.606		1.00	0.542
75-15-0	Carbon disulfide	6.023	J	10.0	0.400
56-23-5	Carbon tetrachloride	6.170		1.00	0.300
75-00-3	Chloroethane	7.915		1.00	0.100

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1AMSD MSD
Lab Sample ID: 410-234898-4 MSD

Matrix: Water
Lab File ID: CG06X14.D

Analysis Method: 8260D
Date Collected: 07/30/2025 11:05

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 15:30

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	5.788		1.00	0.300
74-87-3	Chloromethane	5.374		1.00	0.100
126-99-8	Chloroprene	5.519	J	10.0	0.460
124-48-1	Dibromochloromethane	5.311		1.00	0.400
74-95-3	Dibromomethane	5.538		1.00	0.300
75-71-8	Dichlorodifluoromethane	5.462		1.00	0.400
60-29-7	Diethyl ether	25.69		10.0	1.11
97-63-2	Ethyl methacrylate	4.374	J	10.0	0.810
100-41-4	Ethylbenzene	5.274		1.00	0.300
87-68-3	Hexachlorobutadiene	5.519		1.00	0.400
78-83-1	Isobutyl alcohol	145.5	J	200	11.6
179601-23-1	m&p-Xylene	10.85		2.00	0.400
126-98-7	Methacrylonitrile	47.84	J	100	9.75
74-88-4	Methyl iodide	5.476	J	10.0	0.580
80-62-6	Methyl methacrylate	5.606	J	10.0	3.58
75-09-2	Methylene Chloride	6.056		1.00	0.700
91-20-3	Naphthalene	4.388		1.00	0.400
95-47-6	o-Xylene	5.189		1.00	0.400
76-01-7	Pentachloroethane	5.305	J	10.0	1.70
107-12-0	Propionitrile	48.01	J	100	10.2
100-42-5	Styrene	5.381		1.00	0.300
127-18-4	Tetrachloroethene	5.589		1.00	0.300
109-99-9	Tetrahydrofuran	32.84		25.0	2.00
108-88-3	Toluene	5.373		1.00	0.300
156-60-5	trans-1,2-Dichloroethene	5.997		1.00	0.300
10061-02-6	trans-1,3-Dichloropropene	4.859		1.00	0.400
79-01-6	Trichloroethene	5.765		1.00	0.300
75-69-4	Trichlorofluoromethane	6.515		1.00	0.400
75-01-4	Vinyl chloride	5.720		1.00	0.200
1330-20-7	Xylenes, Total	16.04		3.00	0.400

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1AMSD MSD Lab Sample ID: 410-234898-4 MSD

Matrix: Water Lab File ID: CG06X14.D

Analysis Method: 8260D Date Collected: 07/30/2025 11:05

Sample wt/vol: 25(mL) Date Analyzed: 08/06/2025 15:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 681517 Units: ug/L

Preparation Batch No.: Instrument ID: 10193

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	108		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X14.D
Lims ID: 410-234898-C-4 MSD
Client ID: 16WC1AMSD
Sample Type: MSD
Inject. Date: 06-Aug-2025 15:30:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-015
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 09:18:09 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:18:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.750	1.750	0.000	99	319867	5.00	5.46	
5 Chloromethane	50	1.933	1.927	0.006	99	373282	5.00	5.37	
7 Butadiene	39	2.012	2.012	0.000	94	449723	5.00	5.62	
6 Vinyl chloride	62	2.031	2.031	0.000	98	351116	5.00	5.72	
9 Bromomethane	94	2.329	2.329	0.000	91	259206	5.00	6.61	
10 Chloroethane	64	2.360	2.360	0.000	100	275449	5.00	7.92	
11 Dichlorofluoromethane	67	2.567	2.567	0.000	97	654581	5.00	6.52	M
13 Pentane	43	2.628	2.628	0.000	96	459456	5.00	6.80	
12 Trichlorofluoromethane	101	2.652	2.658	-0.006	98	505871	5.00	6.52	
14 Ethyl ether	59	2.805	2.805	0.000	94	950589	4.97	25.7	E
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.914	2.908	0.006	93	349320	5.00	6.44	
18 1,1-Dichloroethene	96	3.067	3.073	-0.006	99	259953	5.00	6.79	
20 Acetone	43	3.097	3.097	0.000	98	456025	62.6	77.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.128	3.128	0.000	94	268059	5.00	6.74	
22 Iodomethane	142	3.244	3.238	0.006	100	426452	5.00	5.48	
24 Isopropyl alcohol	45	3.250	3.244	0.006	33	34264	37.5	30.4	
25 Carbon disulfide	76	3.329	3.329	0.000	99	849425	5.00	6.02	M
26 Methyl acetate	43	3.457	3.457	0.000	46	112471	5.00	7.05	
29 3-Chloro-1-propene	41	3.475	3.475	0.000	92	417672	5.00	5.80	
30 Methylene Chloride	84	3.634	3.640	-0.006	92	279762	5.00	6.06	
* 31 t-Butyl alcohol-d10 (IS)	65	3.640	3.640	0.000	95	125201	50.0	50.0	
32 2-Methyl-2-propanol	59	3.768	3.756	0.012	99	104420	50.0	56.1	
33 Acrylonitrile	53	3.939	3.939	0.000	97	258598	25.0	29.8	
35 trans-1,2-Dichloroethene	96	3.987	3.987	0.000	99	283155	5.00	6.00	
34 Methyl tert-butyl ether	73	3.994	3.994	0.000	89	639759	5.00	4.89	
36 Hexane	57	4.390	4.390	0.000	95	366496	5.00	5.70	
37 1,1-Dichloroethane	63	4.634	4.634	0.000	96	713266	5.00	8.30	
39 Isopropyl ether	45	4.701	4.701	0.000	95	866985	5.00	5.45	
40 2-Chloro-1,3-butadiene	53	4.743	4.743	0.000	91	418555	5.00	5.52	
41 Tert-butyl ethyl ether	59	5.256	5.249	0.007	98	743058	5.00	4.75	
42 2-Butanone (MEK)	43	5.463	5.463	0.000	100	875533	62.6	77.0	
43 cis-1,2-Dichloroethene	96	5.493	5.487	0.006	82	423005	5.00	7.78	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 2,2-Dichloropropane	77	5.505	5.505	0.000	87	422084	5.00	6.25	
45 Propionitrile	54	5.566	5.554	0.012	93	147285	37.5	48.0	
47 Methacrylonitrile	67	5.780	5.780	0.000	93	526961	37.5	47.8	
48 Chlorobromomethane	128	5.829	5.829	0.000	95	138896	5.00	5.72	
49 Tetrahydrofuran	71	5.841	5.835	0.006	89	106159	25.0	32.8	
50 Chloroform	83	5.993	5.993	0.000	95	505228	5.00	5.79	
53 1,1,1-Trichloroethane	97	6.219	6.213	0.006	83	457207	5.00	5.98	
$ 54 Dibromofluoromethane (Surr)	113	6.213	6.213	0.000	94	456493	10.0	10.8	
55 Cyclohexane	56	6.310	6.304	0.006	91	474849	5.00	5.84	
56 Carbon tetrachloride	117	6.420	6.426	-0.006	96	401975	5.00	6.17	
57 1,1-Dichloropropene	75	6.432	6.432	0.000	95	379991	5.00	5.54	
58 Isobutyl alcohol	41	6.639	6.639	0.000	91	110307	125.1	145.5	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.676	6.676	0.000	99	89270	10.0	10.2	
60 Benzene	78	6.700	6.700	0.000	97	1226487	5.00	6.00	
61 1,2-Dichloroethane	62	6.780	6.780	0.000	97	304505	5.00	5.44	
64 Tert-amyl methyl ether	73	6.914	6.914	0.000	97	695870	5.00	4.97	
* 65 Fluorobenzene (IS)	96	7.127	7.127	0.000	98	1798575	10.0	10.0	
66 n-Heptane	43	7.151	7.145	0.006	94	420706	5.00	6.64	
67 n-Butanol	56	7.566	7.554	0.012	94	173706	250.2	243.4	
68 Trichloroethene	95	7.615	7.615	0.000	98	312077	5.00	5.76	
69 Methylcyclohexane	83	7.920	7.926	-0.006	93	498889	5.00	5.73	
70 1,2-Dichloropropane	63	7.956	7.956	0.000	96	302435	5.00	5.78	
71 2-ethoxy-2-methyl butane	87	7.987	7.987	0.000	94	429208	5.00	5.23	
74 1,4-Dioxane	88	8.066	8.066	0.000	31	24983	125.1	141.8	M
72 Dibromomethane	93	8.066	8.072	-0.006	95	143370	5.00	5.54	
73 Methyl methacrylate	69	8.072	8.072	0.000	94	127142	5.00	5.61	
76 Dichlorobromomethane	83	8.322	8.316	0.006	100	358758	5.00	5.62	
77 2-Nitropropane	41	8.609	8.609	0.000	98	31530	5.00	4.30	
78 1-Bromo-2-chloroethane	63	8.712	8.712	0.000	99	306546	5.00	5.98	
80 cis-1,3-Dichloropropene	75	8.895	8.895	0.000	96	394767	5.00	5.03	
82 4-Methyl-2-pentanone (MIBK)	43	9.102	9.102	0.000	98	2295977	62.6	76.1	
$ 83 Toluene-d8 (Surr)	98	9.230	9.230	0.000	93	1887666	10.0	9.81	
84 Toluene	92	9.316	9.316	0.000	98	764449	5.00	5.37	
85 trans-1,3-Dichloropropene	75	9.614	9.614	0.000	93	349705	5.00	4.86	
86 Ethyl methacrylate	69	9.700	9.700	0.000	90	272739	5.00	4.37	
87 1,1,2-Trichloroethane	97	9.834	9.834	0.000	91	211552	5.00	5.18	
88 Tetrachloroethene	166	9.913	9.913	0.000	98	369084	5.00	5.59	
89 1,3-Dichloropropane	76	10.005	10.005	0.000	92	348149	5.00	5.03	
106 2-Hexanone	43	10.078	10.078	0.000	97	1694197	62.6	78.5	
108 Chlorodibromomethane	129	10.230	10.230	0.000	90	264583	5.00	5.31	
110 Ethylene Dibromide	107	10.340	10.340	0.000	98	202075	5.00	5.11	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1465173	10.0	10.0	
112 1-Chlorohexane	91	10.828	10.828	0.000	95	412442	5.00	5.17	
113 Chlorobenzene	112	10.834	10.834	0.000	97	875279	5.00	5.38	
114 1,1,1,2-Tetrachloroethane	131	10.919	10.925	-0.006	96	301184	5.00	5.43	
115 Ethylbenzene	91	10.925	10.925	0.000	98	1492684	5.00	5.27	
116 m-Xylene & p-Xylene	106	11.053	11.053	0.000	97	1192975	10.0	10.9	
118 o-Xylene	106	11.395	11.395	0.000	96	562556	5.00	5.19	
119 Styrene	104	11.413	11.413	0.000	95	970431	5.00	5.38	
120 Bromoform	173	11.571	11.565	0.006	98	152999	5.00	5.27	
121 Isopropylbenzene	105	11.712	11.712	0.000	96	1496078	5.00	5.99	
$ 124 4-Bromofluorobenzene (Surr)	95	11.852	11.858	-0.006	93	729697	10.0	10.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
125 Bromobenzene	156	11.968	11.968	0.000	91	387346	5.00	5.15	
126 1,1,2,2-Tetrachloroethane	83	11.968	11.968	0.000	70	257147	5.00	4.81	
127 trans-1,4-Dichloro-2-butene	53	11.998	11.998	0.000	91	282753	25.0	22.1	
128 1,2,3-Trichloropropane	110	12.010	12.010	0.000	82	70435	5.00	4.80	
129 N-Propylbenzene	91	12.047	12.053	-0.006	99	1816704	5.00	5.20	
130 2-Chlorotoluene	126	12.120	12.126	-0.006	97	370945	5.00	5.16	
131 1,3,5-Trimethylbenzene	105	12.193	12.193	0.000	93	1307827	5.00	5.17	
132 4-Chlorotoluene	126	12.224	12.224	0.000	97	389715	5.00	5.23	
133 tert-Butylbenzene	134	12.437	12.443	-0.006	93	291024	5.00	5.02	
134 Pentachloroethane	167	12.468	12.468	0.000	93	236529	5.00	5.31	
135 1,2,4-Trimethylbenzene	105	12.486	12.486	0.000	97	1347044	5.00	5.19	
136 sec-Butylbenzene	105	12.608	12.608	0.000	94	1699677	5.00	5.27	
137 1,3-Dichlorobenzene	146	12.705	12.705	0.000	98	759594	5.00	5.27	
138 4-Isopropyltoluene	119	12.724	12.724	0.000	97	1456089	5.00	5.16	
* 139 1,4-Dichlorobenzene-d4	152	12.760	12.760	0.000	95	846999	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.778	12.778	0.000	95	789018	5.00	5.24	
141 1,2,3-Trimethylbenzene	120	12.797	12.797	0.000	98	601197	5.00	5.12	
142 Benzyl chloride	126	12.864	12.864	0.000	98	105738	5.00	5.63	
145 p-Diethylbenzene	119	12.998	12.998	0.000	93	913536	5.00	5.35	
143 n-Butylbenzene	92	13.022	13.022	0.000	97	721801	5.00	5.31	
144 1,2-Dichlorobenzene	146	13.047	13.047	0.000	99	684909	5.00	5.21	
148 1,2-Dibromo-3-Chloropropane	155	13.608	13.601	0.007	87	30801	5.00	4.31	
149 1,3,5-Trichlorobenzene	180	13.729	13.729	0.000	98	521472	5.00	5.16	
150 1,2,4-Trichlorobenzene	180	14.162	14.162	0.000	95	368956	5.00	4.83	
151 Hexachlorobutadiene	225	14.248	14.248	0.000	97	235632	5.00	5.52	
152 Naphthalene	128	14.345	14.345	0.000	97	547539	5.00	4.39	
153 1,2,3-Trichlorobenzene	180	14.492	14.485	0.007	96	281527	5.00	4.76	
154 2-Methylnaphthalene	142	15.101	15.101	0.000	92	144559	5.00	3.07	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00232	Amount Added:	5.38	Units: uL	
MSV_QC_Gas826_00273	Amount Added:	5.38	Units: uL	
MSV_LCS_EE_00011	Amount Added:	5.38	Units: uL	
MSV_LCS_Penta_00058	Amount Added:	5.38	Units: uL	
MSV_HP25_ISSS_00117	Amount Added:	1.00	Units: uL	Run Reagent

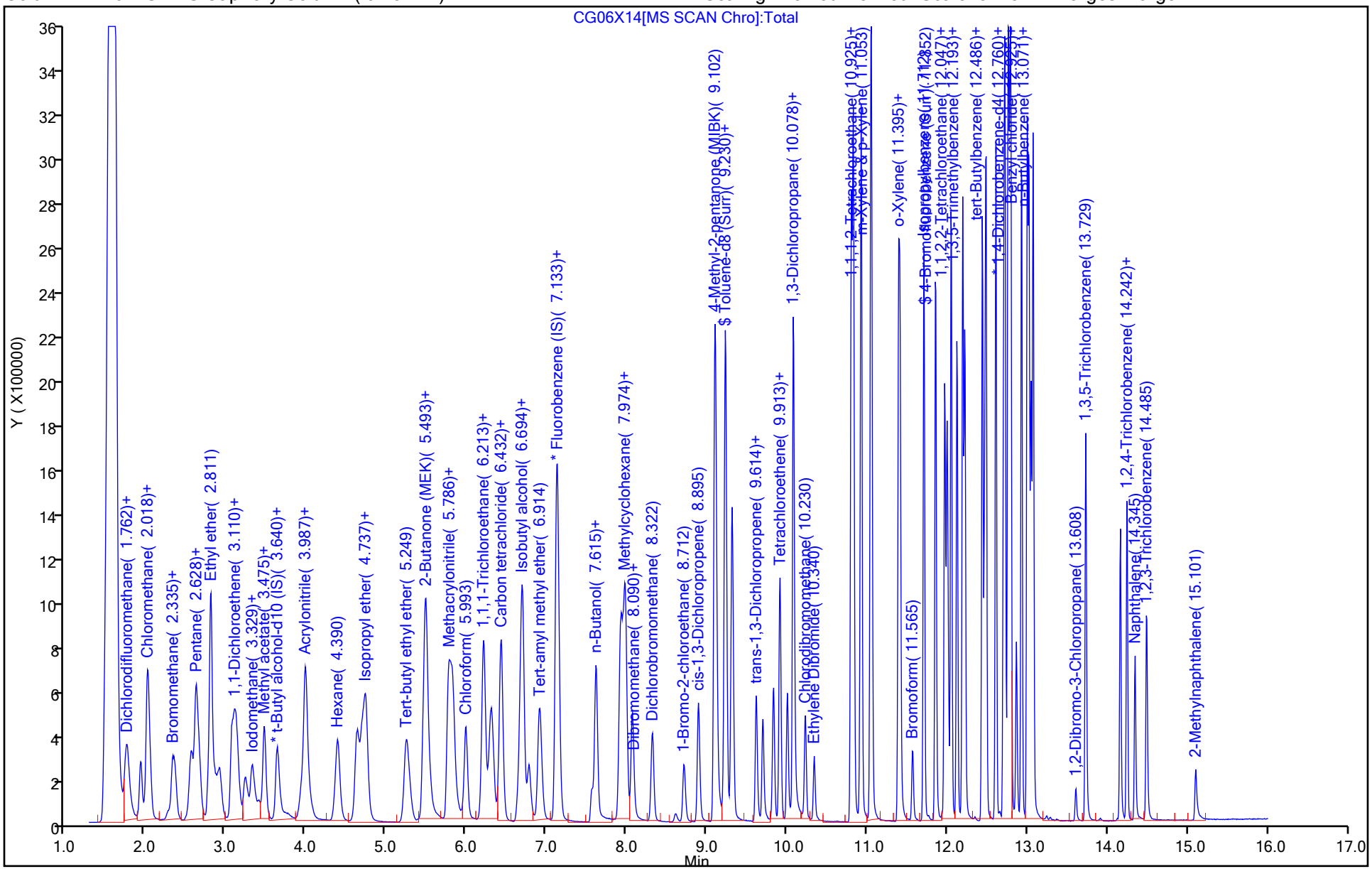
Report Date: 07-Aug-2025 09:18:10 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X14.D

Injection Date:	06-Aug-2025 15:30:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	410-234898-C-4 MSD			Worklist Smp#:	15
Client ID:	16WC1AMSD				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X14.D				
Lims ID:	410-234898-C-4 MSD				
Client ID:	16WC1AMSD				
Sample Type:	MSD				
Inject. Date:	06-Aug-2025 15:30:30	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-015				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Aug-2025 09:18:09	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:18:09

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	10.8	107.56
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.2	101.92
$ 83 Toluene-d8 (Surr)	10.0	9.81	98.09
$ 124 4-Bromofluorobenzene (Surr)	10.0	10.0	100.42

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

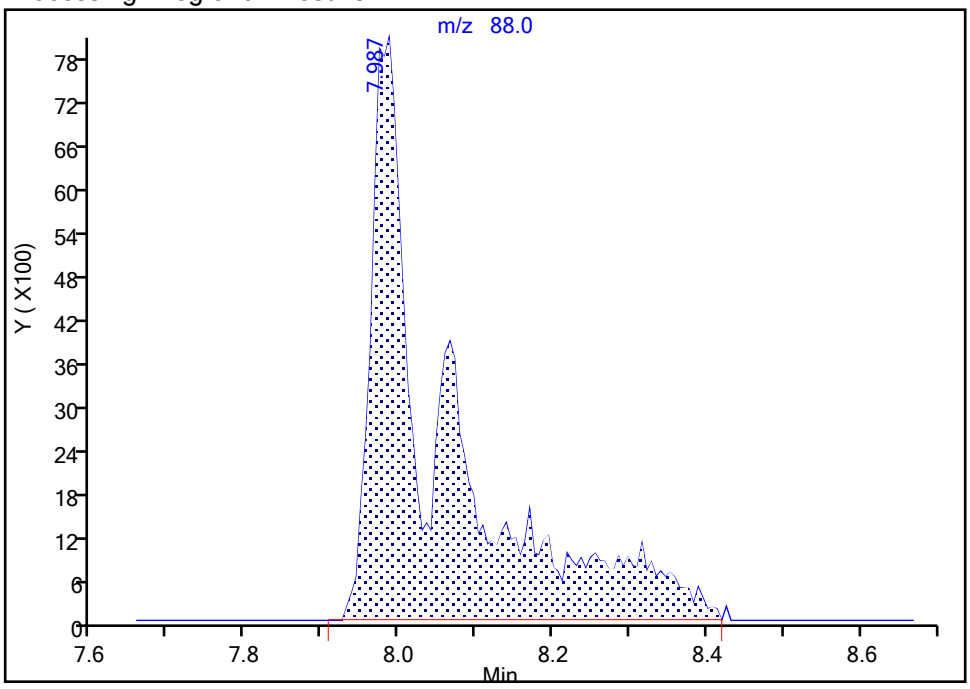
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X14.D				
Injection Date:	06-Aug-2025 15:30:30	Instrument ID:	10193		
Lims ID:	410-234898-C-4 MSD				
Client ID:	16WC1AMSD				
Operator ID:	ecr105096	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

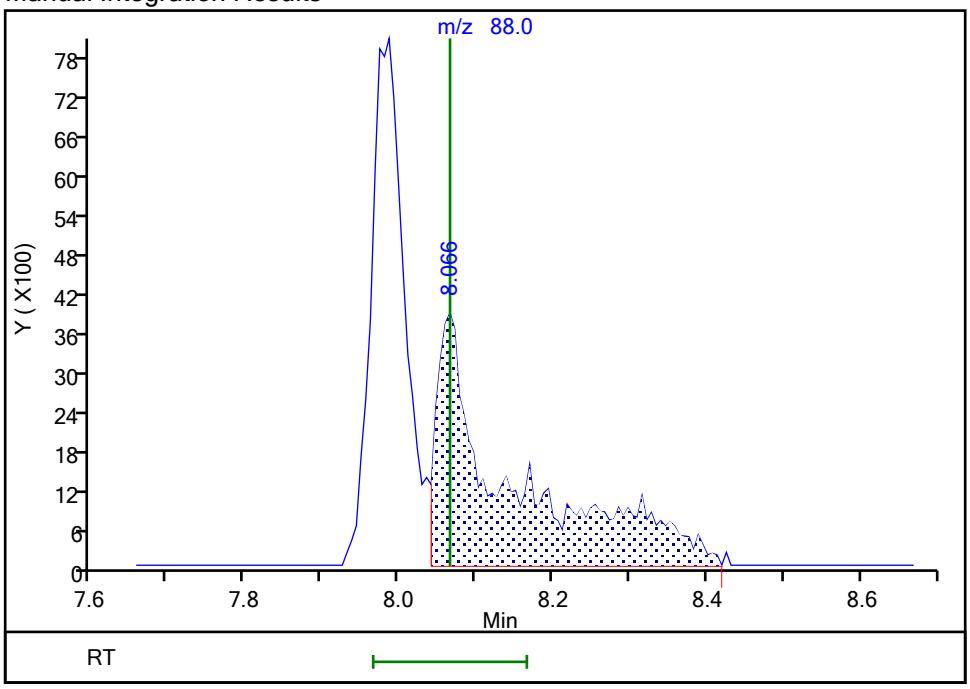
Processing Integration Results

RT: 7.99
Area: 49392
Amount: 280.3435
Amount Units: ug/l



Manual Integration Results

RT: 8.07
Area: 24983
Amount: 141.8007
Amount Units: ug/l



Reviewer: FQ4L, 07-Aug-2025 09:17:55 07:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

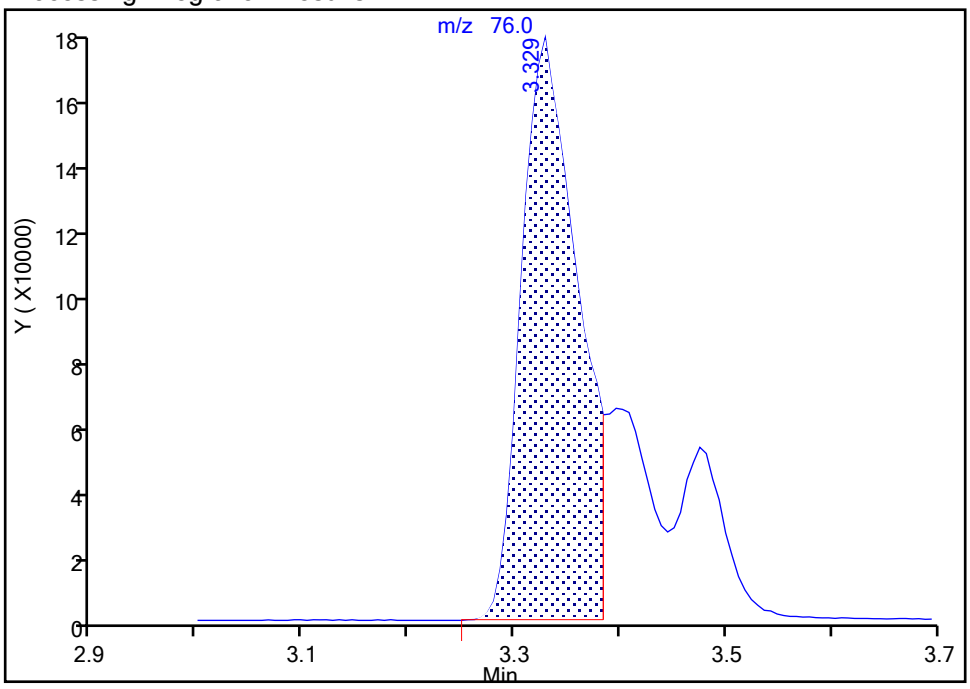
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X14.D				
Injection Date:	06-Aug-2025 15:30:30	Instrument ID:	10193		
Lims ID:	410-234898-C-4 MSD				
Client ID:	16WC1AMSD				
Operator ID:	ecr105096	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

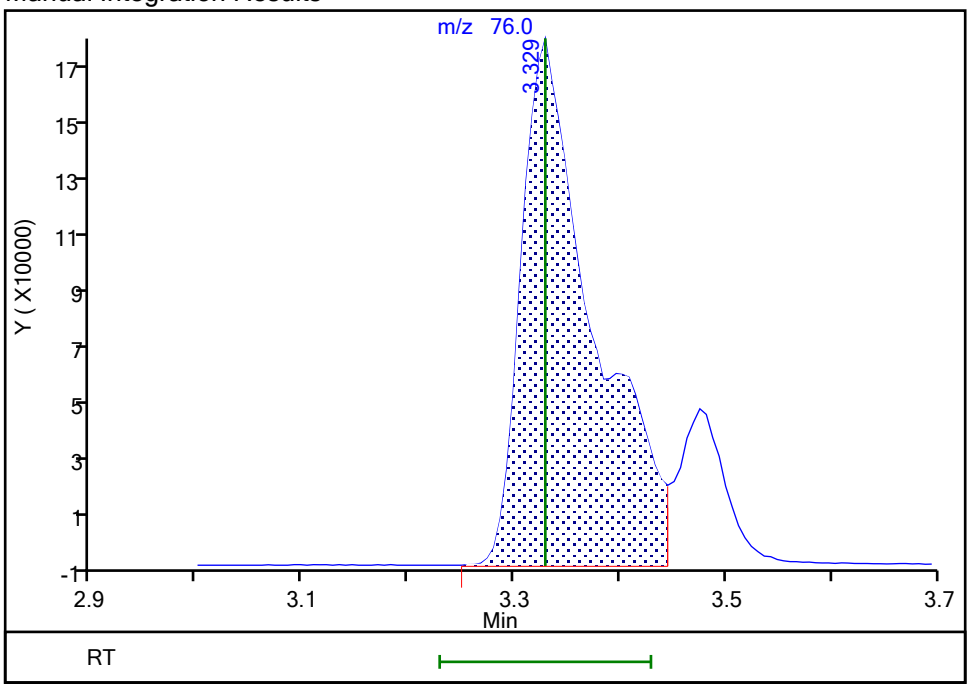
Processing Integration Results

RT: 3.33
Area: 667698
Amount: 4.734080
Amount Units: ug/l



Manual Integration Results

RT: 3.33
Area: 849425
Amount: 6.022552
Amount Units: ug/l



Reviewer: FQ4L, 07-Aug-2025 09:17:38 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1AMSD MSD
Lab Sample ID: 410-234898-4 MSD

Matrix: Water
Lab File ID: CG06X16.D

Analysis Method: 8260D
Date Collected: 07/30/2025 11:05

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 16:14

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-05-8	Acetonitrile	ND		100	31.6
108-05-4	Vinyl acetate	14.82		10.0	3.29
115-10-6	Dimethyl ether	5.131		0.500	0.300

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	109		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		80-120
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X16.D
Lims ID: 410-234898-D-4 MSD
Client ID: 16WC1AMSD
Sample Type: MSD
Inject. Date: 06-Aug-2025 16:14:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-017
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 09:16:00 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:16:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dimethyl ether	45	1.811	1.805	0.006	100	396598	4.65	5.13	
27 Acetonitrile	41	3.451	3.451	0.000	97	54248	18.8	17.5	
* 31 t-Butyl alcohol-d10 (IS)	65	3.658	3.640	0.018	95	127244	50.0	50.0	
38 Vinyl acetate	43	4.646	4.640	0.006	97	918449	12.5	14.8	
46 Ethyl acetate	43	5.554	5.554	0.000	99	75873	2.50	2.53	
$ 54 Dibromofluoromethane (Surr)	113	6.219	6.213	0.006	93	442455	10.0	10.9	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.676	6.676	0.000	99	89055	10.0	10.6	
63 Isopropyl acetate	43	6.834	6.828	0.006	99	151616	2.50	2.25	
* 65 Fluorobenzene (IS)	96	7.127	7.127	0.000	99	1717542	10.0	10.0	
75 n-Propyl acetate	61	8.176	8.170	0.006	99	24708	2.50	1.82	
$ 83 Toluene-d8 (Surr)	98	9.236	9.230	0.006	94	1744127	10.0	9.28	
109 n-Butyl acetate	43	10.230	10.224	0.006	97	111170	2.50	1.72	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1431501	10.0	10.0	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	93	654651	10.0	9.22	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	773185	10.0	10.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_LCS_V5ACE_00055	Amount Added:	2.69	Units: uL	
MSV_DME_00072	Amount Added:	0.20	Units: uL	
MSV_HP25_ISSS_00117	Amount Added:	1.00	Units: uL	Run Reagent

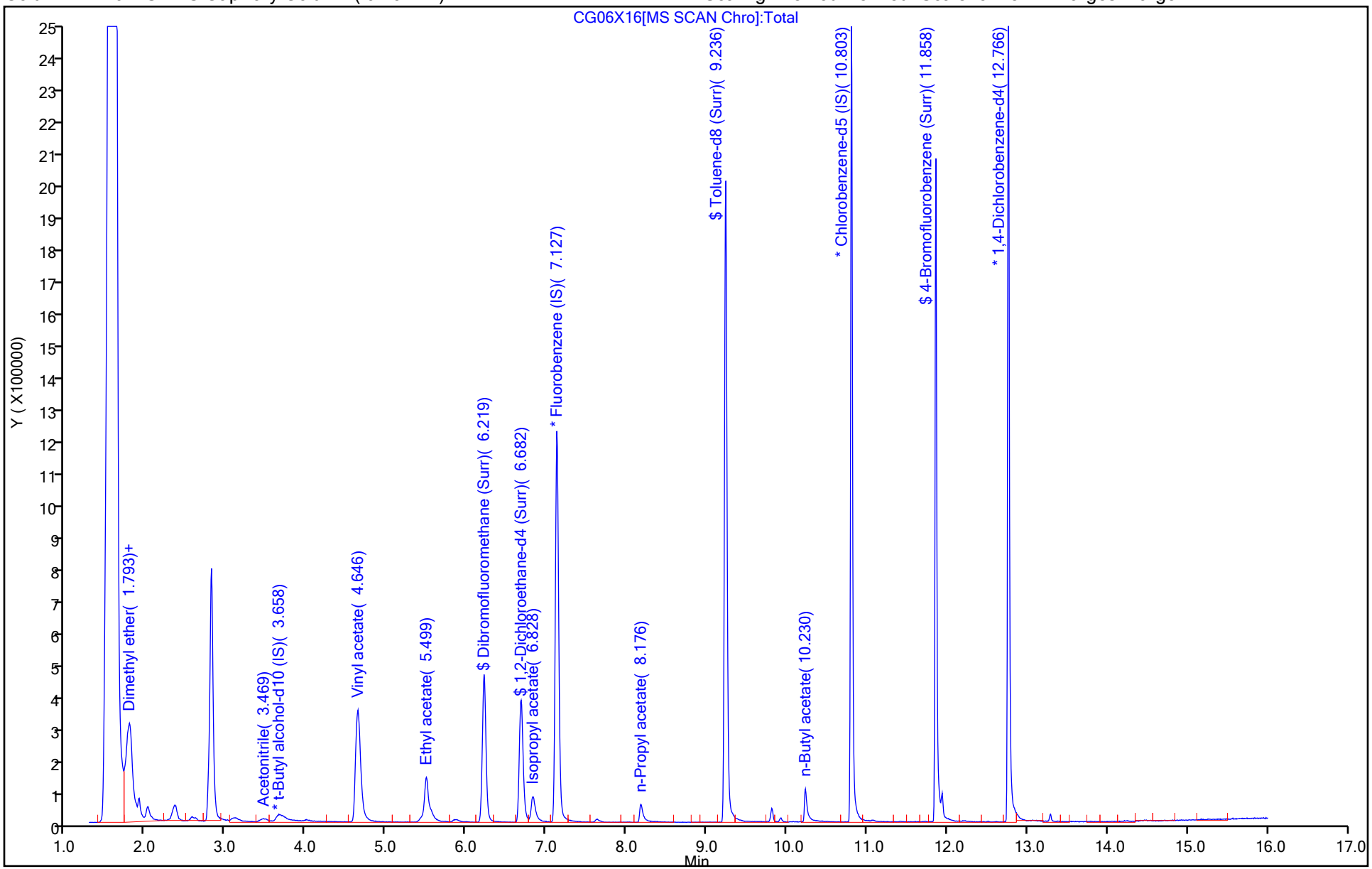
Report Date: 07-Aug-2025 09:16:18 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X16.D

Injection Date:	06-Aug-2025 16:14:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	410-234898-D-4 MSD			Worklist Smp#:	17
Client ID:	16WC1AMSD				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X16.D				
Lims ID:	410-234898-D-4 MSD				
Client ID:	16WC1AMSD				
Sample Type:	MSD				
Inject. Date:	06-Aug-2025 16:14:30	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-017				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Aug-2025 09:16:00	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:16:17

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	10.9	109.17
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.6	106.47
$ 83 Toluene-d8 (Surr)	10.0	9.28	92.76
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.22	92.21

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 10193 Start Date: 06/04/2025 16:26

Analysis Batch Number: 652703 End Date: 06/05/2025 00:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-652703/1		06/04/2025 16:26	1	CU04T01.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/3		06/04/2025 17:23	1	CU04X02.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/4		06/04/2025 17:46	1	CU04X03.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/5		06/04/2025 18:08	1	CU04X04.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/6		06/04/2025 18:30	1	CU04X05.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/7		06/04/2025 18:53	1	CU04X06.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/8		06/04/2025 19:15	1	CU04X07.D	R-624SilMS 30m 0.25(mm)
CCV 410-652703/1008		06/04/2025 19:15	1		R-624SilMS 30m 0.25(mm)
IC 410-652703/9		06/04/2025 19:37	1	CU04X08.D	R-624SilMS 30m 0.25(mm)
ICV 410-652703/11		06/04/2025 20:22	1	CU04X10.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/13		06/04/2025 21:06	1	CU04X12.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/14		06/04/2025 21:28	1	CU04X13.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/15		06/04/2025 21:51	1	CU04X14.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/16		06/04/2025 22:13	1	CU04X15.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/17		06/04/2025 22:35	1	CU04X16.D	R-624SilMS 30m 0.25(mm)
ICIS 410-652703/18		06/04/2025 22:57	1	CU04X17.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		06/04/2025 22:57	1		R-624SilMS 30m 0.25(mm)
IC 410-652703/19		06/04/2025 23:20	1	CU04X18.D	R-624SilMS 30m 0.25(mm)
ICV 410-652703/21		06/05/2025 00:04	1	CU04X20.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: 10193 Start Date: 08/06/2025 09:52

Analysis Batch Number: 681517 End Date: 08/06/2025 20:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-681517/1		08/06/2025 09:52	1	CG06T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-681517/3		08/06/2025 10:29	1	CG06X02.D	R-624SilMS 30m 0.25(mm)
CCV 410-681517/4		08/06/2025 10:52	1	CG06X03.D	R-624SilMS 30m 0.25(mm)
LCS 410-681517/5		08/06/2025 11:14	1	CG06X04.D	R-624SilMS 30m 0.25(mm)
LCS 410-681517/6		08/06/2025 11:36	1	CG06X05.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		08/06/2025 11:58	1		R-624SilMS 30m 0.25(mm)
MB 410-681517/8		08/06/2025 12:21	1	CG06X07.D	R-624SilMS 30m 0.25(mm)
410-234898-12	Trip Blank 1	08/06/2025 13:16	1	CG06X08.D	R-624SilMS 30m 0.25(mm)
410-234898-13	Trip Blank 2	08/06/2025 13:38	1	CG06X09.D	R-624SilMS 30m 0.25(mm)
410-234898-14	Trip Blank 3	08/06/2025 14:00	1	CG06X10.D	R-624SilMS 30m 0.25(mm)
410-234898-2	16MW8	08/06/2025 14:23	1	CG06X11.D	R-624SilMS 30m 0.25(mm)
410-234898-4	16WC1A	08/06/2025 14:45	1	CG06X12.D	R-624SilMS 30m 0.25(mm)
410-234898-4 MS	16WC1AMS MS	08/06/2025 15:07	1	CG06X13.D	R-624SilMS 30m 0.25(mm)
410-234898-4 MSD	16WC1AMSD MSD	08/06/2025 15:30	1	CG06X14.D	R-624SilMS 30m 0.25(mm)
410-234898-4 MS	16WC1AMS MS	08/06/2025 15:52	1	CG06X15.D	R-624SilMS 30m 0.25(mm)
410-234898-4 MSD	16WC1AMSD MSD	08/06/2025 16:14	1	CG06X16.D	R-624SilMS 30m 0.25(mm)
410-234898-5	16WDUP	08/06/2025 16:37	1	CG06X17.D	R-624SilMS 30m 0.25(mm)
410-234898-6	16WC1B	08/06/2025 16:59	1	CG06X18.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		08/06/2025 17:21	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		08/06/2025 17:43	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		08/06/2025 18:06	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		08/06/2025 18:28	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		08/06/2025 18:50	1		R-624SilMS 30m 0.25(mm)
410-234898-1	16C1	08/06/2025 19:12	1	CG06X24.D	R-624SilMS 30m 0.25(mm)
410-234898-1 DL	16C1 DL	08/06/2025 19:35	10	CG06X25.D	R-624SilMS 30m 0.25(mm)
410-234898-3	16MW9	08/06/2025 19:57	1	CG06X26.D	R-624SilMS 30m 0.25(mm)
410-234898-3 DL	16MW9 DL	08/06/2025 20:19	10	CG06X27.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 652703 Batch Start Date: 06/04/25 16:26 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	LCS_ETBR 00010	MSV_CCV_CYC 00011	MSV_CCV_V5ACE 00049
BFB 410-652703/1		8260D			1 uL	1 uL				
IC 410-652703/3		8260D			25 mL	25 mL	431126		1.6 uL	0.2 uL
IC 410-652703/4		8260D			25 mL	25 mL	431126		4 uL	0.5 uL
IC 410-652703/5		8260D			25 mL	25 mL	431126		8 uL	1 uL
IC 410-652703/6		8260D			25 mL	25 mL	431126		8 uL	1 uL
IC 410-652703/7		8260D			25 mL	25 mL	431126		8 uL	1 uL
IC 410-652703/8		8260D			25 mL	25 mL	431126		8 uL	1 uL
IC 410-652703/9		8260D			25 mL	25 mL	431126		20 uL	2.5 uL
ICV 410-652703/11		8260D			25 mL	25 mL	431126			
IC 410-652703/13		8260D			25 mL	25 mL	431126			
IC 410-652703/14		8260D			25 mL	25 mL	431126			
IC 410-652703/15		8260D			25 mL	25 mL	431126			
IC 410-652703/16		8260D			25 mL	25 mL	431126			
IC 410-652703/17		8260D			25 mL	25 mL	431126			
ICIS 410-652703/18		8260D			25 mL	25 mL	431126			
IC 410-652703/19		8260D			25 mL	25 mL	431126			
ICV 410-652703/21		8260D			25 mL	25 mL	431126	12.5 uL		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_DME 00064	MSV_HP25_ISO 00013	MSV_HP25_ISSS 00114	MSV_LCS_2CEVE 00231	MSV_LCS_ACROL 00229	MSV_LCS_CYC 00011
BFB 410-652703/1		8260D								
IC 410-652703/3		8260D			0.2 uL	1 uL				
IC 410-652703/4		8260D			0.5 uL	1 uL				
IC 410-652703/5		8260D			1 uL	1 uL				
IC 410-652703/6		8260D			1 uL	1 uL				
IC 410-652703/7		8260D			1 uL	1 uL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 652703 Batch Start Date: 06/04/25 16:26 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_DME 00064	MSV_HP25_ISO 00013	MSV_HP25_ISSS 00114	MSV_LCS_2CEVE 00231	MSV_LCS_ACROL 00229	MSV_LCS_CYC 00011
IC 410-652703/8		8260D			1 uL	1 uL				
IC 410-652703/9		8260D			2.5 uL	1 uL				
ICV 410-652703/11		8260D			0.5 uL	1 uL		12.5 uL		12.5 uL
IC 410-652703/13		8260D					1 uL			
IC 410-652703/14		8260D					1 uL			
IC 410-652703/15		8260D					1 uL			
IC 410-652703/16		8260D					1 uL			
IC 410-652703/17		8260D					1 uL			
ICIS 410-652703/18		8260D					1 uL			
IC 410-652703/19		8260D					1 uL			
ICV 410-652703/21		8260D					1 uL		12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_EE 00011	MSV_LCS_LKB 00014	MSV_LCS_Penta 00056	MSV_LCS_SMFre 00089	MSV_LCS_V5ACE 00053	MSV_LCS_VOC#1 00222
BFB 410-652703/1		8260D								
IC 410-652703/3		8260D								
IC 410-652703/4		8260D								
IC 410-652703/5		8260D								
IC 410-652703/6		8260D								
IC 410-652703/7		8260D								
IC 410-652703/8		8260D								
IC 410-652703/9		8260D								
ICV 410-652703/11		8260D				25 uL		12.5 uL	6.25 uL	
IC 410-652703/13		8260D								
IC 410-652703/14		8260D								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 652703 Batch Start Date: 06/04/25 16:26 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_EE 00011	MSV_LCS_LKB 00014	MSV_LCS_Penta 00056	MSV_LCS_SMFre 00089	MSV_LCS_V5ACE 00053	MSV_LCS_VOC#1 00222
IC 410-652703/15		8260D								
IC 410-652703/16		8260D								
IC 410-652703/17		8260D								
ICIS 410-652703/18		8260D								
IC 410-652703/19		8260D								
ICV 410-652703/21		8260D			12.5 uL		12.5 uL			12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LL_#1_826 00168	MSV_LL_#2_826 00181	MSV_LL_GAS826 00274	MSV_QC_Gas826 00263	MSV_V_BFB 00019	MSV_V_SMRV4 00088
BFB 410-652703/1		8260D							1 uL	
IC 410-652703/3		8260D								1 uL
IC 410-652703/4		8260D								2.5 uL
IC 410-652703/5		8260D								5 uL
IC 410-652703/6		8260D								5 uL
IC 410-652703/7		8260D								5 uL
IC 410-652703/8		8260D								5 uL
IC 410-652703/9		8260D								12.5 uL
ICV 410-652703/11		8260D								
IC 410-652703/13		8260D			2 uL	2 uL	2 uL			
IC 410-652703/14		8260D			2 uL	2 uL	2 uL			
IC 410-652703/15		8260D			2 uL	2 uL	2 uL			
IC 410-652703/16		8260D			2 uL	2 uL	2 uL			
IC 410-652703/17		8260D			5 uL	5 uL	5 uL			
ICIS 410-652703/18		8260D			10 uL	10 uL	10 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 652703 Batch Start Date: 06/04/25 16:26 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LL_#1_826 00168	MSV_LL_#2_826 00181	MSV_LL_GAS826 00274	MSV_QC_Gas826 00263	MSV_V_BFB 00019	MSV_V_SMRV4 00088
IC 410-652703/19		8260D			25 uL	25 uL	25 uL			
ICV 410-652703/21		8260D						12.5 uL		

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 681517 Batch Start Date: 08/06/25 09:52 Batch Analyst: Ressler, Eric

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-681517/1		8260D			1 uL	1 uL				
CCVIS 410-681517/3		8260D			25 mL	25 mL				2810
CCV 410-681517/4		8260D			25 mL	25 mL				2810
LCS 410-681517/5		8260D			25 mL	25 mL				2810
LCS 410-681517/6		8260D			25 mL	25 mL				2810
MB 410-681517/8		8260D			25 mL	25 mL				2810
410-234898-B-12	Trip Blank 1	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-234898-B-13	Trip Blank 2	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-234898-B-14	Trip Blank 3	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-234898-B-2	16MW8	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-234898-D-4	16WC1A	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-234898-D-4 MS	16WC1AMS	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-234898-C-4 MSD	16WC1AMSD	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-234898-E-4 MS	16WC1AMS	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-234898-D-4 MSD	16WC1AMSD	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-234898-D-5	16WDUP	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-234898-D-6	16WC1B	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-234898-D-1	16C1	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-234898-E-1	16C1	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	2810
410-234898-D-3	16MW9	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-234898-E-3	16MW9	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	2810

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_V5ACE 00051	MSV_DME 00072	MSV_HP25_ISSS 00117	MSV_LCS_EE 00011	MSV_LCS_Penta 00058	MSV_LCS_V5ACE 00055
BFB 410-681517/1		8260D								
CCVIS 410-681517/3		8260D					1 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 681517 Batch Start Date: 08/06/25 09:52 Batch Analyst: Ressler, Eric

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_V5ACE 00051	MSV_DME 00072	MSV_HP25_ISSS 00117	MSV_LCS_EE 00011	MSV_LCS_Penta 00058	MSV_LCS_V5ACE 00055
CCV 410-681517/4		8260D			1 uL	1 uL	1 uL			
LCS 410-681517/5		8260D					1 uL	12.5 uL	12.5 uL	
LCS 410-681517/6		8260D				0.5 uL	1 uL			6.25 uL
MB 410-681517/8		8260D					1 uL			
410-234898-B-12	Trip Blank 1	8260D	Water	T			1 uL			
410-234898-B-13	Trip Blank 2	8260D	Water	T			1 uL			
410-234898-B-14	Trip Blank 3	8260D	Water	T			1 uL			
410-234898-B-2	16MW8	8260D	Water	T			1 uL			
410-234898-D-4	16WC1A	8260D	Water	T			1 uL			
410-234898-D-4 MS	16WC1AMS	8260D	Water	T			1 uL	5.38 uL	5.38 uL	
410-234898-C-4 MSD	16WC1AMSD	8260D	Water	T			1 uL	5.38 uL	5.38 uL	
410-234898-E-4 MS	16WC1AMS	8260D	Water	T		0.2 uL	1 uL			2.69 uL
410-234898-D-4 MSD	16WC1AMSD	8260D	Water	T		0.2 uL	1 uL			2.69 uL
410-234898-D-5	16WDUP	8260D	Water	T			1 uL			
410-234898-D-6	16WC1B	8260D	Water	T			1 uL			
410-234898-D-1	16C1	8260D	Water	T			1 uL			
410-234898-E-1	16C1	8260D	Water	T			1 uL			
410-234898-D-3	16MW9	8260D	Water	T			1 uL			
410-234898-E-3	16MW9	8260D	Water	T			1 uL			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_VOC#1 00232	MSV_LL_#1_826 00173	MSV_LL_#2_826 00188	MSV_LL_GAS826 00283	MSV_QC_Gas826 00273	MSV_V_BFB 00019
BFB 410-681517/1		8260D								1 uL
CCVIS 410-681517/3		8260D				20 uL	20 uL	20 uL		
CCV 410-681517/4		8260D								
LCS 410-681517/5		8260D			12.5 uL				12.5 uL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 681517 Batch Start Date: 08/06/25 09:52 Batch Analyst: Ressler, Eric

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_VOC#1 00232	MSV_LL_#1_826 00173	MSV_LL_#2_826 00188	MSV_LL_GAS826 00283	MSV_QC_Gas826 00273	MSV_V_BFB 00019
LCS 410-681517/6		8260D								
MB 410-681517/8		8260D								
410-234898-B-12	Trip Blank 1	8260D	Water	T						
410-234898-B-13	Trip Blank 2	8260D	Water	T						
410-234898-B-14	Trip Blank 3	8260D	Water	T						
410-234898-B-2	16MW8	8260D	Water	T						
410-234898-D-4	16WC1A	8260D	Water	T						
410-234898-D-4 MS	16WC1AMS	8260D	Water	T	5.38 uL				5.38 uL	
410-234898-C-4 MSD	16WC1AMSD	8260D	Water	T	5.38 uL				5.38 uL	
410-234898-E-4 MS	16WC1AMS	8260D	Water	T						
410-234898-D-4 MSD	16WC1AMSD	8260D	Water	T						
410-234898-D-5	16WDUP	8260D	Water	T						
410-234898-D-6	16WC1B	8260D	Water	T						
410-234898-D-1	16C1	8260D	Water	T						
410-234898-E-1	16C1	8260D	Water	T						
410-234898-D-3	16MW9	8260D	Water	T						
410-234898-E-3	16MW9	8260D	Water	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8270E

Semivolatile Organic Compounds (GC/MS) by Method 8270E

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-5MS 30m ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHd14 #
16C1	410-234898-1	52	38	75	78	78	97
16MW8	410-234898-2	73	55	64	78	83	98
16MW9	410-234898-3	32	25	72	80	64	89
16WC1A	410-234898-4	3 S1-cn	9 S1-cn	70 cn	79 cn	10 S1-cn	69 cn
16WC1A RE	410-234898-4 RE	39	42	80	77	68	56
16WDUP	410-234898-5	15 cn	9 S1-cn	64 cn	77 cn	19 cn	55 cn
16WDUP RE	410-234898-5 RE	34	39	80	77	65	58
16WC1B	410-234898-6	34	25	85	80	65	83
	MB 410-681120/1-A	51	36	63	82	79	98
	MB 410-681385/1-A	66	45	75	75	81	102
	MB 410-683371/1-A	43	36	78	74	82	104
	LCS 410-681120/2-A	57	40	72	82	82	103
	LCS 410-681120/4-A	48	33	58	71	76	85
	LCS 410-681385/2-A	65	49	72	73	82	96
	LCS 410-681385/3-A	65	46	74	81	82	104
	LCS 410-683371/2-A	41	32	71	66	74	84
	LCS 410-683371/3-A	46	36	78	73	78	91
	LCSD 410-681120/3-A	58	41	76	78	89	106
	LCSD 410-681120/5-A	48	30	55	71	74	83
	LCSD 410-681385/4-A	70	52	71	76	87	100
	LCSD 410-683371/4-A	35	32	60	59	51	74
16WC1AMS MS	410-234898-4 MS	13 cn	12 cn	69 cn	77 cn	14 cn	95 cn
16WC1AMSD MSD	410-234898-4 MSD	7 S1-cn	6 S1-cn	69 cn	75 cn	12 S1-cn	98 cn

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	10-120
PHL = Phenol-d5 (Surr)	10-120
NBZ = Nitrobenzene-d5 (Surr)	33-120
FBP = 2-Fluorobiphenyl (Surr)	45-120
TBP = 2,4,6-Tribromophenol (Surr)	13-134
TPHd14 = p-Terphenyl-d14 (Surr)	26-123

Column to be used to flag recovery values

FORM II 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HG0612.D

Lab ID: LCS 410-681120/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2,4,5-Tetrachlorobenzene	50.0	40.91	82	37-124	
1,3-Dinitrobenzene	50.0	44.66	89	36-153	
bis (2-chloroisopropyl) ether	50.0	34.81	70	22-139	
2,3,4,6-Tetrachlorophenol	50.0	44.99	90	47-137	
2,4,5-Trichlorophenol	50.0	47.99	96	55-133	
2,4,6-Trichlorophenol	50.0	50.06	100	54-139	
2,4-Dichlorophenol	50.0	45.45	91	51-135	
2,4-Dinitrotoluene	50.0	45.23	90	54-143	
2,6-Dichlorophenol	50.0	43.20	86	43-146	
2,6-Dinitrotoluene	50.0	43.91	88	53-139	
2-Chloronaphthalene	50.0	46.79	94	48-124	
2-Chlorophenol	50.0	46.53	93	45-122	
2-Methylnaphthalene	50.0	45.25	90	49-124	
o-Cresol	50.0	42.38	85	42-120	
2-Nitroaniline	50.0	48.86	98	49-144	
2-Nitrophenol	50.0	44.68	89	42-145	
4-Bromophenyl-phenylether	50.0	50.16	100	49-135	
4-Chloro-3-methylphenol	50.0	39.98	80	49-130	
4-Chlorophenyl-phenyl ether	50.0	44.52	89	49-125	
m & p-Cresol	50.0	39.12	78	38-120	
Acenaphthene	50.0	43.25	87	52-125	
Acenaphthylene	50.0	46.87	94	51-131	
Anthracene	50.0	49.21	98	55-134	
Benzo[a]anthracene	50.0	52.93	106	54-134	
Benzo[a]pyrene	50.0	45.08	90	58-135	
Benzo[b]fluoranthene	50.0	45.55	91	51-132	
Benzo[g,h,i]perylene	50.0	47.56	95	50-138	
Benzo[k]fluoranthene	50.0	43.40	87	58-140	
Chrysene	50.0	50.97	102	56-136	
Dibenz(a,h)anthracene	50.0	52.67	105	47-141	
Dibenzofuran	50.0	46.30	93	50-128	
Diethyl phthalate	50.0	43.44	87	45-130	
Fluoranthene	50.0	48.65	97	56-137	
Fluorene	50.0	48.98	98	50-128	
Hexachlorobenzene	50.0	49.67	99	47-135	
Indeno[1,2,3-cd]pyrene	50.0	50.73	101	47-140	
N-Nitrosodimethylamine	50.0	26.36	53	21-120	
n-Nitrosodiphenylamine(as diphenylamine)	42.5	46.19	109	48-144	
Nitrobenzene	50.0	37.23	74	43-128	
Pentachlorophenol	100	93.31	93	45-149	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HG0612.D

Lab ID: LCS 410-681120/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Phenanthrene	50.0	47.25	94	55-132	
Phenol	50.0	24.83	50	18-120	
Pyrene	50.0	48.34	97	58-131	
Bis(2-ethylhexyl) phthalate	50.0	53.12	106	46-143	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HG0614.D

Lab ID: LCS 410-681120/4-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
5-Nitro-o-toluidine	50.0	34.53	69	31-120	
Diallate	50.0	30.11	60	44-121	
Dimethoate	50.0	26.31	53	10-120	
Ethyl methanesulfonate	50.0	34.90	70	45-120	
Hexachloropropene	50.0	25.15	50	16-120	
Isodrin	50.0	30.16	60	51-120	
Kepone	51.0	36.16 J	71	70-130	
N-Nitrosodiethylamine	50.0	31.67	63	44-120	
N-Nitrosomorpholine	50.0	27.32	55	32-120	
N-Nitrosopiperidine	50.0	35.67	71	51-120	
o,o',o''-Triethylphosphorothioate	50.0	34.23	68	38-120	
Pentachlorobenzene	50.0	34.81	70	45-120	
Phenacetin	50.0	33.66	67	47-126	
Phorate	50.0	29.38	59	36-146	
Safrole, Total	50.0	36.14	72	49-120	
Sulfotepp	50.0	27.91	56	41-122	
O,O-Diethyl O-2-pyrazinyl phosphorothioate	50.0	33.47	67	43-126	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HG0708.D

Lab ID: LCS 410-681385/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2,4,5-Tetrachlorobenzene	50.0	39.91	80	37-124	
1,3-Dinitrobenzene	50.0	42.73	85	36-153	
bis (2-chloroisopropyl) ether	50.0	37.55	75	22-139	
2,3,4,6-Tetrachlorophenol	50.0	44.85	90	47-137	
2,4,5-Trichlorophenol	50.0	55.25	110	55-133	
2,4,6-Trichlorophenol	50.0	50.89	102	54-139	
2,4-Dichlorophenol	50.0	49.41	99	51-135	
2,4-Dinitrotoluene	50.0	46.27	93	54-143	
2,6-Dichlorophenol	50.0	49.58	99	43-146	
2,6-Dinitrotoluene	50.0	46.72	93	53-139	
2-Chloronaphthalene	50.0	42.14	84	48-124	
2-Chlorophenol	50.0	47.25	94	45-122	
2-Methylnaphthalene	50.0	46.58	93	49-124	
o-Cresol	50.0	47.08	94	42-120	
2-Nitroaniline	50.0	49.27	99	49-144	
2-Nitrophenol	50.0	46.46	93	42-145	
4-Bromophenyl-phenylether	50.0	48.00	96	49-135	
4-Chloro-3-methylphenol	50.0	43.92	88	49-130	
4-Chlorophenyl-phenyl ether	50.0	43.25	87	49-125	
m & p-Cresol	50.0	44.12	88	38-120	
Acenaphthene	50.0	40.44	81	52-125	
Acenaphthylene	50.0	44.52	89	51-131	
Anthracene	50.0	47.51	95	55-134	
Benzo[a]anthracene	50.0	51.33	103	54-134	
Benzo[a]pyrene	50.0	44.26	89	58-135	
Benzo[b]fluoranthene	50.0	45.35	91	51-132	
Benzo[g,h,i]perylene	50.0	46.84	94	50-138	
Benzo[k]fluoranthene	50.0	43.45	87	58-140	
Chrysene	50.0	50.82	102	56-136	
Dibenz(a,h)anthracene	50.0	50.14	100	47-141	
Dibenzofuran	50.0	44.22	88	50-128	
Diethyl phthalate	50.0	42.74	85	45-130	
Fluoranthene	50.0	47.04	94	56-137	
Fluorene	50.0	45.88	92	50-128	
Hexachlorobenzene	50.0	45.44	91	47-135	
Indeno[1,2,3-cd]pyrene	50.0	49.44	99	47-140	
N-Nitrosodimethylamine	50.0	33.87	68	21-120	
n-Nitrosodiphenylamine(as diphenylamine)	42.5	45.31	107	48-144	
Nitrobenzene	50.0	41.97	84	43-128	
Pentachlorophenol	100	84.45	84	45-149	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HG0708.D

Lab ID: LCS 410-681385/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Phenanthrene	50.0	45.51	91	55-132	
Phenol	50.0	30.49	61	18-120	
Pyrene	50.0	48.34	97	58-131	
Bis(2-ethylhexyl) phthalate	50.0	51.90	104	46-143	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HG0709.D

Lab ID: LCS 410-681385/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
5-Nitro-o-toluidine	50.0	39.73	79	31-120	
Diallate	50.0	38.46	77	44-121	
Dimethoate	50.0	19.14	38	10-120	
Ethyl methanesulfonate	50.0	43.01	86	45-120	
Hexachloropropene	50.0	20.83	42	16-120	
Isodrin	50.0	39.23	78	51-120	
Kepone	51.0	43.12 J	84	70-130	
N-Nitrosodiethylamine	50.0	36.55	73	44-120	
N-Nitrosomorpholine	50.0	35.52	71	32-120	
N-Nitrosopiperidine	50.0	41.77	84	51-120	
o,o',o''-Triethylphosphorothioate	50.0	40.72	81	38-120	
Pentachlorobenzene	50.0	35.31	71	45-120	
Phenacetin	50.0	42.47	85	47-126	
Phorate	50.0	32.41	65	36-146	
Safrole, Total	50.0	40.78	82	49-120	
Sulfotepp	50.0	32.11	64	41-122	
O,O-Diethyl O-2-pyrazinyl phosphorothioate	50.0	44.94	90	43-126	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: DH1156.D

Lab ID: LCS 410-683371/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2,4,5-Tetrachlorobenzene	50.0	40.45	81	37-124	
1,3-Dinitrobenzene	50.0	38.62	77	36-153	
bis (2-chloroisopropyl) ether	50.0	66.53	133	22-139	
2,3,4,6-Tetrachlorophenol	50.0	41.84	84	47-137	
2,4,5-Trichlorophenol	50.0	46.38	93	55-133	
2,4,6-Trichlorophenol	50.0	43.08	86	54-139	
2,4-Dichlorophenol	50.0	45.07	90	51-135	
2,4-Dinitrotoluene	50.0	44.06	88	54-143	
2,6-Dichlorophenol	50.0	46.92	94	43-146	
2,6-Dinitrotoluene	50.0	44.99	90	53-139	
2-Chloronaphthalene	50.0	37.76	76	48-124	
2-Chlorophenol	50.0	40.83	82	45-122	
2-Methylnaphthalene	50.0	46.72	93	49-124	
o-Cresol	50.0	38.79	78	42-120	
2-Nitroaniline	50.0	40.23	80	49-144	
2-Nitrophenol	50.0	45.10	90	42-145	
4-Bromophenyl-phenylether	50.0	44.83	90	49-135	
4-Chloro-3-methylphenol	50.0	41.74	83	49-130	
4-Chlorophenyl-phenyl ether	50.0	41.16	82	49-125	
m & p-Cresol	50.0	33.63	67	38-120	
Acenaphthene	50.0	39.59	79	52-125	
Acenaphthylene	50.0	41.64	83	51-131	
Anthracene	50.0	46.75	94	55-134	
Benzo[a]anthracene	50.0	42.92	86	54-134	
Benzo[a]pyrene	50.0	45.80	92	58-135	
Benzo[b]fluoranthene	50.0	39.29	79	51-132	
Benzo[g,h,i]perylene	50.0	43.19	86	50-138	
Benzo[k]fluoranthene	50.0	47.34	95	58-140	
Chrysene	50.0	46.60	93	56-136	
Dibenz(a,h)anthracene	50.0	44.56	89	47-141	
Dibenzofuran	50.0	40.42	81	50-128	
Diethyl phthalate	50.0	37.63	75	45-130	
Fluoranthene	50.0	44.87	90	56-137	
Fluorene	50.0	42.63	85	50-128	
Hexachlorobenzene	50.0	43.86	88	47-135	
Indeno[1,2,3-cd]pyrene	50.0	43.88	88	47-140	
N-Nitrosodimethylamine	50.0	31.02	62	21-120	
n-Nitrosodiphenylamine(as diphenylamine)	42.5	37.98	89	48-144	
Nitrobenzene	50.0	46.35	93	43-128	
Pentachlorophenol	100	88.42	88	45-149	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: DH1156.D

Lab ID: LCS 410-683371/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Phenanthrene	50.0	44.01	88	55-132	
Phenol	50.0	19.88	40	18-120	
Pyrene	50.0	42.33	85	58-131	
Bis(2-ethylhexyl) phthalate	50.0	42.39	85	46-143	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: DH1157.D

Lab ID: LCS 410-683371/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
5-Nitro-o-toluidine	50.0	33.85	68	31-120	
Diallate	50.0	40.28	81	44-121	
Dimethoate	50.0	35.33	71	10-120	
Ethyl methanesulfonate	50.0	38.22	76	45-120	
Hexachloropropene	50.0	31.42	63	16-120	
Isodrin	50.0	41.19	82	51-120	
Kepone	51.0	31.20 J	61	70-130	*-
N-Nitrosodiethylamine	50.0	37.53	75	44-120	
N-Nitrosomorpholine	50.0	43.52	87	32-120	
N-Nitrosopiperidine	50.0	40.65	81	51-120	
o,o',o''-Triethylphosphorothioate	50.0	43.84	88	38-120	
Pentachlorobenzene	50.0	38.35	77	45-120	
Phenacetin	50.0	37.36	75	47-126	
Phorate	50.0	47.29	95	36-146	
Safrole, Total	50.0	41.48	83	49-120	
Sulfotepp	50.0	38.62	77	41-122	
O,O-Diethyl O-2-pyrazinyl phosphorothioate	50.0	34.69	69	43-126	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HG0613.D

Lab ID: LCSD 410-681120/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2,4,5-Tetrachlorobenzene	50.0	36.97	74	10	30	37-124	
1,3-Dinitrobenzene	50.0	45.50	91	2	30	36-153	
bis (2-chloroisopropyl) ether	50.0	33.92	68	3	30	22-139	
2,3,4,6-Tetrachlorophenol	50.0	47.08	94	5	30	47-137	
2,4,5-Trichlorophenol	50.0	50.23	100	5	30	55-133	
2,4,6-Trichlorophenol	50.0	52.99	106	6	30	54-139	
2,4-Dichlorophenol	50.0	49.03	98	8	30	51-135	
2,4-Dinitrotoluene	50.0	44.57	89	1	30	54-143	
2,6-Dichlorophenol	50.0	49.19	98	13	30	43-146	
2,6-Dinitrotoluene	50.0	44.33	89	1	30	53-139	
2-Chloronaphthalene	50.0	42.52	85	10	30	48-124	
2-Chlorophenol	50.0	48.32	97	4	30	45-122	
2-Methylnaphthalene	50.0	46.60	93	3	30	49-124	
o-Cresol	50.0	46.37	93	9	30	42-120	
2-Nitroaniline	50.0	48.59	97	1	30	49-144	
2-Nitrophenol	50.0	49.07	98	9	30	42-145	
4-Bromophenyl-phenylether	50.0	48.59	97	3	30	49-135	
4-Chloro-3-methylphenol	50.0	46.17	92	14	30	49-130	
4-Chlorophenyl-phenyl ether	50.0	41.89	84	6	30	49-125	
m & p-Cresol	50.0	40.79	82	4	30	38-120	
Acenaphthene	50.0	40.42	81	7	30	52-125	
Acenaphthylene	50.0	44.74	89	5	30	51-131	
Anthracene	50.0	51.89	104	5	30	55-134	
Benzo[a]anthracene	50.0	53.63	107	1	30	54-134	
Benzo[a]pyrene	50.0	50.21	100	11	30	58-135	
Benzo[b]fluoranthene	50.0	48.80	98	7	30	51-132	
Benzo[g,h,i]perylene	50.0	52.25	105	9	30	50-138	
Benzo[k]fluoranthene	50.0	49.67	99	13	30	58-140	
Chrysene	50.0	54.54	109	7	30	56-136	
Dibenz(a,h)anthracene	50.0	57.77	116	9	30	47-141	
Dibenzofuran	50.0	45.42	91	2	30	50-128	
Diethyl phthalate	50.0	43.17	86	1	30	45-130	
Fluoranthene	50.0	51.58	103	6	30	56-137	
Fluorene	50.0	46.30	93	6	30	50-128	
Hexachlorobenzene	50.0	49.48	99	0	30	47-135	
Indeno[1,2,3-cd]pyrene	50.0	53.86	108	6	30	47-140	
N-Nitrosodimethylamine	50.0	29.37	59	11	30	21-120	
n-Nitrosodiphenylamine(as diphenylamine)	42.5	47.17	111	2	30	48-144	
Nitrobenzene	50.0	40.79	82	9	30	43-128	
Pentachlorophenol	100	102.9	103	10	30	45-149	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HG0613.D

Lab ID: LCSD 410-681120/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Phenanthrene	50.0	50.30	101	6	30	55-132	
Phenol	50.0	25.86	52	4	30	18-120	
Pyrene	50.0	49.33	99	2	30	58-131	
Bis(2-ethylhexyl) phthalate	50.0	51.76	104	3	30	46-143	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HG0615.D

Lab ID: LCSD 410-681120/5-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
5-Nitro-o-toluidine	50.0	36.36	73	5	30	31-120	
Diallate	50.0	30.42	61	1	30	44-121	
Dimethoate	50.0	28.16	56	7	30	10-120	
Ethyl methanesulfonate	50.0	35.31	71	1	30	45-120	
Hexachloropropene	50.0	20.33	41	21	30	16-120	
Isodrin	50.0	33.48	67	10	30	51-120	
Kepone	51.0	34.60 J	68	4	30	70-130	*-
N-Nitrosodiethylamine	50.0	32.81	66	4	30	44-120	
N-Nitrosomorpholine	50.0	26.99	54	1	30	32-120	
N-Nitrosopiperidine	50.0	32.86	66	8	30	51-120	
o,o',o''-Triethylphosphorothioate	50.0	34.21	68	0	30	38-120	
Pentachlorobenzene	50.0	31.36	63	10	30	45-120	
Phenacetin	50.0	36.19	72	7	30	47-126	
Phorate	50.0	30.13	60	3	30	36-146	
Safrole, Total	50.0	31.12	62	15	30	49-120	
Sulfotepp	50.0	30.27	61	8	30	41-122	
O,O-Diethyl O-2-pyrazinyl phosphorothioate	50.0	39.43	79	16	30	43-126	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HG0710.D

Lab ID: LCSD 410-681385/4-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
5-Nitro-o-toluidine	50.0	37.20	74	7	30	31-120	
Diallate	50.0	35.72	71	7	30	44-121	
Dimethoate	50.0	7.221 J	14	90	30	10-120	*1
Ethyl methanesulfonate	50.0	44.34	89	3	30	45-120	
Hexachloropropene	50.0	21.62	43	4	30	16-120	
Isodrin	50.0	37.66	75	4	30	51-120	
Kepone	51.0	36.41 J	71	17	30	70-130	
N-Nitrosodiethylamine	50.0	38.35	77	5	30	44-120	
N-Nitrosomorpholine	50.0	35.53	71	0	30	32-120	
N-Nitrosopiperidine	50.0	40.17	80	4	30	51-120	
o,o',o''-Triethylphosphorothioate	50.0	41.75	84	3	30	38-120	
Pentachlorobenzene	50.0	38.75	78	9	30	45-120	
Phenacetin	50.0	41.11	82	3	30	47-126	
Phorate	50.0	26.31	53	21	30	36-146	
Safrole, Total	50.0	41.77	84	2	30	49-120	
Sulfotepp	50.0	28.86	58	11	30	41-122	
O,O-Diethyl O-2-pyrazinyl phosphorothioate	50.0	35.08	70	25	30	43-126	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: DH1158.D

Lab ID: LCSD 410-683371/4-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
5-Nitro-o-toluidine	50.0	29.02	58	15	30	31-120	
Diallate	50.0	36.89	74	9	30	44-121	
Dimethoate	50.0	34.18	68	3	30	10-120	
Ethyl methanesulfonate	50.0	35.28	71	8	30	45-120	
Hexachloropropene	50.0	25.42	51	21	30	16-120	
Isodrin	50.0	35.57	71	15	30	51-120	
Kepone	51.0	ND	49	23	30	70-130	*-
N-Nitrosodiethylamine	50.0	34.14	68	9	30	44-120	
N-Nitrosomorpholine	50.0	40.46	81	7	30	32-120	
N-Nitrosopiperidine	50.0	35.74	71	13	30	51-120	
o,o',o''-Triethylphosphorothioate	50.0	38.37	77	13	30	38-120	
Pentachlorobenzene	50.0	33.15	66	15	30	45-120	
Phenacetin	50.0	32.25	65	15	30	47-126	
Phorate	50.0	42.90	86	10	30	36-146	
Safrole, Total	50.0	36.20	72	14	30	49-120	
Sulfotepp	50.0	35.68	71	8	30	41-122	
O,O-Diethyl O-2-pyrazinyl phosphorothioate	50.0	30.70	61	12	30	43-126	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HG0726.D

Lab ID: 410-234898-4 MS Client ID: 16WC1AMS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,2,4,5-Tetrachlorobenzene	50.0	ND	38.95	78	37-124	cn
1,3-Dinitrobenzene	50.0	ND	44.06	88	36-153	cn
bis (2-chloroisopropyl) ether	50.0	ND	34.35	69	22-139	cn
2,3,4,6-Tetrachlorophenol	50.0	ND	15.25	30	47-137	F1 cn
2,4,5-Trichlorophenol	50.0	ND	24.78	50	55-133	F1 cn
2,4,6-Trichlorophenol	50.0	ND	18.21	36	54-139	F1 cn
2,4-Dichlorophenol	50.0	ND	18.87	38	51-135	F1 cn
2,4-Dinitrotoluene	50.0	ND	45.75	91	54-143	cn
2,6-Dichlorophenol	50.0	ND	20.10	40	43-146	F1 cn
2,6-Dinitrotoluene	50.0	ND	44.99	90	53-139	cn
2-Chloronaphthalene	50.0	ND	45.95	92	48-124	cn
2-Chlorophenol	50.0	ND	18.27	37	45-122	F1 cn
2-Methylnaphthalene	50.0	ND	45.18	90	49-124	cn
o-Cresol	50.0	ND	19.32	39	42-120	F1 cn
2-Nitroaniline	50.0	ND	47.19	94	49-144	cn
2-Nitrophenol	50.0	ND	35.00	70	42-145	cn
4-Bromophenyl-phenylether	50.0	ND	48.36	97	49-135	cn
4-Chloro-3-methylphenol	50.0	ND	18.37	37	49-130	F1 cn
4-Chlorophenyl-phenyl ether	50.0	ND	44.18	88	49-125	cn
m & p-Cresol	50.0	ND	13.51 J	27	38-120	F1 cn
Acenaphthene	50.0	ND	42.08	84	52-125	cn
Acenaphthylene	50.0	ND	45.23	90	51-131	cn
Anthracene	50.0	ND	46.78	93	55-134	cn
Benzo[a]anthracene	50.0	ND	48.90	98	54-134	cn
Benzo[a]pyrene	50.0	ND	29.69	59	58-135	cn
Benzo[b]fluoranthene	50.0	ND	46.14	92	51-132	cn
Benzo[g,h,i]perylene	50.0	ND	38.20	76	50-138	cn
Benzo[k]fluoranthene	50.0	ND	49.61	99	58-140	cn
Chrysene	50.0	ND	51.32	103	56-136	cn
Dibenz(a,h)anthracene	50.0	ND	54.96	110	47-141	cn
Dibenzofuran	50.0	ND	44.28	88	50-128	cn
Diethyl phthalate	50.0	ND	45.63	91	45-130	cn
Fluoranthene	50.0	ND	49.68	99	56-137	cn
Fluorene	50.0	ND	47.38	95	50-128	cn
Hexachlorobenzene	50.0	ND	46.43	93	47-135	cn
Indeno[1,2,3-cd]pyrene	50.0	ND	51.31	103	47-140	cn
N-Nitrosodimethylamine	50.0	ND	25.27	50	21-120	cn
n-Nitrosodiphenylamine(as diphenylamine)	42.5	ND	46.35	109	48-144	cn
Nitrobenzene	50.0	ND	41.64	83	43-128	cn
Pentachlorophenol	100	ND	28.35	28	45-149	F1 cn

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HG0726.D

Lab ID: 410-234898-4 MS Client ID: 16WC1AMS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Phenanthrene	50.0	ND	45.89	92	55-132	cn
Phenol	50.0	ND	7.778 J	16	18-120	F1 cn
Pyrene	50.0	ND	45.08	90	58-131	cn
Bis(2-ethylhexyl) phthalate	50.0	ND	51.85	104	46-143	cn

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HG0727.D

Lab ID: 410-234898-4 MSD Client ID: 16WC1AMSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2,4,5-Tetrachlorobenzene	50.2	41.62	83	7	30	37-124	cn
1,3-Dinitrobenzene	50.2	41.57	83	6	30	36-153	cn
bis (2-chloroisopropyl) ether	50.2	34.89	70	2	30	22-139	cn
2,3,4,6-Tetrachlorophenol	50.2	14.01	28	8	30	47-137	F1 cn
2,4,5-Trichlorophenol	50.2	19.25	38	25	30	55-133	F1 cn
2,4,6-Trichlorophenol	50.2	13.94	28	27	30	54-139	F1 cn
2,4-Dichlorophenol	50.2	13.38	27	34	30	51-135	F2 F1 cn
2,4-Dinitrotoluene	50.2	46.20	92	1	30	54-143	cn
2,6-Dichlorophenol	50.2	15.57	31	25	30	43-146	F1 cn
2,6-Dinitrotoluene	50.2	46.38	92	3	30	53-139	cn
2-Chloronaphthalene	50.2	45.13	90	2	30	48-124	cn
2-Chlorophenol	50.2	11.59	23	45	30	45-122	F2 F1 cn
2-Methylnaphthalene	50.2	46.77	93	3	30	49-124	cn
o-Cresol	50.2	12.91	26	40	30	42-120	F2 F1 cn
2-Nitroaniline	50.2	51.68	103	9	30	49-144	cn
2-Nitrophenol	50.2	34.12	68	3	30	42-145	cn
4-Bromophenyl-phenylether	50.2	45.93	92	5	30	49-135	cn
4-Chloro-3-methylphenol	50.2	11.22	22	48	30	49-130	F2 F1 cn
4-Chlorophenyl-phenyl ether	50.2	45.32	90	3	30	49-125	cn
m & p-Cresol	50.2	7.903 J	16	52	30	38-120	F2 F1 cn
Acenaphthene	50.2	42.11	84	0	30	52-125	cn
Acenaphthylene	50.2	47.24	94	4	30	51-131	cn
Anthracene	50.2	45.59	91	3	30	55-134	cn
Benzo[a]anthracene	50.2	51.86	103	6	30	54-134	cn
Benzo[a]pyrene	50.2	31.55	63	6	30	58-135	cn
Benzo[b]fluoranthene	50.2	46.76	93	1	30	51-132	cn
Benzo[g,h,i]perylene	50.2	40.00	80	5	30	50-138	cn
Benzo[k]fluoranthene	50.2	48.21	96	3	30	58-140	cn
Chrysene	50.2	55.73	111	8	30	56-136	cn
Dibenz(a,h)anthracene	50.2	56.15	112	2	30	47-141	cn
Dibenzofuran	50.2	45.27	90	2	30	50-128	cn
Diethyl phthalate	50.2	43.71	87	4	30	45-130	cn
Fluoranthene	50.2	48.04	96	3	30	56-137	cn
Fluorene	50.2	47.78	95	1	30	50-128	cn
Hexachlorobenzene	50.2	44.13	88	5	30	47-135	cn
Indeno[1,2,3-cd]pyrene	50.2	49.58	99	3	30	47-140	cn

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HG0727.D

Lab ID: 410-234898-4 MSD Client ID: 16WC1AMSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
N-Nitrosodimethylamine	50.2	27.24	54	7	30	21-120	cn
n-Nitrosodiphenylamine(as diphenylamine)	42.6	44.04	103	5	30	48-144	cn
Nitrobenzene	50.2	40.53	81	3	30	43-128	cn
Pentachlorophenol	100	29.53	29	4	30	45-149	F1 cn
Phenanthrene	50.2	45.60	91	1	30	55-132	cn
Phenol	50.2	4.416 J	9	55	30	18-120	F2 F1 cn
Pyrene	50.2	47.54	95	5	30	58-131	cn
Bis(2-ethylhexyl) phthalate	50.2	54.58	109	5	30	46-143	cn

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: HG0611.D Lab Sample ID: MB 410-681120/1-A

Matrix: Water Date Extracted: 08/05/2025 16:09

Instrument ID: HP23264 Date Analyzed: 08/06/2025 11:47

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-681120/2-A	HG0612.D	08/06/2025 12:08
	LCSD 410-681120/3-A	HG0613.D	08/06/2025 12:28
	LCS 410-681120/4-A	HG0614.D	08/06/2025 12:48
	LCSD 410-681120/5-A	HG0615.D	08/06/2025 13:09
16MW8	410-234898-2	HG0630.D	08/06/2025 18:13

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: HG0707.D Lab Sample ID: MB 410-681385/1-A

Matrix: Water Date Extracted: 08/06/2025 07:35

Instrument ID: HP23264 Date Analyzed: 08/07/2025 10:30

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-681385/2-A	HG0708.D	08/07/2025 10:50
	LCS 410-681385/3-A	HG0709.D	08/07/2025 11:11
	LCSD 410-681385/4-A	HG0710.D	08/07/2025 11:31
16C1	410-234898-1	HG0723.D	08/07/2025 15:55
16MW9	410-234898-3	HG0724.D	08/07/2025 16:16
16WC1A	410-234898-4	HG0725.D	08/07/2025 16:36
16WC1AMS MS	410-234898-4 MS	HG0726.D	08/07/2025 16:56
16WC1AMSD MSD	410-234898-4 MSD	HG0727.D	08/07/2025 17:17
16WDUP	410-234898-5	HG0728.D	08/07/2025 17:37
16WC1B	410-234898-6	DH0765.D	08/08/2025 01:23

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: DH1155.D Lab Sample ID: MB 410-683371/1-A

Matrix: Water Date Extracted: 08/10/2025 16:20

Instrument ID: HP19760 Date Analyzed: 08/11/2025 22:21

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-683371/2-A	DH1156.D	08/11/2025 22:42
	LCS 410-683371/3-A	DH1157.D	08/11/2025 23:03
	LCSD 410-683371/4-A	DH1158.D	08/11/2025 23:24
16WC1A RE	410-234898-4 RE	DH1173.D	08/12/2025 04:38
16WDUP RE	410-234898-5 RE	DH1174.D	08/12/2025 04:59

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: DF1700a.D DFTPP Injection Date: 06/17/2025

Instrument ID: HP19760 DFTPP Injection Time: 08:48

Analysis Batch No.: 658667

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	34.7	
68	Less than 2% of mass 69	0.6	(1.4) 1
69	Mass 69 Relative abundance	42.7	
70	Less than 2% of mass 69	0.0	(0.0) 1
127	10-80% of Base Peak	46.2	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.5	
275	10-60% of Base Peak	24.4	
365	Greater than 1% of mass 198	2.8	
441	present but less than 24% of mass 442	13.0	(15.5) 2
442	Greater than 50% of mass 198	83.6	
443	15-24% of mass 442	16.1	(19.2) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 410-658667/13	DF1712.D	06/17/2025	13:35

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: DF2550.D DFTPP Injection Date: 06/25/2025

Instrument ID: HP19760 DFTPP Injection Time: 23:15

Analysis Batch No.: 662998

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	32.5	
68	Less than 2% of mass 69	0.8	(1.9) 1
69	Mass 69 Relative abundance	41.7	
70	Less than 2% of mass 69	0.1	(0.3) 1
127	10-80% of Base Peak	46.8	
197	Less than 2% of mass 198	0.3	
198	Base peak	100.0	
199	5-9% of mass 198	6.4	
275	10-60% of Base Peak	24.8	
365	Greater than 1% of mass 198	2.6	
441	present but less than 24% of mass 442	14.2	(15.8) 2
442	Greater than 50% of mass 198	90.1	
443	15-24% of mass 442	17.5	(19.4) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 410-662998/2	DF2551.D	06/25/2025	23:30
	IC 410-662998/3	DF2552.D	06/25/2025	23:57
	IC 410-662998/4	DF2553.D	06/26/2025	0:18
	IC 410-662998/5	DF2554.D	06/26/2025	0:39
	IC 410-662998/6	DF2555.D	06/26/2025	0:59
	IC 410-662998/7	DF2556.D	06/26/2025	1:20
	IC 410-662998/8	DF2557.D	06/26/2025	1:41
	IC 410-662998/9	DF2558.D	06/26/2025	2:03
	ICV 410-662998/12	DF2561.D	06/26/2025	3:14
	ICV 410-662998/14	DF2563.D	06/26/2025	3:56
	ICV 410-662998/15	DF2564.D	06/26/2025	4:17

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: BFB Injection Date:

Instrument ID: BFB Injection Time:

Lab File ID: DFTPP Injection Date:

Instrument ID: DFTPP Injection Time:

Analysis Batch No.:

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE

NOTE: All ion abundances shall be normalized to m/z 95, the nominal base peak, even though the ion abundance of m/z 174 may be up to 120% that of m/z 95. Criteria based on EPA method 524.4.

NOTE: All ion abundances MUST be normalized to m/z 198, the nominal base peak, even though the ion abundance of m/z 442 may exceed that of m/z 198.

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-664240/7	DF2756.D	06/27/2025	22:02
	IC 410-664240/8	DF2757.D	06/27/2025	22:23
	IC 410-664240/9	DF2758.D	06/27/2025	22:43
	IC 410-664240/10	DF2759.D	06/27/2025	23:04
	IC 410-664240/11	DF2760.D	06/27/2025	23:25
	IC 410-664240/12	DF2761.D	06/27/2025	23:46

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: DH0750.D DFTPP Injection Date: 08/07/2025

Instrument ID: HP19760 DFTPP Injection Time: 19:33

Analysis Batch No.: 682464

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	39.8	
68	Less than 2% of mass 69	0.7	(1.7) 1
69	Mass 69 Relative abundance	40.7	
70	Less than 2% of mass 69	0.3	(0.8) 1
127	10-80% of Base Peak	44.0	
197	Less than 2% of mass 198	0.4	
198	Base peak	100.0	
199	5-9% of mass 198	6.8	
275	10-60% of Base Peak	23.9	
365	Greater than 1% of mass 198	2.8	
441	present but less than 24% of mass 442	13.1	(15.2) 2
442	Greater than 50% of mass 198	86.3	
443	15-24% of mass 442	17.1	(19.8) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-682464/2	DH0751.D	08/07/2025	19:54
	CCV 410-682464/5	DH0752.D	08/07/2025	20:44
16WC1B	410-234898-6	DH0765.D	08/08/2025	1:23

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: DH1150.D DFTPP Injection Date: 08/11/2025

Instrument ID: HP19760 DFTPP Injection Time: 19:26

Analysis Batch No.: 683977

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	40.1	
68	Less than 2% of mass 69	0.7	(1.7) 1
69	Mass 69 Relative abundance	41.6	
70	Less than 2% of mass 69	0.3	(0.7) 1
127	10-80% of Base Peak	44.6	
197	Less than 2% of mass 198	0.5	
198	Base peak	100.0	
199	5-9% of mass 198	6.8	
275	10-60% of Base Peak	24.3	
365	Greater than 1% of mass 198	2.7	
441	present but less than 24% of mass 442	13.6	(15.8) 2
442	Greater than 50% of mass 198	86.3	
443	15-24% of mass 442	17.1	(19.8) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-683977/2	DH1151.D	08/11/2025	19:50
	CCV 410-683977/38	DH1152.D	08/11/2025	20:38
	MB 410-683371/1-A	DH1155.D	08/11/2025	22:21
	LCS 410-683371/2-A	DH1156.D	08/11/2025	22:42
	LCS 410-683371/3-A	DH1157.D	08/11/2025	23:03
	LCSD 410-683371/4-A	DH1158.D	08/11/2025	23:24
16WC1A RE	410-234898-4 RE	DH1173.D	08/12/2025	4:38
16WDUP RE	410-234898-5 RE	DH1174.D	08/12/2025	4:59

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: JC1150a.D DFTPP Injection Date: 03/11/2025

Instrument ID: HP23264 DFTPP Injection Time: 19:17

Analysis Batch No.: 615736

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	33.7	
68	Less than 2% of mass 69	0.7	(1.6) 1
69	Mass 69 Relative abundance	45.9	
70	Less than 2% of mass 69	0.1	(0.2) 1
127	10-80% of Base Peak	39.3	
197	Less than 2% of mass 198	1.2	
198	Base peak	100.0	
199	5-9% of mass 198	6.4	
275	10-60% of Base Peak	27.2	
365	Greater than 1% of mass 198	4.0	
441	present but less than 24% of mass 442	19.4	(16.4) 2
442	Greater than 50% of mass 198	118.3	
443	15-24% of mass 442	24.7	(20.9) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 410-615736/11	JC1160.D	03/11/2025	23:49

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: JD1400a.D DFTPP Injection Date: 04/14/2025

Instrument ID: HP23264 DFTPP Injection Time: 10:59

Analysis Batch No.: 630243

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	34.7	
68	Less than 2% of mass 69	0.7	(1.5) 1
69	Mass 69 Relative abundance	44.9	
70	Less than 2% of mass 69	0.2	(0.4) 1
127	10-80% of Base Peak	40.6	
197	Less than 2% of mass 198	1.6	
198	Base peak	100.0	
199	5-9% of mass 198	6.4	
275	10-60% of Base Peak	26.1	
365	Greater than 1% of mass 198	4.0	
441	present but less than 24% of mass 442	19.6	(15.6) 2
442	Greater than 50% of mass 198	125.7	
443	15-24% of mass 442	24.9	(19.8) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 410-630243/2	JD1401a.D	04/14/2025	11:33
	IC 410-630243/3	JD1403.D	04/14/2025	12:03
	IC 410-630243/4	JD1404.D	04/14/2025	12:24
	IC 410-630243/5	JD1405.D	04/14/2025	12:46
	IC 410-630243/6	JD1406.D	04/14/2025	13:07
	IC 410-630243/7	JD1407.D	04/14/2025	13:28
	IC 410-630243/8	JD1408.D	04/14/2025	13:50
	IC 410-630243/9	JD1409.D	04/14/2025	14:11
	ICV 410-630243/12	JD1412.D	04/14/2025	15:15

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: JE0750b.D DFTPP Injection Date: 05/07/2025

Instrument ID: HP23264 DFTPP Injection Time: 23:19

Analysis Batch No.: 641051

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	43.6	
68	Less than 2% of mass 69	0.9	(1.5) 1
69	Mass 69 Relative abundance	58.1	
70	Less than 2% of mass 69	0.3	(0.6) 1
127	10-80% of Base Peak	50.4	
197	Less than 2% of mass 198	0.9	
198	Base peak	100.0	
199	5-9% of mass 198	7.4	
275	10-60% of Base Peak	24.0	
365	Greater than 1% of mass 198	3.6	
441	present but less than 24% of mass 442	20.1	(15.2) 2
442	Greater than 50% of mass 198	132.2	
443	15-24% of mass 442	25.6	(19.4) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 410-641051/2	JE0751a.D	05/07/2025	23:49
	IC 410-641051/3	JE0752.D	05/08/2025	0:10
	IC 410-641051/4	JE0753.D	05/08/2025	0:31
	IC 410-641051/5	JE0754.D	05/08/2025	0:53
	IC 410-641051/6	JE0755.D	05/08/2025	1:14
	IC 410-641051/7	JE0756.D	05/08/2025	1:36
	IC 410-641051/8	JE0757.D	05/08/2025	1:57
	IC 410-641051/9	JE0758.D	05/08/2025	2:18
	ICV 410-641051/12	JE0761.D	05/08/2025	3:22

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: BFB Injection Date:

Instrument ID: BFB Injection Time:

Lab File ID: DFTPP Injection Date:

Instrument ID: DFTPP Injection Time:

Analysis Batch No.:

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE

NOTE: All ion abundances shall be normalized to m/z 95, the nominal base peak, even though the ion abundance of m/z 174 may be up to 120% that of m/z 95. Criteria based on EPA method 524.4.

NOTE: All ion abundances MUST be normalized to m/z 198, the nominal base peak, even though the ion abundance of m/z 442 may exceed that of m/z 198.

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-652434/5	JF0354.D	06/03/2025	22:26
	IC 410-652434/6	JF0355.D	06/03/2025	22:48
	IC 410-652434/7	JF0356.D	06/03/2025	23:09
	IC 410-652434/8	JF0357.D	06/03/2025	23:30
	IC 410-652434/9	JF0358.D	06/03/2025	23:52
	IC 410-652434/10	JF0359.D	06/04/2025	0:13

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: JF2550a.D DFTPP Injection Date: 06/25/2025

Instrument ID: HP23264 DFTPP Injection Time: 22:42

Analysis Batch No.: 663002

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	41.3	
68	Less than 2% of mass 69	1.0	(1.9) 1
69	Mass 69 Relative abundance	49.6	
70	Less than 2% of mass 69	0.3	(0.7) 1
127	10-80% of Base Peak	40.8	
197	Less than 2% of mass 198	0.6	
198	Base peak	100.0	
199	5-9% of mass 198	6.6	
275	10-60% of Base Peak	24.3	
365	Greater than 1% of mass 198	3.0	
441	present but less than 24% of mass 442	13.2	(14.9) 2
442	Greater than 50% of mass 198	88.8	
443	15-24% of mass 442	17.6	(19.8) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 410-663002/2	JF2551.D	06/25/2025	23:02
	IC 410-663002/3	JF2552.D	06/25/2025	23:30
	IC 410-663002/4	JF2553.D	06/25/2025	23:52
	IC 410-663002/5	JF2554.D	06/26/2025	0:13
	IC 410-663002/6	JF2555.D	06/26/2025	0:34
	IC 410-663002/7	JF2556.D	06/26/2025	0:56
	IC 410-663002/8	JF2557.D	06/26/2025	1:17
	IC 410-663002/9	JF2558.D	06/26/2025	1:38
	ICV 410-663002/12	JF2561.D	06/26/2025	2:43
	ICV 410-663002/14	JF2563.D	06/26/2025	3:26
	ICV 410-663002/15	JF2564.D	06/26/2025	3:47

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: HG0600.D DFTPP Injection Date: 08/06/2025

Instrument ID: HP23264 DFTPP Injection Time: 07:05

Analysis Batch No.: 681375

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	35.2	
68	Less than 2% of mass 69	0.3	(0.6) 1
69	Mass 69 Relative abundance	45.7	
70	Less than 2% of mass 69	0.1	(0.2) 1
127	10-80% of Base Peak	40.6	
197	Less than 2% of mass 198	0.9	
198	Base peak	100.0	
199	5-9% of mass 198	5.9	
275	10-60% of Base Peak	23.5	
365	Greater than 1% of mass 198	2.9	
441	present but less than 24% of mass 442	19.2	(16.0) 2
442	Greater than 50% of mass 198	120.2	
443	15-24% of mass 442	23.2	(19.3) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-681375/2	HG0601.D	08/06/2025	7:51
	CCV 410-681375/34	HG0605.D	08/06/2025	9:25
	MB 410-681120/1-A	HG0611.D	08/06/2025	11:47
	LCS 410-681120/2-A	HG0612.D	08/06/2025	12:08
	LCSD 410-681120/3-A	HG0613.D	08/06/2025	12:28
	LCS 410-681120/4-A	HG0614.D	08/06/2025	12:48
	LCSD 410-681120/5-A	HG0615.D	08/06/2025	13:09
16MW8	410-234898-2	HG0630.D	08/06/2025	18:13

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab File ID: HG0700.D DFTPP Injection Date: 08/07/2025

Instrument ID: HP23264 DFTPP Injection Time: 07:48

Analysis Batch No.: 682061

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	42.4	
68	Less than 2% of mass 69	0.2	(0.4) 1
69	Mass 69 Relative abundance	49.5	
70	Less than 2% of mass 69	0.0	(0.0) 1
127	10-80% of Base Peak	42.2	
197	Less than 2% of mass 198	1.5	
198	Base peak	100.0	
199	5-9% of mass 198	6.8	
275	10-60% of Base Peak	26.6	
365	Greater than 1% of mass 198	3.1	
441	present but less than 24% of mass 442	15.2	(14.7) 2
442	Greater than 50% of mass 198	103.5	
443	15-24% of mass 442	21.3	(20.5) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-682061/2	HG0701.D	08/07/2025	8:11
	CCV 410-682061/6	HG0704.D	08/07/2025	9:29
	MB 410-681385/1-A	HG0707.D	08/07/2025	10:30
	LCS 410-681385/2-A	HG0708.D	08/07/2025	10:50
	LCS 410-681385/3-A	HG0709.D	08/07/2025	11:11
	LCSD 410-681385/4-A	HG0710.D	08/07/2025	11:31
16C1	410-234898-1	HG0723.D	08/07/2025	15:55
16MW9	410-234898-3	HG0724.D	08/07/2025	16:16
16WC1A	410-234898-4	HG0725.D	08/07/2025	16:36
16WC1AMS MS	410-234898-4 MS	HG0726.D	08/07/2025	16:56
16WC1AMSD MSD	410-234898-4 MSD	HG0727.D	08/07/2025	17:17
16WDUP	410-234898-5	HG0728.D	08/07/2025	17:37

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: ICIS 410-662998/2 Date Analyzed: 06/25/2025 23:30

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DF2551.D Heated Purge: (Y/N) N

Calibration ID: 74112

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		182383	3.93	653513	5.17	347333	6.83
UPPER LIMIT		364766	4.43	1307026	5.67	694666	7.33
LOWER LIMIT		91192	3.43	326757	4.67	173667	6.33
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-662998/12		216105	3.93	779479	5.16	405310	6.83
ICV 410-662998/14		165679	3.93	594632	5.16	311123	6.83
ICV 410-662998/15		159635	3.93	560977	5.16	290676	6.83
CCVIS 410-682464/2		215883	3.83	799840	5.07	471541	6.74
CCVIS 410-683977/2		208098	3.84	744335	5.07	440743	6.75

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: ICIS 410-662998/2 Date Analyzed: 06/25/2025 23:30

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DF2551.D Heated Purge: (Y/N) N

Calibration ID: 74112

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		602020	8.24	600230	9.57	479703	12.52
UPPER LIMIT		1204040	8.74	1200460	10.07	959406	13.02
LOWER LIMIT		301010	7.74	300115	9.07	239852	12.02
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-662998/12		708255	8.23	696203	9.57	537213	12.52
ICV 410-662998/14		557393	8.23	532060	9.57	379808	12.52
ICV 410-662998/15		518284	8.23	497787	9.57	356152	12.52
CCVIS 410-682464/2		791260	8.14	805207	9.48	609848	12.37
CCVIS 410-683977/2		768068	8.15	785434	9.48	594460	12.38

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: CCVIS 410-682464/2 Date Analyzed: 08/07/2025 19:54

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DH0751.D Heated Purge: (Y/N) N

Calibration ID: 75026

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		215883	3.83	799840	5.07	471541	6.74
UPPER LIMIT		431766	4.33	1599680	5.57	943082	7.24
LOWER LIMIT		107942	3.33	399920	4.57	235771	6.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
410-234898-6	16WC1B	187024	3.83	690745	5.07	395456	6.74

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: CCVIS 410-682464/2 Date Analyzed: 08/07/2025 19:54

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DH0751.D Heated Purge: (Y/N) N

Calibration ID: 75026

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		791260	8.14	805207	9.48	609848	12.37
UPPER LIMIT		1582520	8.64	1610414	9.98	1219696	12.87
LOWER LIMIT		395630	7.64	402604	8.98	304924	11.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
410-234898-6	16WC1B	681771	8.14	666875	9.47	475225	12.37

PHN = Phenanthrene-d10
PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: CCVIS 410-683977/2 Date Analyzed: 08/11/2025 19:50

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DH1151.D Heated Purge: (Y/N) N

Calibration ID: 75026

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		208098	3.84	744335	5.07	440743	6.75
UPPER LIMIT		416196	4.34	1488670	5.57	881486	7.25
LOWER LIMIT		104049	3.34	372168	4.57	220372	6.25
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-683371/1-A		149371	3.84	565662	5.07	327275	6.74
LCS 410-683371/2-A		173252	3.84	611776	5.07	364363	6.74
LCS 410-683371/3-A		206560	3.84	753352	5.07	418837	6.74
LCSD 410-683371/4-A		201985	3.84	768910	5.07	429160	6.74
410-234898-4 RE	16WC1A RE	150168	3.84	606531	5.07	339455	6.74
410-234898-5 RE	16WDUP RE	150473	3.84	607225	5.07	343928	6.74

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: CCVIS 410-683977/2 Date Analyzed: 08/11/2025 19:50

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DH1151.D Heated Purge: (Y/N) N

Calibration ID: 75026

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		768068	8.15	785434	9.48	594460	12.38
UPPER LIMIT		1536136	8.65	1570868	9.98	1188920	12.88
LOWER LIMIT		384034	7.65	392717	8.98	297230	11.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-683371/1-A		594598	8.14	567317	9.48	402787	12.37
LCS 410-683371/2-A		612286	8.14	608429	9.48	461135	12.37
LCS 410-683371/3-A		728200	8.14	694371	9.47	492189	12.37
LCSD 410-683371/4-A		738441	8.14	682438	9.48	457643	12.37
410-234898-4 RE	16WC1A RE	619979	8.14	615192	9.47	445064	12.37
410-234898-5 RE	16WDUP RE	602343	8.14	619212	9.48	506705	12.37

PHN = Phenanthrene-d10
PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: ICIS 410-630243/2 Date Analyzed: 04/14/2025 11:33

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JD1401a.D Heated Purge: (Y/N) N

Calibration ID: 71724

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		181020	4.44	677126	5.66	398829	7.34
UPPER LIMIT		362040	4.94	1354252	6.16	797658	7.84
LOWER LIMIT		90510	3.94	338563	5.16	199415	6.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-630243/12		151922	4.44	532113	5.66	322490	7.33

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: ICIS 410-630243/2 Date Analyzed: 04/14/2025 11:33

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JD1401a.D Heated Purge: (Y/N) N

Calibration ID: 71724

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		732664	8.75	750133	10.11	678187	13.37
UPPER LIMIT		1465328	9.25	1500266	10.61	1356374	13.87
LOWER LIMIT		366332	8.25	375067	9.61	339094	12.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-630243/12		595736	8.75	639717	10.10	581169	13.36

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: ICIS 410-641051/2 Date Analyzed: 05/07/2025 23:49

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JE0751a.D Heated Purge: (Y/N) N

Calibration ID: 72461

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		206113	4.34	831564	5.56	463358	7.23
UPPER LIMIT		412226	4.84	1663128	6.06	926716	7.73
LOWER LIMIT		103057	3.84	415782	5.06	231679	6.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-641051/12		156224	4.33	632334	5.55	344580	7.23

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: ICIS 410-641051/2 Date Analyzed: 05/07/2025 23:49

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JE0751a.D Heated Purge: (Y/N) N

Calibration ID: 72461

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		806658	8.64	870930	9.99	867161	13.20
UPPER LIMIT		1613316	9.14	1741860	10.49	1734322	13.70
LOWER LIMIT		403329	8.14	435465	9.49	433581	12.70
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-641051/12		692881	8.64	735873	9.99	757750	13.19

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: ICIS 410-663002/2 Date Analyzed: 06/25/2025 23:02

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JF2551.D Heated Purge: (Y/N) N

Calibration ID: 74121

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		192866	4.00	625703	5.23	372785	6.91
UPPER LIMIT		385732	4.50	1251406	5.73	745570	7.41
LOWER LIMIT		96433	3.50	312852	4.73	186393	6.41
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-663002/12		178528	4.00	643974	5.23	385493	6.90
ICV 410-663002/14		170271	4.00	535841	5.23	324960	6.90
ICV 410-663002/15		155106	4.00	499040	5.23	310150	6.90
CCVIS 410-681375/2		167230	3.89	569696	5.13	325575	6.81
CCVIS 410-682061/2		145973	3.89	478789	5.13	275245	6.81

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: ICIS 410-663002/2 Date Analyzed: 06/25/2025 23:02

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JF2551.D Heated Purge: (Y/N) N

Calibration ID: 74121

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		667007	8.32	725580	9.65	513065	12.65
UPPER LIMIT		1334014	8.82	1451160	10.15	1026130	13.15
LOWER LIMIT		333504	7.82	362790	9.15	256533	12.15
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-663002/12		725649	8.31	786341	9.65	594225	12.64
ICV 410-663002/14		622050	8.31	663563	9.65	438006	12.64
ICV 410-663002/15		581109	8.31	606093	9.65	432511	12.64
CCVIS 410-681375/2		605268	8.22	644382	9.55	539631	12.51
CCVIS 410-682061/2		502684	8.22	571997	9.55	480258	12.50

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: CCVIS 410-681375/2 Date Analyzed: 08/06/2025 07:51

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): HG0601.D Heated Purge: (Y/N) N

Calibration ID: 75126

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		167230	3.89	569696	5.13	325575	6.81
UPPER LIMIT		334460	4.39	1139392	5.63	651150	7.31
LOWER LIMIT		83615	3.39	284848	4.63	162788	6.31
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-681120/1-A		110599	3.89	401849	5.13	230496	6.81
LCS 410-681120/2-A		111327	3.89	406618	5.13	233748	6.81
LCSD 410-681120/3-A		114155	3.89	382874	5.13	250693	6.81
LCS 410-681120/4-A		130210	3.88	458096	5.13	257158	6.80
LCSD 410-681120/5-A		133609	3.89	484060	5.13	262733	6.81
410-234898-2	16MW8	120568	3.89	460557	5.13	254726	6.80

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: CCVIS 410-681375/2 Date Analyzed: 08/06/2025 07:51

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): HG0601.D Heated Purge: (Y/N) N

Calibration ID: 75126

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		605268	8.22	644382	9.55	539631	12.51
UPPER LIMIT		1210536	8.72	1288764	10.05	1079262	13.01
LOWER LIMIT		302634	7.72	322191	9.05	269816	12.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-681120/1-A		441022	8.21	481661	9.55	382450	12.50
LCS 410-681120/2-A		430146	8.21	455702	9.55	379330	12.50
LCSD 410-681120/3-A		434407	8.21	474431	9.55	367333	12.50
LCS 410-681120/4-A		508603	8.21	532464	9.55	403452	12.50
LCSD 410-681120/5-A		492965	8.21	551459	9.55	388012	12.50
410-234898-2	16MW8	447317	8.21	487472	9.55	370483	12.50

PHN = Phenanthrene-d10
PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: CCVIS 410-682061/2 Date Analyzed: 08/07/2025 08:11

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): HG0701.D Heated Purge: (Y/N) N

Calibration ID: 75126

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		145973	3.89	478789	5.13	275245	6.81
UPPER LIMIT		291946	4.39	957578	5.63	550490	7.31
LOWER LIMIT		72987	3.39	239395	4.63	137623	6.31
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-681385/1-A		87701	3.89	324979	5.13	195955	6.80
LCS 410-681385/2-A		113574	3.89	391099	5.13	242821	6.81
LCS 410-681385/3-A		122926	3.89	443464	5.13	247240	6.80
LCSD 410-681385/4-A		118427	3.89	443519	5.13	252277	6.80
410-234898-1	16C1	96004	3.88	348207	5.13	222209	6.80
410-234898-3	16MW9	103376	3.89	335769	5.13	195714	6.80
410-234898-4	16WC1A	101675	3.88	366682	5.13	212998	6.80
410-234898-4 MS	16WC1AMS MS	112773	3.89	393617	5.13	234769	6.80
410-234898-4 MSD	16WC1AMSD MSD	105230	3.89	374397	5.13	227987	6.80
410-234898-5	16WDUP	134062	3.89	462080	5.13	253021	6.80

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Sample No.: CCVIS 410-682061/2 Date Analyzed: 08/07/2025 08:11

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): HG0701.D Heated Purge: (Y/N) N

Calibration ID: 75126

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		502684	8.22	571997	9.55	480258	12.50
UPPER LIMIT		1005368	8.72	1143994	10.05	960516	13.00
LOWER LIMIT		251342	7.72	285999	9.05	240129	12.00
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-681385/1-A		353782	8.21	368740	9.55	292304	12.50
LCS 410-681385/2-A		443288	8.21	468202	9.55	348889	12.50
LCS 410-681385/3-A		455045	8.21	459384	9.55	363917	12.50
LCSD 410-681385/4-A		461560	8.21	464522	9.55	378555	12.50
410-234898-1	16C1	425890	8.21	431154	9.55	354245	12.50
410-234898-3	16MW9	374402	8.21	398255	9.55	341691	12.50
410-234898-4	16WC1A	383611	8.21	414250	9.55	342214	12.50
410-234898-4 MS	16WC1AMS MS	430711	8.21	470775	9.55	365418	12.50
410-234898-4 MSD	16WC1AMSD MSD	430643	8.21	445869	9.55	371611	12.50
410-234898-5	16WDUP	496101	8.21	517909	9.55	426805	12.50

PHN = Phenanthrene-d10
PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16C1
Lab Sample ID: 410-234898-1

Matrix: Water
Lab File ID: HG0723.D

Analysis Method: 8270E
Date Collected: 07/30/2025 14:20

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 249.7(mL)
Date Analyzed: 08/07/2025 15:55

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		10.0	2.00
99-65-0	1,3-Dinitrobenzene	ND		10.0	2.30
108-60-1	bis (2-chloroisopropyl) ether	ND	cn	10.0	0.601
58-90-2	2,3,4,6-Tetrachlorophenol	ND		10.0	1.80
95-95-4	2,4,5-Trichlorophenol	ND		10.0	2.00
88-06-2	2,4,6-Trichlorophenol	ND		10.0	1.80
120-83-2	2,4-Dichlorophenol	ND		10.0	1.59
121-14-2	2,4-Dinitrotoluene	ND		10.0	2.10
87-65-0	2,6-Dichlorophenol	ND		10.0	1.40
606-20-2	2,6-Dinitrotoluene	ND		10.0	2.10
91-58-7	2-Chloronaphthalene	ND		10.0	0.501
95-57-8	2-Chlorophenol	ND		10.0	1.00
91-57-6	2-Methylnaphthalene	ND		10.0	0.290
95-48-7	o-Cresol	ND		10.0	0.961
88-74-4	2-Nitroaniline	ND		10.0	1.00
88-75-5	2-Nitrophenol	ND		10.0	1.27
101-55-3	4-Bromophenyl-phenylether	ND		10.0	0.561
59-50-7	4-Chloro-3-methylphenol	ND		10.0	1.00
7005-72-3	4-Chlorophenyl-phenyl ether	ND		10.0	0.601
106-44-5	m & p-Cresol	ND		20.0	2.47
99-55-8	5-Nitro-o-toluidine	ND		10.0	2.00
83-32-9	Acenaphthene	ND		10.0	0.350
208-96-8	Acenaphthylene	ND		10.0	0.481
120-12-7	Anthracene	ND		10.0	0.521
56-55-3	Benzo[a]anthracene	ND		10.0	0.451
50-32-8	Benzo[a]pyrene	ND		10.0	1.50
205-99-2	Benzo[b]fluoranthene	ND		10.0	1.20
191-24-2	Benzo[g,h,i]perylene	ND		10.0	0.421
207-08-9	Benzo[k]fluoranthene	ND		10.0	1.60
218-01-9	Chrysene	ND		10.0	0.310

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16C1
Lab Sample ID: 410-234898-1

Matrix: Water
Lab File ID: HG0723.D

Analysis Method: 8270E
Date Collected: 07/30/2025 14:20

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 249.7(mL)
Date Analyzed: 08/07/2025 15:55

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2303-16-4	Diallate	ND		10.0	3.00
53-70-3	Dibenz(a,h)anthracene	ND		10.0	0.380
132-64-9	Dibenzofuran	ND		10.0	0.601
84-66-2	Diethyl phthalate	ND		10.0	2.00
60-51-5	Dimethoate	ND	*1	10.0	3.00
62-50-0	Ethyl methanesulfonate	ND		10.0	1.10
206-44-0	Fluoranthene	ND		10.0	0.421
86-73-7	Fluorene	ND		10.0	0.380
118-74-1	Hexachlorobenzene	ND		10.0	0.871
1888-71-7	Hexachloropropene	ND		10.0	2.00
193-39-5	Indeno[1,2,3-cd]pyrene	ND		10.0	0.150
465-73-6	Isodrin	ND		10.0	1.10
143-50-0	Kepone	ND		50.1	25.0
55-18-5	N-Nitrosodiethylamine	ND		10.0	3.00
62-75-9	N-Nitrosodimethylamine	ND		10.0	2.00
86-30-6	n-Nitrosodiphenylamine(as diphenylamine)	ND		10.0	0.581
59-89-2	N-Nitrosomorpholine	ND		10.0	3.00
100-75-4	N-Nitrosopiperidine	ND		10.0	1.10
98-95-3	Nitrobenzene	ND		10.0	0.601
126-68-1	o,o',o''-Triethylphosphorothioate	ND		10.0	2.60
608-93-5	Pentachlorobenzene	ND		10.0	1.60
62-44-2	Phenacetin	ND		10.0	1.40
87-86-5	Pentachlorophenol	ND		10.0	3.00
85-01-8	Phenanthrene	ND		10.0	0.521
108-95-2	Phenol	ND		10.0	0.771
298-02-2	Phorate	ND		10.0	2.50
129-00-0	Pyrene	ND		10.0	0.410
94-59-7	Safrole, Total	ND		10.0	2.20
3689-24-5	Sulfotepp	ND		10.0	2.40

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16C1
Lab Sample ID: 410-234898-1

Matrix: Water
Lab File ID: HG0723.D

Analysis Method: 8270E
Date Collected: 07/30/2025 14:20

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 249.7(mL)
Date Analyzed: 08/07/2025 15:55

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
297-97-2	O,O-Diethyl O-2-pyrazinyl phosphorothioate	ND		10.0	2.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		10.0	2.00

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	78		13-134
321-60-8	2-Fluorobiphenyl (Surr)	78		45-120
367-12-4	2-Fluorophenol (Surr)	52		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	75		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	97		26-123
4165-62-2	Phenol-d5 (Surr)	38		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0723.D
Lims ID: 410-234898-L-1-A
Client ID: 16C1
Sample Type: Client
Inject. Date: 07-Aug-2025 15:55:30 ALS Bottle#: 23 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-234898-L-1-A
Misc. Info.: 410-0155808-024
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 19:44:43 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 19:36:06

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
	2 N-Nitrosodimethylamine	74		1.549				ND	7
$	9 2-Fluorophenol	112	2.635	2.637	-0.006	93	304846	13.0	
	11 N-Nitrosodiethylamine	102		2.833				ND	
	12 Ethyl methanesulfonate	109		3.143				ND	
$	15 Phenol-d5	99	3.569	3.564	0.000	96	330708	9.42	
	16 Phenol	94		3.581				ND	7
	19 2-Chlorophenol	128		3.692				ND	7
*	22 1,4-Dichlorobenzene-d4	152	3.884	3.890	-0.006	97	96004	5.00	
	29 2-Methylphenol	108		4.176				ND	
	30 2,2'-oxybis[1-chloropropane]	45		4.176				ND	7
	35 N-Nitrosomorpholine	56		4.328				ND	7
	34 4-Methylphenol	108		4.334				ND	7
$	39 Nitrobenzene-d5	82	4.439	4.439	0.000	88	777869	18.7	
	40 Nitrobenzene	77		4.462				ND	7
	41 N-Nitrosopiperidine	114		4.608				ND	
	43 2-Nitrophenol	139		4.772				ND	7
	46 o,o',o''-Triethylphosphorothioat	198		4.900				ND	
	49 2,4-Dichlorophenol	162		5.017				ND	
*	52 Naphthalene-d8	136	5.128	5.128	0.000	99	348207	5.00	
	57 2,6-Dichlorophenol	162		5.227				ND	
	58 Hexachloropropene	213		5.233				ND	
	65 4-Chloro-3-methylphenol	107		5.730				ND	7
	66 Safrole, Total	162		5.753				ND	
	67 2-Methylnaphthalene	142		5.823				ND	7
	70 1,2,4,5-Tetrachlorobenzene	216		5.986				ND	
	79 2,4,6-Trichlorophenol	196		6.109				ND	
	80 2,4,5-Trichlorophenol	196		6.156				ND	
$	81 2-Fluorobiphenyl (Surr)	172	6.179	6.185	-0.006	100	1231565	19.5	
	84 2-Chloronaphthalene	162		6.284				ND	7
	87 2-Nitroaniline	138		6.407				ND	
	91 1,3-Dinitrobenzene	168		6.617				ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
92 2,6-Dinitrotoluene	165		6.646				ND	U
93 Acenaphthylene	152		6.675				ND	7
* 96 Acenaphthene-d10	164	6.804	6.804	0.000	93	222209	5.00	
97 Acenaphthene	153		6.839				ND	
99 Pentachlorobenzene	250		6.967				ND	7
101 Dibenzofuran	168		7.008				ND	7
102 2,4-Dinitrotoluene	165		7.026				ND	7
105 2,3,4,6-Tetrachlorophenol	232		7.143				ND	
107 Diethyl phthalate	149		7.265				ND	7
108 Fluorene	166		7.329				ND	7
109 Thionazin	107		7.335				ND	7
110 4-Chlorophenyl phenyl ether	204		7.347				ND	
111 N-Nitro-o-toluidine	152		7.364				ND	
114 N-Nitrosodiphenylamine	169		7.464				ND	U
$ 116 2,4,6-Tribromophenol	330	7.563	7.563	0.000	93	206329	19.5	
117 Sulfotepp	97		7.639				ND	7
120 cis-Diallate	86		7.744				ND	7
119 Phorate	75		7.750				ND	7
121 Phenacetin	108		7.785				ND	
122 4-Bromophenyl phenyl ether	248		7.808				ND	7
123 trans-Diallate	86		7.826				ND	U
124 Hexachlorobenzene	284		7.849				ND	
125 Dimethoate	87		7.919				ND	7
127 Pentachlorophenol	266		8.053				ND	7
* 131 Phenanthrene-d10	188	8.211	8.211	0.000	97	425890	5.00	
132 Phenanthrene	178		8.234				ND	7
135 Anthracene	178		8.287				ND	7
143 Isodrin	193		9.215				ND	U
144 Fluoranthene	202		9.361				ND	U
* 146 Pyrene-d10 (IS)	212	9.548	9.554	-0.006	97	431154	5.00	
147 Pyrene	202		9.572				ND	U
S 68 Diallate	86		9.653				ND	7
$ 148 p-Terphenyl-d14	244	9.747	9.747	-0.006	98	1410527	24.2	
154 Kepone	272		10.208				ND	
156 Benzo[a]anthracene	228		10.763				ND	7
159 Chrysene	228		10.798				ND	7
160 Bis(2-ethylhexyl) phthalate	149		10.874				ND	7
164 Benzo[b]fluoranthene	252		12.018				ND	7
165 Benzo[k]fluoranthene	252		12.047				ND	7
166 Benzo[a]pyrene	252		12.427				ND	U
* 167 Perylene-d12	264	12.497	12.497	0.000	97	354245	5.00	
171 Indeno[1,2,3-cd]pyrene	276		13.939				ND	7
172 Dibenz(a,h)anthracene	278		13.980				ND	7
173 Benzo[g,h,i]perylene	276		14.284				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

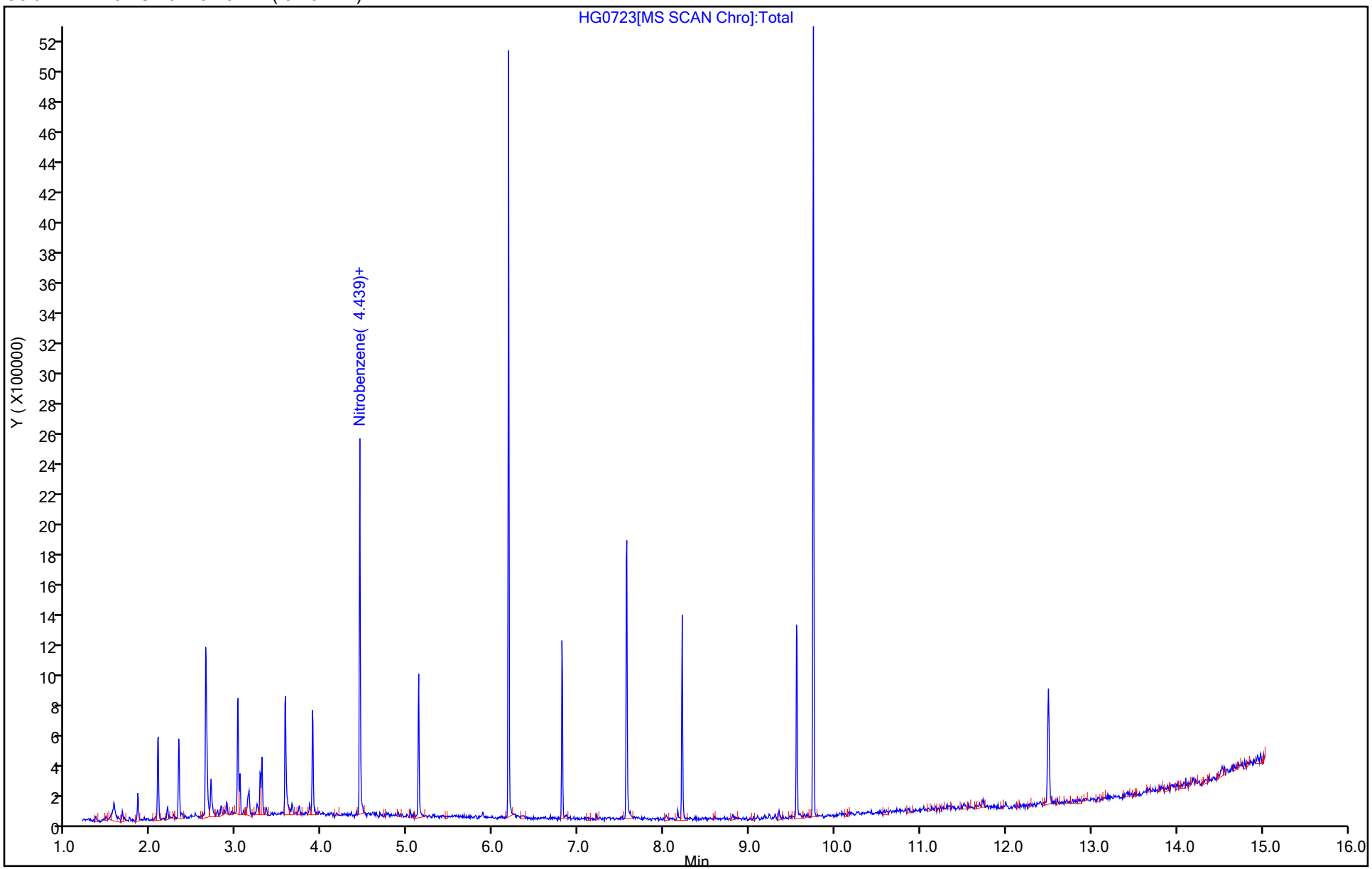
MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 07-Aug-2025 19:44:52 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0723.D				
Injection Date:	07-Aug-2025 15:55:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	410-234898-L-1-A	Lab Sample ID:	410-234898-1	Worklist Smp#:	24
Client ID:	16C1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0723.D
Lims ID: 410-234898-L-1-A
Client ID: 16C1
Sample Type: Client
Inject. Date: 07-Aug-2025 15:55:30 ALS Bottle#: 23 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-234898-L-1-A
Misc. Info.: 410-0155808-024
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 19:44:43 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 19:36:06

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	13.0	52.02
$ 15 Phenol-d5	25.0	9.42	37.67
$ 39 Nitrobenzene-d5	25.0	18.7	74.90
$ 81 2-Fluorobiphenyl (Surr)	25.0	19.5	78.07
$ 116 2,4,6-Tribromophenol	25.0	19.5	78.05
$ 148 p-Terphenyl-d14	25.0	24.2	96.97

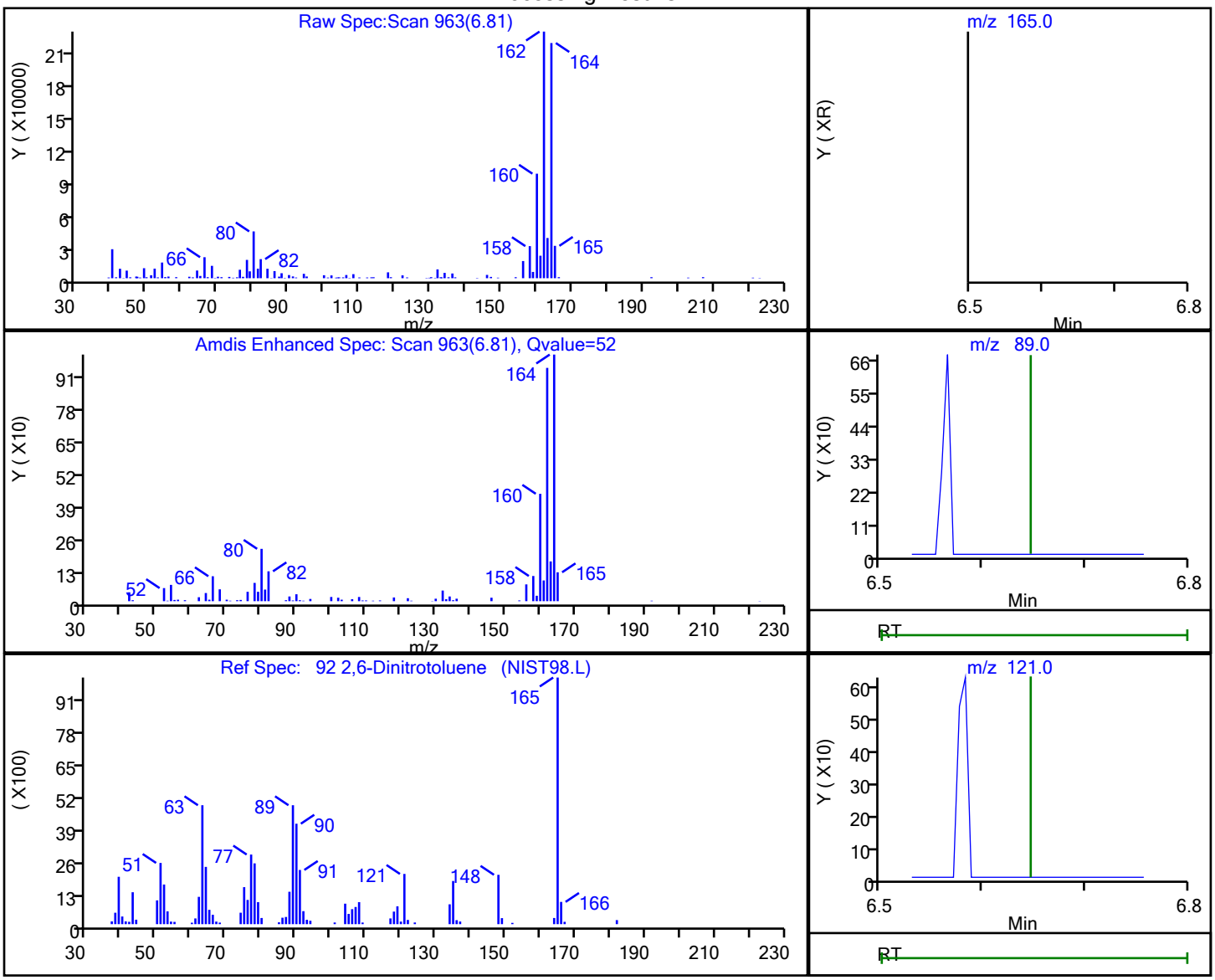
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0723.D				
Injection Date:	07-Aug-2025 15:55:30	Instrument ID:	HP23264		
Lims ID:	410-234898-L-1-A	Lab Sample ID:	410-234898-1		
Client ID:	16C1				
Operator ID:	CJS101602	ALS Bottle#:	23	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

92 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
6.81	165.00	25768	1.890769
6.80	89.00	699	
6.85	121.00	473	
6.81	63.00	734	

Reviewer: RN6U, 07-Aug-2025 19:35:26 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

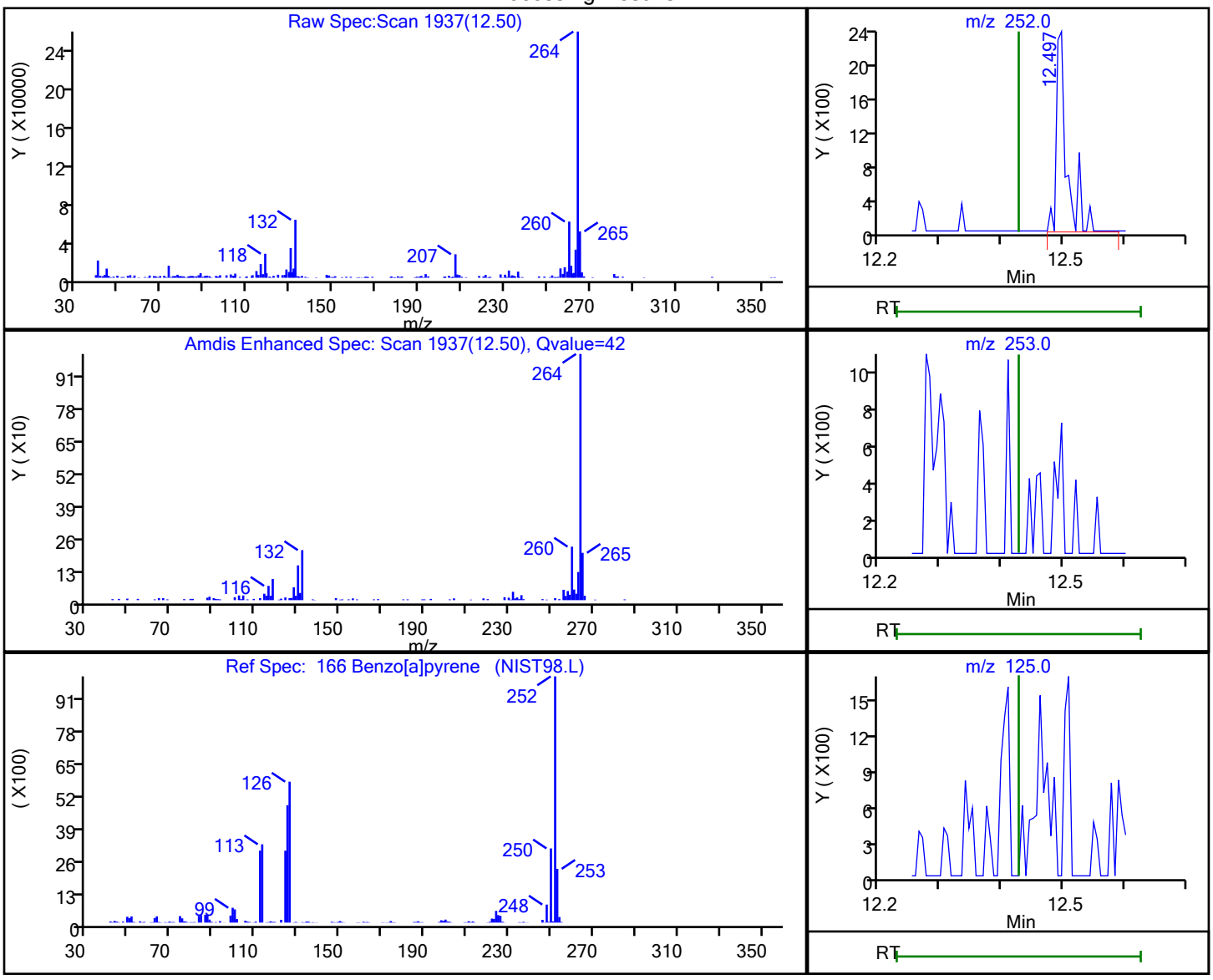
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0723.D				
Injection Date:	07-Aug-2025 15:55:30	Instrument ID:	HP23264		
Lims ID:	410-234898-L-1-A	Lab Sample ID:	410-234898-1		
Client ID:	16C1				
Operator ID:	CJS101602	ALS Bottle#:	23	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

166 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.50	252.00	2718	0.033018
12.43	253.00	0	
12.43	125.00	0	

Reviewer: RN6U, 07-Aug-2025 19:36:03 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

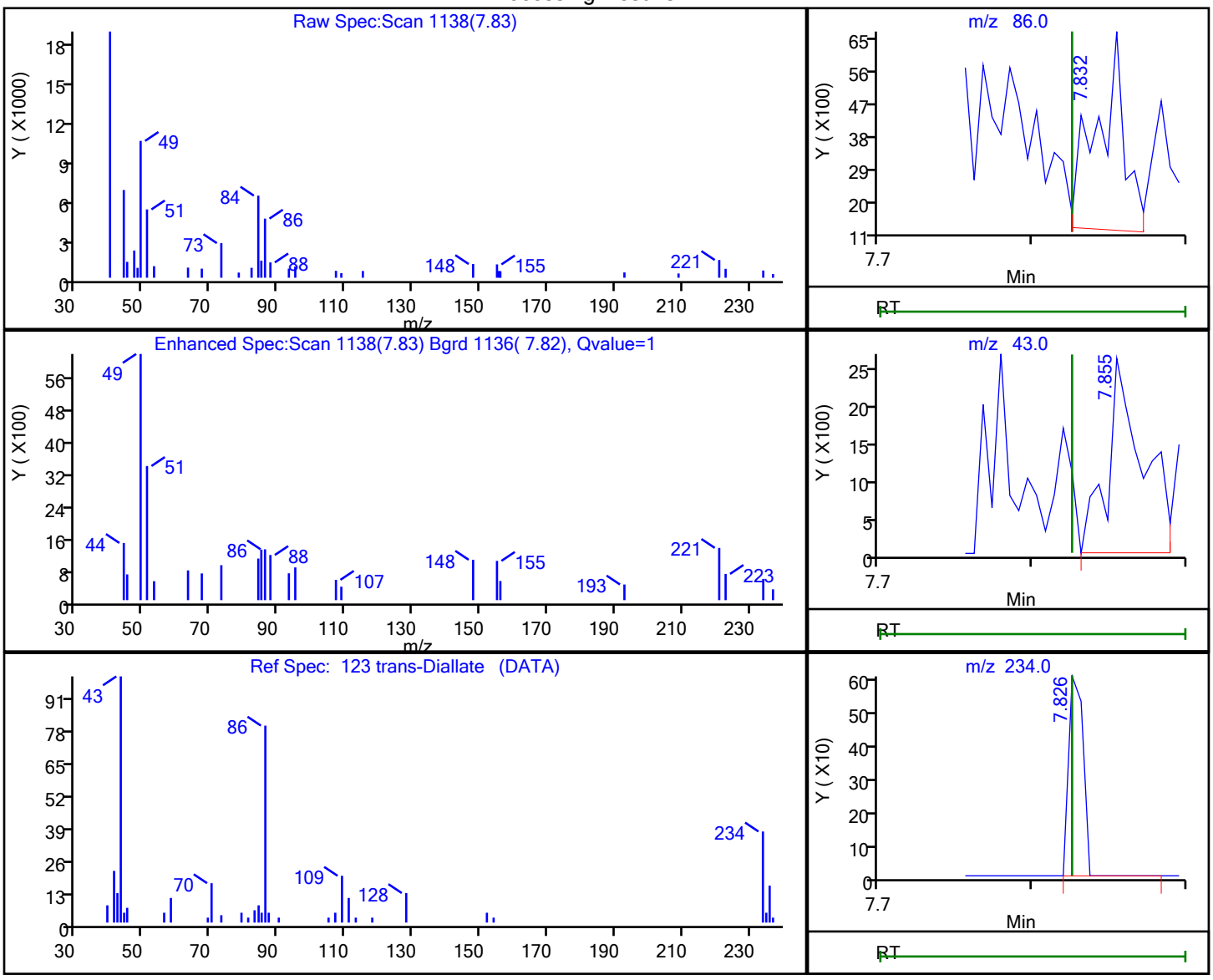
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0723.D				
Injection Date:	07-Aug-2025 15:55:30	Instrument ID:	HP23264		
Lims ID:	410-234898-L-1-A	Lab Sample ID:	410-234898-1		
Client ID:	16C1				
Operator ID:	CJS101602	ALS Bottle#:	23	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

123 trans-Diallate, CAS: 17708-58-6

Processing Results



RT	Mass	Response	Amount
7.83	86.00	6795	0.201810
7.86	43.00	4115	
7.83	234.00	400	

Reviewer: RN6U, 07-Aug-2025 19:35:40 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

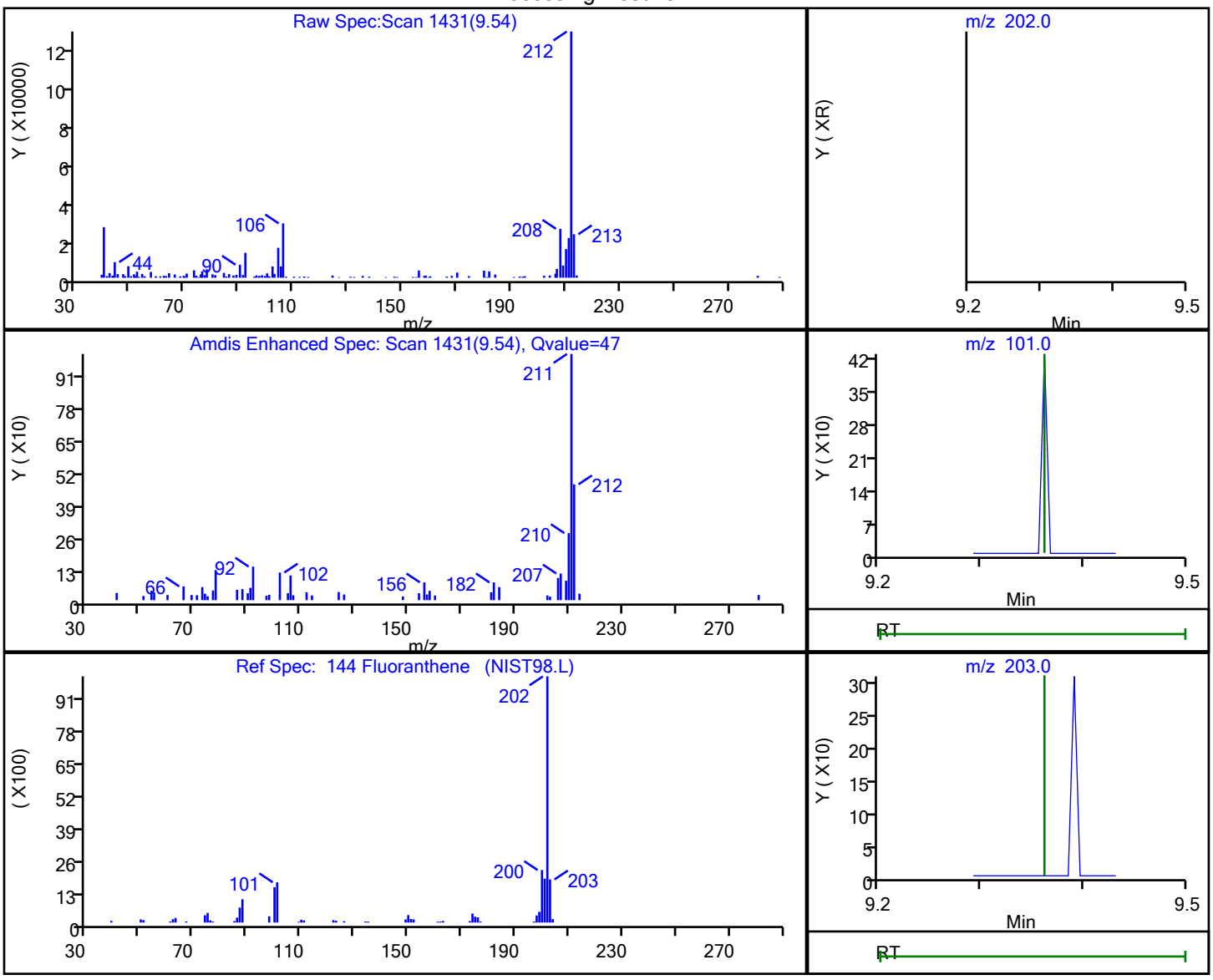
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0723.D				
Injection Date:	07-Aug-2025 15:55:30	Instrument ID:	HP23264		
Lims ID:	410-234898-L-1-A	Lab Sample ID:	410-234898-1		
Client ID:	16C1				
Operator ID:	CJS101602	ALS Bottle#:	23	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

144 Fluoranthene, CAS: 206-44-0

Processing Results



RT	Mass	Response	Amount
9.54	202.00	1347	0.013021
9.56	101.00	2045	
9.55	203.00	1487	
9.55	100.00	6744	

Reviewer: RN6U, 07-Aug-2025 19:35:47 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

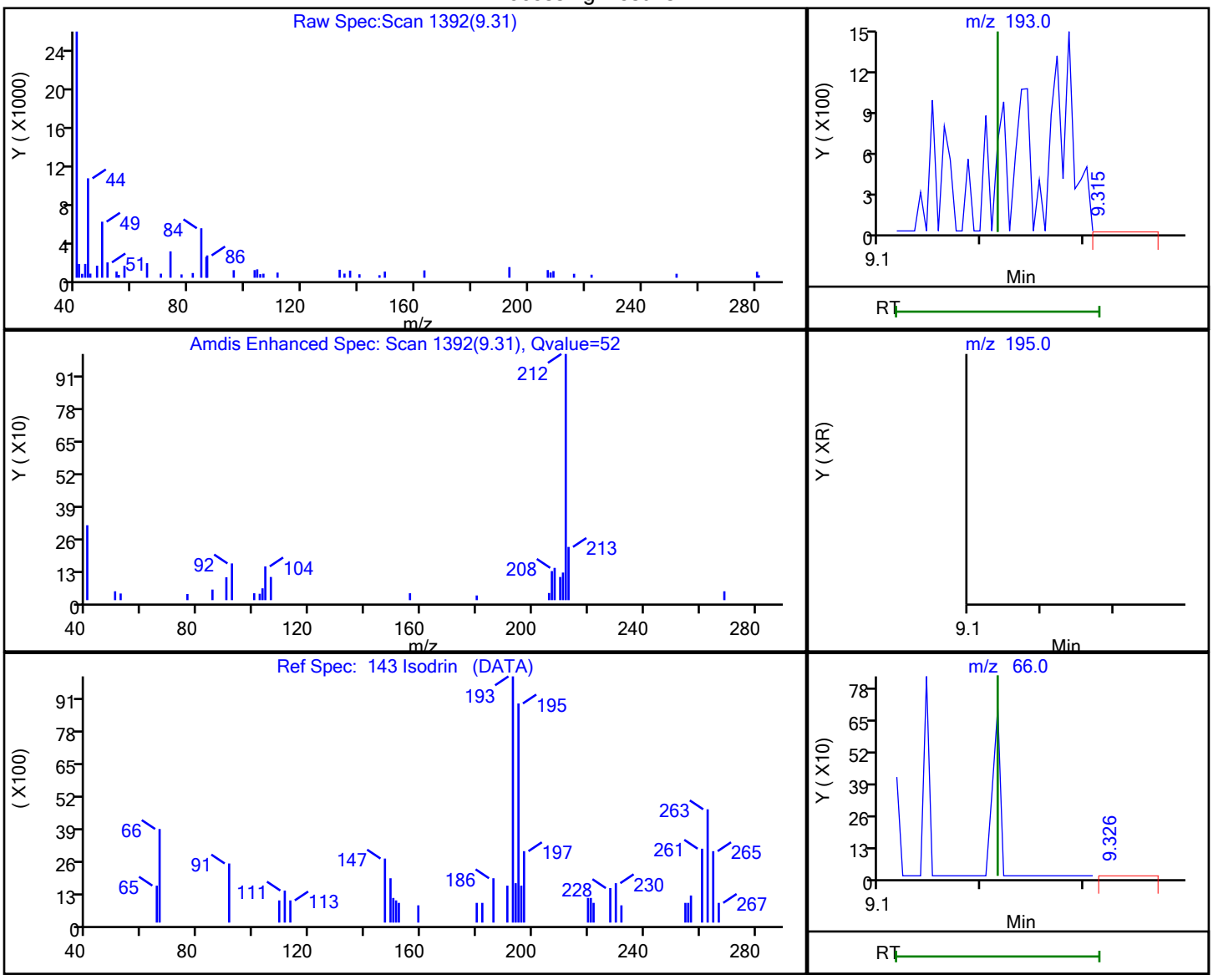
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0723.D				
Injection Date:	07-Aug-2025 15:55:30	Instrument ID:	HP23264		
Lims ID:	410-234898-L-1-A	Lab Sample ID:	410-234898-1		
Client ID:	16C1				
Operator ID:	CJS101602	ALS Bottle#:	23	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

143 Isodrin, CAS: 465-73-6

Processing Results



RT	Mass	Response	Amount
9.31	193.00	1155	0.083860
9.22	195.00	0	
9.33	66.00	640	
9.22	263.00	0	

Reviewer: RN6U, 07-Aug-2025 19:35:44 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

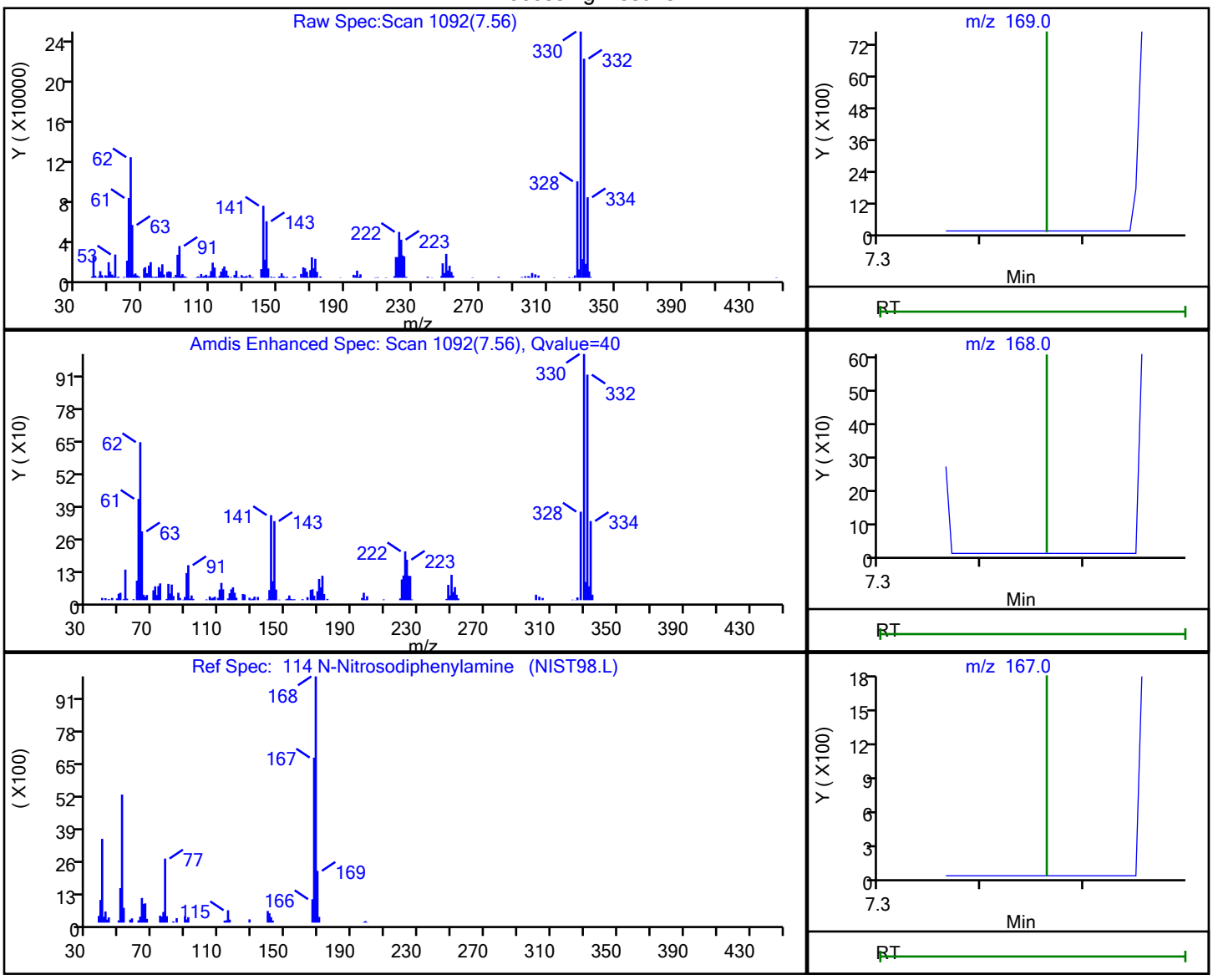
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0723.D				
Injection Date:	07-Aug-2025 15:55:30	Instrument ID:	HP23264		
Lims ID:	410-234898-L-1-A	Lab Sample ID:	410-234898-1		
Client ID:	16C1				
Operator ID:	CJS101602	ALS Bottle#:	23	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

114 N-Nitrosodiphenylamine, CAS: 86-30-6

Processing Results



RT	Mass	Response	Amount
7.56	169.00	6692	0.135345
7.56	168.00	873	
7.56	167.00	3658	

Reviewer: RN6U, 07-Aug-2025 19:35:34 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

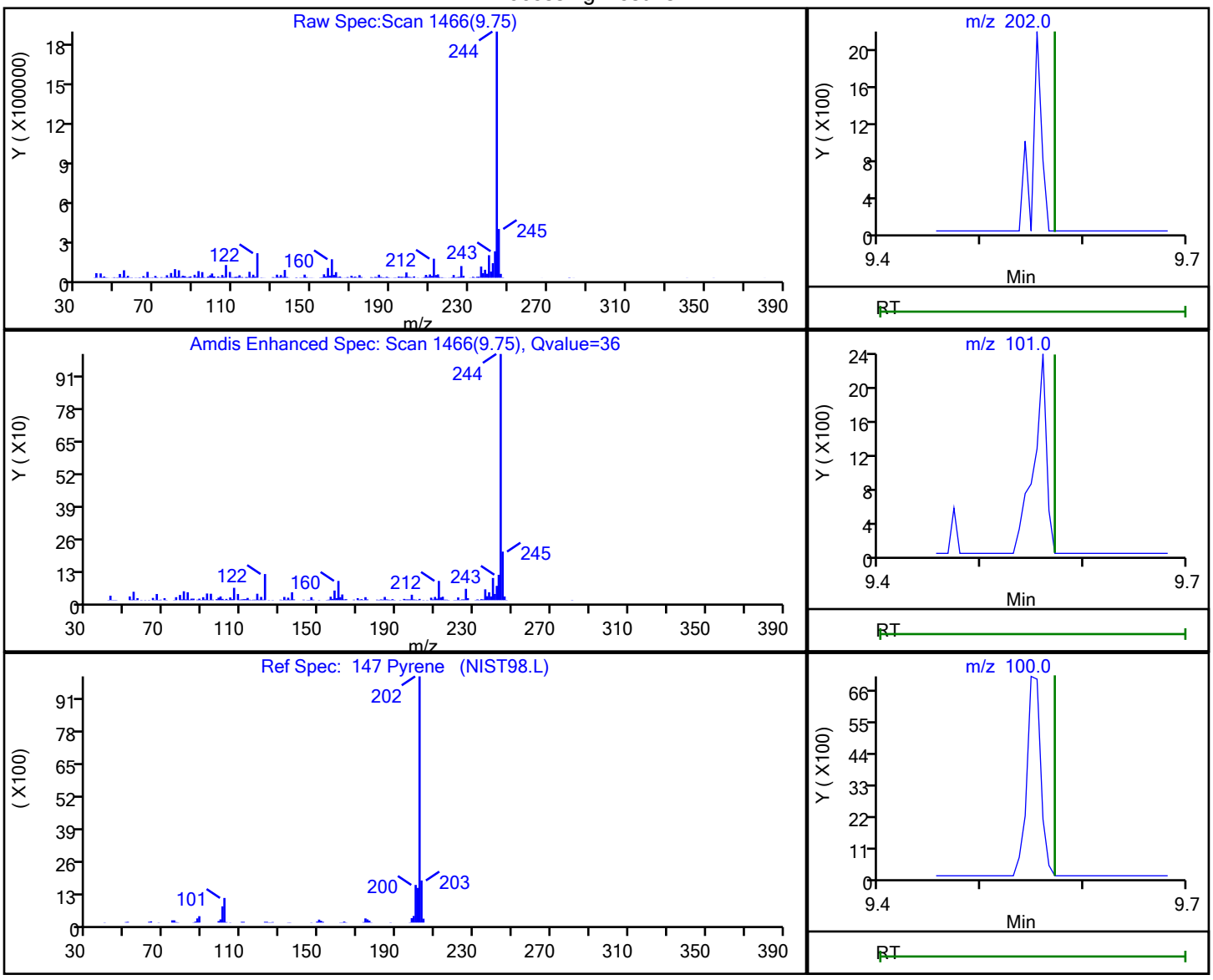
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0723.D				
Injection Date:	07-Aug-2025 15:55:30	Instrument ID:	HP23264		
Lims ID:	410-234898-L-1-A	Lab Sample ID:	410-234898-1		
Client ID:	16C1				
Operator ID:	CJS101602	ALS Bottle#:	23	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

147 Pyrene, CAS: 129-00-0

Processing Results



RT	Mass	Response	Amount
9.75	202.00	6541	0.062081
9.74	101.00	907	
9.75	100.00	11050	
9.74	203.00	706	

Reviewer: RN6U, 07-Aug-2025 19:35:56 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16MW8
Lab Sample ID: 410-234898-2

Matrix: Water
Lab File ID: HG0630.D

Analysis Method: 8270E
Date Collected: 07/29/2025 11:20

Extract. Method: 3510C
Date Extracted: 08/05/2025 16:09

Sample wt/vol: 249(mL)
Date Analyzed: 08/06/2025 18:13

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 681375
Units: ug/L

Preparation Batch No.: 681120
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		10.0	2.01
99-65-0	1,3-Dinitrobenzene	ND		10.0	2.31
108-60-1	bis (2-chloroisopropyl) ether	ND	cn	10.0	0.602
58-90-2	2,3,4,6-Tetrachlorophenol	ND		10.0	1.81
95-95-4	2,4,5-Trichlorophenol	ND		10.0	2.01
88-06-2	2,4,6-Trichlorophenol	ND		10.0	1.81
120-83-2	2,4-Dichlorophenol	ND		10.0	1.60
121-14-2	2,4-Dinitrotoluene	ND		10.0	2.11
87-65-0	2,6-Dichlorophenol	ND		10.0	1.41
606-20-2	2,6-Dinitrotoluene	ND		10.0	2.11
91-58-7	2-Chloronaphthalene	ND		10.0	0.502
95-57-8	2-Chlorophenol	ND		10.0	1.00
91-57-6	2-Methylnaphthalene	ND		10.0	0.291
95-48-7	o-Cresol	ND		10.0	0.964
88-74-4	2-Nitroaniline	ND		10.0	1.00
88-75-5	2-Nitrophenol	ND		10.0	1.28
101-55-3	4-Bromophenyl-phenylether	ND		10.0	0.562
59-50-7	4-Chloro-3-methylphenol	ND		10.0	1.00
7005-72-3	4-Chlorophenyl-phenyl ether	ND		10.0	0.602
106-44-5	m & p-Cresol	ND		20.1	2.48
99-55-8	5-Nitro-o-toluidine	ND		10.0	2.01
83-32-9	Acenaphthene	ND		10.0	0.351
208-96-8	Acenaphthylene	ND		10.0	0.482
120-12-7	Anthracene	ND		10.0	0.522
56-55-3	Benzo[a]anthracene	ND		10.0	0.452
50-32-8	Benzo[a]pyrene	ND		10.0	1.51
205-99-2	Benzo[b]fluoranthene	ND		10.0	1.20
191-24-2	Benzo[g,h,i]perylene	ND		10.0	0.422
207-08-9	Benzo[k]fluoranthene	ND		10.0	1.61
218-01-9	Chrysene	ND		10.0	0.311

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16MW8
Lab Sample ID: 410-234898-2

Matrix: Water
Lab File ID: HG0630.D

Analysis Method: 8270E
Date Collected: 07/29/2025 11:20

Extract. Method: 3510C
Date Extracted: 08/05/2025 16:09

Sample wt/vol: 249(mL)
Date Analyzed: 08/06/2025 18:13

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 681375
Units: ug/L

Preparation Batch No.: 681120
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2303-16-4	Diallate	ND		10.0	3.01
53-70-3	Dibenz(a,h)anthracene	ND		10.0	0.382
132-64-9	Dibenzofuran	ND		10.0	0.602
84-66-2	Diethyl phthalate	ND		10.0	2.01
60-51-5	Dimethoate	ND		10.0	3.01
62-50-0	Ethyl methanesulfonate	ND		10.0	1.10
206-44-0	Fluoranthene	ND		10.0	0.422
86-73-7	Fluorene	ND		10.0	0.382
118-74-1	Hexachlorobenzene	ND		10.0	0.873
1888-71-7	Hexachloropropene	ND		10.0	2.01
193-39-5	Indeno[1,2,3-cd]pyrene	ND		10.0	0.151
465-73-6	Isodrin	ND		10.0	1.10
143-50-0	Kepone	ND	*- cn	50.2	25.1
55-18-5	N-Nitrosodiethylamine	ND		10.0	3.01
62-75-9	N-Nitrosodimethylamine	ND		10.0	2.01
86-30-6	n-Nitrosodiphenylamine(as diphenylamine)	ND		10.0	0.582
59-89-2	N-Nitrosomorpholine	ND		10.0	3.01
100-75-4	N-Nitrosopiperidine	ND		10.0	1.10
98-95-3	Nitrobenzene	ND		10.0	0.602
126-68-1	o,o',o''-Triethylphosphorothioate	ND		10.0	2.61
608-93-5	Pentachlorobenzene	ND		10.0	1.61
62-44-2	Phenacetin	ND		10.0	1.41
87-86-5	Pentachlorophenol	ND		10.0	3.01
85-01-8	Phenanthrene	ND		10.0	0.522
108-95-2	Phenol	ND		10.0	0.773
298-02-2	Phorate	ND		10.0	2.51
129-00-0	Pyrene	ND		10.0	0.412
94-59-7	Safrole, Total	ND		10.0	2.21
3689-24-5	Sulfotepp	ND		10.0	2.41

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16MW8
Lab Sample ID: 410-234898-2

Matrix: Water
Lab File ID: HG0630.D

Analysis Method: 8270E
Date Collected: 07/29/2025 11:20

Extract. Method: 3510C
Date Extracted: 08/05/2025 16:09

Sample wt/vol: 249(mL)
Date Analyzed: 08/06/2025 18:13

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 681375
Units: ug/L

Preparation Batch No.: 681120
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
297-97-2	O,O-Diethyl O-2-pyrazinyl phosphorothioate	ND		10.0	2.41
117-81-7	Bis(2-ethylhexyl) phthalate	ND		10.0	2.01

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	83		13-134
321-60-8	2-Fluorobiphenyl (Surr)	78		45-120
367-12-4	2-Fluorophenol (Surr)	73		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	64		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	98		26-123
4165-62-2	Phenol-d5 (Surr)	55		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0630.D
Lims ID: 410-234898-J-2-A
Client ID: 16MW8
Sample Type: Client
Inject. Date: 06-Aug-2025 18:13:30 ALS Bottle#: 27 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-234898-J-2-A
Misc. Info.: 410-0155656-026
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 20:43:57 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: RN6U Date: 06-Aug-2025 20:42:13

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
	2 N-Nitrosodimethylamine	74		1.560				ND	7
$	9 2-Fluorophenol	112	2.635	2.631	0.000	93	535387	18.2	
	11 N-Nitrosodiethylamine	102		2.839				ND	
	12 Ethyl methanesulfonate	109		3.143				ND	
$	15 Phenol-d5	99	3.563	3.558	0.000	95	608511	13.8	
	16 Phenol	94		3.575				ND	7
	19 2-Chlorophenol	128		3.692				ND	7
*	22 1,4-Dichlorobenzene-d4	152	3.885	3.890	-0.005	98	120568	5.00	
	29 2-Methylphenol	108		4.171				ND	
	30 2,2'-oxybis[1-chloropropane]	45		4.176				ND	7
	35 N-Nitrosomorpholine	56		4.328				ND	
	34 4-Methylphenol	108		4.328				ND	7
$	39 Nitrobenzene-d5	82	4.439	4.440	-0.006	89	874342	15.9	
	40 Nitrobenzene	77		4.462				ND	U
	41 N-Nitrosopiperidine	114		4.614				ND	
	43 2-Nitrophenol	139		4.772				ND	7
	46 o,o',o''-Triethylphosphorothioat	198		4.900				ND	
	49 2,4-Dichlorophenol	162		5.017				ND	7
*	52 Naphthalene-d8	136	5.128	5.134	-0.006	100	460557	5.00	
	57 2,6-Dichlorophenol	162		5.227				ND	7
	58 Hexachloropropene	213		5.239				ND	
	65 4-Chloro-3-methylphenol	107		5.724				ND	7
	66 Safrole, Total	162		5.759				ND	7
	67 2-Methylnaphthalene	142		5.823				ND	
	70 1,2,4,5-Tetrachlorobenzene	216		5.986				ND	
	79 2,4,6-Trichlorophenol	196		6.109				ND	7
	80 2,4,5-Trichlorophenol	196		6.150				ND	7
$	81 2-Fluorobiphenyl (Surr)	172	6.179	6.180	-0.006	100	1410790	19.5	
	84 2-Chloronaphthalene	162		6.284				ND	
	87 2-Nitroaniline	138		6.407				ND	
	91 1,3-Dinitrobenzene	168		6.617				ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
92 2,6-Dinitrotoluene	165		6.646				ND	
93 Acenaphthylene	152		6.675				ND	7
* 96 Acenaphthene-d10	164	6.804	6.810	-0.006	93	254726	5.00	
97 Acenaphthene	153		6.845				ND	7
99 Pentachlorobenzene	250		6.973				ND	7
101 Dibenzofuran	168		7.008				ND	7
102 2,4-Dinitrotoluene	165		7.026				ND	7
105 2,3,4,6-Tetrachlorophenol	232		7.143				ND	7
107 Diethyl phthalate	149		7.265				ND	7
108 Fluorene	166		7.335				ND	
109 Thionazin	107		7.341				ND	7
110 4-Chlorophenyl phenyl ether	204		7.347				ND	
111 N-Nitro-o-toluidine	152		7.364				ND	
114 N-Nitrosodiphenylamine	169		7.470				ND	U
$ 116 2,4,6-Tribromophenol	330	7.563	7.562	-0.006	92	251880	20.8	
117 Sulfotepp	97		7.645				ND	7
120 cis-Diallate	86		7.750				ND	7
119 Phorate	75		7.756				ND	7
121 Phenacetin	108		7.791				ND	
122 4-Bromophenyl phenyl ether	248		7.808				ND	
123 trans-Diallate	86		7.826				ND	7
124 Hexachlorobenzene	284		7.855				ND	U
125 Dimethoate	87		7.919				ND	7
127 Pentachlorophenol	266		8.053				ND	7
* 131 Phenanthrene-d10	188	8.211	8.217	-0.006	97	447317	5.00	
132 Phenanthrene	178		8.240				ND	7
135 Anthracene	178		8.287				ND	7
143 Isodrin	193		9.215				ND	U
144 Fluoranthene	202		9.367				ND	7
* 146 Pyrene-d10 (IS)	212	9.548	9.554	-0.006	98	487472	5.00	
147 Pyrene	202		9.577				ND	7
S 68 Diallate	86		9.653				ND	7
$ 148 p-Terphenyl-d14	244	9.747	9.753	-0.006	98	1611526	24.5	
154 Kepone	272		10.214				ND	
156 Benzo[a]anthracene	228		10.763				ND	
159 Chrysene	228		10.804				ND	
160 Bis(2-ethylhexyl) phthalate	149		10.880				ND	7
164 Benzo[b]fluoranthene	252		12.018				ND	7
165 Benzo[k]fluoranthene	252		12.053				ND	7
166 Benzo[a]pyrene	252		12.427				ND	U
* 167 Perylene-d12	264	12.497	12.509	-0.012	98	370483	5.00	
171 Indeno[1,2,3-cd]pyrene	276		13.939				ND	7
172 Dibenz(a,h)anthracene	278		13.986				ND	7
173 Benzo[g,h,i]perylene	276		14.290				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

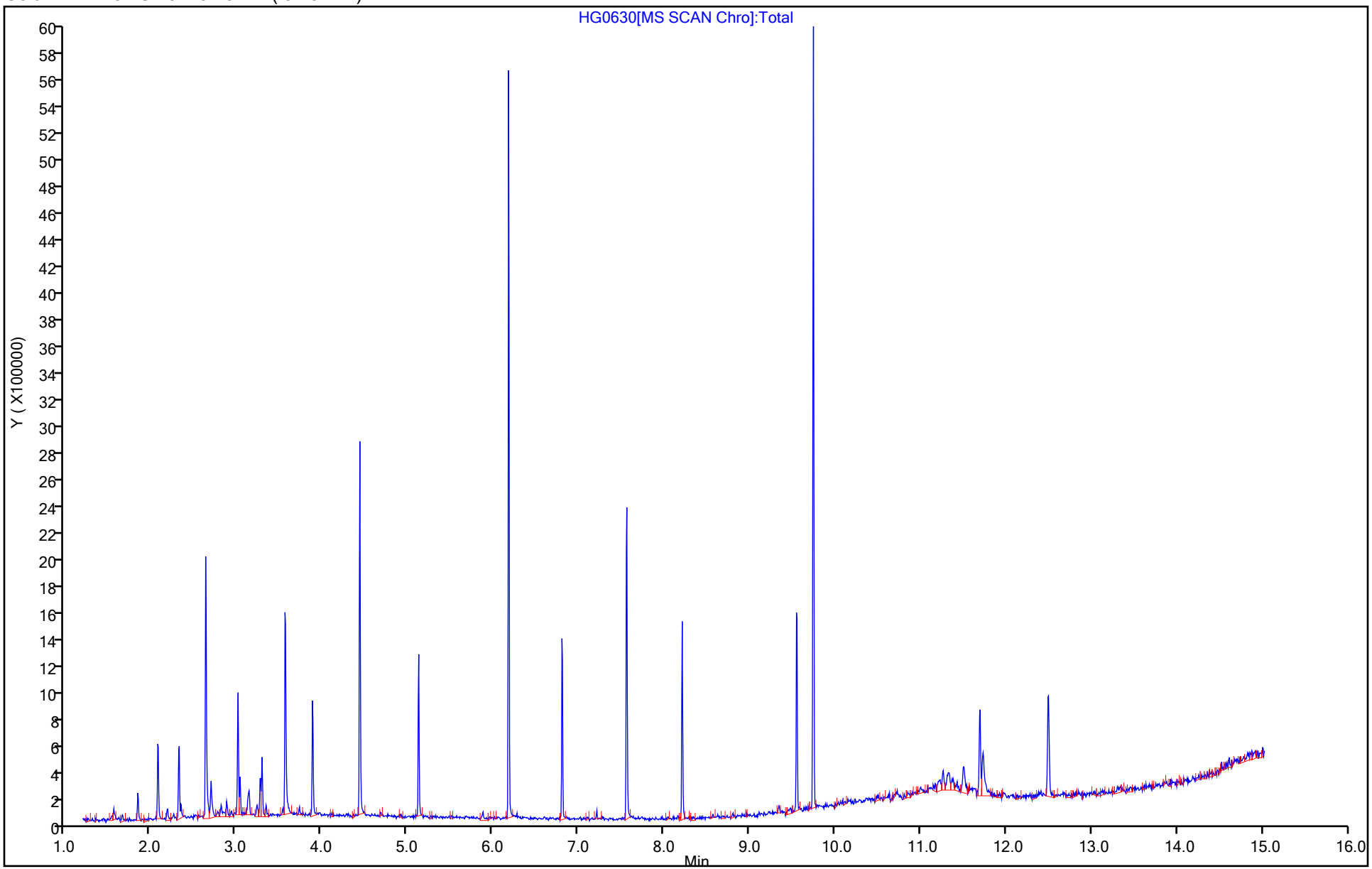
MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 06-Aug-2025 20:45:30 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0630.D				
Injection Date:	06-Aug-2025 18:13:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	410-234898-J-2-A	Lab Sample ID:	410-234898-2	Worklist Smp#:	26
Client ID:	16MW8				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0630.D				
Lims ID:	410-234898-J-2-A				
Client ID:	16MW8				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 18:13:30	ALS Bottle#:	27	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-234898-J-2-A				
Misc. Info.:	410-0155656-026				
Operator ID:	CJS101602	Instrument ID:	HP23264		
Method:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	06-Aug-2025 20:43:57	Calib Date:	29-Jul-2025 09:43:30		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1682				

First Level Reviewer: RN6U Date: 06-Aug-2025 20:42:13

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	18.2	72.75
$ 15 Phenol-d5	25.0	13.8	55.19
$ 39 Nitrobenzene-d5	25.0	15.9	63.65
$ 81 2-Fluorobiphenyl (Surr)	25.0	19.5	78.01
$ 116 2,4,6-Tribromophenol	25.0	20.8	83.11
$ 148 p-Terphenyl-d14	25.0	24.5	97.99

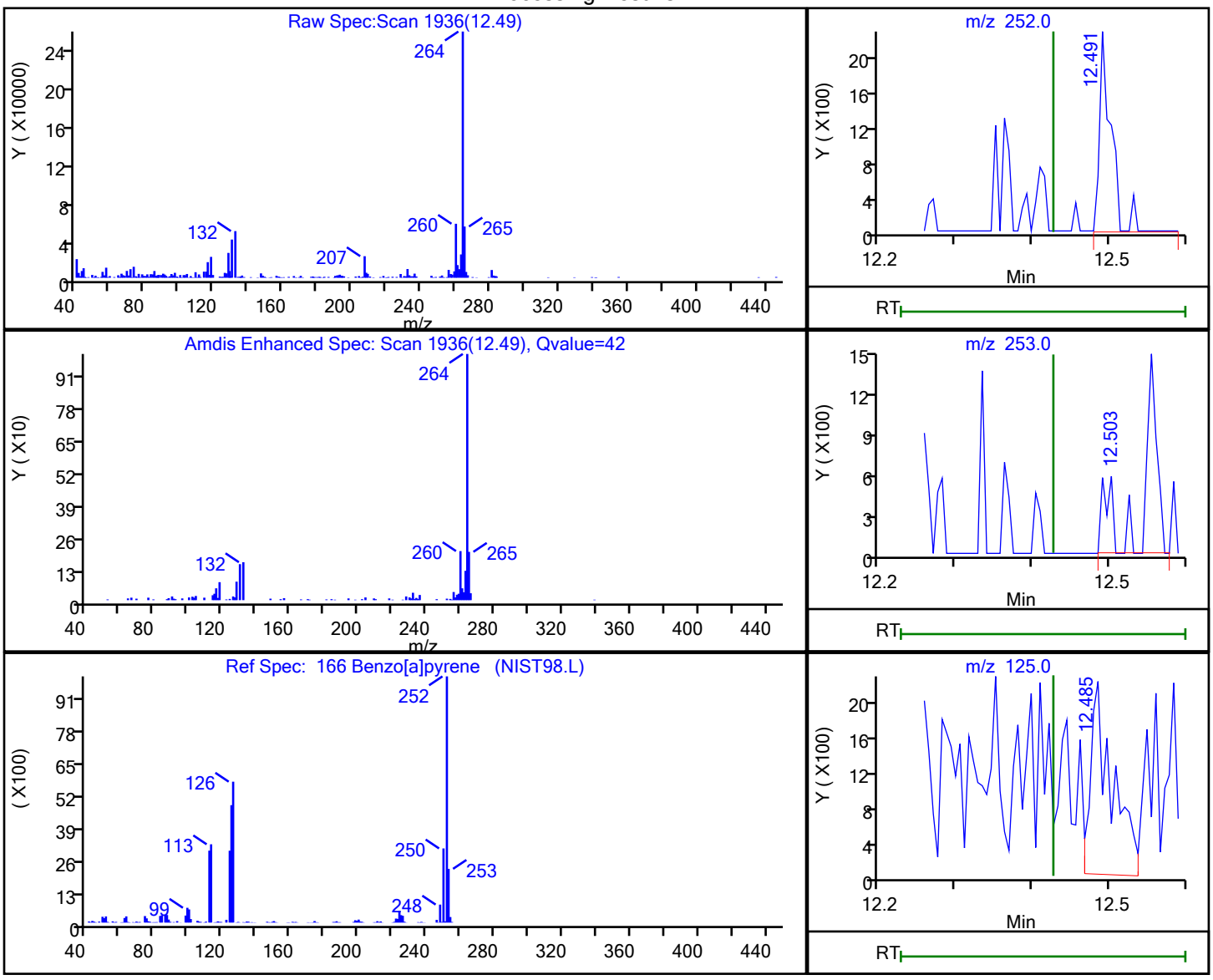
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0630.D				
Injection Date:	06-Aug-2025 18:13:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-2-A	Lab Sample ID:	410-234898-2		
Client ID:	16MW8				
Operator ID:	CJS101602	ALS Bottle#:	27	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

166 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.49	252.00	2340	0.027180
12.50	253.00	1837	
12.49	125.00	4103	

Reviewer: RN6U, 06-Aug-2025 20:42:09 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

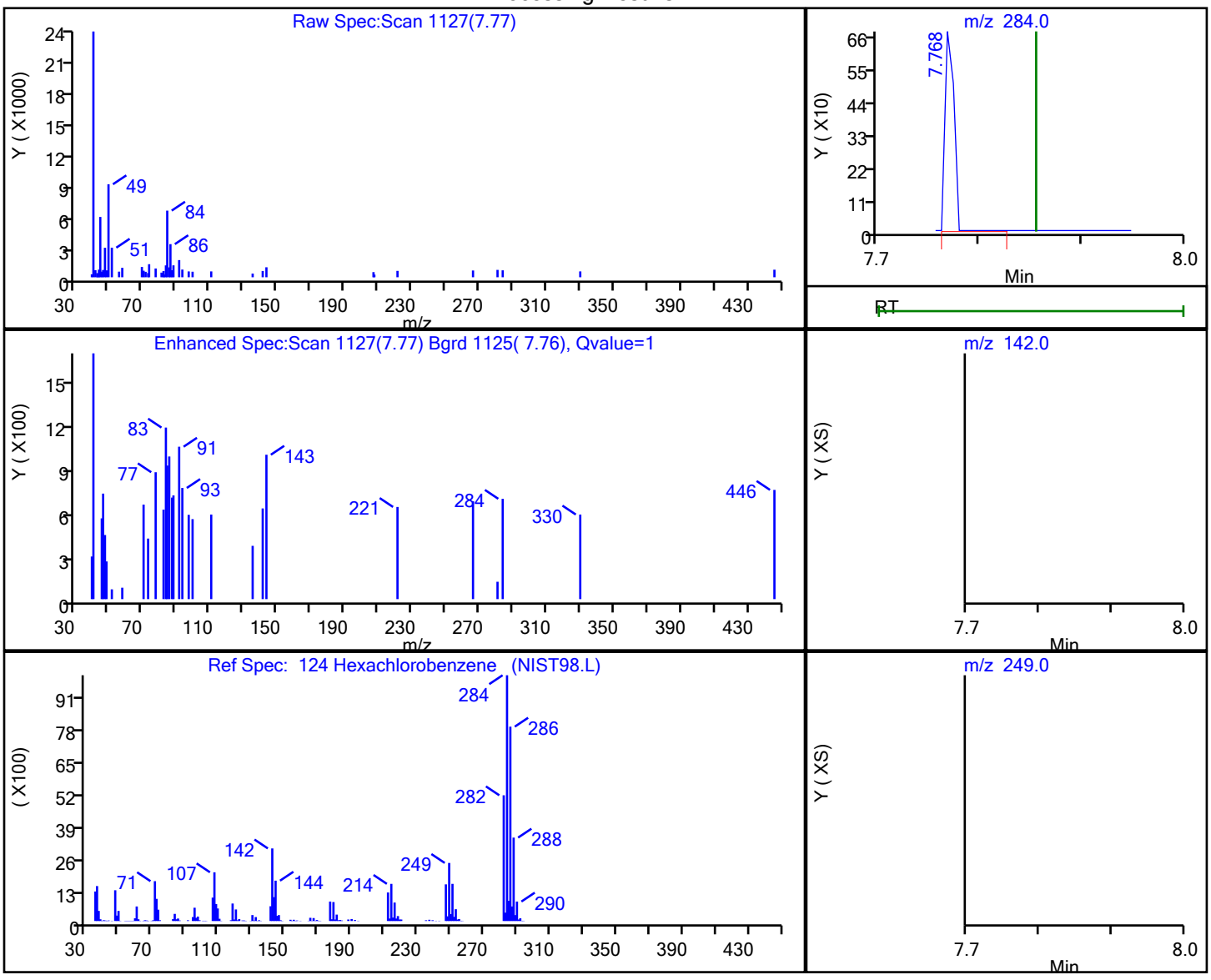
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0630.D				
Injection Date:	06-Aug-2025 18:13:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-2-A	Lab Sample ID:	410-234898-2		
Client ID:	16MW8				
Operator ID:	CJS101602	ALS Bottle#:	27	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

124 Hexachlorobenzene, CAS: 118-74-1

Processing Results



RT	Mass	Response	Amount
7.77	284.00	411	0.017093
7.85	142.00	0	
7.85	249.00	0	

Reviewer: RN6U, 06-Aug-2025 20:41:57 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

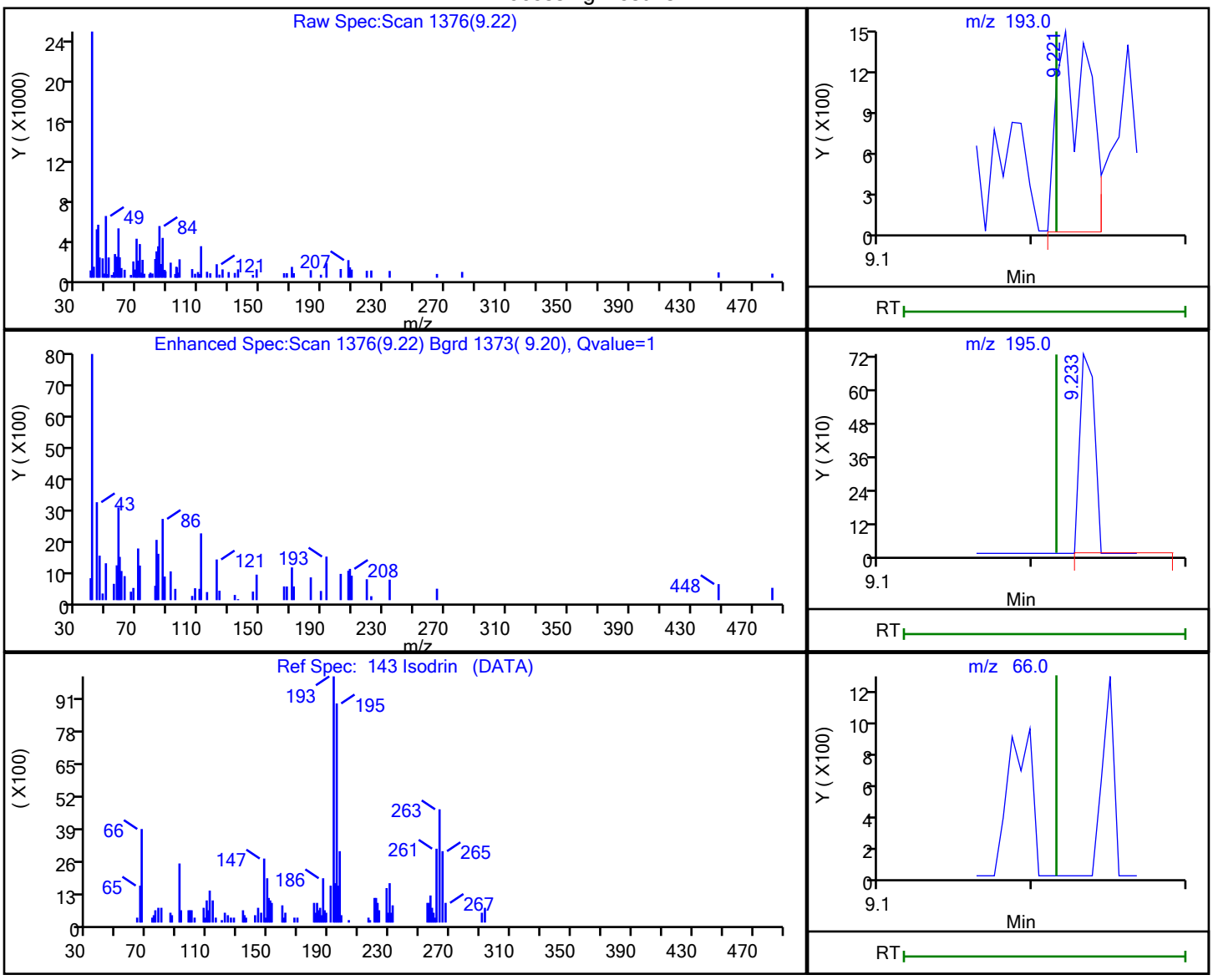
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0630.D				
Injection Date:	06-Aug-2025 18:13:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-2-A	Lab Sample ID:	410-234898-2		
Client ID:	16MW8				
Operator ID:	CJS101602	ALS Bottle#:	27	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

143 Isodrin, CAS: 465-73-6

Processing Results



RT	Mass	Response	Amount
9.22	193.00	1980	0.136873
9.23	195.00	477	
9.22	66.00	0	
9.22	263.00	0	

Reviewer: RN6U, 06-Aug-2025 20:42:03 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

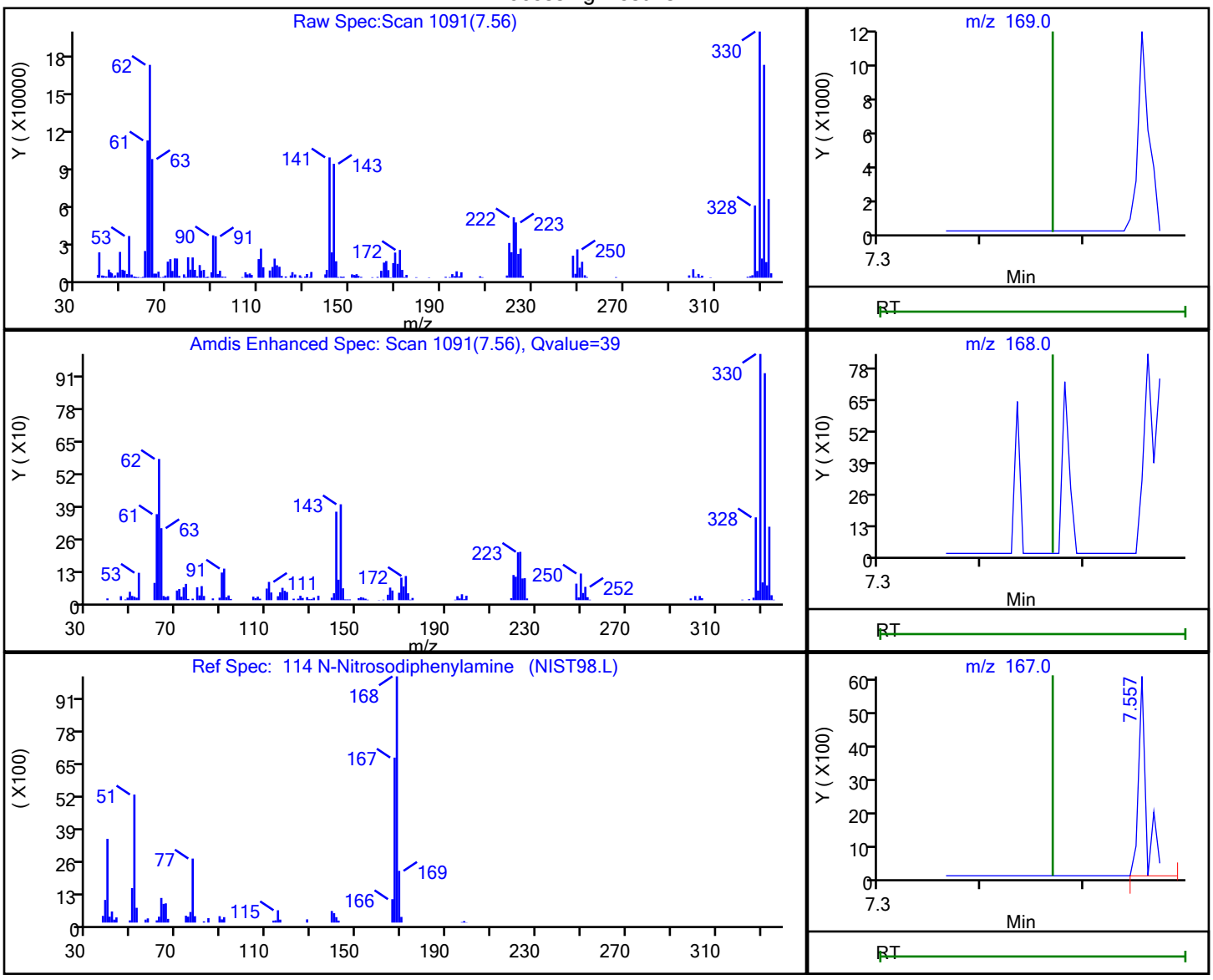
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0630.D				
Injection Date:	06-Aug-2025 18:13:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-2-A	Lab Sample ID:	410-234898-2		
Client ID:	16MW8				
Operator ID:	CJS101602	ALS Bottle#:	27	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

114 N-Nitrosodiphenylamine, CAS: 86-30-6

Processing Results



RT	Mass	Response	Amount
7.56	169.00	9908	0.190789
7.56	168.00	788	
7.56	167.00	3245	

Reviewer: RN6U, 06-Aug-2025 20:41:52 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

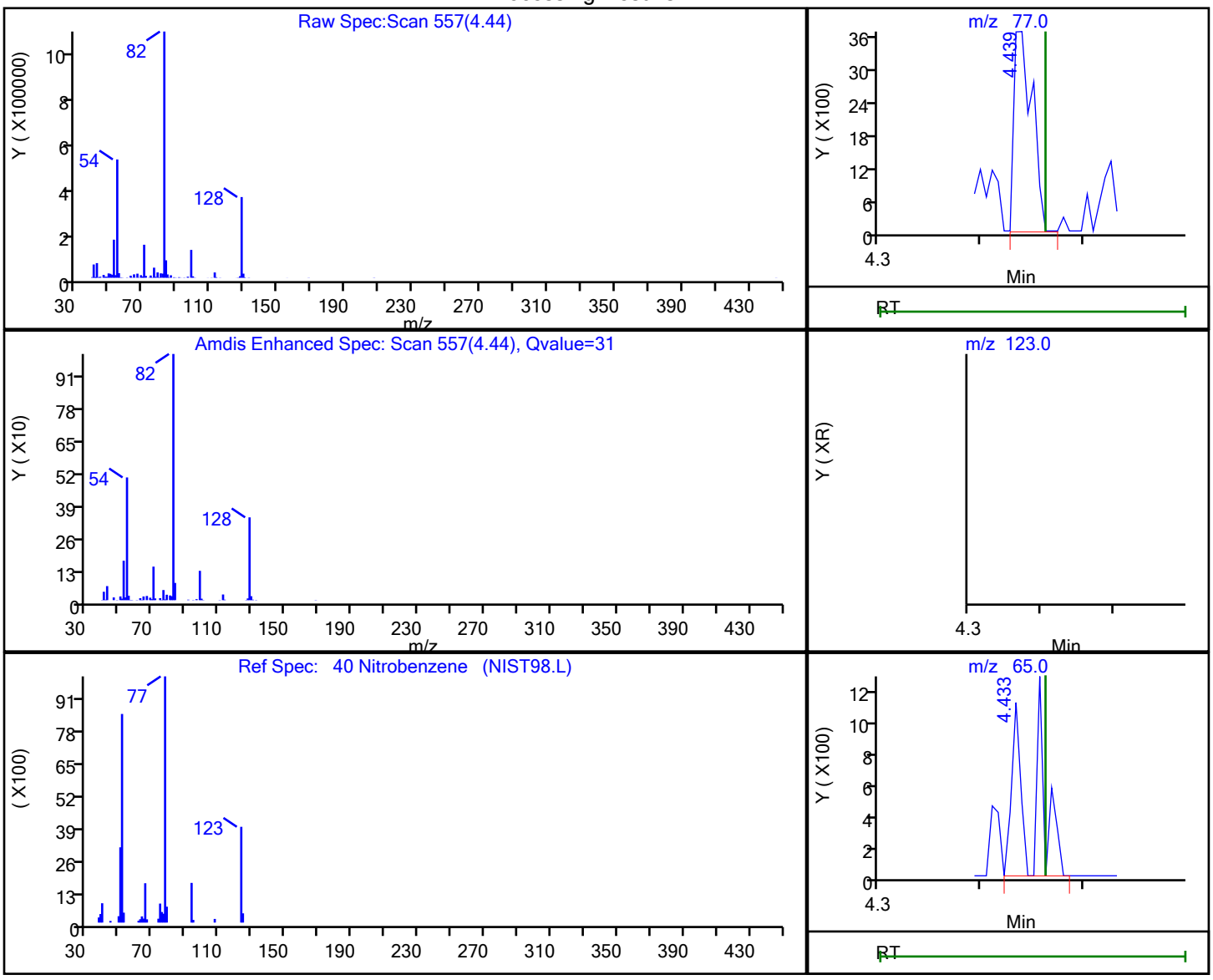
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0630.D				
Injection Date:	06-Aug-2025 18:13:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-2-A	Lab Sample ID:	410-234898-2		
Client ID:	16MW8				
Operator ID:	CJS101602	ALS Bottle#:	27	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.44	77.00	4561	0.079761
4.46	123.00	0	
4.43	65.00	1446	

Reviewer: RN6U, 06-Aug-2025 20:41:35 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16MW9
Lab Sample ID: 410-234898-3

Matrix: Water
Lab File ID: HG0724.D

Analysis Method: 8270E
Date Collected: 07/30/2025 13:15

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 249.3(mL)
Date Analyzed: 08/07/2025 16:16

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		10.0	2.01
99-65-0	1,3-Dinitrobenzene	ND		10.0	2.31
108-60-1	bis (2-chloroisopropyl) ether	ND	cn	10.0	0.602
58-90-2	2,3,4,6-Tetrachlorophenol	ND		10.0	1.81
95-95-4	2,4,5-Trichlorophenol	ND		10.0	2.01
88-06-2	2,4,6-Trichlorophenol	ND		10.0	1.81
120-83-2	2,4-Dichlorophenol	ND		10.0	1.59
121-14-2	2,4-Dinitrotoluene	ND		10.0	2.11
87-65-0	2,6-Dichlorophenol	ND		10.0	1.40
606-20-2	2,6-Dinitrotoluene	ND		10.0	2.11
91-58-7	2-Chloronaphthalene	ND		10.0	0.501
95-57-8	2-Chlorophenol	ND		10.0	1.00
91-57-6	2-Methylnaphthalene	ND		10.0	0.291
95-48-7	o-Cresol	ND		10.0	0.963
88-74-4	2-Nitroaniline	ND		10.0	1.00
88-75-5	2-Nitrophenol	ND		10.0	1.27
101-55-3	4-Bromophenyl-phenylether	ND		10.0	0.562
59-50-7	4-Chloro-3-methylphenol	ND		10.0	1.00
7005-72-3	4-Chlorophenyl-phenyl ether	ND		10.0	0.602
106-44-5	m & p-Cresol	ND		20.1	2.48
99-55-8	5-Nitro-o-toluidine	ND		10.0	2.01
83-32-9	Acenaphthene	ND		10.0	0.351
208-96-8	Acenaphthylene	ND		10.0	0.481
120-12-7	Anthracene	ND		10.0	0.521
56-55-3	Benzo[a]anthracene	ND		10.0	0.451
50-32-8	Benzo[a]pyrene	ND		10.0	1.50
205-99-2	Benzo[b]fluoranthene	ND		10.0	1.20
191-24-2	Benzo[g,h,i]perylene	ND		10.0	0.421
207-08-9	Benzo[k]fluoranthene	ND		10.0	1.60
218-01-9	Chrysene	ND		10.0	0.311

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16MW9
Lab Sample ID: 410-234898-3

Matrix: Water
Lab File ID: HG0724.D

Analysis Method: 8270E
Date Collected: 07/30/2025 13:15

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 249.3(mL)
Date Analyzed: 08/07/2025 16:16

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2303-16-4	Diallate	ND		10.0	3.01
53-70-3	Dibenz(a,h)anthracene	ND		10.0	0.381
132-64-9	Dibenzofuran	ND		10.0	0.602
84-66-2	Diethyl phthalate	ND		10.0	2.01
60-51-5	Dimethoate	ND	*1	10.0	3.01
62-50-0	Ethyl methanesulfonate	ND		10.0	1.10
206-44-0	Fluoranthene	ND		10.0	0.421
86-73-7	Fluorene	ND		10.0	0.381
118-74-1	Hexachlorobenzene	ND		10.0	0.872
1888-71-7	Hexachloropropene	ND		10.0	2.01
193-39-5	Indeno[1,2,3-cd]pyrene	ND		10.0	0.150
465-73-6	Isodrin	ND		10.0	1.10
143-50-0	Kepone	ND		50.1	25.1
55-18-5	N-Nitrosodiethylamine	ND		10.0	3.01
62-75-9	N-Nitrosodimethylamine	ND		10.0	2.01
86-30-6	n-Nitrosodiphenylamine(as diphenylamine)	ND		10.0	0.582
59-89-2	N-Nitrosomorpholine	ND		10.0	3.01
100-75-4	N-Nitrosopiperidine	ND		10.0	1.10
98-95-3	Nitrobenzene	ND		10.0	0.602
126-68-1	o,o',o''-Triethylphosphorothioate	ND		10.0	2.61
608-93-5	Pentachlorobenzene	ND		10.0	1.60
62-44-2	Phenacetin	ND		10.0	1.40
87-86-5	Pentachlorophenol	ND		10.0	3.01
85-01-8	Phenanthrene	ND		10.0	0.521
108-95-2	Phenol	ND		10.0	0.772
298-02-2	Phorate	ND		10.0	2.51
129-00-0	Pyrene	ND		10.0	0.411
94-59-7	Safrole, Total	ND		10.0	2.21
3689-24-5	Sulfotepp	ND		10.0	2.41

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16MW9
Lab Sample ID: 410-234898-3

Matrix: Water
Lab File ID: HG0724.D

Analysis Method: 8270E
Date Collected: 07/30/2025 13:15

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 249.3(mL)
Date Analyzed: 08/07/2025 16:16

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
297-97-2	O,O-Diethyl O-2-pyrazinyl phosphorothioate	ND		10.0	2.41
117-81-7	Bis(2-ethylhexyl) phthalate	ND		10.0	2.01

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	64		13-134
321-60-8	2-Fluorobiphenyl (Surr)	80		45-120
367-12-4	2-Fluorophenol (Surr)	32		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	72		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	89		26-123
4165-62-2	Phenol-d5 (Surr)	25		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0724.D
Lims ID: 410-234898-L-3-A
Client ID: 16MW9
Sample Type: Client
Inject. Date: 07-Aug-2025 16:16:30 ALS Bottle#: 24 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-234898-L-3-A
Misc. Info.: 410-0155808-025
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 19:44:43 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 19:37:11

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
	2 N-Nitrosodimethylamine	74		1.549				ND	7
$	9 2-Fluorophenol	112	2.641	2.637	0.000	92	203691	8.07	
	11 N-Nitrosodiethylamine	102		2.833				ND	
	12 Ethyl methanesulfonate	109		3.143				ND	
$	15 Phenol-d5	99	3.569	3.564	0.000	94	240790	6.37	
	16 Phenol	94		3.581				ND	7
	19 2-Chlorophenol	128		3.692				ND	7
*	22 1,4-Dichlorobenzene-d4	152	3.890	3.890	0.000	95	103376	5.00	
	29 2-Methylphenol	108		4.176				ND	
	30 2,2'-oxybis[1-chloropropane]	45		4.176				ND	7
	35 N-Nitrosomorpholine	56		4.328				ND	7
	34 4-Methylphenol	108		4.334				ND	
$	39 Nitrobenzene-d5	82	4.439	4.439	0.000	87	716434	17.9	
	40 Nitrobenzene	77		4.462				ND	U
	41 N-Nitrosopiperidine	114		4.608				ND	
	43 2-Nitrophenol	139		4.772				ND	
	46 o,o',o''-Triethylphosphorothioat	198		4.900				ND	
	49 2,4-Dichlorophenol	162		5.017				ND	
*	52 Naphthalene-d8	136	5.128	5.128	0.000	100	335769	5.00	
	57 2,6-Dichlorophenol	162		5.227				ND	
	58 Hexachloropropene	213		5.233				ND	
	65 4-Chloro-3-methylphenol	107		5.730				ND	7
	66 Safrole, Total	162		5.753				ND	7
	67 2-Methylnaphthalene	142		5.823				ND	7
	70 1,2,4,5-Tetrachlorobenzene	216		5.986				ND	
	79 2,4,6-Trichlorophenol	196		6.109				ND	
	80 2,4,5-Trichlorophenol	196		6.156				ND	
$	81 2-Fluorobiphenyl (Surr)	172	6.179	6.185	-0.006	100	1111920	20.0	
	84 2-Chloronaphthalene	162		6.284				ND	7
	87 2-Nitroaniline	138		6.407				ND	
	91 1,3-Dinitrobenzene	168		6.617				ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
92 2,6-Dinitrotoluene	165		6.646				ND	
93 Acenaphthylene	152		6.675				ND	7
* 96 Acenaphthene-d10	164	6.804	6.804	0.000	94	195714	5.00	
97 Acenaphthene	153		6.839				ND	7
99 Pentachlorobenzene	250		6.967				ND	7
101 Dibenzofuran	168		7.008				ND	7
102 2,4-Dinitrotoluene	165		7.026				ND	7
105 2,3,4,6-Tetrachlorophenol	232		7.143				ND	
107 Diethyl phthalate	149		7.265				ND	7
108 Fluorene	166		7.329				ND	
109 Thionazin	107		7.335				ND	7
110 4-Chlorophenyl phenyl ether	204		7.347				ND	7
111 N-Nitro-o-toluidine	152		7.364				ND	
114 N-Nitrosodiphenylamine	169		7.464				ND	7
$ 116 2,4,6-Tribromophenol	330	7.563	7.563	0.000	93	148965	16.0	
117 Sulfotepp	97		7.639				ND	7
120 cis-Diallate	86		7.744				ND	7
119 Phorate	75		7.750				ND	7
121 Phenacetin	108		7.785				ND	7
122 4-Bromophenyl phenyl ether	248		7.808				ND	
123 trans-Diallate	86		7.826				ND	7
124 Hexachlorobenzene	284		7.849				ND	
125 Dimethoate	87		7.919				ND	7
127 Pentachlorophenol	266		8.053				ND	7
* 131 Phenanthrene-d10	188	8.211	8.211	0.000	97	374402	5.00	
132 Phenanthrene	178		8.234				ND	7
135 Anthracene	178		8.287				ND	7
143 Isodrin	193		9.215				ND	U
144 Fluoranthene	202		9.361				ND	7
* 146 Pyrene-d10 (IS)	212	9.549	9.554	-0.006	97	398255	5.00	
147 Pyrene	202		9.572				ND	7
S 68 Diallate	86		9.653				ND	7
$ 148 p-Terphenyl-d14	244	9.747	9.747	-0.006	98	1192030	22.2	
154 Kepone	272		10.208				ND	
156 Benzo[a]anthracene	228		10.763				ND	7
159 Chrysene	228		10.798				ND	7
160 Bis(2-ethylhexyl) phthalate	149		10.874				ND	7
164 Benzo[b]fluoranthene	252		12.018				ND	U
165 Benzo[k]fluoranthene	252		12.047				ND	7
166 Benzo[a]pyrene	252		12.427				ND	U
* 167 Perylene-d12	264	12.497	12.497	0.000	98	341691	5.00	
171 Indeno[1,2,3-cd]pyrene	276		13.939				ND	
172 Dibenz(a,h)anthracene	278		13.980				ND	U
173 Benzo[g,h,i]perylene	276		14.284				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

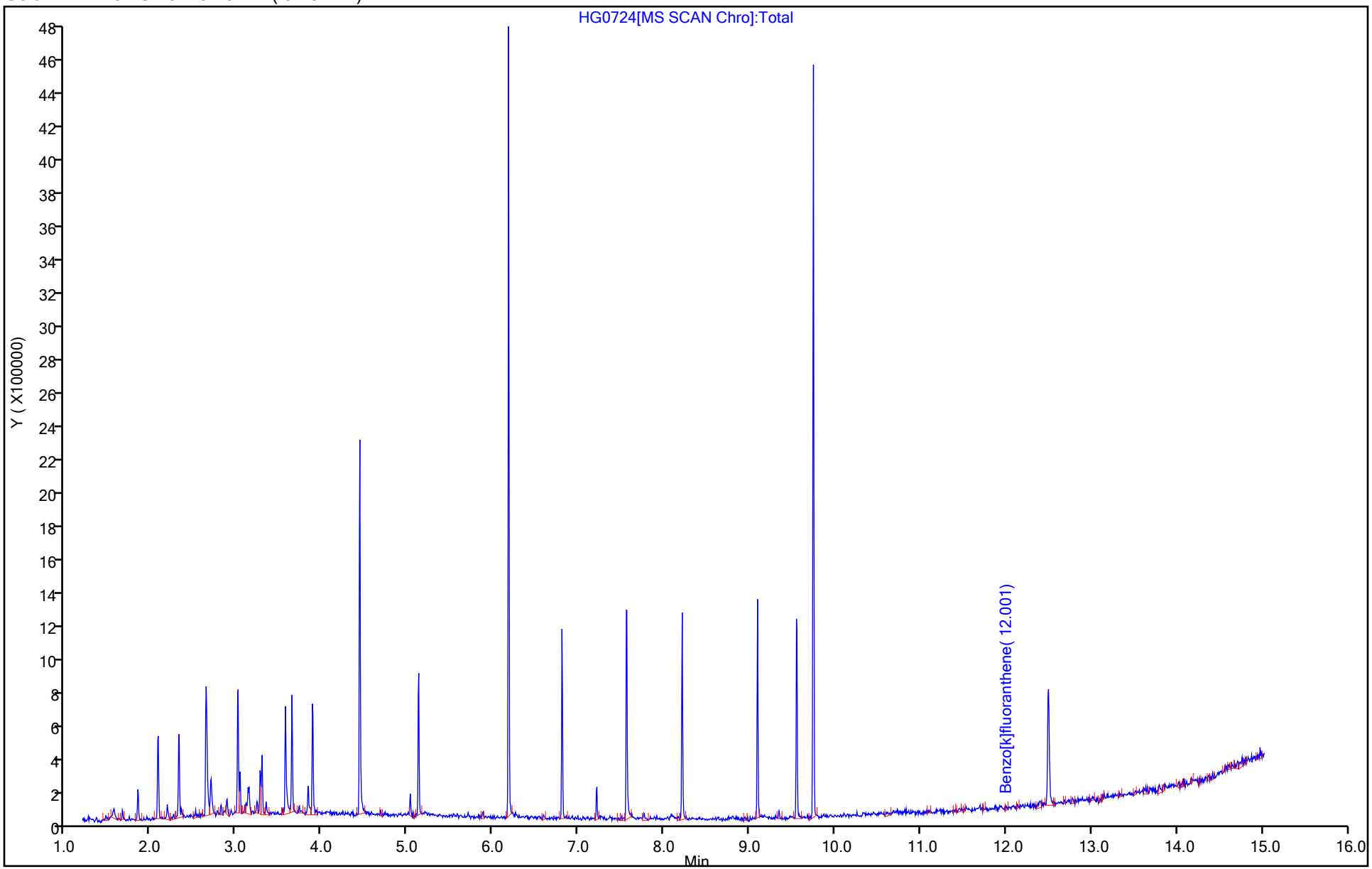
Report Date: 07-Aug-2025 19:44:55 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0724.D

Injection Date:	07-Aug-2025 16:16:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	410-234898-L-3-A	Lab Sample ID:	410-234898-3	Worklist Smp#:	25
Client ID:	16MW9				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0724.D
Lims ID: 410-234898-L-3-A
Client ID: 16MW9
Sample Type: Client
Inject. Date: 07-Aug-2025 16:16:30 ALS Bottle#: 24 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-234898-L-3-A
Misc. Info.: 410-0155808-025
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 19:44:43 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 19:37:11

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	8.07	32.28
$ 15 Phenol-d5	25.0	6.37	25.47
$ 39 Nitrobenzene-d5	25.0	17.9	71.54
$ 81 2-Fluorobiphenyl (Surr)	25.0	20.0	80.03
$ 116 2,4,6-Tribromophenol	25.0	16.0	63.98
$ 148 p-Terphenyl-d14	25.0	22.2	88.72

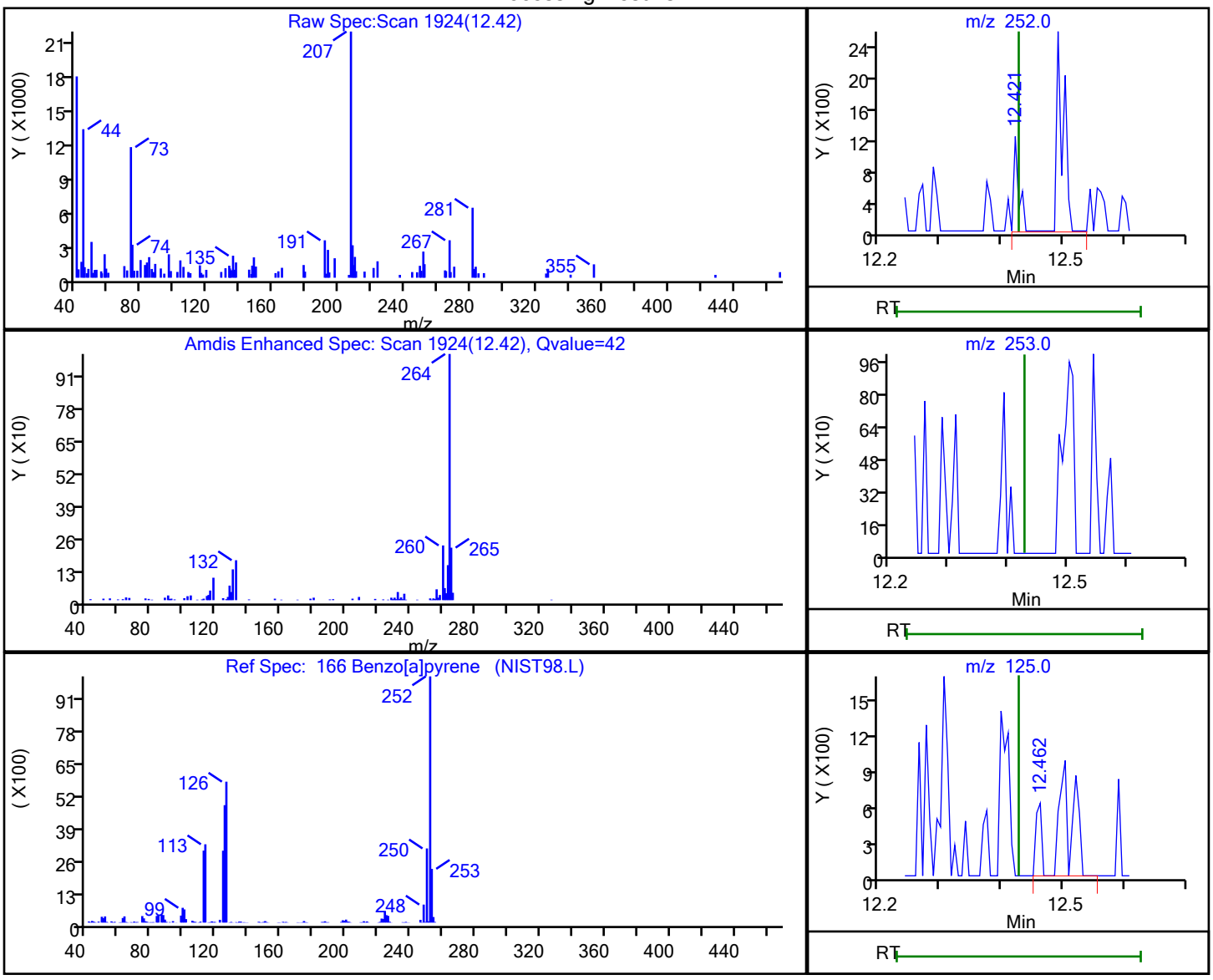
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0724.D				
Injection Date:	07-Aug-2025 16:16:30	Instrument ID:	HP23264		
Lims ID:	410-234898-L-3-A	Lab Sample ID:	410-234898-3		
Client ID:	16MW9				
Operator ID:	CJS101602	ALS Bottle#:	24	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

166 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.42	252.00	2672	0.033652
12.43	253.00	0	
12.46	125.00	1776	

Reviewer: RN6U, 07-Aug-2025 19:37:03 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

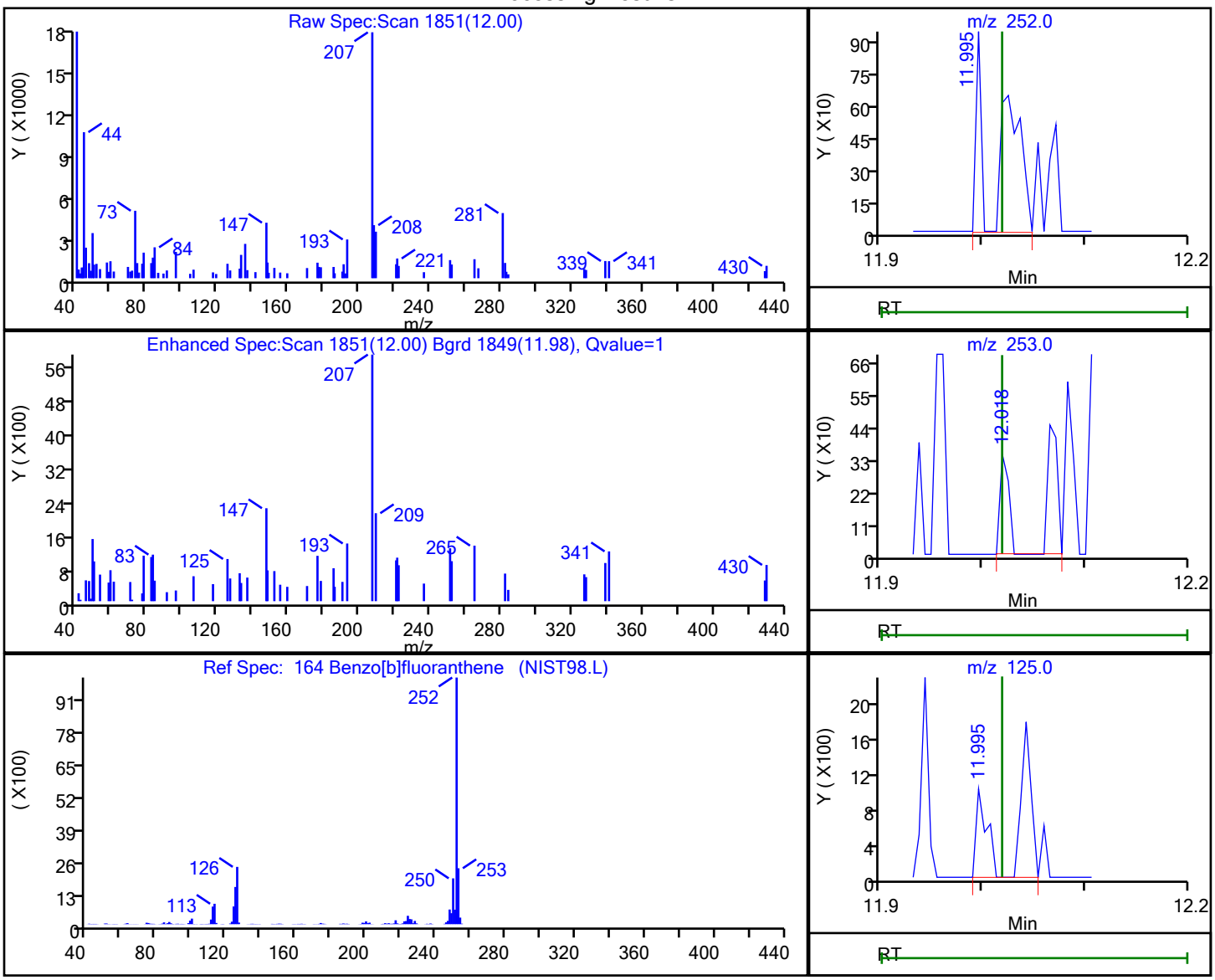
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0724.D				
Injection Date:	07-Aug-2025 16:16:30	Instrument ID:	HP23264		
Lims ID:	410-234898-L-3-A	Lab Sample ID:	410-234898-3		
Client ID:	16MW9				
Operator ID:	CJS101602	ALS Bottle#:	24	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

164 Benzo[b]fluoranthene, CAS: 205-99-2

Processing Results



RT	Mass	Response	Amount
12.00	252.00	1211	0.014569
12.02	253.00	504	
12.00	125.00	1924	

Reviewer: RN6U, 07-Aug-2025 19:36:59 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

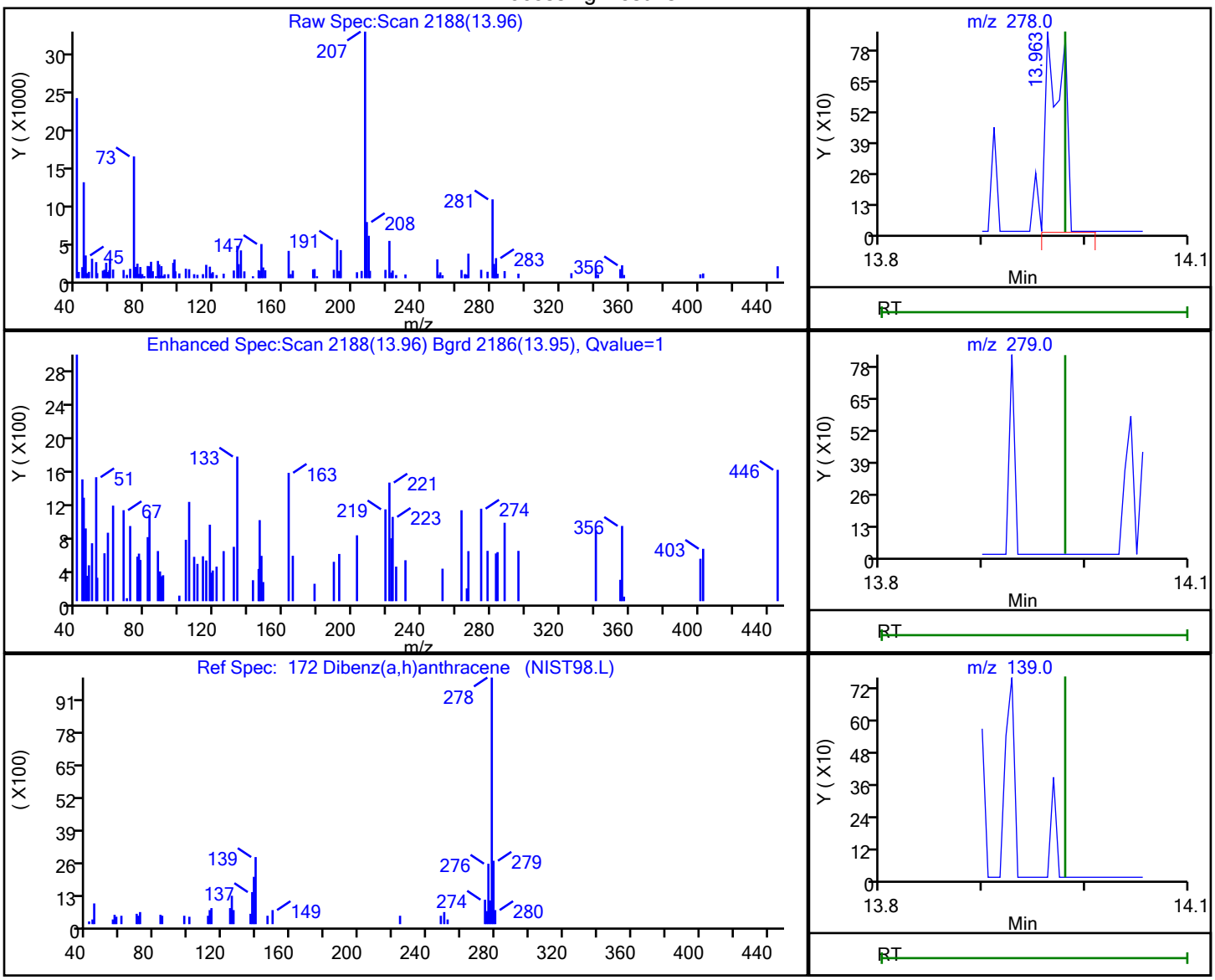
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0724.D				
Injection Date:	07-Aug-2025 16:16:30	Instrument ID:	HP23264		
Lims ID:	410-234898-L-3-A	Lab Sample ID:	410-234898-3		
Client ID:	16MW9				
Operator ID:	CJS101602	ALS Bottle#:	24	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

172 Dibenz(a,h)anthracene, CAS: 53-70-3

Processing Results



RT	Mass	Response	Amount
13.96	278.00	974	0.014165
13.98	279.00	0	
13.98	139.00	0	

Reviewer: RN6U, 07-Aug-2025 19:37:07 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

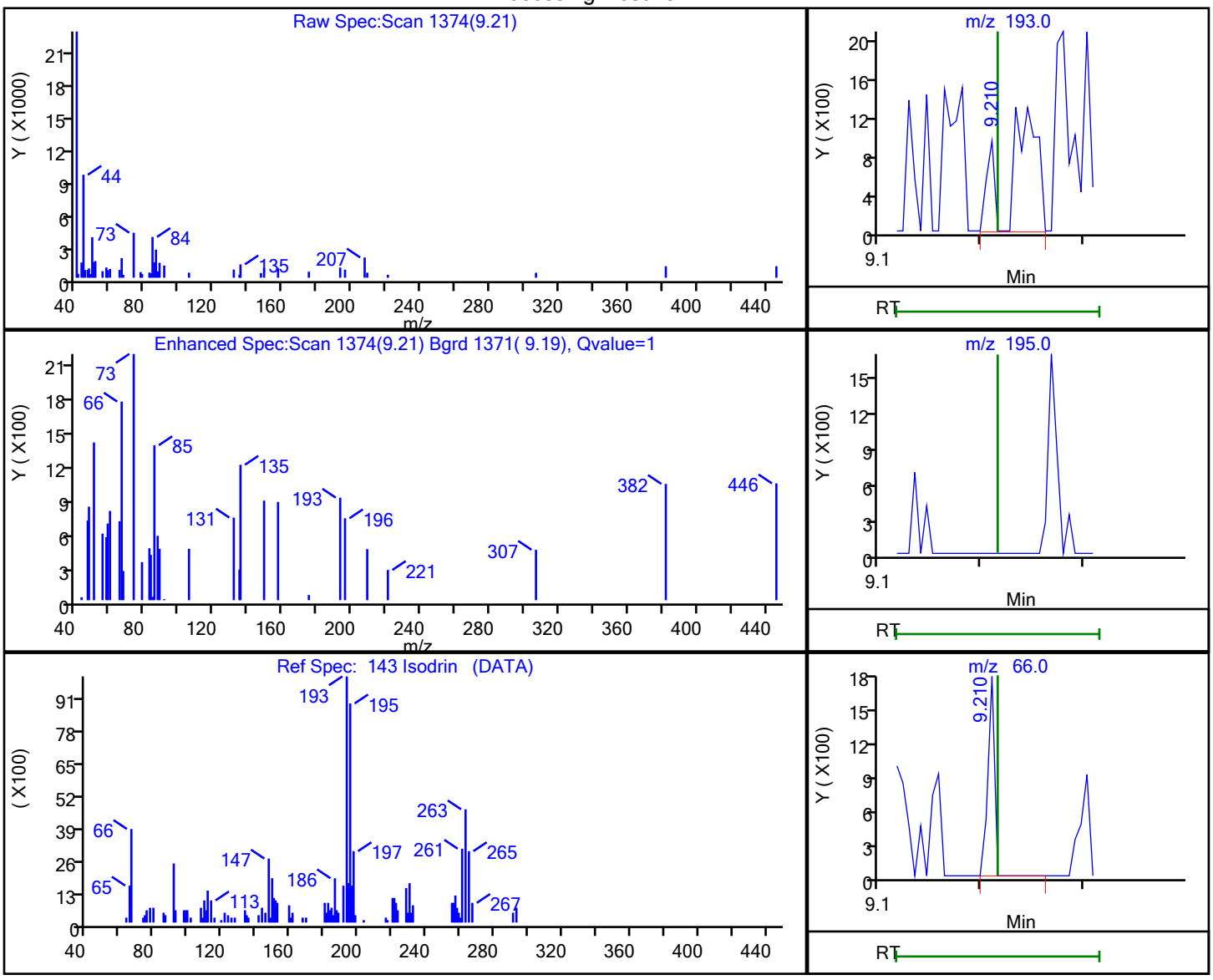
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0724.D				
Injection Date:	07-Aug-2025 16:16:30	Instrument ID:	HP23264		
Lims ID:	410-234898-L-3-A	Lab Sample ID:	410-234898-3		
Client ID:	16MW9				
Operator ID:	CJS101602	ALS Bottle#:	24	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

143 Isodrin, CAS: 465-73-6

Processing Results



RT	Mass	Response	Amount
9.21	193.00	2316	0.191280
9.22	195.00	0	
9.21	66.00	791	
9.22	263.00	0	

Reviewer: RN6U, 07-Aug-2025 19:36:49 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

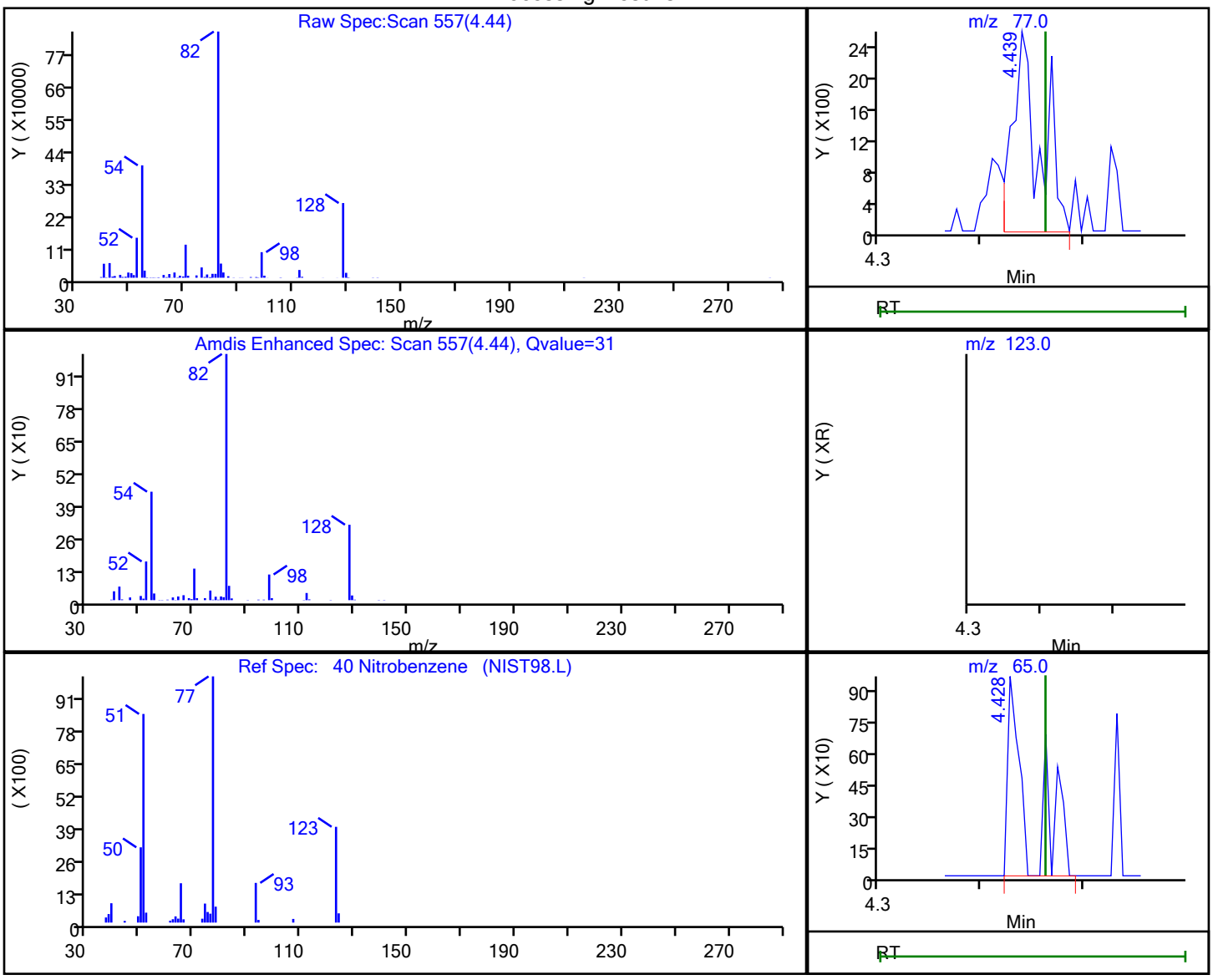
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0724.D				
Injection Date:	07-Aug-2025 16:16:30	Instrument ID:	HP23264		
Lims ID:	410-234898-L-3-A	Lab Sample ID:	410-234898-3		
Client ID:	16MW9				
Operator ID:	CJS101602	ALS Bottle#:	24	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.44	77.00	4466	0.107125
4.46	123.00	0	
4.43	65.00	1290	

Reviewer: RN6U, 07-Aug-2025 19:36:28 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1A
Lab Sample ID: 410-234898-4

Matrix: Water
Lab File ID: HG0725.D

Analysis Method: 8270E
Date Collected: 07/30/2025 11:05

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 248.5(mL)
Date Analyzed: 08/07/2025 16:36

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	cn	10.1	2.01
99-65-0	1,3-Dinitrobenzene	ND	cn	10.1	2.31
108-60-1	bis (2-chloroisopropyl) ether	ND	cn	10.1	0.604
58-90-2	2,3,4,6-Tetrachlorophenol	ND	F1 cn	10.1	1.81
95-95-4	2,4,5-Trichlorophenol	ND	F1 cn	10.1	2.01
88-06-2	2,4,6-Trichlorophenol	ND	F1 cn	10.1	1.81
120-83-2	2,4-Dichlorophenol	ND	F2 F1 cn	10.1	1.60
121-14-2	2,4-Dinitrotoluene	ND	cn	10.1	2.11
87-65-0	2,6-Dichlorophenol	ND	F1 cn	10.1	1.41
606-20-2	2,6-Dinitrotoluene	ND	cn	10.1	2.11
91-58-7	2-Chloronaphthalene	ND	cn	10.1	0.503
95-57-8	2-Chlorophenol	ND	F2 F1 cn	10.1	1.01
91-57-6	2-Methylnaphthalene	ND	cn	10.1	0.292
95-48-7	o-Cresol	ND	F2 F1 cn	10.1	0.966
88-74-4	2-Nitroaniline	ND	cn	10.1	1.01
88-75-5	2-Nitrophenol	ND	cn	10.1	1.28
101-55-3	4-Bromophenyl-phenylether	ND	cn	10.1	0.563
59-50-7	4-Chloro-3-methylphenol	ND	F2 F1 cn	10.1	1.01
7005-72-3	4-Chlorophenyl-phenyl ether	ND	cn	10.1	0.604
106-44-5	m & p-Cresol	ND	F2 F1 cn	20.1	2.48
99-55-8	5-Nitro-o-toluidine	ND	cn	10.1	2.01
83-32-9	Acenaphthene	ND	cn	10.1	0.352
208-96-8	Acenaphthylene	ND	cn	10.1	0.483
120-12-7	Anthracene	ND	cn	10.1	0.523
56-55-3	Benzo[a]anthracene	ND	cn	10.1	0.453
50-32-8	Benzo[a]pyrene	ND	cn	10.1	1.51
205-99-2	Benzo[b]fluoranthene	ND	cn	10.1	1.21

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1A
Lab Sample ID: 410-234898-4

Matrix: Water
Lab File ID: HG0725.D

Analysis Method: 8270E
Date Collected: 07/30/2025 11:05

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 248.5(mL)
Date Analyzed: 08/07/2025 16:36

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	ND	cn	10.1	0.423
207-08-9	Benzo[k]fluoranthene	ND	cn	10.1	1.61
218-01-9	Chrysene	ND	cn	10.1	0.312
2303-16-4	Diallate	ND	cn	10.1	3.02
53-70-3	Dibenz(a,h)anthracene	ND	cn	10.1	0.382
132-64-9	Dibenzofuran	ND	cn	10.1	0.604
84-66-2	Diethyl phthalate	ND	cn	10.1	2.01
60-51-5	Dimethoate	ND	*1 cn	10.1	3.02
62-50-0	Ethyl methanesulfonate	ND	cn	10.1	1.11
206-44-0	Fluoranthene	ND	cn	10.1	0.423
86-73-7	Fluorene	ND	cn	10.1	0.382
118-74-1	Hexachlorobenzene	ND	cn	10.1	0.875
1888-71-7	Hexachloropropene	ND	cn	10.1	2.01
193-39-5	Indeno[1,2,3-cd]pyrene	ND	cn	10.1	0.151
465-73-6	Isodrin	ND	cn	10.1	1.11
143-50-0	Kepone	ND	cn	50.3	25.2
55-18-5	N-Nitrosodiethylamine	ND	cn	10.1	3.02
62-75-9	N-Nitrosodimethylamine	ND	cn	10.1	2.01
86-30-6	n-Nitrosodiphenylamine(as diphenylamine)	ND	cn	10.1	0.584
59-89-2	N-Nitrosomorpholine	ND	cn	10.1	3.02
100-75-4	N-Nitrosopiperidine	ND	cn	10.1	1.11
98-95-3	Nitrobenzene	ND	cn	10.1	0.604
126-68-1	o,o',o''-Triethylphosphorothioate	ND	cn	10.1	2.62
608-93-5	Pentachlorobenzene	ND	cn	10.1	1.61
62-44-2	Phenacetin	ND	cn	10.1	1.41
87-86-5	Pentachlorophenol	ND	F1 cn	10.1	3.02
85-01-8	Phenanthrene	ND	cn	10.1	0.523
108-95-2	Phenol	ND	F2 F1 cn	10.1	0.775
298-02-2	Phorate	ND	cn	10.1	2.52

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1A
Lab Sample ID: 410-234898-4

Matrix: Water
Lab File ID: HG0725.D

Analysis Method: 8270E
Date Collected: 07/30/2025 11:05

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 248.5(mL)
Date Analyzed: 08/07/2025 16:36

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
129-00-0	Pyrene	ND	cn	10.1	0.412
94-59-7	Safrole, Total	ND	cn	10.1	2.21
3689-24-5	Sulfotepp	ND	cn	10.1	2.41
297-97-2	O,O-Diethyl O-2-pyrazinyl phosphorothioate	ND	cn	10.1	2.41
117-81-7	Bis(2-ethylhexyl) phthalate	ND	cn	10.1	2.01

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	10	S1-cn	13-134
321-60-8	2-Fluorobiphenyl (Surr)	79	cn	45-120
367-12-4	2-Fluorophenol (Surr)	3	S1-cn	10-120
4165-60-0	Nitrobenzene-d5 (Surr)	70	cn	33-120
1718-51-0	p-Terphenyl-d14 (Surr)	69	cn	26-123
4165-62-2	Phenol-d5 (Surr)	9	S1-cn	10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0725.D
Lims ID: 410-234898-J-4-C
Client ID: 16WC1A
Sample Type: Client
Inject. Date: 07-Aug-2025 16:36:30 ALS Bottle#: 25 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-234898-J-4-C
Misc. Info.: 410-0155808-026
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 19:44:43 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 19:38:18

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
	2 N-Nitrosodimethylamine	74		1.549				ND	7
$	9 2-Fluorophenol	112	2.647	2.637	0.006	56	19273	0.7764	
	11 N-Nitrosodiethylamine	102		2.833				ND	
	12 Ethyl methanesulfonate	109		3.143				ND	
$	15 Phenol-d5	99	3.575	3.564	0.006	94	82480	2.22	
	16 Phenol	94		3.581				ND	7
	19 2-Chlorophenol	128	3.698	3.686	0.006	1	2710	0.1102	
*	22 1,4-Dichlorobenzene-d4	152	3.884	3.890	-0.006	97	101675	5.00	
	29 2-Methylphenol	108		4.176				ND	
	30 2,2'-oxybis[1-chloropropane]	45		4.176				ND	7
	35 N-Nitrosomorpholine	56		4.328				ND	7
	34 4-Methylphenol	108		4.334				ND	7
$	39 Nitrobenzene-d5	82	4.439	4.439	0.000	87	766250	17.5	
	40 Nitrobenzene	77		4.462				ND	U
	41 N-Nitrosopiperidine	114		4.608				ND	
	43 2-Nitrophenol	139		4.772				ND	
	46 o,o',o''-Triethylphosphorothioat	198		4.900				ND	
	49 2,4-Dichlorophenol	162		5.017				ND	
*	52 Naphthalene-d8	136	5.128	5.128	0.000	100	366682	5.00	
	57 2,6-Dichlorophenol	162		5.227				ND	
	58 Hexachloropropene	213		5.233				ND	
	65 4-Chloro-3-methylphenol	107		5.730				ND	7
	66 Safrole, Total	162		5.753				ND	7
	67 2-Methylnaphthalene	142		5.823				ND	
	70 1,2,4,5-Tetrachlorobenzene	216		5.986				ND	
	79 2,4,6-Trichlorophenol	196		6.109				ND	
	80 2,4,5-Trichlorophenol	196		6.156				ND	
$	81 2-Fluorobiphenyl (Surr)	172	6.179	6.185	-0.006	100	1200497	19.8	
	84 2-Chloronaphthalene	162		6.284				ND	
	87 2-Nitroaniline	138		6.407				ND	
	91 1,3-Dinitrobenzene	168		6.617				ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
92 2,6-Dinitrotoluene	165		6.646				ND	
93 Acenaphthylene	152		6.675				ND	
* 96 Acenaphthene-d10	164	6.804	6.804	0.000	94	212998	5.00	
97 Acenaphthene	153		6.839				ND	7
99 Pentachlorobenzene	250		6.967				ND	7
101 Dibenzofuran	168		7.008				ND	7
102 2,4-Dinitrotoluene	165		7.026				ND	7
105 2,3,4,6-Tetrachlorophenol	232		7.143				ND	7
107 Diethyl phthalate	149		7.265				ND	7
108 Fluorene	166		7.329				ND	7
109 Thionazin	107		7.335				ND	
110 4-Chlorophenyl phenyl ether	204		7.347				ND	7
111 N-Nitro-o-toluidine	152		7.364				ND	
114 N-Nitrosodiphenylamine	169		7.464				ND	7
$ 116 2,4,6-Tribromophenol	330	7.563	7.563	0.000	91	25811	2.55	
117 Sulfotepp	97		7.639				ND	7
120 cis-Diallate	86		7.744				ND	U
119 Phorate	75		7.750				ND	7
121 Phenacetin	108		7.785				ND	7
122 4-Bromophenyl phenyl ether	248		7.808				ND	
123 trans-Diallate	86		7.826				ND	7
124 Hexachlorobenzene	284		7.849				ND	
125 Dimethoate	87		7.919				ND	7
127 Pentachlorophenol	266		8.053				ND	7
* 131 Phenanthrene-d10	188	8.211	8.211	0.000	97	383611	5.00	
132 Phenanthrene	178		8.234				ND	7
135 Anthracene	178		8.287				ND	7
143 Isodrin	193		9.215				ND	U
144 Fluoranthene	202		9.361				ND	7
* 146 Pyrene-d10 (IS)	212	9.554	9.554	0.000	98	414250	5.00	
147 Pyrene	202		9.572				ND	7
S 68 Diallate	86		9.653				ND	7
$ 148 p-Terphenyl-d14	244	9.747	9.747	-0.006	98	957975	17.1	
154 Kepone	272		10.208				ND	
156 Benzo[a]anthracene	228		10.763				ND	7
159 Chrysene	228		10.798				ND	7
160 Bis(2-ethylhexyl) phthalate	149		10.874				ND	7
164 Benzo[b]fluoranthene	252		12.018				ND	7
165 Benzo[k]fluoranthene	252		12.047				ND	U
166 Benzo[a]pyrene	252		12.427				ND	U
* 167 Perylene-d12	264	12.497	12.497	0.000	98	342214	5.00	
171 Indeno[1,2,3-cd]pyrene	276		13.939				ND	7
172 Dibenz(a,h)anthracene	278		13.980				ND	7
173 Benzo[g,h,i]perylene	276		14.284				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

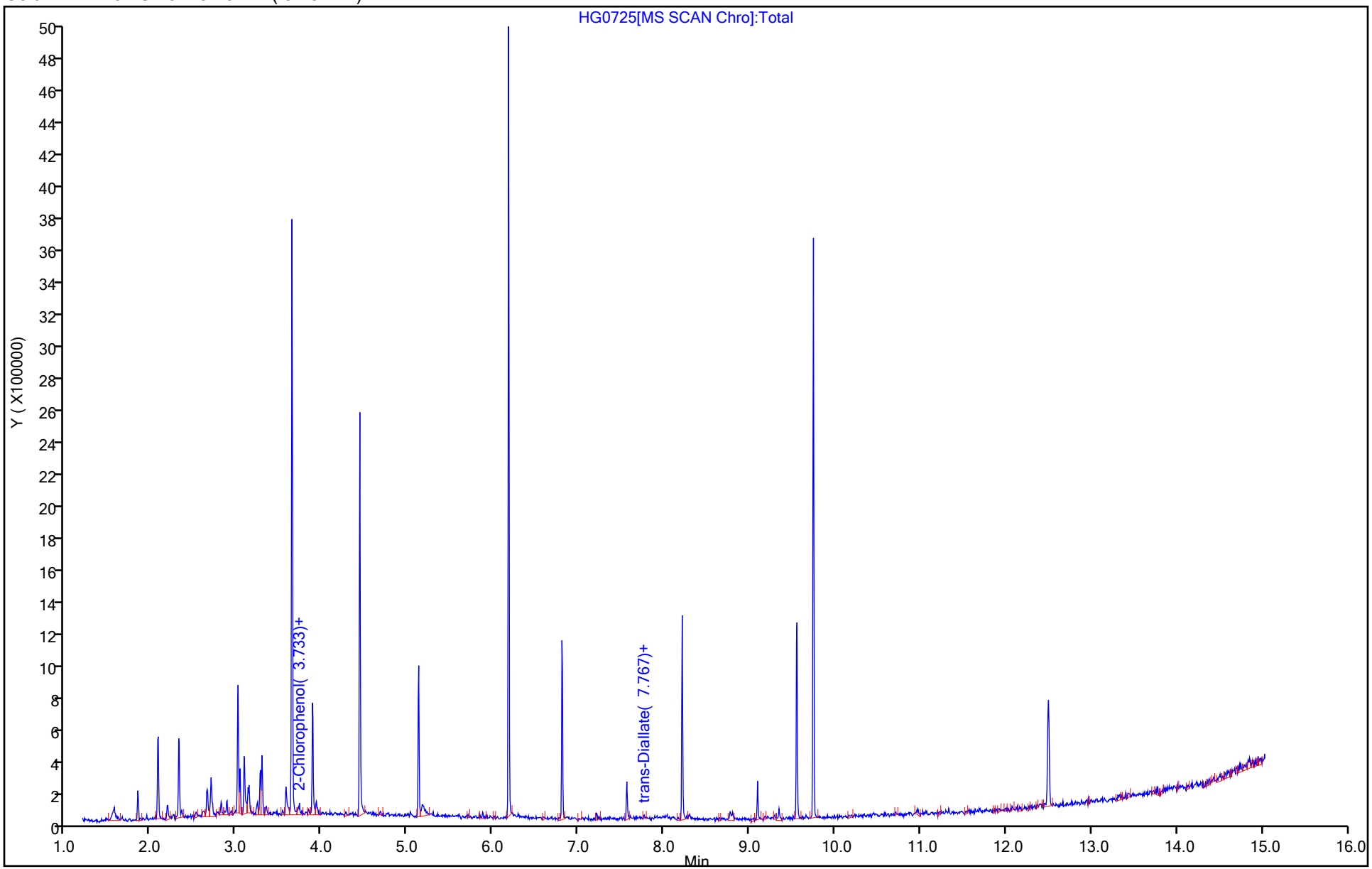
MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 07-Aug-2025 19:44:57 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0725.D				
Injection Date:	07-Aug-2025 16:36:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	410-234898-J-4-C	Lab Sample ID:	410-234898-4	Worklist Smp#:	26
Client ID:	16WC1A				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0725.D
Lims ID: 410-234898-J-4-C
Client ID: 16WC1A
Sample Type: Client
Inject. Date: 07-Aug-2025 16:36:30 ALS Bottle#: 25 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-234898-J-4-C
Misc. Info.: 410-0155808-026
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 19:44:43 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 19:38:18

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	0.7764	3.11
$ 15 Phenol-d5	25.0	2.22	8.87
$ 39 Nitrobenzene-d5	25.0	17.5	70.07
$ 81 2-Fluorobiphenyl (Surr)	25.0	19.8	79.39
$ 116 2,4,6-Tribromophenol	25.0	2.55	10.19
$ 148 p-Terphenyl-d14	25.0	17.1	68.54

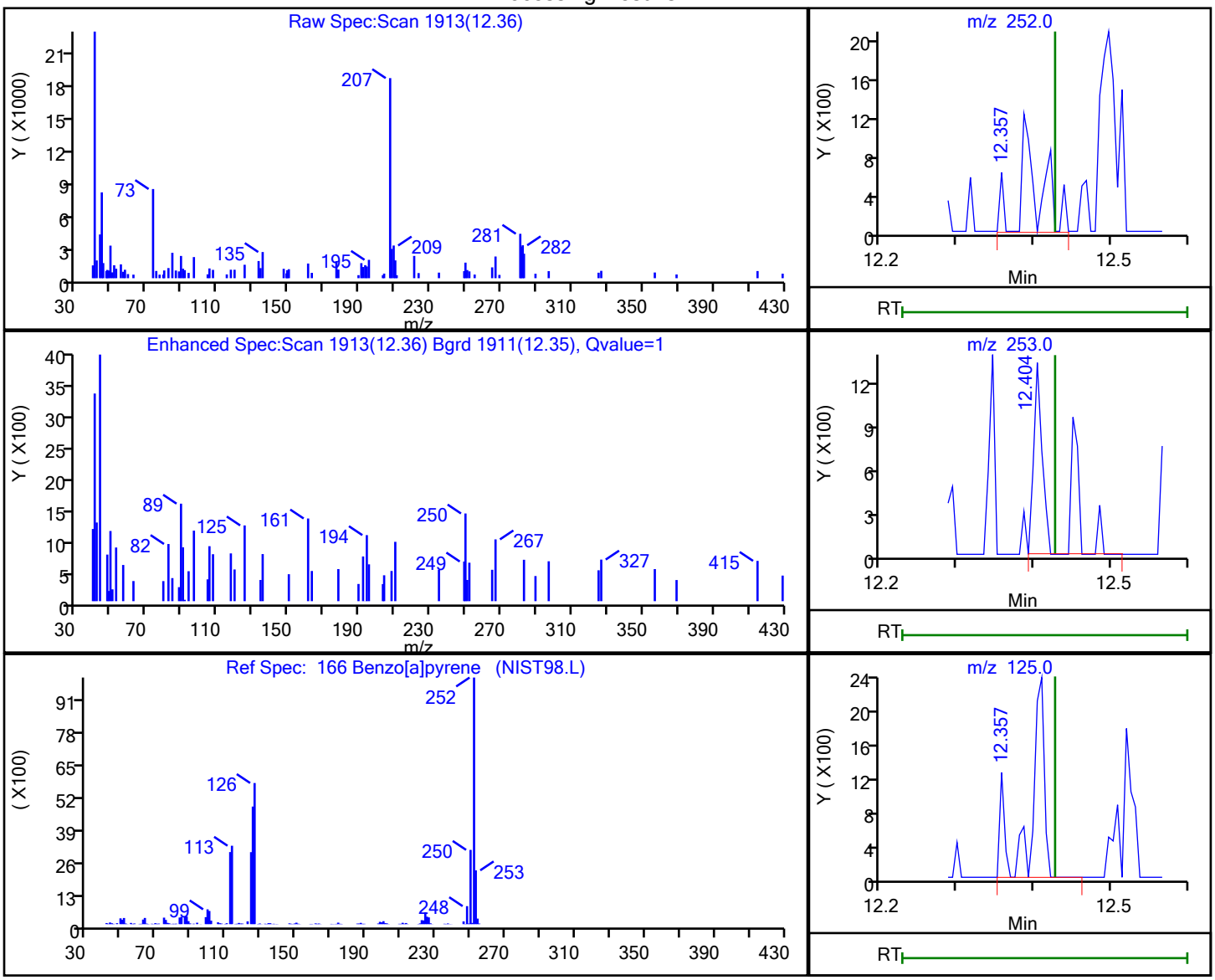
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0725.D				
Injection Date:	07-Aug-2025 16:36:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-4-C	Lab Sample ID:	410-234898-4		
Client ID:	16WC1A				
Operator ID:	CJS101602	ALS Bottle#:	25	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

166 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.36	252.00	1957	0.024609
12.40	253.00	1643	
12.36	125.00	2796	

Reviewer: RN6U, 07-Aug-2025 19:38:13 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

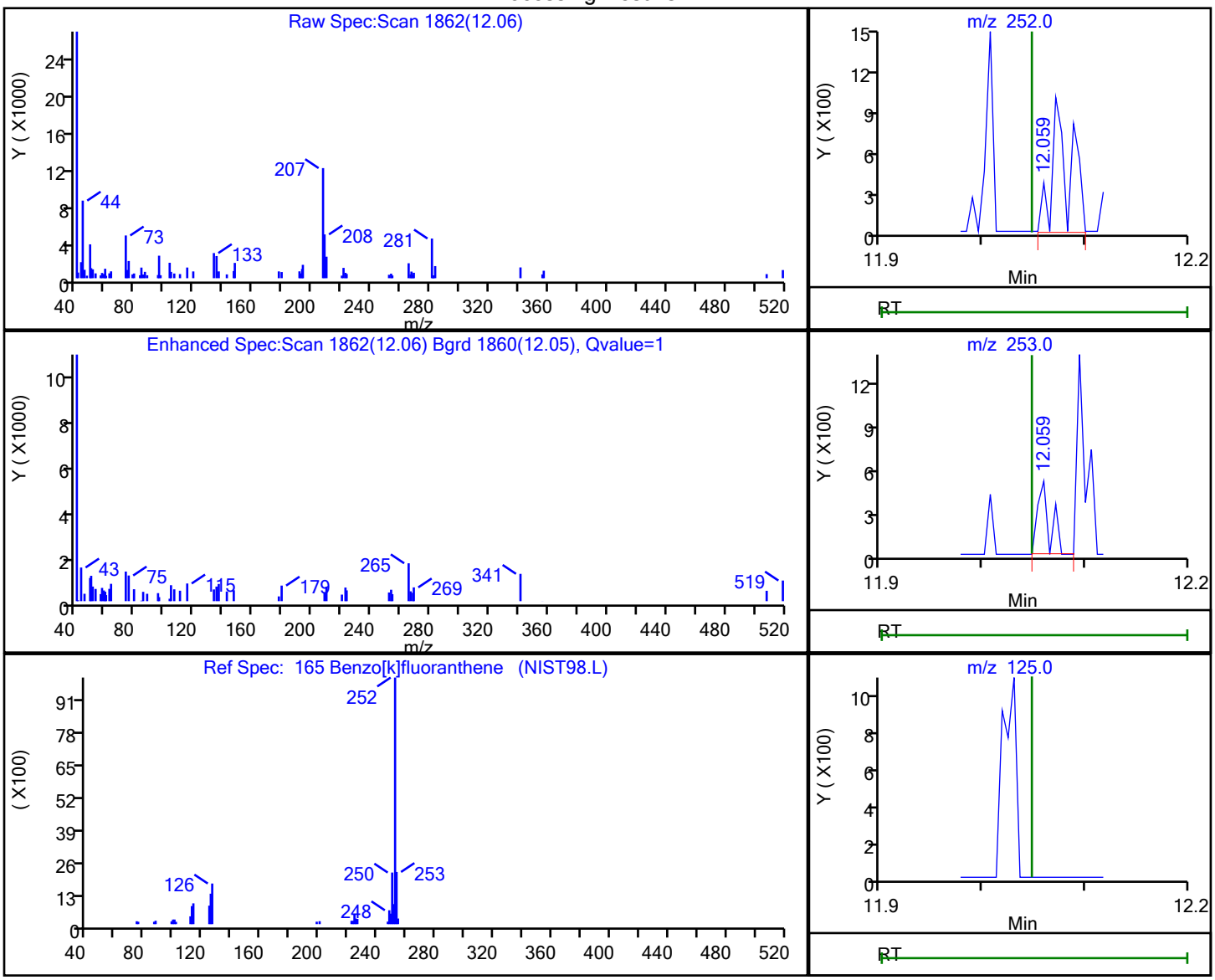
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0725.D				
Injection Date:	07-Aug-2025 16:36:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-4-C	Lab Sample ID:	410-234898-4		
Client ID:	16WC1A				
Operator ID:	CJS101602	ALS Bottle#:	25	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

165 Benzo[k]fluoranthene, CAS: 207-08-9

Processing Results



RT	Mass	Response	Amount
12.06	252.00	1211	0.014083
12.06	253.00	396	
12.05	125.00	0	

Reviewer: RN6U, 07-Aug-2025 19:38:10 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

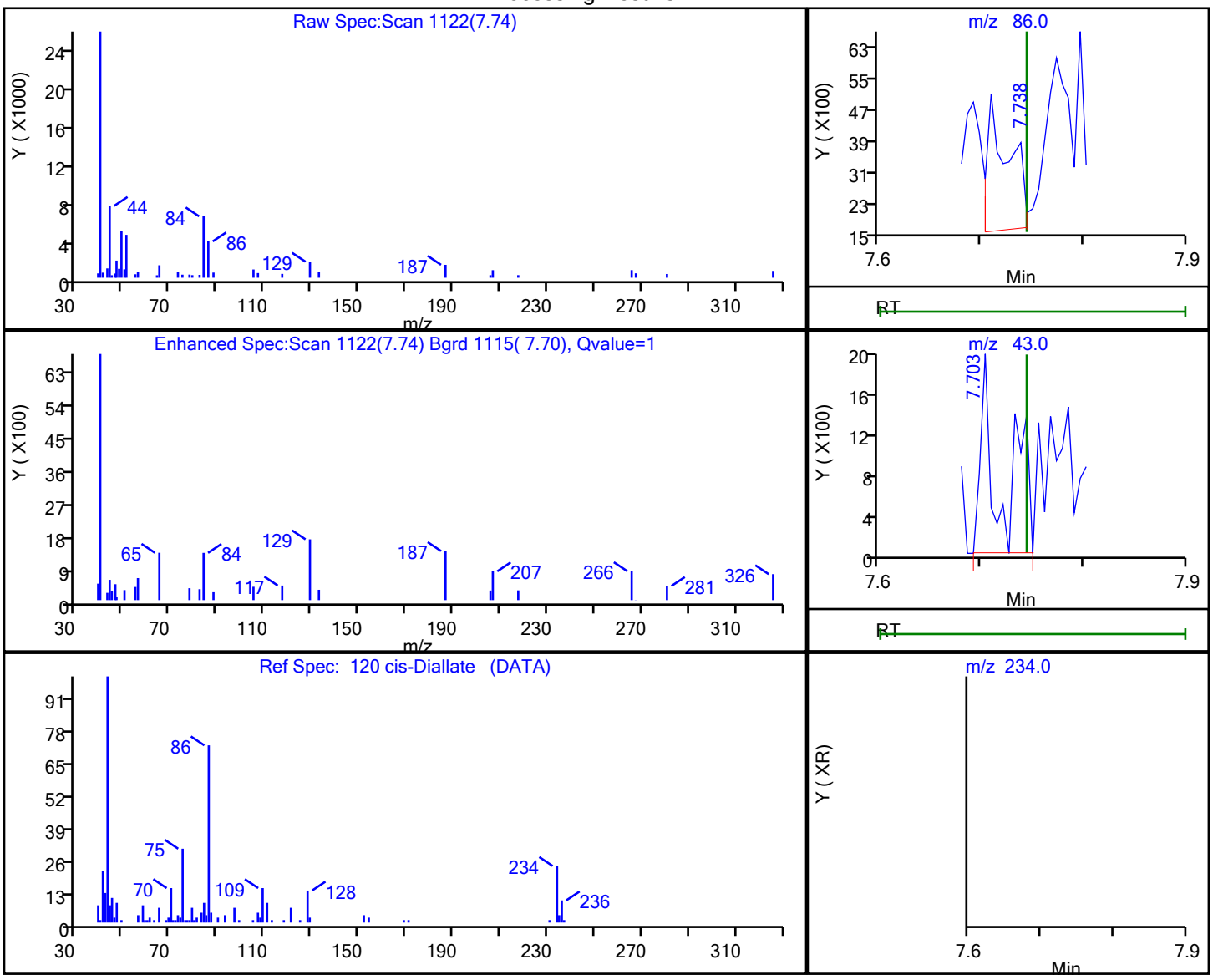
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0725.D				
Injection Date:	07-Aug-2025 16:36:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-4-C	Lab Sample ID:	410-234898-4		
Client ID:	16WC1A				
Operator ID:	CJS101602	ALS Bottle#:	25	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

120 cis-Diallate, CAS: 17708-57-5

Processing Results



RT	Mass	Response	Amount
7.74	86.00	4915	0.166447
7.70	43.00	2630	
7.74	234.00	0	
7.70	70.00	142	

Reviewer: RN6U, 07-Aug-2025 19:37:58 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

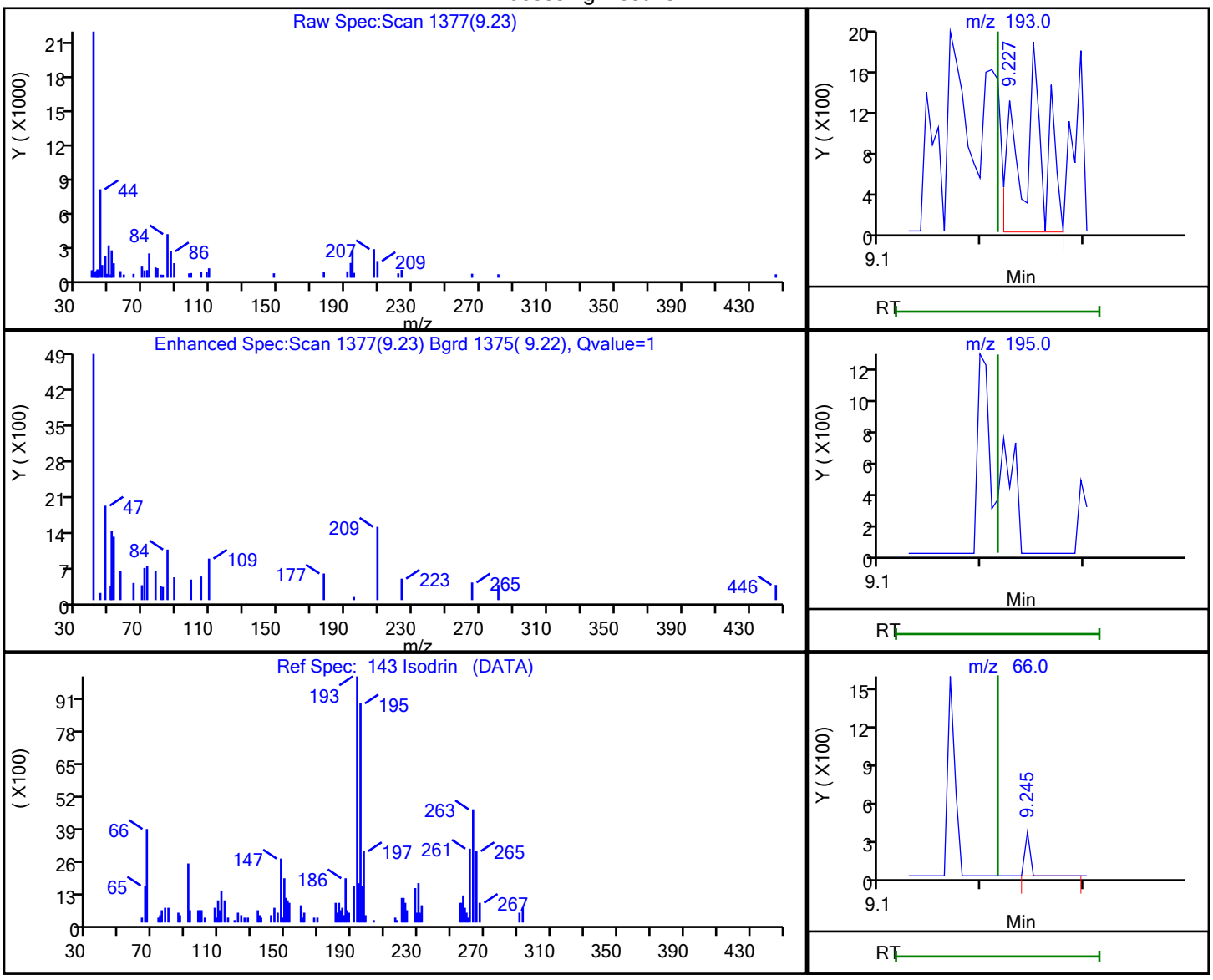
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0725.D				
Injection Date:	07-Aug-2025 16:36:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-4-C	Lab Sample ID:	410-234898-4		
Client ID:	16WC1A				
Operator ID:	CJS101602	ALS Bottle#:	25	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

143 Isodrin, CAS: 465-73-6

Processing Results



RT	Mass	Response	Amount
9.23	193.00	2734	0.220382
9.22	195.00	0	
9.24	66.00	119	
9.22	263.00	0	

Reviewer: RN6U, 07-Aug-2025 19:38:05 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

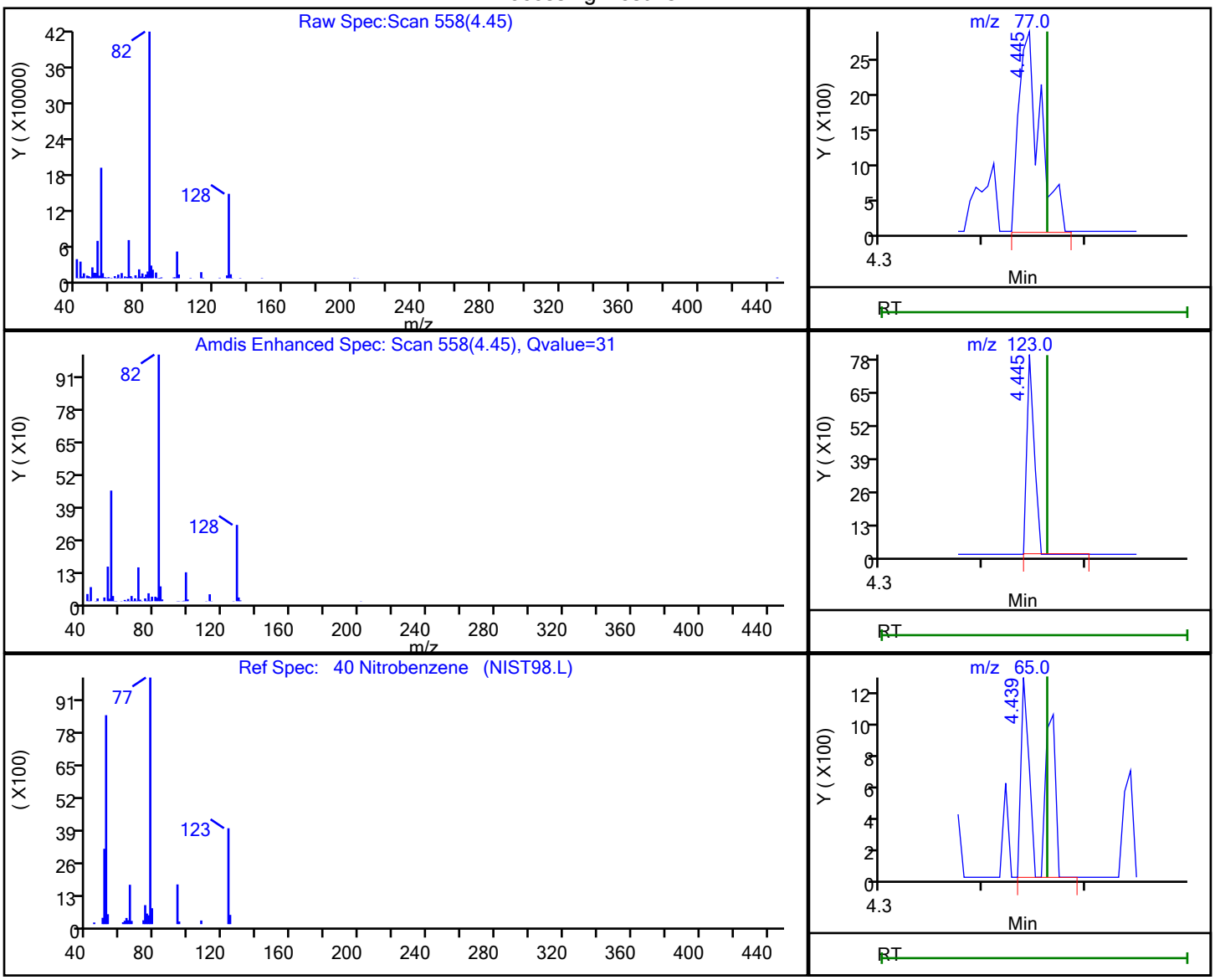
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0725.D				
Injection Date:	07-Aug-2025 16:36:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-4-C	Lab Sample ID:	410-234898-4		
Client ID:	16WC1A				
Operator ID:	CJS101602	ALS Bottle#:	25	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.45	77.00	4089	0.089813
4.45	123.00	393	
4.44	65.00	1405	

Reviewer: RN6U, 07-Aug-2025 19:37:44 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1A RE
Lab Sample ID: 410-234898-4 RE

Matrix: Water
Lab File ID: DH1173.D

Analysis Method: 8270E
Date Collected: 07/30/2025 11:05

Extract. Method: 3510C
Date Extracted: 08/10/2025 16:20

Sample wt/vol: 248.6(mL)
Date Analyzed: 08/12/2025 04:38

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 683977
Units: ug/L

Preparation Batch No.: 683371
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	H	10.1	2.01
99-65-0	1,3-Dinitrobenzene	ND	H	10.1	2.31
108-60-1	bis (2-chloroisopropyl) ether	ND	H	10.1	0.603
58-90-2	2,3,4,6-Tetrachlorophenol	ND	H	10.1	1.81
95-95-4	2,4,5-Trichlorophenol	ND	H	10.1	2.01
88-06-2	2,4,6-Trichlorophenol	ND	H	10.1	1.81
120-83-2	2,4-Dichlorophenol	ND	H	10.1	1.60
121-14-2	2,4-Dinitrotoluene	ND	H	10.1	2.11
87-65-0	2,6-Dichlorophenol	ND	H	10.1	1.41
606-20-2	2,6-Dinitrotoluene	ND	H	10.1	2.11
91-58-7	2-Chloronaphthalene	ND	H	10.1	0.503
95-57-8	2-Chlorophenol	ND	H	10.1	1.01
91-57-6	2-Methylnaphthalene	ND	H	10.1	0.292
95-48-7	o-Cresol	ND	H	10.1	0.965
88-74-4	2-Nitroaniline	ND	H	10.1	1.01
88-75-5	2-Nitrophenol	ND	H	10.1	1.28
101-55-3	4-Bromophenyl-phenylether	ND	H	10.1	0.563
59-50-7	4-Chloro-3-methylphenol	ND	H	10.1	1.01
7005-72-3	4-Chlorophenyl-phenyl ether	ND	H	10.1	0.603
106-44-5	m & p-Cresol	ND	H	20.1	2.48
99-55-8	5-Nitro-o-toluidine	ND	H	10.1	2.01
83-32-9	Acenaphthene	ND	H	10.1	0.352
208-96-8	Acenaphthylene	ND	H	10.1	0.483
120-12-7	Anthracene	ND	H	10.1	0.523
56-55-3	Benzo[a]anthracene	ND	H	10.1	0.453
50-32-8	Benzo[a]pyrene	ND	H	10.1	1.51
205-99-2	Benzo[b]fluoranthene	ND	H	10.1	1.21
191-24-2	Benzo[g,h,i]perylene	ND	H	10.1	0.422
207-08-9	Benzo[k]fluoranthene	ND	H	10.1	1.61
218-01-9	Chrysene	ND	H	10.1	0.312

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1A RE
Lab Sample ID: 410-234898-4 RE

Matrix: Water
Lab File ID: DH1173.D

Analysis Method: 8270E
Date Collected: 07/30/2025 11:05

Extract. Method: 3510C
Date Extracted: 08/10/2025 16:20

Sample wt/vol: 248.6(mL)
Date Analyzed: 08/12/2025 04:38

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 683977
Units: ug/L

Preparation Batch No.: 683371
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2303-16-4	Diallate	ND	H	10.1	3.02
53-70-3	Dibenz(a,h)anthracene	ND	H	10.1	0.382
132-64-9	Dibenzofuran	ND	H	10.1	0.603
84-66-2	Diethyl phthalate	ND	H	10.1	2.01
60-51-5	Dimethoate	ND	H	10.1	3.02
62-50-0	Ethyl methanesulfonate	ND	H	10.1	1.11
206-44-0	Fluoranthene	ND	H	10.1	0.422
86-73-7	Fluorene	ND	H	10.1	0.382
118-74-1	Hexachlorobenzene	ND	H	10.1	0.875
1888-71-7	Hexachloropropene	ND	H	10.1	2.01
193-39-5	Indeno[1,2,3-cd]pyrene	ND	H	10.1	0.151
465-73-6	Isodrin	ND	H	10.1	1.11
143-50-0	Kepone	ND	H *-	50.3	25.1
55-18-5	N-Nitrosodiethylamine	ND	H	10.1	3.02
62-75-9	N-Nitrosodimethylamine	ND	H	10.1	2.01
86-30-6	n-Nitrosodiphenylamine(as diphenylamine)	ND	H	10.1	0.583
59-89-2	N-Nitrosomorpholine	ND	H	10.1	3.02
100-75-4	N-Nitrosopiperidine	ND	H	10.1	1.11
98-95-3	Nitrobenzene	ND	H	10.1	0.603
126-68-1	o,o',o''-Triethylphosphorothioate	ND	H	10.1	2.61
608-93-5	Pentachlorobenzene	ND	H	10.1	1.61
62-44-2	Phenacetin	ND	H	10.1	1.41
87-86-5	Pentachlorophenol	ND	H	10.1	3.02
85-01-8	Phenanthrene	ND	H	10.1	0.523
108-95-2	Phenol	ND	H	10.1	0.774
298-02-2	Phorate	ND	H	10.1	2.51
129-00-0	Pyrene	ND	H	10.1	0.412
94-59-7	Safrole, Total	ND	H	10.1	2.21
3689-24-5	Sulfotepp	ND	H	10.1	2.41

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1A RE
Lab Sample ID: 410-234898-4 RE

Matrix: Water
Lab File ID: DH1173.D

Analysis Method: 8270E
Date Collected: 07/30/2025 11:05

Extract. Method: 3510C
Date Extracted: 08/10/2025 16:20

Sample wt/vol: 248.6(mL)
Date Analyzed: 08/12/2025 04:38

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 683977
Units: ug/L

Preparation Batch No.: 683371
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
297-97-2	*O,O-Diethyl O-2-pyrazinyl phosphorothioate*	*ND*	*H*	*10.1*	*2.41*
117-81-7	*Bis(2-ethylhexyl) phthalate*	*ND*	*H*	*10.1*	*2.01*

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	68		13-134
321-60-8	2-Fluorobiphenyl (Surr)	77		45-120
367-12-4	2-Fluorophenol (Surr)	39		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	80		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	56		26-123
4165-62-2	Phenol-d5 (Surr)	42		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1173.D
Lims ID: 410-234898-I-4-A
Client ID: 16WC1A
Sample Type: Client
Inject. Date: 12-Aug-2025 04:38:11 ALS Bottle#: 23 Worklist Smp#: 42
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-234898-I-4-A
Misc. Info.: 410-0156268-042
Operator ID: EEA115318 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 12-Aug-2025 13:57:34 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1712

First Level Reviewer: W6ZA Date: 12-Aug-2025 13:50:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
3 N-Nitrosodimethylamine	74		1.536				ND	
$ 10 2-Fluorophenol	112	2.602	2.602	0.000	94	381084	9.71	
11 N-Nitrosodiethylamine	102		2.783				ND	
12 Ethyl methanesulfonate	109		3.080				ND	
$ 16 Phenol-d5	99	3.517	3.517	0.005	96	559051	10.4	
17 Phenol	94		3.529				ND	7
20 2-Chlorophenol	128		3.640				ND	7
* 22 1,4-Dichlorobenzene-d4	152	3.838	3.838	0.000	96	150168	5.00	
29 2,2'-oxybis[1-chloropropane]	45		4.118				ND	7
28 2-Methylphenol	108		4.124				ND	
35 N-Nitrosomorpholine	56		4.263				ND	
32 4-Methylphenol	108		4.281				ND	7
$ 39 Nitrobenzene-d5	82	4.380	4.386	-0.006	88	1025039	20.0	
40 Nitrobenzene	77		4.403				ND	U
42 N-Nitrosopiperidine	114		4.549				ND	
44 2-Nitrophenol	139		4.712				ND	
46 o,o',o''-Triethylphosphorothioat	198		4.840				ND	
48 2,4-Dichlorophenol	162		4.963				ND	
* 50 Naphthalene-d8	136	5.074	5.074	0.000	100	606531	5.00	
54 2,6-Dichlorophenol	162		5.167				ND	
55 Hexachloropropene	213		5.179				ND	
64 4-Chloro-3-methylphenol	107		5.668				ND	
65 Safrole, Total	162		5.691				ND	
66 2-Methylnaphthalene	142		5.761				ND	
69 1,2,4,5-Tetrachlorobenzene	216		5.925				ND	
71 2,4,6-Trichlorophenol	196		6.047				ND	
72 2,4,5-Trichlorophenol	196		6.099				ND	
$ 73 2-Fluorobiphenyl (Surr)	172	6.117	6.123	-0.006	100	1831376	19.2	
76 2-Chloronaphthalene	162		6.222				ND	
79 2-Nitroaniline	138		6.338				ND	
86 1,3-Dinitrobenzene	168		6.542				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
87 2,6-Dinitrotoluene	165		6.572				ND	
88 Acenaphthylene	152		6.612				ND	
* 90 Acenaphthene-d10	164	6.741	6.741	-0.001	94	339455	5.00	
91 Acenaphthene	153		6.776				ND	7
94 Pentachlorobenzene	250		6.904				ND	
96 Dibenzofuran	168		6.945				ND	
95 2,4-Dinitrotoluene	165		6.950				ND	7
98 2,3,4,6-Tetrachlorophenol	232		7.073				ND	
100 Diethyl phthalate	149		7.195				ND	7
102 Fluorene	166		7.265				ND	
101 Thionazin	107		7.265				ND	
103 4-Chlorophenyl phenyl ether	204		7.283				ND	
104 N-Nitro-o-toluidine	152		7.294				ND	
107 N-Nitrosodiphenylamine	169		7.393				ND	7
$ 109 2,4,6-Tribromophenol	330	7.492	7.498	-0.006	94	233412	17.0	
110 Sulfotepp	97		7.562				ND	7
113 cis-Diallate	86		7.673				ND	U
114 Phorate	75		7.679				ND	7
115 Phenacetin	108		7.708				ND	7
116 4-Bromophenyl phenyl ether	248		7.737				ND	
117 trans-Diallate	86		7.755				ND	7
118 Hexachlorobenzene	284		7.778				ND	
119 Dimethoate	87		7.836				ND	7
121 Pentachlorophenol	266		7.982				ND	U
* 126 Phenanthrene-d10	188	8.139	8.140	-0.001	98	619979	5.00	
128 Phenanthrene	178		8.169				ND	7
129 Anthracene	178		8.215				ND	7
141 Isodrin	193		9.142				ND	7
143 Fluoranthene	202		9.288				ND	7
* 149 Pyrene-d10 (IS)	212	9.474	9.480	-0.006	99	615192	5.00	
150 Pyrene	202		9.498				ND	7
S 136 Diallate	86		9.653				ND	7
$ 152 p-Terphenyl-d14	244	9.672	9.672	-0.006	98	1325077	14.0	
153 Kepone	272		10.139				ND	
161 Benzo[a]anthracene	228		10.675				ND	
162 Chrysene	228		10.716				ND	
163 Bis(2-ethylhexyl) phthalate	149		10.786				ND	7
167 Benzo[b]fluoranthene	252		11.905				ND	7
168 Benzo[k]fluoranthene	252		11.940				ND	7
169 Benzo[a]pyrene	252		12.307				ND	U
* 170 Perylene-d12	264	12.371	12.377	-0.006	98	445064	5.00	
174 Indeno[1,2,3-cd]pyrene	276		13.787				ND	
175 Dibenz(a,h)anthracene	278		13.834				ND	7
176 Benzo[g,h,i]perylene	276		14.131				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

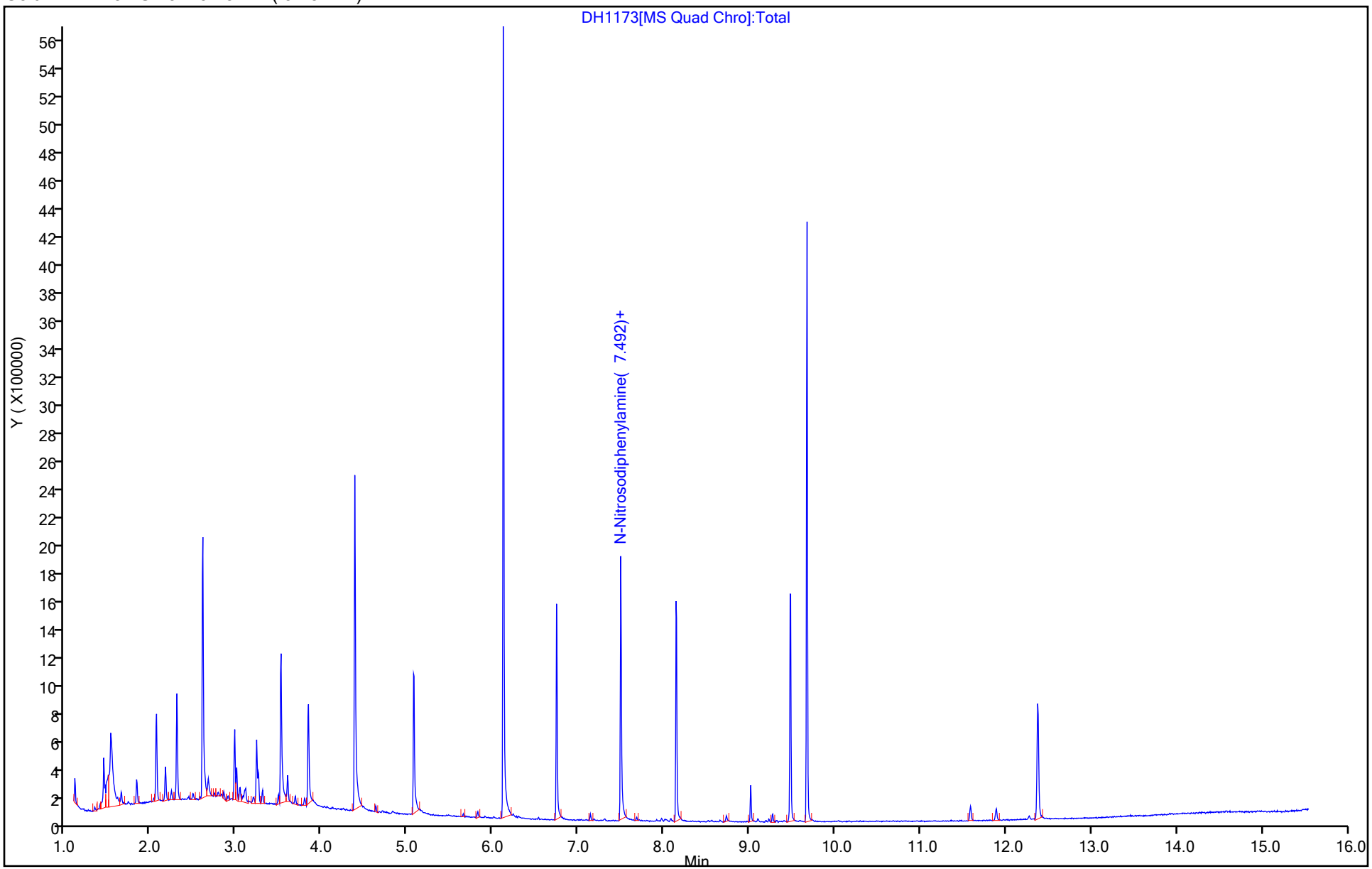
Report Date: 12-Aug-2025 13:58:17 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1173.D

Injection Date:	12-Aug-2025 04:38:11	Instrument ID:	HP19760	Operator ID:	EEA115318
Lims ID:	410-234898-I-4-A	Lab Sample ID:	410-234898-4	Worklist Smp#:	42
Client ID:	16WC1A				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1173.D				
Lims ID:	410-234898-I-4-A				
Client ID:	16WC1A				
Sample Type:	Client				
Inject. Date:	12-Aug-2025 04:38:11	ALS Bottle#:	23	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-234898-I-4-A				
Misc. Info.:	410-0156268-042				
Operator ID:	EEA115318	Instrument ID:	HP19760		
Method:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\MSSemi_HP19760.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	12-Aug-2025 13:57:34	Calib Date:	23-Jul-2025 10:39:28		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1712				

First Level Reviewer: W6ZA Date: 12-Aug-2025 13:50:40

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	25.0	9.71	38.85
$ 16 Phenol-d5	25.0	10.4	41.50
$ 39 Nitrobenzene-d5	25.0	20.0	80.17
$ 73 2-Fluorobiphenyl (Surr)	25.0	19.2	76.89
$ 109 2,4,6-Tribromophenol	25.0	17.0	68.16
$ 152 p-Terphenyl-d14	25.0	14.0	56.04

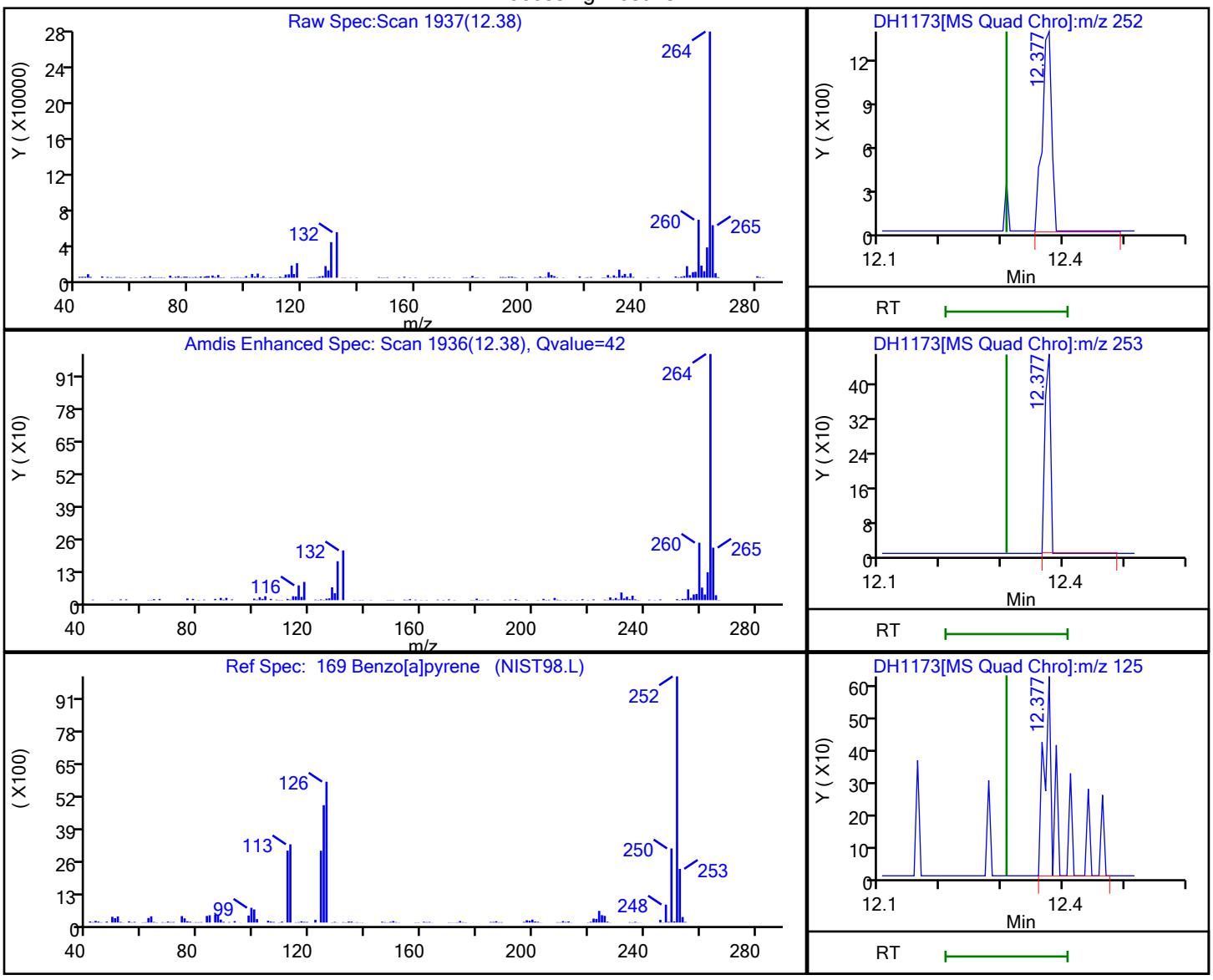
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1173.D				
Injection Date:	12-Aug-2025 04:38:11	Instrument ID:	HP19760		
Lims ID:	410-234898-I-4-A	Lab Sample ID:	410-234898-4		
Client ID:	16WC1A				
Operator ID:	EEA115318	ALS Bottle#:	23	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

169 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.38	252.00	1480	0.015141
12.38	253.00	292	
12.38	125.00	899	

Reviewer: W6ZA, 12-Aug-2025 13:50:39 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

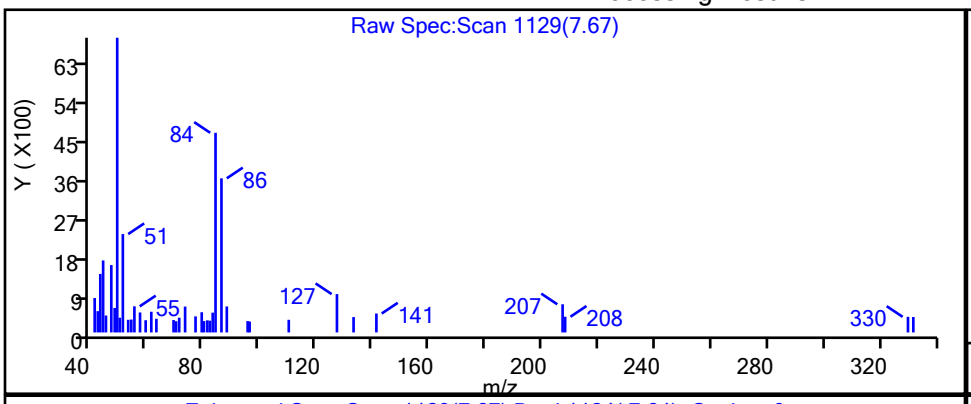
User Disabled Compound Report

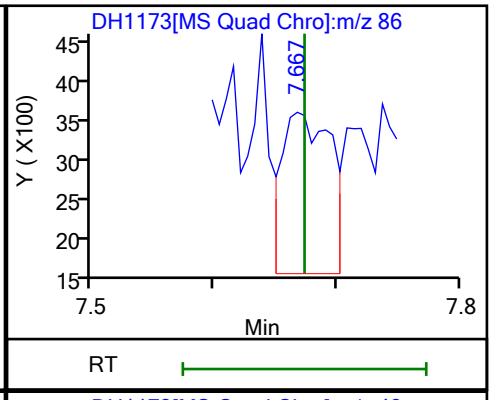
Eurofins Lancaster Laboratories Environment Testing, LLC

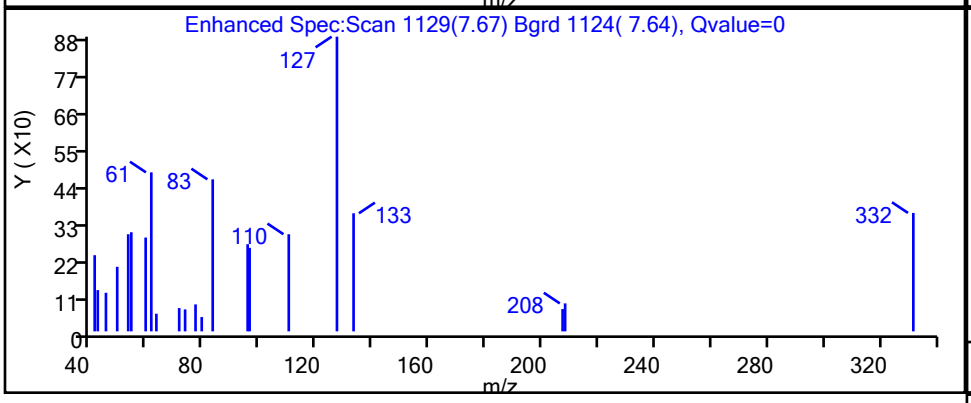
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1173.D				
Injection Date:	12-Aug-2025 04:38:11	Instrument ID:	HP19760		
Lims ID:	410-234898-I-4-A	Lab Sample ID:	410-234898-4		
Client ID:	16WC1A				
Operator ID:	EEA115318	ALS Bottle#:	23	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

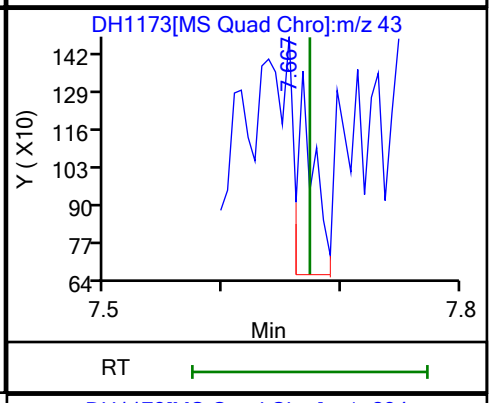
113 cis-Diallate, CAS: 17708-57-5

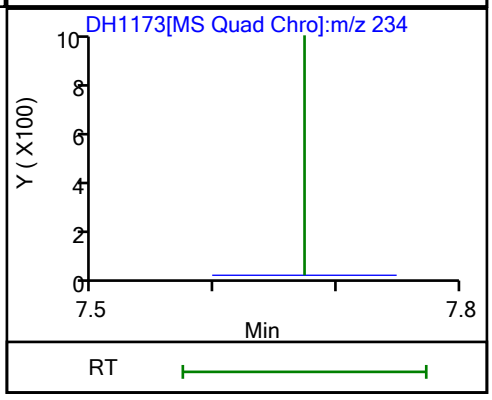
Processing Results











RT	Mass	Response	Amount
7.67	86.00	5488	0.125741
7.67	43.00	629	
7.67	234.00	0	
7.68	70.00	1243	

Reviewer: W6ZA, 12-Aug-2025 13:50:32 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

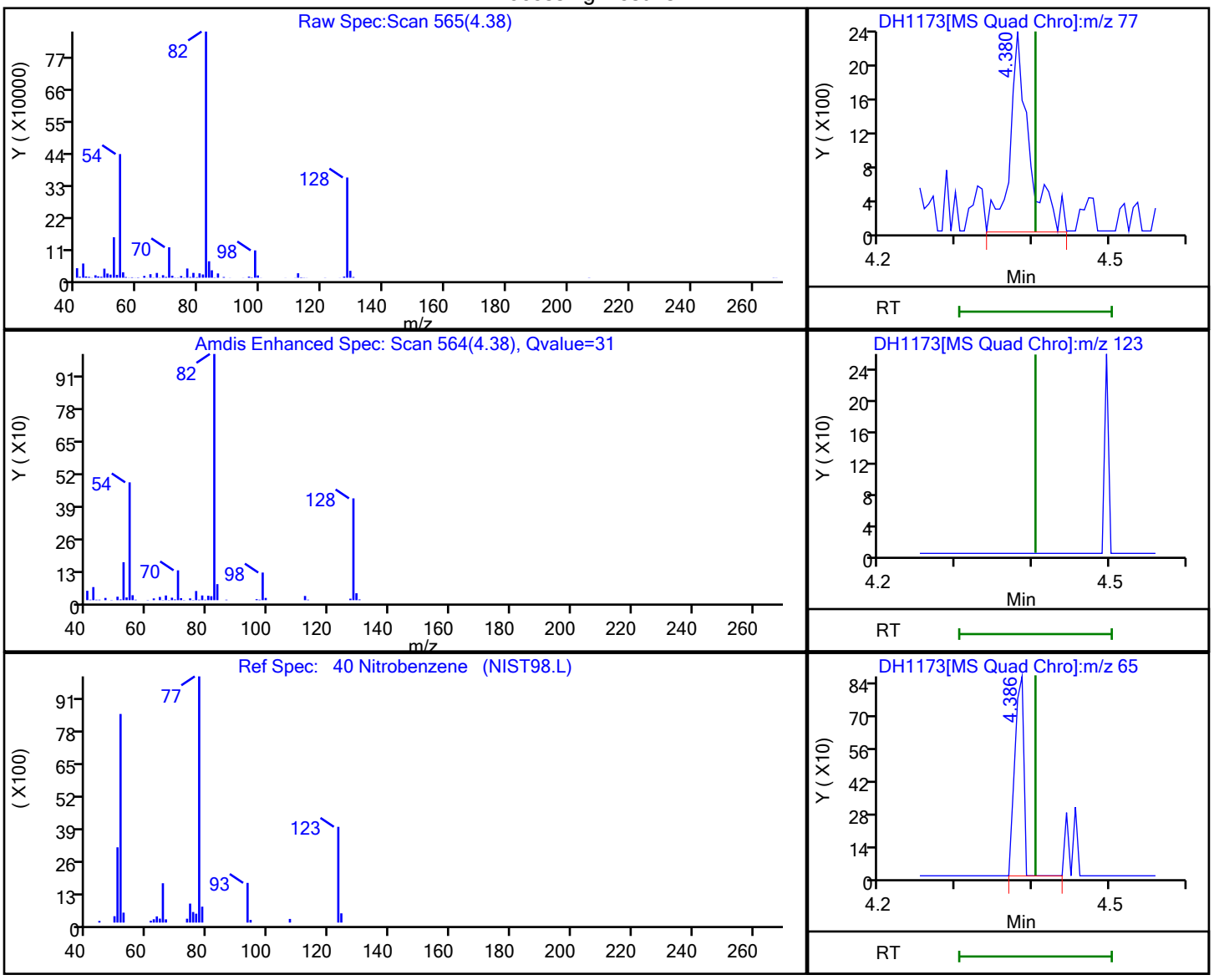
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1173.D				
Injection Date:	12-Aug-2025 04:38:11	Instrument ID:	HP19760		
Lims ID:	410-234898-I-4-A	Lab Sample ID:	410-234898-4		
Client ID:	16WC1A				
Operator ID:	EEA115318	ALS Bottle#:	23	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.38	77.00	4215	0.084051
4.40	123.00	0	
4.39	65.00	703	

Reviewer: W6ZA, 12-Aug-2025 13:50:23 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

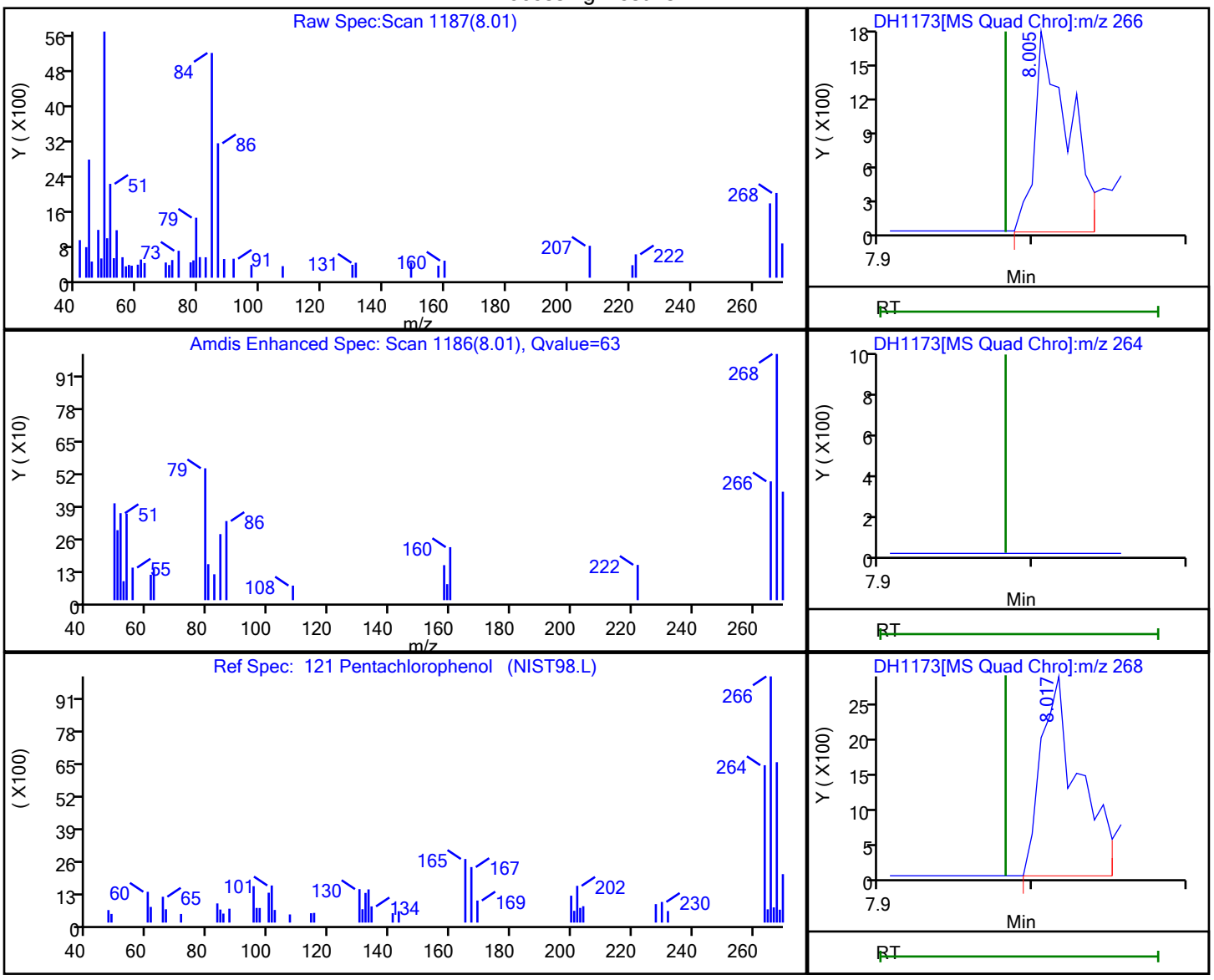
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1173.D				
Injection Date:	12-Aug-2025 04:38:11	Instrument ID:	HP19760		
Lims ID:	410-234898-I-4-A	Lab Sample ID:	410-234898-4		
Client ID:	16WC1A				
Operator ID:	EEA115318	ALS Bottle#:	23	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

121 Pentachlorophenol, CAS: 87-86-5

Processing Results



RT	Mass	Response	Amount
8.01	266.00	2582	0.145179
7.98	264.00	0	
8.02	268.00	4841	

Reviewer: W6ZA, 12-Aug-2025 13:50:35 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WDUP
Lab Sample ID: 410-234898-5

Matrix: Water
Lab File ID: HG0728.D

Analysis Method: 8270E
Date Collected: 07/30/2025 09:25

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 236.8(mL)
Date Analyzed: 08/07/2025 17:37

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	cn	10.6	2.11
99-65-0	1,3-Dinitrobenzene	ND	cn	10.6	2.43
108-60-1	bis (2-chloroisopropyl) ether	ND	cn	10.6	0.633
58-90-2	2,3,4,6-Tetrachlorophenol	ND	cn	10.6	1.90
95-95-4	2,4,5-Trichlorophenol	ND	cn	10.6	2.11
88-06-2	2,4,6-Trichlorophenol	ND	cn	10.6	1.90
120-83-2	2,4-Dichlorophenol	ND	cn	10.6	1.68
121-14-2	2,4-Dinitrotoluene	ND	cn	10.6	2.22
87-65-0	2,6-Dichlorophenol	ND	cn	10.6	1.48
606-20-2	2,6-Dinitrotoluene	ND	cn	10.6	2.22
91-58-7	2-Chloronaphthalene	ND	cn	10.6	0.528
95-57-8	2-Chlorophenol	ND	cn	10.6	1.06
91-57-6	2-Methylnaphthalene	ND	cn	10.6	0.306
95-48-7	o-Cresol	ND	cn	10.6	1.01
88-74-4	2-Nitroaniline	ND	cn	10.6	1.06
88-75-5	2-Nitrophenol	ND	cn	10.6	1.34
101-55-3	4-Bromophenyl-phenylether	ND	cn	10.6	0.591
59-50-7	4-Chloro-3-methylphenol	ND	cn	10.6	1.06
7005-72-3	4-Chlorophenyl-phenyl ether	ND	cn	10.6	0.633
106-44-5	m & p-Cresol	ND	cn	21.1	2.61
99-55-8	5-Nitro-o-toluidine	ND	cn	10.6	2.11
83-32-9	Acenaphthene	ND	cn	10.6	0.370
208-96-8	Acenaphthylene	ND	cn	10.6	0.507
120-12-7	Anthracene	ND	cn	10.6	0.549
56-55-3	Benzo[a]anthracene	ND	cn	10.6	0.475
50-32-8	Benzo[a]pyrene	ND	cn	10.6	1.58
205-99-2	Benzo[b]fluoranthene	ND	cn	10.6	1.27
191-24-2	Benzo[g,h,i]perylene	ND	cn	10.6	0.443
207-08-9	Benzo[k]fluoranthene	ND	cn	10.6	1.69
218-01-9	Chrysene	ND	cn	10.6	0.327

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WDUP
Lab Sample ID: 410-234898-5

Matrix: Water
Lab File ID: HG0728.D

Analysis Method: 8270E
Date Collected: 07/30/2025 09:25

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 236.8(mL)
Date Analyzed: 08/07/2025 17:37

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2303-16-4	Diallate	ND	cn	10.6	3.17
53-70-3	Dibenz(a,h)anthracene	ND	cn	10.6	0.401
132-64-9	Dibenzofuran	ND	cn	10.6	0.633
84-66-2	Diethyl phthalate	ND	cn	10.6	2.11
60-51-5	Dimethoate	ND	*1 cn	10.6	3.17
62-50-0	Ethyl methanesulfonate	ND	cn	10.6	1.16
206-44-0	Fluoranthene	ND	cn	10.6	0.443
86-73-7	Fluorene	ND	cn	10.6	0.401
118-74-1	Hexachlorobenzene	ND	cn	10.6	0.918
1888-71-7	Hexachloropropene	ND	cn	10.6	2.11
193-39-5	Indeno[1,2,3-cd]pyrene	ND	cn	10.6	0.158
465-73-6	Isodrin	ND	cn	10.6	1.16
143-50-0	Kepone	ND	cn	52.8	26.4
55-18-5	N-Nitrosodiethylamine	ND	cn	10.6	3.17
62-75-9	N-Nitrosodimethylamine	ND	cn	10.6	2.11
86-30-6	n-Nitrosodiphenylamine(as diphenylamine)	ND	cn	10.6	0.612
59-89-2	N-Nitrosomorpholine	ND	cn	10.6	3.17
100-75-4	N-Nitrosopiperidine	ND	cn	10.6	1.16
98-95-3	Nitrobenzene	ND	cn	10.6	0.633
126-68-1	o,o',o''-Triethylphosphorothioate	ND	cn	10.6	2.74
608-93-5	Pentachlorobenzene	ND	cn	10.6	1.69
62-44-2	Phenacetin	ND	cn	10.6	1.48
87-86-5	Pentachlorophenol	ND	cn	10.6	3.17
85-01-8	Phenanthrene	ND	cn	10.6	0.549
108-95-2	Phenol	ND	cn	10.6	0.813
298-02-2	Phorate	ND	cn	10.6	2.64
129-00-0	Pyrene	ND	cn	10.6	0.433
94-59-7	Safrole, Total	ND	cn	10.6	2.32
3689-24-5	Sulfotepp	ND	cn	10.6	2.53

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WDUP
Lab Sample ID: 410-234898-5

Matrix: Water
Lab File ID: HG0728.D

Analysis Method: 8270E
Date Collected: 07/30/2025 09:25

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 236.8(mL)
Date Analyzed: 08/07/2025 17:37

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
297-97-2	O,O-Diethyl O-2-pyrazinyl phosphorothioate	ND	cn	10.6	2.53
117-81-7	Bis(2-ethylhexyl) phthalate	ND	cn	10.6	2.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	19	cn	13-134
321-60-8	2-Fluorobiphenyl (Surr)	77	cn	45-120
367-12-4	2-Fluorophenol (Surr)	15	cn	10-120
4165-60-0	Nitrobenzene-d5 (Surr)	64	cn	33-120
1718-51-0	p-Terphenyl-d14 (Surr)	55	cn	26-123
4165-62-2	Phenol-d5 (Surr)	9	S1-cn	10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0728.D
Lims ID: 410-234898-J-5-A
Client ID: 16WDUP
Sample Type: Client
Inject. Date: 07-Aug-2025 17:37:30 ALS Bottle#: 28 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-234898-J-5-A
Misc. Info.: 410-0155808-029
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 19:44:43 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 19:44:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
2 N-Nitrosodimethylamine	74		1.549				ND	7
$ 9 2-Fluorophenol	112	2.641	2.637	0.000	91	125153	3.82	
11 N-Nitrosodiethylamine	102		2.833				ND	
12 Ethyl methanesulfonate	109		3.143				ND	
$ 15 Phenol-d5	99	3.569	3.564	0.000	94	104613	2.13	
16 Phenol	94		3.581				ND	7
19 2-Chlorophenol	128		3.692				ND	7
* 22 1,4-Dichlorobenzene-d4	152	3.885	3.890	-0.005	97	134062	5.00	
29 2-Methylphenol	108		4.176				ND	
30 2,2'-oxybis[1-chloropropane]	45		4.176				ND	7
35 N-Nitrosomorpholine	56		4.328				ND	
34 4-Methylphenol	108		4.334				ND	7
$ 39 Nitrobenzene-d5	82	4.439	4.439	0.000	87	881082	16.0	
40 Nitrobenzene	77		4.462				ND	U
41 N-Nitrosopiperidine	114		4.608				ND	
43 2-Nitrophenol	139		4.772				ND	7
46 o,o',o''-Triethylphosphorothioat	198		4.900				ND	
49 2,4-Dichlorophenol	162		5.017				ND	
* 52 Naphthalene-d8	136	5.128	5.128	0.000	100	462080	5.00	
57 2,6-Dichlorophenol	162		5.227				ND	
58 Hexachloropropene	213		5.233				ND	
65 4-Chloro-3-methylphenol	107		5.730				ND	7
66 Safrole, Total	162		5.753				ND	
67 2-Methylnaphthalene	142		5.823				ND	7
70 1,2,4,5-Tetrachlorobenzene	216		5.986				ND	7
79 2,4,6-Trichlorophenol	196		6.109				ND	7
80 2,4,5-Trichlorophenol	196		6.156				ND	7
$ 81 2-Fluorobiphenyl (Surr)	172	6.179	6.185	-0.006	99	1382773	19.2	
84 2-Chloronaphthalene	162		6.284				ND	7
87 2-Nitroaniline	138		6.407				ND	
91 1,3-Dinitrobenzene	168		6.617				ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
92 2,6-Dinitrotoluene	165		6.646				ND	
93 Acenaphthylene	152		6.675				ND	7
* 96 Acenaphthene-d10	164	6.804	6.804	0.000	94	253021	5.00	
97 Acenaphthene	153		6.839				ND	U
99 Pentachlorobenzene	250		6.967				ND	7
101 Dibenzofuran	168		7.008				ND	7
102 2,4-Dinitrotoluene	165		7.026				ND	7
105 2,3,4,6-Tetrachlorophenol	232		7.143				ND	
107 Diethyl phthalate	149		7.265				ND	7
108 Fluorene	166		7.329				ND	7
109 Thionazin	107		7.335				ND	7
110 4-Chlorophenyl phenyl ether	204		7.347				ND	7
111 N-Nitro-o-toluidine	152		7.364				ND	
114 N-Nitrosodiphenylamine	169		7.464				ND	7
$ 116 2,4,6-Tribromophenol	330	7.563	7.563	0.000	93	56163	4.66	
117 Sulfotepp	97		7.639				ND	7
120 cis-Diallate	86		7.744				ND	U
119 Phorate	75		7.750				ND	7
121 Phenacetin	108		7.785				ND	7
122 4-Bromophenyl phenyl ether	248		7.808				ND	7
123 trans-Diallate	86		7.826				ND	7
124 Hexachlorobenzene	284		7.849				ND	
125 Dimethoate	87		7.919				ND	7
127 Pentachlorophenol	266		8.053				ND	7
* 131 Phenanthrene-d10	188	8.211	8.211	0.000	97	496101	5.00	
132 Phenanthrene	178		8.234				ND	7
135 Anthracene	178		8.287				ND	7
143 Isodrin	193		9.215				ND	7
144 Fluoranthene	202		9.361				ND	7
* 146 Pyrene-d10 (IS)	212	9.548	9.554	-0.006	98	517909	5.00	
147 Pyrene	202		9.572				ND	U
S 68 Diallate	86		9.653				ND	7
$ 148 p-Terphenyl-d14	244	9.747	9.747	-0.006	98	968828	13.9	
154 Kepone	272		10.208				ND	
156 Benzo[a]anthracene	228		10.763				ND	
159 Chrysene	228		10.798				ND	7
160 Bis(2-ethylhexyl) phthalate	149		10.874				ND	7
164 Benzo[b]fluoranthene	252		12.018				ND	7
165 Benzo[k]fluoranthene	252		12.047				ND	7
166 Benzo[a]pyrene	252	12.427	12.427	0.000	1	2037	0.0205	
* 167 Perylene-d12	264	12.497	12.497	0.000	98	426805	5.00	
171 Indeno[1,2,3-cd]pyrene	276		13.939				ND	7
172 Dibenz(a,h)anthracene	278		13.980				ND	7
173 Benzo[g,h,i]perylene	276		14.284				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

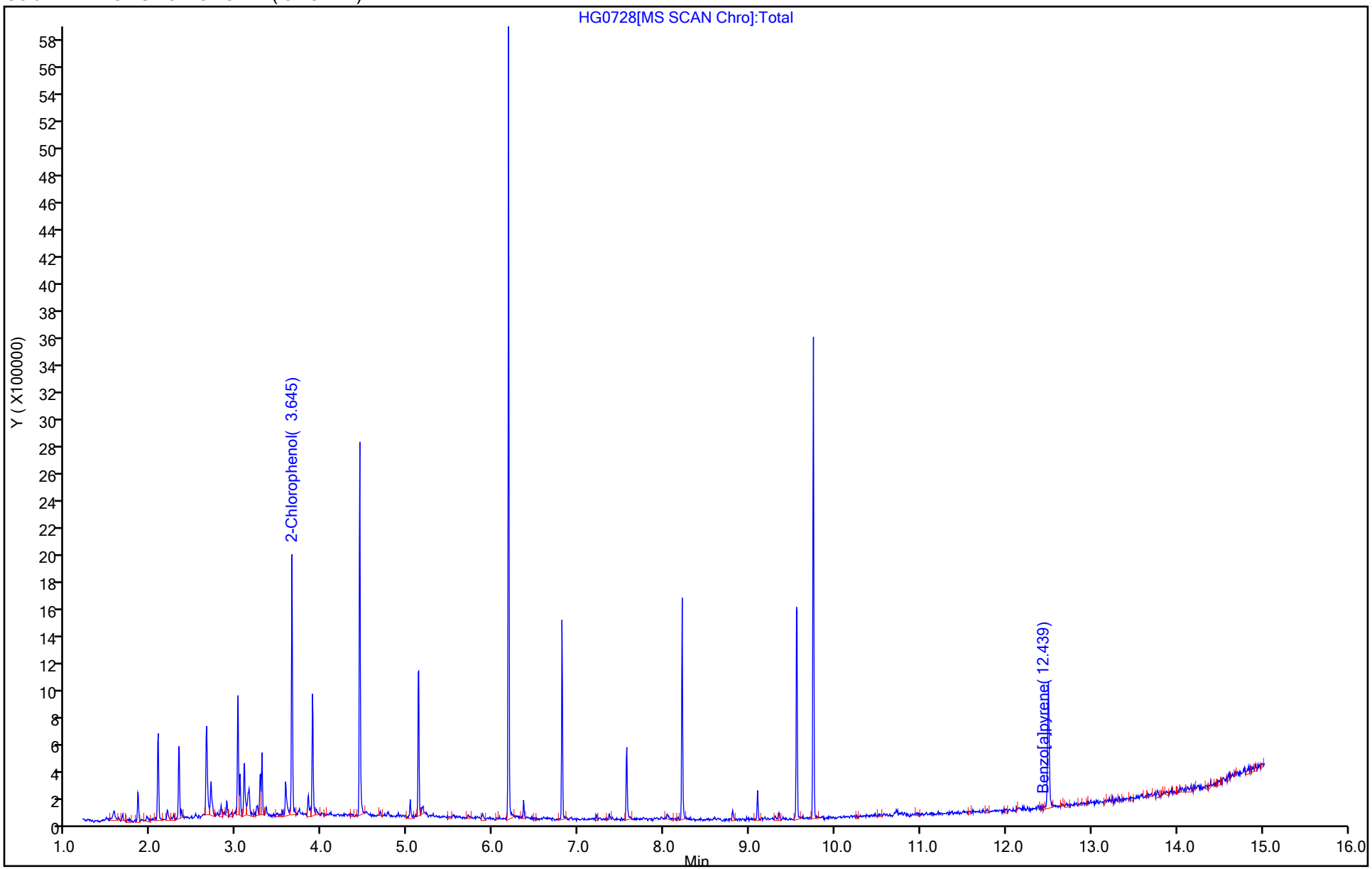
Report Date: 07-Aug-2025 19:45:06 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0728.D

Injection Date:	07-Aug-2025 17:37:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	410-234898-J-5-A	Lab Sample ID:	410-234898-5	Worklist Smp#:	29
Client ID:	16WDUP				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0728.D
Lims ID: 410-234898-J-5-A
Client ID: 16WDUP
Sample Type: Client
Inject. Date: 07-Aug-2025 17:37:30 ALS Bottle#: 28 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-234898-J-5-A
Misc. Info.: 410-0155808-029
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 19:44:43 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 19:44:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	3.82	15.30
$ 15 Phenol-d5	25.0	2.13	8.53
$ 39 Nitrobenzene-d5	25.0	16.0	63.93
$ 81 2-Fluorobiphenyl (Surr)	25.0	19.2	76.98
$ 116 2,4,6-Tribromophenol	25.0	4.66	18.66
$ 148 p-Terphenyl-d14	25.0	13.9	55.45

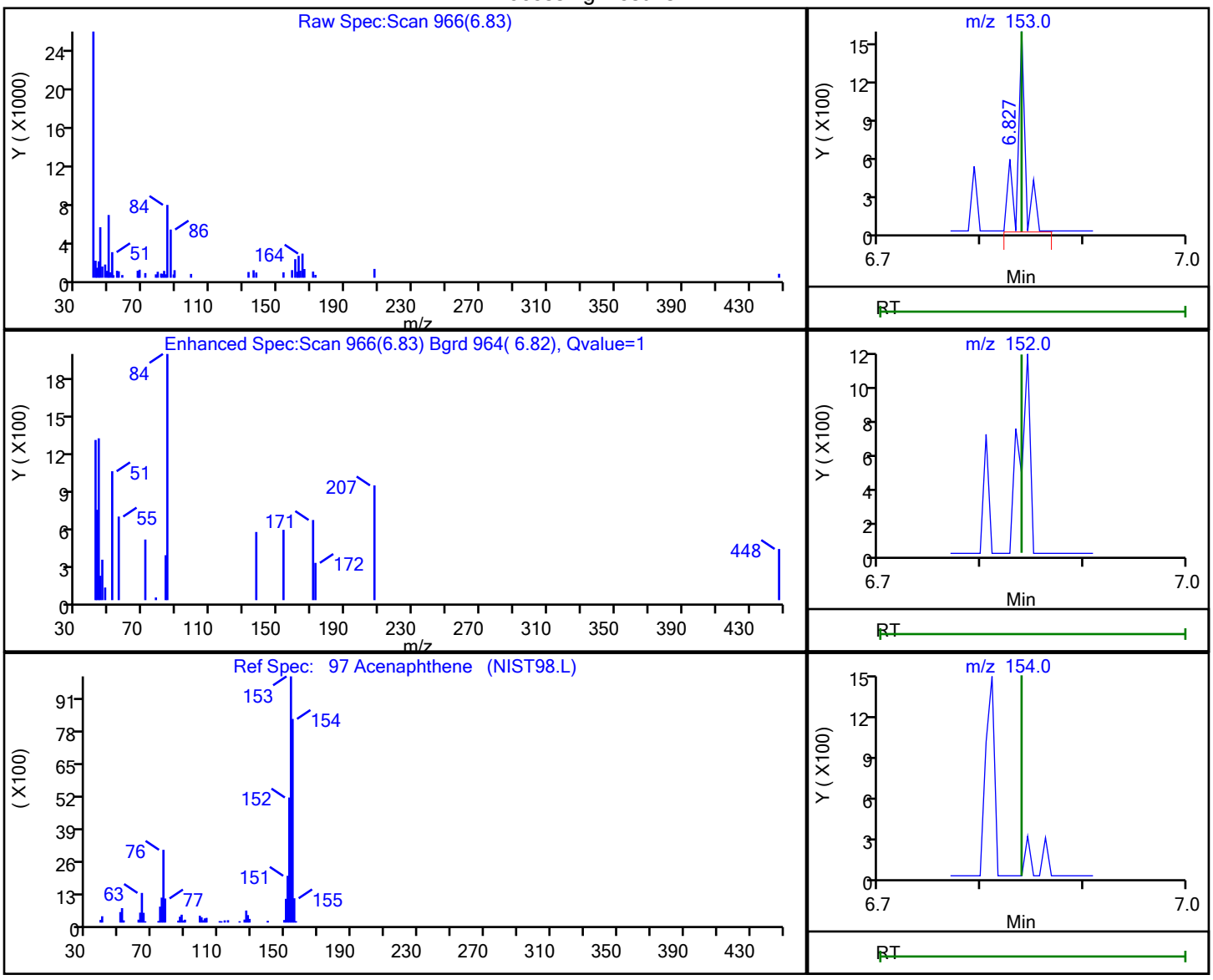
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0728.D				
Injection Date:	07-Aug-2025 17:37:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-5-A	Lab Sample ID:	410-234898-5		
Client ID:	16WDUP				
Operator ID:	CJS101602	ALS Bottle#:	28	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

97 Acenaphthene, CAS: 83-32-9

Processing Results



RT	Mass	Response	Amount
6.83	153.00	867	0.013910
6.84	152.00	0	
6.84	154.00	0	

Reviewer: RN6U, 07-Aug-2025 19:44:05 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

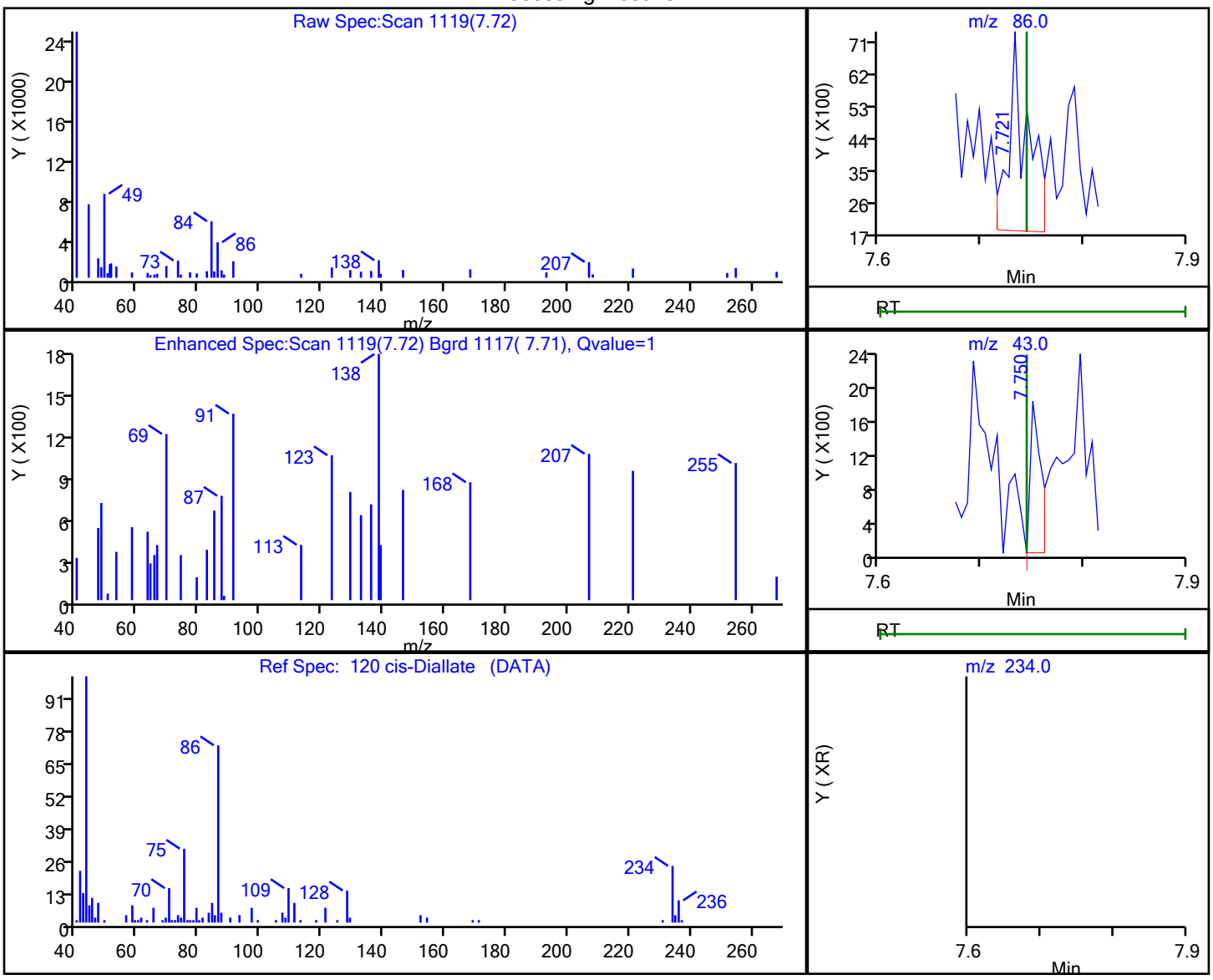
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0728.D				
Injection Date:	07-Aug-2025 17:37:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-5-A	Lab Sample ID:	410-234898-5		
Client ID:	16WDUP				
Operator ID:	CJS101602	ALS Bottle#:	28	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

120 cis-Diallate, CAS: 17708-57-5

Processing Results



RT	Mass	Response	Amount
7.72	86.00	6814	0.178433
7.75	43.00	1168	
7.74	234.00	0	
7.74	70.00	0	

Reviewer: RN6U, 07-Aug-2025 19:44:16 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

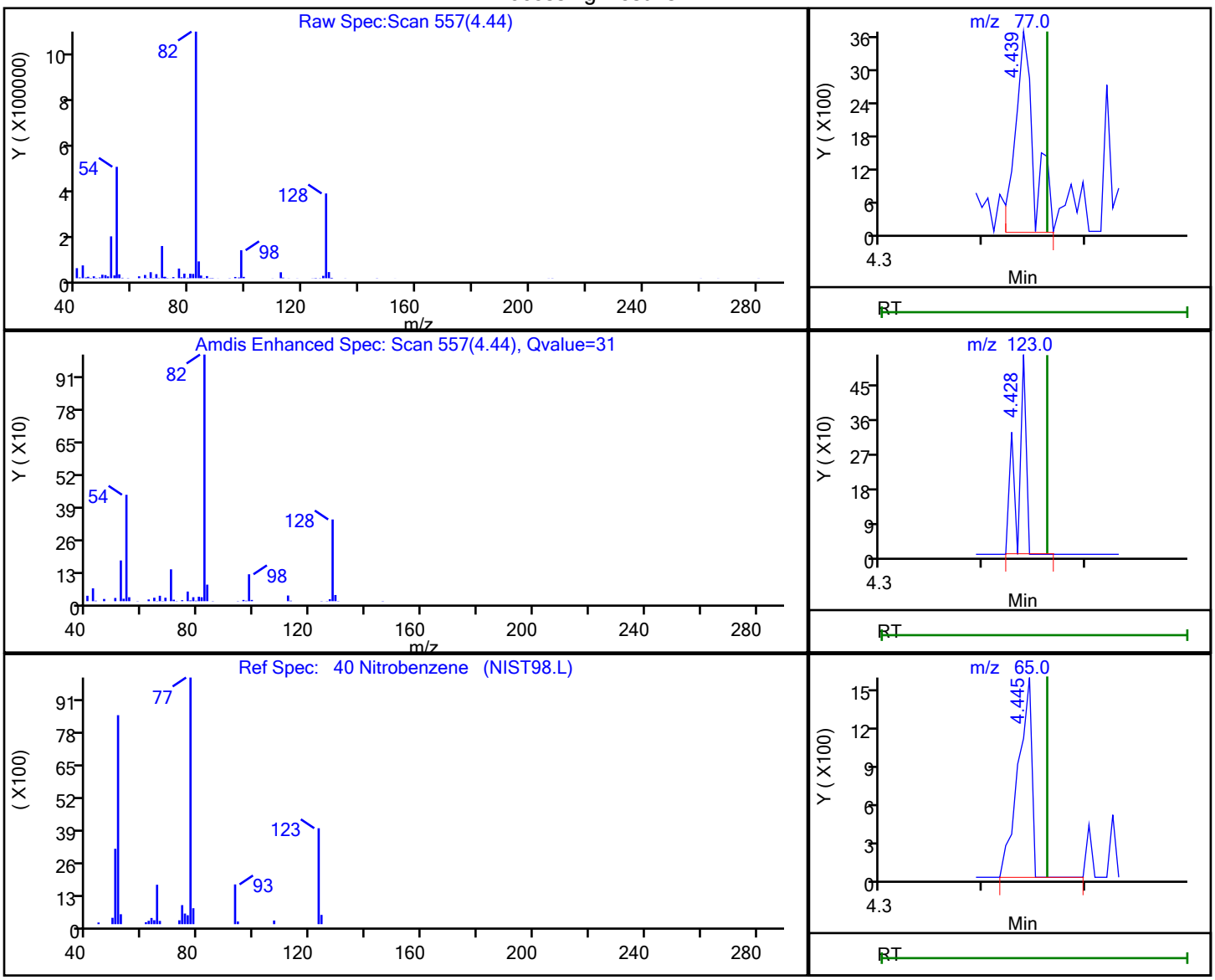
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0728.D				
Injection Date:	07-Aug-2025 17:37:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-5-A	Lab Sample ID:	410-234898-5		
Client ID:	16WDUP				
Operator ID:	CJS101602	ALS Bottle#:	28	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.44	77.00	4493	0.078313
4.43	123.00	294	
4.45	65.00	1455	

Reviewer: RN6U, 07-Aug-2025 19:43:53 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

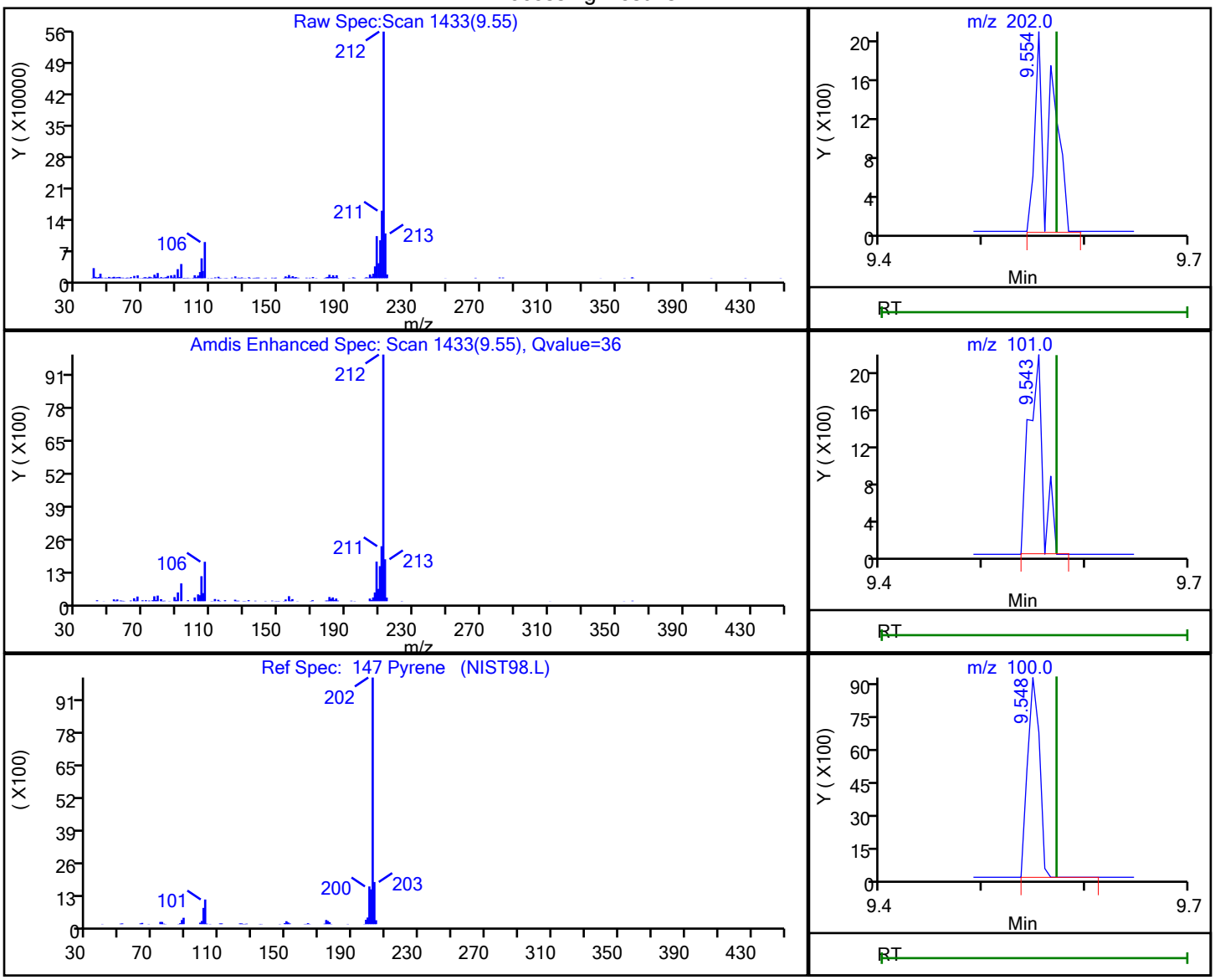
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0728.D				
Injection Date:	07-Aug-2025 17:37:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-5-A	Lab Sample ID:	410-234898-5		
Client ID:	16WDUP				
Operator ID:	CJS101602	ALS Bottle#:	28	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

147 Pyrene, CAS: 129-00-0

Processing Results



RT	Mass	Response	Amount
9.55	202.00	2141	0.016916
9.54	101.00	2102	
9.55	100.00	7522	
9.57	203.00	0	

Reviewer: RN6U, 07-Aug-2025 19:44:25 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WDUP RE
Lab Sample ID: 410-234898-5 RE

Matrix: Water
Lab File ID: DH1174.D

Analysis Method: 8270E
Date Collected: 07/30/2025 09:25

Extract. Method: 3510C
Date Extracted: 08/10/2025 16:20

Sample wt/vol: 248.8(mL)
Date Analyzed: 08/12/2025 04:59

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 683977
Units: ug/L

Preparation Batch No.: 683371
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	H	10.0	2.01
99-65-0	1,3-Dinitrobenzene	ND	H	10.0	2.31
108-60-1	bis (2-chloroisopropyl) ether	ND	H	10.0	0.603
58-90-2	2,3,4,6-Tetrachlorophenol	ND	H	10.0	1.81
95-95-4	2,4,5-Trichlorophenol	ND	H	10.0	2.01
88-06-2	2,4,6-Trichlorophenol	ND	H	10.0	1.81
120-83-2	2,4-Dichlorophenol	ND	H	10.0	1.60
121-14-2	2,4-Dinitrotoluene	ND	H	10.0	2.11
87-65-0	2,6-Dichlorophenol	ND	H	10.0	1.41
606-20-2	2,6-Dinitrotoluene	ND	H	10.0	2.11
91-58-7	2-Chloronaphthalene	ND	H	10.0	0.502
95-57-8	2-Chlorophenol	ND	H	10.0	1.00
91-57-6	2-Methylnaphthalene	ND	H	10.0	0.291
95-48-7	o-Cresol	ND	H	10.0	0.965
88-74-4	2-Nitroaniline	ND	H	10.0	1.00
88-75-5	2-Nitrophenol	ND	H	10.0	1.28
101-55-3	4-Bromophenyl-phenylether	ND	H	10.0	0.563
59-50-7	4-Chloro-3-methylphenol	ND	H	10.0	1.00
7005-72-3	4-Chlorophenyl-phenyl ether	ND	H	10.0	0.603
106-44-5	m & p-Cresol	ND	H	20.1	2.48
99-55-8	5-Nitro-o-toluidine	ND	H	10.0	2.01
83-32-9	Acenaphthene	ND	H	10.0	0.352
208-96-8	Acenaphthylene	ND	H	10.0	0.482
120-12-7	Anthracene	ND	H	10.0	0.523
56-55-3	Benzo[a]anthracene	ND	H	10.0	0.452
50-32-8	Benzo[a]pyrene	ND	H	10.0	1.51
205-99-2	Benzo[b]fluoranthene	ND	H	10.0	1.21
191-24-2	Benzo[g,h,i]perylene	ND	H	10.0	0.422
207-08-9	Benzo[k]fluoranthene	ND	H	10.0	1.61
218-01-9	Chrysene	ND	H	10.0	0.311

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WDUP RE
Lab Sample ID: 410-234898-5 RE

Matrix: Water
Lab File ID: DH1174.D

Analysis Method: 8270E
Date Collected: 07/30/2025 09:25

Extract. Method: 3510C
Date Extracted: 08/10/2025 16:20

Sample wt/vol: 248.8(mL)
Date Analyzed: 08/12/2025 04:59

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 683977
Units: ug/L

Preparation Batch No.: 683371
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2303-16-4	Diallate	ND	H	10.0	3.01
53-70-3	Dibenz(a,h)anthracene	ND	H	10.0	0.382
132-64-9	Dibenzofuran	ND	H	10.0	0.603
84-66-2	Diethyl phthalate	ND	H	10.0	2.01
60-51-5	Dimethoate	ND	H	10.0	3.01
62-50-0	Ethyl methanesulfonate	ND	H	10.0	1.11
206-44-0	Fluoranthene	ND	H	10.0	0.422
86-73-7	Fluorene	ND	H	10.0	0.382
118-74-1	Hexachlorobenzene	ND	H	10.0	0.874
1888-71-7	Hexachloropropene	ND	H	10.0	2.01
193-39-5	Indeno[1,2,3-cd]pyrene	ND	H	10.0	0.151
465-73-6	Isodrin	ND	H	10.0	1.11
143-50-0	Kepone	ND	H *-	50.2	25.1
55-18-5	N-Nitrosodiethylamine	ND	H	10.0	3.01
62-75-9	N-Nitrosodimethylamine	ND	H	10.0	2.01
86-30-6	n-Nitrosodiphenylamine(as diphenylamine)	ND	H	10.0	0.583
59-89-2	N-Nitrosomorpholine	ND	H	10.0	3.01
100-75-4	N-Nitrosopiperidine	ND	H	10.0	1.11
98-95-3	Nitrobenzene	ND	H	10.0	0.603
126-68-1	o,o',o''-Triethylphosphorothioate	ND	H	10.0	2.61
608-93-5	Pentachlorobenzene	ND	H	10.0	1.61
62-44-2	Phenacetin	ND	H	10.0	1.41
87-86-5	Pentachlorophenol	ND	H	10.0	3.01
85-01-8	Phenanthrene	ND	H	10.0	0.523
108-95-2	Phenol	ND	H	10.0	0.774
298-02-2	Phorate	ND	H	10.0	2.51
129-00-0	Pyrene	ND	H	10.0	0.412
94-59-7	Safrole, Total	ND	H	10.0	2.21
3689-24-5	Sulfotepp	ND	H	10.0	2.41

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WDUP RE
Lab Sample ID: 410-234898-5 RE

Matrix: Water
Lab File ID: DH1174.D

Analysis Method: 8270E
Date Collected: 07/30/2025 09:25

Extract. Method: 3510C
Date Extracted: 08/10/2025 16:20

Sample wt/vol: 248.8(mL)
Date Analyzed: 08/12/2025 04:59

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 683977
Units: ug/L

Preparation Batch No.: 683371
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
297-97-2	*O,O-Diethyl O-2-pyrazinyl phosphorothioate*	*ND*	*H*	*10.0*	*2.41*
117-81-7	*Bis(2-ethylhexyl) phthalate*	*ND*	*H*	*10.0*	*2.01*

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	65		13-134
321-60-8	2-Fluorobiphenyl (Surr)	77		45-120
367-12-4	2-Fluorophenol (Surr)	34		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	80		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	58		26-123
4165-62-2	Phenol-d5 (Surr)	39		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1174.D
Lims ID: 410-234898-I-5-A
Client ID: 16WDUP
Sample Type: Client
Inject. Date: 12-Aug-2025 04:59:06 ALS Bottle#: 24 Worklist Smp#: 43
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-234898-I-5-A
Misc. Info.: 410-0156268-043
Operator ID: EEA115318 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 12-Aug-2025 13:57:34 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1712

First Level Reviewer: W6ZA Date: 12-Aug-2025 13:52:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
3 N-Nitrosodimethylamine	74		1.536				ND	
$ 10 2-Fluorophenol	112	2.602	2.602	0.000	90	331684	8.44	
11 N-Nitrosodiethylamine	102		2.783				ND	
12 Ethyl methanesulfonate	109		3.080				ND	
$ 16 Phenol-d5	99	3.517	3.517	0.005	97	526725	9.76	
17 Phenol	94		3.529				ND	
20 2-Chlorophenol	128		3.640				ND	7
* 22 1,4-Dichlorobenzene-d4	152	3.838	3.838	0.000	96	150473	5.00	
29 2,2'-oxybis[1-chloropropane]	45		4.118				ND	7
28 2-Methylphenol	108		4.124				ND	
35 N-Nitrosomorpholine	56		4.263				ND	
32 4-Methylphenol	108		4.281				ND	7
$ 39 Nitrobenzene-d5	82	4.380	4.386	-0.006	88	1017585	19.9	
40 Nitrobenzene	77		4.403				ND	U
42 N-Nitrosopiperidine	114		4.549				ND	
44 2-Nitrophenol	139		4.712				ND	
46 o,o',o''-Triethylphosphorothioat	198		4.840				ND	
48 2,4-Dichlorophenol	162		4.963				ND	
* 50 Naphthalene-d8	136	5.074	5.074	0.000	99	607225	5.00	
54 2,6-Dichlorophenol	162		5.167				ND	
55 Hexachloropropene	213		5.179				ND	
64 4-Chloro-3-methylphenol	107		5.668				ND	7
65 Safrole, Total	162		5.691				ND	
66 2-Methylnaphthalene	142		5.761				ND	
69 1,2,4,5-Tetrachlorobenzene	216		5.925				ND	
71 2,4,6-Trichlorophenol	196		6.047				ND	
72 2,4,5-Trichlorophenol	196		6.099				ND	
$ 73 2-Fluorobiphenyl (Surr)	172	6.117	6.123	-0.006	100	1864275	19.3	
76 2-Chloronaphthalene	162		6.222				ND	
79 2-Nitroaniline	138		6.338				ND	
86 1,3-Dinitrobenzene	168		6.542				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
87 2,6-Dinitrotoluene	165		6.572				ND	
88 Acenaphthylene	152		6.612				ND	7
* 90 Acenaphthene-d10	164	6.741	6.741	0.000	94	343928	5.00	
91 Acenaphthene	153		6.776				ND	7
94 Pentachlorobenzene	250		6.904				ND	
96 Dibenzofuran	168		6.945				ND	
95 2,4-Dinitrotoluene	165		6.950				ND	
98 2,3,4,6-Tetrachlorophenol	232		7.073				ND	
100 Diethyl phthalate	149		7.195				ND	7
102 Fluorene	166		7.265				ND	
101 Thionazin	107		7.265				ND	7
103 4-Chlorophenyl phenyl ether	204		7.283				ND	
104 N-Nitro-o-toluidine	152		7.294				ND	
107 N-Nitrosodiphenylamine	169		7.393				ND	7
$ 109 2,4,6-Tribromophenol	330	7.493	7.498	-0.005	94	224285	16.2	
110 Sulfotepp	97		7.562				ND	7
113 cis-Diallate	86		7.673				ND	U
114 Phorate	75		7.679				ND	
115 Phenacetin	108		7.708				ND	7
116 4-Bromophenyl phenyl ether	248		7.737				ND	
117 trans-Diallate	86		7.755				ND	7
118 Hexachlorobenzene	284		7.778				ND	
119 Dimethoate	87		7.836				ND	7
121 Pentachlorophenol	266		7.982				ND	U
* 126 Phenanthrene-d10	188	8.140	8.140	0.000	98	602343	5.00	
128 Phenanthrene	178		8.169				ND	U
129 Anthracene	178		8.215				ND	
141 Isodrin	193		9.142				ND	U
143 Fluoranthene	202	9.288	9.288	0.000	95	6733	0.0486	
* 149 Pyrene-d10 (IS)	212	9.480	9.480	0.000	99	619212	5.00	
150 Pyrene	202	9.498	9.492	0.000	96	10596	0.0670	
S 136 Diallate	86		9.653				ND	7
$ 152 p-Terphenyl-d14	244	9.672	9.672	-0.006	98	1372932	14.4	
153 Kepone	272		10.139				ND	
161 Benzo[a]anthracene	228		10.675				ND	U
162 Chrysene	228		10.716				ND	U
163 Bis(2-ethylhexyl) phthalate	149		10.786				ND	7
167 Benzo[b]fluoranthene	252	11.905	11.905	0.000	91	10120	0.0822	M
168 Benzo[k]fluoranthene	252		11.940				ND	MU
169 Benzo[a]pyrene	252		12.307				ND	U
* 170 Perylene-d12	264	12.371	12.377	-0.006	98	506705	5.00	
174 Indeno[1,2,3-cd]pyrene	276		13.787				ND	U
175 Dibenz(a,h)anthracene	278		13.834				ND	U
176 Benzo[g,h,i]perylene	276		14.131				ND	U

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

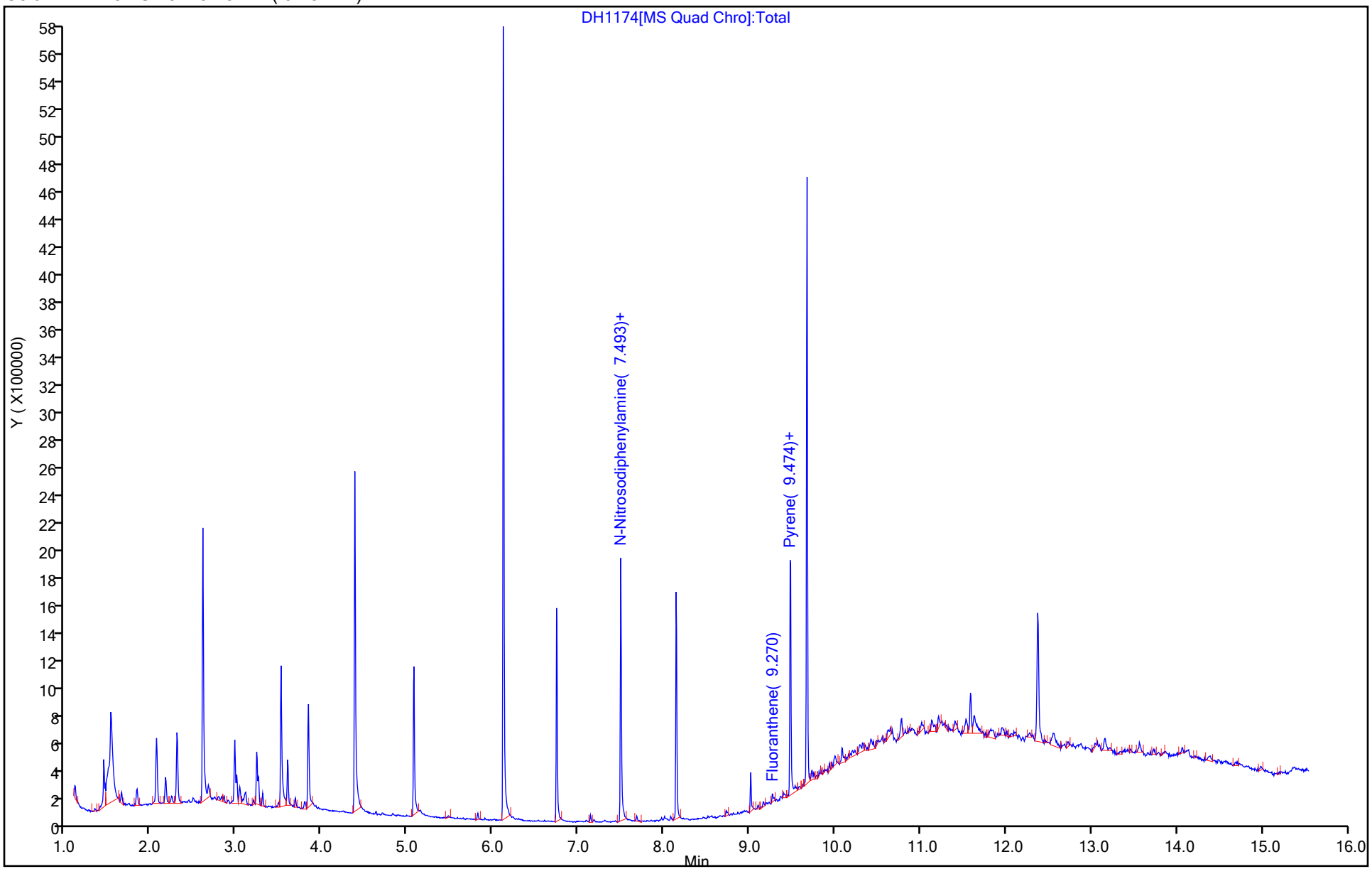
Report Date: 12-Aug-2025 13:58:37 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1174.D

Injection Date:	12-Aug-2025 04:59:06	Instrument ID:	HP19760	Operator ID:	EEA115318
Lims ID:	410-234898-I-5-A	Lab Sample ID:	410-234898-5	Worklist Smp#:	43
Client ID:	16WDUP				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1174.D				
Lims ID:	410-234898-I-5-A				
Client ID:	16WDUP				
Sample Type:	Client				
Inject. Date:	12-Aug-2025 04:59:06	ALS Bottle#:	24	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-234898-I-5-A				
Misc. Info.:	410-0156268-043				
Operator ID:	EEA115318	Instrument ID:	HP19760		
Method:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\MSSemi_HP19760.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	12-Aug-2025 13:57:34	Calib Date:	23-Jul-2025 10:39:28		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1712				

First Level Reviewer: W6ZA Date: 12-Aug-2025 13:52:02

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	25.0	8.44	33.75
$ 16 Phenol-d5	25.0	9.76	39.02
$ 39 Nitrobenzene-d5	25.0	19.9	79.50
$ 73 2-Fluorobiphenyl (Surr)	25.0	19.3	77.26
$ 109 2,4,6-Tribromophenol	25.0	16.2	64.64
$ 152 p-Terphenyl-d14	25.0	14.4	57.68

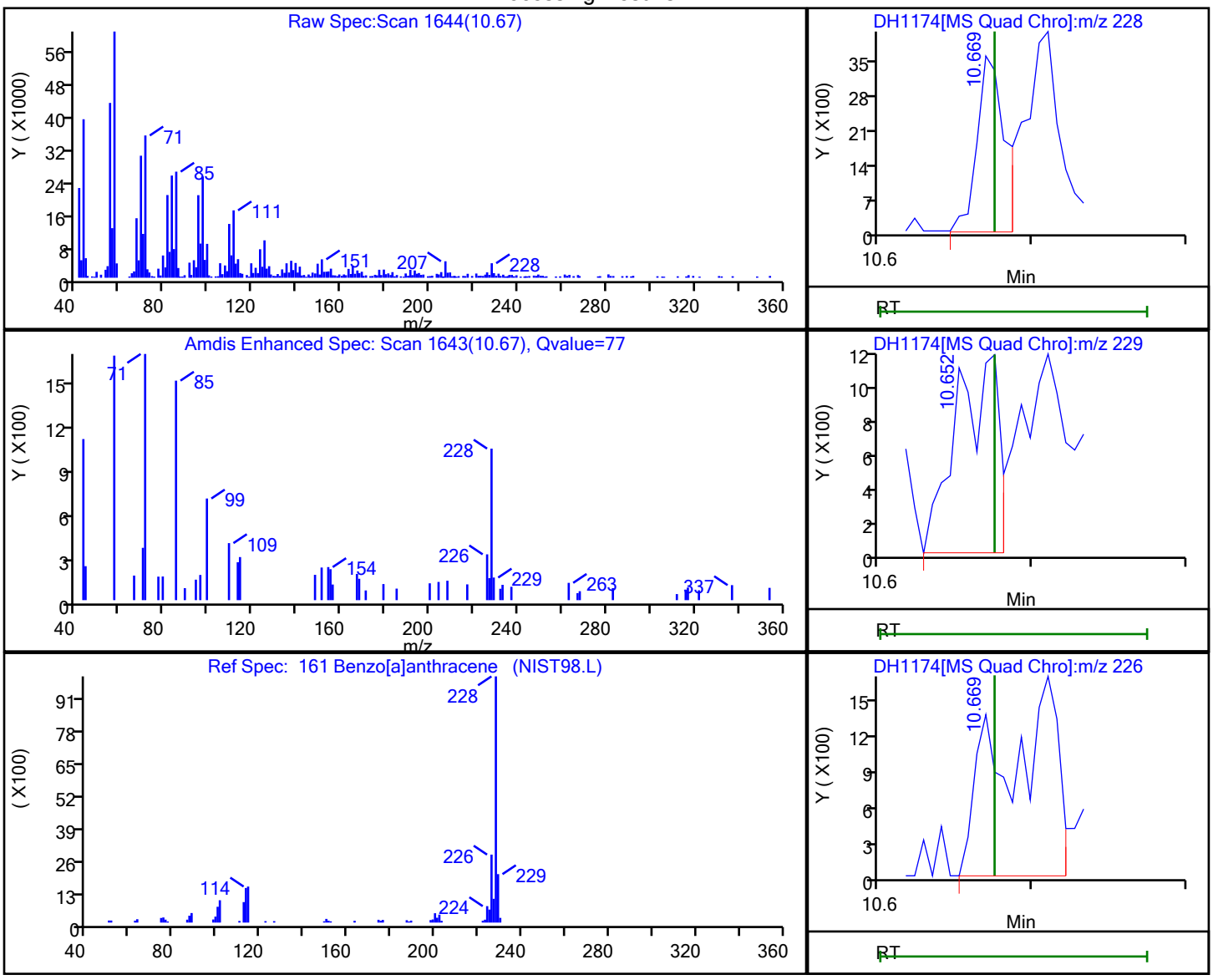
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1174.D				
Injection Date:	12-Aug-2025 04:59:06	Instrument ID:	HP19760		
Lims ID:	410-234898-I-5-A	Lab Sample ID:	410-234898-5		
Client ID:	16WDUP				
Operator ID:	EEA115318	ALS Bottle#:	24	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

161 Benzo[a]anthracene, CAS: 56-55-3

Processing Results



RT	Mass	Response	Amount
10.67	228.00	4175	0.033611
10.65	229.00	2228	
10.67	226.00	3877	

Reviewer: W6ZA, 12-Aug-2025 13:51:30 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

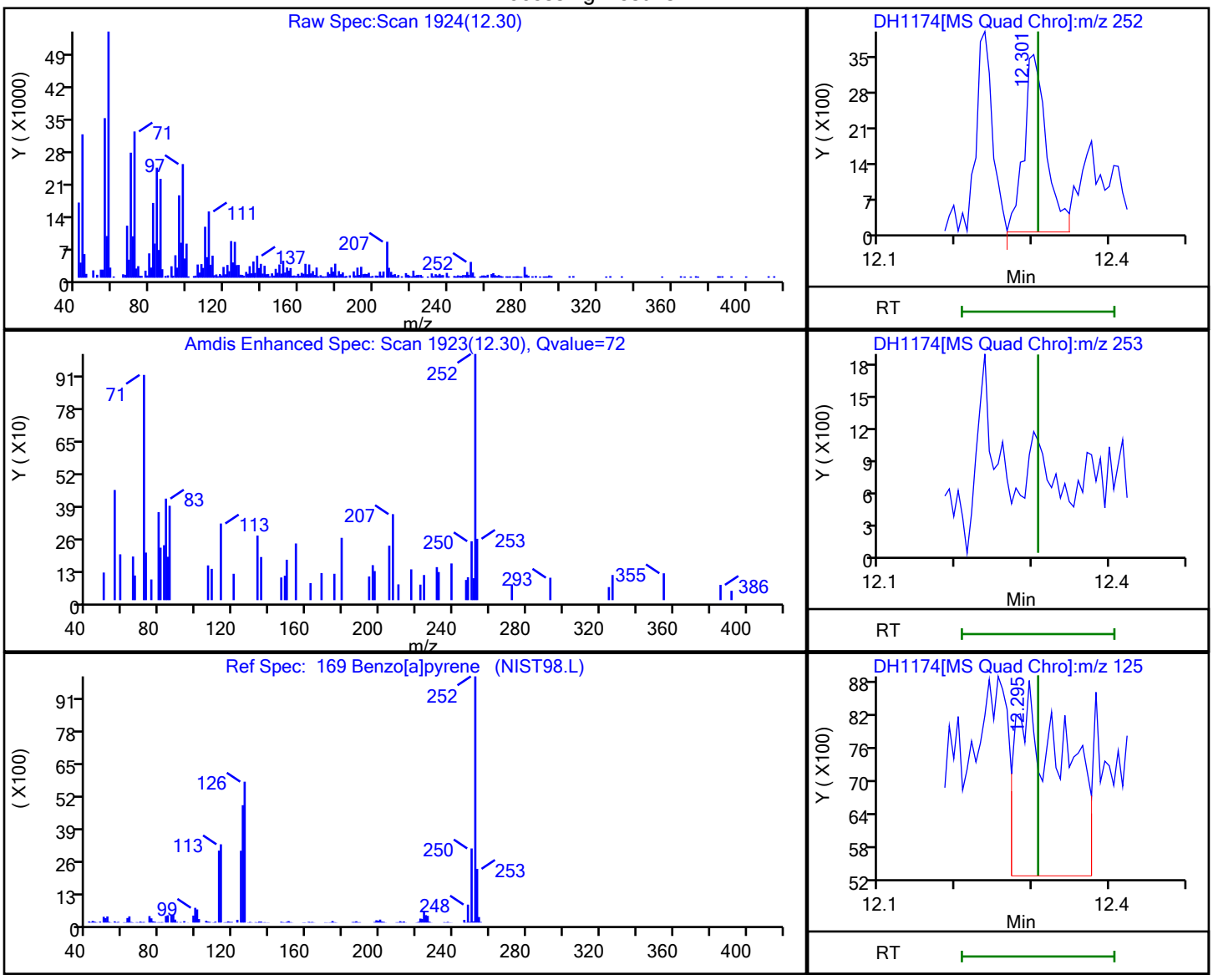
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1174.D				
Injection Date:	12-Aug-2025 04:59:06	Instrument ID:	HP19760		
Lims ID:	410-234898-I-5-A	Lab Sample ID:	410-234898-5		
Client ID:	16WDUP				
Operator ID:	EEA115318	ALS Bottle#:	24	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

169 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.30	252.00	6973	0.062657
12.31	253.00	0	
12.30	125.00	14445	

Reviewer: W6ZA, 12-Aug-2025 13:51:41 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

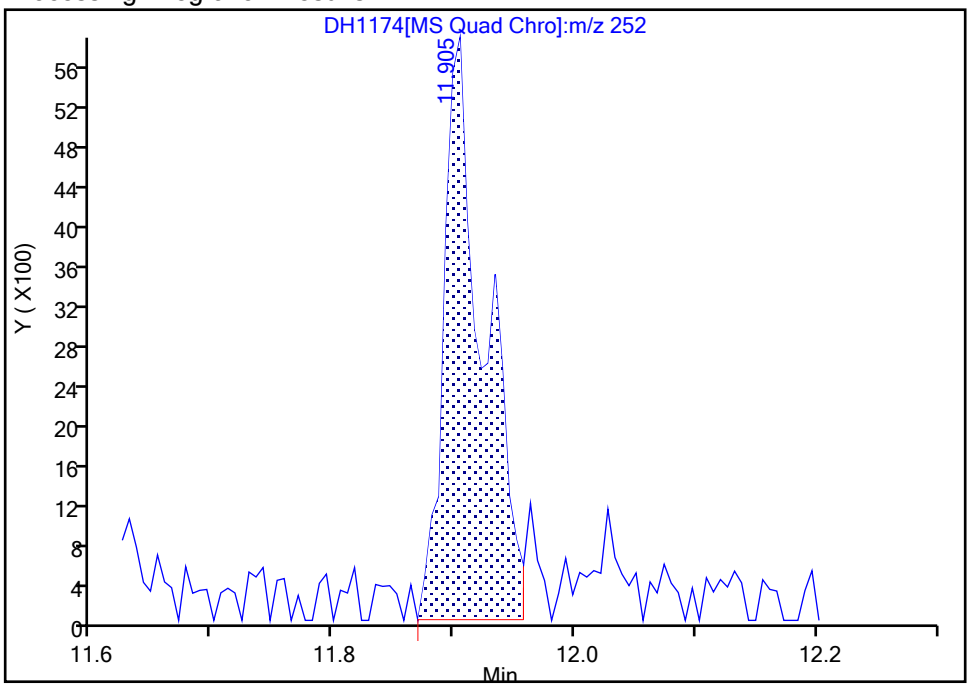
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1174.D				
Injection Date:	12-Aug-2025 04:59:06	Instrument ID:	HP19760		
Lims ID:	410-234898-I-5-A	Lab Sample ID:	410-234898-5		
Client ID:	16WDUP				
Operator ID:	EEA115318	ALS Bottle#:	24	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

167 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

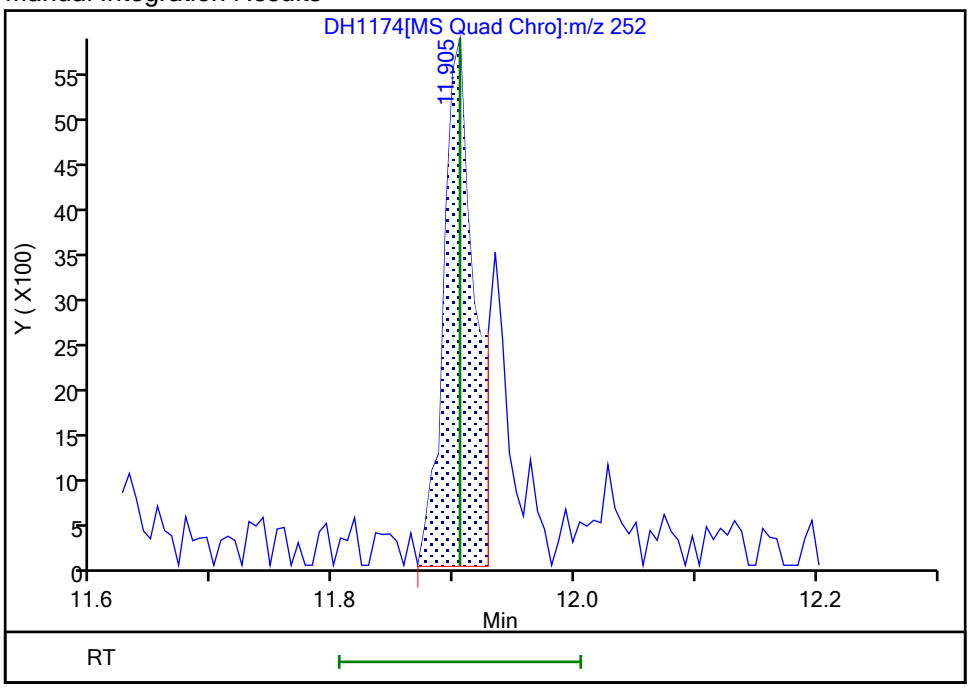
Processing Integration Results

RT: 11.90
Area: 13514
Amount: 0.109764
Amount Units: ug/ml



Manual Integration Results

RT: 11.90
Area: 10120
Amount: 0.082197
Amount Units: ug/ml



Reviewer: W6ZA, 12-Aug-2025 13:51:36 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

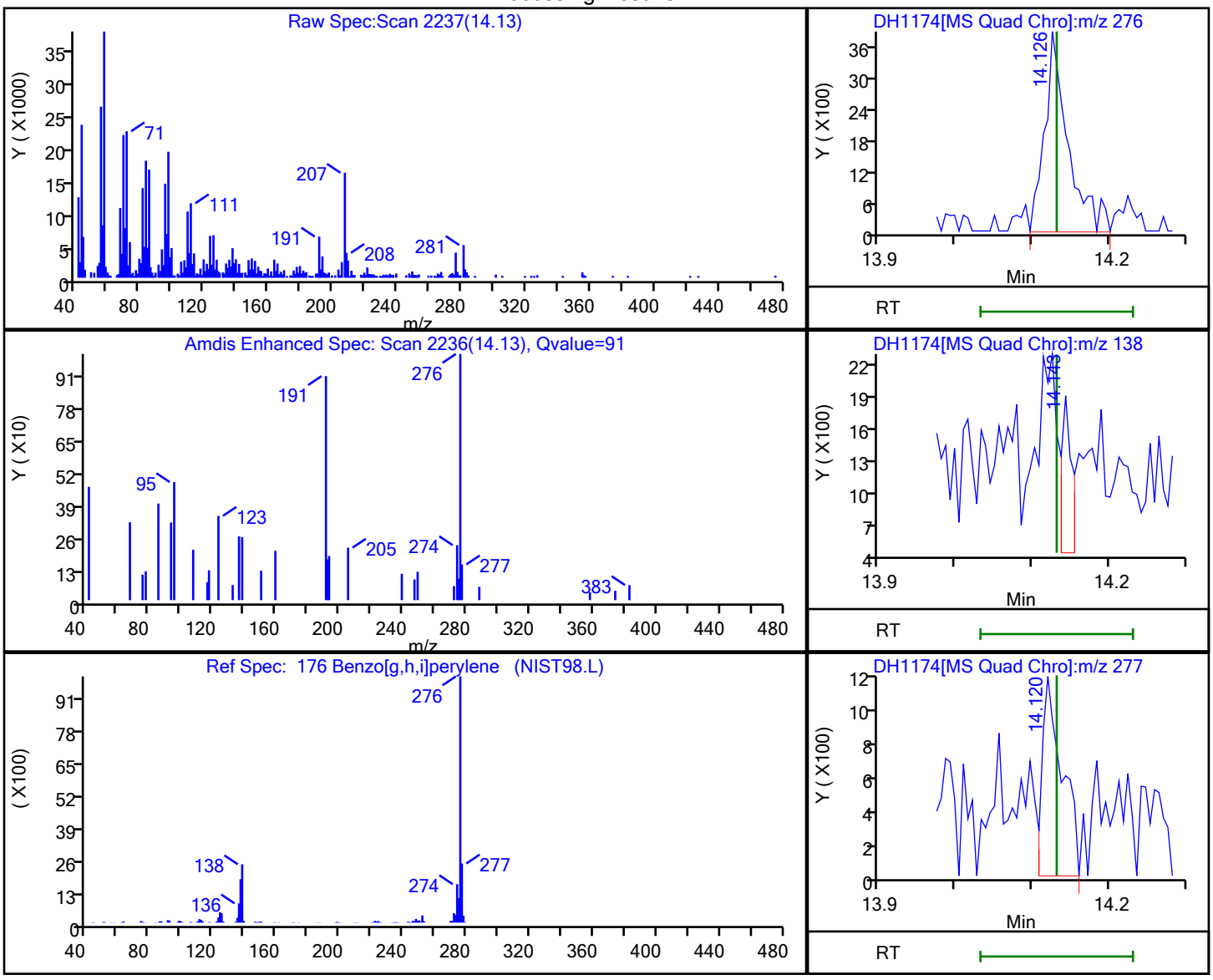
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1174.D				
Injection Date:	12-Aug-2025 04:59:06	Instrument ID:	HP19760		
Lims ID:	410-234898-I-5-A	Lab Sample ID:	410-234898-5		
Client ID:	16WDUP				
Operator ID:	EEA115318	ALS Bottle#:	24	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

176 Benzo[g,h,i]perylene, CAS: 191-24-2

Processing Results



RT	Mass	Response	Amount
14.13	276.00	8132	0.076322
14.14	138.00	1042	
14.12	277.00	2021	

Reviewer: W6ZA, 12-Aug-2025 13:51:44 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

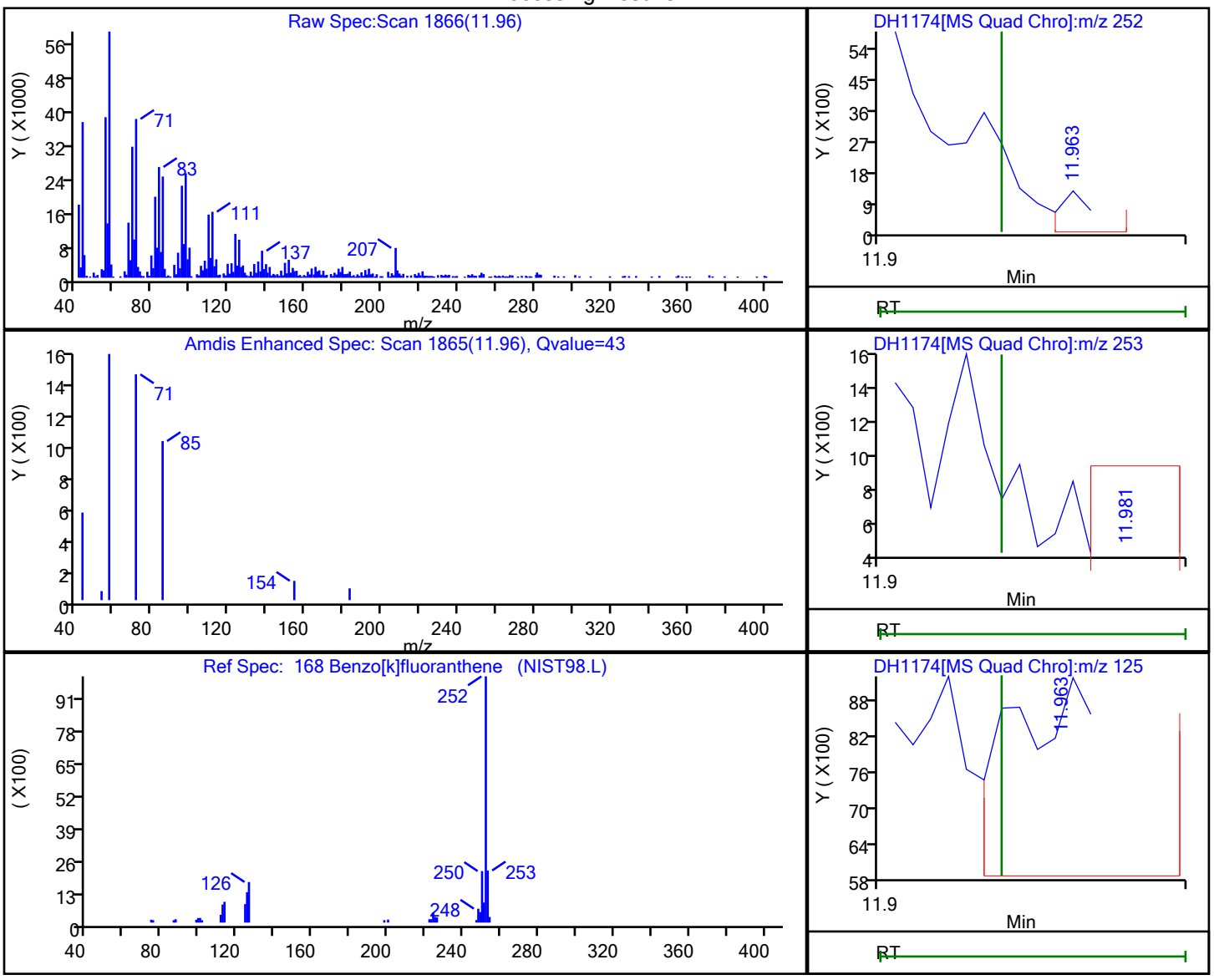
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1174.D				
Injection Date:	12-Aug-2025 04:59:06	Instrument ID:	HP19760		
Lims ID:	410-234898-I-5-A	Lab Sample ID:	410-234898-5		
Client ID:	16WDUP				
Operator ID:	EEA115318	ALS Bottle#:	24	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

168 Benzo[k]fluoranthene, CAS: 207-08-9

Processing Results



RT	Mass	Response	Amount
11.96	252.00	860	0.006720
11.98	253.00	1143	
11.96	125.00	10095	

Reviewer: W6ZA, 12-Aug-2025 13:51:56 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

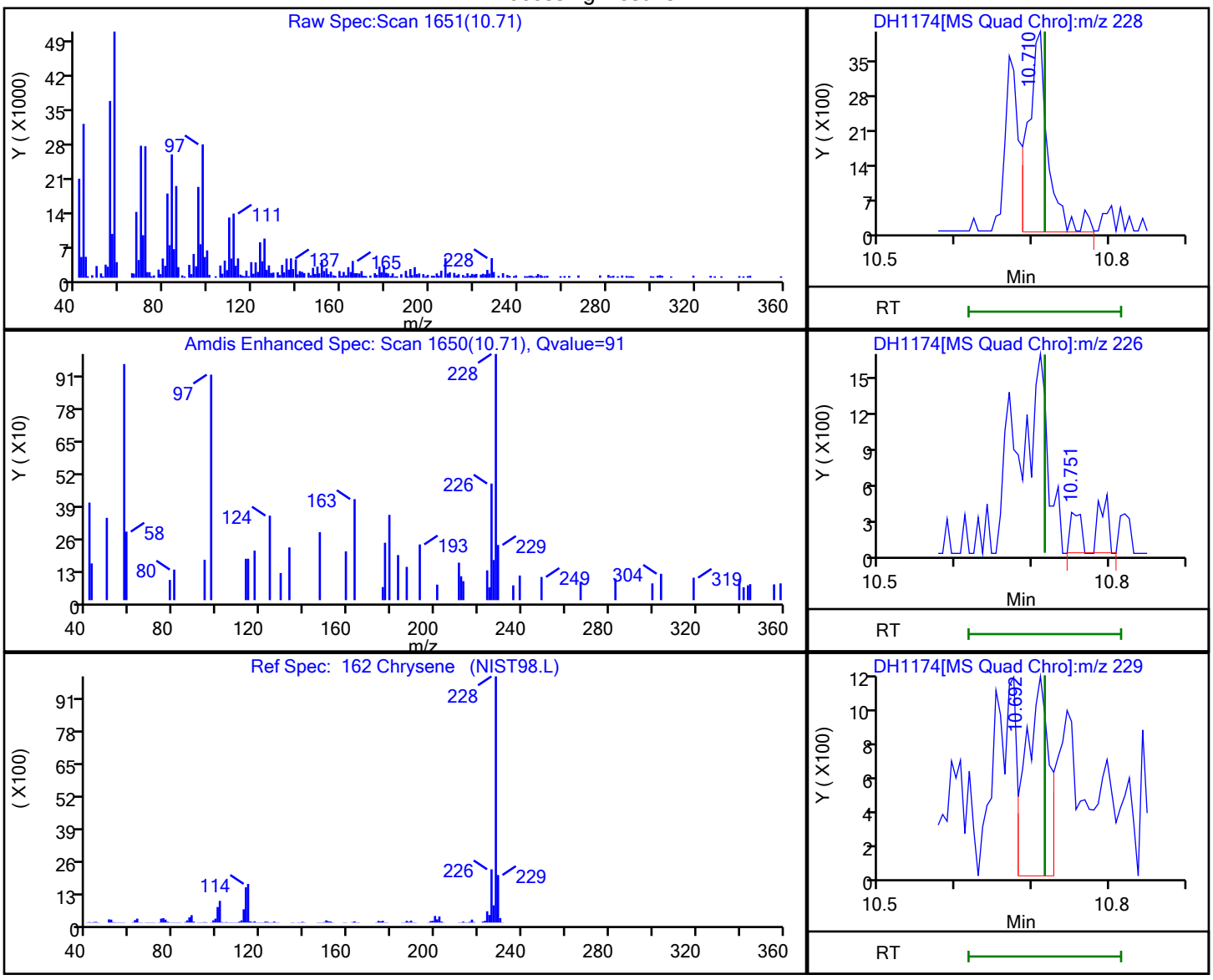
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1174.D				
Injection Date:	12-Aug-2025 04:59:06	Instrument ID:	HP19760		
Lims ID:	410-234898-I-5-A	Lab Sample ID:	410-234898-5		
Client ID:	16WDUP				
Operator ID:	EEA115318	ALS Bottle#:	24	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

162 Chrysene, CAS: 218-01-9

Processing Results



RT	Mass	Response	Amount
10.71	228.00	6808	0.054765
10.75	226.00	756	
10.69	229.00	2290	

Reviewer: W6ZA, 12-Aug-2025 13:51:31 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

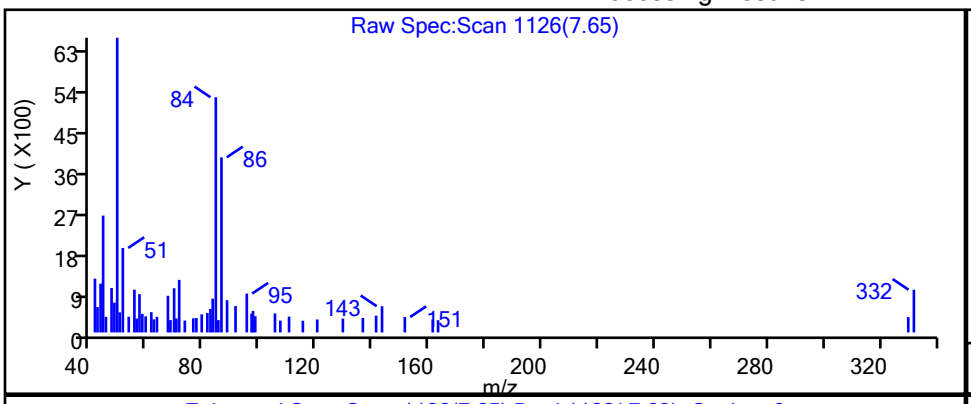
User Disabled Compound Report

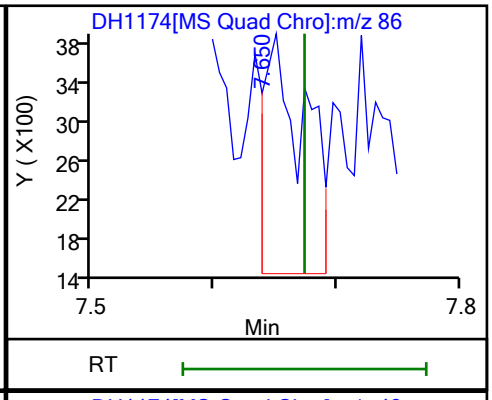
Eurofins Lancaster Laboratories Environment Testing, LLC

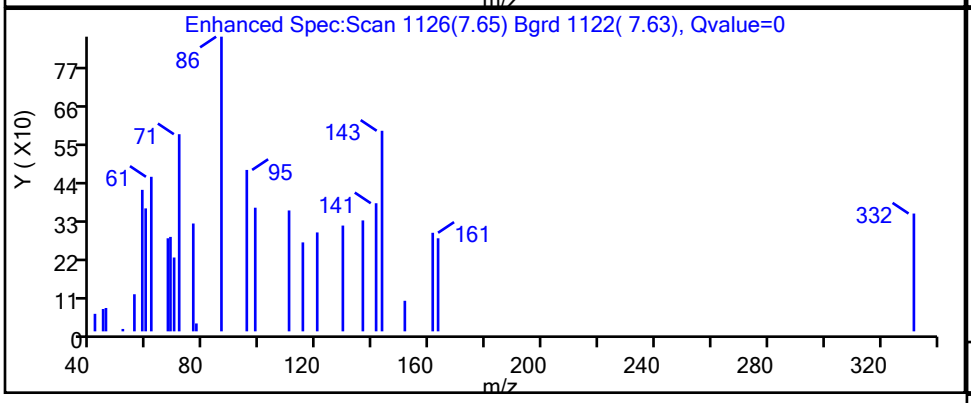
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1174.D				
Injection Date:	12-Aug-2025 04:59:06	Instrument ID:	HP19760		
Lims ID:	410-234898-I-5-A	Lab Sample ID:	410-234898-5		
Client ID:	16WDUP				
Operator ID:	EEA115318	ALS Bottle#:	24	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

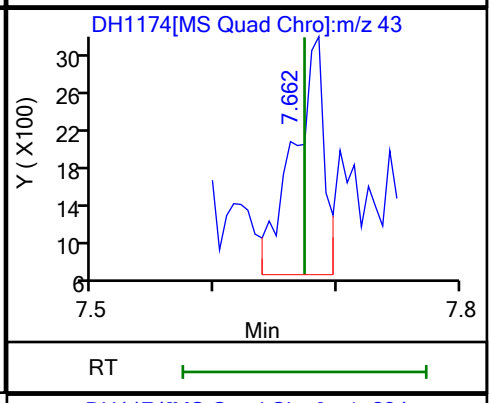
113 cis-Diallate, CAS: 17708-57-5

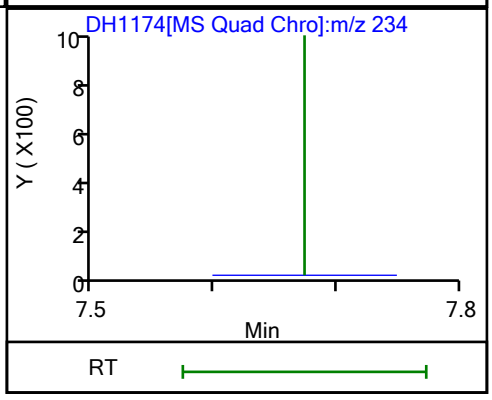
Processing Results











RT	Mass	Response	Amount
7.65	86.00	5354	0.126262
7.66	43.00	4202	
7.67	234.00	0	
7.68	70.00	1989	

Reviewer: W6ZA, 12-Aug-2025 13:51:15 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

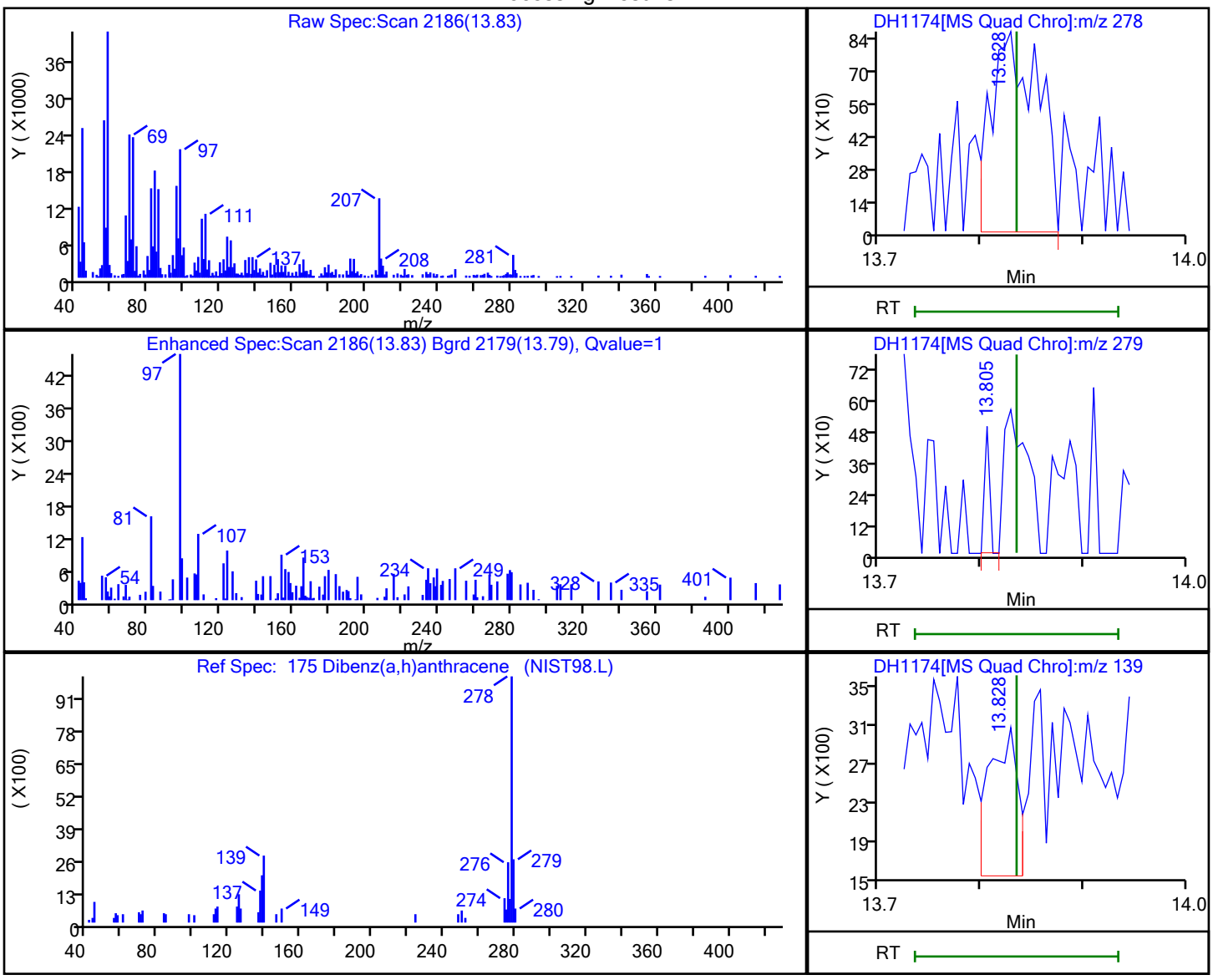
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1174.D				
Injection Date:	12-Aug-2025 04:59:06	Instrument ID:	HP19760		
Lims ID:	410-234898-I-5-A	Lab Sample ID:	410-234898-5		
Client ID:	16WDUP				
Operator ID:	EEA115318	ALS Bottle#:	24	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

175 Dibenz(a,h)anthracene, CAS: 53-70-3

Processing Results



RT	Mass	Response	Amount
13.83	278.00	2760	0.026249
13.80	279.00	172	
13.83	139.00	2695	

Reviewer: W6ZA, 12-Aug-2025 13:51:43 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

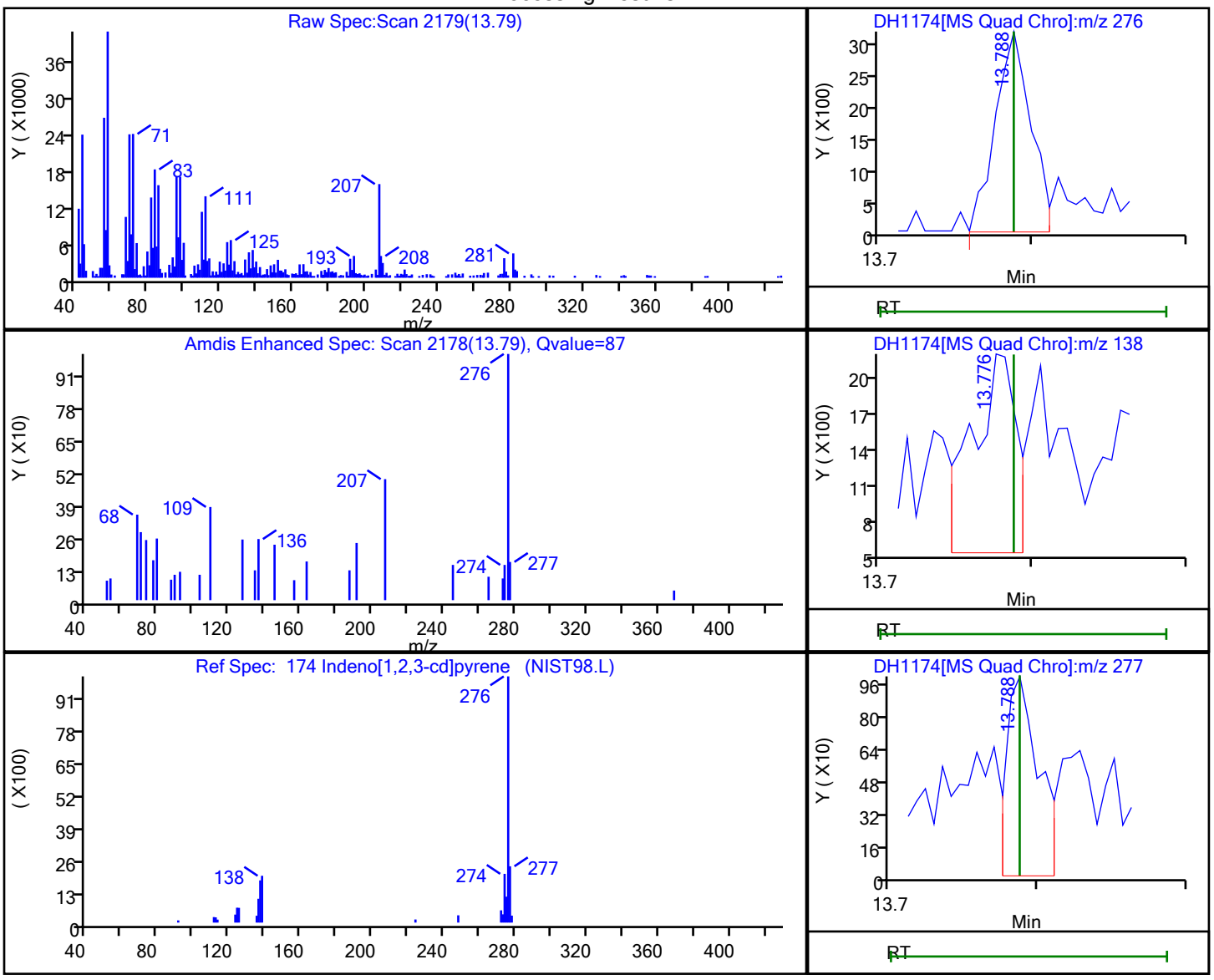
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1174.D				
Injection Date:	12-Aug-2025 04:59:06	Instrument ID:	HP19760		
Lims ID:	410-234898-I-5-A	Lab Sample ID:	410-234898-5		
Client ID:	16WDUP				
Operator ID:	EEA115318	ALS Bottle#:	24	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

174 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Processing Results



RT	Mass	Response	Amount
13.79	276.00	5085	0.050711
13.78	138.00	3027	
13.79	277.00	1418	

Reviewer: W6ZA, 12-Aug-2025 13:51:42 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

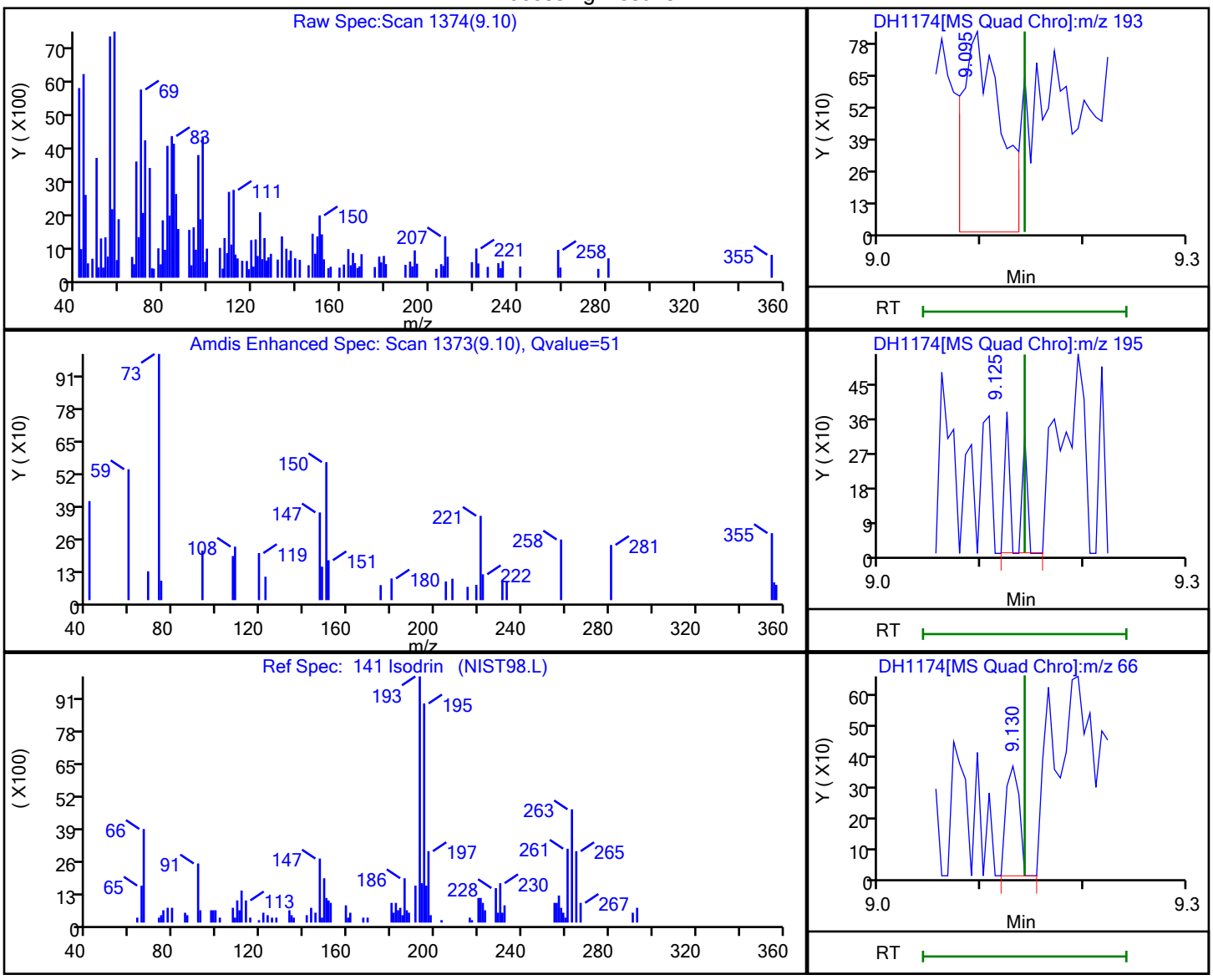
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1174.D				
Injection Date:	12-Aug-2025 04:59:06	Instrument ID:	HP19760		
Lims ID:	410-234898-I-5-A	Lab Sample ID:	410-234898-5		
Client ID:	16WDUP				
Operator ID:	EEA115318	ALS Bottle#:	24	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

141 Isodrin, CAS: 465-73-6

Processing Results



RT	Mass	Response	Amount
9.10	193.00	1970	0.125731
9.12	195.00	237	
9.13	66.00	323	
9.14	263.00	0	

Reviewer: W6ZA, 12-Aug-2025 13:51:20 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

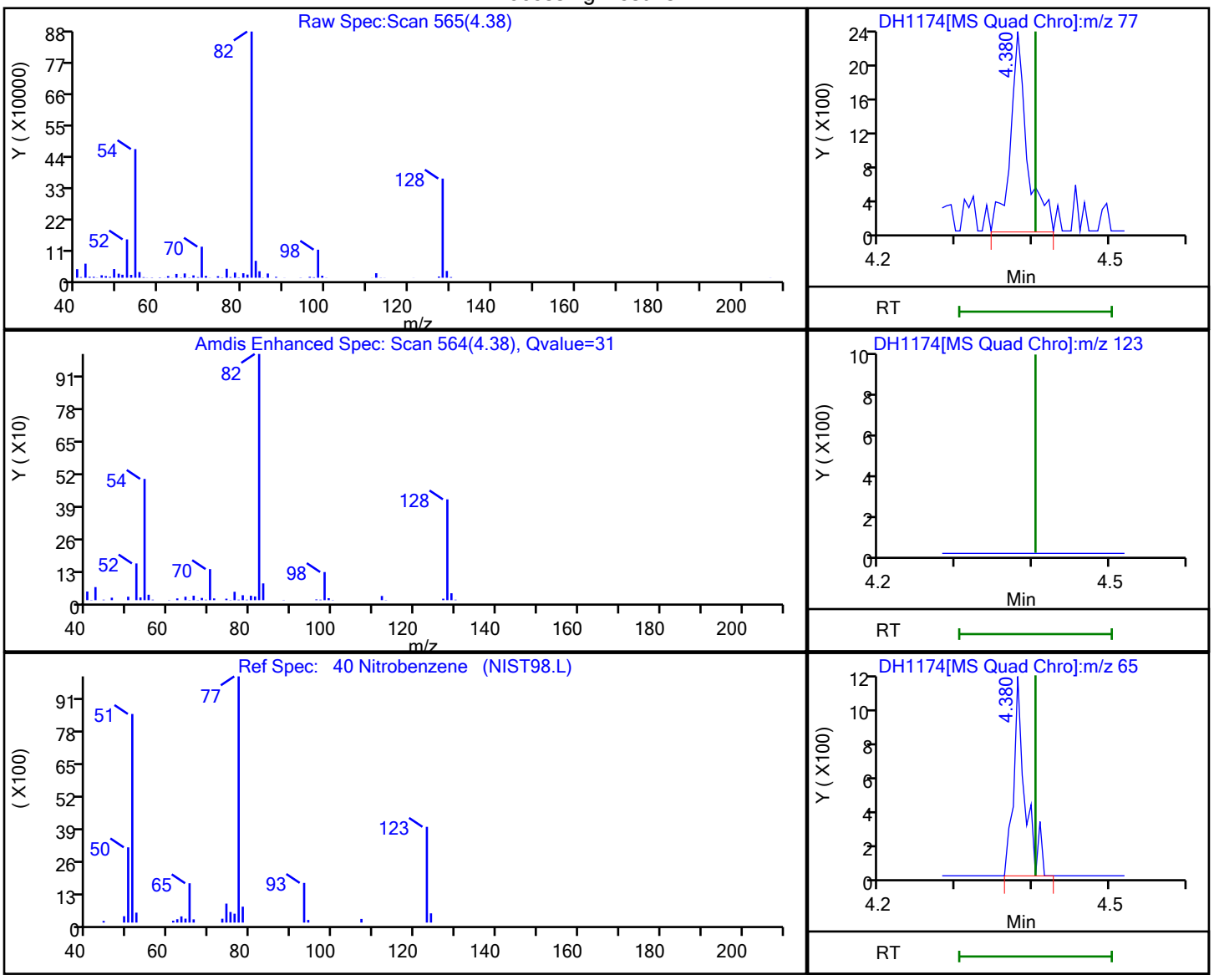
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1174.D				
Injection Date:	12-Aug-2025 04:59:06	Instrument ID:	HP19760		
Lims ID:	410-234898-I-5-A	Lab Sample ID:	410-234898-5		
Client ID:	16WDUP				
Operator ID:	EEA115318	ALS Bottle#:	24	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.38	77.00	3599	0.071685
4.40	123.00	0	
4.38	65.00	1174	

Reviewer: W6ZA, 12-Aug-2025 13:51:07 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

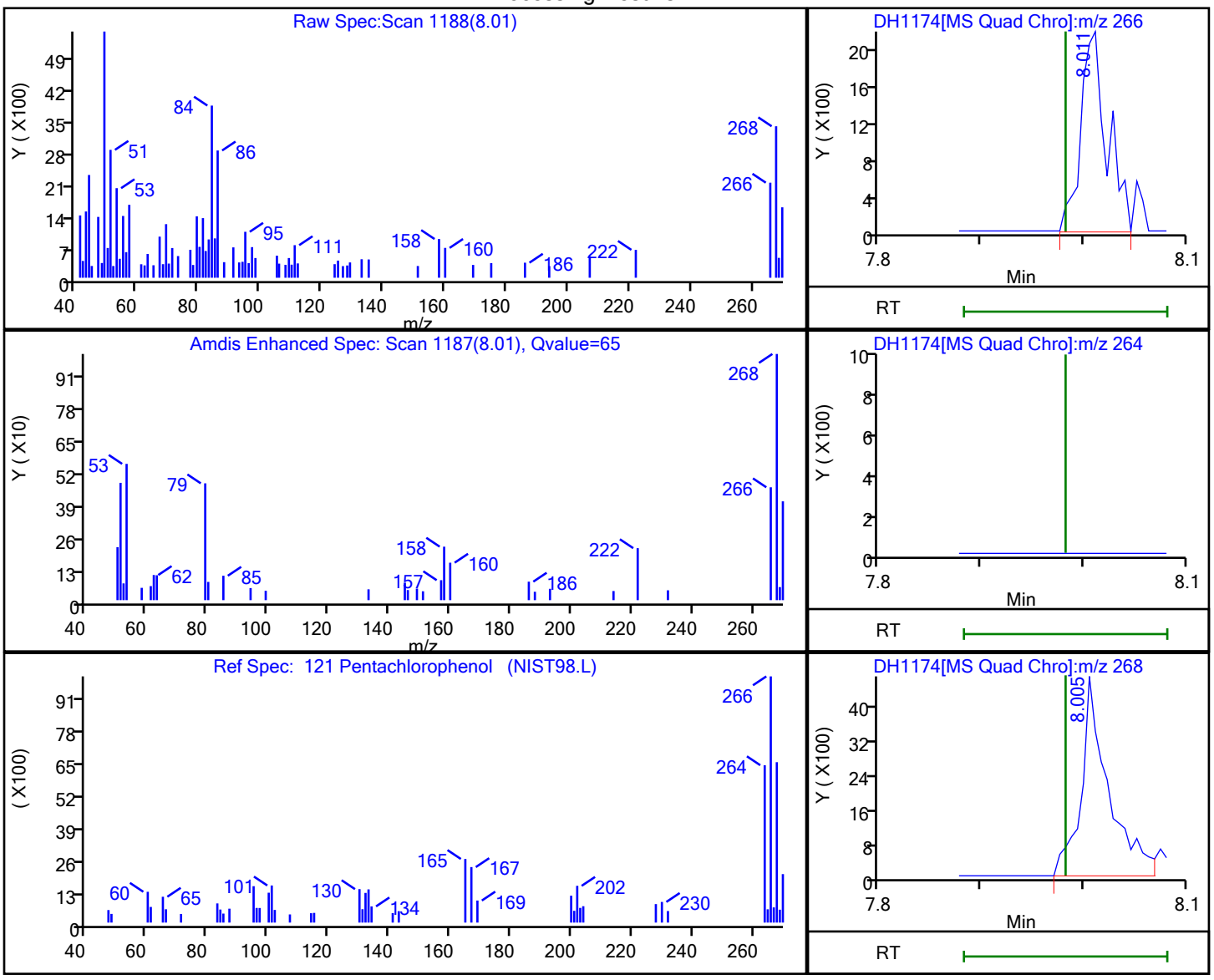
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1174.D				
Injection Date:	12-Aug-2025 04:59:06	Instrument ID:	HP19760		
Lims ID:	410-234898-I-5-A	Lab Sample ID:	410-234898-5		
Client ID:	16WDUP				
Operator ID:	EEA115318	ALS Bottle#:	24	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

121 Pentachlorophenol, CAS: 87-86-5

Processing Results



RT	Mass	Response	Amount
8.01	266.00	3783	0.218936
7.98	264.00	0	
8.01	268.00	8603	

Reviewer: W6ZA, 12-Aug-2025 13:51:17 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

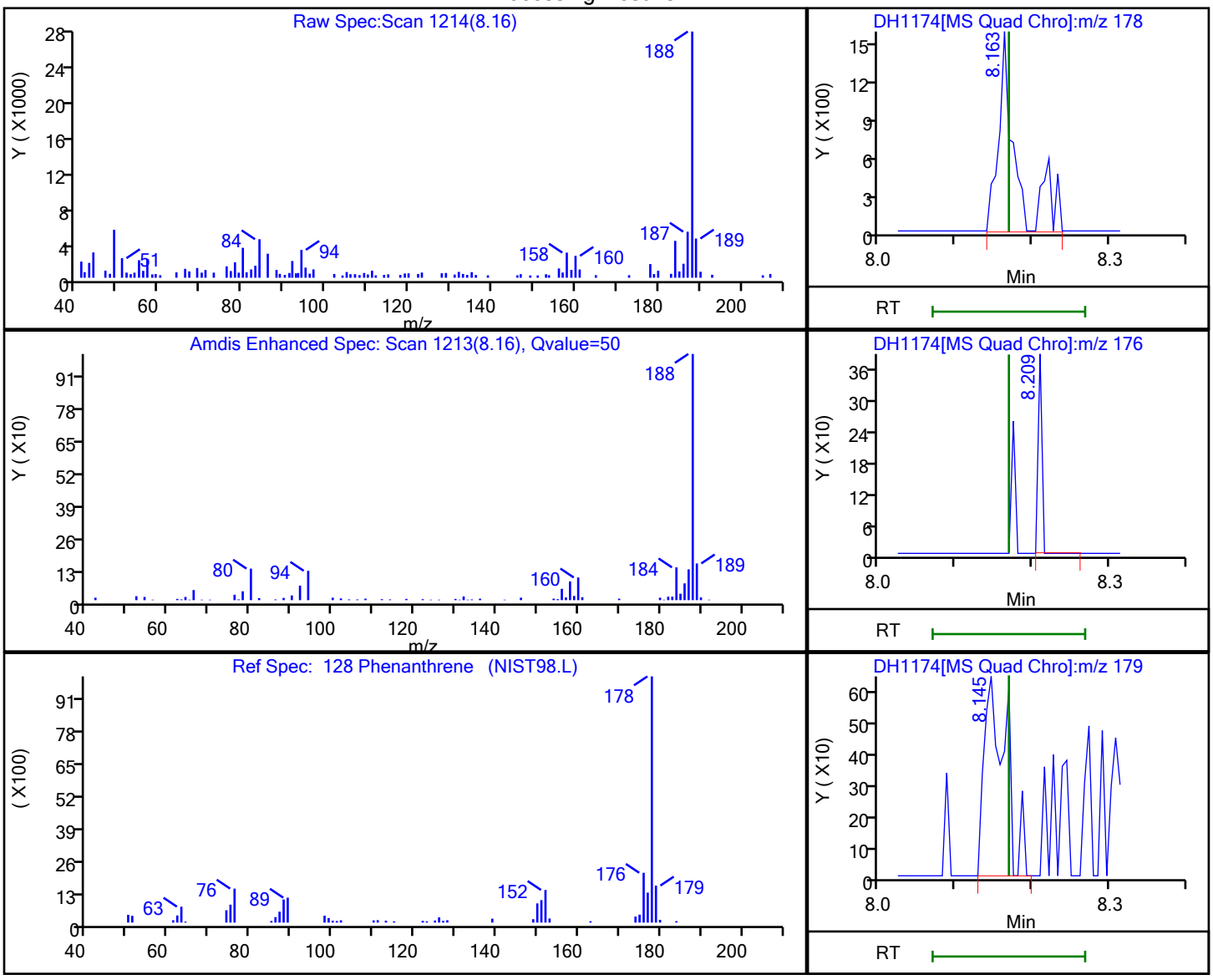
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1174.D				
Injection Date:	12-Aug-2025 04:59:06	Instrument ID:	HP19760		
Lims ID:	410-234898-I-5-A	Lab Sample ID:	410-234898-5		
Client ID:	16WDUP				
Operator ID:	EEA115318	ALS Bottle#:	24	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

128 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
8.16	178.00	2384	0.017919
8.21	176.00	133	
8.15	179.00	1249	

Reviewer: W6ZA, 12-Aug-2025 13:51:18 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1B
Lab Sample ID: 410-234898-6

Matrix: Water
Lab File ID: DH0765.D

Analysis Method: 8270E
Date Collected: 07/30/2025 09:45

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 249.1(mL)
Date Analyzed: 08/08/2025 01:23

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682464
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		10.0	2.01
99-65-0	1,3-Dinitrobenzene	ND		10.0	2.31
108-60-1	bis (2-chloroisopropyl) ether	ND	cn	10.0	0.602
58-90-2	2,3,4,6-Tetrachlorophenol	ND		10.0	1.81
95-95-4	2,4,5-Trichlorophenol	ND		10.0	2.01
88-06-2	2,4,6-Trichlorophenol	ND		10.0	1.81
120-83-2	2,4-Dichlorophenol	ND		10.0	1.60
121-14-2	2,4-Dinitrotoluene	ND		10.0	2.11
87-65-0	2,6-Dichlorophenol	ND		10.0	1.41
606-20-2	2,6-Dinitrotoluene	ND		10.0	2.11
91-58-7	2-Chloronaphthalene	ND		10.0	0.502
95-57-8	2-Chlorophenol	ND		10.0	1.00
91-57-6	2-Methylnaphthalene	ND		10.0	0.291
95-48-7	o-Cresol	ND		10.0	0.963
88-74-4	2-Nitroaniline	ND		10.0	1.00
88-75-5	2-Nitrophenol	ND		10.0	1.27
101-55-3	4-Bromophenyl-phenylether	ND		10.0	0.562
59-50-7	4-Chloro-3-methylphenol	ND		10.0	1.00
7005-72-3	4-Chlorophenyl-phenyl ether	ND		10.0	0.602
106-44-5	m & p-Cresol	ND		20.1	2.48
99-55-8	5-Nitro-o-toluidine	ND		10.0	2.01
83-32-9	Acenaphthene	ND		10.0	0.351
208-96-8	Acenaphthylene	ND		10.0	0.482
120-12-7	Anthracene	ND		10.0	0.522
56-55-3	Benzo[a]anthracene	ND		10.0	0.452
50-32-8	Benzo[a]pyrene	ND		10.0	1.51
205-99-2	Benzo[b]fluoranthene	ND		10.0	1.20
191-24-2	Benzo[g,h,i]perylene	ND		10.0	0.422
207-08-9	Benzo[k]fluoranthene	ND		10.0	1.61
218-01-9	Chrysene	ND		10.0	0.311

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1B
Lab Sample ID: 410-234898-6

Matrix: Water
Lab File ID: DH0765.D

Analysis Method: 8270E
Date Collected: 07/30/2025 09:45

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 249.1(mL)
Date Analyzed: 08/08/2025 01:23

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682464
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2303-16-4	Diallate	ND		10.0	3.01
53-70-3	Dibenz(a,h)anthracene	ND		10.0	0.381
132-64-9	Dibenzofuran	ND		10.0	0.602
84-66-2	Diethyl phthalate	ND		10.0	2.01
60-51-5	Dimethoate	ND	*1	10.0	3.01
62-50-0	Ethyl methanesulfonate	ND		10.0	1.10
206-44-0	Fluoranthene	ND		10.0	0.422
86-73-7	Fluorene	ND		10.0	0.381
118-74-1	Hexachlorobenzene	ND		10.0	0.873
1888-71-7	Hexachloropropene	ND		10.0	2.01
193-39-5	Indeno[1,2,3-cd]pyrene	ND		10.0	0.151
465-73-6	Isodrin	ND		10.0	1.10
143-50-0	Kepone	ND		50.2	25.1
55-18-5	N-Nitrosodiethylamine	ND		10.0	3.01
62-75-9	N-Nitrosodimethylamine	ND	cn	10.0	2.01
86-30-6	n-Nitrosodiphenylamine(as diphenylamine)	ND		10.0	0.582
59-89-2	N-Nitrosomorpholine	ND	cn	10.0	3.01
100-75-4	N-Nitrosopiperidine	ND		10.0	1.10
98-95-3	Nitrobenzene	ND		10.0	0.602
126-68-1	o,o',o''-Triethylphosphorothioate	ND		10.0	2.61
608-93-5	Pentachlorobenzene	ND		10.0	1.61
62-44-2	Phenacetin	ND		10.0	1.41
87-86-5	Pentachlorophenol	ND		10.0	3.01
85-01-8	Phenanthrene	ND		10.0	0.522
108-95-2	Phenol	ND		10.0	0.773
298-02-2	Phorate	ND		10.0	2.51
129-00-0	Pyrene	ND		10.0	0.411
94-59-7	Safrole, Total	ND		10.0	2.21
3689-24-5	Sulfotepp	ND		10.0	2.41

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1B
Lab Sample ID: 410-234898-6

Matrix: Water
Lab File ID: DH0765.D

Analysis Method: 8270E
Date Collected: 07/30/2025 09:45

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 249.1(mL)
Date Analyzed: 08/08/2025 01:23

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682464
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
297-97-2	O,O-Diethyl O-2-pyrazinyl phosphorothioate	ND		10.0	2.41
117-81-7	Bis(2-ethylhexyl) phthalate	ND		10.0	2.01

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	65		13-134
321-60-8	2-Fluorobiphenyl (Surr)	80		45-120
367-12-4	2-Fluorophenol (Surr)	34		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	85		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	83		26-123
4165-62-2	Phenol-d5 (Surr)	25		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0765.D
Lims ID: 410-234898-J-6-A
Client ID: 16WC1B
Sample Type: Client
Inject. Date: 08-Aug-2025 01:23:25 ALS Bottle#: 15 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-234898-J-6-A
Misc. Info.: 410-0155901-016
Operator ID: EEA115318 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Aug-2025 15:58:54 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1608

First Level Reviewer: W6ZA Date: 08-Aug-2025 15:42:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
3 N-Nitrosodimethylamine	74		1.530				ND	
$ 10 2-Fluorophenol	112	2.579	2.579	0.000	94	410299	8.40	
11 N-Nitrosodiethylamine	102		2.777				ND	
12 Ethyl methanesulfonate	109		3.074				ND	
$ 16 Phenol-d5	99	3.488	3.488	0.000	96	426827	6.36	
17 Phenol	94		3.500				ND	
20 2-Chlorophenol	128		3.628				ND	7
* 22 1,4-Dichlorobenzene-d4	152	3.832	3.832	0.000	96	187024	5.00	
28 2-Methylphenol	108		4.100				ND	
29 2,2'-oxybis[1-chloropropane]	45		4.112				ND	7
35 N-Nitrosomorpholine	56		4.258				ND	
32 4-Methylphenol	108		4.258				ND	
$ 39 Nitrobenzene-d5	82	4.374	4.421	-0.006	88	1241855	21.3	
40 Nitrobenzene	77		4.397				ND	U
42 N-Nitrosopiperidine	114		4.543				ND	
44 2-Nitrophenol	139		4.706				ND	
46 o,o',o''-Triethylphosphorothioat	198		4.835				ND	
48 2,4-Dichlorophenol	162		4.945				ND	
* 50 Naphthalene-d8	136	5.068	5.068	0.000	99	690745	5.00	
54 2,6-Dichlorophenol	162		5.161				ND	
55 Hexachloropropene	213		5.173				ND	
64 4-Chloro-3-methylphenol	107		5.645				ND	
65 Safrole, Total	162		5.691				ND	
66 2-Methylnaphthalene	142		5.755				ND	7
69 1,2,4,5-Tetrachlorobenzene	216		5.919				ND	
71 2,4,6-Trichlorophenol	196		6.041				ND	
72 2,4,5-Trichlorophenol	196		6.076				ND	
$ 73 2-Fluorobiphenyl (Surr)	172	6.117	6.117	0.000	100	2228057	20.1	
76 2-Chloronaphthalene	162		6.222				ND	
79 2-Nitroaniline	138		6.327				ND	
86 1,3-Dinitrobenzene	168		6.537				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
87 2,6-Dinitrotoluene	165		6.566				ND	
88 Acenaphthylene	152		6.606				ND	
* 90 Acenaphthene-d10	164	6.741	6.741	0.000	93	395456	5.00	
91 Acenaphthene	153		6.775				ND	
94 Pentachlorobenzene	250		6.898				ND	
96 Dibenzofuran	168		6.939				ND	
95 2,4-Dinitrotoluene	165		6.945				ND	
98 2,3,4,6-Tetrachlorophenol	232		7.067				ND	
100 Diethyl phthalate	149		7.189				ND	7
102 Fluorene	166		7.259				ND	
101 Thionazin	107		7.265				ND	
103 4-Chlorophenyl phenyl ether	204		7.277				ND	
104 N-Nitro-o-toluidine	152		7.288				ND	
107 N-Nitrosodiphenylamine	169		7.393				ND	
$ 109 2,4,6-Tribromophenol	330	7.487	7.492	-0.005	94	260917	16.3	
110 Sulfotepp	97		7.562				ND	7
113 cis-Diallate	86		7.667				ND	7
114 Phorate	75		7.673				ND	
115 Phenacetin	108		7.702				ND	
116 4-Bromophenyl phenyl ether	248		7.737				ND	
117 trans-Diallate	86		7.749				ND	7
118 Hexachlorobenzene	284		7.778				ND	
119 Dimethoate	87		7.836				ND	
121 Pentachlorophenol	266		7.970				ND	7
* 126 Phenanthrene-d10	188	8.139	8.140	-0.001	97	681771	5.00	
128 Phenanthrene	178		8.163				ND	7
129 Anthracene	178		8.215				ND	7
141 Isodrin	193		9.136				ND	7
143 Fluoranthene	202		9.288				ND	
* 149 Pyrene-d10 (IS)	212	9.474	9.480	-0.006	98	666875	5.00	
150 Pyrene	202		9.497				ND	7
S 136 Diallate	86		9.653				ND	7
$ 152 p-Terphenyl-d14	244	9.666	9.666	-0.006	98	2133264	20.8	
153 Kepone	272		10.139				ND	
161 Benzo[a]anthracene	228		10.669				ND	
162 Chrysene	228		10.710				ND	
163 Bis(2-ethylhexyl) phthalate	149		10.780				ND	7
167 Benzo[b]fluoranthene	252		11.899				ND	
168 Benzo[k]fluoranthene	252		11.934				ND	
169 Benzo[a]pyrene	252		12.295				ND	U
* 170 Perylene-d12	264	12.365	12.371	-0.006	98	475225	5.00	
174 Indeno[1,2,3-cd]pyrene	276		13.776				ND	
175 Dibenz(a,h)anthracene	278		13.822				ND	
176 Benzo[g,h,i]perylene	276		14.120				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

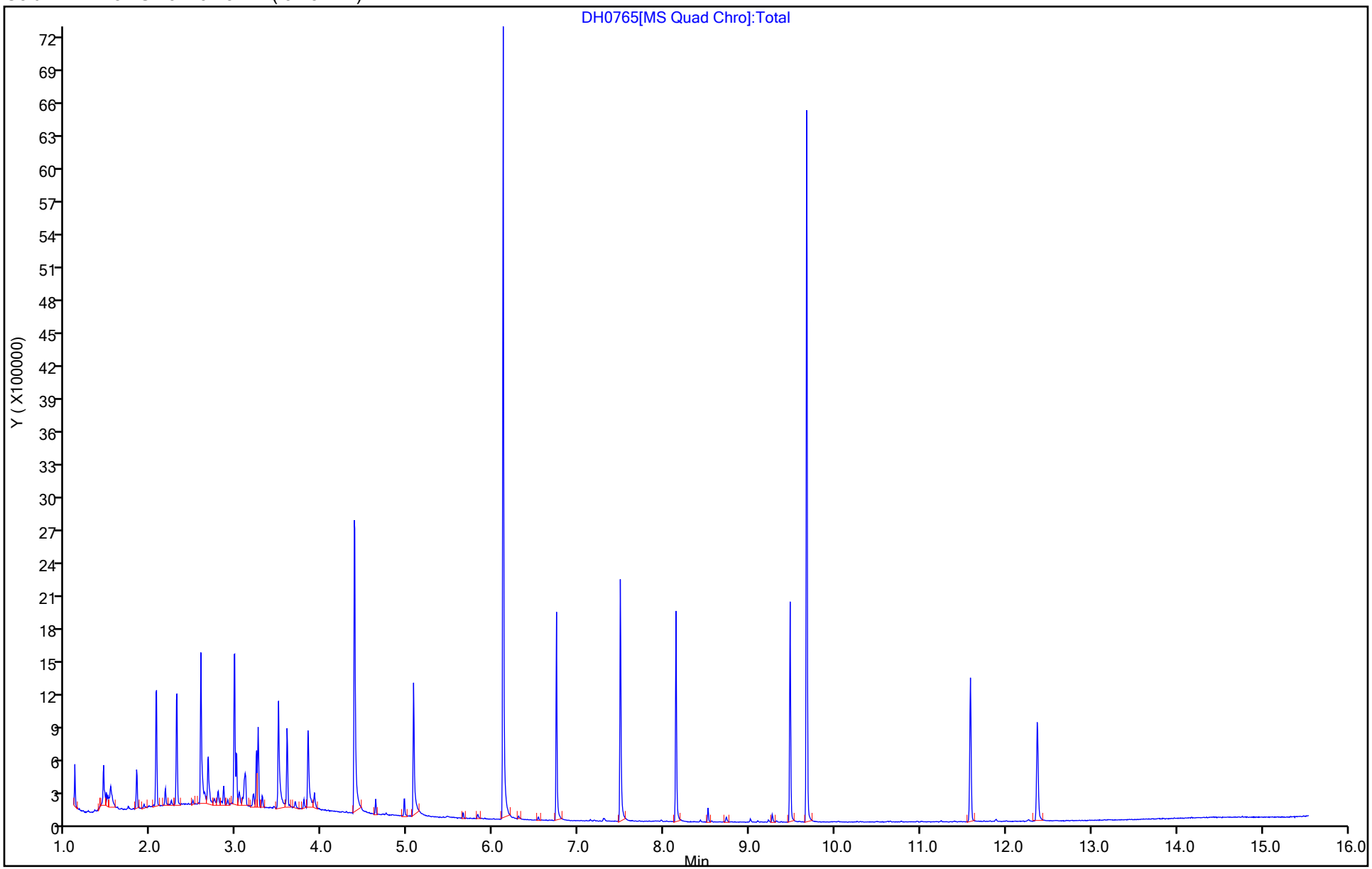
MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 08-Aug-2025 15:59:56 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0765.D				
Injection Date:	08-Aug-2025 01:23:25	Instrument ID:	HP19760	Operator ID:	EEA115318
Lims ID:	410-234898-J-6-A	Lab Sample ID:	410-234898-6	Worklist Smp#:	16
Client ID:	16WC1B				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0765.D
Lims ID: 410-234898-J-6-A
Client ID: 16WC1B
Sample Type: Client
Inject. Date: 08-Aug-2025 01:23:25 ALS Bottle#: 15 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-234898-J-6-A
Misc. Info.: 410-0155901-016
Operator ID: EEA115318 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Aug-2025 15:58:54 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1608

First Level Reviewer: W6ZA Date: 08-Aug-2025 15:42:27

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	25.0	8.40	33.59
$ 16 Phenol-d5	25.0	6.36	25.44
$ 39 Nitrobenzene-d5	25.0	21.3	85.29
$ 73 2-Fluorobiphenyl (Surr)	25.0	20.1	80.30
$ 109 2,4,6-Tribromophenol	25.0	16.3	65.40
$ 152 p-Terphenyl-d14	25.0	20.8	83.22

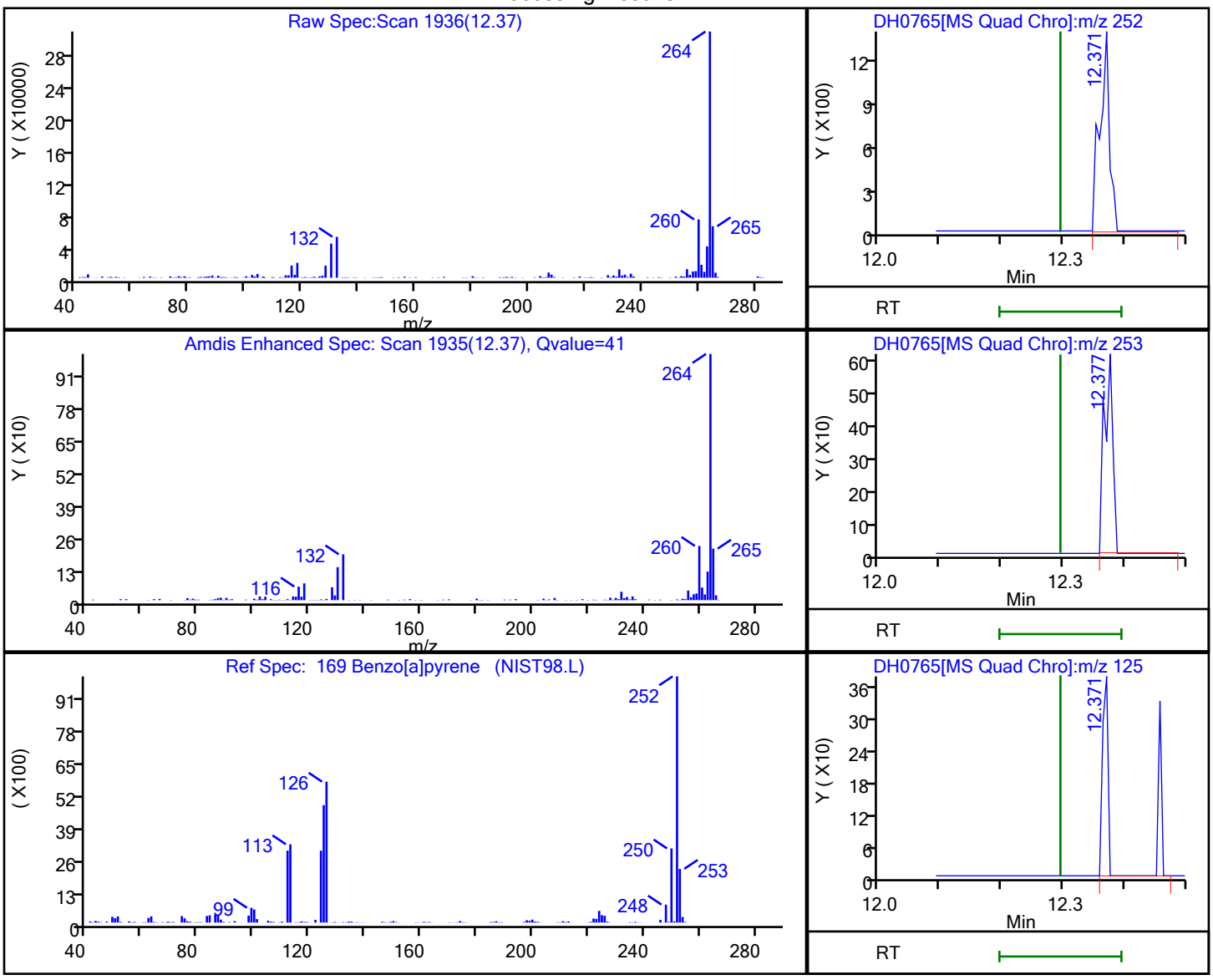
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0765.D				
Injection Date:	08-Aug-2025 01:23:25	Instrument ID:	HP19760		
Lims ID:	410-234898-J-6-A	Lab Sample ID:	410-234898-6		
Client ID:	16WC1B				
Operator ID:	EEA115318	ALS Bottle#:	15	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

169 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.37	252.00	1469	0.014074
12.38	253.00	589	
12.37	125.00	349	

Reviewer: W6ZA, 08-Aug-2025 15:42:09 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

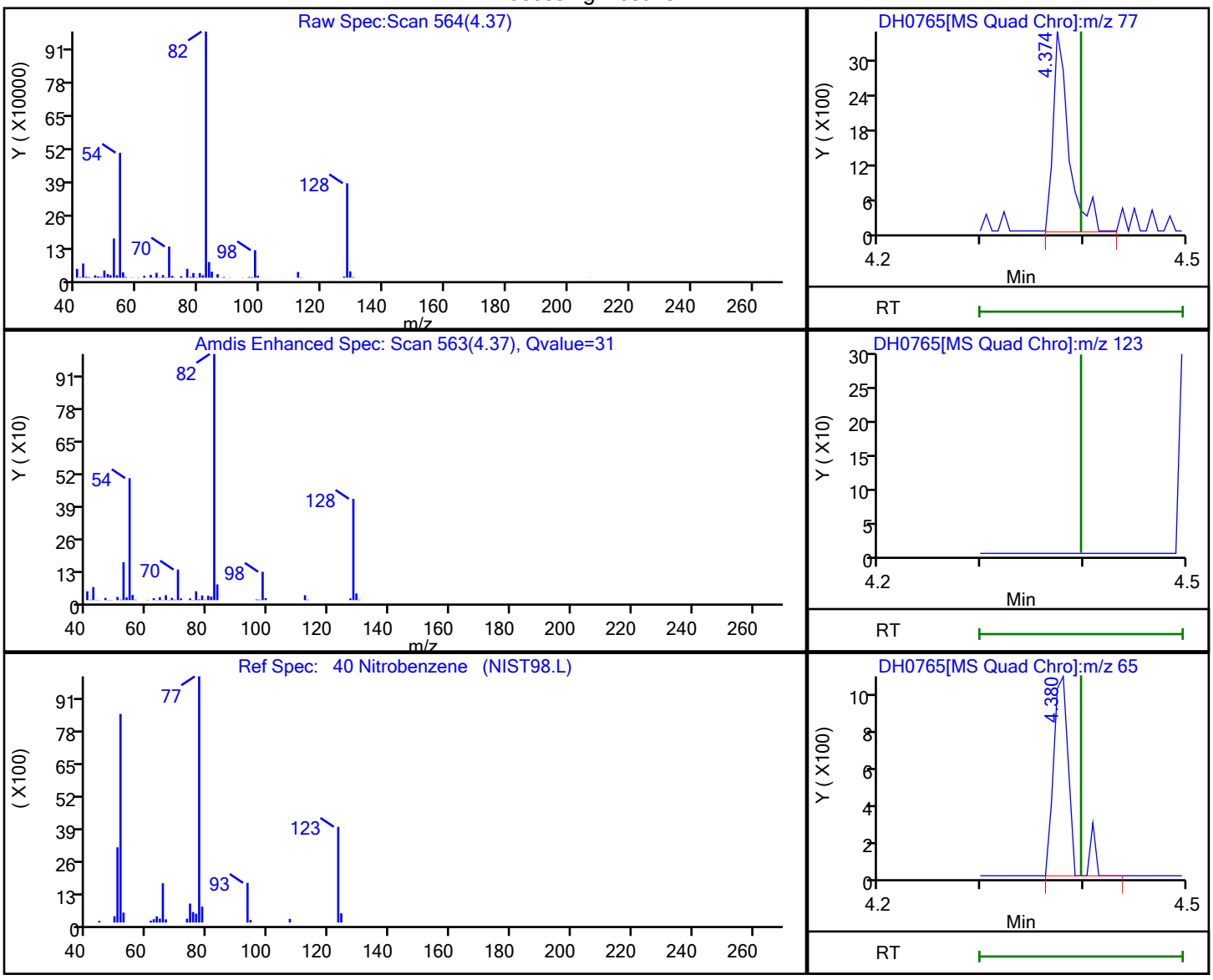
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0765.D				
Injection Date:	08-Aug-2025 01:23:25	Instrument ID:	HP19760		
Lims ID:	410-234898-J-6-A	Lab Sample ID:	410-234898-6		
Client ID:	16WC1B				
Operator ID:	EEA115318	ALS Bottle#:	15	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.37	77.00	3608	0.063175
4.40	123.00	0	
4.38	65.00	1076	

Reviewer: W6ZA, 08-Aug-2025 15:42:16 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-662998/9	DF2558.D
Level 2	IC 410-662998/8	DF2557.D
Level 3	IC 410-662998/7	DF2556.D
Level 4	IC 410-662998/6	DF2555.D
Level 5	IC 410-662998/5	DF2554.D
Level 6	ICIS 410-662998/2	DF2551.D
Level 7	IC 410-662998/4	DF2553.D
Level 8	IC 410-662998/3	DF2552.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	+++++ 0.5395	+++++ 0.5131	0.6343 0.5576	0.5448	0.5265	Ave		0.5526				7.8		20.0			
N-Nitrosodimethylamine	0.6548 0.8201	0.7877 0.8123	0.7639 0.8722	0.7837	0.8283	Ave		0.7904				8.1		20.0			
Pyridine	1.2895 1.3711	1.4263 1.3584	1.4155 1.5065	1.3898	1.4222	Ave		1.3974				4.5		20.0			
N,N-dimethylformamide	0.6390 0.8690	0.8686 0.9516	0.8540 1.0212	0.7817	0.8731	Ave		0.8573				13.2		20.0			
2-Picoline	1.5083 1.5961	1.5595 1.5723	1.5737 1.7089	1.5760	1.6028	Ave		1.5872				3.6		20.0			
N-Nitrosomethylethylamine	+++++ 0.6758	+++++ 0.6725	0.7538 0.7183	0.7017	0.6812	Ave		0.7005				4.5		20.0			
Methyl methanesulfonate	0.8052 0.8167	0.7500 0.8086	0.8043 0.8769	0.8200	0.8094	Ave		0.8114				4.2		20.0			
N-Nitrosodiethylamine	0.6921 0.6943	0.6785 0.7033	0.6896 0.7490	0.7059	0.6778	Ave		0.6988				3.2		20.0			
Ethyl methanesulfonate	0.7865 0.7723	0.6957 0.7532	0.7606 0.8142	0.7593	0.7585	Ave		0.7625				4.4		20.0			
Benzaldehyde	1.2790 1.2334	1.2145 1.2015	1.3402 1.1391	1.2186	1.2221	Ave		1.2310			0.0100	4.8		20.0			
Phenol	2.1185 2.0208	1.9218 2.0013	1.9658 2.1212	2.0263	2.0322	Ave		2.0260			0.8000	3.4		20.0			
Aniline	2.3688 2.4357	2.3306 2.3687	2.3145 2.5307	2.4240	2.4180	Ave		2.3989				2.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Bis(2-chloroethyl)ether	1.4520 1.4622	1.4724 1.4173	1.4866 1.5077	1.4707	1.4658	Ave		1.4668			0.7000	1.8		20.0			
2-Chlorophenol	1.1251 1.3599	1.2933 1.3368	1.3071 1.4274	1.3369	1.3740	Ave		1.3201			0.8000	6.7		20.0			
1,3-Dichlorobenzene	1.4610 1.4643	1.6594 1.4287	1.4582 1.5450	1.5095	1.4620	Ave		1.4985				5.0		20.0			
1,4-Dichlorobenzene	1.4167 1.4864	1.4346 1.4459	1.5181 1.5599	1.5154	1.4900	Ave		1.4834				3.3		20.0			
Benzyl alcohol	0.7833 0.9471	0.8714 0.9334	0.8729 1.0018	0.9125	0.9624	Ave		0.9106				7.4		20.0			
1,2-Dichlorobenzene	1.4732 1.3958	1.4710 1.3774	1.4047 1.4628	1.4051	1.3873	Ave		1.4222				2.8		20.0			
o-Cresol	1.2692 1.2939	1.0758 1.2742	1.2207 1.3767	1.2728	1.2846	Ave		1.2585			0.7000	6.8		20.0			
bis (2-chloroisopropyl) ether	1.2901 1.3125	1.3725 1.2778	1.3105 1.3504	1.3323	1.3183	Ave		1.3205			0.0100	2.3		20.0			
N-Nitrosopyrrolidine	0.6731 0.7526	0.6965 0.7653	0.7407 0.8076	0.7484	0.7402	Ave		0.7406				5.5		20.0			
Acetophenone	2.3113 2.0750	2.0142 2.0170	2.0800 2.1550	2.0965	2.0671	Ave		2.1020			0.0100	4.5		20.0			
N-Nitrosodi-n-propylamine	1.0392 1.0333	0.9464 1.0043	1.0007 1.0793	1.0565	1.0322	Ave		1.0240			0.5000	3.9		20.0			
m & p-Cresol	1.3620 1.4855	1.3097 1.4584	1.4499 1.5278	1.5114	1.5151	Ave		1.4525			0.6000	5.4		20.0			
N-Nitrosomorpholine	0.8486 0.7451	0.7523 0.7278	0.7452 0.7671	0.7580	0.7600	Ave		0.7630				4.8		20.0			
2-Toluidine	1.9924 2.2868	2.2521 2.2373	2.3818 2.3594	2.3495	2.3169	Ave		2.2720				5.5		20.0			
Hexachloroethane	0.6516 0.6159	0.6271 0.6015	0.6114 0.6561	0.5985	0.6280	Ave		0.6238			0.3000	3.4		20.0			
Nitrobenzene	0.4091 0.4178	0.4127 0.4003	0.4036 0.4313	0.4152	0.4171	Ave		0.4134			0.2000	2.3		20.0			
N-Nitrosopiperidine	0.1989 0.1907	0.1646 0.1862	0.1863 0.2039	0.1828	0.1900	Ave		0.1879				6.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Isophorone	0.6726 0.7602	0.6798 0.7386	0.7096 0.7954	0.7320	0.7611	Ave		0.7311			0.4000	5.8		20.0			
2-Nitrophenol	0.1233 0.1925	0.1763 0.1890	0.1803 0.2076	0.1797	0.1891	Ave		0.1797			0.1000	13.8		20.0			
2,4-Dimethylphenol	0.3683 0.4057	0.3528 0.3938	0.3780 0.4226	0.3920	0.4048	Ave		0.3897			0.2000	5.8		20.0			
o,o',o''-Triethylphosphorothioate	0.1912 0.1774	0.1638 0.1734	0.1818 0.1885	0.1799	0.1765	Ave		0.1791				4.8		20.0			
Bis(2-chloroethoxy)methane	0.4986 0.4798	0.5008 0.4550	0.4571 0.5028	0.4693	0.4832	Ave		0.4808			0.3000	4.0		20.0			
2,4-Dichlorophenol	0.2529 0.2946	0.2674 0.2848	0.2603 0.3160	0.2805	0.2925	Ave		0.2811			0.2000	7.3		20.0			
1,2,4-Trichlorobenzene	0.3050 0.3193	0.3216 0.3100	0.3265 0.3351	0.3147	0.3232	Ave		0.3194				3.0		20.0			
Naphthalene	1.1188 1.0475	1.1605 1.0130	1.0574 1.0879	1.0485	1.0597	Ave		1.0742			0.7000	4.3		20.0			
a-Terpineol	0.2537 0.2665	0.2411 0.2552	0.2582 0.2802	0.2563	0.2632	Ave		0.2593				4.4		20.0			
4-Chloroaniline	0.3636 0.4439	0.4098 0.4232	0.4255 0.4605	0.4218	0.4413	Ave		0.4237			0.0100	6.8		20.0			
2,6-Dichlorophenol	0.2699 0.2850	0.2596 0.2765	0.2683 0.3002	0.2793	0.2869	Ave		0.2782				4.6		20.0			
Hexachloropropene	0.2326 0.2314	0.2001 0.2308	0.2289 0.2480	0.2306	0.2338	Ave		0.2295				5.8		20.0			
Hexachlorobutadiene	0.1891 0.1891	0.1804 0.1831	0.1893 0.1995	0.1825	0.1936	Ave		0.1883			0.0100	3.4		20.0			
Quinoline	0.7166 0.6924	0.6547 0.6727	0.7166 0.7232	0.6765	0.6935	Ave		0.6933				3.5		20.0			
Caprolactam	+++++ 0.1089	0.0878 0.1072	0.0950 0.1097	0.0977	0.1051	Ave		0.1016			0.0100	8.2		20.0			
N-Nitrosodi-n-butylamine	+++++ 0.3510	0.4253 0.3430	0.3285 0.3676	0.2903	0.2805	Ave		0.3409				14.3		20.0			
1,4-phenylenediamine	+++++ 0.3919	0.2582 0.3859	0.3456 0.4041	0.3717	0.3943	Ave		0.3645				13.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.2860 0.3520	0.2869 0.3365	0.3186 0.3672	0.3250	0.3426	Ave		0.3269			0.2000	8.9		20.0			
Safrole, Total	0.2545 0.2625	0.2461 0.2592	0.2639 0.2822	0.2596	0.2610	Ave		0.2611				3.9		20.0			
2-Methylnaphthalene	0.6194 0.5996	0.5916 0.5835	0.6104 0.6201	0.6091	0.6014	Ave		0.6044			0.4000	2.1		20.0			
1-Methylnaphthalene	0.6250 0.6298	0.6403 0.6132	0.6197 0.6439	0.6307	0.6381	Ave		0.6301				1.7		20.0			
Hexachlorocyclopentadiene	0.3358 0.4476	0.3396 0.4387	0.3551 0.4954	0.4232	0.4357	Ave		0.4089			0.0500	14.3		20.0			
1,2,4,5-Tetrachlorobenzene	0.6470 0.6055	0.6564 0.5871	0.6366 0.6352	0.6204	0.6133	Ave		0.6252			0.0100	3.7		20.0			
Isosafrole Peak 1	0.5300 0.5478	0.4302 0.5523	0.5365 0.6004	0.5533	0.5550	Ave		0.5382				9.0		20.0			
2,4,6-Trichlorophenol	0.2776 0.3899	0.3347 0.3783	0.3607 0.4162	0.3789	0.3844	Ave		0.3651			0.2000	11.6		20.0			
2,4,5-Trichlorophenol	0.3547 0.4265	0.3032 0.4040	0.4004 0.4529	0.4317	0.4303	Ave		0.4005			0.2000	12.3		20.0			
Isosafrole Peak 2	0.5676 0.6009	0.4890 0.5638	0.6133 0.6305	0.5949	0.5947	Ave		0.5818				7.5		20.0			
1,1'-Biphenyl	1.5718 1.5264	1.7100 1.4408	1.5891 1.5917	1.5896	1.5681	Ave		1.5734			0.0100	4.8		20.0			
2-Chloronaphthalene	1.2070 1.1229	1.2791 1.0679	1.3659 1.2572	1.3324	1.2326	Ave		1.2331			0.8000	8.1		20.0			
1-Chloronaphthalene	1.0241 1.1198	1.1339 1.0837	1.1383 1.0955	1.0560	1.0806	Ave		1.0915				3.6		20.0			
Diphenyl ether	0.8530 0.8597	0.9371 0.8233	0.9216 0.9038	0.8922	0.8743	Ave		0.8831				4.3		20.0			
2-Nitroaniline	+++++ 0.4078	0.2966 0.3843	0.3722 0.4314	0.4018	0.3954	Ave		0.3842			0.0100	11.2		20.0			
1,4-Naphthoquinone	0.3396 0.4712	0.3435 0.4611	0.4208 0.4917	0.4578	0.4678	Ave		0.4317				13.7		20.0			
1,4-Dinitrobenzene	0.1509 0.2064	0.1594 0.1997	0.1705 0.2279	0.1988	0.2121	Ave		0.1907				14.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dimethyl phthalate	1.4120 1.3522	1.2861 1.2775	1.3750 1.4061	1.3696	1.3798	Ave		1.3573			0.0100	3.7		20.0			
1,3-Dinitrobenzene	+++++ 0.2303	+++++ 0.2194	0.2100 0.2429	0.2220	0.2225	Ave		0.2245				5.0		20.0			
2,6-Dinitrotoluene	0.2441 0.2953	0.2387 0.2897	0.3047 0.3239	0.3027	0.3147	Ave		0.2892			0.2000	10.9		20.0			
Acenaphthylene	1.7137 1.9096	1.8627 1.8350	1.8880 1.9909	1.9335	1.9435	Ave		1.8846			0.9000	4.5		20.0			
3-Nitroaniline	0.2453 0.3470	0.2691 0.3345	0.3091 0.3761	0.3504	0.3460	Ave		0.3222			0.0100	13.9		20.0			
Acenaphthene	1.4151 1.2360	1.3350 1.1652	1.2509 1.2837	1.2416	1.2672	Ave		1.2743			0.9000	5.8		20.0			
2,4-Dinitrophenol	+++++ 0.2029	+++++ 0.2061	0.1728 0.2288	0.1886	0.2063	Ave		0.2009			0.0100	9.4		20.0			
Pentachlorobenzene	0.5316 0.5291	0.5895 0.5127	0.5868 0.5555	0.5454	0.5289	Ave		0.5474				5.1		20.0			
4-Nitrophenol	0.1569 0.2331	0.1812 0.2247	0.2181 0.2501	0.2300	0.2337	Ave		0.2160			0.0100	14.4		20.0			
Dibenzofuran	1.8616 1.6891	1.7791 1.5792	1.7939 1.7486	1.7577	1.7328	Ave		1.7427			0.8000	4.8		20.0			
2,4-Dinitrotoluene	0.3126 0.4261	0.3235 0.3982	0.4115 0.4412	0.4401	0.4320	Ave		0.3982			0.2000	12.9		20.0			
1-Naphthylamine	1.1280 1.2128	1.1110 1.1629	1.2162 1.2686	1.2209	1.2354	Ave		1.1945				4.6		20.0			
2,3,4,6-Tetrachlorophenol	0.3140 0.3425	0.2977 0.3340	0.3297 0.3668	0.3331	0.3430	Ave		0.3326			0.0100	6.2		20.0			
2-Naphthylamine	1.2249 1.2818	1.1218 1.2280	1.3002 1.3275	1.2929	1.3041	Ave		1.2602				5.3		20.0			
Diethyl phthalate	1.3074 1.3696	1.3449 1.3093	1.3558 1.4284	1.4156	1.4012	Ave		1.3665			0.0100	3.4		20.0			
O,O-Diethyl O-2-pyrazinyl phosphorothioate	0.2577 0.2339	0.2321 0.2577	0.2828 0.2771	0.2728	0.2366	Ave		0.2563				7.9		20.0			
Fluorene	1.3719 1.3359	1.3338 1.2766	1.3729 1.3842	1.3992	1.3881	Ave		1.3578			0.9000	3.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chlorophenyl-phenyl ether	0.7437 0.6390	0.6936 0.6087	0.6934 0.6713	0.6604	0.6621	Ave		0.6715			0.4000	6.0		20.0			
5-Nitro-o-toluidine	0.2897 0.3915	0.3072 0.3752	0.3738 0.4147	0.4098	0.3951	Ave		0.3696				12.6		20.0			
4-Nitroaniline	0.2180 0.3404	0.2767 0.3229	0.3218 0.3560	0.3557	0.3453	Ave		0.3171			0.0100	15.0		20.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1509	0.1033 0.1491	0.1347 0.1563	0.1404	0.1466	Ave		0.1402			0.0100	12.6		20.0			
n-Nitrosodiphenylamine(as diphenylamine)	0.5992 0.6617	0.5867 0.6478	0.6489 0.6706	0.6562	0.6548	Ave		0.6407			0.0100	4.8		20.0			
1,2-Diphenylhydrazine	0.7700 0.8245	0.7686 0.7982	0.8074 0.8306	0.8031	0.8098	Ave		0.8015				2.8		20.0			
Sulfotepp	0.1371 0.1487	0.1420 0.1434	0.1340 0.1513	0.1449	0.1396	Ave		0.1426				4.0		20.0			
1,3,5-Trinitrobenzene	+++++ 0.0857	0.0582 0.0875	0.0658 0.0925	0.0767	0.0829	Ave		0.0785				15.8		20.0			
cis-Diallate	+++++ 0.3365	0.4424 0.3298	0.3466 0.3354	0.3431	0.3302	Ave		0.3520				11.5		20.0			
Phorate	0.4666 0.7327	0.4304 0.7220	0.4892 0.7366	0.5029	0.5328	Qua2	-0.006	0.4928	0.0099843						0.9910		0.9900
Phenacetin	0.2899 0.4238	0.3495 0.4180	0.3870 0.4439	0.4067	0.4153	Ave		0.3918				12.7		20.0			
4-Bromophenyl-phenylether	0.2663 0.2153	0.2036 0.2141	0.2221 0.2267	0.2217	0.2175	Ave		0.2234			0.1000	8.3		20.0			
trans-Diallate	+++++ 0.3533	+++++ 0.3363	0.4299 0.3539	0.3554	0.3378	Ave		0.3611				9.6		20.0			
Hexachlorobenzene	0.3009 0.2395	0.2444 0.2347	0.2525 0.2484	0.2434	0.2385	Ave		0.2503			0.1000	8.5		20.0			
Dimethoate	0.2388 0.3426	0.2531 0.3259	0.3161 0.3370	0.3244	0.3249	Ave		0.3078				12.8		20.0			
Atrazine	0.1608 0.2188	0.1783 0.2121	0.2169 0.2011	0.2151	0.2111	Ave		0.2018			0.0100	10.5		20.0			
Pentachlorophenol	+++++ 0.1615	0.1016 0.1584	0.1196 0.1714	0.1427	0.1489	Ave		0.1434			0.0500	17.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Pentachloronitrobenzene	0.0997 0.1143	0.1151 0.1117	0.1039 0.1166	0.1149	0.1122	Ave		0.1111				5.4		20.0			
4-Aminobiphenyl	0.7361 0.8971	0.7784 0.8746	0.8596 0.8819	0.9154	0.8806	Ave		0.8530				7.3		20.0			
Pronamide	0.3014 0.3526	0.2780 0.3552	0.3181 0.3746	0.3374	0.3471	Ave		0.3330				9.5		20.0			
Dinoseb	+++++ 0.2178	+++++ 0.2211	0.1575 0.2377	0.1891	0.2013	Ave		0.2041				13.9		20.0			
Phenanthrene	1.1850 1.0659	1.1863 1.0336	1.1243 1.0552	1.1028	1.0821	Ave		1.1044			0.7000	5.2		20.0			
Disulfoton	0.4808 0.4952	0.4507 0.4822	0.4977 0.4862	0.4984	0.4902	Ave		0.4852				3.2		20.0			
Anthracene	1.0269 1.0928	1.0235 1.0759	1.1284 1.1049	1.1114	1.1002	Ave		1.0830			0.7000	3.6		20.0			
Carbazole	0.9111 1.0478	0.9697 1.0219	1.0314 1.0555	1.0383	1.0330	Ave		1.0136			0.0100	4.8		20.0			
Methyl parathion	0.1675 0.2848	0.1792 0.2795	0.2298 0.2914	0.2578	0.2697	Ave		0.2450				19.7		20.0			
Di-n-butyl phthalate	0.9815 1.1722	0.9483 1.1435	0.9927 1.1997	1.0944	1.1286	Ave		1.0826			0.0100	8.8		20.0			
Parathion	0.0932 0.1664	0.1155 0.1670	0.1294 0.1709	0.1547	0.1625	Ave		0.1450				19.9		20.0			
4-Nitroquinoline-1-oxide	+++++ 0.0945	+++++ 0.1037	+++++ 0.1157	0.0668	0.0816	Lin2	-0.192	0.1140							0.9940		0.9900
Octachlorostyrene	0.0802 0.0944	0.0986 0.0937	0.0948 0.0960	0.0960	0.0905	Ave		0.0930				6.1		20.0			
Isodrin	0.1507 0.1265	0.1258 0.1240	0.1301 0.1310	0.1297	0.1227	Ave		0.1301				6.8		20.0			
Fluoranthene	1.1268 1.1711	1.1034 1.1565	1.1314 1.1838	1.1577	1.1602	Ave		1.1489			0.6000	2.3		20.0			
Benzidine	+++++ 0.8218	0.5291 0.7670	0.7063 0.8044	0.7871	0.8054	Ave		0.7459				13.8		20.0			
Pyrene	1.4936 1.2193	1.3865 1.1627	1.2763 1.2366	1.2299	1.2176	Ave		1.2778			0.6000	8.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
p-Dimethylamino azobenzene	+++++ 0.2040	0.1489 0.2033	0.1610 0.2262	0.1858	0.2002	Ave		0.1899				14.2		20.0			
Chlorobenzilate	0.2614 0.3854	0.2980 0.3777	0.3452 0.4074	0.3711	0.3821	Ave		0.3535				14.0		20.0			
3,3'-Dimethylbenzidine	+++++ 0.6731	+++++ 0.6466	0.5194 0.6948	0.6410	0.6612	Ave		0.6393				9.7		20.0			
Butyl benzyl phthalate	0.3751 0.5169	0.3907 0.4955	0.4632 0.5385	0.4871	0.5087	Ave		0.4719			0.0100	12.6		20.0			
2-Acetylaminofluorene	+++++ 0.4367	+++++ 0.4422	+++++ 0.4955	0.3718	0.4169	Ave		0.4326				10.3		20.0			
3,3'-Dichlorobenzidine	0.3114 0.4231	0.3110 0.4085	0.3745 0.4402	0.3943	0.4193	Ave		0.3853			0.0100	12.9		20.0			
Benzo[a]anthracene	0.9086 1.0577	0.9207 0.9951	1.0010 1.0946	1.0094	1.0370	Ave		1.0030			0.8000	6.3		20.0			
4,4'-Methylene bis(2-chloroaniline)	+++++ 0.2352	0.1451 0.2212	0.2204 0.2392	0.2223	0.2312	Ave		0.2164				14.9		20.0			
Chrysene	1.0438 0.9920	1.0057 0.9576	0.9898 1.0409	0.9923	1.0083	Ave		1.0038			0.7000	2.8		20.0			
Bis(2-ethylhexyl) phthalate	+++++ 0.7068	0.4845 0.6866	0.5482 0.7615	0.6390	0.6839	Ave		0.6444			0.0100	15.0		20.0			
6-Methylchrysene	0.6740 0.6915	0.6105 0.6681	0.6722 0.7389	0.6710	0.6730	Ave		0.6749				5.2		20.0			
Di-n-octyl phthalate	+++++ 1.3125	+++++ 1.3294	0.8663 1.4777	1.0805	1.2046	Ave		1.2118			0.0100	17.7		20.0			
Benzo[b]fluoranthene	1.1262 1.3008	1.1028 1.2623	1.1419 1.3350	1.1999	1.2503	Ave		1.2149			0.7000	7.0		20.0			
7,12-Dimethylbenz(a)anthracene	+++++ 0.5728	0.4133 0.5698	0.4726 0.6200	0.5423	0.5481	Ave		0.5341				13.0		20.0			
Benzo[k]fluoranthene	1.1126 1.2663	1.1960 1.2423	1.3161 1.3656	1.3330	1.2711	Ave		1.2629			0.7000	6.4		20.0			
Benzo[a]pyrene	0.9404 1.1755	0.9770 1.1821	1.0167 1.2530	1.1105	1.1301	Ave		1.0982			0.7000	10.0		20.0			
3-Methylcholanthrene	+++++ 0.5749	0.4214 0.5765	0.4697 0.6356	0.5192	0.5382	Ave		0.5336				13.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dibenz[a,h]acridine	0.7050 0.8737	0.6421 0.8711	0.7705 0.9640	0.8096	0.8425	Ave		0.8098				12.6		20.0			
Dibenz[a,j]acridine	0.7266 0.9650	0.6970 0.9592	0.7881 1.0596	0.9159	0.9389	Ave		0.8813				14.6		20.0			
Indeno[1,2,3-cd]pyrene	0.8594 1.0491	0.8280 1.0584	0.9469 1.1499	0.9926	1.0317	Ave		0.9895			0.5000	10.8		20.0			
Dibenz(a,h)anthracene	0.9404 1.0897	0.9259 1.0613	0.9945 1.1985	1.0322	1.0577	Ave		1.0375			0.4000	8.4		20.0			
Benzo[g,h,i]perylene	1.0105 1.0954	0.9750 1.0591	1.0179 1.1547	1.0401	1.0583	Ave		1.0514			0.5000	5.3		20.0			
2-Fluorophenol (Surr)	1.1675 1.3591	1.2263 1.3280	1.2429 1.4352	1.3564	1.3352	Ave		1.3063				6.7		20.0			
Phenol-d5 (Surr)	1.5998 1.8584	1.7028 1.8163	1.7572 1.9399	1.8362	1.8413	Ave		1.7940				5.9		20.0			
Nitrobenzene-d5 (Surr)	0.3938 0.4276	0.4430 0.4078	0.4168 0.4412	0.4166	0.4260	Ave		0.4216				3.9		20.0			
2-Fluorobiphenyl (Surr)	1.4864 1.3684	1.3937 1.2768	1.4534 1.3861	1.4487	1.4127	Ave		1.4033				4.6		20.0			
2,4,6-Tribromophenol (Surr)	0.2004 0.2055	0.1731 0.1985	0.2011 0.2223	0.2059	0.2074	Ave		0.2018				6.8		20.0			
p-Terphenyl-d14 (Surr)	0.8037 0.7544	0.7837 0.7186	0.7855 0.7737	0.7629	0.7677	Ave		0.7688				3.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-662998/9	DF2558.D
Level 2	IC 410-662998/8	DF2557.D
Level 3	IC 410-662998/7	DF2556.D
Level 4	IC 410-662998/6	DF2555.D
Level 5	IC 410-662998/5	DF2554.D
Level 6	ICIS 410-662998/2	DF2551.D
Level 7	IC 410-662998/4	DF2553.D
Level 8	IC 410-662998/3	DF2552.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd4	Ave	+++++ 245992	+++++ 347566	25301 543159	68566	129724	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodimethylamine	DCBd4	Ave	2690 373912	6465 550266	30469 849517	98638	204110	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pyridine	DCBd4	Ave	10595 1250328	23414 1840469	112916 2934748	349827	700870	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
N,N-dimethylformamide	DCBd4	Ave	2625 396214	7129 644607	34063 994711	98379	215138	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Picoline	DCBd4	Ave	6196 727769	12800 1065100	62766 1664535	198343	394945	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomethylethylamine	DCBd4	Ave	+++++ 308119	+++++ 455537	30064 699678	88308	167858	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Methyl methanesulfonate	DCBd4	Ave	3308 372364	6156 547768	32079 854097	103204	199454	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodiethylamine	DCBd4	Ave	2843 316554	5569 476466	27505 729550	88845	167018	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Ethyl methanesulfonate	DCBd4	Ave	3231 352133	5710 510238	30337 793072	95557	186895	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzaldehyde	DCBd4	Ave	5254 562395	9968 813912	53453 1109494	153367	301129	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenol	DCBd4	Ave	8703 921387	15774 1355751	78407 2066116	255023	500756	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Aniline	DCBd4	Ave	9731 1110573	19129 1604646	92313 2464951	305078	595819	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethyl)ether	DCBd4	Ave	5965 666707	12085 960098	59293 1468495	185092	361185	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chlorophenol	DCBd4	Ave	4622 620073	10615 905562	52136 1390335	168250	338574	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dichlorobenzene	DCBd4	Ave	6002	13620	58162	189978	360264	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			667647	967872	1504842			12.5	20.0	30.0		
1,4-Dichlorobenzene	DCBd4	Ave	5820	11775	60549	190718	367146	0.125	0.250	1.25	3.75	7.50
			677757	979465	1519405			12.5	20.0	30.0		
Benzyl alcohol	DCBd4	Ave	3218	7152	34815	114846	237143	0.125	0.250	1.25	3.75	7.50
			431815	632309	975815			12.5	20.0	30.0		
1,2-Dichlorobenzene	DCBd4	Ave	6052	12074	56026	176844	341838	0.125	0.250	1.25	3.75	7.50
			636430	933086	1424811			12.5	20.0	30.0		
o-Cresol	DCBd4	Ave	5214	8830	48687	160190	316551	0.125	0.250	1.25	3.75	7.50
			589957	863192	1340971			12.5	20.0	30.0		
bis (2-chloroisopropyl) ether	DCBd4	Ave	5300	11265	52269	167678	324835	0.125	0.250	1.25	3.75	7.50
			598444	865586	1315296			12.5	20.0	30.0		
N-Nitrosopyrrolidine	DCBd4	Ave	2765	5717	29544	94194	182390	0.125	0.250	1.25	3.75	7.50
			343171	518458	786646			12.5	20.0	30.0		
Acetophenone	DCBd4	Ave	9495	16532	82960	263854	509357	0.125	0.250	1.25	3.75	7.50
			946123	1366351	2098969			12.5	20.0	30.0		
N-Nitrosodi-n-propylamine	DCBd4	Ave	4269	7768	39915	132962	254353	0.125	0.250	1.25	3.75	7.50
			471155	680326	1051215			12.5	20.0	30.0		
m & p-Cresol	DCBd4	Ave	5595	10750	57831	190219	373347	0.125	0.250	1.25	3.75	7.50
			677345	987979	1488095			12.5	20.0	30.0		
N-Nitrosomorpholine	DCBd4	Ave	3486	6175	29721	95398	187277	0.125	0.250	1.25	3.75	7.50
			339739	493006	747199			12.5	20.0	30.0		
2-Toluidine	DCBd4	Ave	8185	18485	94998	295699	570904	0.125	0.250	1.25	3.75	7.50
			1042695	1515613	2298131			12.5	20.0	30.0		
Hexachloroethane	DCBd4	Ave	2677	5147	24386	75326	154735	0.125	0.250	1.25	3.75	7.50
			280810	407494	639097			12.5	20.0	30.0		
Nitrobenzene	NPT	Ave	5985	12267	57730	193852	370056	0.125	0.250	1.25	3.75	7.50
			682620	990100	1502758			12.5	20.0	30.0		
N-Nitrosopiperidine	NPT	Ave	2909	4892	26642	85343	168585	0.125	0.250	1.25	3.75	7.50
			311524	460391	710385			12.5	20.0	30.0		
Isophorone	NPT	Ave	9839	20209	101489	341734	675207	0.125	0.250	1.25	3.75	7.50
			1242008	1826594	2771133			12.5	20.0	30.0		
2-Nitrophenol	NPT	Ave	1804	5241	25793	83905	167793	0.125	0.250	1.25	3.75	7.50
			314565	467395	723174			12.5	20.0	30.0		
2,4-Dimethylphenol	NPT	Ave	5387	10489	54063	183022	359102	0.125	0.250	1.25	3.75	7.50
			662879	974024	1472204			12.5	20.0	30.0		
o,o',o''-Triethylphosphorothioate	NPT	Ave	2797	4869	26006	83978	156585	0.125	0.250	1.25	3.75	7.50
			289887	428970	656592			12.5	20.0	30.0		
Bis(2-chloroethoxy)methane	NPT	Ave	7294	14886	65380	219108	428655	0.125	0.250	1.25	3.75	7.50
			783819	1125255	1751949			12.5	20.0	30.0		
2,4-Dichlorophenol	NPT	Ave	3700	7949	37232	130966	259480	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-234898-1 | Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 | GC Column: DB-5MS 30m ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 | Calibration End Date: 06/26/2025 02:03 | Calibration ID: 74112

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			481247	704286	1101077			12.5	20.0	30.0		
1,2,4-Trichlorobenzene	NPT	Ave	4461 521601	9561 766731	46695 1167572	146916	286699	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Naphthalene	NPT	Ave	16366 1711357	34499 2505449	151246 3790213	489505	940123	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
a-Terpineol	NPT	Ave	3711 435389	7168 631068	36934 976169	119656	233536	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloroaniline	NPT	Ave	5319 725224	12182 1046583	60866 1604268	196926	391511	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dichlorophenol	NPT	Ave	3948 465636	7716 683815	38375 1045801	130416	254570	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloropropene	NPT	Ave	3403 378086	5948 570788	32735 864203	107682	207386	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorobutadiene	NPT	Ave	2766 309004	5363 452914	27071 695236	85211	171778	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Quinoline	NPT	Ave	10482 1131306	19462 1663731	102497 2519579	315858	615283	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Caprolactam	NPT	Ave	+++++ 177988	2609 265185	13582 382350	45617	93288	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-butylamine	NPT	Ave	+++++ 573415	12643 848281	46990 1280646	135522	248893	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-phenylenediamine	NPT	Ave	+++++ 640204	7675 954427	49433 1407813	173526	349853	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloro-3-methylphenol	NPT	Ave	4184 575080	8530 832268	45568 1279372	151754	303963	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Safrole, Total	NPT	Ave	3723 428864	7316 641160	37751 983328	121207	231592	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylnaphthalene	NPT	Ave	9060 979655	17587 1443188	87301 2160524	284388	533600	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Methylnaphthalene	NPT	Ave	9143 1029026	19034 1516455	88634 2243409	294456	566148	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorocyclopentadiene	ANT	Ave	2566 388678	5259 586727	26557 907860	101324	203953	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2,4,5-Tetrachlorobenzene	ANT	Ave	4944 525762	10165 785241	47606 1164084	148552	287058	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 1	ANT	Ave	648 76106	1066 118184	6419 176041	21196	41563	0.0200 2.00	0.0400 3.20	0.200 4.80	0.600	1.20
2,4,6-Trichlorophenol	ANT	Ave	2121 338533	5184 506015	26972 762641	90721	179926	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4,5-Trichlorophenol	ANT	Ave	2710	4696	29944	103363	201418	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-234898-1 | Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 | GC Column: DB-5MS 30m ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 | Calibration End Date: 06/26/2025 02:03 | Calibration ID: 74112

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			370370	540394	829958			12.5	20.0	30.0		
Isosafrole Peak 2	ANT	Ave	3643 438276	6361 633393	38521 970484	119646	233833	0.105 10.5	0.210 16.8	1.05 25.2	3.15	6.30
1,1'-Biphenyl	ANT	Ave	12010 1325448	26482 1927064	118830 2916696	380587	733935	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chloronaphthalene	ANT	Ave	9223 975041	19809 1428330	102137 2303815	319003	576920	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Chloronaphthalene	ANT	Ave	7825 972324	17560 1449375	85117 2007425	252829	505801	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diphenyl ether	ANT	Ave	6518 746499	14512 1101128	68916 1656131	213623	409218	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitroaniline	ANT	Ave	+++++ 354065	4594 513926	27836 790568	96191	185050	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Naphthoquinone	ANT	Ave	2595 409145	5320 616694	31469 900994	109611	218943	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Dinitrobenzene	ANT	Ave	1153 179239	2469 267129	12752 417614	47587	99276	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethyl phthalate	ANT	Ave	10789 1174201	19917 1708552	102818 2576629	327910	645809	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dinitrobenzene	ANT	Ave	+++++ 199987	+++++ 293421	15702 445134	53164	104126	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2,6-Dinitrotoluene	ANT	Ave	1865 256433	3697 387398	22785 593617	72467	147305	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthylene	ANT	Ave	13095 1658145	28847 2454236	141185 3648329	462938	909654	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Nitroaniline	ANT	Ave	1874 301325	4167 447359	23113 689291	83892	161963	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthene	ANT	Ave	10813 1073244	20675 1558407	93540 2352319	297282	593137	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrophenol	ANT	Ave	+++++ 352296	+++++ 551422	51688 838588	135449	225334	+++++ 25.0	+++++ 40.0	5.00 60.0	11.3	17.5
Pentachlorobenzene	ANT	Ave	4062 459444	9130 685655	43883 1017969	130589	247555	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitrophenol	ANT	Ave	7194 404819	16834 600976	48918 916527	110136	218774	0.750 25.0	1.50 40.0	3.75 60.0	7.50	15.0
Dibenzofuran	ANT	Ave	14225 1466671	27552 2112084	134147 3204262	420848	811033	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrotoluene	ANT	Ave	2389 369987	5010 532620	30770 808408	105370	202218	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Naphthylamine	ANT	Ave	8619	17205	90947	292320	578253	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1053145	1555314	2324653			12.5	20.0	30.0		
2,3,4,6-Tetrachlorophenol	ANT	Ave	2399 297410	4611 446686	24655 672246	79746	160534	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Naphthylamine	ANT	Ave	9360 1113050	17373 1642426	97227 2432667	309567	610377	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diethyl phthalate	ANT	Ave	9990 1189229	20828 1751138	101383 2617592	338936	655834	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
O,O-Diethyl O-2-pyrazinyl phosphorothioate	ANT	Ave	1969 203109	3594 344606	21149 507772	65312	110733	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluorene	ANT	Ave	10483 1159962	20656 1707361	102661 2536606	335016	649713	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chlorophenyl-phenyl ether	ANT	Ave	5683 554878	10741 814098	51854 1230231	158122	309903	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
5-Nitro-o-toluidine	ANT	Ave	2214 339976	4757 501874	27952 759960	98110	184937	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroaniline	ANT	Ave	1666 295539	4285 431834	24061 652286	85175	161602	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 454305	17478 669328	54575 1020168	120303	246237	+++++ 25.0	1.50 40.0	3.75 60.0	7.50	15.0
n-Nitrosodiphenylamine(as diphenylamine)	PHN	Ave	7018 846445	14062 1236310	74490 1860293	238984	467477	0.106 10.6	0.213 17.0	1.06 25.5	3.19	6.38
1,2-Diphenylhydrazine	PHN	Ave	10609 1240841	21673 1792182	109049 2710771	344113	680118	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Sulfotepp	PHN	Ave	1889 223795	4005 321864	18097 493653	62085	117228	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3,5-Trinitrobenzene	PHN	Ave	+++++ 129027	1642 196347	8893 302028	32869	69583	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
cis-Diallate	PHN	Ave	+++++ 374800	9231 547913	34640 809934	108773	205203	+++++ 9.25	0.185 14.8	0.925 22.2	2.78	5.55
Phorate	PHN	Qua2	6429 1102815	12136 1620998	66071 2403899	215456	447487	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenacetin	PHN	Ave	3995 637904	9854 938422	52271 1448660	174275	348775	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Bromophenyl-phenylether	PHN	Ave	3669 324112	5741 480635	29995 739925	95005	182659	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
trans-Diallate	PHN	Ave	+++++ 138236	+++++ 196331	15096 300273	39587	73767	+++++ 3.25	+++++ 5.20	0.325 7.80	0.975	1.95
Hexachlorobenzene	PHN	Ave	4146 360476	6891 526906	34106 810791	104289	200297	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dimethoate	PHN	Ave	3290 515704	7136 731614	42696 1099712	139001	272834	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Atrazine	PHN	Ave	2215 329345	5028 476253	29297 656169	92165	177263	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachlorophenol	PHN	Ave	+++++ 486100	14318 711091	32315 1118745	122267	250108	+++++ 25.0	1.25 40.0	2.50 60.0	7.50	15.0
Pentachloronitrobenzene	PHN	Ave	1374 172020	3245 250804	14036 380590	49214	94251	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Aminobiphenyl	PHN	Ave	10142 1350123	21947 1963610	116098 2877999	392234	739578	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pronamide	PHN	Ave	4153 530635	7840 797387	42962 1222667	144546	291485	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dinoseb	PHN	Ave	+++++ 327794	+++++ 496428	21272 775688	81009	169023	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Phenanthrene	PHN	Ave	16327 1604289	33451 2320587	151844 3443501	472502	908811	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Disulfoton	PHN	Ave	6625 745277	12709 1082624	67211 1586613	213561	411701	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Anthracene	PHN	Ave	14149 1644779	28859 2415688	152403 3605761	476177	924039	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Carbazole	PHN	Ave	12554 1576987	27342 2294376	139299 3444772	444876	867604	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Methyl parathion	PHN	Ave	2308 428683	5053 627514	31035 950936	110477	226525	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-butyl phthalate	PHN	Ave	13524 1764218	26739 2567315	134068 3915359	468911	947845	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Parathion	PHN	Ave	1284 250465	3258 374932	17482 557835	66283	136505	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroquinoline-1-oxide	PHN	Lin2	+++++ 142170	+++++ 232826	+++++ 377576	28635	68500	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
Octachlorostyrene	PHN	Ave	1105 142031	2781 210410	12803 313134	41125	75982	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isodrin	PHN	Ave	2076 190326	3548 278454	17577 427386	55586	103030	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluoranthene	PHN	Ave	15525 1762499	31113 2596634	152805 3863330	496041	974419	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzidine	PYR10	Ave	+++++ 3699378	42787 5221488	282015 7561220	1015536	2005450	+++++ 37.5	0.750 60.0	3.75 90.0	11.3	22.5
Pyrene	PYR10	Ave	19663 1829662	37376 2638278	169865 3874540	528950	1010652	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
p-Dimethylamino azobenzene	PYR10	Ave	+++++ 306190	4013 461320	21425 708758	79917	166141	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chlorobenzilate	PYR10	Ave	3442 578305	8032 857104	45939 1276602	159601	317169	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3,3'-Dimethylbenzidine	PYR10	Ave	+++++ 1010060	+++++ 1467199	69130 2176873	275675	548790	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Butyl benzyl phthalate	PYR10	Ave	4938 775590	10531 1124275	61653 1687079	209479	422217	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Acetylaminofluorene	PYR10	Ave	+++++ 655330	+++++ 1003429	+++++ 1552456	159917	346059	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
3,3'-Dichlorobenzidine	PYR10	Ave	4100 634914	8384 926897	49847 1379069	169562	348022	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]anthracene	PYR10	Ave	11962 1587192	24819 2257904	133226 3429478	434114	860709	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,4'-Methylene bis(2-chloroaniline)	PYR10	Ave	+++++ 352995	3912 501891	29340 749311	95607	191887	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chrysene	PYR10	Ave	13742 1488623	27110 2172866	131732 3261471	426757	836956	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-ethylhexyl) phthalate	PYR10	Ave	+++++ 1060654	13060 1557965	72962 2385922	274804	567650	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
6-Methylchrysene	PYR10	Ave	8873 1037579	16456 1515894	89470 2315118	288569	558655	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-octyl phthalate	PRY	Ave	+++++ 1574025	+++++ 2372882	90485 3675159	368570	812217	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Benzo[b]fluoranthene	PRY	Ave	11450 1560028	23237 2253201	119263 3320232	409309	843033	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
7,12-Dimethylbenz(a)anthracene	PRY	Ave	+++++ 686948	8709 1017095	49366 1541908	184994	369544	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[k]fluoranthene	PRY	Ave	11312 1518567	25202 2217544	137465 3396324	454701	857066	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]pyrene	PRY	Ave	9561 1409678	20586 2109973	106196 3116279	378821	761997	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Methylcholanthrene	PRY	Ave	+++++ 689498	8879 1028970	49055 1580831	177098	362879	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,h]acridine	PRY	Ave	7168 1047796	13529 1554968	80481 2397543	276152	568076	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,j]acridine	PRY	Ave	7387 1157313	14687 1712226	82318 2635213	312444	633054	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	8737 1258102	17447 1889143	98901 2859826	338604	695603	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dibenz(a,h)anthracene	PRY	Ave	9561 1306865	19510 1894474	103868 2980842	352100	713190	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[g,h,i]perylene	PRY	Ave	10274 1313677	20544 1890549	106314 2871834	354801	713576	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Fluorophenol (Surr)	DCBd4	Ave	9592 1239366	20130 1799304	99146 2795900	341426	658039	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Phenol-d5 (Surr)	DCBd4	Ave	13144 1694736	27952 2460810	140173 3779098	462182	907456	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Nitrobenzene-d5 (Surr)	NPT	Ave	11520 1397319	26337 2016905	119234 3074269	388968	755833	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2-Fluorobiphenyl (Surr)	ANT	Ave	22715 2376442	43166 3415437	217364 5080025	693733	1322478	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	3063 356881	5362 531006	30069 814792	98590	194103	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
p-Terphenyl-d14 (Surr)	PYR10	Ave	21161 2264055	42253 3260984	209075 4848388	656198	1274520	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0

Curve Type Legend:
Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua2 = Quadratic 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-662998/9	DF2558.D
Level 2	IC 410-662998/8	DF2557.D
Level 3	IC 410-662998/7	DF2556.D
Level 4	IC 410-662998/6	DF2555.D
Level 5	IC 410-662998/5	DF2554.D
Level 6	ICIS 410-662998/2	DF2551.D
Level 7	IC 410-662998/4	DF2553.D
Level 8	IC 410-662998/3	DF2552.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Phorate	4.4 3.3	-8.1 -5.2	-2.2	-4.6	-5.3	15.2	50 30	30 30	30	30	30	30
4-Nitroquinoline-1-oxide	+++++ -0.7	+++++ 7.1	+++++	3.4	-6.1	-3.7	30	30		50	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D
Lims ID: ICIS L6
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 25-Jun-2025 23:30:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS L6
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub58

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:26:57 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: N5QU Date: 26-Jun-2025 01:33:22

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	2 1,4-Dioxane	88	1.408	1.408	0.000	89	245992	12.5	12.2	
	3 N-Nitrosodimethylamine	74	1.612	1.612	0.000	88	373912	12.5	13.0	
	4 Pyridine	79	1.641	1.641	0.000	96	1250328	25.0	24.5	
	6 Dimethylformamide	73	1.909	1.909	0.000	88	396214	12.5	12.7	
	7 2-Picoline	93	2.189	2.189	0.000	90	727769	12.5	12.6	
	8 N-Nitrosomethylethylamine	88	2.276	2.276	0.000	82	308119	12.5	12.1	
	9 Methyl methanesulfonate	80	2.527	2.527	0.000	84	372364	12.5	12.6	
$	10 2-Fluorophenol	112	2.684	2.684	0.000	90	1239366	25.0	26.0	
	11 N-Nitrosodiethylamine	102	2.882	2.882	0.000	85	316554	12.5	12.4	
	12 Ethyl methanesulfonate	109	3.179	3.179	0.000	99	352133	12.5	12.7	
	15 Benzaldehyde	77	3.506	3.506	0.000	97	562395	12.5	12.5	
$	16 Phenol-d5	99	3.587	3.587	0.000	95	1694736	25.0	25.9	
	17 Phenol	94	3.605	3.605	0.000	94	921387	12.5	12.5	
	18 Aniline	93	3.611	3.611	0.000	92	1110573	12.5	12.7	
	19 Bis(2-chloroethyl)ether	93	3.681	3.681	0.000	98	666707	12.5	12.5	
	20 2-Chlorophenol	128	3.727	3.727	0.000	94	620073	12.5	12.9	
	21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	95	667647	12.5	12.2	
*	22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	96	182383	5.00	5.00	
	23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	92	677757	12.5	12.5	
	25 Benzyl alcohol	108	4.077	4.077	0.000	91	431815	12.5	13.0	
	26 1,2-Dichlorobenzene	146	4.095	4.095	0.000	95	636430	12.5	12.3	
	28 2-Methylphenol	108	4.199	4.199	0.000	95	589957	12.5	12.9	
	29 2,2'-oxybis[1-chloropropane]	45	4.211	4.211	0.000	92	598444	12.5	12.4	
	31 N-Nitrosopyrrolidine	100	4.310	4.310	0.000	90	343171	12.5	12.7	
	34 Acetophenone	105	4.328	4.328	0.000	97	946123	12.5	12.3	
	33 N-Nitrosodi-n-propylamine	70	4.339	4.339	0.000	72	471155	12.5	12.6	
	32 4-Methylphenol	108	4.351	4.351	0.000	89	677345	12.5	12.8	
	35 N-Nitrosomorpholine	56	4.351	4.351	0.000	85	339739	12.5	12.2	
	36 2-Toluidine	106	4.363	4.363	0.000	96	1042695	12.5	12.6	
	38 Hexachloroethane	117	4.421	4.421	0.000	96	280810	12.5	12.3	
$	39 Nitrobenzene-d5	82	4.473	4.473	0.000	85	1397319	25.0	25.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Nitrobenzene	77	4.491	4.491	0.000	84	682620	12.5	12.6	
42 N-Nitrosopiperidine	114	4.637	4.637	0.000	90	311524	12.5	12.7	
43 Isophorone	82	4.730	4.730	0.000	97	1242008	12.5	13.0	
44 2-Nitrophenol	139	4.800	4.800	0.000	89	314565	12.5	13.4	
45 2,4-Dimethylphenol	107	4.864	4.864	0.000	96	662879	12.5	13.0	
46 o,o',o''-Triethylphosphorothioat	198	4.928	4.928	0.000	88	289887	12.5	12.4	
47 Bis(2-chloroethoxy)methane	93	4.951	4.951	0.000	96	783819	12.5	12.5	
48 2,4-Dichlorophenol	162	5.039	5.039	0.000	94	481247	12.5	13.1	
49 1,2,4-Trichlorobenzene	180	5.115	5.115	0.000	94	521601	12.5	12.5	
* 50 Naphthalene-d8	136	5.167	5.167	0.000	100	653513	5.00	5.00	a
51 Naphthalene	128	5.185	5.185	0.000	97	1711357	12.5	12.2	
52 Alpha-Terpineol	59	5.208	5.208	0.000	91	435389	12.5	12.8	a
53 4-Chloroaniline	127	5.249	5.249	0.000	94	725224	12.5	13.1	
54 2,6-Dichlorophenol	162	5.254	5.254	0.000	95	465636	12.5	12.8	
55 Hexachloropropene	213	5.272	5.272	0.000	88	378086	12.5	12.6	
56 Hexachlorobutadiene	225	5.313	5.313	0.000	96	309004	12.5	12.6	
60 Quinoline	129	5.505	5.505	0.000	96	1131306	12.5	12.5	
61 Caprolactam	113	5.569	5.569	0.000	82	177988	12.5	13.4	
62 N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	87	573415	12.5	12.9	
63 p-Phenylene diamine	108	5.593	5.593	0.000	96	640204	12.5	13.4	
64 4-Chloro-3-methylphenol	107	5.738	5.738	0.000	93	575080	12.5	13.5	a
65 Safrole, Total	162	5.779	5.779	0.000	87	428864	12.5	12.6	
66 2-Methylnaphthalene	142	5.849	5.849	0.000	90	979655	12.5	12.4	a
67 1-Methylnaphthalene	142	5.942	5.942	0.000	91	1029026	12.5	12.5	a
68 Hexachlorocyclopentadiene	237	6.001	6.001	0.000	96	388678	12.5	13.7	
69 1,2,4,5-Tetrachlorobenzene	216	6.012	6.012	0.000	97	525762	12.5	12.1	
70 Isosafrole Peak 1	162	6.059	6.059	0.000	88	76106	2.00	2.04	
71 2,4,6-Trichlorophenol	196	6.129	6.129	0.000	92	338533	12.5	13.3	
72 2,4,5-Trichlorophenol	196	6.170	6.170	0.000	93	370370	12.5	13.3	
$ 73 2-Fluorobiphenyl (Surr)	172	6.210	6.210	0.000	99	2376442	25.0	24.4	
74 Isosafrole Peak 2	162	6.274	6.274	0.000	90	438276	10.5	10.8	
75 1,1'-Biphenyl	154	6.304	6.304	0.000	96	1325448	12.5	12.1	
76 2-Chloronaphthalene	162	6.315	6.315	0.000	99	975041	12.5	11.4	
77 1-Chloronaphthalene	162	6.333	6.333	0.000	97	972324	12.5	12.8	
78 Phenyl ether	170	6.403	6.403	0.000	83	746499	12.5	12.2	
79 2-Nitroaniline	138	6.420	6.420	0.000	84	354065	12.5	13.3	
81 1,4-Naphthoquinone	158	6.484	6.484	0.000	86	409145	12.5	13.6	
84 1,4-Dinitrobenzene	168	6.560	6.560	0.000	88	179239	12.5	13.5	
85 Dimethyl phthalate	163	6.607	6.607	0.000	98	1174201	12.5	12.5	
86 1,3-Dinitrobenzene	168	6.624	6.624	0.000	87	199987	12.5	12.8	
87 2,6-Dinitrotoluene	165	6.659	6.659	0.000	94	256433	12.5	12.8	
88 Acenaphthylene	152	6.700	6.700	0.000	98	1658145	12.5	12.7	
89 3-Nitroaniline	138	6.811	6.811	0.000	92	301325	12.5	13.5	
* 90 Acenaphthene-d10	164	6.834	6.834	0.000	95	347333	5.00	5.00	
91 Acenaphthene	153	6.869	6.869	0.000	95	1073244	12.5	12.1	
92 2,4-Dinitrophenol	184	6.916	6.916	0.000	89	352296	25.0	25.2	
94 Pentachlorobenzene	250	6.991	6.991	0.000	98	459444	12.5	12.1	
93 4-Nitrophenol	109	7.003	7.003	0.000	83	404819	25.0	27.0	
96 Dibenzofuran	168	7.032	7.032	0.000	96	1466671	12.5	12.1	
95 2,4-Dinitrotoluene	165	7.038	7.038	0.000	91	369987	12.5	13.4	
97 1-Naphthylamine	143	7.108	7.108	0.000	98	1053145	12.5	12.7	
98 2,3,4,6-Tetrachlorophenol	232	7.155	7.155	0.000	74	297410	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 2-Naphthylamine	143	7.184	7.184	0.000	95	1113050	12.5	12.7	
100 Diethyl phthalate	149	7.283	7.283	0.000	98	1189229	12.5	12.5	
101 Thionazin	107	7.353	7.353	0.000	81	203109	12.5	11.4	
102 Fluorene	166	7.359	7.359	0.000	93	1159962	12.5	12.3	
103 4-Chlorophenyl phenyl ether	204	7.370	7.370	0.000	90	554878	12.5	11.9	
104 N-Nitro-o-toluidine	152	7.376	7.376	0.000	91	339976	12.5	13.2	a
105 4-Nitroaniline	138	7.388	7.388	0.000	80	295539	12.5	13.4	
106 4,6-Dinitro-2-methylphenol	198	7.417	7.417	0.000	84	454305	25.0	26.9	a
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	63	846445	10.6	11.0	
108 1,2-Diphenylhydrazine	77	7.516	7.516	0.000	41	1240841	12.5	12.9	a
$ 109 2,4,6-Tribromophenol	330	7.586	7.586	0.000	92	356881	25.0	25.5	
110 Sulfotepp	97	7.650	7.650	0.000	78	223795	12.5	13.0	
112 1,3,5-Trinitrobenzene	213	7.755	7.755	0.000	85	129027	12.5	13.7	
113 cis-Diallate	86	7.761	7.761	0.000	0	374800	9.25	8.84	a
114 Phorate	75	7.767	7.767	0.000	95	1102815	12.5	14.4	a
115 Phenacetin	108	7.790	7.790	0.000	92	637904	12.5	13.5	
116 4-Bromophenyl phenyl ether	248	7.831	7.831	0.000	62	324112	12.5	12.0	
117 trans-Diallate	86	7.842	7.842	0.000	0	138236	3.25	3.18	a
118 Hexachlorobenzene	284	7.872	7.872	0.000	94	360476	12.5	12.0	
119 Dimethoate	87	7.924	7.924	0.000	97	515704	12.5	13.9	a
120 Atrazine	200	8.006	8.006	0.000	94	329345	12.5	13.6	a
121 Pentachlorophenol	266	8.070	8.070	0.000	91	486100	25.0	28.1	
123 Pentachloronitrobenzene	237	8.076	8.076	0.000	83	172020	12.5	12.9	
122 4-Aminobiphenyl	169	8.076	8.076	0.000	90	1350123	12.5	13.1	
124 Pronamide	173	8.151	8.151	0.000	90	530635	12.5	13.2	
* 126 Phenanthrene-d10	188	8.239	8.239	0.000	97	602020	5.00	5.00	a
125 Dinoseb	211	8.256	8.256	0.000	93	327794	12.5	13.3	
128 Phenanthrene	178	8.262	8.262	0.000	98	1604289	12.5	12.1	a
127 Disulfoton	88	8.262	8.262	0.000	96	745277	12.5	12.8	
129 Anthracene	178	8.309	8.309	0.000	97	1644779	12.5	12.6	a
130 Carbazole	167	8.472	8.472	0.000	96	1576987	12.5	12.9	
131 Methyl parathion	109	8.618	8.618	0.000	91	428683	12.5	14.5	
133 Di-n-butyl phthalate	149	8.833	8.833	0.000	100	1764218	12.5	13.5	
134 Ethyl Parathion	109	8.991	8.991	0.000	85	250465	12.5	14.3	
135 4-Nitroquinoline-1-oxide	190	9.002	9.002	0.000	90	142170	12.5	12.0	
140 Octachlorostyrene	308	9.212	9.212	0.000	91	142031	12.5	12.7	
141 Isodrin	193	9.235	9.235	0.000	94	190326	12.5	12.2	a
143 Fluoranthene	202	9.381	9.381	0.000	98	1762499	12.5	12.7	a
147 Benzidine	184	9.533	9.533	0.000	99	3699378	37.5	41.3	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	99	600230	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	98	1829662	12.5	11.9	a
S 136 Diallate	86				0		12.5	12.0	
$ 152 p-Terphenyl-d14	244	9.766	9.766	0.000	100	2264055	25.0	24.5	
154 p-Dimethylamino azobenzene	225	9.906	9.906	0.000	93	306190	12.5	13.4	
155 Chlorobenzilate	139	9.958	9.958	0.000	88	578305	12.5	13.6	
156 3,3'-Dimethylbenzidine	212	10.226	10.226	0.000	99	1010060	12.5	13.2	
157 Butyl benzyl phthalate	149	10.261	10.261	0.000	97	775590	12.5	13.7	
158 2-Acetylaminofluorene	181	10.477	10.477	0.000	94	655330	12.5	12.6	
159 3,3'-Dichlorobenzidine	252	10.780	10.780	0.000	75	634914	12.5	13.7	
161 Benzo[a]anthracene	228	10.780	10.780	0.000	99	1587192	12.5	13.2	
160 4,4'-Methylene bis(2-chloroani	231	10.792	10.792	0.000	96	352995	12.5	13.6	
162 Chrysene	228	10.821	10.821	0.000	97	1488623	12.5	12.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	95	1060654	12.5	13.7	
164 6-Methylchrysene	242	11.334	11.334	0.000	99	1037579	12.5	12.8	
165 Di-n-octyl phthalate	149	11.660	11.660	0.000	98	1574025	12.5	13.5	
166 7,12-Dimethylbenz(a)anthracene	256	12.039	12.039	0.000	89	686948	12.5	13.4	
167 Benzo[b]fluoranthene	252	12.039	12.039	0.000	97	1560028	12.5	13.4	
168 Benzo[k]fluoranthene	252	12.074	12.074	0.000	99	1518567	12.5	12.5	
169 Benzo[a]pyrene	252	12.447	12.447	0.000	77	1409678	12.5	13.4	
* 170 Perylene-d12	264	12.517	12.517	0.000	98	479703	5.00	5.00	
171 3-Methylcholanthrene	268	12.925	12.925	0.000	91	689498	12.5	13.5	
172 Dibenz[a,h]acridine	279	13.659	13.659	0.000	91	1047796	12.5	13.5	
173 Dibenz[a,j]acridine	279	13.729	13.729	0.000	96	1157313	12.5	13.7	
174 Indeno[1,2,3-cd]pyrene	276	13.951	13.951	0.000	99	1258102	12.5	13.3	
175 Dibenz(a,h)anthracene	278	13.992	13.992	0.000	93	1306865	12.5	13.1	
176 Benzo[g,h,i]perylene	276	14.301	14.301	0.000	98	1313677	12.5	13.0	
S 178 Dinitrotoluene	165				0		25.0	26.1	
S 182 Isosafrole	162				0		12.5	12.9	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MSS_RV8270_6_00068 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 08:26:57 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D

Injection Date: 25-Jun-2025 23:30:30 Instrument ID: HP19760 Operator ID: IR93211

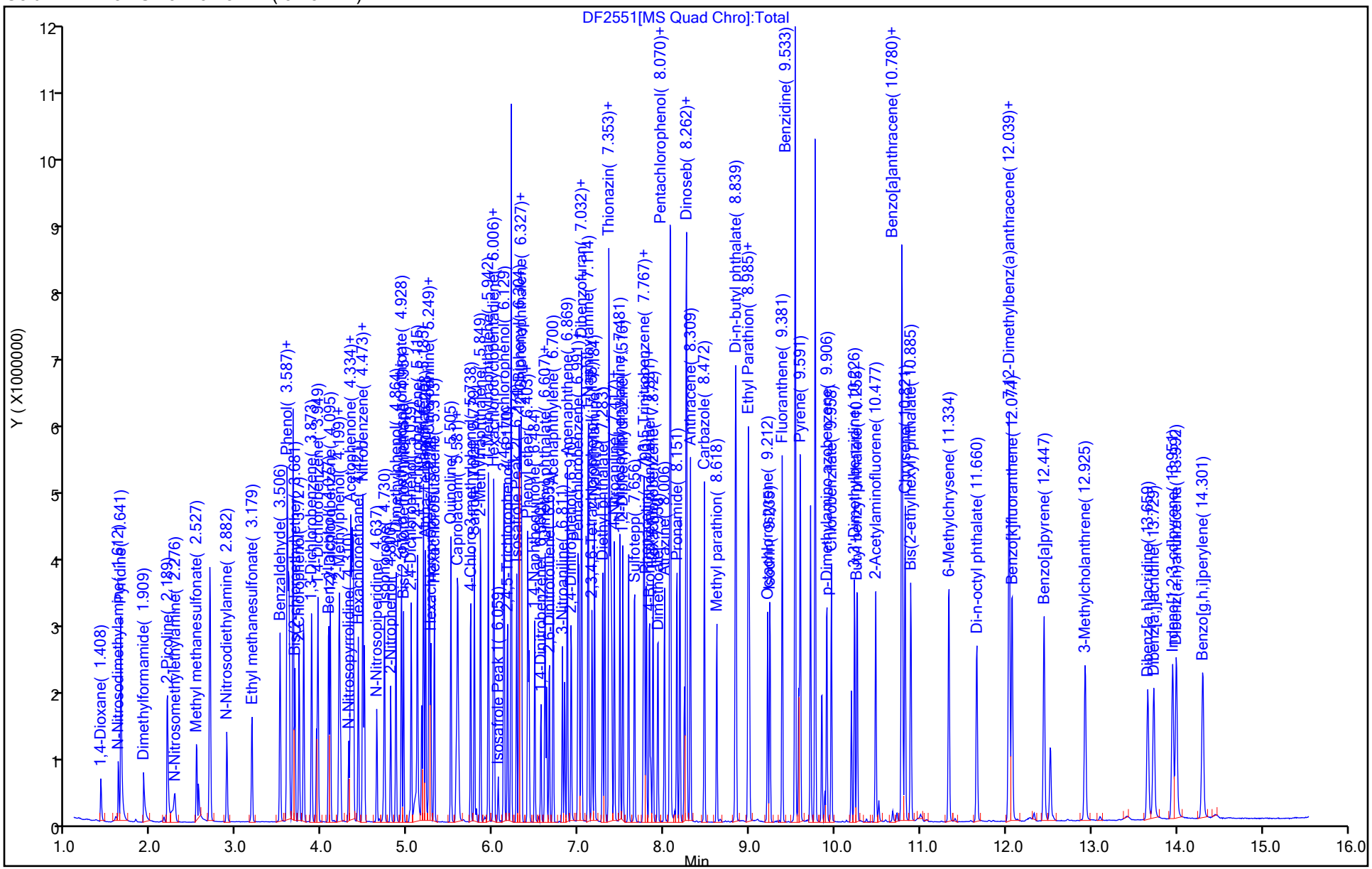
Lims ID: ICIS L6 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

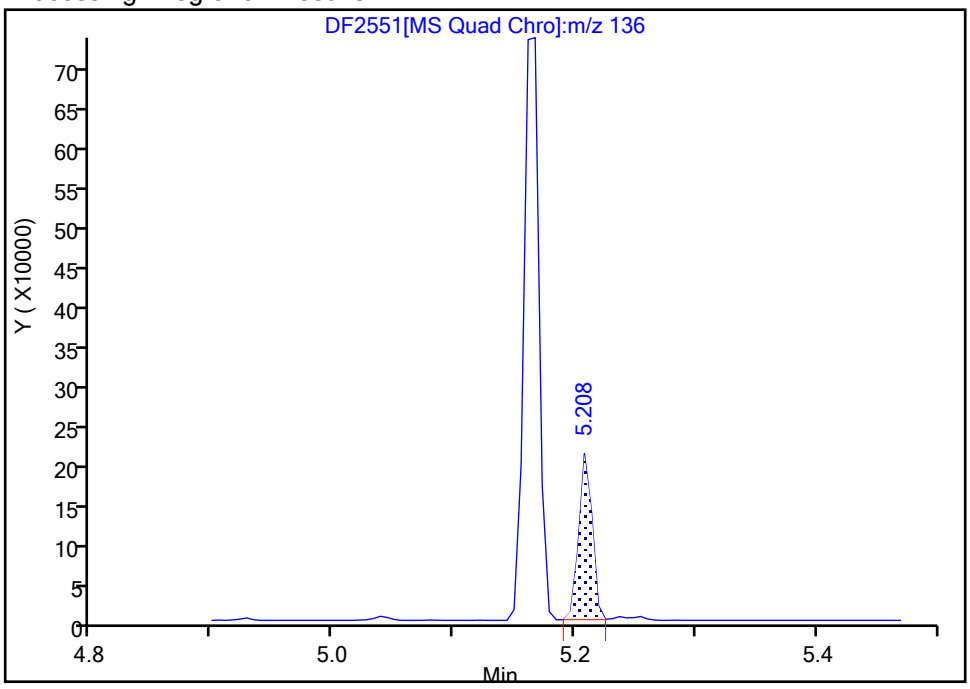
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

* 50 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

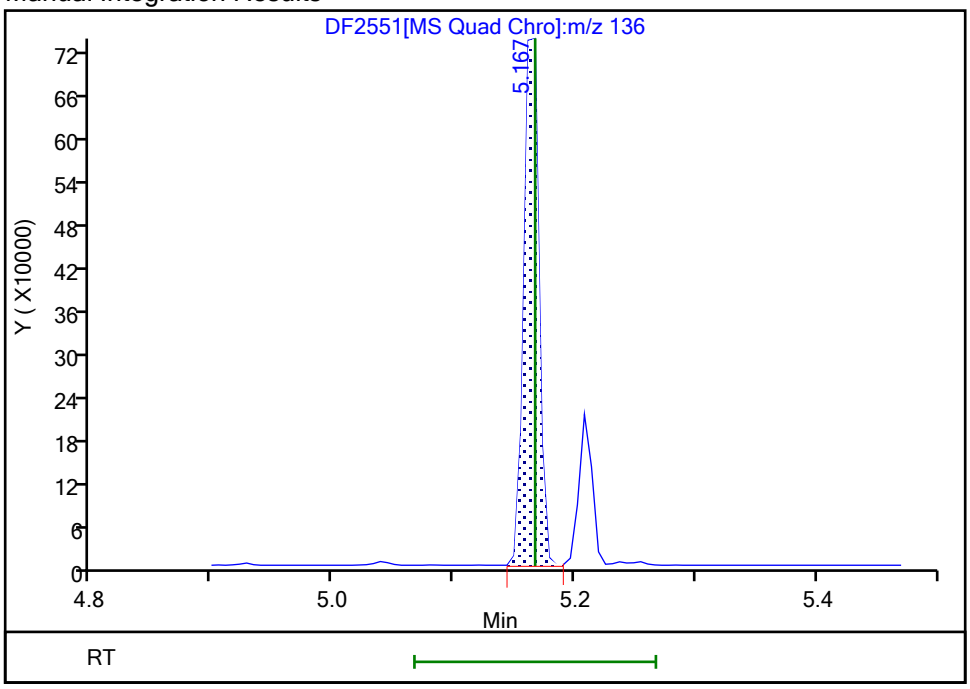
Processing Integration Results

RT: 5.21
Area: 162443
Amount: 5.000000
Amount Units: ug/ml



Manual Integration Results

RT: 5.17
Area: 653513
Amount: 5.000000
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:11:32 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

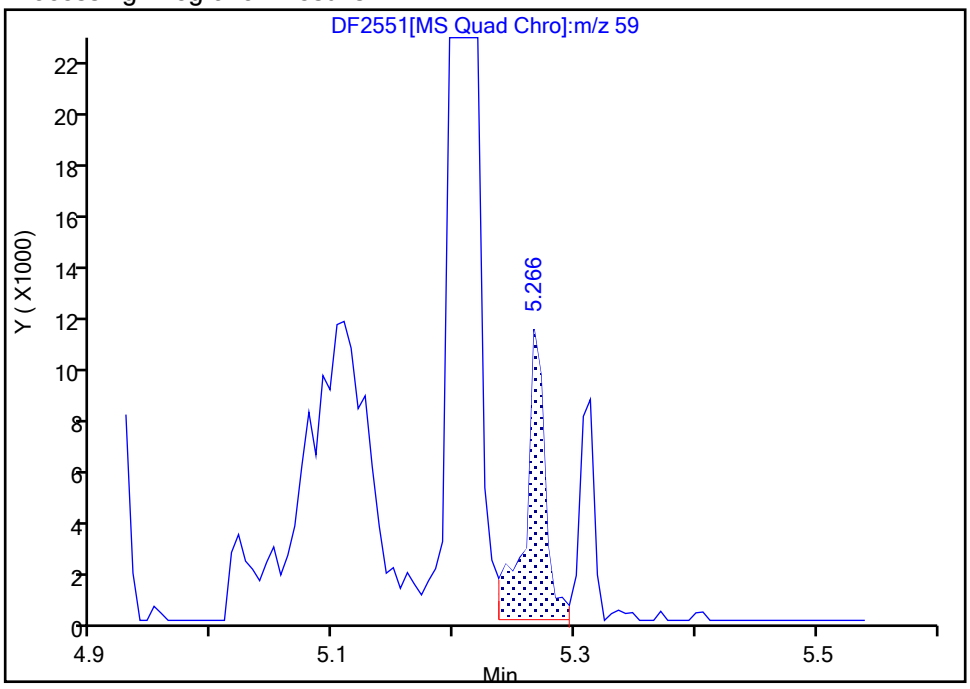
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

52 Alpha-Terpineol, CAS: 98-55-5

Signal: 1

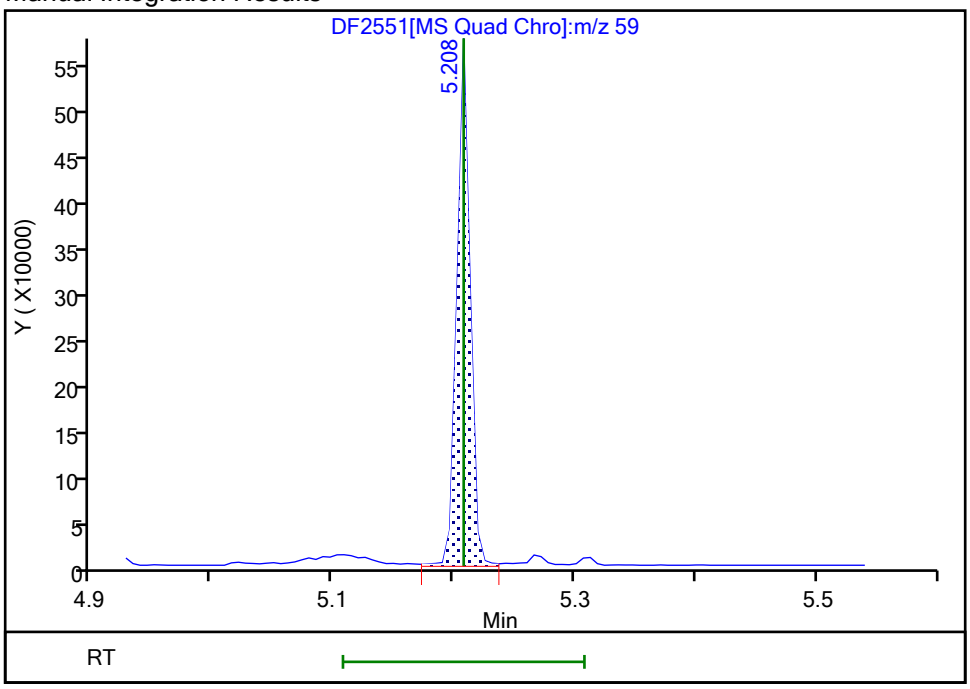
Processing Integration Results

RT: 5.27
Area: 12463
Amount: 0.006754
Amount Units: ug/ml



Manual Integration Results

RT: 5.21
Area: 435389
Amount: 12.846685
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:12:02 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

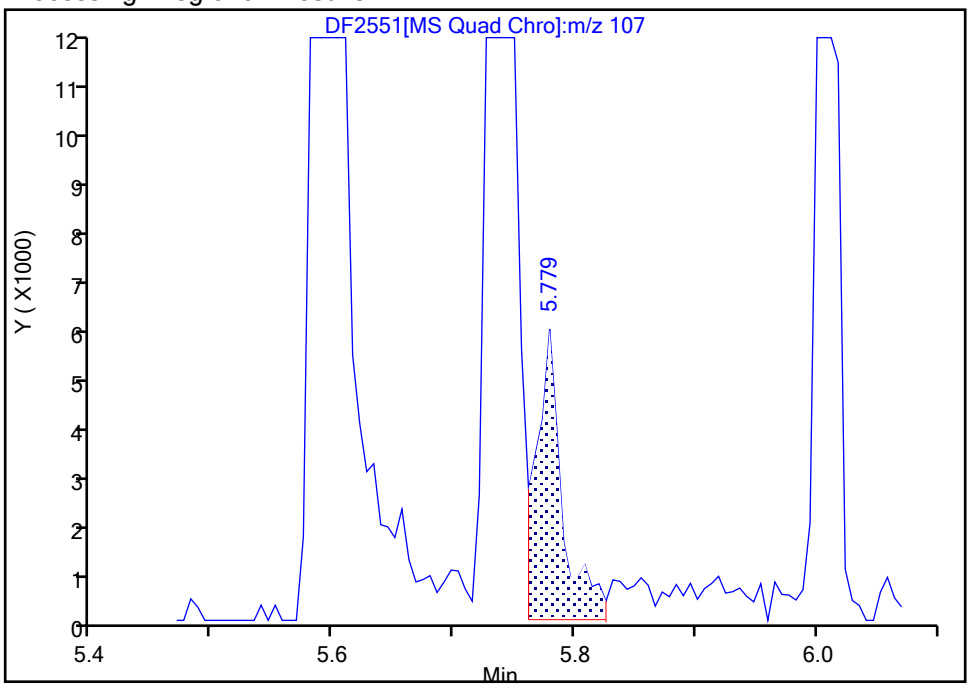
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

64 4-Chloro-3-methylphenol, CAS: 59-50-7

Signal: 1

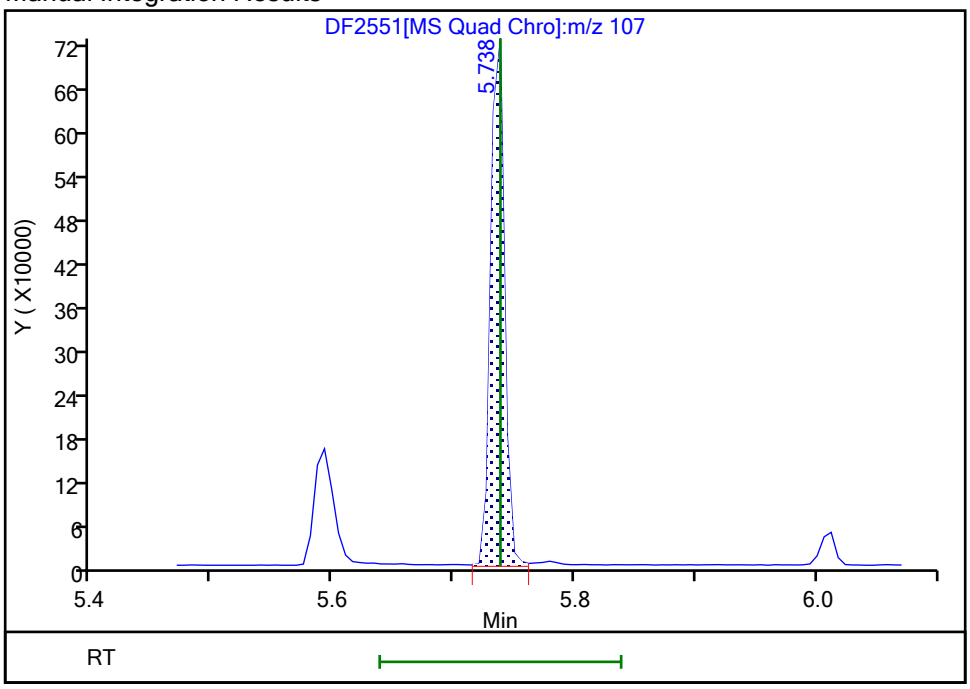
Processing Integration Results

RT: 5.78
Area: 8045
Amount: 0.003633
Amount Units: ug/ml



Manual Integration Results

RT: 5.74
Area: 575080
Amount: 13.460912
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:12:25 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

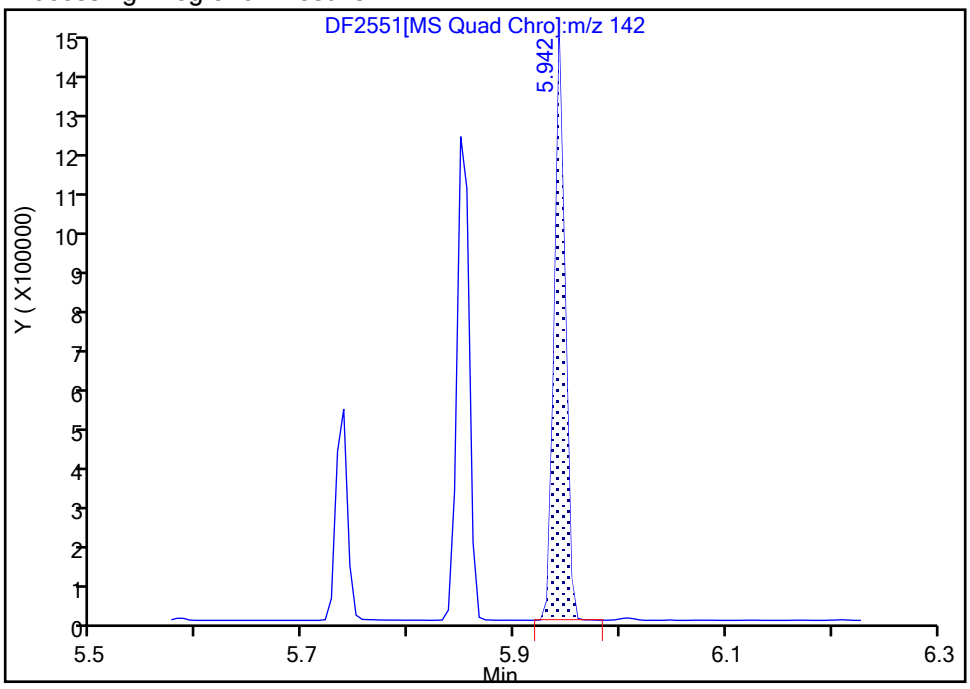
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

66 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

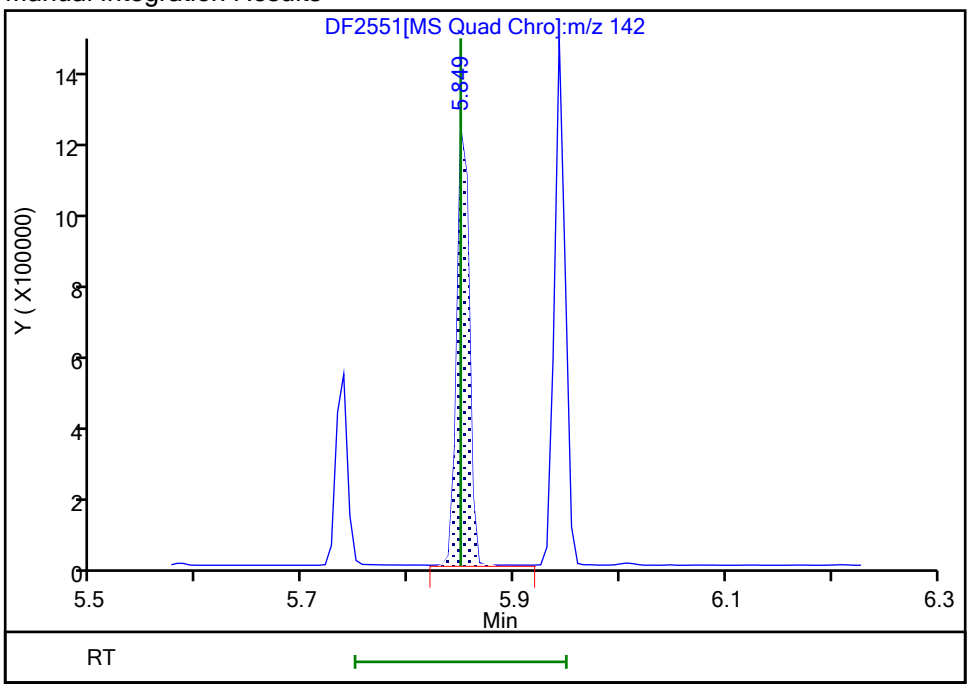
Processing Integration Results

RT: 5.94
Area: 1029026
Amount: 0.213643
Amount Units: ug/ml



Manual Integration Results

RT: 5.85
Area: 979655
Amount: 12.401255
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:12:19 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

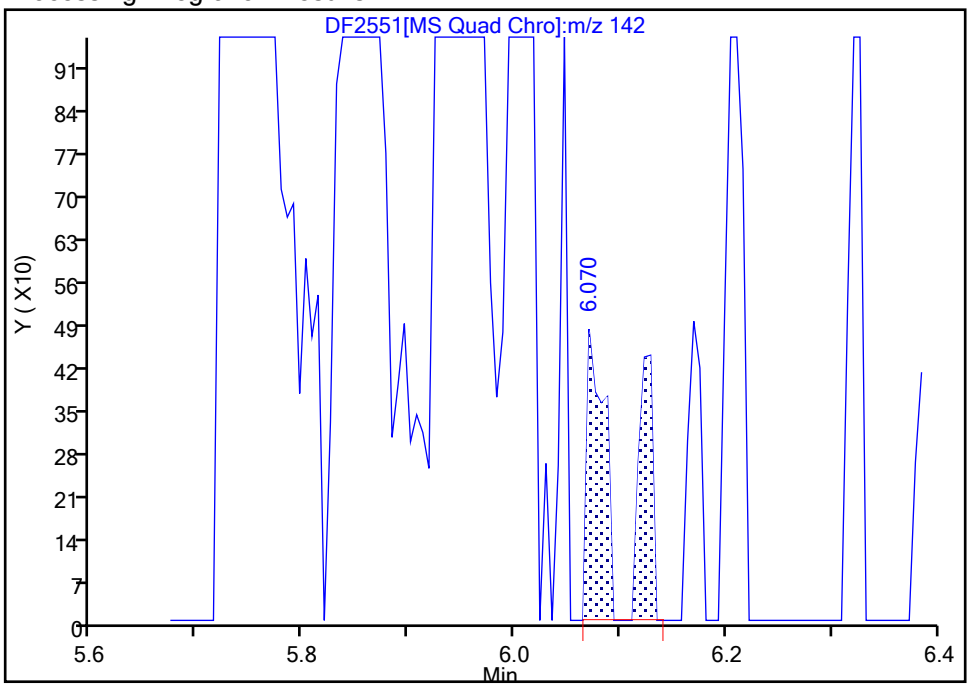
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

67 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

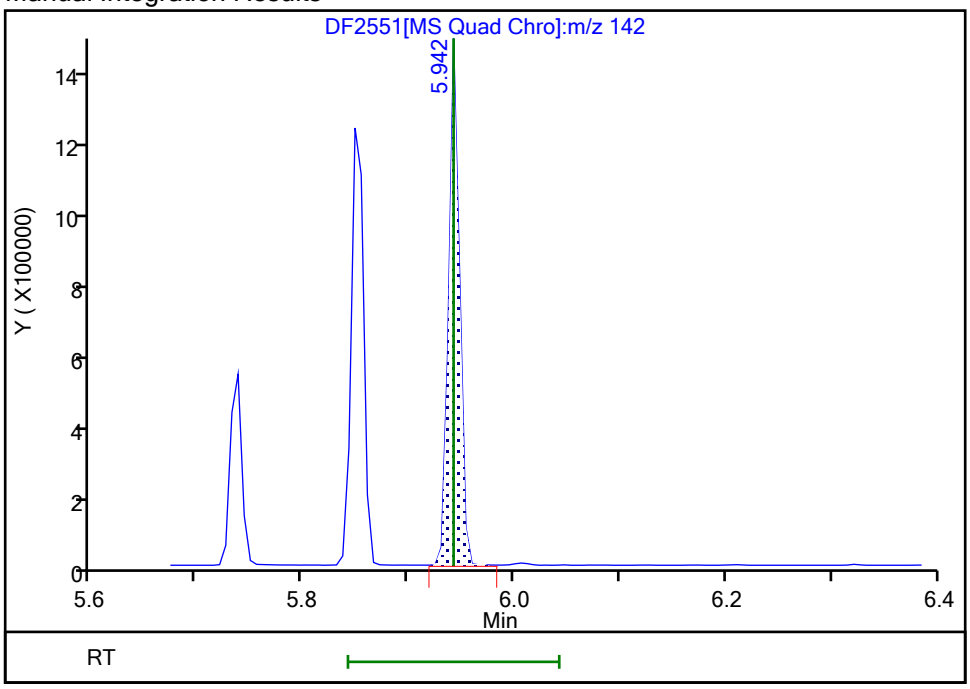
Processing Integration Results

RT: 6.07
Area: 948
Amount: 0.071308
Amount Units: ug/ml



Manual Integration Results

RT: 5.94
Area: 1029026
Amount: 12.495043
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:12:40 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

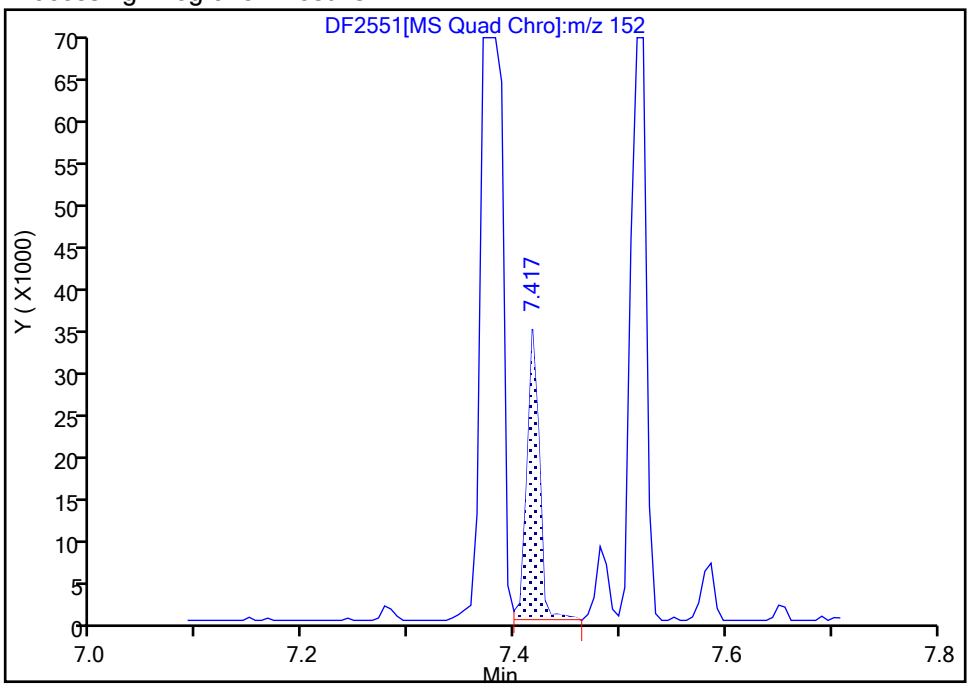
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

104 N-Nitro-o-toluidine, CAS: 99-55-8

Signal: 1

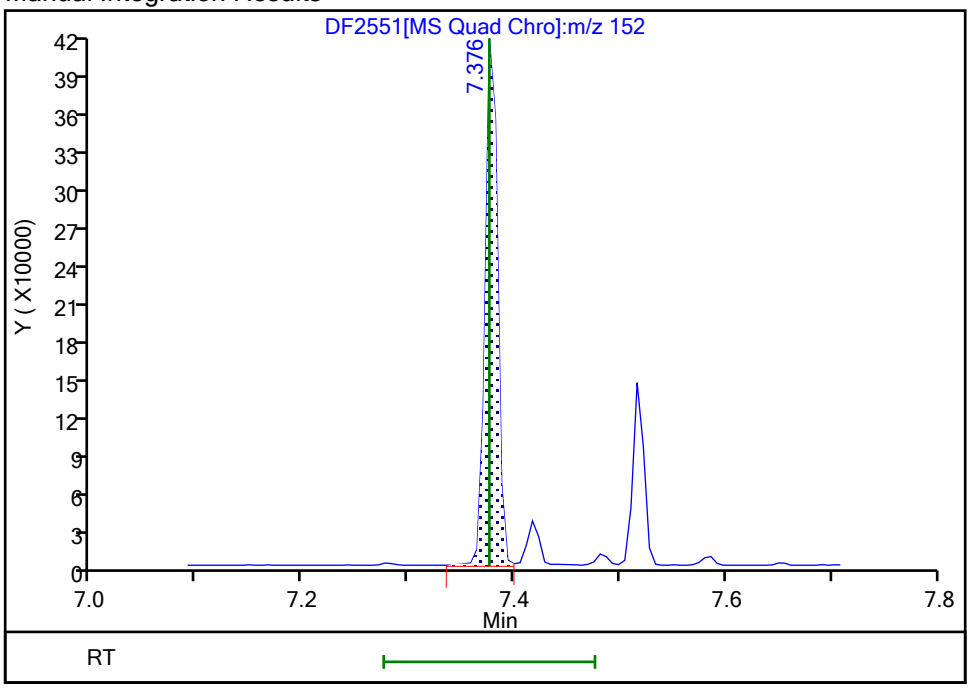
Processing Integration Results

RT: 7.42
Area: 28273
Amount: 7.742557
Amount Units: ug/ml



Manual Integration Results

RT: 7.38
Area: 339976
Amount: 13.240296
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:13:04 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

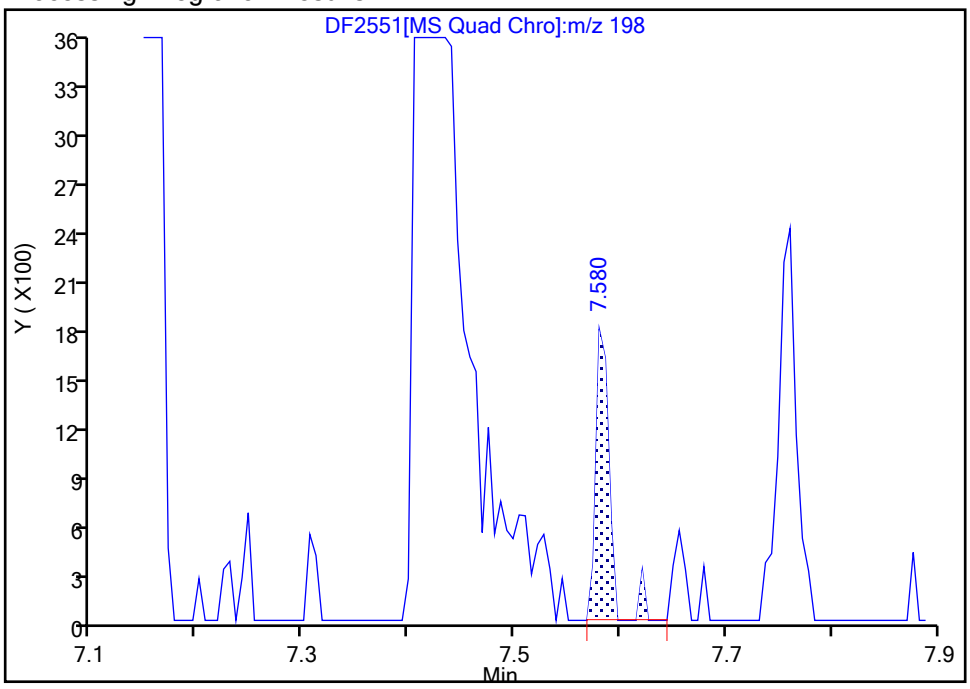
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

106 4,6-Dinitro-2-methylphenol, CAS: 534-52-1

Signal: 1

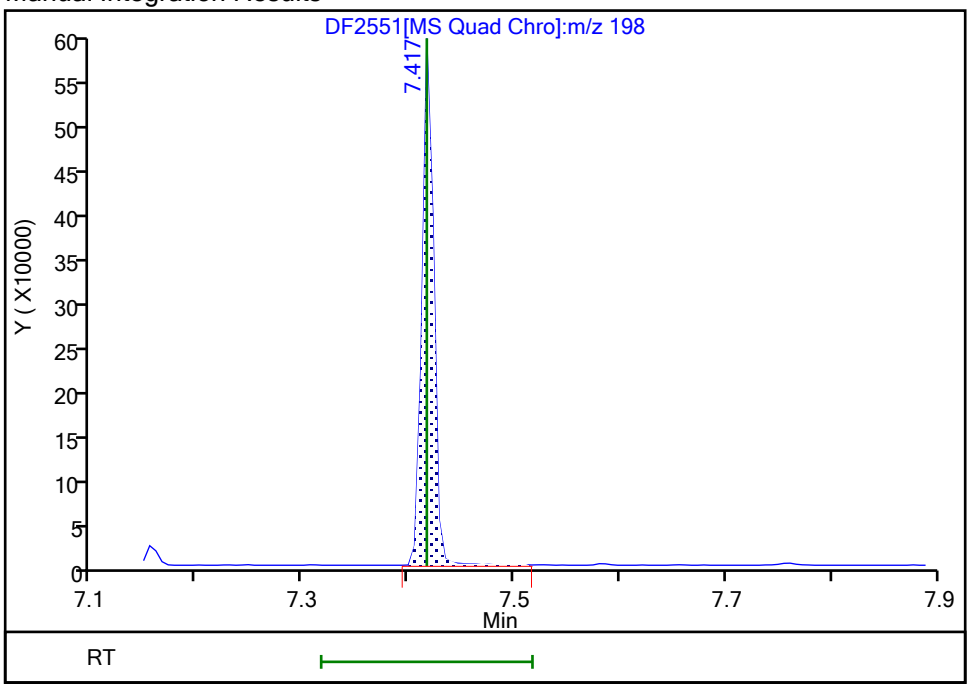
Processing Integration Results

RT: 7.58
Area: 1586
Amount: 0.260293
Amount Units: ug/ml



Manual Integration Results

RT: 7.42
Area: 454305
Amount: 26.916224
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:13:20 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

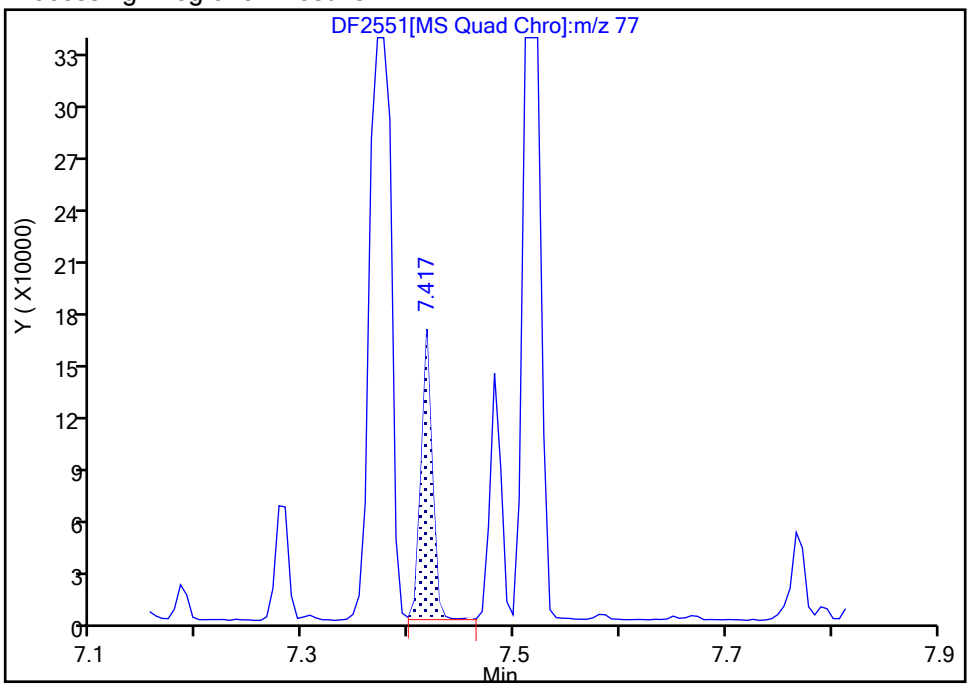
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

108 1,2-Diphenylhydrazine, CAS: 122-66-7

Signal: 1

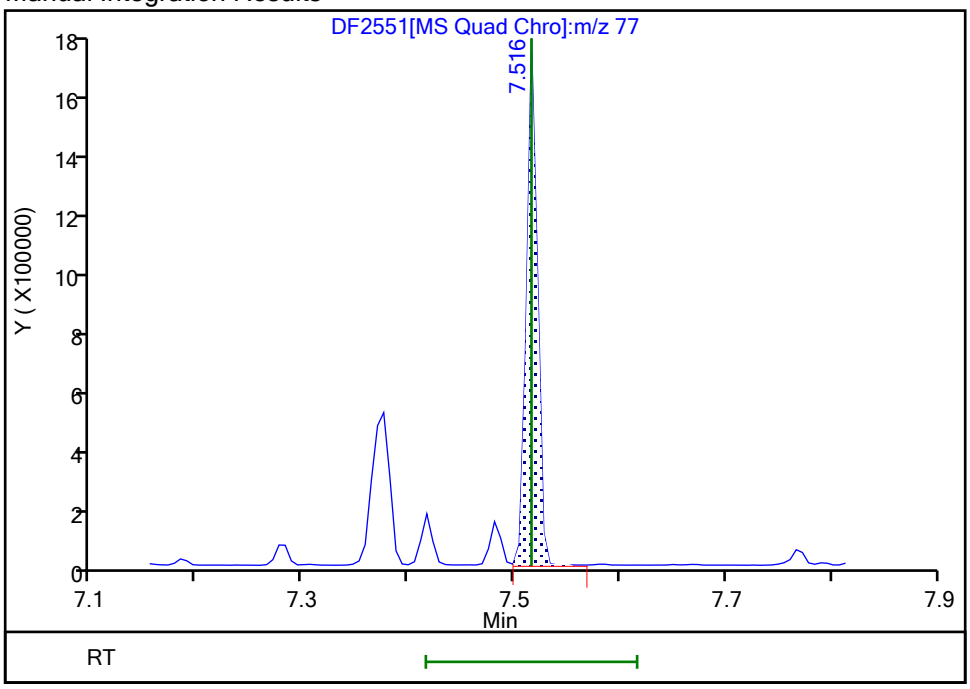
Processing Integration Results

RT: 7.42
Area: 124835
Amount: 0.064954
Amount Units: ug/ml



Manual Integration Results

RT: 7.52
Area: 1240841
Amount: 12.857363
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:13:14 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

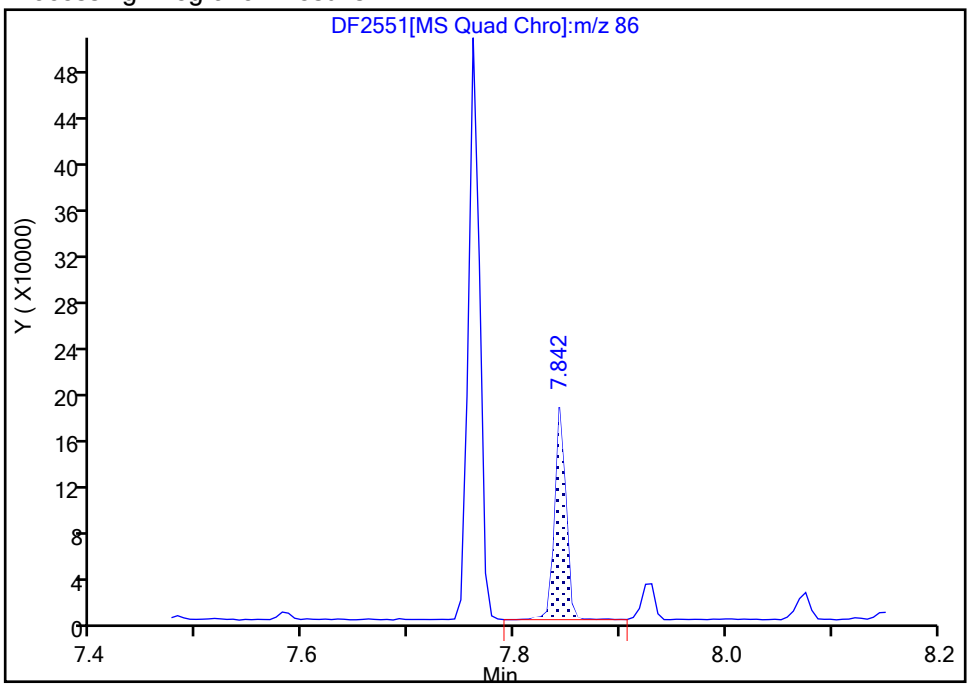
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

113 cis-Diallate, CAS: 17708-57-5

Signal: 1

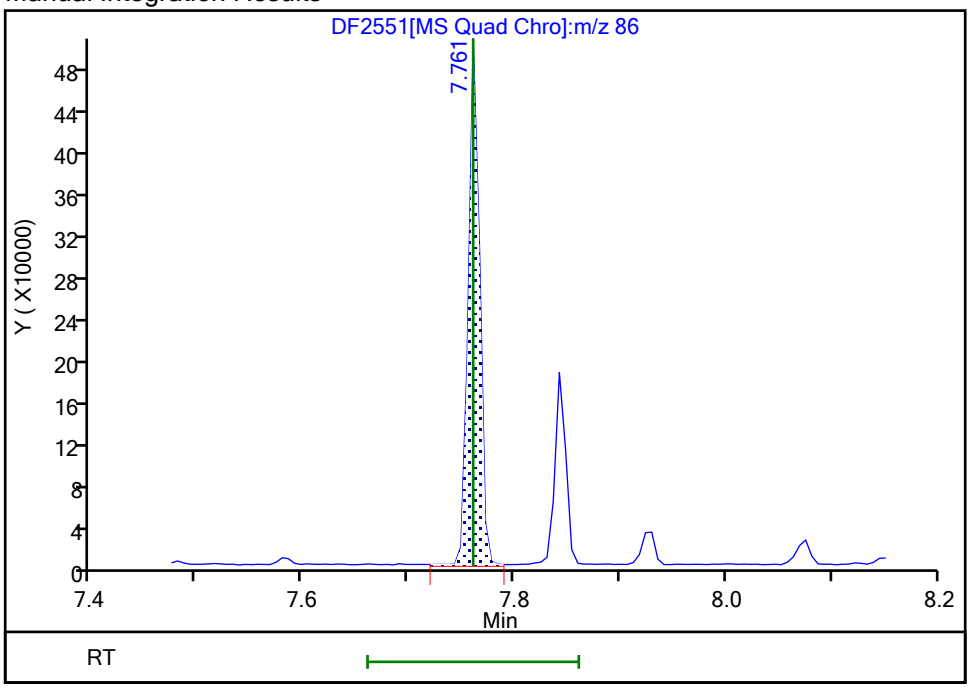
Processing Integration Results

RT: 7.84
Area: 138236
Amount: 0.062865
Amount Units: ug/ml



Manual Integration Results

RT: 7.76
Area: 374800
Amount: 8.843584
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:13:35 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

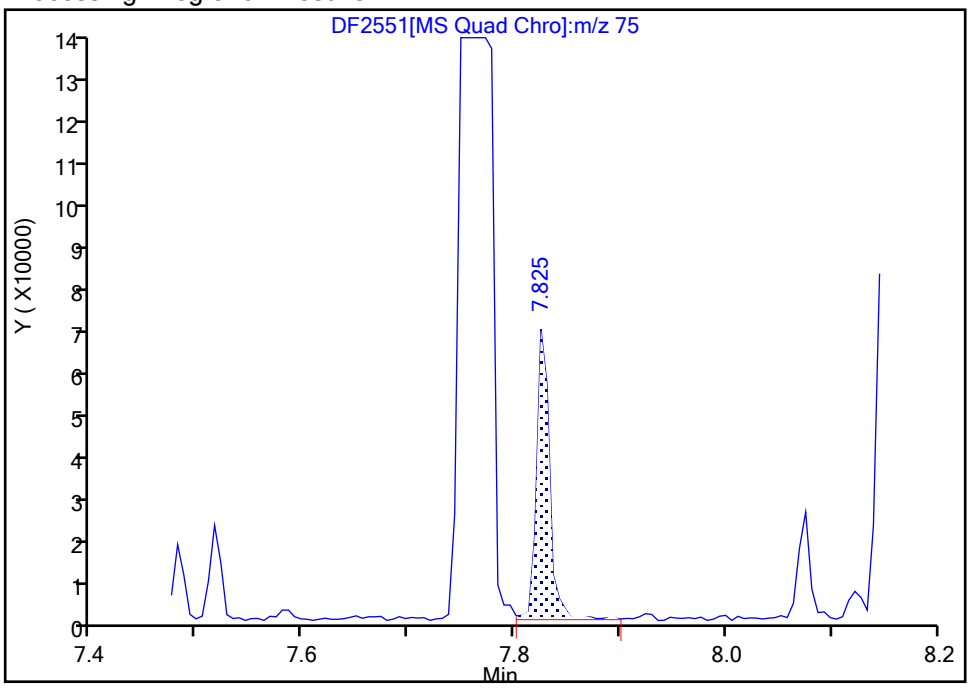
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

114 Phorate, CAS: 298-02-2

Signal: 1

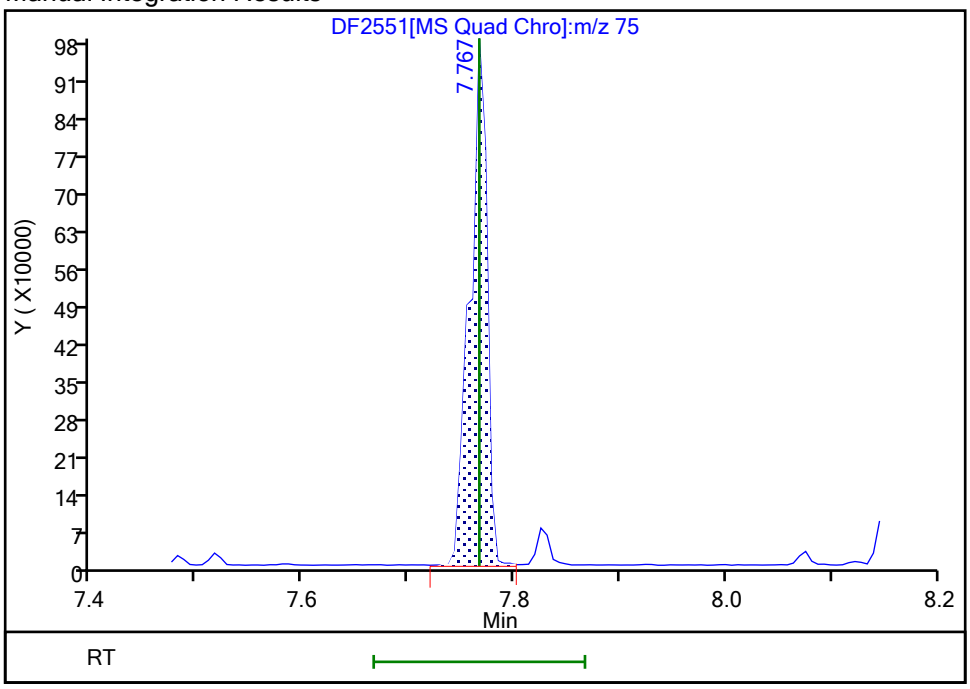
Processing Integration Results

RT: 7.82
Area: 60924
Amount: 0.109171
Amount Units: ug/ml



Manual Integration Results

RT: 7.77
Area: 1102815
Amount: 14.397778
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:13:30 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

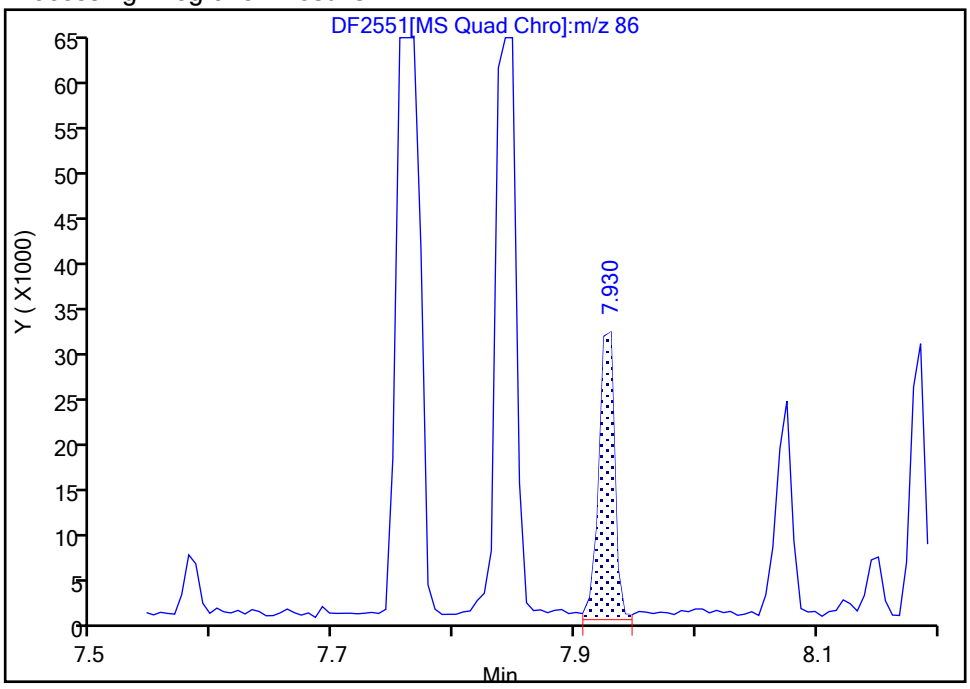
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D
Injection Date: 25-Jun-2025 23:30:30 Instrument ID: HP19760
Lims ID: ICIS L6
Client ID:
Operator ID: IR93211 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

117 trans-Diallate, CAS: 17708-58-6

Signal: 1

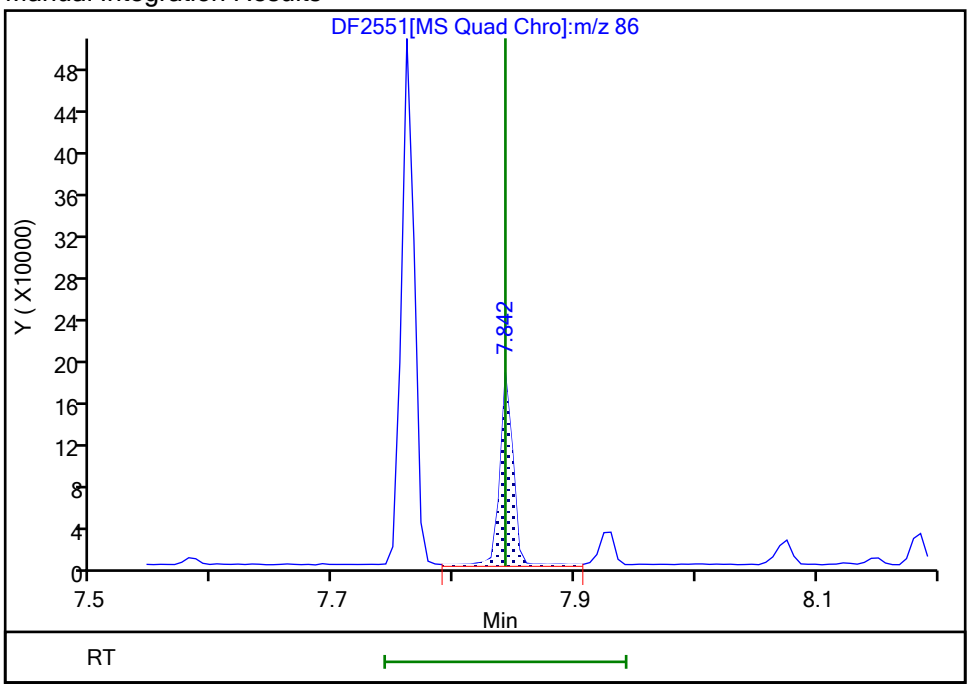
Processing Integration Results

RT: 7.93
Area: 28836
Amount: 0.015960
Amount Units: ug/ml



Manual Integration Results

RT: 7.84
Area: 138236
Amount: 3.179525
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:13:38 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

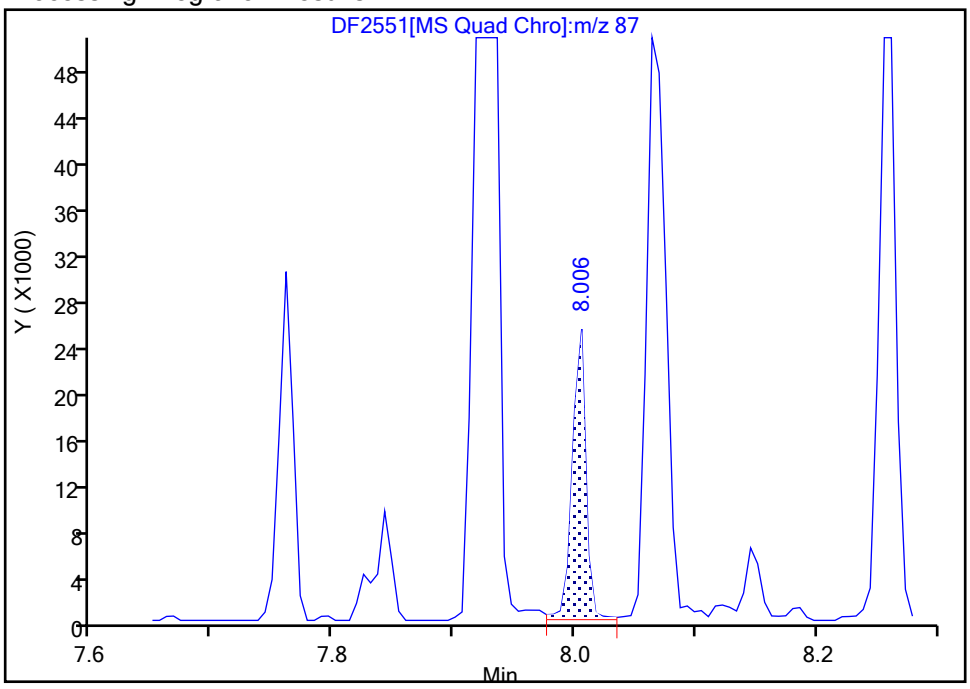
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

119 Dimethoate, CAS: 60-51-5

Signal: 1

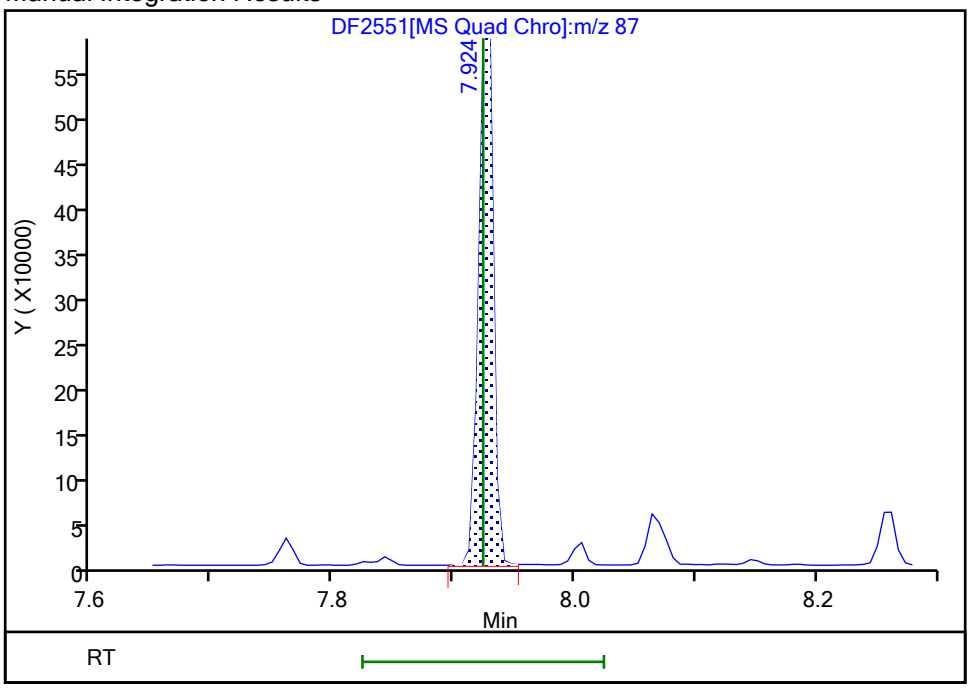
Processing Integration Results

RT: 8.01
Area: 19872
Amount: 0.159331
Amount Units: ug/ml



Manual Integration Results

RT: 7.92
Area: 515704
Amount: 13.913280
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:13:40 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

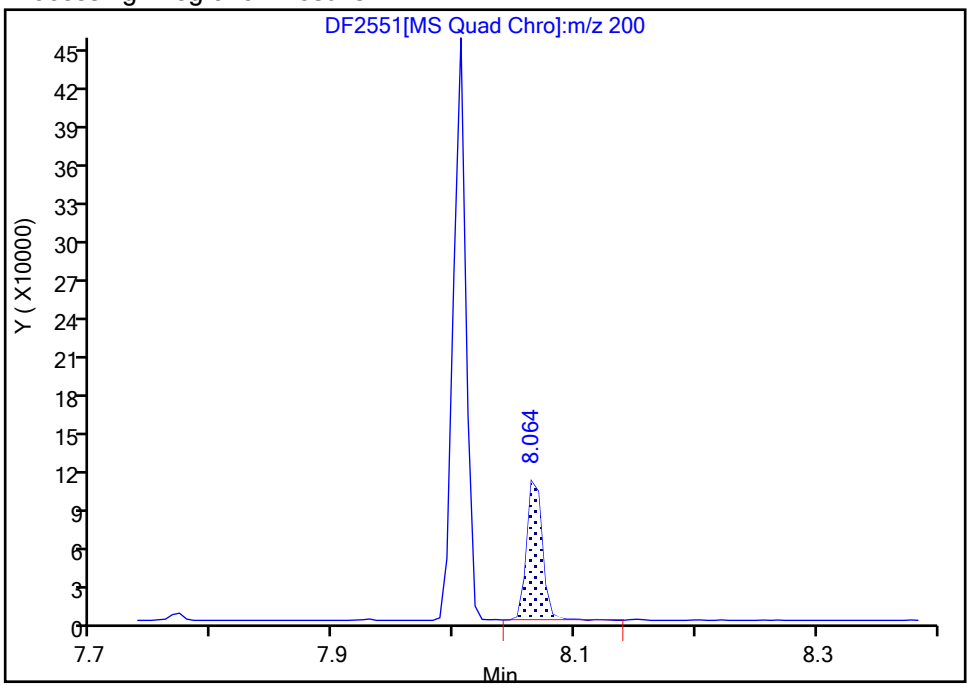
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

120 Atrazine, CAS: 1912-24-9

Signal: 1

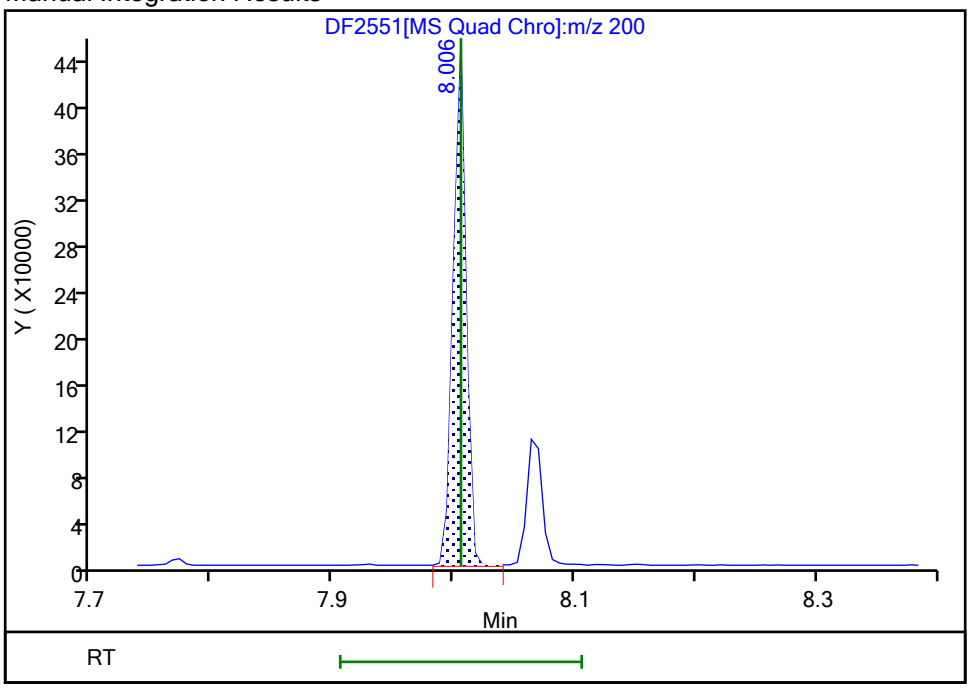
Processing Integration Results

RT: 8.06
Area: 98596
Amount: 0.099939
Amount Units: ug/ml



Manual Integration Results

RT: 8.01
Area: 329345
Amount: 13.556506
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:13:42 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

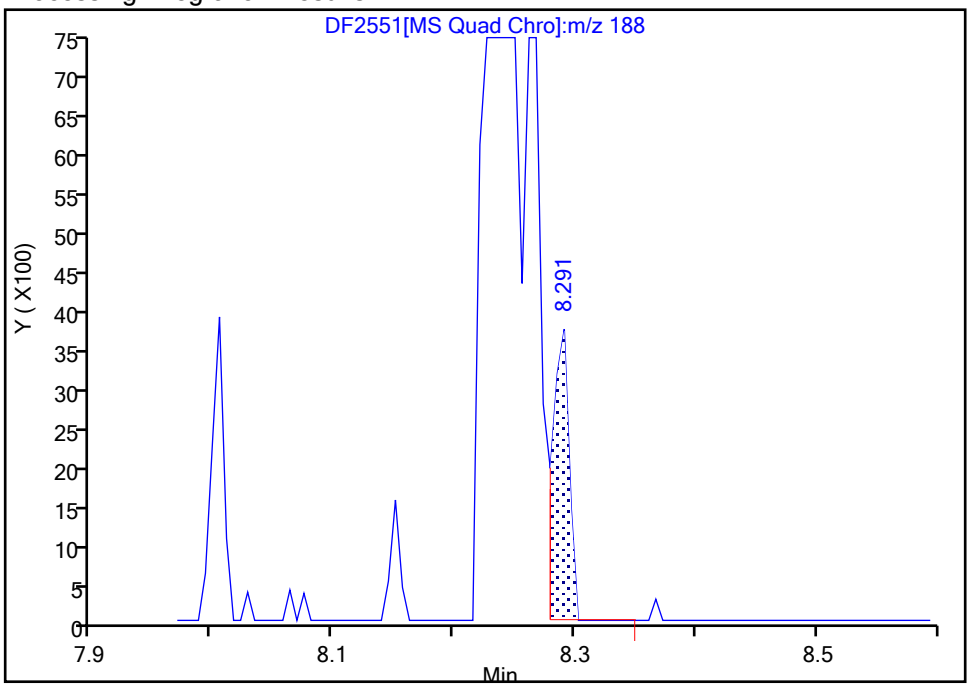
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

* 126 Phenanthrene-d10, CAS: 1517-22-2

Signal: 1

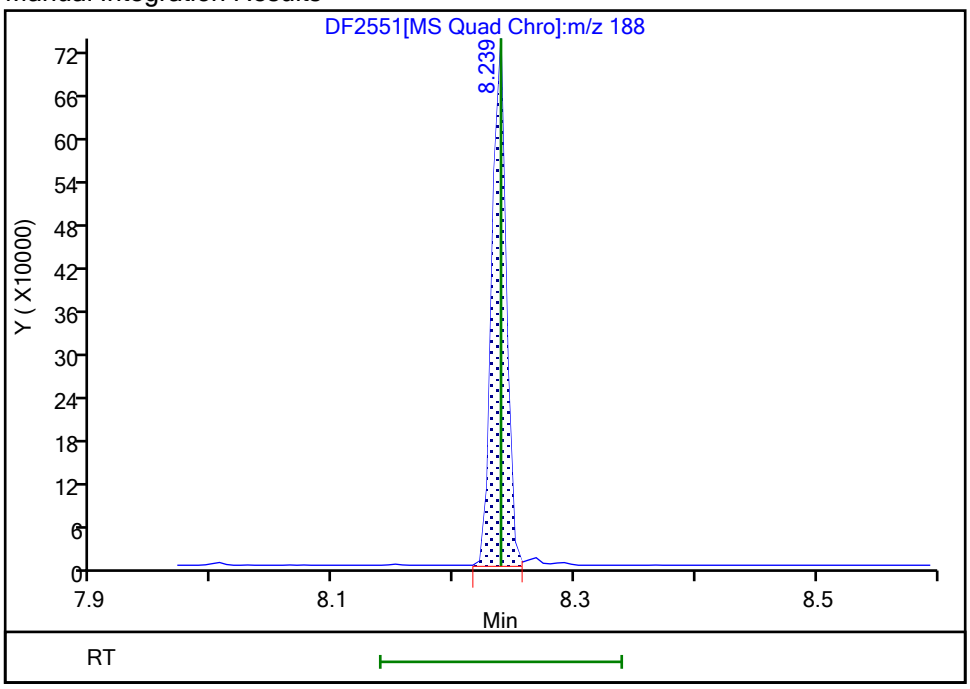
Processing Integration Results

RT: 8.29
Area: 3246
Amount: 5.000000
Amount Units: ug/ml



Manual Integration Results

RT: 8.24
Area: 602020
Amount: 5.000000
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:11:35 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

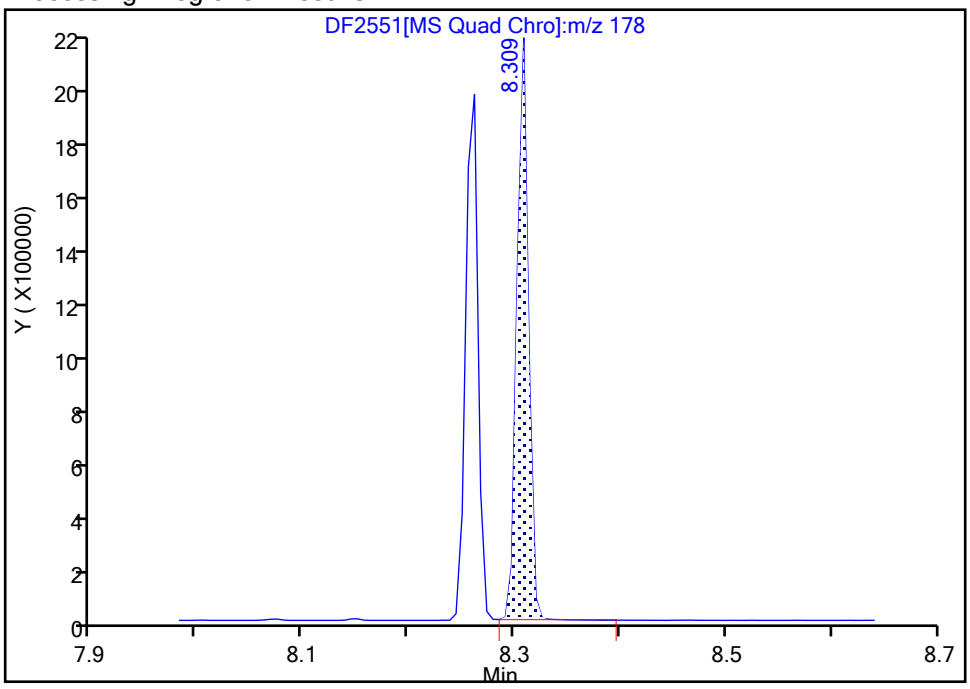
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

128 Phenanthrene, CAS: 85-01-8

Signal: 1

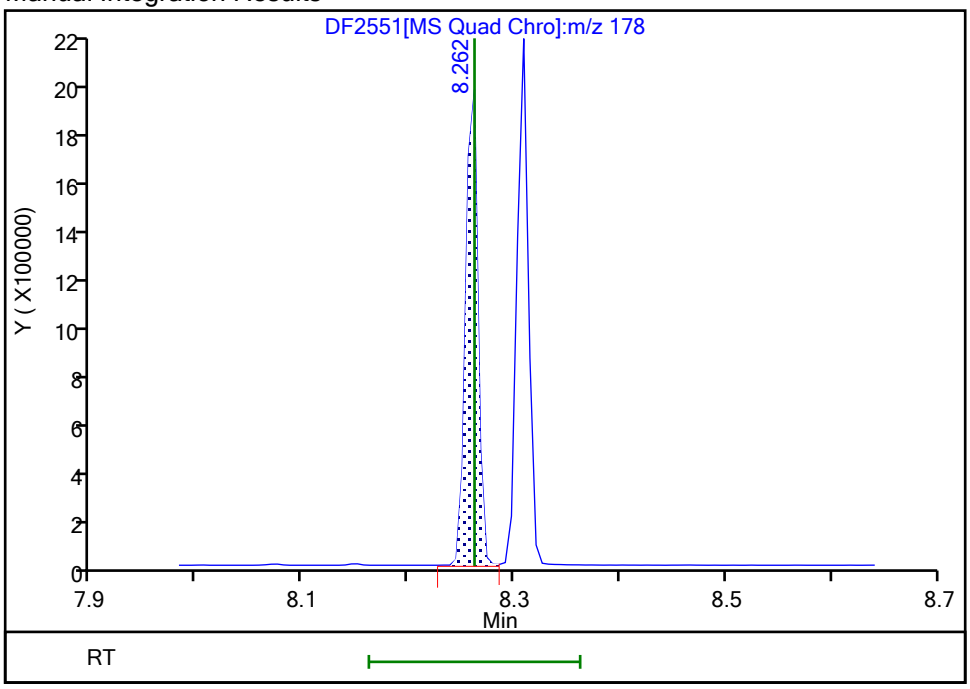
Processing Integration Results

RT: 8.31
Area: 1644779
Amount: 0.114637
Amount Units: ug/ml



Manual Integration Results

RT: 8.26
Area: 1604289
Amount: 12.064702
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:13:52 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

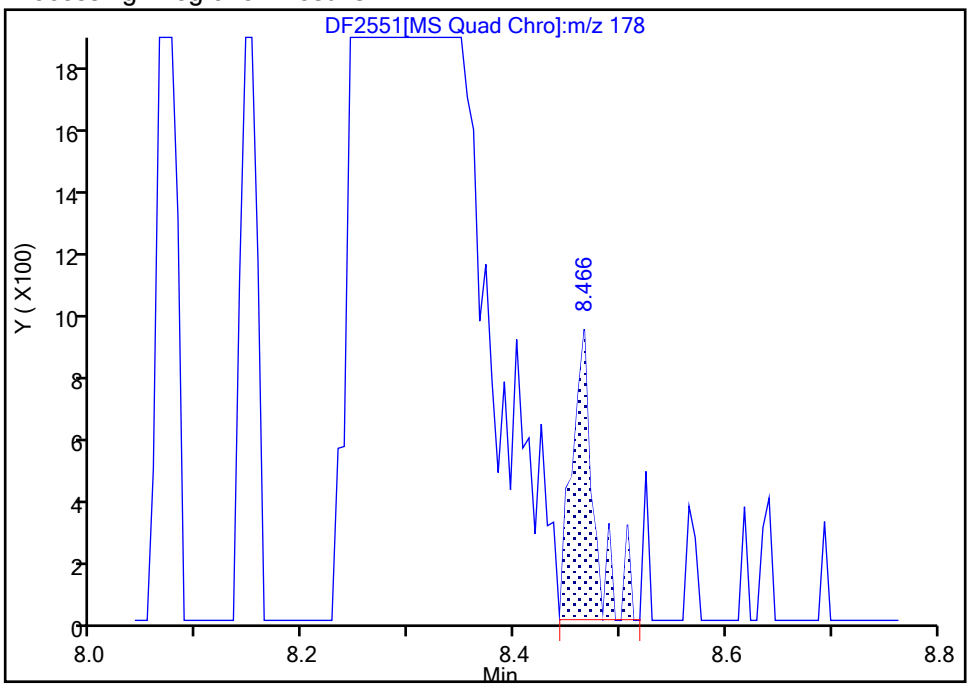
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

129 Anthracene, CAS: 120-12-7

Signal: 1

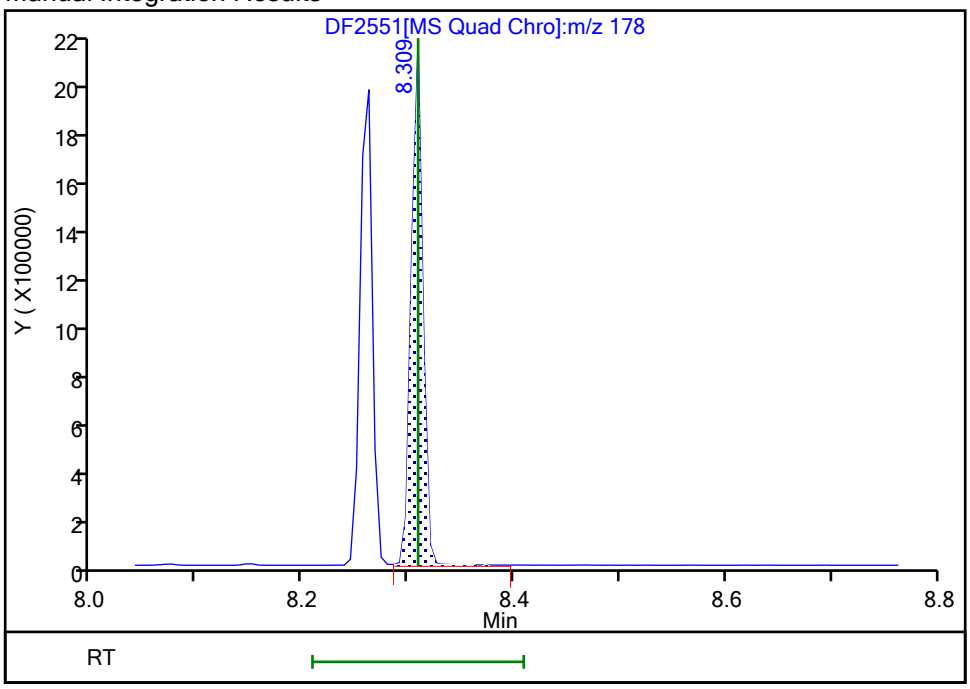
Processing Integration Results

RT: 8.47
Area: 1326
Amount: 0.084316
Amount Units: ug/ml



Manual Integration Results

RT: 8.31
Area: 1644779
Amount: 12.613470
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:13:55 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

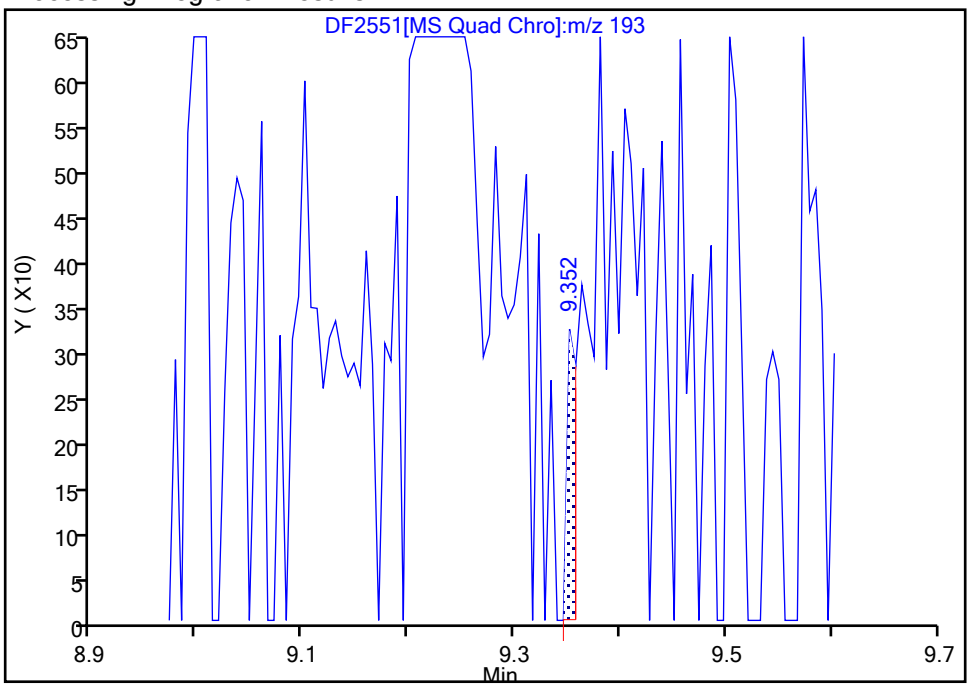
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

141 Isodrin, CAS: 465-73-6

Signal: 1

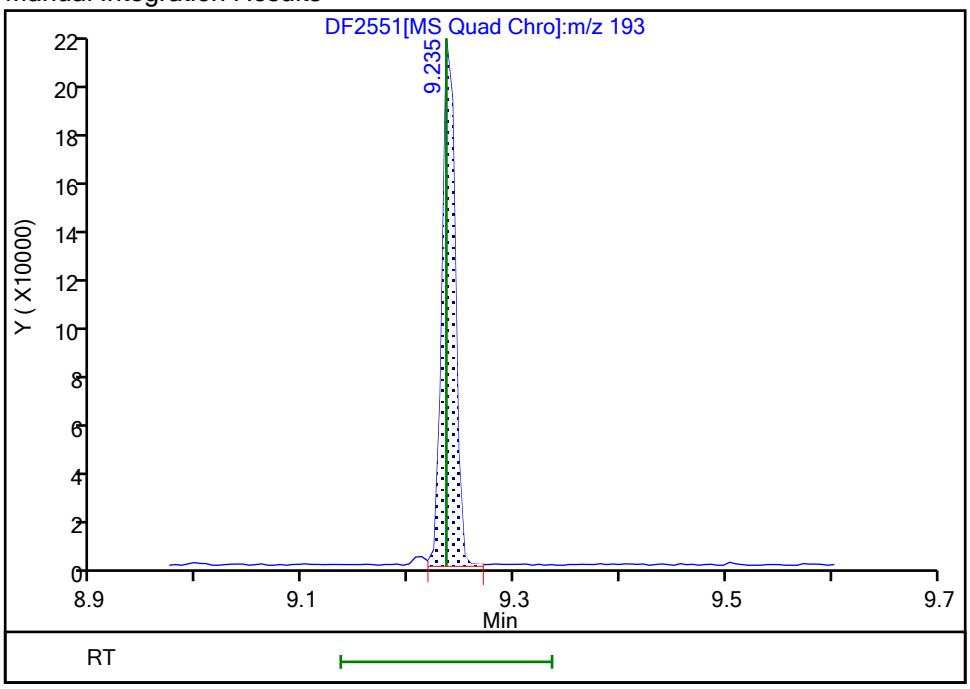
Processing Integration Results

RT: 9.35
Area: 162
Amount: 0.006261
Amount Units: ug/ml



Manual Integration Results

RT: 9.24
Area: 190326
Amount: 12.153657
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:14:05 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

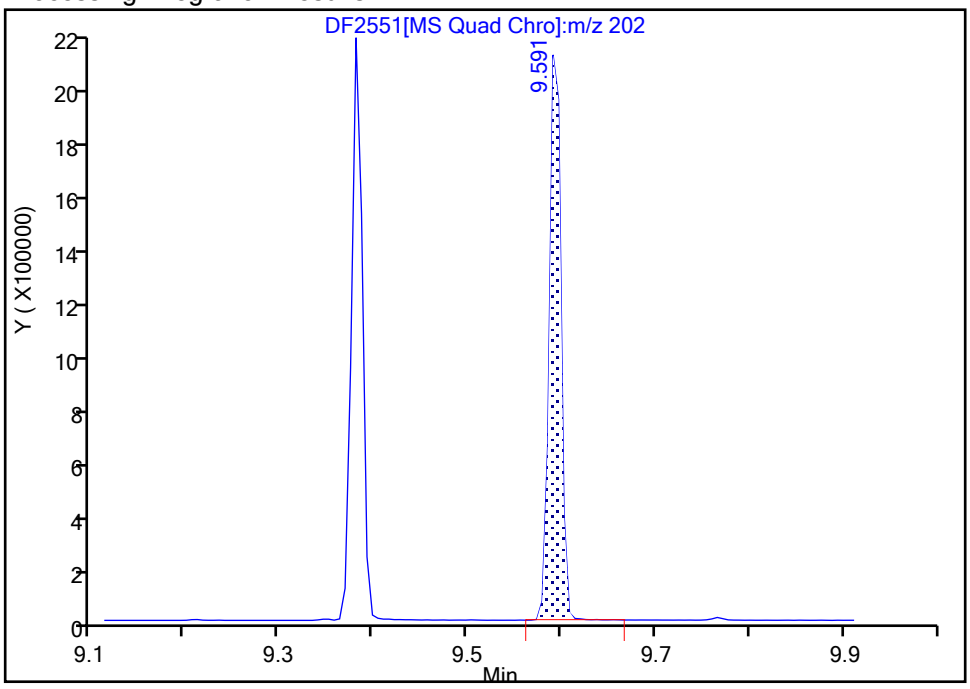
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

143 Fluoranthene, CAS: 206-44-0

Signal: 1

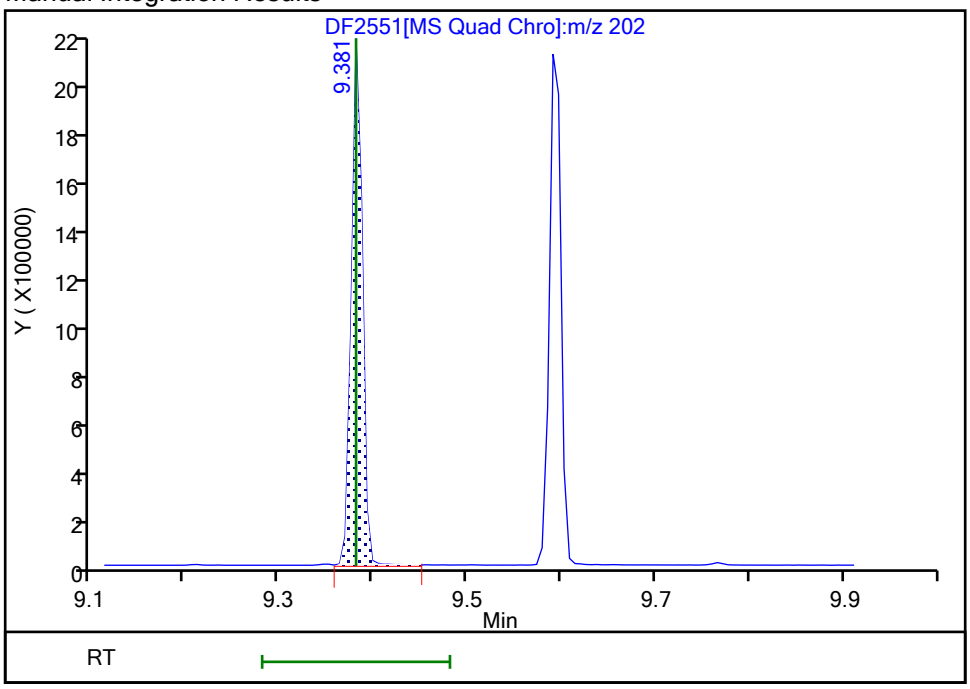
Processing Integration Results

RT: 9.59
Area: 1829662
Amount: 0.106510
Amount Units: ug/ml



Manual Integration Results

RT: 9.38
Area: 1762499
Amount: 12.741434
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:14:12 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

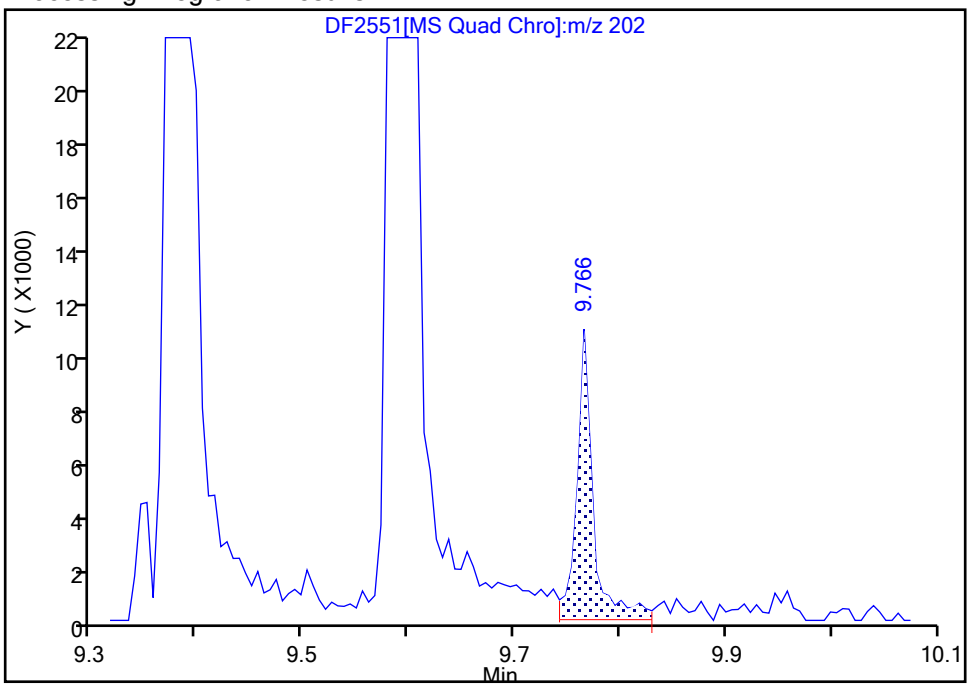
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

150 Pyrene, CAS: 129-00-0

Signal: 1

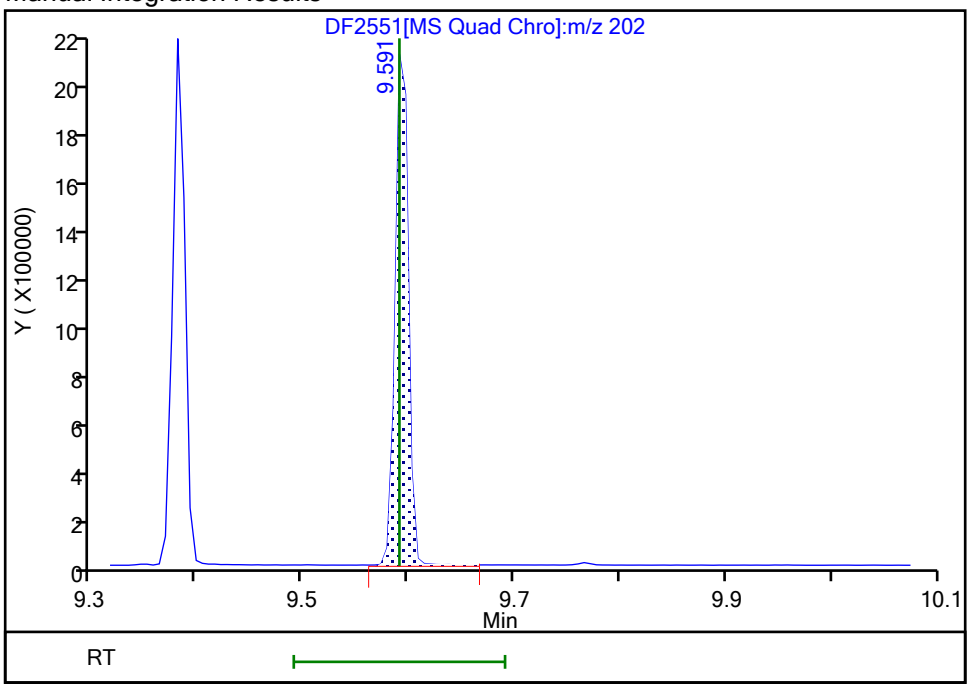
Processing Integration Results

RT: 9.77
Area: 11645
Amount: 13.583981
Amount Units: ug/ml



Manual Integration Results

RT: 9.59
Area: 1829662
Amount: 11.927697
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:14:14 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2552.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 25-Jun-2025 23:57:14 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8
Misc. Info.: 410-0151574-003
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub58

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:27:19 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:07:09

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	2 1,4-Dioxane	88	1.407	1.408	-0.001	90	543159	30.0	30.3	
	3 N-Nitrosodimethylamine	74	1.617	1.612	0.005	88	849517	30.0	33.1	
	4 Pyridine	79	1.640	1.641	-0.001	96	2934748	60.0	64.7	
	6 Dimethylformamide	73	1.903	1.909	-0.006	89	994711	30.0	35.7	
	7 2-Picoline	93	2.188	2.189	-0.001	90	1664535	30.0	32.3	
	8 N-Nitrosomethylethylamine	88	2.276	2.276	0.000	90	699678	30.0	30.8	
	9 Methyl methanesulfonate	80	2.532	2.527	0.005	84	854097	30.0	32.4	
$	10 2-Fluorophenol	112	2.695	2.684	0.011	91	2795900	60.0	65.9	
	11 N-Nitrosodiethylamine	102	2.888	2.882	0.006	84	729550	30.0	32.2	
	12 Ethyl methanesulfonate	109	3.185	3.179	0.006	99	793072	30.0	32.0	
	15 Benzaldehyde	77	3.506	3.506	0.000	97	1109494	30.0	27.8	
$	16 Phenol-d5	99	3.593	3.587	0.006	96	3779098	60.0	64.9	
	17 Phenol	94	3.610	3.605	0.005	92	2066116	30.0	31.4	
	18 Aniline	93	3.616	3.611	0.005	96	2464951	30.0	31.6	
	19 Bis(2-chloroethyl)ether	93	3.686	3.681	0.005	99	1468495	30.0	30.8	
	20 2-Chlorophenol	128	3.733	3.727	0.006	94	1390335	30.0	32.4	
	21 1,3-Dichlorobenzene	146	3.879	3.873	0.006	95	1504842	30.0	30.9	
*	22 1,4-Dichlorobenzene-d4	152	3.937	3.931	0.006	95	162337	5.00	5.00	
	23 1,4-Dichlorobenzene	146	3.949	3.949	-0.001	92	1519405	30.0	31.5	
	25 Benzyl alcohol	108	4.077	4.077	0.000	91	975815	30.0	33.0	
	26 1,2-Dichlorobenzene	146	4.094	4.095	-0.001	96	1424811	30.0	30.9	
	28 2-Methylphenol	108	4.205	4.199	0.006	93	1340971	30.0	32.8	
	29 2,2'-oxybis[1-chloropropane]	45	4.211	4.211	0.000	93	1315296	30.0	30.7	
	31 N-Nitrosopyrrolidine	100	4.322	4.310	0.012	86	786646	30.0	32.7	
	34 Acetophenone	105	4.333	4.328	0.005	94	2098969	30.0	30.8	
	33 N-Nitrosodi-n-propylamine	70	4.345	4.339	0.006	68	1051215	30.0	31.6	
	32 4-Methylphenol	108	4.357	4.351	0.006	92	1488095	30.0	31.6	
	35 N-Nitrosomorpholine	56	4.362	4.351	0.011	86	747199	30.0	30.2	
	36 2-Toluidine	106	4.368	4.363	0.005	95	2298131	30.0	31.2	
	38 Hexachloroethane	117	4.421	4.421	0.000	96	639097	30.0	31.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.479	4.473	0.006	85	3074269	60.0	62.8	
40 Nitrobenzene	77	4.496	4.491	0.005	84	1502758	30.0	31.3	
42 N-Nitrosopiperidine	114	4.642	4.637	0.005	90	710385	30.0	32.6	
43 Isophorone	82	4.730	4.730	0.000	97	2771133	30.0	32.6	
44 2-Nitrophenol	139	4.805	4.800	0.005	89	723174	30.0	34.6	
45 2,4-Dimethylphenol	107	4.864	4.864	0.000	96	1472204	30.0	32.5	
46 o,o',o''-Triethylphosphorothioat	198	4.934	4.928	0.006	87	656592	30.0	31.6	
47 Bis(2-chloroethoxy)methane	93	4.957	4.951	0.006	96	1751949	30.0	31.4	
48 2,4-Dichlorophenol	162	5.044	5.039	0.005	94	1101077	30.0	33.7	
49 1,2,4-Trichlorobenzene	180	5.114	5.115	-0.001	94	1167572	30.0	31.5	
* 50 Naphthalene-d8	136	5.167	5.167	0.000	99	580674	5.00	5.00	
51 Naphthalene	128	5.184	5.185	-0.001	97	3790213	30.0	30.4	
52 Alpha-Terpineol	59	5.213	5.208	0.005	91	976169	30.0	32.4	
53 4-Chloroaniline	127	5.254	5.249	0.005	94	1604268	30.0	32.6	
54 2,6-Dichlorophenol	162	5.260	5.254	0.006	97	1045801	30.0	32.4	
55 Hexachloropropene	213	5.272	5.272	0.000	88	864203	30.0	32.4	
56 Hexachlorobutadiene	225	5.312	5.313	-0.001	96	695236	30.0	31.8	
60 Quinoline	129	5.511	5.505	0.006	96	2519579	30.0	31.3	
61 Caprolactam	113	5.592	5.569	0.023	79	382350	30.0	32.4	a
62 N-Nitrosodi-n-butylamine	84	5.586	5.581	0.005	88	1280646	30.0	32.3	
63 p-Phenylene diamine	108	5.604	5.593	0.011	95	1407813	30.0	33.3	
64 4-Chloro-3-methylphenol	107	5.744	5.738	0.006	93	1279372	30.0	33.7	
65 Safrole, Total	162	5.785	5.779	0.006	88	983328	30.0	32.4	
66 2-Methylnaphthalene	142	5.854	5.849	0.005	90	2160524	30.0	30.8	
67 1-Methylnaphthalene	142	5.948	5.942	0.006	91	2243409	30.0	30.7	
68 Hexachlorocyclopentadiene	237	6.006	6.001	0.005	95	907860	30.0	36.3	
69 1,2,4,5-Tetrachlorobenzene	216	6.012	6.012	0.000	97	1164084	30.0	30.5	
70 Isosafrole Peak 1	162	6.058	6.059	-0.001	88	176041	4.80	5.35	
71 2,4,6-Trichlorophenol	196	6.134	6.129	0.005	93	762641	30.0	34.2	
72 2,4,5-Trichlorophenol	196	6.169	6.170	-0.001	93	829958	30.0	33.9	
$ 73 2-Fluorobiphenyl (Surr)	172	6.216	6.210	0.006	99	5080025	60.0	59.3	
74 Isosafrole Peak 2	162	6.280	6.274	0.006	90	970484	25.2	27.3	
75 1,1'-Biphenyl	154	6.303	6.304	-0.001	96	2916696	30.0	30.3	
76 2-Chloronaphthalene	162	6.315	6.315	0.000	97	2303815	30.0	30.6	M
77 1-Chloronaphthalene	162	6.332	6.333	-0.001	97	2007425	30.0	30.1	Ma
78 Phenyl ether	170	6.408	6.403	0.005	82	1656131	30.0	30.7	
79 2-Nitroaniline	138	6.426	6.420	0.006	83	790568	30.0	33.7	
81 1,4-Naphthoquinone	158	6.490	6.484	0.006	86	900994	30.0	34.2	
84 1,4-Dinitrobenzene	168	6.560	6.560	0.000	88	417614	30.0	35.8	
85 Dimethyl phthalate	163	6.612	6.607	0.005	98	2576629	30.0	31.1	
86 1,3-Dinitrobenzene	168	6.630	6.624	0.006	87	445134	30.0	32.5	
87 2,6-Dinitrotoluene	165	6.659	6.659	0.000	95	593617	30.0	33.6	
88 Acenaphthylene	152	6.705	6.700	0.005	98	3648329	30.0	31.7	
89 3-Nitroaniline	138	6.816	6.811	0.005	92	689291	30.0	35.0	
* 90 Acenaphthene-d10	164	6.840	6.834	0.006	95	305415	5.00	5.00	
91 Acenaphthene	153	6.869	6.869	0.000	96	2352319	30.0	30.2	
92 2,4-Dinitrophenol	184	6.921	6.916	0.005	90	838588	60.0	68.3	
94 Pentachlorobenzene	250	6.997	6.991	0.006	98	1017969	30.0	30.4	
93 4-Nitrophenol	109	7.009	7.003	0.006	84	916527	60.0	69.5	
96 Dibenzofuran	168	7.038	7.032	0.006	98	3204262	30.0	30.1	
95 2,4-Dinitrotoluene	165	7.044	7.038	0.006	92	808408	30.0	33.2	
97 1-Naphthylamine	143	7.113	7.108	0.005	98	2324653	30.0	31.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,3,4,6-Tetrachlorophenol	232	7.160	7.155	0.005	74	672246	30.0	33.1	
99 2-Naphthylamine	143	7.189	7.184	0.005	94	2432667	30.0	31.6	
100 Diethyl phthalate	149	7.288	7.283	0.005	98	2617592	30.0	31.4	
101 Thionazin	107	7.358	7.353	0.005	80	507772	30.0	32.4	
102 Fluorene	166	7.358	7.359	-0.001	93	2536606	30.0	30.6	
103 4-Chlorophenyl phenyl ether	204	7.370	7.370	0.000	90	1230231	30.0	30.0	
104 N-Nitro-o-toluidine	152	7.382	7.376	0.006	90	759960	30.0	33.7	
105 4-Nitroaniline	138	7.399	7.388	0.011	79	652286	30.0	33.7	
106 4,6-Dinitro-2-methylphenol	198	7.428	7.417	0.011	84	1020168	60.0	66.9	
107 N-Nitrosodiphenylamine	169	7.486	7.481	0.005	62	1860293	25.5	26.7	
108 1,2-Diphenylhydrazine	77	7.521	7.516	0.005	42	2710771	30.0	31.1	
$ 109 2,4,6-Tribromophenol	330	7.591	7.586	0.005	92	814792	60.0	66.1	
110 Sulfotepp	97	7.656	7.650	0.006	78	493653	30.0	31.8	
112 1,3,5-Trinitrobenzene	213	7.766	7.755	0.011	75	302028	30.0	35.4	
113 cis-Diallate	86	7.766	7.761	0.005	0	809934	22.2	21.2	
114 Phorate	75	7.772	7.767	0.005	96	2403899	30.0	28.5	
115 Phenacetin	108	7.801	7.790	0.011	92	1448660	30.0	34.0	
116 4-Bromophenyl phenyl ether	248	7.830	7.831	-0.001	62	739925	30.0	30.4	
117 trans-Diallate	86	7.848	7.842	0.006	0	300273	7.80	7.64	
118 Hexachlorobenzene	284	7.871	7.872	-0.001	94	810791	30.0	29.8	
119 Dimethoate	87	7.935	7.924	0.011	96	1099712	30.0	32.8	
120 Atrazine	200	8.011	8.006	0.005	94	656169	30.0	29.9	
121 Pentachlorophenol	266	8.069	8.070	-0.001	92	1118745	60.0	71.7	
123 Pentachloronitrobenzene	237	8.075	8.076	-0.001	84	380590	30.0	31.5	
122 4-Aminobiphenyl	169	8.081	8.076	0.005	91	2877999	30.0	31.0	
124 Pronamide	173	8.157	8.151	0.006	89	1222667	30.0	33.7	
* 126 Phenanthrene-d10	188	8.238	8.239	-0.001	98	543916	5.00	5.00	
125 Dinoseb	211	8.256	8.256	0.000	94	775688	30.0	34.9	
128 Phenanthrene	178	8.262	8.262	0.000	98	3443501	30.0	28.7	
127 Disulfoton	88	8.268	8.262	0.006	95	1586613	30.0	30.1	
129 Anthracene	178	8.314	8.309	0.005	98	3605761	30.0	30.6	
130 Carbazole	167	8.477	8.472	0.005	96	3444772	30.0	31.2	
131 Methyl parathion	109	8.617	8.618	-0.001	90	950936	30.0	35.7	
133 Di-n-butyl phthalate	149	8.839	8.833	0.006	100	3915359	30.0	33.2	
134 Ethyl Parathion	109	8.996	8.991	0.005	84	557835	30.0	35.4	
135 4-Nitroquinoline-1-oxide	190	9.008	9.002	0.006	93	377576	30.0	32.1	
140 Octachlorostyrene	308	9.212	9.212	0.000	92	313134	30.0	30.9	
141 Isodrin	193	9.241	9.235	0.006	94	427386	30.0	30.2	
143 Fluoranthene	202	9.387	9.381	0.006	98	3863330	30.0	30.9	
147 Benzidine	184	9.544	9.533	0.011	99	7561220	90.0	97.1	
* 149 Pyrene-d10 (IS)	212	9.579	9.573	0.006	99	522195	5.00	5.00	
150 Pyrene	202	9.596	9.591	0.005	97	3874540	30.0	29.0	
S 136 Diallate	86				0		30.0	28.8	
$ 152 p-Terphenyl-d14	244	9.771	9.766	0.005	100	4848388	60.0	60.4	
154 p-Dimethylamino azobenzene	225	9.911	9.906	0.005	94	708758	30.0	35.7	
155 Chlorobenzilate	139	9.958	9.958	0.000	88	1276602	30.0	34.6	
156 3,3'-Dimethylbenzidine	212	10.232	10.226	0.006	99	2176873	30.0	32.6	
157 Butyl benzyl phthalate	149	10.261	10.261	0.000	97	1687079	30.0	34.2	
158 2-Acetylaminofluorene	181	10.482	10.477	0.005	94	1552456	30.0	34.4	
159 3,3'-Dichlorobenzidine	252	10.786	10.780	0.006	74	1379069	30.0	34.3	
161 Benzo[a]anthracene	228	10.786	10.780	0.006	99	3429478	30.0	32.7	
160 4,4'-Methylene bis(2-chloroanil	231	10.791	10.792	-0.001	94	749311	30.0	33.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.826	10.821	0.005	97	3261471	30.0	31.1	
163 Bis(2-ethylhexyl) phthalate	149	10.890	10.885	0.005	95	2385922	30.0	35.5	
164 6-Methylchrysene	242	11.333	11.334	-0.001	99	2315118	30.0	32.8	
165 Di-n-octyl phthalate	149	11.666	11.660	0.006	98	3675159	30.0	36.6	
166 7,12-Dimethylbenz(a)anthracene	256	12.050	12.039	0.011	89	1541908	30.0	34.8	
167 Benzo[b]fluoranthene	252	12.044	12.039	0.005	97	3320232	30.0	33.0	
168 Benzo[k]fluoranthene	252	12.079	12.074	0.005	99	3396324	30.0	32.4	
169 Benzo[a]pyrene	252	12.452	12.447	0.005	77	3116279	30.0	34.2	M
* 170 Perylene-d12	264	12.522	12.517	0.005	98	414512	5.00	5.00	
171 3-Methylcholanthrene	268	12.936	12.925	0.011	91	1580831	30.0	35.7	
172 Dibenz[a,h]acridine	279	13.671	13.659	0.012	91	2397543	30.0	35.7	
173 Dibenz[a,j]acridine	279	13.741	13.729	0.012	96	2635213	30.0	36.1	
174 Indeno[1,2,3-cd]pyrene	276	13.962	13.951	0.011	99	2859826	30.0	34.9	
175 Dibenz(a,h)anthracene	278	14.003	13.992	0.011	93	2980842	30.0	34.7	
176 Benzo[g,h,i]perylene	276	14.318	14.301	0.018	98	2871834	30.0	32.9	
S 178 Dinitrotoluene	165				0		60.0	66.8	
S 182 Isosafrole	162				0		30.0	32.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_8_00044 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 08:27:20 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2552.D

Injection Date: 25-Jun-2025 23:57:14 Instrument ID: HP19760 Operator ID: IR93211

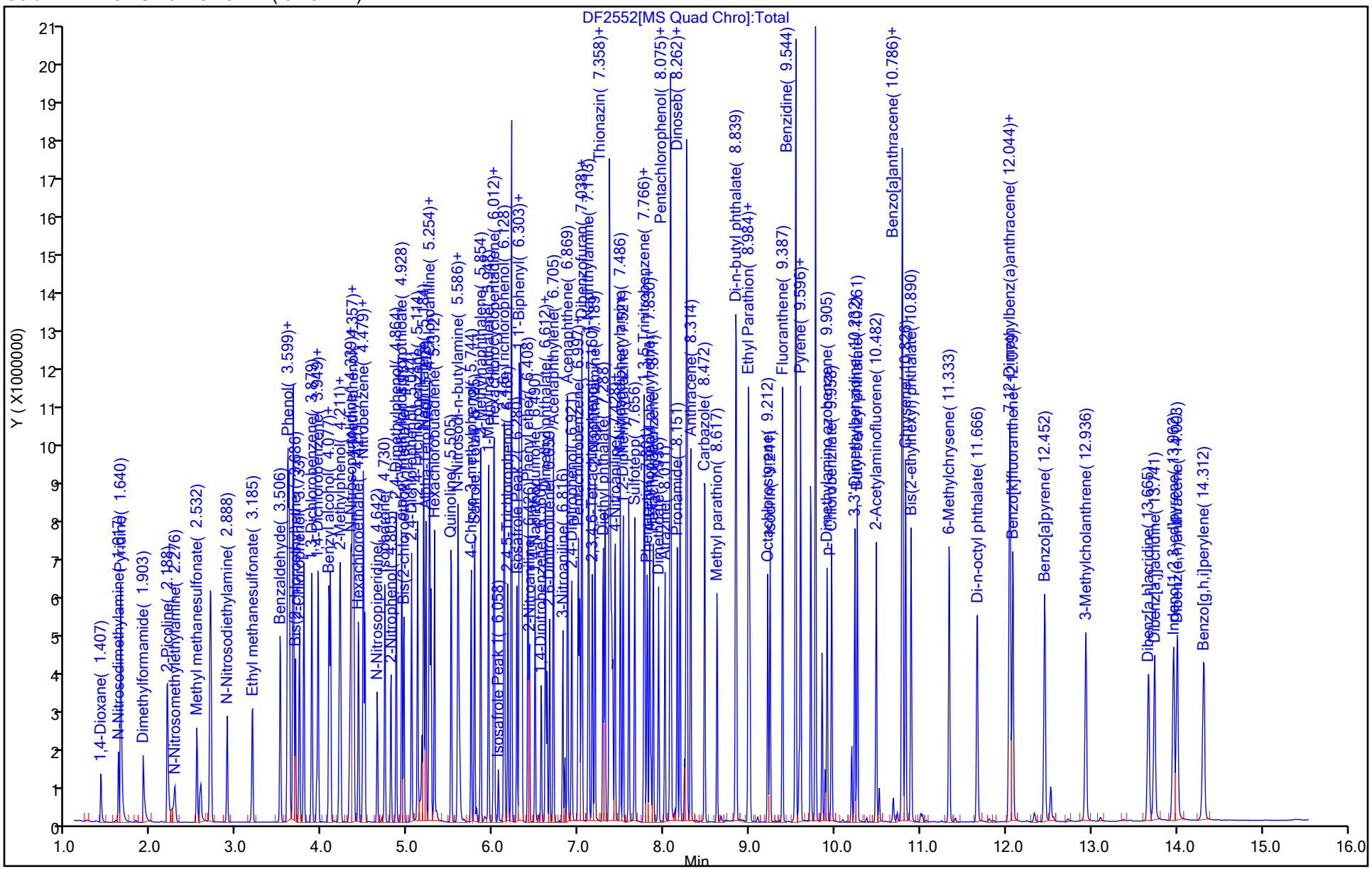
Lims ID: IC L8 Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

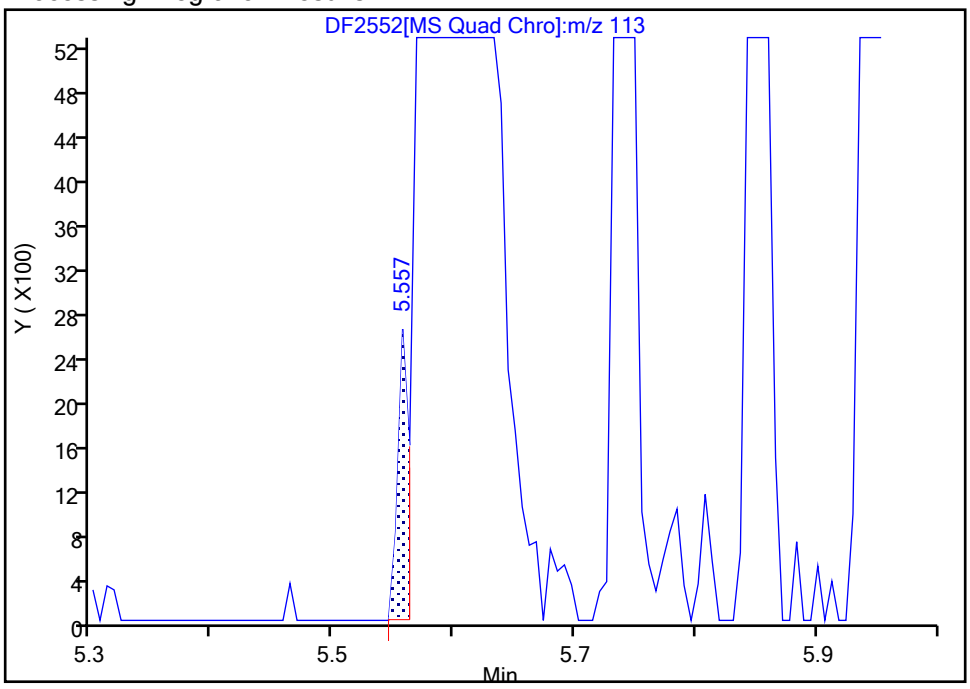
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2552.D
Injection Date: 25-Jun-2025 23:57:14 Instrument ID: HP19760
Lims ID: IC L8
Client ID:
Operator ID: IR93211 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

61 Caprolactam, CAS: 105-60-2

Signal: 1

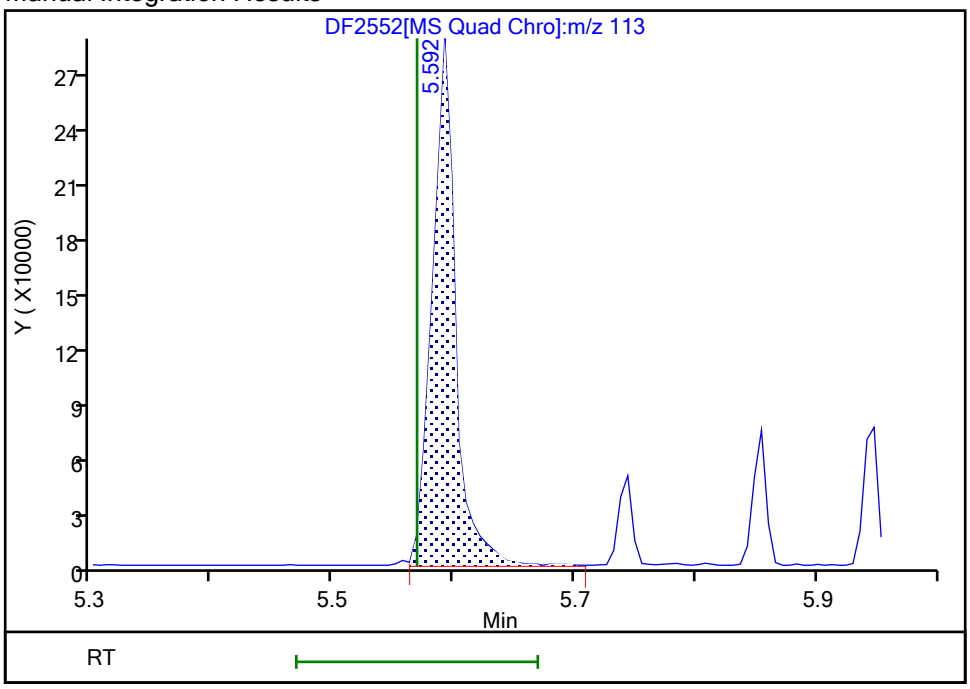
Processing Integration Results

RT: 5.56
Area: 1461
Amount: 0.151968
Amount Units: ug/ml



Manual Integration Results

RT: 5.59
Area: 382350
Amount: 32.391332
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:05:50 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

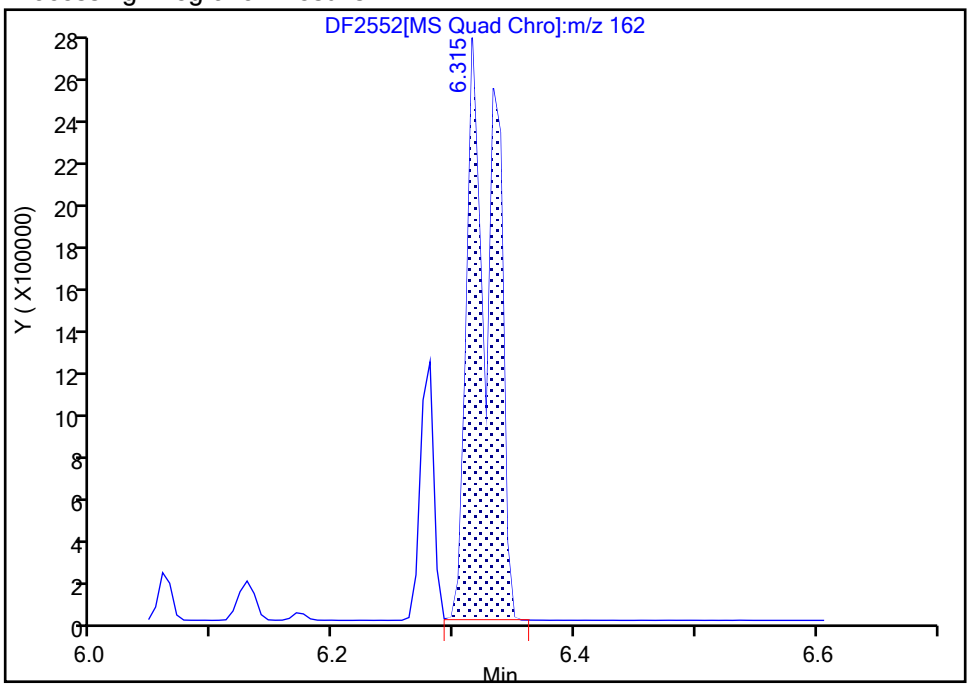
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2552.D				
Injection Date:	25-Jun-2025 23:57:14	Instrument ID:	HP19760		
Lims ID:	IC L8				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

76 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

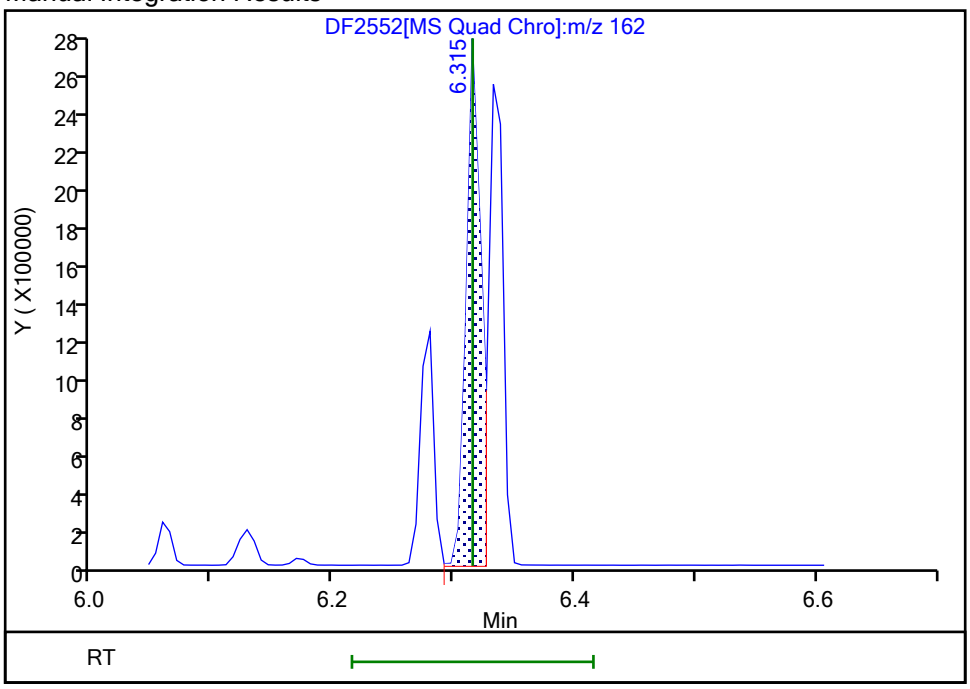
Processing Integration Results

RT: 6.31
Area: 4311241
Amount: 34.443157
Amount Units: ug/ml



Manual Integration Results

RT: 6.31
Area: 2303815
Amount: 30.585885
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:06:11 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

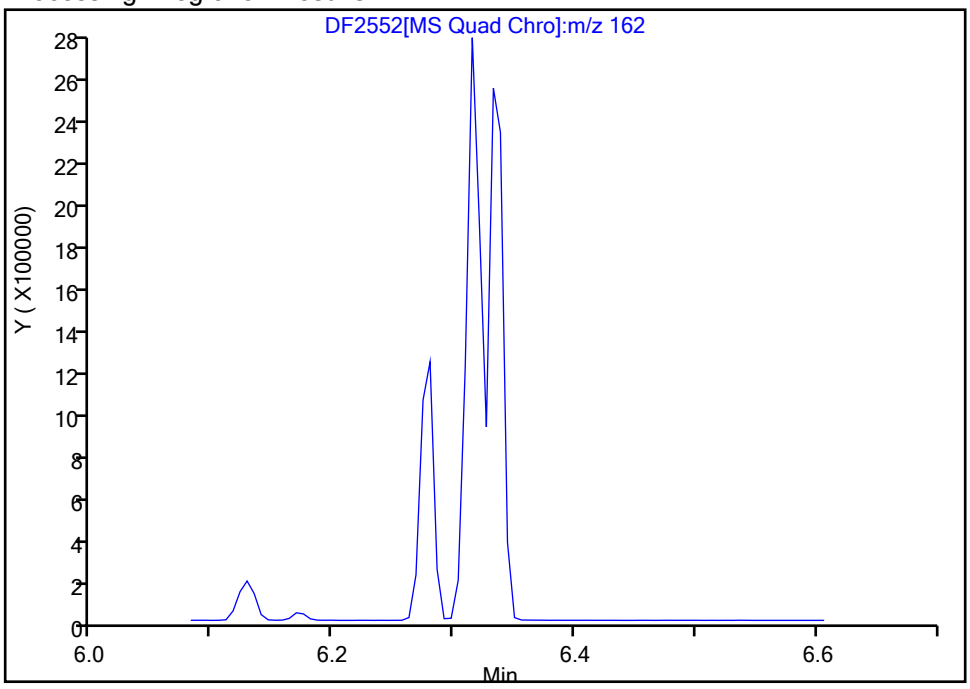
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2552.D				
Injection Date:	25-Jun-2025 23:57:14	Instrument ID:	HP19760		
Lims ID:	IC L8				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

77 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

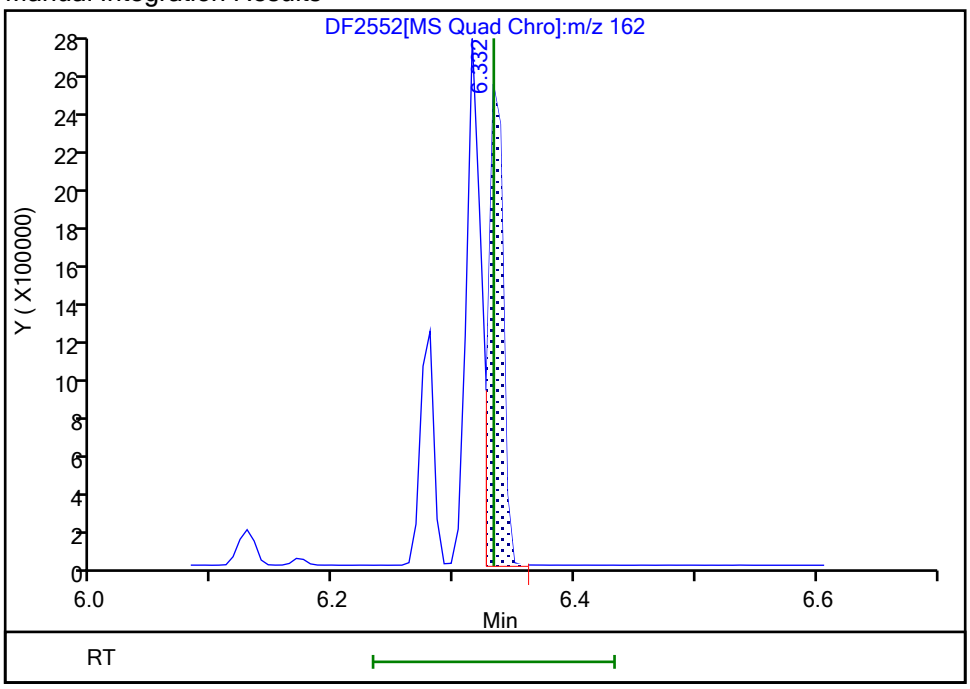
Not Detected
Expected RT: 6.33

Processing Integration Results



Manual Integration Results

RT: 6.33
Area: 2007425
Amount: 30.109860
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:06:20 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

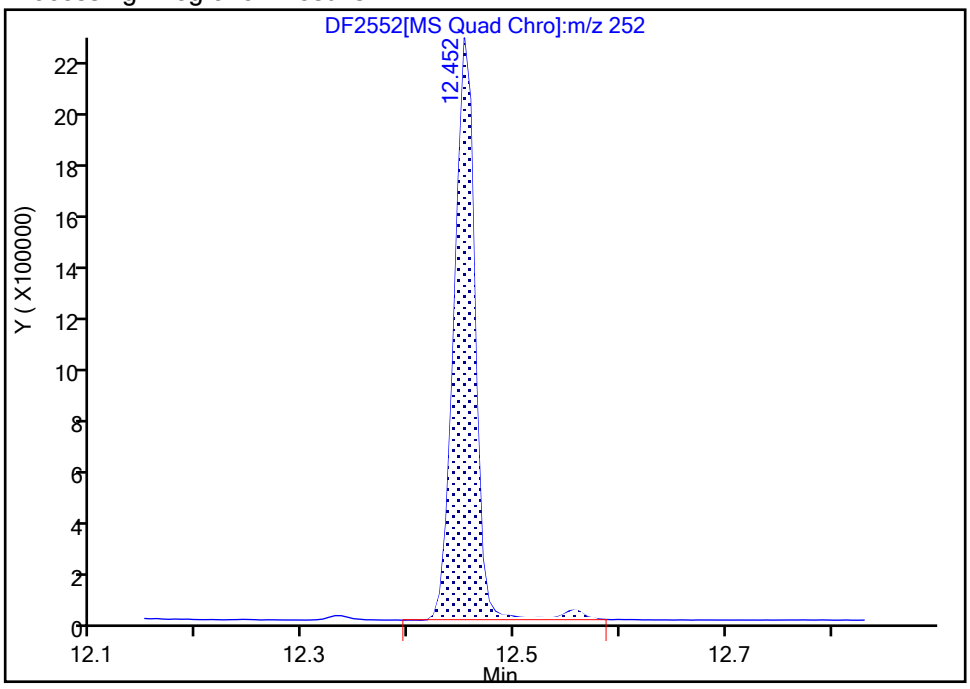
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2552.D				
Injection Date:	25-Jun-2025 23:57:14	Instrument ID:	HP19760		
Lims ID:	IC L8				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

169 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

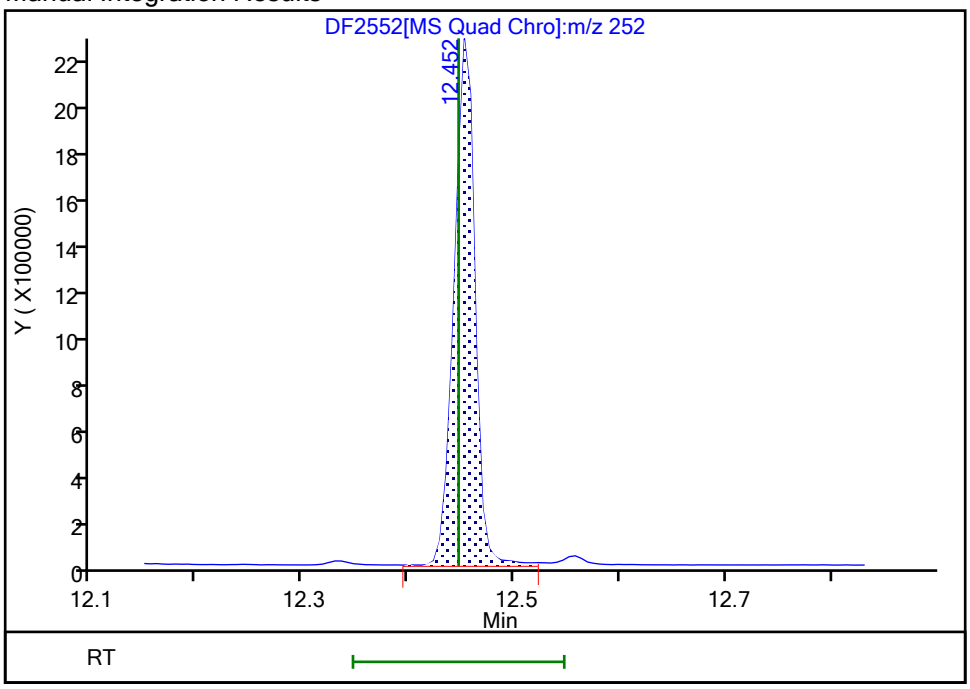
Processing Integration Results

RT: 12.45
Area: 3185460
Amount: 34.879159
Amount Units: ug/ml



Manual Integration Results

RT: 12.45
Area: 3116279
Amount: 34.229699
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:06:53 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2553.D
Lims ID: IC L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 26-Jun-2025 00:18:10 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7
Misc. Info.: 410-0151574-004
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub58

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:27:39 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:09:09

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	2 1,4-Dioxane	88	1.407	1.408	-0.001	90	347566	20.0	18.6	
	3 N-Nitrosodimethylamine	74	1.617	1.612	0.005	88	550266	20.0	20.6	
	4 Pyridine	79	1.641	1.641	0.000	96	1840469	40.0	38.9	
	6 Dimethylformamide	73	1.909	1.909	0.000	88	644607	20.0	22.2	
	7 2-Picoline	93	2.188	2.189	-0.001	90	1065100	20.0	19.8	
	8 N-Nitrosomethylethylamine	88	2.276	2.276	0.000	82	455537	20.0	19.2	
	9 Methyl methanesulfonate	80	2.532	2.527	0.005	84	547768	20.0	19.9	
$	10 2-Fluorophenol	112	2.690	2.684	0.006	90	1799304	40.0	40.7	
	11 N-Nitrosodiethylamine	102	2.882	2.882	0.000	85	476466	20.0	20.1	
	12 Ethyl methanesulfonate	109	3.179	3.179	0.000	99	510238	20.0	19.8	
	15 Benzaldehyde	77	3.506	3.506	0.000	97	813912	20.0	19.5	
$	16 Phenol-d5	99	3.593	3.587	0.006	94	2460810	40.0	40.5	
	17 Phenol	94	3.605	3.605	0.000	94	1355751	20.0	19.8	
	18 Aniline	93	3.611	3.611	0.000	96	1604646	20.0	19.7	
	19 Bis(2-chloroethyl)ether	93	3.681	3.681	0.000	98	960098	20.0	19.3	
	20 2-Chlorophenol	128	3.727	3.727	0.000	94	905562	20.0	20.3	
	21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	95	967872	20.0	19.1	
*	22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	95	169357	5.00	5.00	
	23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	92	979465	20.0	19.5	
	25 Benzyl alcohol	108	4.077	4.077	0.000	91	632309	20.0	20.5	
	26 1,2-Dichlorobenzene	146	4.094	4.095	-0.001	95	933086	20.0	19.4	
	28 2-Methylphenol	108	4.199	4.199	0.000	95	863192	20.0	20.2	
	29 2,2'-oxybis[1-chloropropane]	45	4.211	4.211	0.000	91	865586	20.0	19.4	
	31 N-Nitrosopyrrolidine	100	4.316	4.310	0.006	88	518458	20.0	20.7	
	34 Acetophenone	105	4.333	4.328	0.005	95	1366351	20.0	19.2	
	33 N-Nitrosodi-n-propylamine	70	4.339	4.339	0.000	72	680326	20.0	19.6	
	32 4-Methylphenol	108	4.351	4.351	0.000	90	987979	20.0	20.1	
	35 N-Nitrosomorpholine	56	4.357	4.351	0.006	88	493006	20.0	19.1	
	36 2-Toluidine	106	4.363	4.363	0.000	95	1515613	20.0	19.7	
	38 Hexachloroethane	117	4.421	4.421	0.000	96	407494	20.0	19.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.473	4.473	0.000	85	2016905	40.0	38.7	
40 Nitrobenzene	77	4.491	4.491	0.000	83	990100	20.0	19.4	
42 N-Nitrosopiperidine	114	4.642	4.637	0.005	89	460391	20.0	19.8	
43 Isophorone	82	4.730	4.730	0.000	97	1826594	20.0	20.2	
44 2-Nitrophenol	139	4.800	4.800	0.000	89	467395	20.0	21.0	
45 2,4-Dimethylphenol	107	4.864	4.864	0.000	96	974024	20.0	20.2	
46 o,o',o''-Triethylphosphorothioat	198	4.928	4.928	0.000	89	428970	20.0	19.4	
47 Bis(2-chloroethoxy)methane	93	4.951	4.951	0.000	96	1125255	20.0	18.9	
48 2,4-Dichlorophenol	162	5.039	5.039	0.000	94	704286	20.0	20.3	
49 1,2,4-Trichlorobenzene	180	5.114	5.115	-0.001	94	766731	20.0	19.4	
* 50 Naphthalene-d8	136	5.161	5.167	-0.006	99	618298	5.00	5.00	
51 Naphthalene	128	5.184	5.185	-0.001	97	2505449	20.0	18.9	
52 Alpha-Terpineol	59	5.208	5.208	0.000	91	631068	20.0	19.7	
53 4-Chloroaniline	127	5.249	5.249	-0.001	95	1046583	20.0	20.0	
54 2,6-Dichlorophenol	162	5.254	5.254	0.000	96	683815	20.0	19.9	
55 Hexachloropropene	213	5.272	5.272	0.000	87	570788	20.0	20.1	
56 Hexachlorobutadiene	225	5.313	5.313	0.000	96	452914	20.0	19.4	
60 Quinoline	129	5.505	5.505	0.000	96	1663731	20.0	19.4	
61 Caprolactam	113	5.581	5.569	0.012	78	265185	20.0	21.1	
62 N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	87	848281	20.0	20.1	
63 p-Phenylene diamine	108	5.592	5.593	-0.001	96	954427	20.0	21.2	
64 4-Chloro-3-methylphenol	107	5.738	5.738	0.000	93	832268	20.0	20.6	
65 Safrole, Total	162	5.779	5.779	0.000	87	641160	20.0	19.9	
66 2-Methylnaphthalene	142	5.849	5.849	0.000	90	1443188	20.0	19.3	
67 1-Methylnaphthalene	142	5.942	5.942	0.000	92	1516455	20.0	19.5	
68 Hexachlorocyclopentadiene	237	6.000	6.001	-0.001	96	586727	20.0	21.5	
69 1,2,4,5-Tetrachlorobenzene	216	6.012	6.012	0.000	98	785241	20.0	18.8	
70 Isosafrole Peak 1	162	6.059	6.059	0.000	89	118184	3.20	3.28	
71 2,4,6-Trichlorophenol	196	6.129	6.129	0.000	93	506015	20.0	20.7	
72 2,4,5-Trichlorophenol	196	6.169	6.170	-0.001	93	540394	20.0	20.2	
$ 73 2-Fluorobiphenyl (Surr)	172	6.210	6.210	0.000	99	3415437	40.0	36.4	
74 Isosafrole Peak 2	162	6.274	6.274	0.000	90	633393	16.8	16.3	
75 1,1'-Biphenyl	154	6.303	6.304	-0.001	94	1927064	20.0	18.3	
76 2-Chloronaphthalene	162	6.315	6.315	0.000	97	1428330	20.0	17.3	
77 1-Chloronaphthalene	162	6.333	6.333	0.000	97	1449375	20.0	19.9	
78 Phenyl ether	170	6.403	6.403	0.000	81	1101128	20.0	18.6	
79 2-Nitroaniline	138	6.420	6.420	0.000	83	513926	20.0	20.0	
81 1,4-Naphthoquinone	158	6.484	6.484	0.000	87	616694	20.0	21.4	
84 1,4-Dinitrobenzene	168	6.560	6.560	0.000	87	267129	20.0	20.9	
85 Dimethyl phthalate	163	6.607	6.607	0.000	98	1708552	20.0	18.8	
86 1,3-Dinitrobenzene	168	6.624	6.624	0.000	88	293421	20.0	19.5	
87 2,6-Dinitrotoluene	165	6.659	6.659	0.000	95	387398	20.0	20.0	
88 Acenaphthylene	152	6.700	6.700	0.000	98	2454236	20.0	19.5	
89 3-Nitroaniline	138	6.811	6.811	0.000	91	447359	20.0	20.8	
* 90 Acenaphthene-d10	164	6.834	6.834	0.000	93	334363	5.00	5.00	
91 Acenaphthene	153	6.869	6.869	0.000	96	1558407	20.0	18.3	
92 2,4-Dinitrophenol	184	6.916	6.916	0.000	90	551422	40.0	41.0	
94 Pentachlorobenzene	250	6.991	6.991	0.000	98	685655	20.0	18.7	
93 4-Nitrophenol	109	7.003	7.003	0.000	82	600976	40.0	41.6	
96 Dibenzofuran	168	7.032	7.032	0.000	96	2112084	20.0	18.1	
95 2,4-Dinitrotoluene	165	7.038	7.038	0.000	87	532620	20.0	20.0	
97 1-Naphthylamine	143	7.108	7.108	0.000	98	1555314	20.0	19.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,3,4,6-Tetrachlorophenol	232	7.154	7.155	-0.001	74	446686	20.0	20.1	
99 2-Naphthylamine	143	7.184	7.184	0.000	95	1642426	20.0	19.5	
100 Diethyl phthalate	149	7.283	7.283	0.000	98	1751138	20.0	19.2	
101 Thionazin	107	7.353	7.353	0.000	75	344606	20.0	20.1	
102 Fluorene	166	7.358	7.359	-0.001	94	1707361	20.0	18.8	
103 4-Chlorophenyl phenyl ether	204	7.370	7.370	0.000	91	814098	20.0	18.1	
104 N-Nitro-o-toluidine	152	7.376	7.376	0.000	91	501874	20.0	20.3	
105 4-Nitroaniline	138	7.388	7.388	0.000	80	431834	20.0	20.4	
106 4,6-Dinitro-2-methylphenol	198	7.423	7.417	0.006	84	669328	40.0	42.5	
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	62	1236310	17.0	17.2	
108 1,2-Diphenylhydrazine	77	7.516	7.516	0.000	42	1792182	20.0	19.9	
$ 109 2,4,6-Tribromophenol	330	7.586	7.586	0.000	92	531006	40.0	39.4	
110 Sulfotepp	97	7.650	7.650	0.000	78	321864	20.0	20.1	
112 1,3,5-Trinitrobenzene	213	7.761	7.755	0.006	83	196347	20.0	22.3	
113 cis-Diallate	86	7.761	7.761	0.000	0	547913	14.8	13.9	
114 Phorate	75	7.766	7.767	-0.001	96	1620998	20.0	20.7	
115 Phenacetin	108	7.796	7.790	0.006	91	938422	20.0	21.3	
116 4-Bromophenyl phenyl ether	248	7.831	7.831	0.000	62	480635	20.0	19.2	
117 trans-Diallate	86	7.842	7.842	0.000	0	196331	5.20	4.84	
118 Hexachlorobenzene	284	7.871	7.872	-0.001	94	526906	20.0	18.8	
119 Dimethoate	87	7.930	7.924	0.006	96	731614	20.0	21.2	
120 Atrazine	200	8.005	8.006	-0.001	94	476253	20.0	21.0	
121 Pentachlorophenol	266	8.070	8.070	0.000	91	711091	40.0	44.2	
123 Pentachloronitrobenzene	237	8.075	8.076	-0.001	84	250804	20.0	20.1	
122 4-Aminobiphenyl	169	8.075	8.076	-0.001	91	1963610	20.0	20.5	
124 Pronamide	173	8.151	8.151	0.000	90	797387	20.0	21.3	
* 126 Phenanthrene-d10	188	8.239	8.239	0.000	97	561297	5.00	5.00	
125 Dinoseb	211	8.256	8.256	0.000	95	496428	20.0	21.7	
128 Phenanthrene	178	8.262	8.262	0.000	98	2320587	20.0	18.7	
127 Disulfoton	88	8.262	8.262	0.000	96	1082624	20.0	19.9	
129 Anthracene	178	8.309	8.309	0.000	98	2415688	20.0	19.9	
130 Carbazole	167	8.472	8.472	0.000	96	2294376	20.0	20.2	
131 Methyl parathion	109	8.617	8.618	-0.001	90	627514	20.0	22.8	
133 Di-n-butyl phthalate	149	8.833	8.833	0.000	100	2567315	20.0	21.1	
134 Ethyl Parathion	109	8.991	8.991	-0.001	84	374932	20.0	23.0	
135 4-Nitroquinoline-1-oxide	190	9.002	9.002	0.000	92	232826	20.0	19.9	
140 Octachlorostyrene	308	9.212	9.212	0.000	92	210410	20.0	20.2	
141 Isodrin	193	9.235	9.235	0.000	94	278454	20.0	19.1	
143 Fluoranthene	202	9.381	9.381	0.000	98	2596634	20.0	20.1	
147 Benzidine	184	9.533	9.533	0.000	99	5221488	60.0	61.7	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	98	567274	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	97	2638278	20.0	18.2	
S 136 Diallate	86				0		20.0	18.7	
$ 152 p-Terphenyl-d14	244	9.766	9.766	0.000	100	3260984	40.0	37.4	
154 p-Dimethylamino azobenzene	225	9.906	9.906	0.000	93	461320	20.0	21.4	
155 Chlorobenzilate	139	9.958	9.958	0.000	88	857104	20.0	21.4	
156 3,3'-Dimethylbenzidine	212	10.226	10.226	0.000	99	1467199	20.0	20.2	
157 Butyl benzyl phthalate	149	10.255	10.261	-0.006	97	1124275	20.0	21.0	
158 2-Acetylaminofluorene	181	10.477	10.477	0.000	94	1003429	20.0	20.4	
159 3,3'-Dichlorobenzidine	252	10.780	10.780	0.000	76	926897	20.0	21.2	
161 Benzo[a]anthracene	228	10.780	10.780	0.000	99	2257904	20.0	19.8	
160 4,4'-Methylene bis(2-chloroanil	231	10.786	10.792	-0.006	95	501891	20.0	20.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.821	10.821	0.000	97	2172866	20.0	19.1	
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	95	1557965	20.0	21.3	
164 6-Methylchrysene	242	11.334	11.334	0.000	99	1515894	20.0	19.8	
165 Di-n-octyl phthalate	149	11.660	11.660	0.000	98	2372882	20.0	21.9	
166 7,12-Dimethylbenz(a)anthracene	256	12.039	12.039	0.000	75	1017095	20.0	21.3	
167 Benzo[b]fluoranthene	252	12.039	12.039	0.000	96	2253201	20.0	20.8	
168 Benzo[k]fluoranthene	252	12.074	12.074	0.000	99	2217544	20.0	19.7	
169 Benzo[a]pyrene	252	12.447	12.447	0.000	79	2109973	20.0	21.5	
* 170 Perylene-d12	264	12.517	12.517	0.000	98	446247	5.00	5.00	
171 3-Methylcholanthrene	268	12.931	12.925	0.006	91	1028970	20.0	21.6	
172 Dibenz[a,h]acridine	279	13.659	13.659	0.000	91	1554968	20.0	21.5	
173 Dibenz[a,j]acridine	279	13.729	13.729	0.000	96	1712226	20.0	21.8	
174 Indeno[1,2,3-cd]pyrene	276	13.951	13.951	0.000	99	1889143	20.0	21.4	
175 Dibenz(a,h)anthracene	278	13.997	13.992	0.005	92	1894474	20.0	20.5	
176 Benzo[g,h,i]perylene	276	14.306	14.301	0.006	98	1890549	20.0	20.1	
S 178 Dinitrotoluene	165				0		40.0	40.0	
S 182 Isosafrole	162				0		20.0	19.6	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_7_00045 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 08:27:40 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2553.D

Injection Date: 26-Jun-2025 00:18:10 Instrument ID: HP19760 Operator ID: IR93211

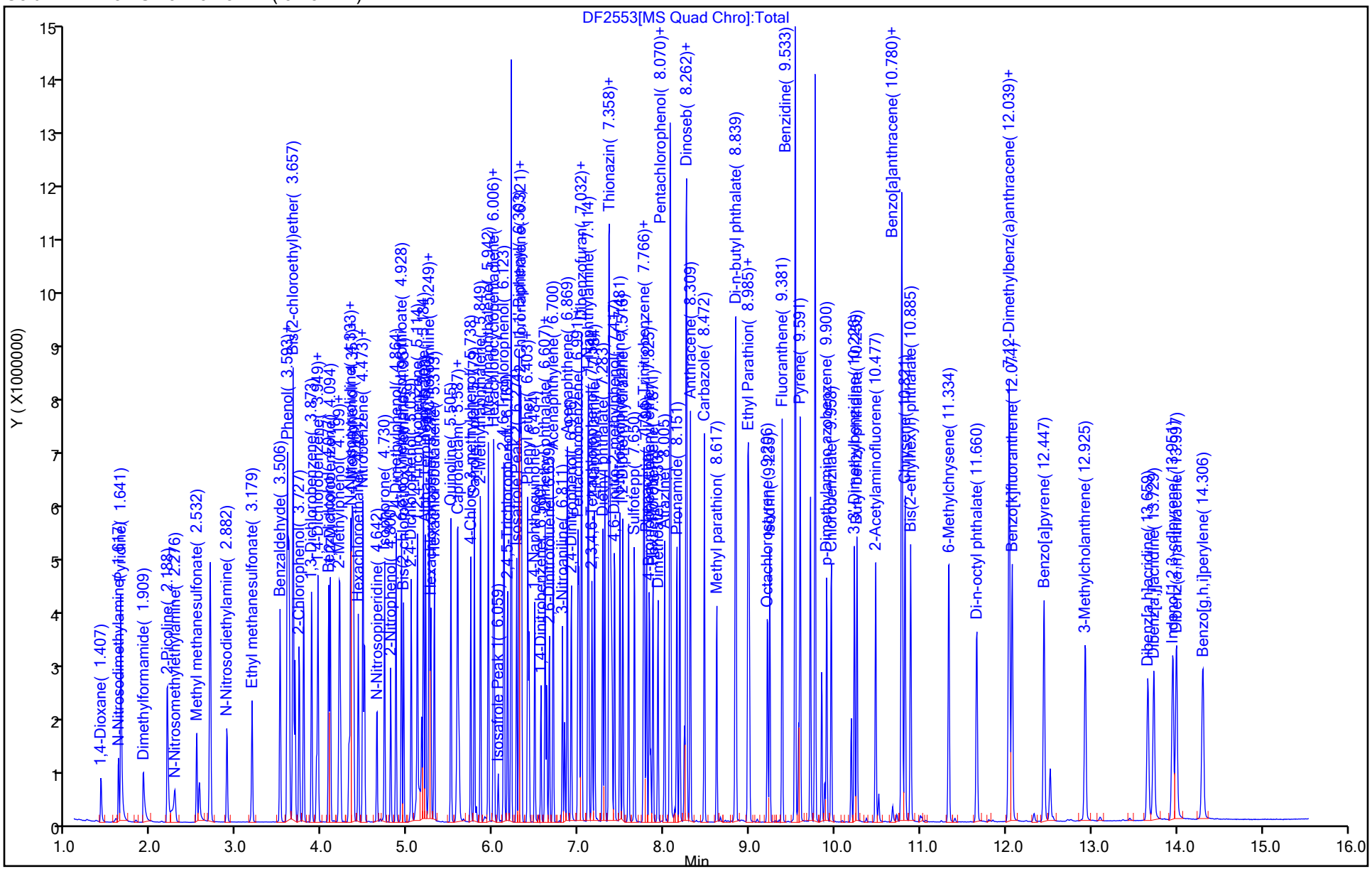
Lims ID: IC L7 Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2554.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 26-Jun-2025 00:39:01 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5
Misc. Info.: 410-0151574-005
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub58

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:28:02 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:24:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.407	1.407	0.000	89	129724	7.50	7.14	
3 N-Nitrosodimethylamine	74	1.617	1.617	0.000	88	204110	7.50	7.86	
4 Pyridine	79	1.646	1.646	0.000	96	700870	15.0	15.3	
6 Dimethylformamide	73	1.914	1.914	0.000	90	215138	7.50	7.64	
7 2-Picoline	93	2.188	2.188	0.000	90	394945	7.50	7.57	
8 N-Nitrosomethylethylamine	88	2.270	2.270	0.000	82	167858	7.50	7.29	
9 Methyl methanesulfonate	80	2.526	2.526	0.000	85	199454	7.50	7.48	
$ 10 2-Fluorophenol	112	2.684	2.684	0.000	90	658039	15.0	15.3	
11 N-Nitrosodiethylamine	102	2.882	2.882	0.000	84	167018	7.50	7.27	
12 Ethyl methanesulfonate	109	3.173	3.173	0.000	99	186895	7.50	7.46	
15 Benzaldehyde	77	3.506	3.506	0.000	96	301129	7.50	7.45	
$ 16 Phenol-d5	99	3.587	3.587	0.000	96	907456	15.0	15.4	
17 Phenol	94	3.599	3.599	0.000	87	500756	7.50	7.52	
18 Aniline	93	3.611	3.611	0.000	95	595819	7.50	7.56	
19 Bis(2-chloroethyl)ether	93	3.681	3.681	0.000	98	361185	7.50	7.49	
20 2-Chlorophenol	128	3.727	3.727	0.000	94	338574	7.50	7.81	
21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	95	360264	7.50	7.32	
* 22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	95	164274	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	93	367146	7.50	7.53	
25 Benzyl alcohol	108	4.071	4.071	0.000	92	237143	7.50	7.93	
26 1,2-Dichlorobenzene	146	4.094	4.094	0.000	96	341838	7.50	7.32	
28 2-Methylphenol	108	4.193	4.193	0.000	94	316551	7.50	7.66	
29 2,2'-oxybis[1-chloropropane]	45	4.205	4.205	0.000	91	324835	7.50	7.49	
31 N-Nitrosopyrrolidine	100	4.304	4.304	0.000	89	182390	7.50	7.50	
34 Acetophenone	105	4.328	4.328	0.000	95	509357	7.50	7.38	
33 N-Nitrosodi-n-propylamine	70	4.333	4.333	0.000	73	254353	7.50	7.56	
32 4-Methylphenol	108	4.345	4.345	0.000	91	373347	7.50	7.82	
35 N-Nitrosomorpholine	56	4.351	4.351	0.000	83	187277	7.50	7.47	
36 2-Toluidine	106	4.363	4.363	0.000	96	570904	7.50	7.65	
38 Hexachloroethane	117	4.421	4.421	0.000	97	154735	7.50	7.55	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.473	4.473	0.000	85	755833	15.0	15.2	
40 Nitrobenzene	77	4.491	4.491	0.000	84	370056	7.50	7.57	
42 N-Nitrosopiperidine	114	4.636	4.636	0.000	90	168585	7.50	7.58	
43 Isophorone	82	4.724	4.724	0.000	96	675207	7.50	7.81	
44 2-Nitrophenol	139	4.800	4.800	0.000	89	167793	7.50	7.89	
45 2,4-Dimethylphenol	107	4.858	4.858	0.000	95	359102	7.50	7.79	
46 o,o',o''-Triethylphosphorothioat	198	4.922	4.922	0.000	91	156585	7.50	7.39	
47 Bis(2-chloroethoxy)methane	93	4.951	4.951	0.000	95	428655	7.50	7.54	
48 2,4-Dichlorophenol	162	5.039	5.039	0.000	93	259480	7.50	7.80	
49 1,2,4-Trichlorobenzene	180	5.114	5.114	0.000	94	286699	7.50	7.59	
* 50 Naphthalene-d8	136	5.161	5.161	0.000	100	591465	5.00	5.00	
51 Naphthalene	128	5.184	5.184	0.000	97	940123	7.50	7.40	
52 Alpha-Terpineol	59	5.208	5.208	0.000	92	233536	7.50	7.61	
53 4-Chloroaniline	127	5.248	5.248	0.000	95	391511	7.50	7.81	
54 2,6-Dichlorophenol	162	5.254	5.254	0.000	97	254570	7.50	7.74	
55 Hexachloropropene	213	5.272	5.272	0.000	87	207386	7.50	7.64	
56 Hexachlorobutadiene	225	5.313	5.313	0.000	96	171778	7.50	7.71	
60 Quinoline	129	5.505	5.505	0.000	96	615283	7.50	7.50	
61 Caprolactam	113	5.557	5.557	0.000	87	93288	7.50	7.76	
62 N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	86	248893	7.50	6.17	
63 p-Phenylene diamine	108	5.587	5.587	0.000	96	349853	7.50	8.11	
64 4-Chloro-3-methylphenol	107	5.732	5.732	0.000	93	303963	7.50	7.86	
65 Safrole, Total	162	5.779	5.779	0.000	87	231592	7.50	7.50	
66 2-Methylnaphthalene	142	5.849	5.849	0.000	90	533600	7.50	7.46	
67 1-Methylnaphthalene	142	5.942	5.942	0.000	91	566148	7.50	7.60	
68 Hexachlorocyclopentadiene	237	6.000	6.000	0.000	96	203953	7.50	7.99	
69 1,2,4,5-Tetrachlorobenzene	216	6.012	6.012	0.000	98	287058	7.50	7.36	
70 Isosafrole Peak 1	162	6.059	6.059	0.000	87	41563	1.20	1.24	
71 2,4,6-Trichlorophenol	196	6.129	6.129	0.000	92	179926	7.50	7.90	
72 2,4,5-Trichlorophenol	196	6.164	6.164	0.000	93	201418	7.50	8.06	
$ 73 2-Fluorobiphenyl (Surr)	172	6.210	6.210	0.000	100	1322478	15.0	15.1	
74 Isosafrole Peak 2	162	6.274	6.274	0.000	90	233833	6.30	6.44	
75 1,1'-Biphenyl	154	6.298	6.298	0.000	95	733935	7.50	7.47	
76 2-Chloronaphthalene	162	6.309	6.309	0.000	97	576920	7.50	7.50	M
77 1-Chloronaphthalene	162	6.327	6.327	0.000	97	505801	7.50	7.43	Ma
78 Phenyl ether	170	6.403	6.403	0.000	83	409218	7.50	7.43	
79 2-Nitroaniline	138	6.414	6.414	0.000	81	185050	7.50	7.72	
81 1,4-Naphthoquinone	158	6.484	6.484	0.000	87	218943	7.50	8.13	
84 1,4-Dinitrobenzene	168	6.554	6.554	0.000	88	99276	7.50	8.34	
85 Dimethyl phthalate	163	6.607	6.607	0.000	98	645809	7.50	7.62	
86 1,3-Dinitrobenzene	168	6.624	6.624	0.000	86	104126	7.50	7.43	
87 2,6-Dinitrotoluene	165	6.653	6.653	0.000	95	147305	7.50	8.16	
88 Acenaphthylene	152	6.700	6.700	0.000	98	909654	7.50	7.73	
89 3-Nitroaniline	138	6.805	6.805	0.000	91	161963	7.50	8.06	
* 90 Acenaphthene-d10	164	6.834	6.834	0.000	95	312037	5.00	5.00	
91 Acenaphthene	153	6.863	6.863	0.000	95	593137	7.50	7.46	
92 2,4-Dinitrophenol	184	6.910	6.910	0.000	89	225334	17.5	18.0	
94 Pentachlorobenzene	250	6.991	6.991	0.000	98	247555	7.50	7.25	
93 4-Nitrophenol	109	7.003	7.003	0.000	83	218774	15.0	16.2	
96 Dibenzofuran	168	7.032	7.032	0.000	96	811033	7.50	7.46	
95 2,4-Dinitrotoluene	165	7.032	7.032	0.000	86	202218	7.50	8.14	
97 1-Naphthylamine	143	7.108	7.108	0.000	98	578253	7.50	7.76	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,3,4,6-Tetrachlorophenol	232	7.154	7.154	0.000	73	160534	7.50	7.73	
99 2-Naphthylamine	143	7.184	7.184	0.000	95	610377	7.50	7.76	
100 Diethyl phthalate	149	7.277	7.277	0.000	98	655834	7.50	7.69	
101 Thionazin	107	7.347	7.347	0.000	80	110733	7.50	6.92	
102 Fluorene	166	7.353	7.353	0.000	93	649713	7.50	7.67	
103 4-Chlorophenyl phenyl ether	204	7.364	7.364	0.000	90	309903	7.50	7.39	
104 N-Nitro-o-toluidine	152	7.376	7.376	0.000	91	184937	7.50	8.02	
105 4-Nitroaniline	138	7.382	7.382	0.000	80	161602	7.50	8.17	
106 4,6-Dinitro-2-methylphenol	198	7.417	7.417	0.000	83	246237	15.0	15.7	
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	62	467477	6.38	6.52	
108 1,2-Diphenylhydrazine	77	7.516	7.516	0.000	41	680118	7.50	7.58	
$ 109 2,4,6-Tribromophenol	330	7.580	7.580	0.000	92	194103	15.0	15.4	
110 Sulfotepp	97	7.650	7.650	0.000	77	117228	7.50	7.34	
112 1,3,5-Trinitrobenzene	213	7.749	7.749	0.000	84	69583	7.50	7.92	
113 cis-Diallate	86	7.761	7.761	0.000	0	205203	5.55	5.21	
114 Phorate	75	7.766	7.766	0.000	95	447487	7.50	7.10	
115 Phenacetin	108	7.784	7.784	0.000	91	348775	7.50	7.95	
116 4-Bromophenyl phenyl ether	248	7.825	7.825	0.000	62	182659	7.50	7.30	
117 trans-Diallate	86	7.842	7.842	0.000	0	73767	1.95	1.82	
118 Hexachlorobenzene	284	7.866	7.866	0.000	93	200297	7.50	7.15	
119 Dimethoate	87	7.924	7.924	0.000	96	272834	7.50	7.91	
120 Atrazine	200	8.000	8.000	0.000	94	177263	7.50	7.85	
121 Pentachlorophenol	266	8.064	8.064	0.000	92	250108	15.0	15.6	
123 Pentachloronitrobenzene	237	8.070	8.070	0.000	84	94251	7.50	7.58	
122 4-Aminobiphenyl	169	8.070	8.070	0.000	91	739578	7.50	7.74	
124 Pronamide	173	8.145	8.145	0.000	90	291485	7.50	7.82	
* 126 Phenanthrene-d10	188	8.233	8.233	0.000	98	559909	5.00	5.00	
125 Dinoseb	211	8.250	8.250	0.000	92	169023	7.50	7.40	
128 Phenanthrene	178	8.256	8.256	0.000	98	908811	7.50	7.35	
127 Disulfoton	88	8.262	8.262	0.000	95	411701	7.50	7.58	
129 Anthracene	178	8.303	8.303	0.000	98	924039	7.50	7.62	
130 Carbazole	167	8.466	8.466	0.000	96	867604	7.50	7.64	
131 Methyl parathion	109	8.612	8.612	0.000	91	226525	7.50	8.26	
133 Di-n-butyl phthalate	149	8.833	8.833	0.000	100	947845	7.50	7.82	
134 Ethyl Parathion	109	8.990	8.990	0.000	84	136505	7.50	8.41	
135 4-Nitroquinoline-1-oxide	190	8.996	8.996	0.000	86	68500	7.50	7.04	
140 Octachlorostyrene	308	9.212	9.212	0.000	93	75982	7.50	7.29	
141 Isodrin	193	9.235	9.235	0.000	94	103030	7.50	7.07	
143 Fluoranthene	202	9.381	9.381	0.000	97	974419	7.50	7.57	
147 Benzidine	184	9.533	9.533	0.000	99	2005450	22.5	24.3	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	99	553359	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	97	1010652	7.50	7.15	
S 136 Diallate	86				0		7.50	7.03	
$ 152 p-Terphenyl-d14	244	9.766	9.766	0.000	100	1274520	15.0	15.0	
154 p-Dimethylamino azobenzene	225	9.900	9.900	0.000	93	166141	7.50	7.90	
155 Chlorobenzilate	139	9.952	9.952	0.000	88	317169	7.50	8.11	
156 3,3'-Dimethylbenzidine	212	10.226	10.226	0.000	99	548790	7.50	7.76	
157 Butyl benzyl phthalate	149	10.255	10.255	0.000	97	422217	7.50	8.08	
158 2-Acetylaminofluorene	181	10.471	10.471	0.000	94	346059	7.50	7.23	
159 3,3'-Dichlorobenzidine	252	10.774	10.774	0.000	75	348022	7.50	8.16	
161 Benzo[a]anthracene	228	10.780	10.780	0.000	99	860709	7.50	7.75	
160 4,4'-Methylene bis(2-chloroanil	231	10.786	10.786	0.000	96	191887	7.50	8.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.815	10.815	0.000	97	836956	7.50	7.53	
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	95	567650	7.50	7.96	
164 6-Methylchrysene	242	11.328	11.328	0.000	99	558655	7.50	7.48	
165 Di-n-octyl phthalate	149	11.654	11.654	0.000	98	812217	7.50	7.46	
166 7,12-Dimethylbenz(a)anthracene	256	12.033	12.033	0.000	74	369544	7.50	7.70	
167 Benzo[b]fluoranthene	252	12.033	12.033	0.000	96	843033	7.50	7.72	
168 Benzo[k]fluoranthene	252	12.068	12.068	0.000	99	857066	7.50	7.55	
169 Benzo[a]pyrene	252	12.441	12.441	0.000	77	761997	7.50	7.72	
* 170 Perylene-d12	264	12.517	12.517	0.000	98	449503	5.00	5.00	
171 3-Methylcholanthrene	268	12.925	12.925	0.000	91	362879	7.50	7.56	
172 Dibenz[a,h]acridine	279	13.653	13.653	0.000	91	568076	7.50	7.80	
173 Dibenz[a,j]acridine	279	13.723	13.723	0.000	97	633054	7.50	7.99	
174 Indeno[1,2,3-cd]pyrene	276	13.945	13.945	0.000	99	695603	7.50	7.82	
175 Dibenz(a,h)anthracene	278	13.991	13.991	0.000	92	713190	7.50	7.65	
176 Benzo[g,h,i]perylene	276	14.294	14.294	0.000	98	713576	7.50	7.55	
S 178 Dinitrotoluene	165				0		15.0	16.3	
S 182 Isosafrole	162				0		7.50	7.68	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_5_00054 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 08:28:02 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2554.D

Injection Date: 26-Jun-2025 00:39:01 Instrument ID: HP19760 Operator ID: IR93211

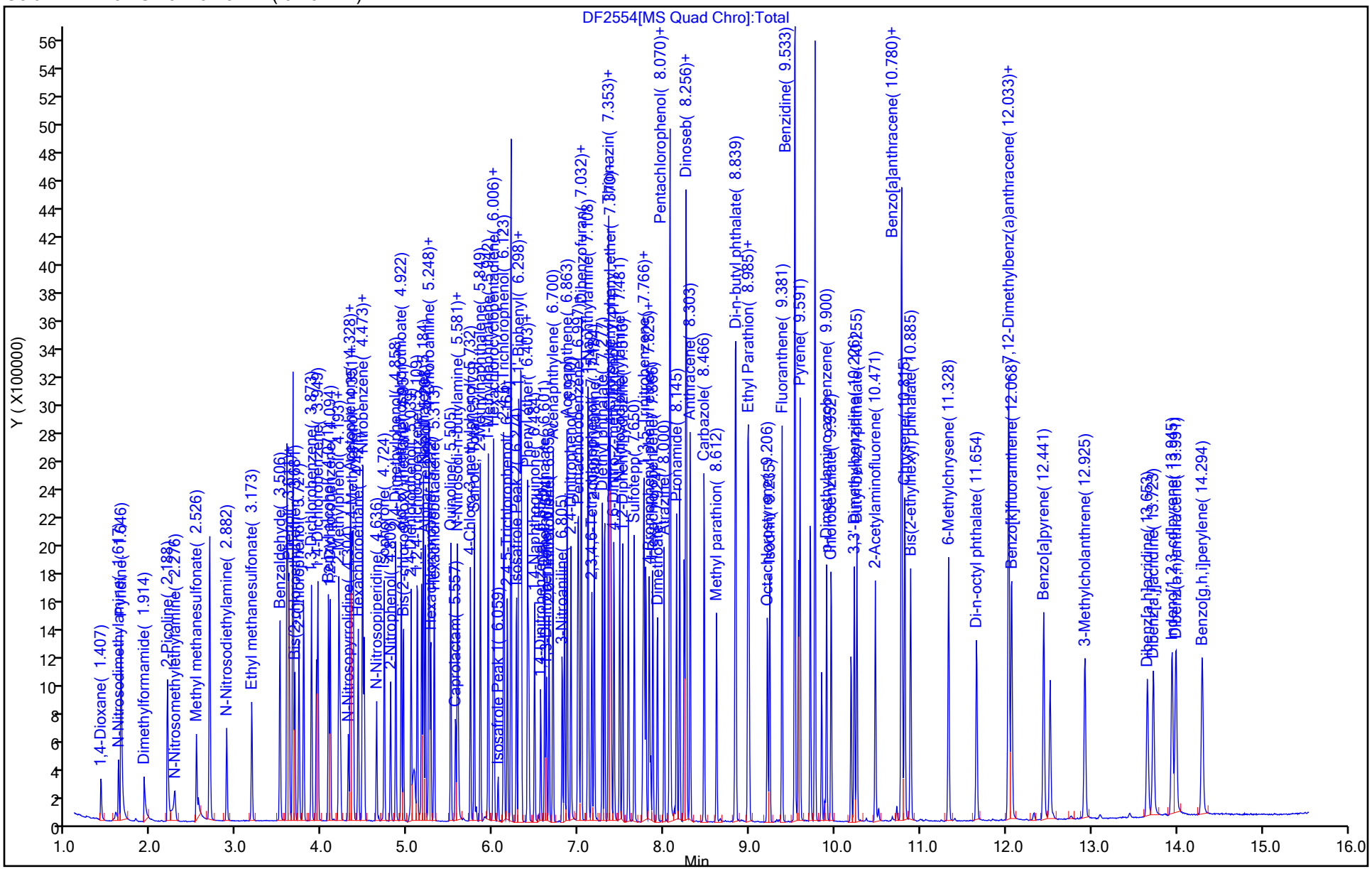
Lims ID: IC L5 Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

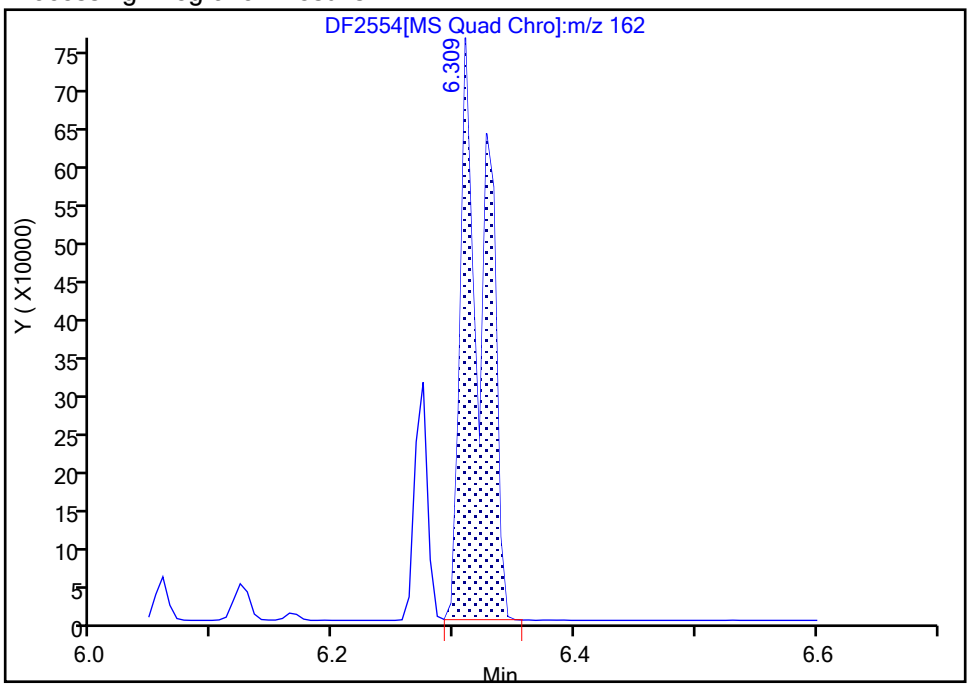
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2554.D				
Injection Date:	26-Jun-2025 00:39:01	Instrument ID:	HP19760		
Lims ID:	IC L5				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

76 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

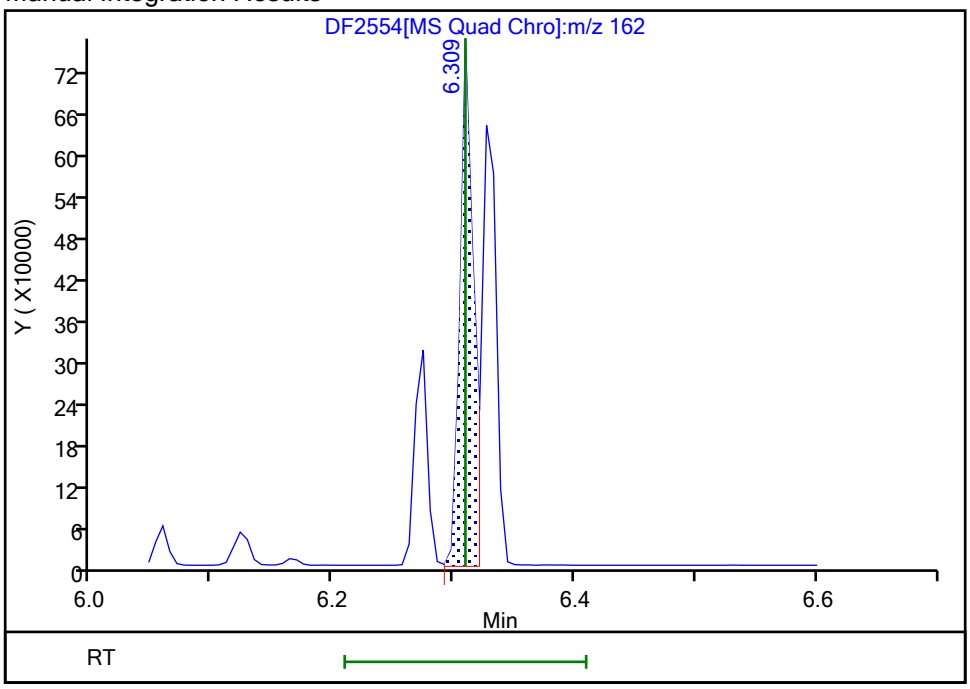
Processing Integration Results

RT: 6.31
Area: 1082722
Amount: 9.072732
Amount Units: ug/ml



Manual Integration Results

RT: 6.31
Area: 576920
Amount: 7.496755
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:24:21 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

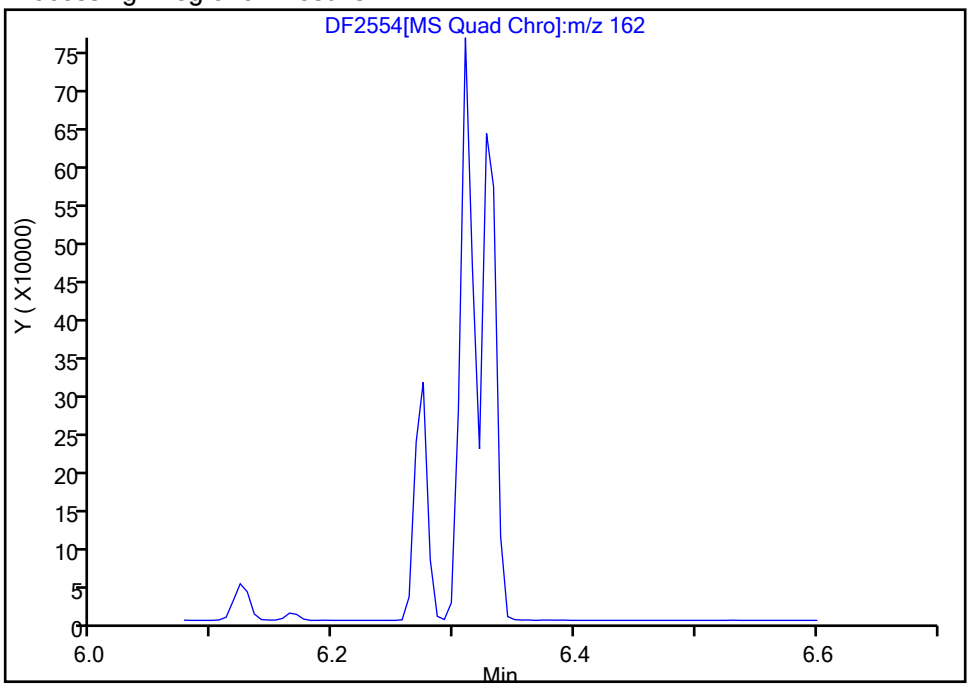
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2554.D				
Injection Date:	26-Jun-2025 00:39:01	Instrument ID:	HP19760		
Lims ID:	IC L5				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

77 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

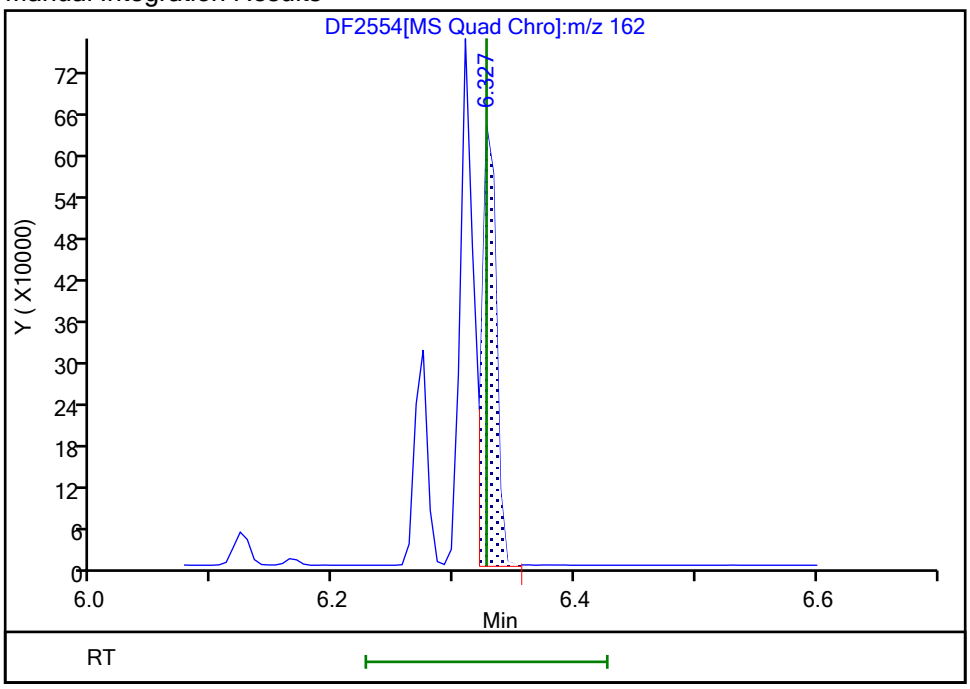
Not Detected
Expected RT: 6.33

Processing Integration Results



Manual Integration Results

RT: 6.33
Area: 505801
Amount: 7.425631
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:24:28 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2555.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 26-Jun-2025 00:59:50 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4
Misc. Info.: 410-0151574-006
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub58

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:28:22 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:25:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.413	1.407	0.006	89	68566	3.75	3.70	
3 N-Nitrosodimethylamine	74	1.617	1.617	0.000	88	98638	3.75	3.72	
4 Pyridine	79	1.646	1.646	0.000	96	349827	7.50	7.46	
6 Dimethylformamide	73	1.926	1.914	0.012	91	98379	3.75	3.42	
7 2-Picoline	93	2.189	2.188	0.000	90	198343	3.75	3.72	
8 N-Nitrosomethylethylamine	88	2.276	2.270	0.006	80	88308	3.75	3.76	
9 Methyl methanesulfonate	80	2.527	2.526	0.001	83	103204	3.75	3.79	
$ 10 2-Fluorophenol	112	2.684	2.684	0.000	90	341426	7.50	7.79	
11 N-Nitrosodiethylamine	102	2.882	2.882	0.000	83	88845	3.75	3.79	
12 Ethyl methanesulfonate	109	3.174	3.173	0.001	99	95557	3.75	3.73	
15 Benzaldehyde	77	3.506	3.506	0.000	97	153367	3.75	3.71	
$ 16 Phenol-d5	99	3.587	3.587	0.000	95	462182	7.50	7.68	
17 Phenol	94	3.599	3.599	0.000	85	255023	3.75	3.75	
18 Aniline	93	3.611	3.611	0.000	96	305078	3.75	3.79	
19 Bis(2-chloroethyl)ether	93	3.675	3.681	-0.006	98	185092	3.75	3.76	
20 2-Chlorophenol	128	3.727	3.727	0.000	94	168250	3.75	3.80	
21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	95	189978	3.75	3.78	
* 22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	95	167807	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	93	190718	3.75	3.83	
25 Benzyl alcohol	108	4.071	4.071	0.000	91	114846	3.75	3.76	
26 1,2-Dichlorobenzene	146	4.094	4.094	0.000	95	176844	3.75	3.71	
28 2-Methylphenol	108	4.194	4.193	0.001	94	160190	3.75	3.79	
29 2,2'-oxybis[1-chloropropane]	45	4.205	4.205	0.000	92	167678	3.75	3.78	
31 N-Nitrosopyrrolidine	100	4.304	4.304	0.000	89	94194	3.75	3.79	
34 Acetophenone	105	4.328	4.328	0.000	97	263854	3.75	3.74	
33 N-Nitrosodi-n-propylamine	70	4.333	4.333	0.000	74	132962	3.75	3.87	
32 4-Methylphenol	108	4.345	4.345	0.000	95	190219	3.75	3.90	
35 N-Nitrosomorpholine	56	4.345	4.351	-0.006	73	95398	3.75	3.73	
36 2-Toluidine	106	4.363	4.363	0.001	95	295699	3.75	3.88	
38 Hexachloroethane	117	4.421	4.421	0.000	95	75326	3.75	3.60	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.468	4.473	-0.005	85	388968	7.50	7.41	
40 Nitrobenzene	77	4.491	4.491	0.000	84	193852	3.75	3.77	
42 N-Nitrosopiperidine	114	4.637	4.636	0.001	90	85343	3.75	3.65	
43 Isophorone	82	4.724	4.724	0.000	96	341734	3.75	3.75	
44 2-Nitrophenol	139	4.800	4.800	0.000	89	83905	3.75	3.75	
45 2,4-Dimethylphenol	107	4.858	4.858	0.000	96	183022	3.75	3.77	
46 o,o',o''-Triethylphosphorothioat	198	4.922	4.922	0.000	90	83978	3.75	3.77	
47 Bis(2-chloroethoxy)methane	93	4.945	4.951	-0.006	96	219108	3.75	3.66	
48 2,4-Dichlorophenol	162	5.039	5.039	0.000	94	130966	3.75	3.74	
49 1,2,4-Trichlorobenzene	180	5.109	5.114	-0.005	94	146916	3.75	3.69	
* 50 Naphthalene-d8	136	5.161	5.161	0.000	99	622502	5.00	5.00	
51 Naphthalene	128	5.184	5.184	0.000	97	489505	3.75	3.66	
52 Alpha-Terpineol	59	5.202	5.208	-0.006	92	119656	3.75	3.71	
53 4-Chloroaniline	127	5.243	5.248	-0.005	94	196926	3.75	3.73	
54 2,6-Dichlorophenol	162	5.249	5.254	-0.005	90	130416	3.75	3.77	
55 Hexachloropropene	213	5.266	5.272	-0.006	87	107682	3.75	3.77	
56 Hexachlorobutadiene	225	5.313	5.313	0.000	97	85211	3.75	3.63	
60 Quinoline	129	5.505	5.505	0.000	96	315858	3.75	3.66	
61 Caprolactam	113	5.552	5.557	-0.005	87	45617	3.75	3.60	
62 N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	87	135522	3.75	3.19	
63 p-Phenylene diamine	108	5.587	5.587	0.001	96	173526	3.75	3.82	
64 4-Chloro-3-methylphenol	107	5.732	5.732	0.000	94	151754	3.75	3.73	
65 Safrole, Total	162	5.779	5.779	0.000	88	121207	3.75	3.73	
66 2-Methylnaphthalene	142	5.849	5.849	0.000	90	284388	3.75	3.78	
67 1-Methylnaphthalene	142	5.942	5.942	0.000	91	294456	3.75	3.75	
68 Hexachlorocyclopentadiene	237	6.000	6.000	0.000	94	101324	3.75	3.88	
69 1,2,4,5-Tetrachlorobenzene	216	6.006	6.012	-0.006	97	148552	3.75	3.72	
70 Isosafrole Peak 1	162	6.059	6.059	0.000	89	21196	0.6000	0.6168	
71 2,4,6-Trichlorophenol	196	6.129	6.129	0.000	92	90721	3.75	3.89	
72 2,4,5-Trichlorophenol	196	6.164	6.164	0.000	94	103363	3.75	4.04	
$ 73 2-Fluorobiphenyl (Surr)	172	6.204	6.210	-0.006	99	693733	7.50	7.74	
74 Isosafrole Peak 2	162	6.274	6.274	0.000	90	119646	3.15	3.22	
75 1,1'-Biphenyl	154	6.298	6.298	0.000	96	380587	3.75	3.79	
76 2-Chloronaphthalene	162	6.309	6.309	0.000	97	319003	3.75	4.05	M
77 1-Chloronaphthalene	162	6.327	6.327	0.000	97	252829	3.75	3.63	Ma
78 Phenyl ether	170	6.403	6.403	0.000	83	213623	3.75	3.79	
79 2-Nitroaniline	138	6.414	6.414	0.000	84	96191	3.75	3.92	
81 1,4-Naphthoquinone	158	6.484	6.484	0.000	86	109611	3.75	3.98	
84 1,4-Dinitrobenzene	168	6.554	6.554	0.000	87	47587	3.75	3.91	
85 Dimethyl phthalate	163	6.601	6.607	-0.006	99	327910	3.75	3.78	
86 1,3-Dinitrobenzene	168	6.624	6.624	0.000	86	53164	3.75	3.71	
87 2,6-Dinitrotoluene	165	6.653	6.653	0.000	94	72467	3.75	3.92	
88 Acenaphthylene	152	6.700	6.700	0.000	98	462938	3.75	3.85	
89 3-Nitroaniline	138	6.805	6.805	0.000	91	83892	3.75	4.08	
* 90 Acenaphthene-d10	164	6.834	6.834	0.000	95	319237	5.00	5.00	
91 Acenaphthene	153	6.863	6.863	0.000	95	297282	3.75	3.65	
92 2,4-Dinitrophenol	184	6.910	6.910	0.000	89	135449	11.3	10.6	
94 Pentachlorobenzene	250	6.991	6.991	0.000	98	130589	3.75	3.74	
93 4-Nitrophenol	109	6.997	7.003	-0.006	82	110136	7.50	7.99	
96 Dibenzofuran	168	7.026	7.032	-0.006	96	420848	3.75	3.78	
95 2,4-Dinitrotoluene	165	7.032	7.032	0.000	90	105370	3.75	4.14	
97 1-Naphthylamine	143	7.108	7.108	0.000	99	292320	3.75	3.83	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,3,4,6-Tetrachlorophenol	232	7.155	7.154	0.000	74	79746	3.75	3.76	
99 2-Naphthylamine	143	7.184	7.184	0.000	95	309567	3.75	3.85	
100 Diethyl phthalate	149	7.277	7.277	0.000	98	338936	3.75	3.88	
101 Thionazin	107	7.347	7.347	0.000	80	65312	3.75	3.99	
102 Fluorene	166	7.353	7.353	0.000	93	335016	3.75	3.86	
103 4-Chlorophenyl phenyl ether	204	7.364	7.364	0.000	89	158122	3.75	3.69	
104 N-Nitro-o-toluidine	152	7.370	7.376	-0.006	90	98110	3.75	4.16	
105 4-Nitroaniline	138	7.382	7.382	0.000	81	85175	3.75	4.21	
106 4,6-Dinitro-2-methylphenol	198	7.411	7.417	-0.006	85	120303	7.50	7.51	
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	62	238984	3.19	3.26	
108 1,2-Diphenylhydrazine	77	7.510	7.516	-0.006	41	344113	3.75	3.76	
$ 109 2,4,6-Tribromophenol	330	7.580	7.580	0.000	92	98590	7.50	7.65	
110 Sulfotepp	97	7.650	7.650	0.000	78	62085	3.75	3.81	
112 1,3,5-Trinitrobenzene	213	7.749	7.749	0.000	85	32869	3.75	3.67	
113 cis-Diallate	86	7.761	7.761	0.000	0	108773	2.78	2.70	
114 Phorate	75	7.767	7.766	0.001	94	215456	3.75	3.58	
115 Phenacetin	108	7.784	7.784	0.000	92	174275	3.75	3.89	
116 4-Bromophenyl phenyl ether	248	7.825	7.825	0.000	62	95005	3.75	3.72	
117 trans-Diallate	86	7.842	7.842	0.000	0	39587	0.9750	0.9595	
118 Hexachlorobenzene	284	7.866	7.866	0.000	93	104289	3.75	3.65	
119 Dimethoate	87	7.918	7.924	-0.006	95	139001	3.75	3.95	
120 Atrazine	200	8.000	8.000	0.000	94	92165	3.75	4.00	
121 Pentachlorophenol	266	8.064	8.064	0.000	91	122267	7.50	7.46	
123 Pentachloronitrobenzene	237	8.070	8.070	0.000	82	49214	3.75	3.88	
122 4-Aminobiphenyl	169	8.070	8.070	0.000	92	392234	3.75	4.02	
124 Pronamide	173	8.145	8.145	0.000	90	144546	3.75	3.80	
* 126 Phenanthrene-d10	188	8.233	8.233	0.000	98	571283	5.00	5.00	
125 Dinoseb	211	8.250	8.250	0.000	94	81009	3.75	3.47	
128 Phenanthrene	178	8.256	8.256	0.000	98	472502	3.75	3.74	
127 Disulfoton	88	8.262	8.262	0.000	96	213561	3.75	3.85	
129 Anthracene	178	8.303	8.303	0.000	98	476177	3.75	3.85	
130 Carbazole	167	8.466	8.466	0.000	96	444876	3.75	3.84	
131 Methyl parathion	109	8.612	8.612	0.000	91	110477	3.75	3.95	
133 Di-n-butyl phthalate	149	8.827	8.833	-0.006	100	468911	3.75	3.79	
134 Ethyl Parathion	109	8.985	8.990	-0.005	84	66283	3.75	4.00	
135 4-Nitroquinoline-1-oxide	190	8.996	8.996	0.000	79	28635	3.75	3.88	
140 Octachlorostyrene	308	9.206	9.212	-0.006	90	41125	3.75	3.87	
141 Isodrin	193	9.235	9.235	0.000	94	55586	3.75	3.74	
143 Fluoranthene	202	9.381	9.381	0.000	98	496041	3.75	3.78	
147 Benzidine	184	9.527	9.533	-0.005	99	1015536	11.3	11.9	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	99	573443	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	97	528950	3.75	3.61	
S 136 Diallate	86				0		3.75	3.66	
$ 152 p-Terphenyl-d14	244	9.766	9.766	0.000	100	656198	7.50	7.44	
154 p-Dimethylamino azobenzene	225	9.900	9.900	0.000	93	79917	3.75	3.67	
155 Chlorobenzilate	139	9.952	9.952	0.000	87	159601	3.75	3.94	
156 3,3'-Dimethylbenzidine	212	10.226	10.226	0.000	99	275675	3.75	3.76	
157 Butyl benzyl phthalate	149	10.255	10.255	0.000	97	209479	3.75	3.87	
158 2-Acetylaminofluorene	181	10.471	10.471	0.000	93	159917	3.75	3.22	
159 3,3'-Dichlorobenzidine	252	10.774	10.774	0.000	76	169562	3.75	3.84	
161 Benzo[a]anthracene	228	10.780	10.780	0.000	99	434114	3.75	3.77	
160 4,4'-Methylene bis(2-chloroanil	231	10.786	10.786	0.000	95	95607	3.75	3.85	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.815	10.815	0.000	97	426757	3.75	3.71	
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	95	274804	3.75	3.72	
164 6-Methylchrysene	242	11.328	11.328	0.000	98	288569	3.75	3.73	
165 Di-n-octyl phthalate	149	11.654	11.654	0.000	98	368570	3.75	3.34	
166 7,12-Dimethylbenz(a)anthracene	256	12.033	12.033	0.000	88	184994	3.75	3.81	
167 Benzo[b]fluoranthene	252	12.027	12.033	-0.006	97	409309	3.75	3.70	
168 Benzo[k]fluoranthene	252	12.068	12.068	0.000	99	454701	3.75	3.96	
169 Benzo[a]pyrene	252	12.441	12.441	0.000	77	378821	3.75	3.79	
* 170 Perylene-d12	264	12.511	12.517	-0.006	98	454820	5.00	5.00	
171 3-Methylcholanthrene	268	12.919	12.925	-0.006	91	177098	3.75	3.65	
172 Dibenz[a,h]acridine	279	13.653	13.653	0.000	91	276152	3.75	3.75	
173 Dibenz[a,j]acridine	279	13.723	13.723	0.000	96	312444	3.75	3.90	
174 Indeno[1,2,3-cd]pyrene	276	13.945	13.945	0.000	99	338604	3.75	3.76	
175 Dibenz(a,h)anthracene	278	13.986	13.991	-0.005	93	352100	3.75	3.73	
176 Benzo[g,h,i]perylene	276	14.295	14.294	0.001	98	354801	3.75	3.71	
S 178 Dinitrotoluene	165				0		7.50	8.07	
S 182 Isosafrole	162				0		3.75	3.84	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_4_00041 Amount Added: 1.00 Units: mL

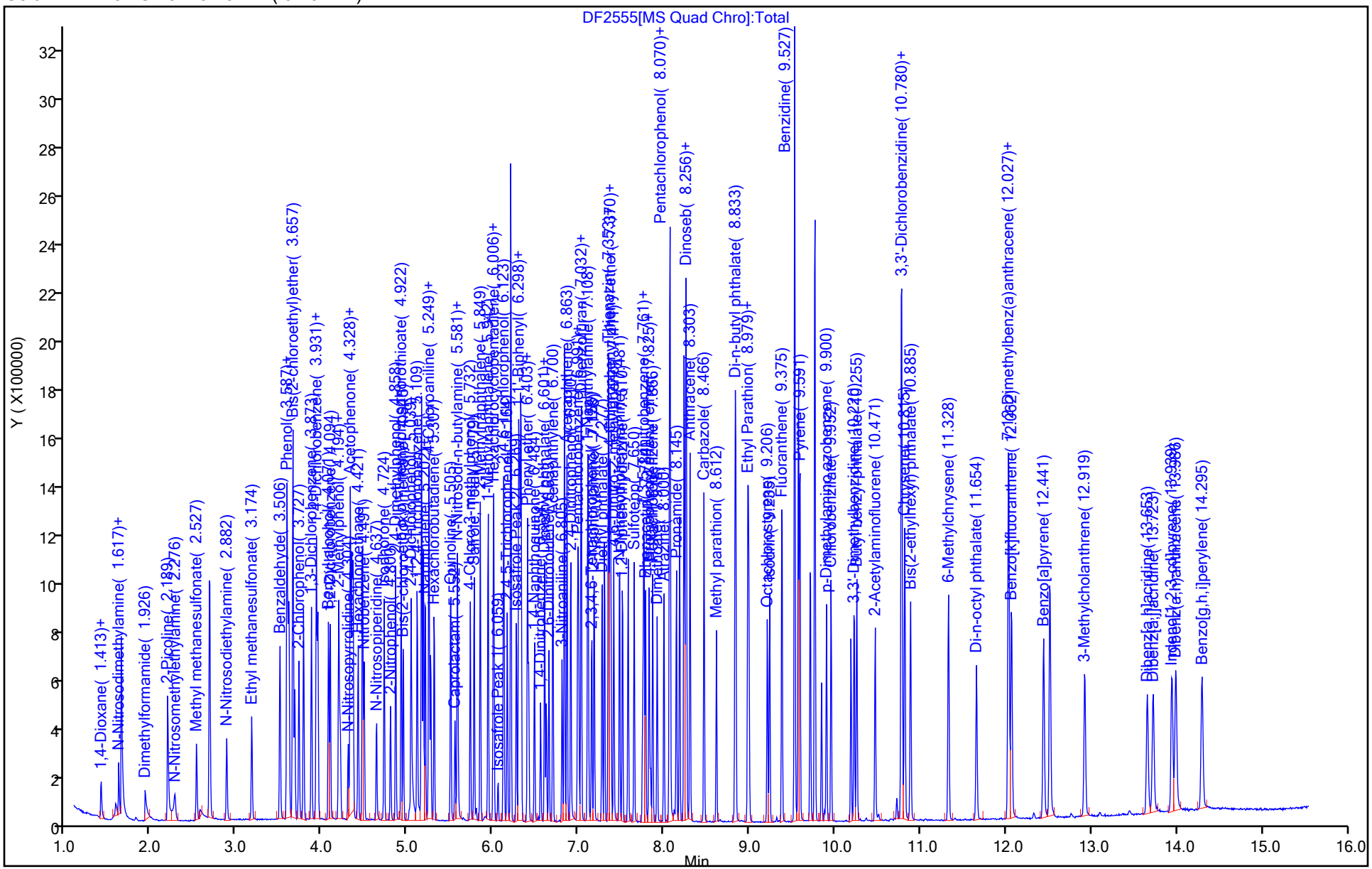
Report Date: 26-Jun-2025 08:28:22 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2555.D

Injection Date:	26-Jun-2025 00:59:50	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L4			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

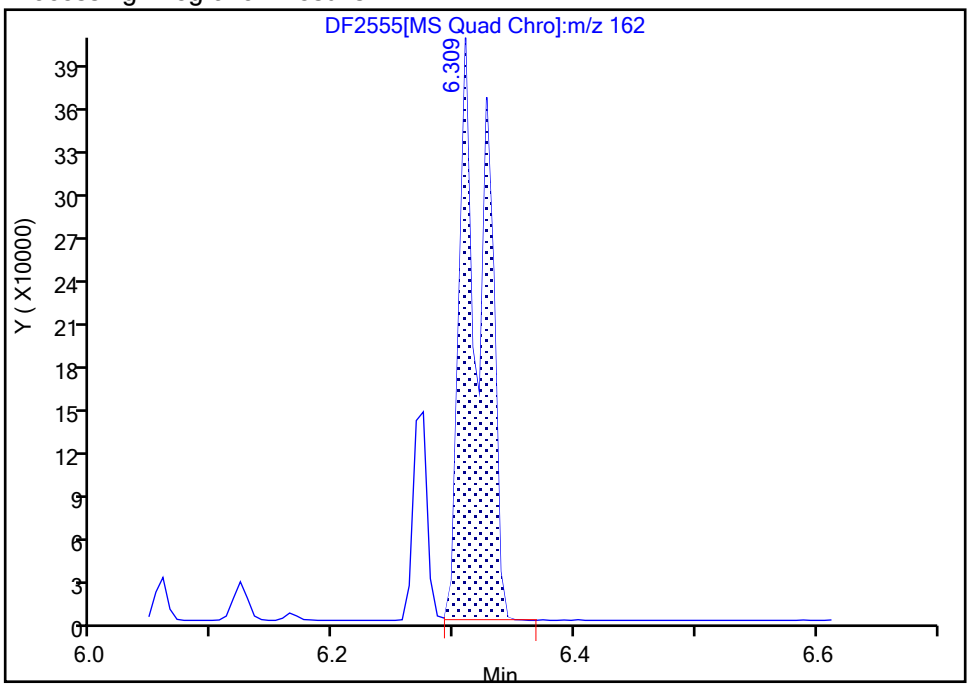
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2555.D				
Injection Date:	26-Jun-2025 00:59:50	Instrument ID:	HP19760		
Lims ID:	IC L4				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

76 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

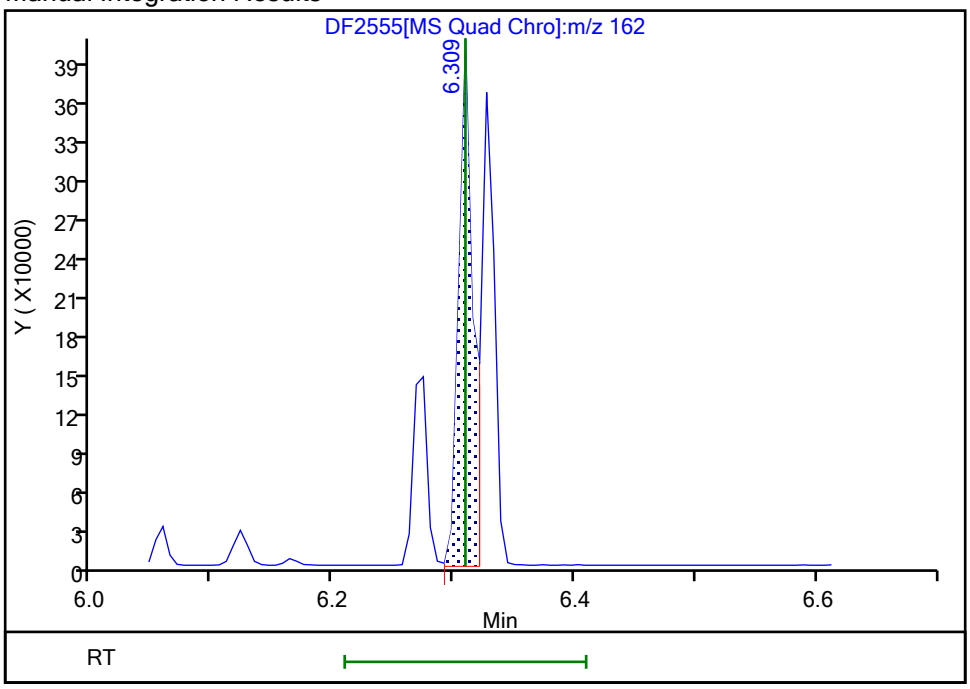
Processing Integration Results

RT: 6.31
Area: 571832
Amount: 5.039628
Amount Units: ug/ml



Manual Integration Results

RT: 6.31
Area: 319003
Amount: 4.051775
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:25:26 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

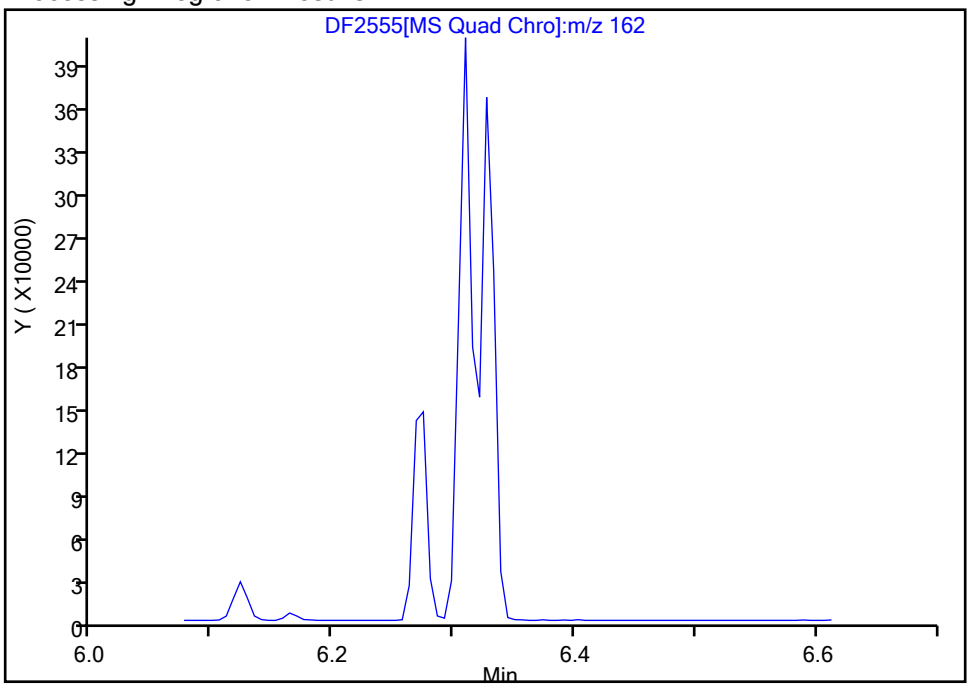
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2555.D				
Injection Date:	26-Jun-2025 00:59:50	Instrument ID:	HP19760		
Lims ID:	IC L4				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

77 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

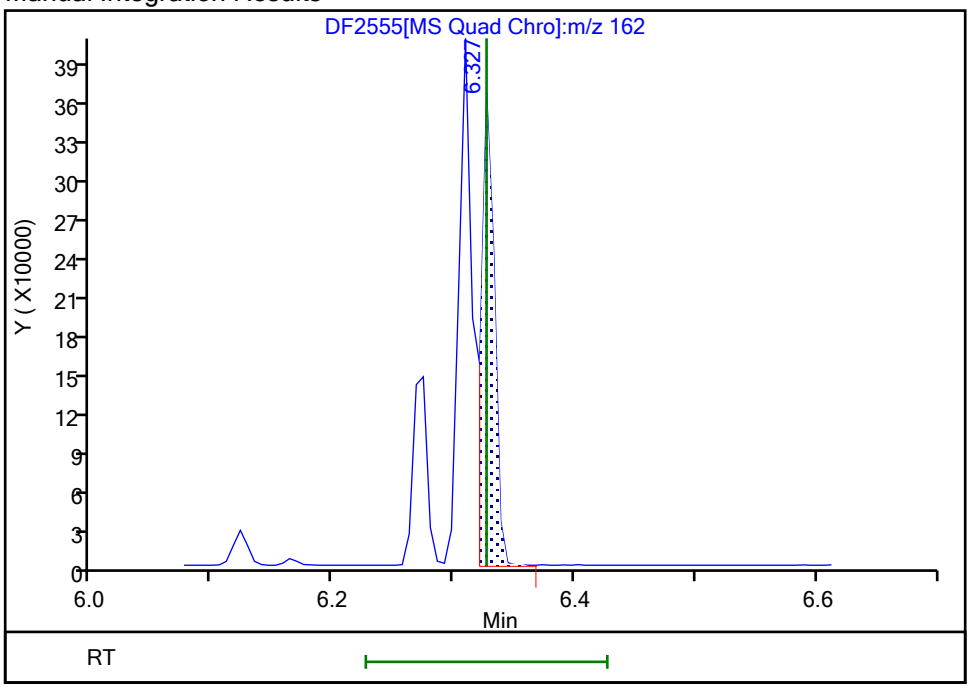
Not Detected
Expected RT: 6.33

Processing Integration Results



Manual Integration Results

RT: 6.33
Area: 252829
Amount: 3.628051
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:25:34 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2556.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 26-Jun-2025 01:20:52 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0151574-007
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub58

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:28:42 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:27:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.413	1.407	0.006	91	25301	1.25	1.43	
3 N-Nitrosodimethylamine	74	1.623	1.617	0.006	88	30469	1.25	1.21	
4 Pyridine	79	1.652	1.646	0.006	96	112916	2.50	2.53	
6 Dimethylformamide	73	1.955	1.914	0.041	91	34063	1.25	1.25	M
7 2-Picoline	93	2.194	2.188	0.006	90	62766	1.25	1.24	
8 N-Nitrosomethylethylamine	88	2.276	2.270	0.006	80	30064	1.25	1.34	
9 Methyl methanesulfonate	80	2.527	2.526	0.001	83	32079	1.25	1.24	
$ 10 2-Fluorophenol	112	2.678	2.684	-0.006	90	99146	2.50	2.38	
11 N-Nitrosodiethylamine	102	2.882	2.882	0.000	84	27505	1.25	1.23	
12 Ethyl methanesulfonate	109	3.174	3.173	0.001	100	30337	1.25	1.25	
15 Benzaldehyde	77	3.506	3.506	0.000	98	53453	1.25	1.36	
$ 16 Phenol-d5	99	3.587	3.587	0.000	95	140173	2.50	2.45	
17 Phenol	94	3.599	3.599	0.000	90	78407	1.25	1.21	
18 Aniline	93	3.611	3.611	0.000	96	92313	1.25	1.21	
19 Bis(2-chloroethyl)ether	93	3.675	3.681	-0.006	99	59293	1.25	1.27	
20 2-Chlorophenol	128	3.727	3.727	0.000	94	52136	1.25	1.24	
21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	95	58162	1.25	1.22	
* 22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	95	159542	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	95	60549	1.25	1.28	
25 Benzyl alcohol	108	4.071	4.071	0.000	91	34815	1.25	1.20	
26 1,2-Dichlorobenzene	146	4.094	4.094	0.000	95	56026	1.25	1.23	
28 2-Methylphenol	108	4.194	4.193	0.001	94	48687	1.25	1.21	
29 2,2'-oxybis[1-chloropropane]	45	4.205	4.205	0.000	92	52269	1.25	1.24	
31 N-Nitrosopyrrolidine	100	4.304	4.304	0.000	89	29544	1.25	1.25	
34 Acetophenone	105	4.328	4.328	0.000	96	82960	1.25	1.24	
33 N-Nitrosodi-n-propylamine	70	4.333	4.333	0.000	80	39915	1.25	1.22	
32 4-Methylphenol	108	4.345	4.345	0.000	90	57831	1.25	1.25	
35 N-Nitrosomorpholine	56	4.345	4.351	-0.006	79	29721	1.25	1.22	
36 2-Toluidine	106	4.363	4.363	0.001	91	94998	1.25	1.31	
38 Hexachloroethane	117	4.421	4.421	0.000	95	24386	1.25	1.23	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.468	4.473	-0.005	86	119234	2.50	2.47	
40 Nitrobenzene	77	4.485	4.491	-0.006	84	57730	1.25	1.22	
42 N-Nitrosopiperidine	114	4.637	4.636	0.001	90	26642	1.25	1.24	
43 Isophorone	82	4.724	4.724	0.000	96	101489	1.25	1.21	
44 2-Nitrophenol	139	4.800	4.800	0.000	89	25793	1.25	1.25	
45 2,4-Dimethylphenol	107	4.858	4.858	0.000	96	54063	1.25	1.21	
46 o,o',o''-Triethylphosphorothioat	198	4.922	4.922	0.000	88	26006	1.25	1.27	
47 Bis(2-chloroethoxy)methane	93	4.945	4.951	-0.006	97	65380	1.25	1.19	
48 2,4-Dichlorophenol	162	5.039	5.039	0.000	94	37232	1.25	1.16	
49 1,2,4-Trichlorobenzene	180	5.109	5.114	-0.005	94	46695	1.25	1.28	
* 50 Naphthalene-d8	136	5.161	5.161	0.000	99	572121	5.00	5.00	
51 Naphthalene	128	5.184	5.184	0.000	96	151246	1.25	1.23	
52 Alpha-Terpineol	59	5.202	5.208	-0.006	93	36934	1.25	1.24	
53 4-Chloroaniline	127	5.249	5.248	0.001	93	60866	1.25	1.26	
54 2,6-Dichlorophenol	162	5.249	5.254	-0.005	93	38375	1.25	1.21	
55 Hexachloropropene	213	5.272	5.272	0.000	87	32735	1.25	1.25	
56 Hexachlorobutadiene	225	5.307	5.313	-0.006	96	27071	1.25	1.26	
60 Quinoline	129	5.505	5.505	0.000	95	102497	1.25	1.29	
61 Caprolactam	113	5.552	5.557	-0.005	87	13582	1.25	1.17	
62 N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	86	46990	1.25	1.20	
63 p-Phenylene diamine	108	5.587	5.587	0.001	97	49433	1.25	1.19	
64 4-Chloro-3-methylphenol	107	5.732	5.732	0.000	93	45568	1.25	1.22	
65 Safrole, Total	162	5.779	5.779	0.000	88	37751	1.25	1.26	
66 2-Methylnaphthalene	142	5.849	5.849	0.000	91	87301	1.25	1.26	
67 1-Methylnaphthalene	142	5.942	5.942	0.000	91	88634	1.25	1.23	
68 Hexachlorocyclopentadiene	237	6.000	6.000	0.000	95	26557	1.25	1.09	
69 1,2,4,5-Tetrachlorobenzene	216	6.006	6.012	-0.006	97	47606	1.25	1.27	
70 Isosafrole Peak 1	162	6.059	6.059	0.000	87	6419	0.2000	0.1994	
71 2,4,6-Trichlorophenol	196	6.129	6.129	0.000	92	26972	1.25	1.23	
72 2,4,5-Trichlorophenol	196	6.164	6.164	0.000	91	29944	1.25	1.25	
$ 73 2-Fluorobiphenyl (Surr)	172	6.204	6.210	-0.006	99	217364	2.50	2.59	
74 Isosafrole Peak 2	162	6.274	6.274	0.000	91	38521	1.05	1.11	
75 1,1'-Biphenyl	154	6.298	6.298	0.000	97	118830	1.25	1.26	
76 2-Chloronaphthalene	162	6.309	6.309	0.000	94	102137	1.25	1.38	M
77 1-Chloronaphthalene	162	6.327	6.327	0.000	97	85117	1.25	1.30	Ma
78 Phenyl ether	170	6.403	6.403	0.000	83	68916	1.25	1.30	
79 2-Nitroaniline	138	6.414	6.414	0.000	83	27836	1.25	1.21	
81 1,4-Naphthoquinone	158	6.484	6.484	0.000	86	31469	1.25	1.22	
84 1,4-Dinitrobenzene	168	6.554	6.554	0.000	85	12752	1.25	1.12	
85 Dimethyl phthalate	163	6.601	6.607	-0.006	98	102818	1.25	1.27	
86 1,3-Dinitrobenzene	168	6.624	6.624	0.000	85	15702	1.25	1.17	
87 2,6-Dinitrotoluene	165	6.653	6.653	0.000	94	22785	1.25	1.32	
88 Acenaphthylene	152	6.700	6.700	0.000	98	141185	1.25	1.25	
89 3-Nitroaniline	138	6.805	6.805	0.000	91	23113	1.25	1.20	
* 90 Acenaphthene-d10	164	6.834	6.834	0.000	95	299113	5.00	5.00	
91 Acenaphthene	153	6.863	6.863	0.000	95	93540	1.25	1.23	
92 2,4-Dinitrophenol	184	6.910	6.910	0.000	88	51688	5.00	4.30	
94 Pentachlorobenzene	250	6.991	6.991	0.000	98	43883	1.25	1.34	
93 4-Nitrophenol	109	6.997	7.003	-0.006	83	48918	3.75	3.79	
96 Dibenzofuran	168	7.026	7.032	-0.006	95	134147	1.25	1.29	
95 2,4-Dinitrotoluene	165	7.032	7.032	0.000	89	30770	1.25	1.29	
97 1-Naphthylamine	143	7.102	7.108	-0.006	98	90947	1.25	1.27	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,3,4,6-Tetrachlorophenol	232	7.155	7.154	0.000	74	24655	1.25	1.24	
99 2-Naphthylamine	143	7.178	7.184	-0.006	94	97227	1.25	1.29	
100 Diethyl phthalate	149	7.271	7.277	-0.006	98	101383	1.25	1.24	
101 Thionazin	107	7.347	7.347	0.000	78	21149	1.25	1.38	
102 Fluorene	166	7.353	7.353	0.000	92	102661	1.25	1.26	
103 4-Chlorophenyl phenyl ether	204	7.364	7.364	0.000	90	51854	1.25	1.29	
104 N-Nitro-o-toluidine	152	7.370	7.376	-0.006	87	27952	1.25	1.26	
105 4-Nitroaniline	138	7.376	7.382	-0.006	80	24061	1.25	1.27	
106 4,6-Dinitro-2-methylphenol	198	7.411	7.417	-0.006	85	54575	3.75	3.60	
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	62	74490	1.06	1.08	
108 1,2-Diphenylhydrazine	77	7.510	7.516	-0.006	42	109049	1.25	1.26	
$ 109 2,4,6-Tribromophenol	330	7.580	7.580	0.000	91	30069	2.50	2.49	
110 Sulfotepp	97	7.650	7.650	0.000	73	18097	1.25	1.17	
112 1,3,5-Trinitrobenzene	213	7.749	7.749	0.000	83	8893	1.25	1.05	
113 cis-Diallate	86	7.761	7.761	0.000	0	34640	0.9250	0.9108	
114 Phorate	75	7.767	7.766	0.001	95	66071	1.25	1.22	
115 Phenacetin	108	7.778	7.784	-0.006	91	52271	1.25	1.23	
116 4-Bromophenyl phenyl ether	248	7.825	7.825	0.000	62	29995	1.25	1.24	
117 trans-Diallate	86	7.842	7.842	0.000	0	15096	0.3250	0.3869	
118 Hexachlorobenzene	284	7.866	7.866	0.000	94	34106	1.25	1.26	
119 Dimethoate	87	7.918	7.924	-0.006	95	42696	1.25	1.28	
120 Atrazine	200	8.000	8.000	0.000	94	29297	1.25	1.34	
121 Pentachlorophenol	266	8.064	8.064	0.000	90	32315	2.50	2.09	
123 Pentachloronitrobenzene	237	8.070	8.070	0.000	79	14036	1.25	1.17	
122 4-Aminobiphenyl	169	8.070	8.070	0.000	91	116098	1.25	1.26	
124 Pronamide	173	8.145	8.145	0.000	89	42962	1.25	1.19	
* 126 Phenanthrene-d10	188	8.233	8.233	0.000	98	540226	5.00	5.00	
125 Dinoseb	211	8.250	8.250	0.000	93	21272	1.25	0.9648	
128 Phenanthrene	178	8.256	8.256	0.000	98	151844	1.25	1.27	
127 Disulfoton	88	8.262	8.262	0.000	95	67211	1.25	1.28	
129 Anthracene	178	8.303	8.303	0.000	97	152403	1.25	1.30	
130 Carbazole	167	8.466	8.466	0.000	96	139299	1.25	1.27	
131 Methyl parathion	109	8.612	8.612	0.000	90	31035	1.25	1.17	
133 Di-n-butyl phthalate	149	8.827	8.833	-0.006	100	134068	1.25	1.15	
134 Ethyl Parathion	109	8.985	8.990	-0.005	83	17482	1.25	1.12	
135 4-Nitroquinoline-1-oxide	190	8.996	8.996	0.000	74	6980	1.25	2.25	
140 Octachlorostyrene	308	9.206	9.212	-0.006	91	12803	1.25	1.27	
141 Isodrin	193	9.235	9.235	0.000	93	17577	1.25	1.25	
143 Fluoranthene	202	9.381	9.381	0.000	98	152805	1.25	1.23	
147 Benzidine	184	9.527	9.533	-0.005	99	282015	3.75	3.55	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	99	532366	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	97	169865	1.25	1.25	
S 136 Diallate	86				0		1.25	1.30	
$ 152 p-Terphenyl-d14	244	9.766	9.766	0.000	100	209075	2.50	2.55	
154 p-Dimethylamino azobenzene	225	9.900	9.900	0.000	93	21425	1.25	1.06	
155 Chlorobenzilate	139	9.952	9.952	0.000	86	45939	1.25	1.22	
156 3,3'-Dimethylbenzidine	212	10.226	10.226	0.000	98	69130	1.25	1.02	
157 Butyl benzyl phthalate	149	10.255	10.255	0.000	96	61653	1.25	1.23	
158 2-Acetylaminofluorene	181	10.471	10.471	0.000	93	40505	1.25	0.8793	
159 3,3'-Dichlorobenzidine	252	10.774	10.774	0.000	74	49847	1.25	1.22	
161 Benzo[a]anthracene	228	10.774	10.780	-0.006	99	133226	1.25	1.25	
160 4,4'-Methylene bis(2-chloroanil	231	10.786	10.786	0.000	94	29340	1.25	1.27	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.815	10.815	0.000	97	131732	1.25	1.23	
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	95	72962	1.25	1.06	
164 6-Methylchrysene	242	11.328	11.328	0.000	99	89470	1.25	1.25	
165 Di-n-octyl phthalate	149	11.654	11.654	0.000	98	90485	1.25	0.8936	
166 7,12-Dimethylbenz(a)anthracene	256	12.027	12.033	-0.006	69	49366	1.25	1.11	
167 Benzo[b]fluoranthene	252	12.027	12.033	-0.006	97	119263	1.25	1.17	
168 Benzo[k]fluoranthene	252	12.062	12.068	-0.006	99	137465	1.25	1.30	
169 Benzo[a]pyrene	252	12.441	12.441	0.000	78	106196	1.25	1.16	
* 170 Perylene-d12	264	12.517	12.517	0.000	98	417787	5.00	5.00	
171 3-Methylcholanthrene	268	12.925	12.925	0.000	91	49055	1.25	1.10	
172 Dibenz[a,h]acridine	279	13.653	13.653	0.000	91	80481	1.25	1.19	
173 Dibenz[a,j]acridine	279	13.723	13.723	0.000	96	82318	1.25	1.12	
174 Indeno[1,2,3-cd]pyrene	276	13.939	13.945	-0.006	99	98901	1.25	1.20	
175 Dibenz(a,h)anthracene	278	13.986	13.991	-0.005	94	103868	1.25	1.20	
176 Benzo[g,h,i]perylene	276	14.295	14.294	0.001	98	106314	1.25	1.21	
S 178 Dinitrotoluene	165				0		2.50	2.61	
S 182 Isosafrole	162				0		1.25	1.31	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_3_00042 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 08:28:43 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2556.D

Injection Date: 26-Jun-2025 01:20:52 Instrument ID: HP19760 Operator ID: IR93211

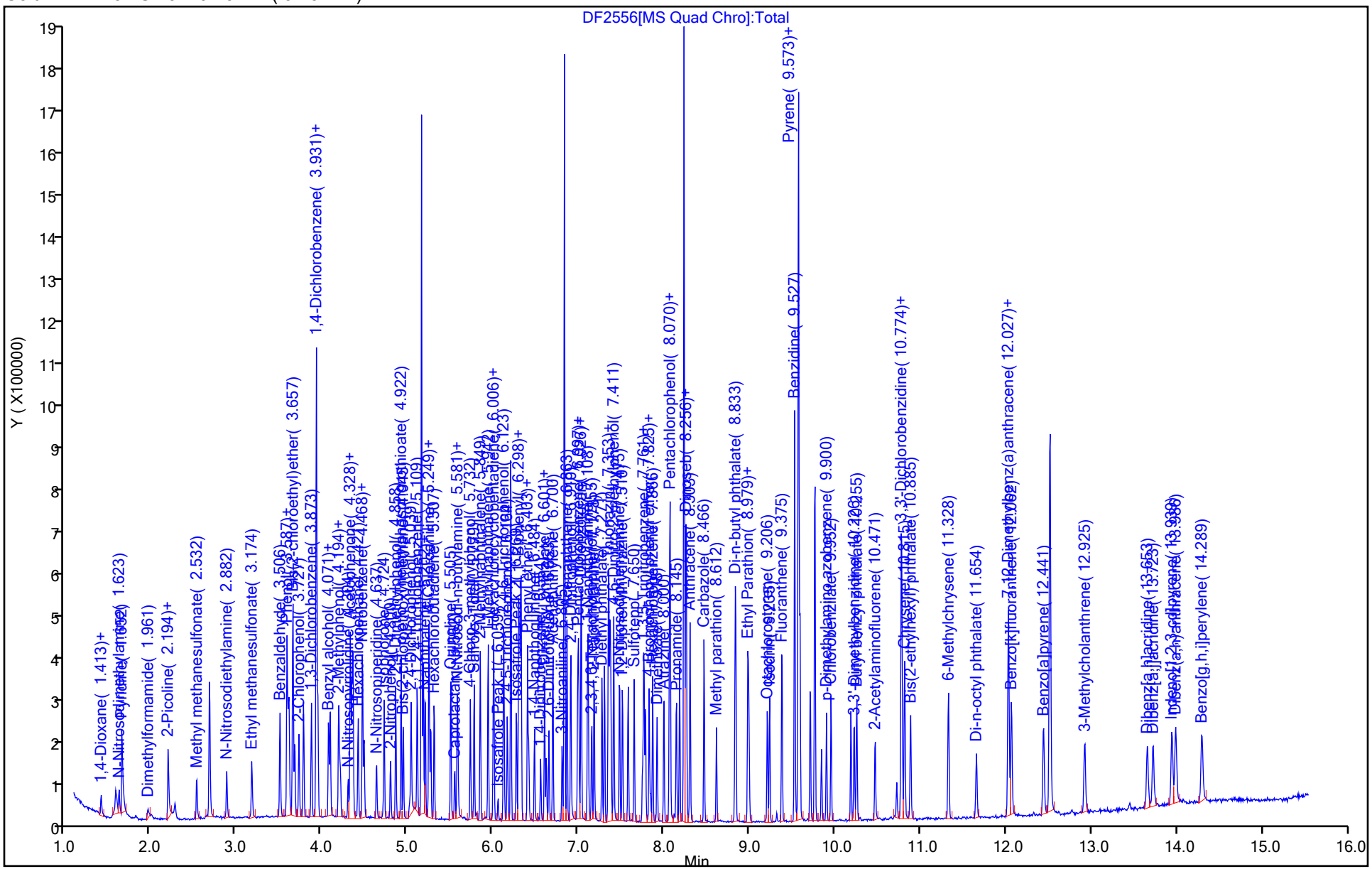
Lims ID: IC L3 Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

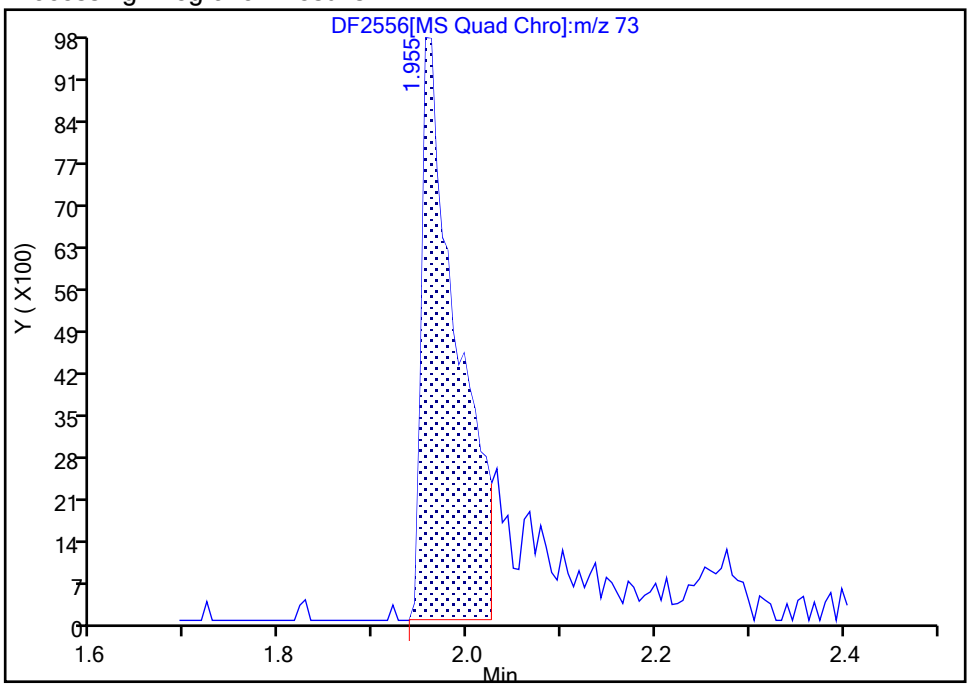
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2556.D				
Injection Date:	26-Jun-2025 01:20:52	Instrument ID:	HP19760		
Lims ID:	IC L3				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

6 Dimethylformamide, CAS: 68-12-2

Signal: 1

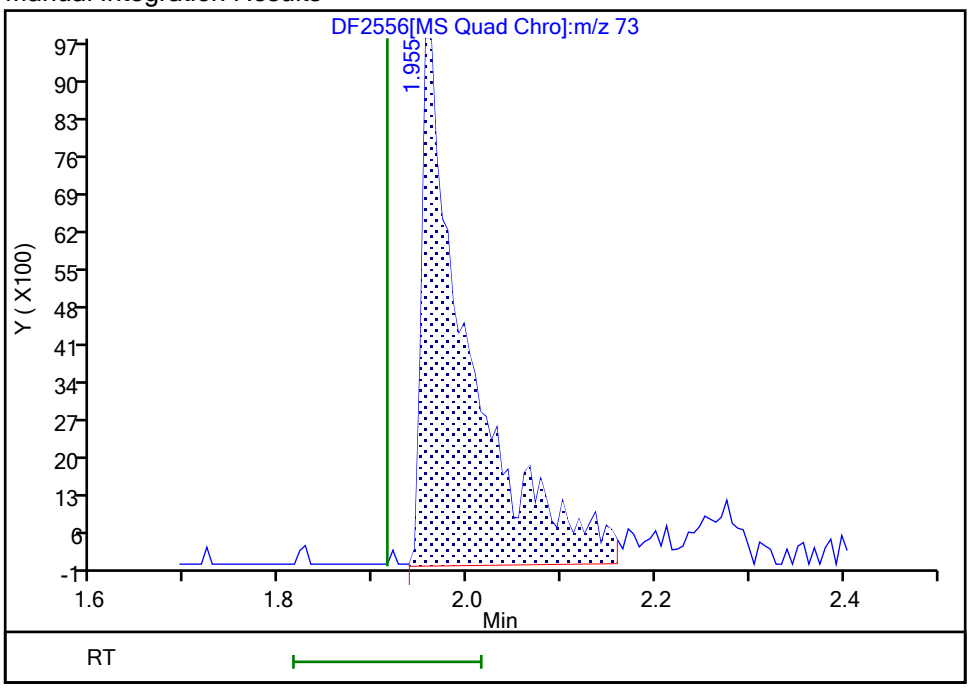
Processing Integration Results

RT: 1.96
Area: 25091
Amount: 1.212346
Amount Units: ug/ml



Manual Integration Results

RT: 1.96
Area: 34063
Amount: 1.245270
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:26:33 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

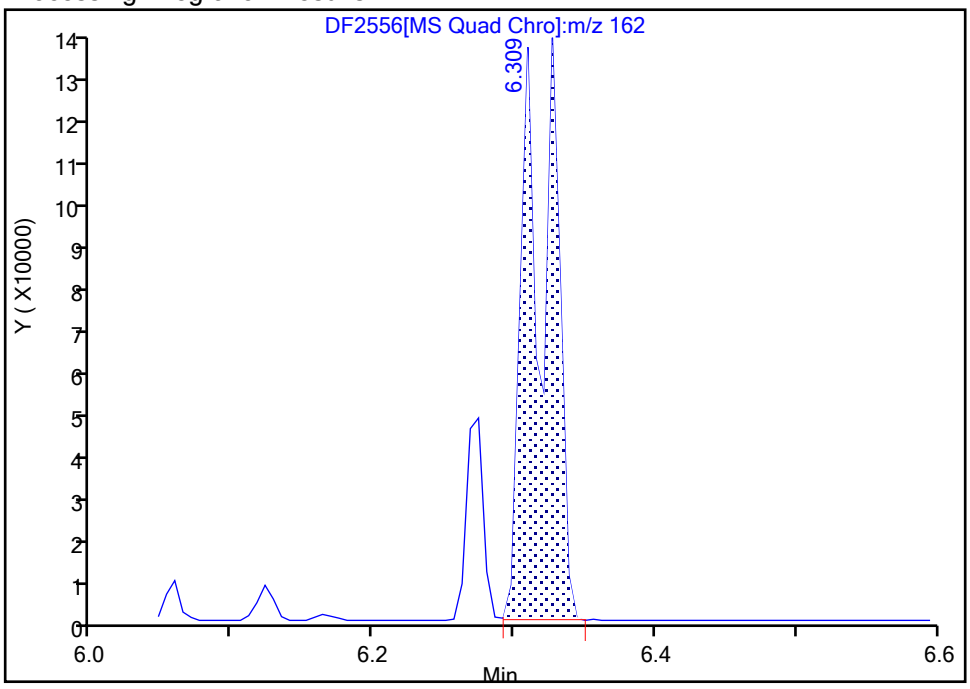
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2556.D				
Injection Date:	26-Jun-2025 01:20:52	Instrument ID:	HP19760		
Lims ID:	IC L3				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

76 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

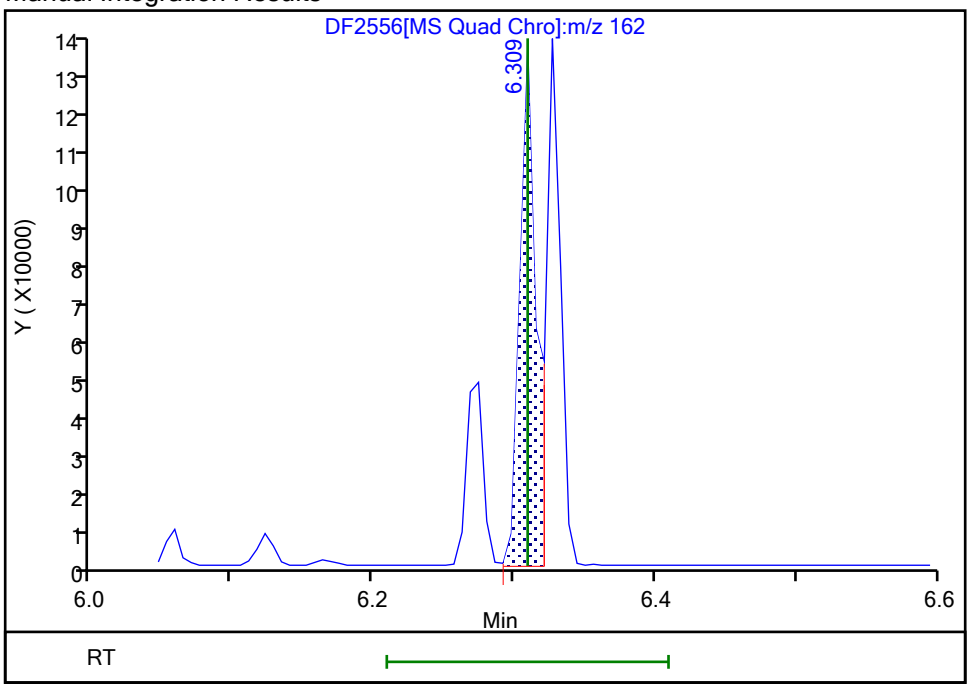
Processing Integration Results

RT: 6.31
Area: 187254
Amount: 1.902639
Amount Units: ug/ml



Manual Integration Results

RT: 6.31
Area: 102137
Amount: 1.384559
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:26:53 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

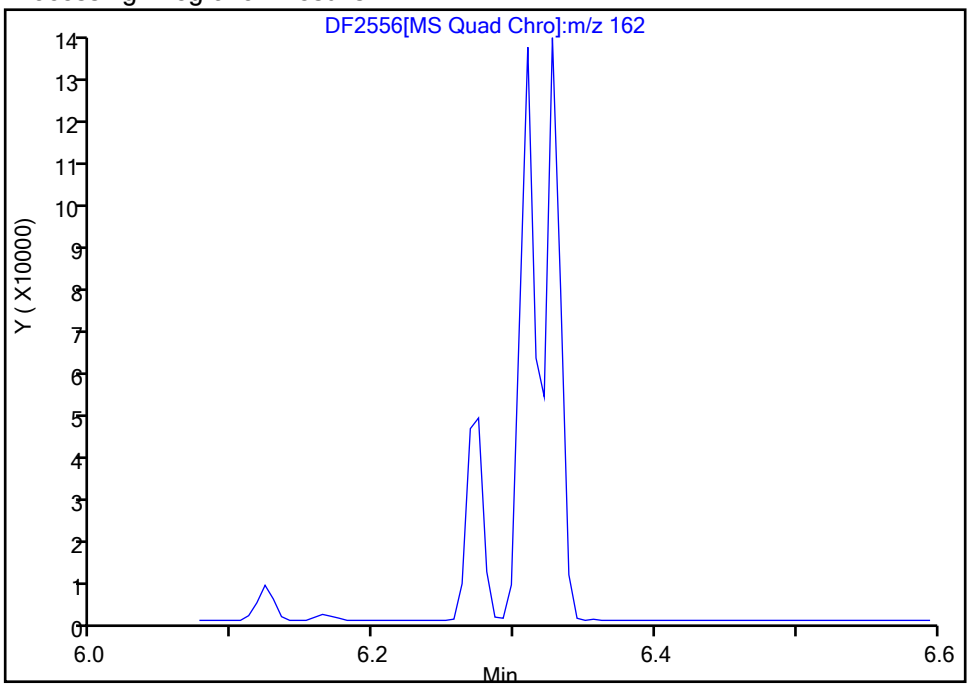
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2556.D				
Injection Date:	26-Jun-2025 01:20:52	Instrument ID:	HP19760		
Lims ID:	IC L3				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

77 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

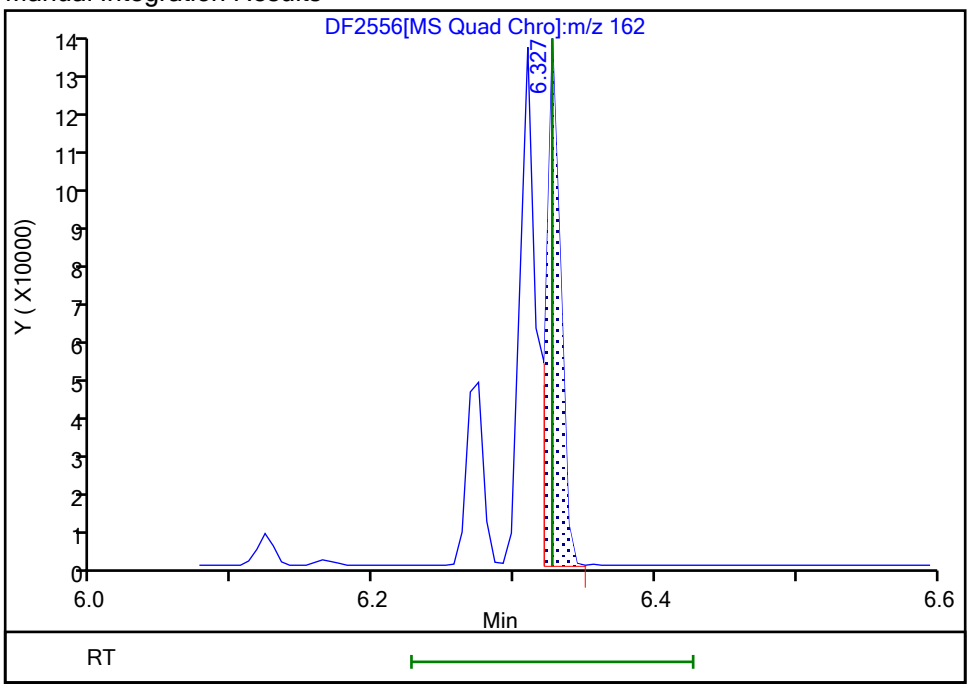
Not Detected
Expected RT: 6.33

Processing Integration Results



Manual Integration Results

RT: 6.33
Area: 85117
Amount: 1.303589
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:27:01 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2557.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 26-Jun-2025 01:41:40 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0151574-008
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub58

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:29:02 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:29:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.413	1.407	0.006	84	8142	0.2500	0.4488	
3 N-Nitrosodimethylamine	74	1.629	1.617	0.012	68	6465	0.2500	0.2491	
4 Pyridine	79	1.670	1.646	0.024	98	23414	0.5000	0.5103	
6 Dimethylformamide	73	2.019	1.914	0.105	41	7129	0.2500	0.2533	Ma
7 2-Picoline	93	2.206	2.188	0.018	90	12800	0.2500	0.2456	
8 N-Nitrosomethylethylamine	88	2.276	2.270	0.006	29	8816	0.2500	0.3833	
9 Methyl methanesulfonate	80	2.532	2.526	0.006	84	6156	0.2500	0.2311	
$ 10 2-Fluorophenol	112	2.684	2.684	0.000	91	20130	0.5000	0.4694	
11 N-Nitrosodiethylamine	102	2.882	2.882	0.000	80	5569	0.2500	0.2427	
12 Ethyl methanesulfonate	109	3.179	3.173	0.006	99	5710	0.2500	0.2281	
15 Benzaldehyde	77	3.506	3.506	0.000	94	9968	0.2500	0.2466	
$ 16 Phenol-d5	99	3.587	3.587	0.000	95	27952	0.5000	0.4746	
17 Phenol	94	3.605	3.599	0.006	81	15774	0.2500	0.2371	
18 Aniline	93	3.611	3.611	0.000	91	19129	0.2500	0.2429	
19 Bis(2-chloroethyl)ether	93	3.681	3.681	-0.001	100	12085	0.2500	0.2509	
20 2-Chlorophenol	128	3.727	3.727	0.000	94	10615	0.2500	0.2449	
21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	94	13620	0.2500	0.2768	
* 22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	96	164155	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	87	11775	0.2500	0.2418	
25 Benzyl alcohol	108	4.077	4.071	0.006	90	7152	0.2500	0.2392	
26 1,2-Dichlorobenzene	146	4.094	4.094	0.000	95	12074	0.2500	0.2586	
28 2-Methylphenol	108	4.193	4.193	0.000	92	8830	0.2500	0.2137	
29 2,2'-oxybis[1-chloropropane]	45	4.205	4.205	0.000	90	11265	0.2500	0.2598	
31 N-Nitrosopyrrolidine	100	4.304	4.304	0.000	86	5717	0.2500	0.2351	
34 Acetophenone	105	4.327	4.328	-0.001	97	16532	0.2500	0.2396	
33 N-Nitrosodi-n-propylamine	70	4.333	4.333	0.000	72	7768	0.2500	0.2311	
32 4-Methylphenol	108	4.351	4.345	0.006	94	10750	0.2500	0.2254	
35 N-Nitrosomorpholine	56	4.345	4.351	-0.006	83	6175	0.2500	0.2465	
36 2-Toluidine	106	4.362	4.363	0.000	94	18485	0.2500	0.2478	
38 Hexachloroethane	117	4.421	4.421	0.000	93	5147	0.2500	0.2513	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.467	4.473	-0.006	84	26337	0.5000	0.5254	
40 Nitrobenzene	77	4.491	4.491	0.000	83	12267	0.2500	0.2495	
42 N-Nitrosopiperidine	114	4.636	4.636	0.000	87	4892	0.2500	0.2189	
43 Isophorone	82	4.724	4.724	0.000	96	20209	0.2500	0.2324	
44 2-Nitrophenol	139	4.800	4.800	0.000	89	5241	0.2500	0.2452	
45 2,4-Dimethylphenol	107	4.858	4.858	0.000	95	10489	0.2500	0.2263	
46 o,o',o''-Triethylphosphorothioat	198	4.922	4.922	0.000	90	4869	0.2500	0.2287	
47 Bis(2-chloroethoxy)methane	93	4.951	4.951	0.000	94	14886	0.2500	0.2604	
48 2,4-Dichlorophenol	162	5.039	5.039	0.000	93	7949	0.2500	0.2378	
49 1,2,4-Trichlorobenzene	180	5.109	5.114	-0.005	94	9561	0.2500	0.2517	
* 50 Naphthalene-d8	136	5.161	5.161	0.000	99	594545	5.00	5.00	
51 Naphthalene	128	5.184	5.184	0.000	96	34499	0.2500	0.2701	
52 Alpha-Terpineol	59	5.202	5.208	-0.006	90	7168	0.2500	0.2325	
53 4-Chloroaniline	127	5.248	5.248	0.000	93	12182	0.2500	0.2418	
54 2,6-Dichlorophenol	162	5.248	5.254	-0.006	92	7716	0.2500	0.2332	
55 Hexachloropropene	213	5.272	5.272	0.000	89	5948	0.2500	0.2179	
56 Hexachlorobutadiene	225	5.313	5.313	0.000	94	5363	0.2500	0.2395	
60 Quinoline	129	5.505	5.505	0.000	95	19462	0.2500	0.2361	
61 Caprolactam	113	5.551	5.557	-0.006	82	2609	0.2500	0.2159	
62 N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	86	12643	0.2500	0.3119	
63 p-Phenylene diamine	108	5.592	5.587	0.006	94	7675	0.2500	0.1771	
64 4-Chloro-3-methylphenol	107	5.732	5.732	0.000	90	8530	0.2500	0.2195	
65 Safrole, Total	162	5.779	5.779	0.000	91	7316	0.2500	0.2356	
66 2-Methylnaphthalene	142	5.849	5.849	0.000	89	17587	0.2500	0.2447	
67 1-Methylnaphthalene	142	5.942	5.942	0.000	90	19034	0.2500	0.2540	
68 Hexachlorocyclopentadiene	237	6.000	6.000	0.000	94	5259	0.2500	0.2076	
69 1,2,4,5-Tetrachlorobenzene	216	6.006	6.012	-0.006	96	10165	0.2500	0.2625	
70 Isosafrole Peak 1	162	6.059	6.059	0.000	1	1066	0.0400	0.0320	a
71 2,4,6-Trichlorophenol	196	6.129	6.129	0.000	88	5184	0.2500	0.2292	
72 2,4,5-Trichlorophenol	196	6.169	6.164	0.005	89	4696	0.2500	0.1893	
$ 73 2-Fluorobiphenyl (Surr)	172	6.204	6.210	-0.006	99	43166	0.5000	0.4966	
74 Isosafrole Peak 2	162	6.274	6.274	0.000	84	6361	0.2100	0.1765	
75 1,1'-Biphenyl	154	6.298	6.298	0.000	93	26482	0.2500	0.2717	
76 2-Chloronaphthalene	162	6.309	6.309	0.000	94	19809	0.2500	0.2593	M
77 1-Chloronaphthalene	162	6.327	6.327	0.000	97	17560	0.2500	0.2597	Ma
78 Phenyl ether	170	6.402	6.403	-0.001	82	14512	0.2500	0.2653	
79 2-Nitroaniline	138	6.414	6.414	0.000	76	4594	0.2500	0.1930	
81 1,4-Naphthoquinone	158	6.484	6.484	0.000	81	5320	0.2500	0.1989	
84 1,4-Dinitrobenzene	168	6.554	6.554	0.000	84	2469	0.2500	0.2090	
85 Dimethyl phthalate	163	6.601	6.607	-0.006	97	19917	0.2500	0.2369	
86 1,3-Dinitrobenzene	168	6.624	6.624	0.000	82	2221	0.2500	0.1597	
87 2,6-Dinitrotoluene	165	6.653	6.653	0.000	91	3697	0.2500	0.2063	
88 Acenaphthylene	152	6.700	6.700	0.000	98	28847	0.2500	0.2471	
89 3-Nitroaniline	138	6.810	6.805	0.005	87	4167	0.2500	0.2088	
* 90 Acenaphthene-d10	164	6.834	6.834	0.000	95	309731	5.00	5.00	
91 Acenaphthene	153	6.863	6.863	0.000	96	20675	0.2500	0.2619	
92 2,4-Dinitrophenol	184	6.910	6.910	0.000	87	20189	2.50	1.62	
94 Pentachlorobenzene	250	6.991	6.991	0.000	96	9130	0.2500	0.2692	
93 4-Nitrophenol	109	7.003	7.003	0.000	82	16834	1.50	1.26	
96 Dibenzofuran	168	7.032	7.032	0.000	96	27552	0.2500	0.2552	
95 2,4-Dinitrotoluene	165	7.032	7.032	0.000	62	5010	0.2500	0.2031	
97 1-Naphthylamine	143	7.108	7.108	0.000	98	17205	0.2500	0.2325	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,3,4,6-Tetrachlorophenol	232	7.154	7.154	0.000	74	4611	0.2500	0.2238	
99 2-Naphthylamine	143	7.184	7.184	0.000	94	17373	0.2500	0.2226	
100 Diethyl phthalate	149	7.271	7.277	-0.006	97	20828	0.2500	0.2460	
101 Thionazin	107	7.347	7.347	0.000	79	3594	0.2500	0.2263	
102 Fluorene	166	7.353	7.353	0.000	93	20656	0.2500	0.2456	
103 4-Chlorophenyl phenyl ether	204	7.364	7.364	0.000	90	10741	0.2500	0.2582	
104 N-Nitro-o-toluidine	152	7.376	7.376	0.000	88	4757	0.2500	0.2078	
105 4-Nitroaniline	138	7.382	7.382	0.000	89	4285	0.2500	0.2182	
106 4,6-Dinitro-2-methylphenol	198	7.411	7.417	-0.006	84	17478	1.50	1.11	
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	68	14062	0.2125	0.1946	
108 1,2-Diphenylhydrazine	77	7.510	7.516	-0.006	41	21673	0.2500	0.2397	
$ 109 2,4,6-Tribromophenol	330	7.580	7.580	0.000	90	5362	0.5000	0.4290	
110 Sulfotepp	97	7.650	7.650	0.000	78	4005	0.2500	0.2490	
112 1,3,5-Trinitrobenzene	213	7.749	7.749	0.000	66	1642	0.2500	0.1855	
113 cis-Diallate	86	7.755	7.761	-0.006	0	9231	0.1850	0.2325	
114 Phorate	75	7.766	7.766	0.000	95	12136	0.2500	0.2297	
115 Phenacetin	108	7.784	7.784	0.000	90	9854	0.2500	0.2230	
116 4-Bromophenyl phenyl ether	248	7.825	7.825	0.000	63	5741	0.2500	0.2278	
117 trans-Diallate	86	7.842	7.842	0.000	0	3766	0.0650	0.0925	
118 Hexachlorobenzene	284	7.865	7.866	-0.001	91	6891	0.2500	0.2441	
119 Dimethoate	87	7.918	7.924	-0.006	95	7136	0.2500	0.2055	
120 Atrazine	200	8.000	8.000	0.000	94	5028	0.2500	0.2209	
121 Pentachlorophenol	266	8.064	8.064	0.000	92	14318	1.25	0.8851	
123 Pentachloronitrobenzene	237	8.069	8.070	-0.001	70	3245	0.2500	0.2591	
122 4-Aminobiphenyl	169	8.069	8.070	-0.001	91	21947	0.2500	0.2281	
124 Pronamide	173	8.145	8.145	0.000	89	7840	0.2500	0.2087	
* 126 Phenanthrene-d10	188	8.233	8.233	0.000	97	563934	5.00	5.00	
125 Dinoseb	211	8.250	8.250	0.000	63	3538	0.2500	0.1537	
128 Phenanthrene	178	8.256	8.256	0.000	97	33451	0.2500	0.2686	
127 Disulfoton	88	8.262	8.262	0.000	94	12709	0.2500	0.2323	a
129 Anthracene	178	8.303	8.303	0.000	97	28859	0.2500	0.2363	
130 Carbazole	167	8.466	8.466	0.000	96	27342	0.2500	0.2392	
131 Methyl parathion	109	8.612	8.612	0.000	90	5053	0.2500	0.1829	
133 Di-n-butyl phthalate	149	8.827	8.833	-0.006	99	26739	0.2500	0.2190	
134 Ethyl Parathion	109	8.985	8.990	-0.005	81	3258	0.2500	0.1993	
135 4-Nitroquinoline-1-oxide	190	8.996	8.996	0.000	73	980	0.2500	1.76	
140 Octachlorostyrene	308	9.206	9.212	-0.006	83	2781	0.2500	0.2651	
141 Isodrin	193	9.235	9.235	0.000	87	3548	0.2500	0.2419	
143 Fluoranthene	202	9.381	9.381	0.000	97	31113	0.2500	0.2401	
147 Benzidine	184	9.527	9.533	-0.005	99	42787	0.7500	0.5320	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	99	539140	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	98	37376	0.2500	0.2713	
S 136 Diallate	86				0		0.2500	0.3250	
$ 152 p-Terphenyl-d14	244	9.766	9.766	0.000	99	42253	0.5000	0.5097	
154 p-Dimethylamino azobenzene	225	9.900	9.900	0.000	95	4013	0.2500	0.1960	
155 Chlorobenzilate	139	9.952	9.952	0.000	85	8032	0.2500	0.2107	
156 3,3'-Dimethylbenzidine	212	10.220	10.226	-0.006	97	11225	0.2500	0.1628	
157 Butyl benzyl phthalate	149	10.255	10.255	0.000	94	10531	0.2500	0.2069	
158 2-Acetylaminofluorene	181	10.471	10.471	0.000	94	6980	0.2500	0.1496	
159 3,3'-Dichlorobenzidine	252	10.774	10.774	0.000	60	8384	0.2500	0.2018	
161 Benzo[a]anthracene	228	10.774	10.780	-0.006	99	24819	0.2500	0.2295	
160 4,4'-Methylene bis(2-chloroanil	231	10.786	10.786	0.000	88	3912	0.2500	0.1677	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.815	10.815	0.000	96	27110	0.2500	0.2505	
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	94	13060	0.2500	0.1880	
164 6-Methylchrysene	242	11.328	11.328	0.000	97	16456	0.2500	0.2261	
165 Di-n-octyl phthalate	149	11.654	11.654	0.000	98	15900	0.2500	0.1557	
166 7,12-Dimethylbenz(a)anthracene	256	12.033	12.033	0.000	69	8709	0.2500	0.1934	
167 Benzo[b]fluoranthene	252	12.027	12.033	-0.006	97	23237	0.2500	0.2269	
168 Benzo[k]fluoranthene	252	12.062	12.068	-0.006	99	25202	0.2500	0.2368	
169 Benzo[a]pyrene	252	12.441	12.441	0.000	77	20586	0.2500	0.2224	
* 170 Perylene-d12	264	12.517	12.517	0.000	98	421431	5.00	5.00	
171 3-Methylcholanthrene	268	12.919	12.925	-0.006	92	8879	0.2500	0.1974	
172 Dibenz[a,h]acridine	279	13.653	13.653	0.000	90	13529	0.2500	0.1982	
173 Dibenz[a,j]acridine	279	13.723	13.723	0.000	95	14687	0.2500	0.1977	
174 Indeno[1,2,3-cd]pyrene	276	13.939	13.945	-0.006	98	17447	0.2500	0.2092	
175 Dibenz(a,h)anthracene	278	13.986	13.991	-0.005	93	19510	0.2500	0.2231	
176 Benzo[g,h,i]perylene	276	14.289	14.294	-0.005	94	20544	0.2500	0.2318	
S 178 Dinitrotoluene	165				0		0.5000	0.4095	
S 182 Isosafrole	162				0		0.2500	0.2085	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_2_00044 Amount Added: 1.00 Units: mL

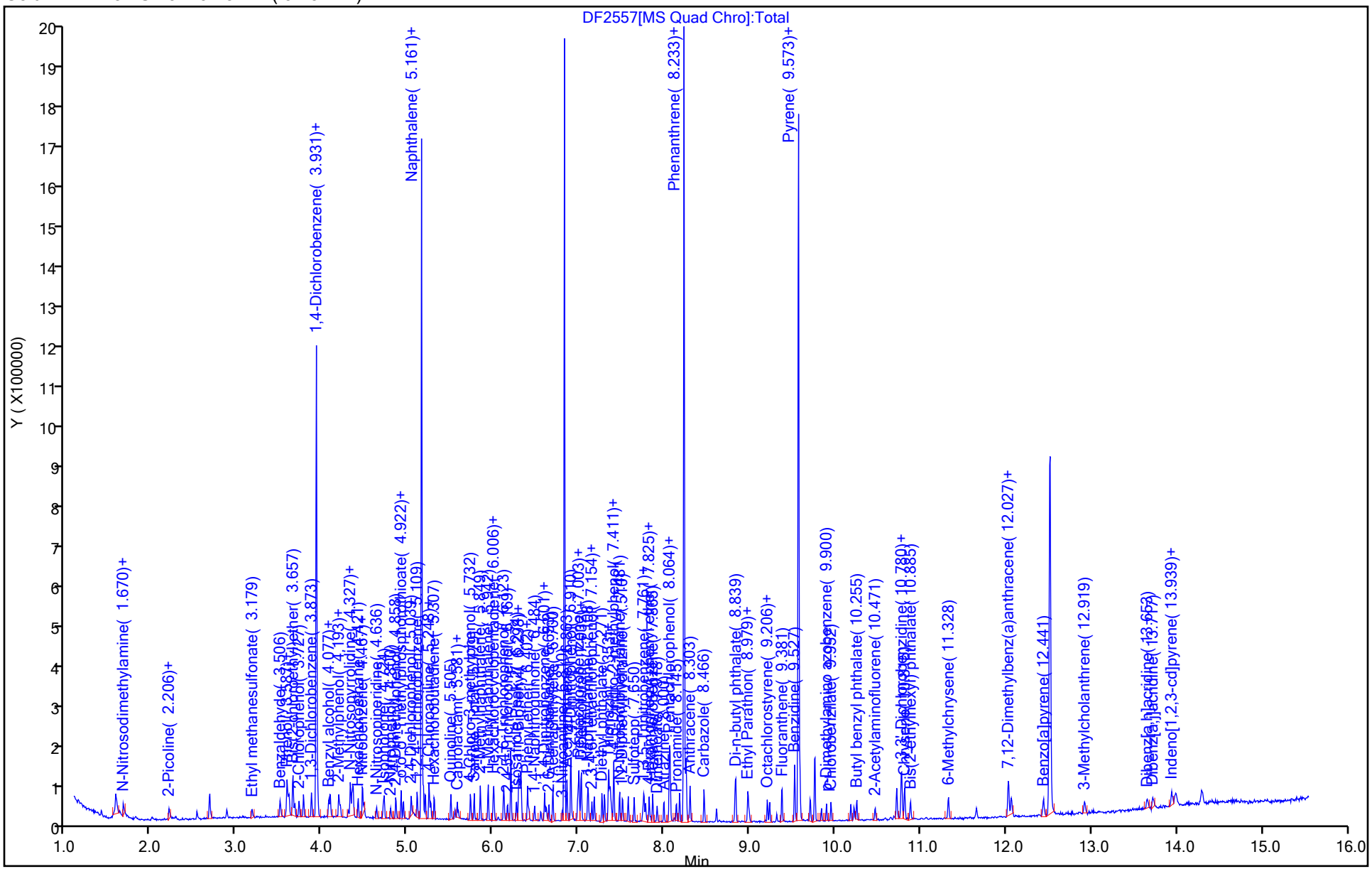
Report Date: 26-Jun-2025 08:29:03 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2557.D

Injection Date:	26-Jun-2025 01:41:40	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L2			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

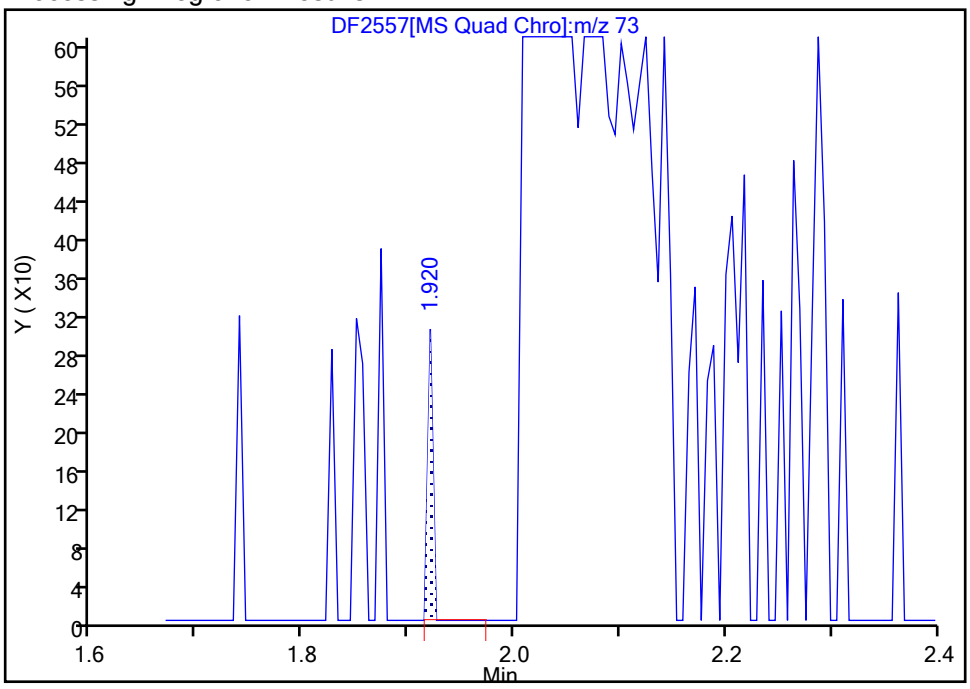
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2557.D				
Injection Date:	26-Jun-2025 01:41:40	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

6 Dimethylformamide, CAS: 68-12-2

Signal: 1

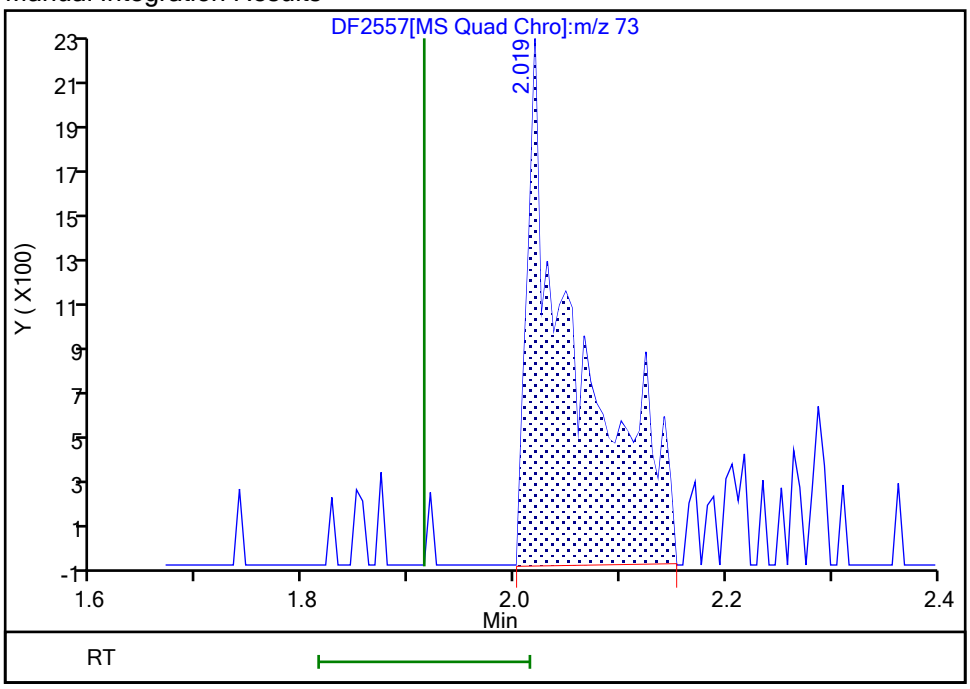
Processing Integration Results

RT: 1.92
Area: 106
Amount: 0.004771
Amount Units: ug/ml



Manual Integration Results

RT: 2.02
Area: 7129
Amount: 0.253297
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:28:05 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

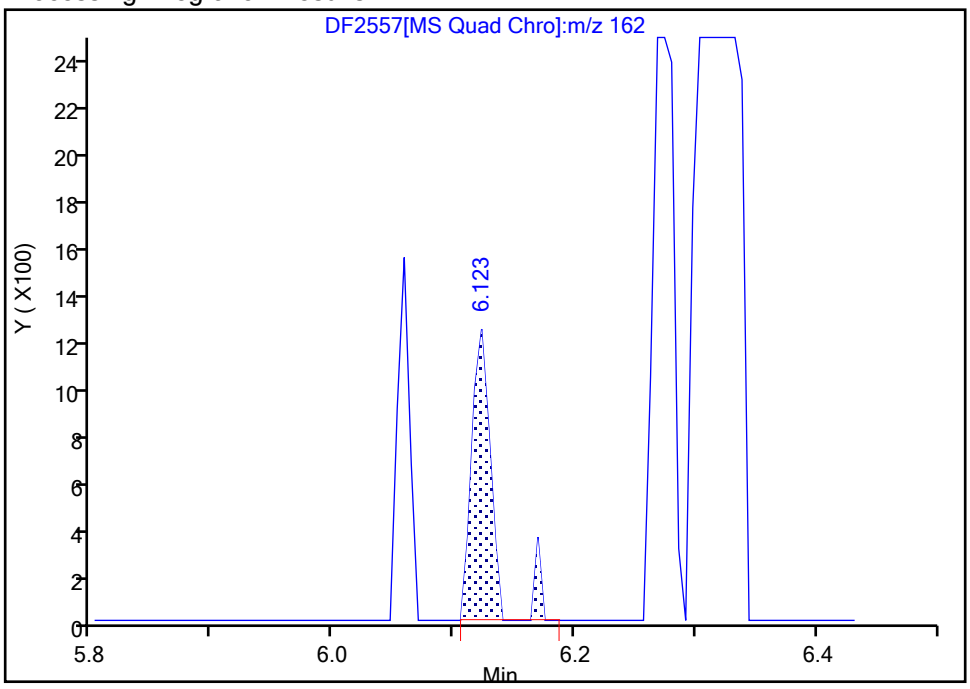
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2557.D				
Injection Date:	26-Jun-2025 01:41:40	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

70 Isosafrole Peak 1, CAS: STL03315

Signal: 1

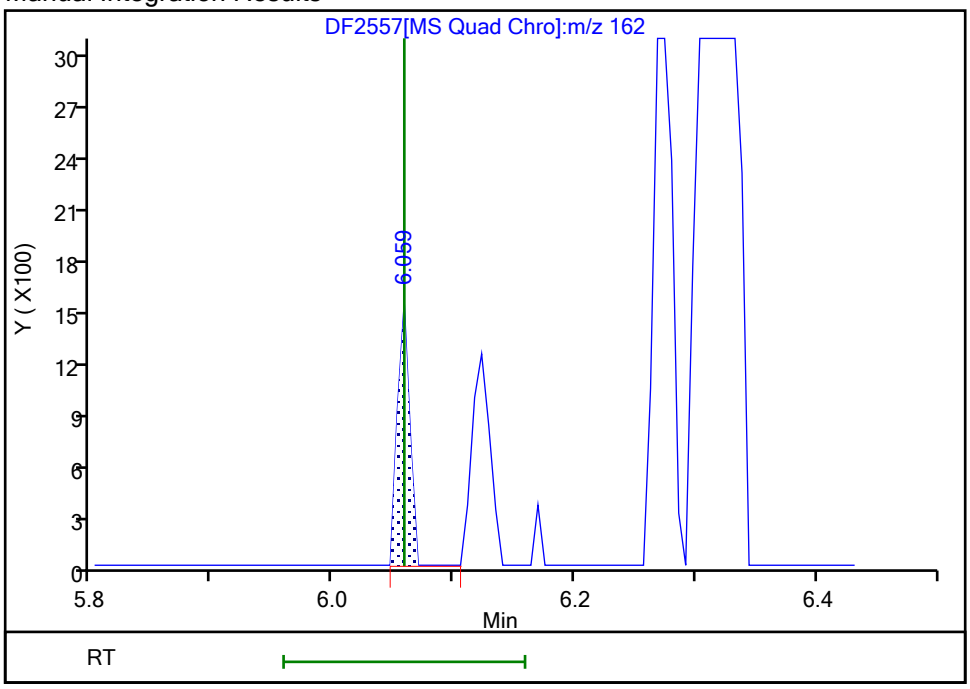
Processing Integration Results

RT: 6.12
Area: 1399
Amount: 0.039720
Amount Units: ug/ml



Manual Integration Results

RT: 6.06
Area: 1066
Amount: 0.031975
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:28:32 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

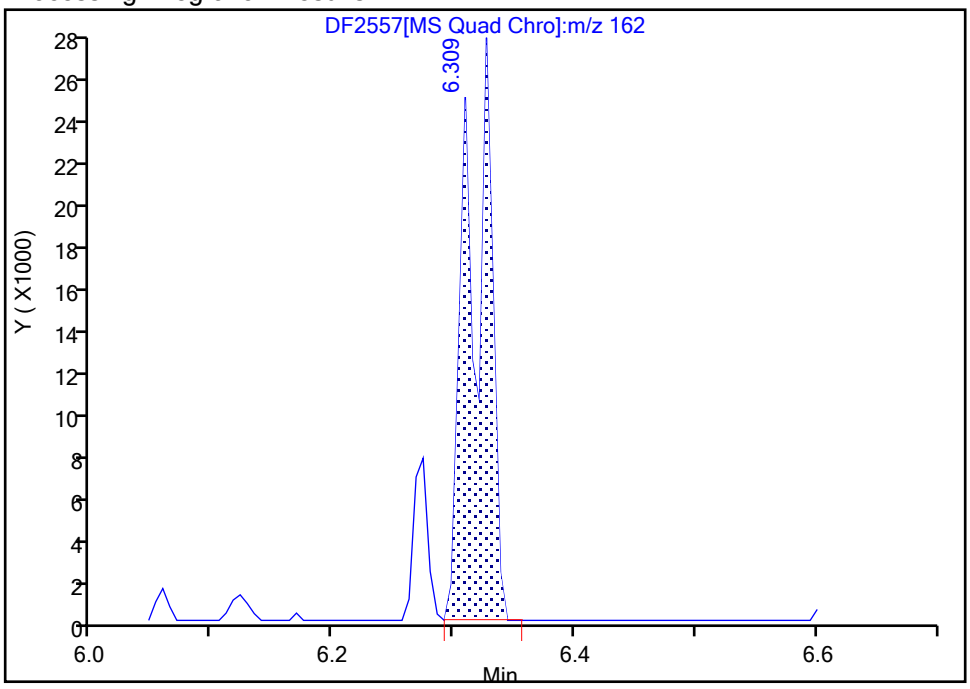
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2557.D				
Injection Date:	26-Jun-2025 01:41:40	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

76 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

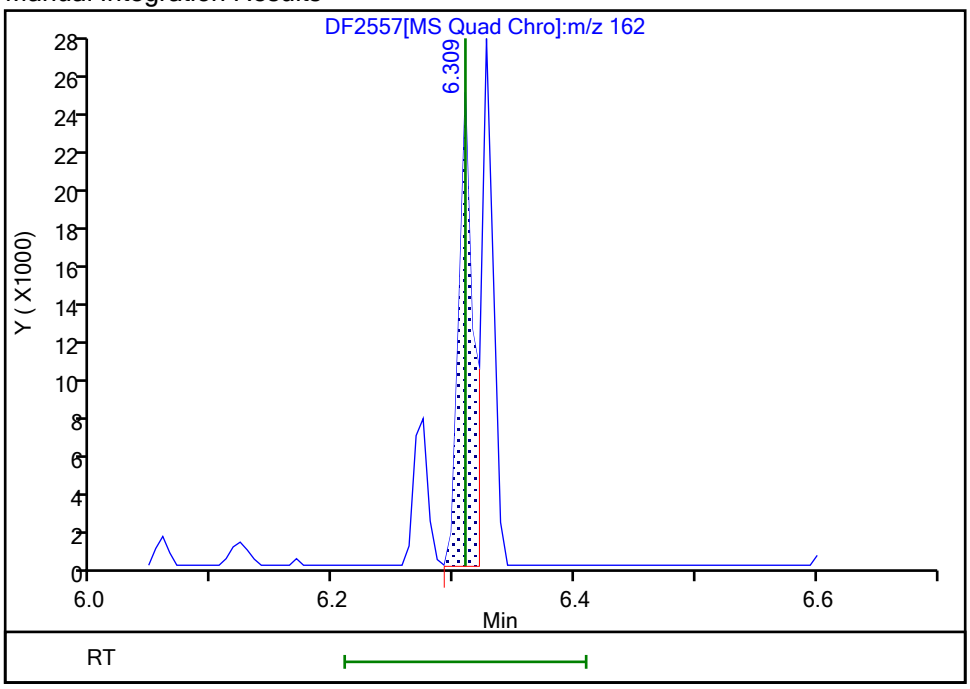
Processing Integration Results

RT: 6.31
Area: 37369
Amount: 0.401395
Amount Units: ug/ml



Manual Integration Results

RT: 6.31
Area: 19809
Amount: 0.259323
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:28:42 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

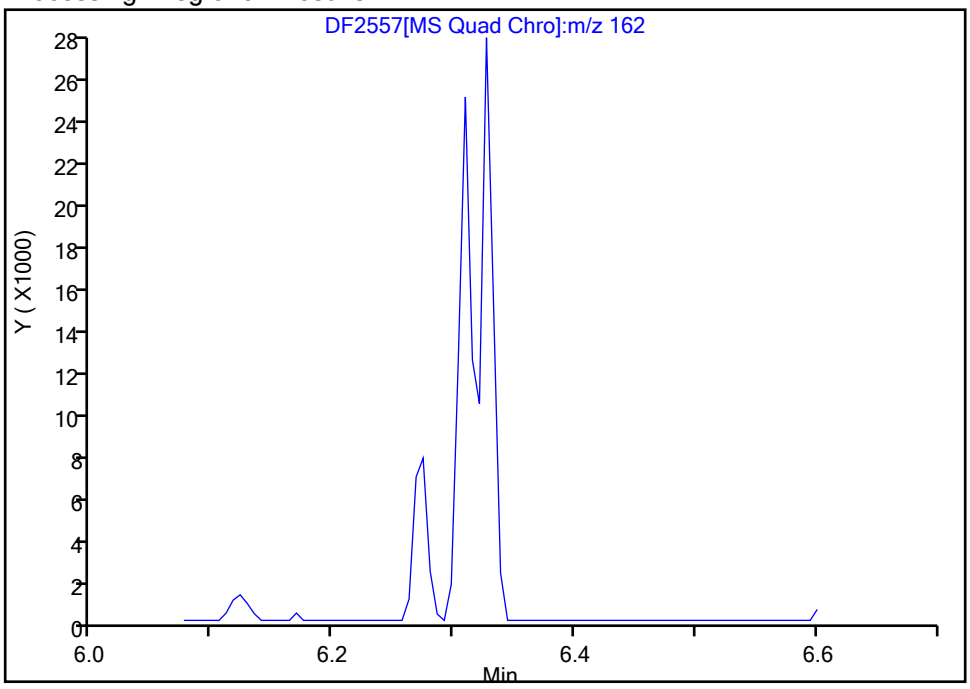
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2557.D				
Injection Date:	26-Jun-2025 01:41:40	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

77 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

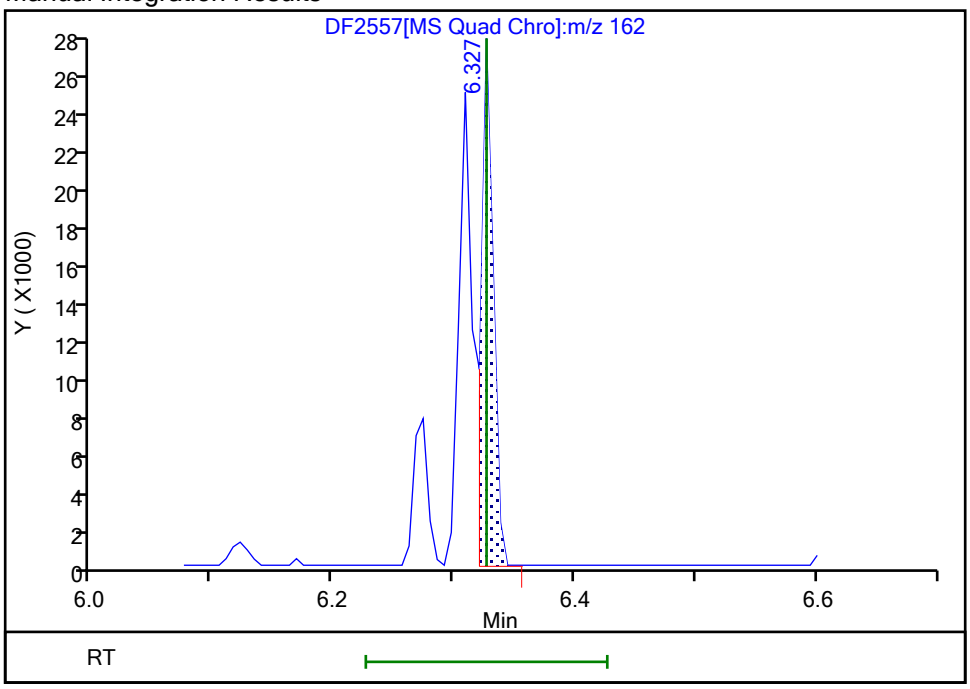
Not Detected
Expected RT: 6.33

Processing Integration Results



Manual Integration Results

RT: 6.33
Area: 17560
Amount: 0.259717
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:28:52 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

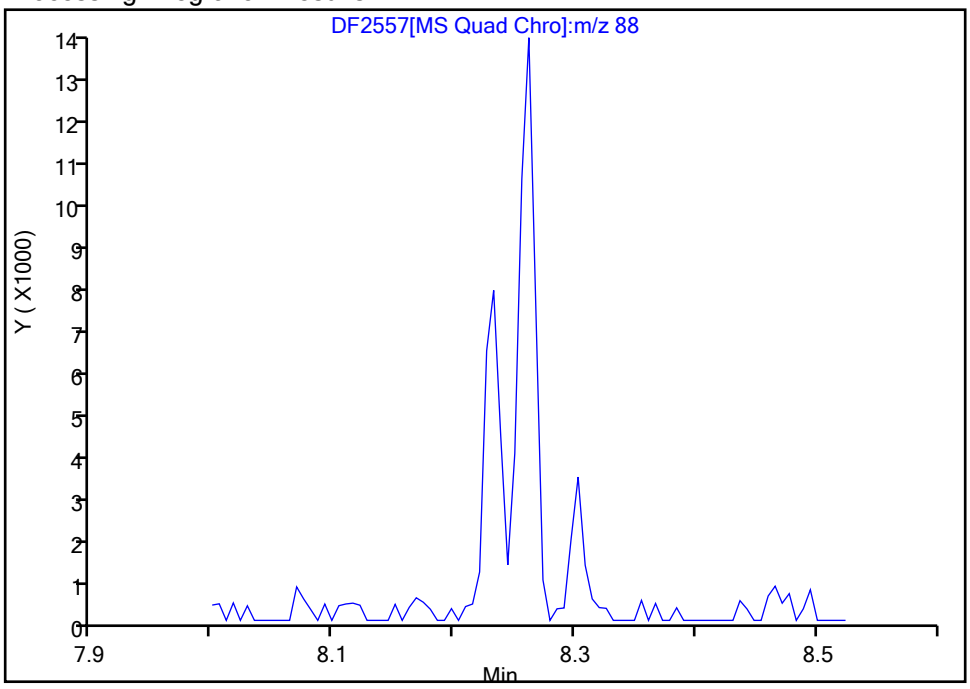
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2557.D				
Injection Date:	26-Jun-2025 01:41:40	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

127 Disulfoton, CAS: 298-04-4

Signal: 1

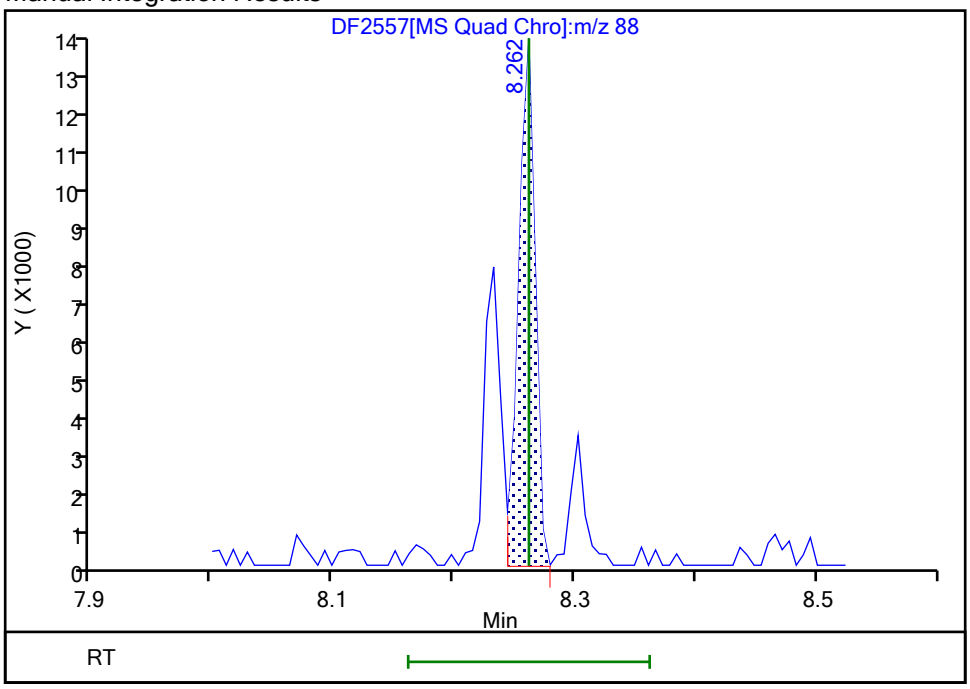
Not Detected
Expected RT: 8.26

Processing Integration Results



Manual Integration Results

RT: 8.26
Area: 12709
Amount: 0.232250
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:29:14 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2558.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 26-Jun-2025 02:03:23 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0151574-009
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub58

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:29:22 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:31:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.419	1.407	0.012	55	5463	0.1250	0.3008	
3 N-Nitrosodimethylamine	74	1.635	1.617	0.018	64	2690	0.1250	0.1036	
4 Pyridine	79	1.681	1.646	0.035	98	10595	0.2500	0.2307	
6 Dimethylformamide	73	2.060	1.914	0.146	19	2625	0.1250	0.0932	Ma
7 2-Picoline	93	2.212	2.188	0.024	90	6196	0.1250	0.1188	
8 N-Nitrosomethylethylamine	88	2.293	2.270	0.023	37	5342	0.1250	0.2320	
9 Methyl methanesulfonate	80	2.532	2.526	0.006	83	3308	0.1250	0.1241	
$ 10 2-Fluorophenol	112	2.684	2.684	0.000	90	9592	0.2500	0.2234	
11 N-Nitrosodiethylamine	102	2.888	2.882	0.006	81	2843	0.1250	0.1238	
12 Ethyl methanesulfonate	109	3.179	3.173	0.006	95	3231	0.1250	0.1289	
15 Benzaldehyde	77	3.506	3.506	0.000	94	5254	0.1250	0.1299	
$ 16 Phenol-d5	99	3.593	3.587	0.006	94	13144	0.2500	0.2229	
17 Phenol	94	3.605	3.599	0.006	53	8703	0.1250	0.1307	
18 Aniline	93	3.611	3.611	0.000	91	9731	0.1250	0.1234	
19 Bis(2-chloroethyl)ether	93	3.681	3.681	0.000	95	5965	0.1250	0.1237	
20 2-Chlorophenol	128	3.727	3.727	0.000	91	4622	0.1250	0.1065	
21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	92	6002	0.1250	0.1219	
* 22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	96	164322	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	91	5820	0.1250	0.1194	
25 Benzyl alcohol	108	4.077	4.071	0.006	91	3218	0.1250	0.1075	
26 1,2-Dichlorobenzene	146	4.094	4.094	0.000	96	6052	0.1250	0.1295	
28 2-Methylphenol	108	4.194	4.193	0.001	93	5214	0.1250	0.1261	
29 2,2'-oxybis[1-chloropropane]	45	4.205	4.205	0.000	92	5300	0.1250	0.1221	
31 N-Nitrosopyrrolidine	100	4.304	4.304	0.000	84	2765	0.1250	0.1136	
34 Acetophenone	105	4.328	4.328	0.000	93	9495	0.1250	0.1374	
33 N-Nitrosodi-n-propylamine	70	4.333	4.333	0.000	56	4269	0.1250	0.1269	
32 4-Methylphenol	108	4.351	4.345	0.006	82	5595	0.1250	0.1172	
35 N-Nitrosomorpholine	56	4.351	4.351	0.000	41	3486	0.1250	0.1390	
36 2-Toluidine	106	4.363	4.363	0.001	92	8185	0.1250	0.1096	
38 Hexachloroethane	117	4.421	4.421	0.000	88	2677	0.1250	0.1306	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.473	4.473	0.000	87	11520	0.2500	0.2335	
40 Nitrobenzene	77	4.491	4.491	0.000	80	5985	0.1250	0.1237	
42 N-Nitrosopiperidine	114	4.637	4.636	0.001	88	2909	0.1250	0.1323	
43 Isophorone	82	4.724	4.724	0.000	95	9839	0.1250	0.1150	
44 2-Nitrophenol	139	4.806	4.800	0.006	81	1804	0.1250	0.0858	
45 2,4-Dimethylphenol	107	4.864	4.858	0.006	91	5387	0.1250	0.1181	
46 o,o',o''-Triethylphosphorothioat	198	4.922	4.922	0.000	79	2797	0.1250	0.1335	
47 Bis(2-chloroethoxy)methane	93	4.951	4.951	0.000	94	7294	0.1250	0.1296	
48 2,4-Dichlorophenol	162	5.039	5.039	0.000	94	3700	0.1250	0.1125	
49 1,2,4-Trichlorobenzene	180	5.114	5.114	0.000	92	4461	0.1250	0.1193	
* 50 Naphthalene-d8	136	5.161	5.161	0.000	99	585122	5.00	5.00	
51 Naphthalene	128	5.184	5.184	0.000	94	16366	0.1250	0.1302	
52 Alpha-Terpineol	59	5.208	5.208	0.000	91	3711	0.1250	0.1223	
53 4-Chloroaniline	127	5.249	5.248	0.001	86	5319	0.1250	0.1073	
54 2,6-Dichlorophenol	162	5.254	5.254	0.000	84	3948	0.1250	0.1213	
55 Hexachloropropene	213	5.272	5.272	0.000	84	3403	0.1250	0.1267	
56 Hexachlorobutadiene	225	5.313	5.313	0.000	91	2766	0.1250	0.1255	
60 Quinoline	129	5.505	5.505	0.000	97	10482	0.1250	0.1292	
61 Caprolactam	113	5.557	5.557	0.000	70	879	0.1250	0.0739	
62 N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	88	10753	0.1250	0.2696	
63 p-Phenylene diamine	108	5.598	5.587	0.012	26	3264	0.1250	0.0765	
64 4-Chloro-3-methylphenol	107	5.738	5.732	0.006	52	4184	0.1250	0.1094	
65 Safrole, Total	162	5.779	5.779	0.000	87	3723	0.1250	0.1218	
66 2-Methylnaphthalene	142	5.849	5.849	0.000	90	9060	0.1250	0.1281	
67 1-Methylnaphthalene	142	5.942	5.942	0.000	87	9143	0.1250	0.1240	
68 Hexachlorocyclopentadiene	237	6.000	6.000	0.000	89	2566	0.1250	0.1027	
69 1,2,4,5-Tetrachlorobenzene	216	6.012	6.012	0.000	96	4944	0.1250	0.1294	
70 Isosafrole Peak 1	162	6.053	6.059	-0.006	1	648	0.0200	0.0197	a
71 2,4,6-Trichlorophenol	196	6.129	6.129	0.000	88	2121	0.1250	0.0950	
72 2,4,5-Trichlorophenol	196	6.169	6.164	0.005	93	2710	0.1250	0.1107	
$ 73 2-Fluorobiphenyl (Surr)	172	6.204	6.210	-0.006	99	22715	0.2500	0.2648	
74 Isosafrole Peak 2	162	6.274	6.274	0.000	86	3643	0.1050	0.1024	
75 1,1'-Biphenyl	154	6.298	6.298	0.000	95	12010	0.1250	0.1249	
76 2-Chloronaphthalene	162	6.309	6.309	0.000	94	9223	0.1250	0.1224	M
77 1-Chloronaphthalene	162	6.327	6.327	0.000	94	7825	0.1250	0.1173	Ma
78 Phenyl ether	170	6.403	6.403	0.000	83	6518	0.1250	0.1207	
79 2-Nitroaniline	138	6.420	6.414	0.006	79	2039	0.1250	0.0868	
81 1,4-Naphthoquinone	158	6.484	6.484	0.000	85	2595	0.1250	0.0983	
84 1,4-Dinitrobenzene	168	6.560	6.554	0.006	78	1153	0.1250	0.0989	
85 Dimethyl phthalate	163	6.601	6.607	-0.006	98	10789	0.1250	0.1300	
86 1,3-Dinitrobenzene	168	6.624	6.624	0.000	76	1181	0.1250	0.0861	
87 2,6-Dinitrotoluene	165	6.653	6.653	0.000	86	1865	0.1250	0.1055	
88 Acenaphthylene	152	6.700	6.700	0.000	99	13095	0.1250	0.1137	
89 3-Nitroaniline	138	6.811	6.805	0.006	82	1874	0.1250	0.0952	
* 90 Acenaphthene-d10	164	6.834	6.834	0.000	95	305646	5.00	5.00	
91 Acenaphthene	153	6.863	6.863	0.000	95	10813	0.1250	0.1388	
92 2,4-Dinitrophenol	184	6.910	6.910	0.000	83	7818	1.25	0.6365	
94 Pentachlorobenzene	250	6.991	6.991	0.000	92	4062	0.1250	0.1214	
93 4-Nitrophenol	109	7.003	7.003	0.000	80	7194	0.7500	0.5449	
96 Dibenzofuran	168	7.032	7.032	0.000	95	14225	0.1250	0.1335	
95 2,4-Dinitrotoluene	165	7.032	7.032	0.000	60	2389	0.1250	0.0982	
97 1-Naphthylamine	143	7.108	7.108	0.000	97	8619	0.1250	0.1180	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,3,4,6-Tetrachlorophenol	232	7.155	7.154	0.000	70	2399	0.1250	0.1180	
99 2-Naphthylamine	143	7.184	7.184	0.000	94	9360	0.1250	0.1215	
100 Diethyl phthalate	149	7.271	7.277	-0.006	97	9990	0.1250	0.1196	
101 Thionazin	107	7.347	7.347	0.000	75	1969	0.1250	0.1257	
102 Fluorene	166	7.353	7.353	0.000	91	10483	0.1250	0.1263	
103 4-Chlorophenyl phenyl ether	204	7.364	7.364	0.000	85	5683	0.1250	0.1384	
104 N-Nitro-o-toluidine	152	7.376	7.376	0.000	52	2214	0.1250	0.0980	
105 4-Nitroaniline	138	7.382	7.382	0.000	54	1666	0.1250	0.0860	
106 4,6-Dinitro-2-methylphenol	198	7.411	7.417	-0.006	79	7945	0.7500	0.5142	
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	64	7018	0.1063	0.0994	
108 1,2-Diphenylhydrazine	77	7.510	7.516	-0.006	41	10609	0.1250	0.1201	
$ 109 2,4,6-Tribromophenol	330	7.580	7.580	0.000	83	3063	0.2500	0.2483	
110 Sulfotepp	97	7.644	7.650	-0.006	75	1889	0.1250	0.1202	
112 1,3,5-Trinitrobenzene	213	7.749	7.749	0.000	66	687	0.1250	0.0794	
113 cis-Diallate	86	7.761	7.761	0.000	0	9663	0.0925	0.2491	
114 Phorate	75	7.767	7.766	0.001	94	6429	0.1250	0.1305	
115 Phenacetin	108	7.784	7.784	0.000	90	3995	0.1250	0.0925	
116 4-Bromophenyl phenyl ether	248	7.825	7.825	0.000	62	3669	0.1250	0.1490	
117 trans-Diallate	86	7.848	7.842	0.006	0	2950	0.0325	0.0741	Ma
118 Hexachlorobenzene	284	7.866	7.866	0.000	91	4146	0.1250	0.1503	
119 Dimethoate	87	7.918	7.924	-0.006	94	3290	0.1250	0.0970	
120 Atrazine	200	8.000	8.000	0.000	87	2215	0.1250	0.0996	
121 Pentachlorophenol	266	8.064	8.064	0.000	89	6296	0.6250	0.3982	
123 Pentachloronitrobenzene	237	8.070	8.070	0.000	51	1374	0.1250	0.1122	
122 4-Aminobiphenyl	169	8.070	8.070	0.000	88	10142	0.1250	0.1079	
124 Pronamide	173	8.145	8.145	0.000	85	4153	0.1250	0.1131	
* 126 Phenanthrene-d10	188	8.233	8.233	0.000	98	551135	5.00	5.00	
125 Dinoseb	211	8.250	8.250	0.000	62	1335	0.1250	0.0593	
128 Phenanthrene	178	8.256	8.256	0.000	95	16327	0.1250	0.1341	
127 Disulfoton	88	8.262	8.262	0.000	92	6625	0.1250	0.1239	a
129 Anthracene	178	8.303	8.303	0.000	96	14149	0.1250	0.1185	
130 Carbazole	167	8.466	8.466	0.000	96	12554	0.1250	0.1124	
131 Methyl parathion	109	8.612	8.612	0.000	85	2308	0.1250	0.0855	
133 Di-n-butyl phthalate	149	8.833	8.833	0.000	99	13524	0.1250	0.1133	
134 Ethyl Parathion	109	8.991	8.990	0.001	64	1284	0.1250	0.0804	
135 4-Nitroquinoline-1-oxide	190	9.002	8.996	0.006	1	332	0.1250	1.71	
140 Octachlorostyrene	308	9.206	9.212	-0.006	76	1105	0.1250	0.1078	
141 Isodrin	193	9.235	9.235	0.000	88	2076	0.1250	0.1448	
143 Fluoranthene	202	9.381	9.381	0.000	97	15525	0.1250	0.1226	
147 Benzidine	184	9.527	9.533	-0.005	99	20037	0.3750	0.2551	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	99	526602	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	96	19663	0.1250	0.1461	
S 136 Diallate	86				0		0.1250	0.3232	
$ 152 p-Terphenyl-d14	244	9.766	9.766	0.000	99	21161	0.2500	0.2614	
154 p-Dimethylamino azobenzene	225	9.900	9.900	0.000	83	1511	0.1250	0.0755	
155 Chlorobenzilate	139	9.952	9.952	0.000	84	3442	0.1250	0.0924	
156 3,3'-Dimethylbenzidine	212	10.226	10.226	0.000	96	5277	0.1250	0.0784	
157 Butyl benzyl phthalate	149	10.255	10.255	0.000	95	4938	0.1250	0.0993	
158 2-Acetylaminofluorene	181	10.465	10.471	-0.006	86	2754	0.1250	0.0604	
159 3,3'-Dichlorobenzidine	252	10.774	10.774	0.000	58	4100	0.1250	0.1010	
161 Benzo[a]anthracene	228	10.780	10.780	0.000	97	11962	0.1250	0.1132	
160 4,4'-Methylene bis(2-chloroanil	231	10.786	10.786	0.000	59	1648	0.1250	0.0723	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.815	10.815	0.000	98	13742	0.1250	0.1300	
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	95	6461	0.1250	0.0952	
164 6-Methylchrysene	242	11.328	11.328	0.000	98	8873	0.1250	0.1248	
165 Di-n-octyl phthalate	149	11.654	11.654	0.000	98	8088	0.1250	0.0821	
166 7,12-Dimethylbenz(a)anthracene	256	12.027	12.033	-0.006	69	3548	0.1250	0.0817	
167 Benzo[b]fluoranthene	252	12.027	12.033	-0.006	96	11450	0.1250	0.1159	
168 Benzo[k]fluoranthene	252	12.062	12.068	-0.006	98	11312	0.1250	0.1101	
169 Benzo[a]pyrene	252	12.441	12.441	0.000	78	9561	0.1250	0.1070	
* 170 Perylene-d12	264	12.517	12.517	0.000	98	406678	5.00	5.00	
171 3-Methylcholanthrene	268	12.919	12.925	-0.006	88	3812	0.1250	0.0878	
172 Dibenz[a,h]acridine	279	13.648	13.653	-0.005	89	7168	0.1250	0.1088	
173 Dibenz[a,j]acridine	279	13.718	13.723	-0.005	94	7387	0.1250	0.1031	
174 Indeno[1,2,3-cd]pyrene	276	13.945	13.945	0.000	97	8737	0.1250	0.1086	
175 Dibenz(a,h)anthracene	278	13.992	13.991	0.001	94	9561	0.1250	0.1133	
176 Benzo[g,h,i]perylene	276	14.295	14.294	0.001	97	10274	0.1250	0.1201	
S 178 Dinitrotoluene	165				0		0.2500	0.2036	
S 182 Isosafrole	162				0		0.1250	0.1221	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_1_00043 Amount Added: 1.00 Units: mL

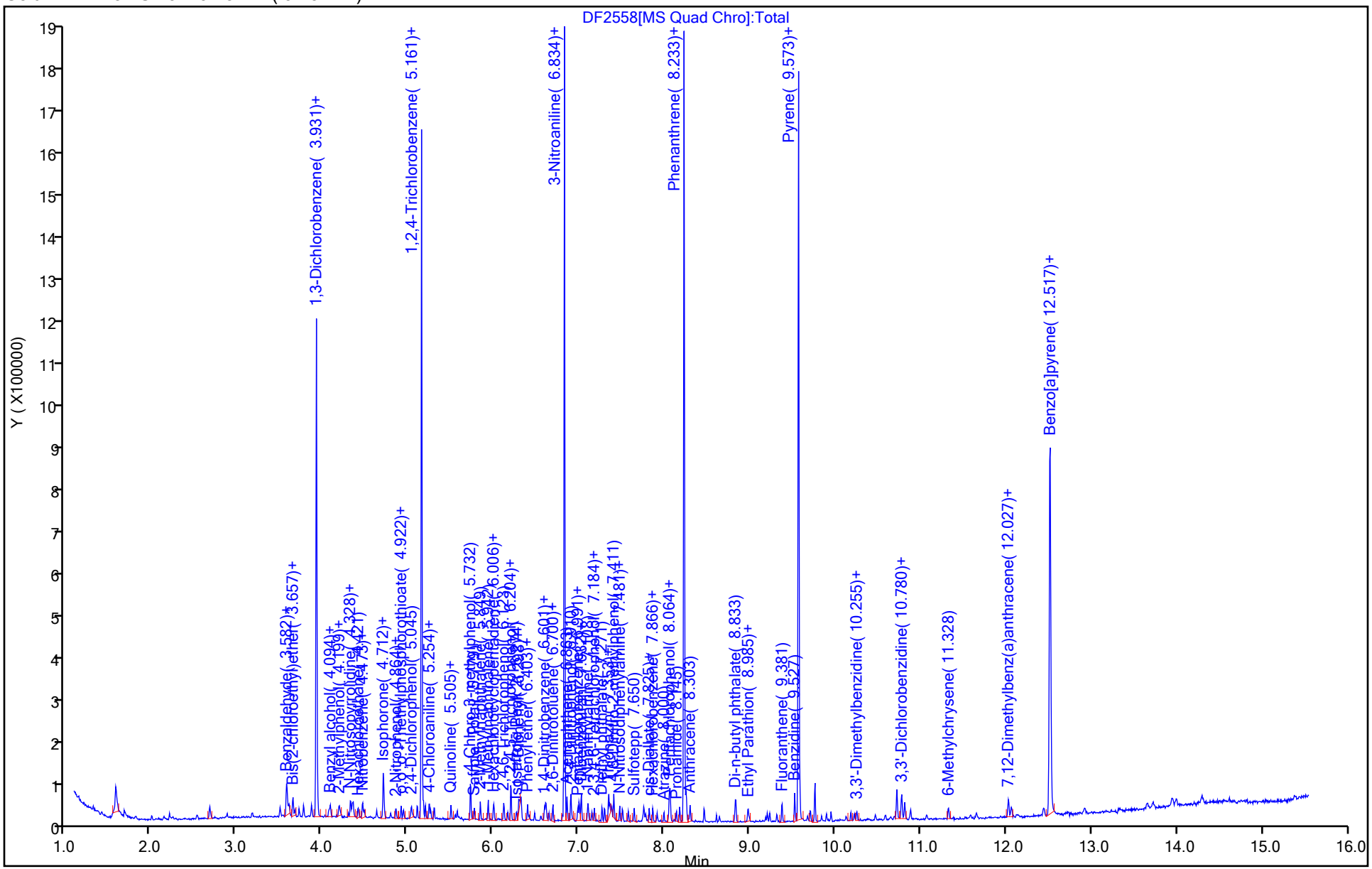
Report Date: 26-Jun-2025 08:29:23 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2558.D

Injection Date:	26-Jun-2025 02:03:23	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L1			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

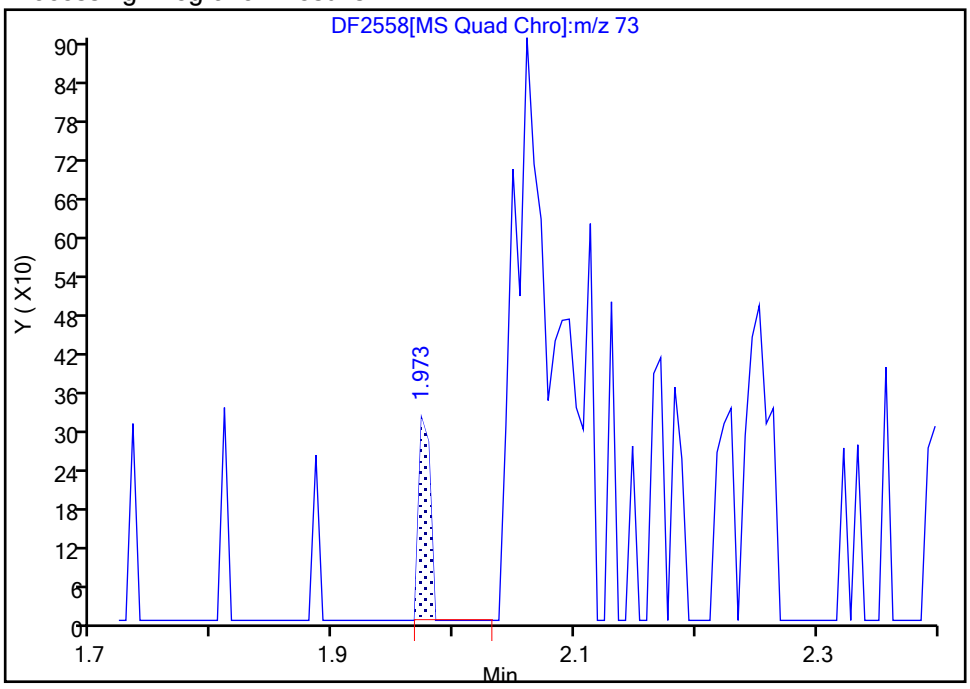
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2558.D				
Injection Date:	26-Jun-2025 02:03:23	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

6 Dimethylformamide, CAS: 68-12-2

Signal: 1

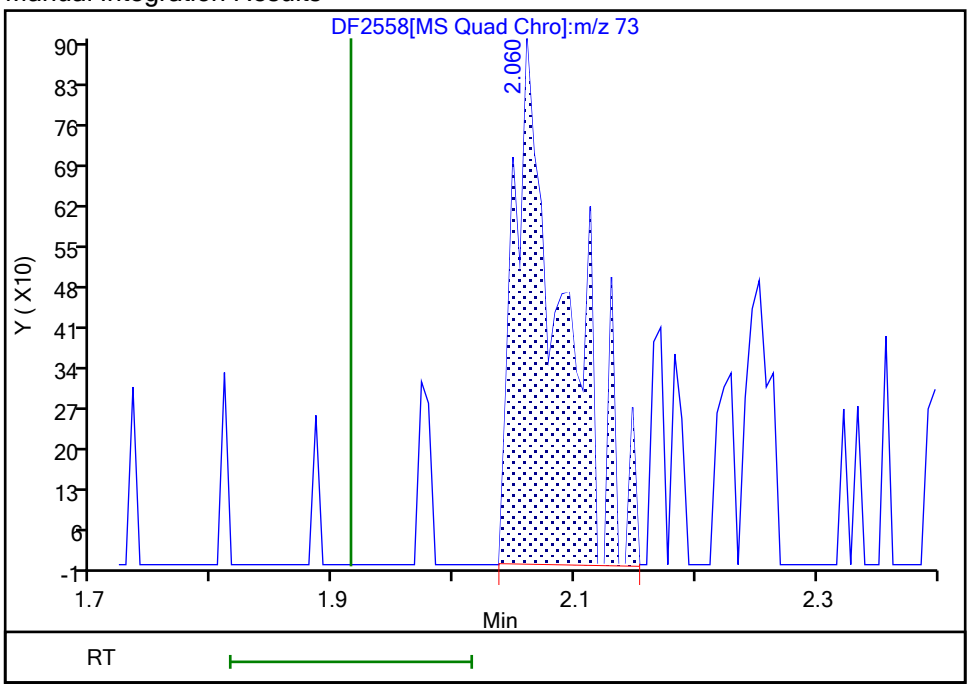
Processing Integration Results

RT: 1.97
Area: 207
Amount: 0.008037
Amount Units: ug/ml



Manual Integration Results

RT: 2.06
Area: 2625
Amount: 0.093173
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:30:08 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

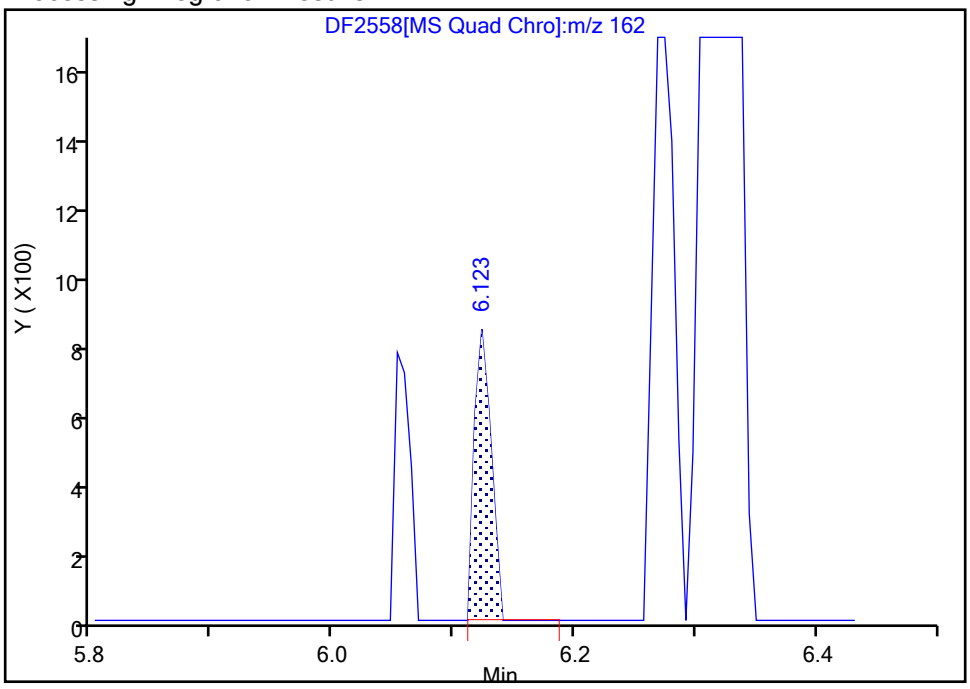
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2558.D				
Injection Date:	26-Jun-2025 02:03:23	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

70 Isosafrole Peak 1, CAS: STL03315

Signal: 1

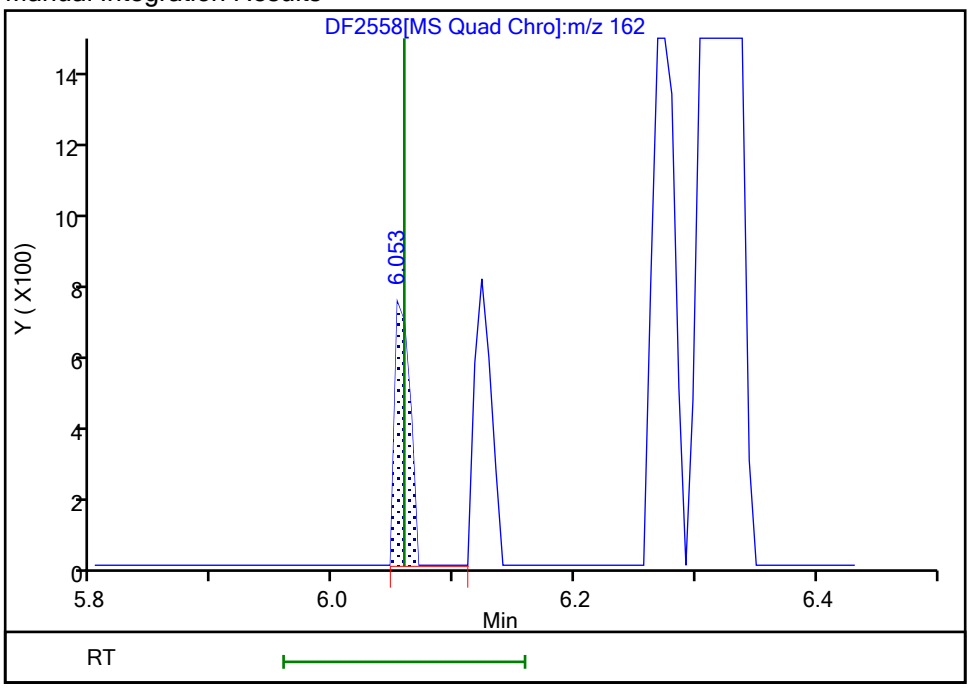
Processing Integration Results

RT: 6.12
Area: 781
Amount: 0.023154
Amount Units: ug/ml



Manual Integration Results

RT: 6.05
Area: 648
Amount: 0.019697
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:30:31 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

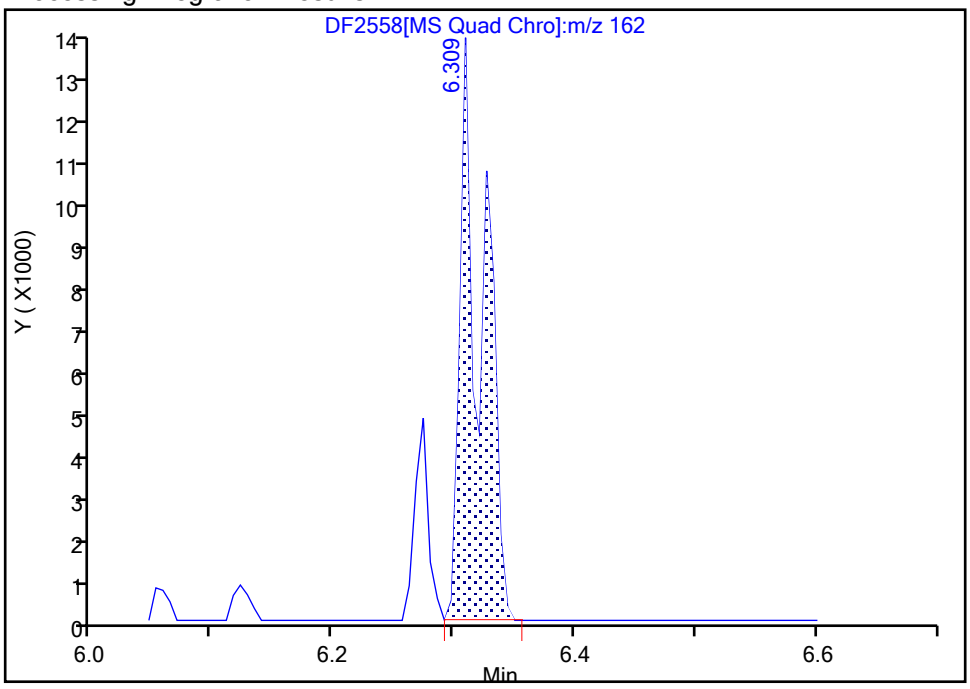
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2558.D				
Injection Date:	26-Jun-2025 02:03:23	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

76 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

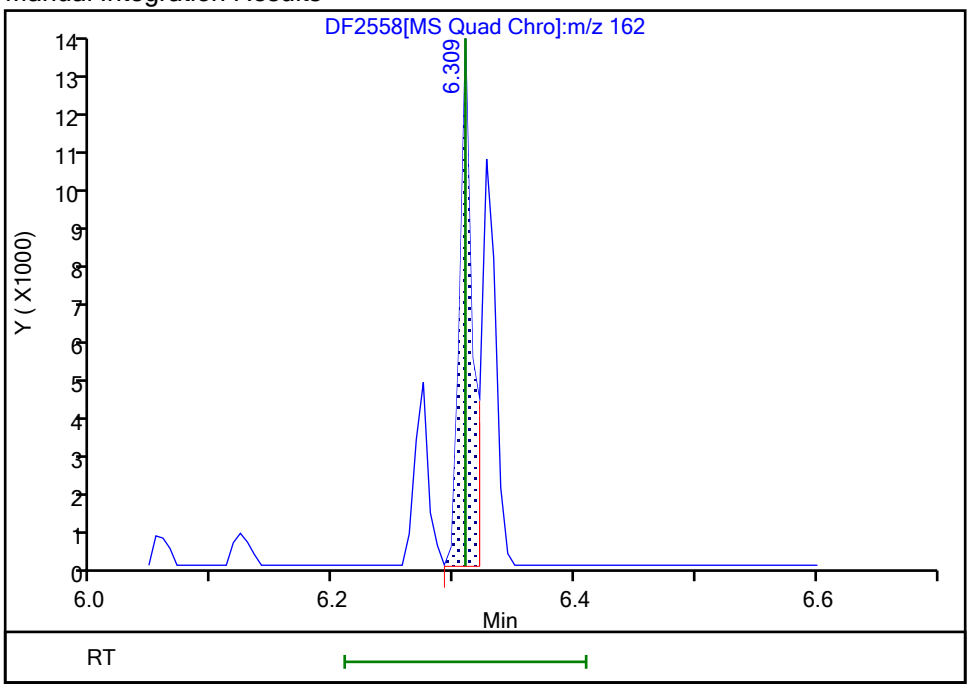
Processing Integration Results

RT: 6.31
Area: 17049
Amount: 0.143625
Amount Units: ug/ml



Manual Integration Results

RT: 6.31
Area: 9223
Amount: 0.122354
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:30:40 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

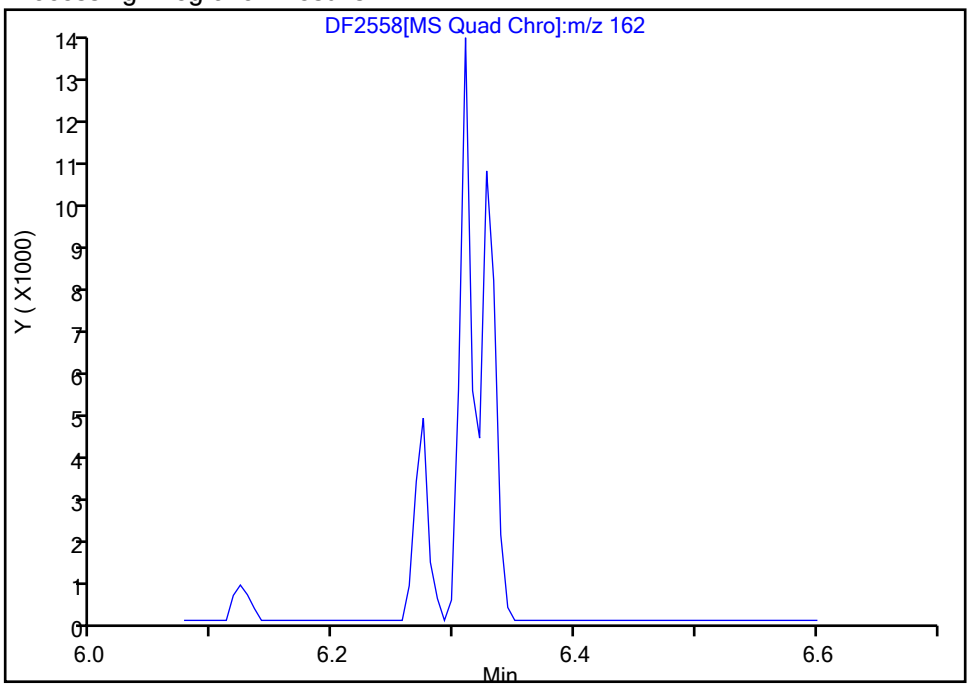
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2558.D				
Injection Date:	26-Jun-2025 02:03:23	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

77 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

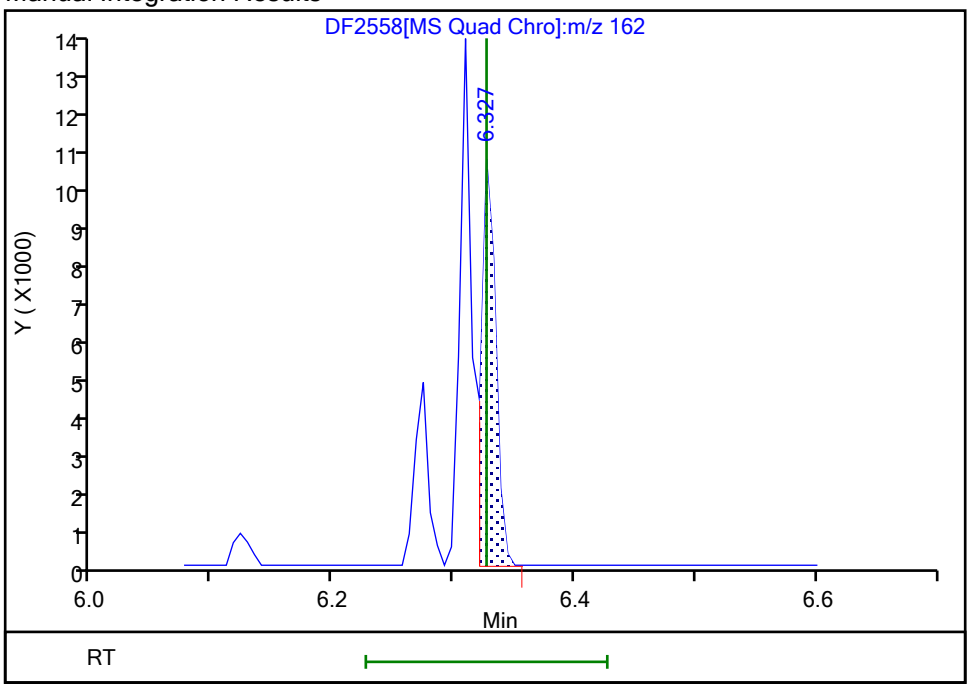
Not Detected
Expected RT: 6.33

Processing Integration Results



Manual Integration Results

RT: 6.33
Area: 7825
Amount: 0.117280
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:30:47 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

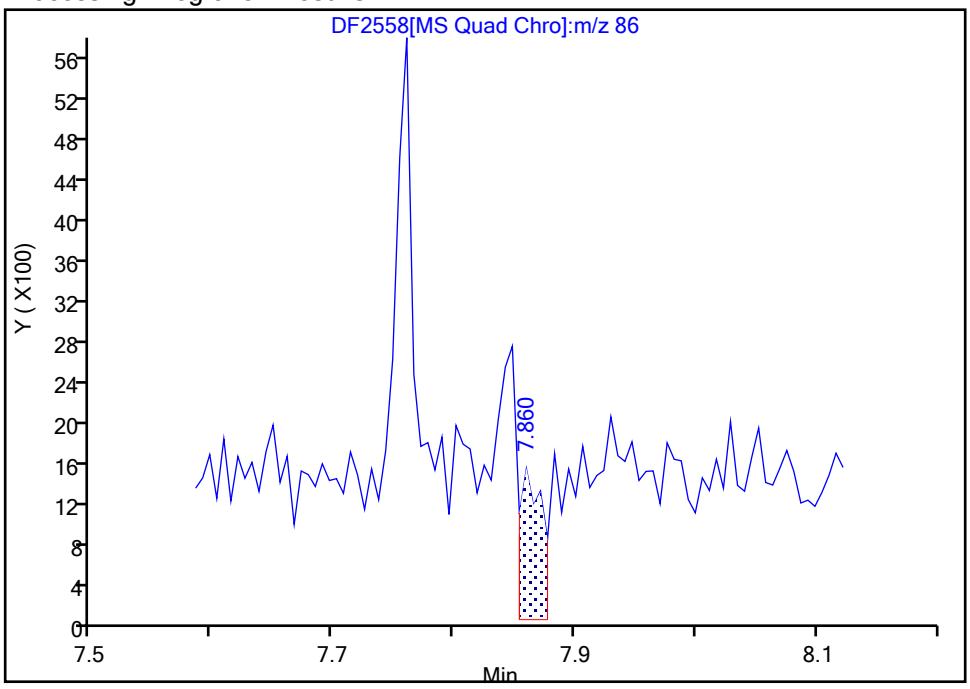
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2558.D				
Injection Date:	26-Jun-2025 02:03:23	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

117 trans-Diallate, CAS: 17708-58-6

Signal: 1

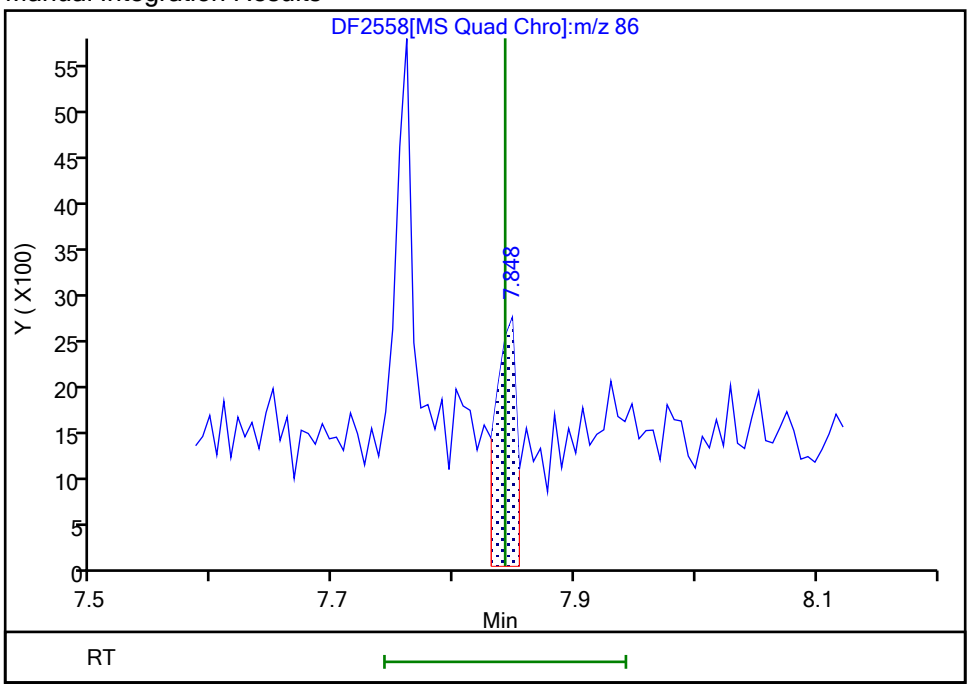
Processing Integration Results

RT: 7.86
Area: 1695
Amount: 0.039011
Amount Units: ug/ml



Manual Integration Results

RT: 7.85
Area: 2950
Amount: 0.074117
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:31:16 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

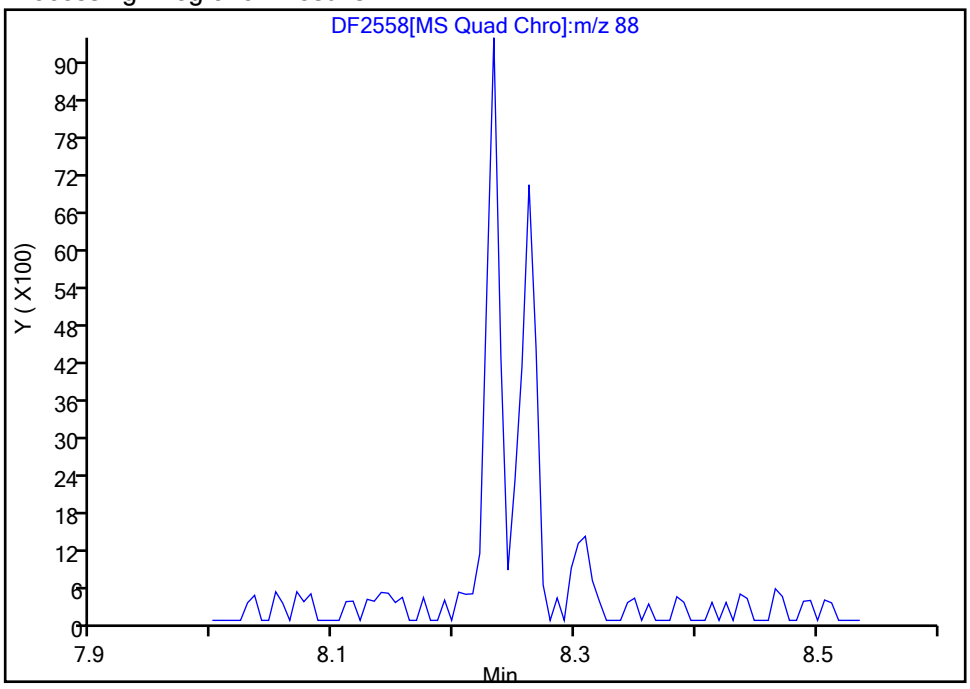
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2558.D				
Injection Date:	26-Jun-2025 02:03:23	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

127 Disulfoton, CAS: 298-04-4

Signal: 1

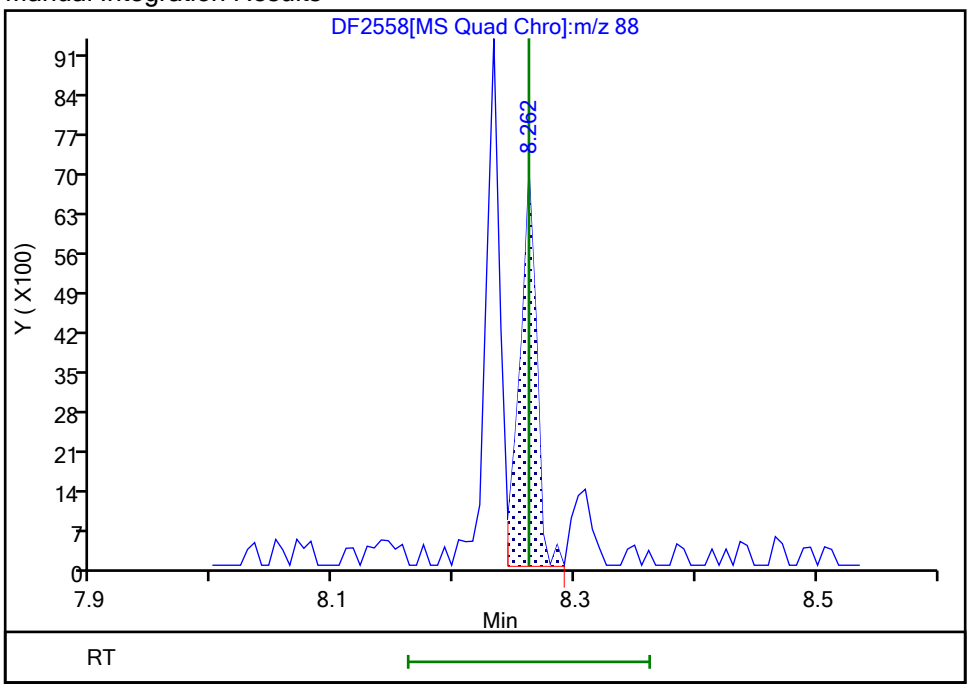
Not Detected
Expected RT: 8.26

Processing Integration Results



Manual Integration Results

RT: 8.26
Area: 6625
Amount: 0.123880
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:31:25 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

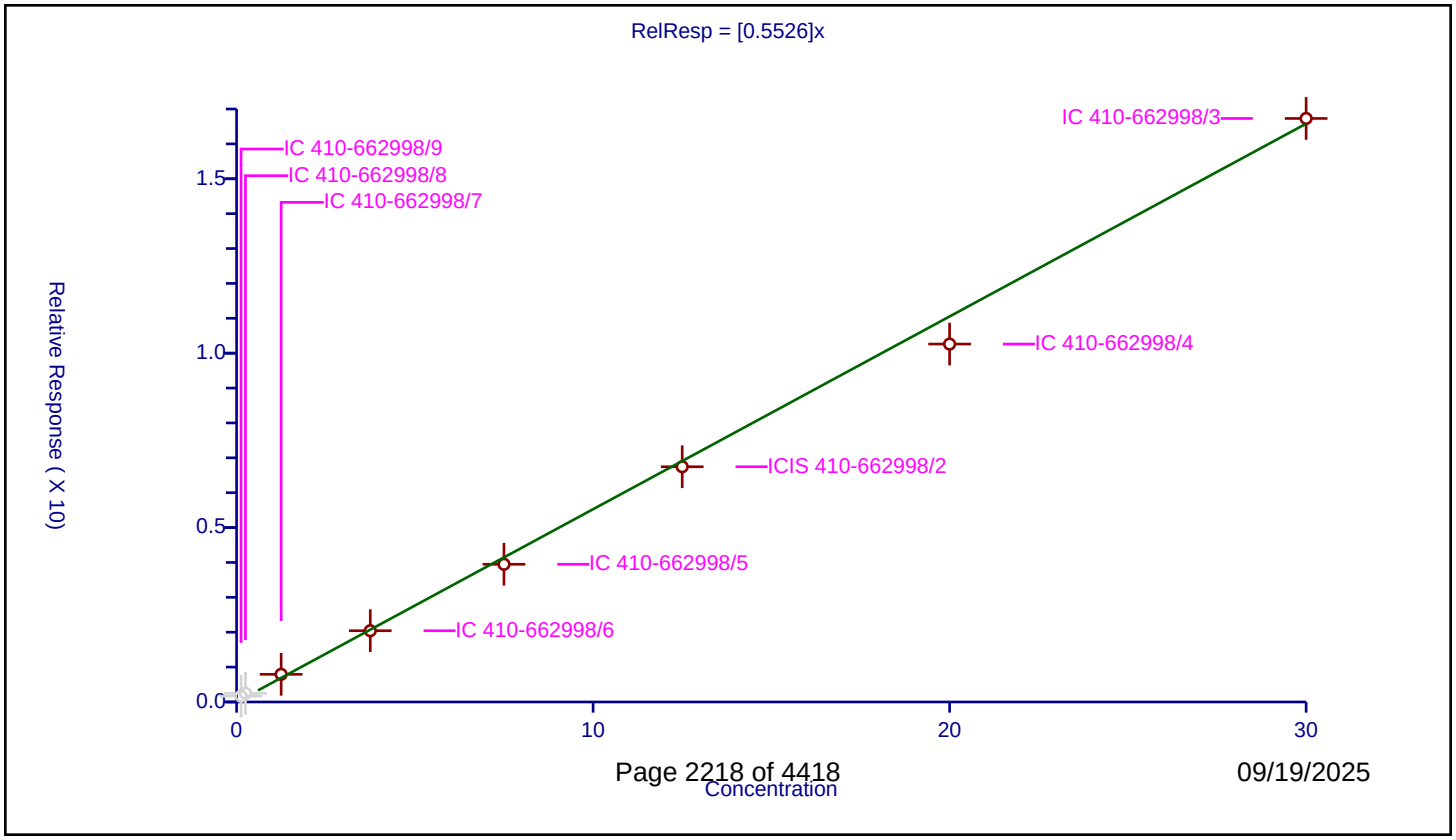
Curve Coefficients

Intercept:	0
Slope:	0.5526

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.166229	5.0	164322.0	1.329828	N
2	IC 410-662998/8	0.25	0.247997	5.0	164155.0	0.991989	N
3	IC 410-662998/7	1.25	0.792926	5.0	159542.0	0.634341	Y
4	IC 410-662998/6	3.75	2.043002	5.0	167807.0	0.5448	Y
5	IC 410-662998/5	7.5	3.948403	5.0	164274.0	0.526454	Y
6	ICIS 410-662998/2	12.5	6.74383	5.0	182383.0	0.539506	Y
7	IC 410-662998/4	20.0	10.261341	5.0	169357.0	0.513067	Y
8	IC 410-662998/3	30.0	16.729365	5.0	162337.0	0.557646	Y



09/19/2025

Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

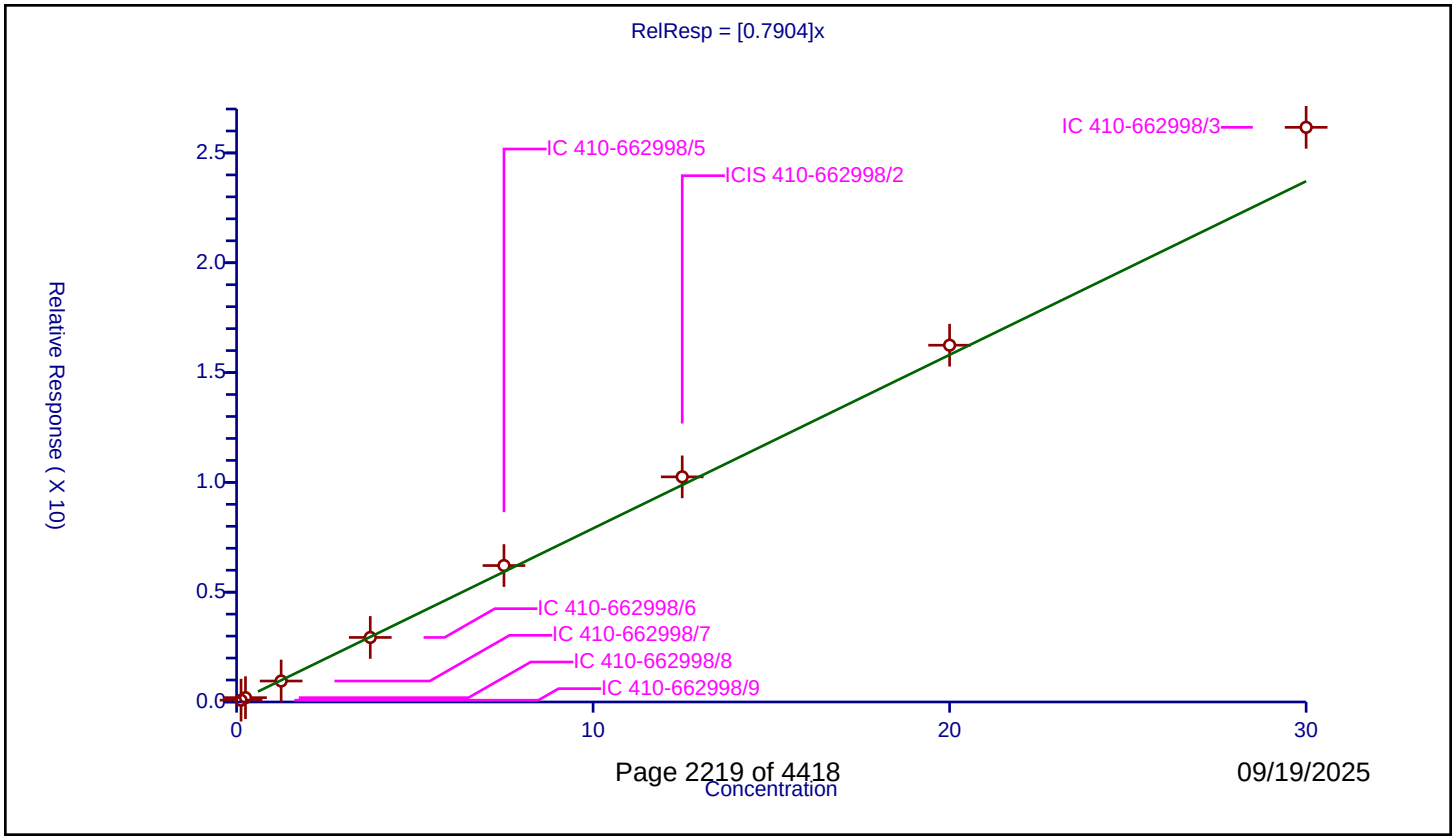
Curve Coefficients

Intercept:	0
Slope:	0.7904

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.081851	5.0	164322.0	0.654812	Y
2	IC 410-662998/8	0.25	0.196918	5.0	164155.0	0.78767	Y
3	IC 410-662998/7	1.25	0.95489	5.0	159542.0	0.763912	Y
4	IC 410-662998/6	3.75	2.939031	5.0	167807.0	0.783742	Y
5	IC 410-662998/5	7.5	6.212486	5.0	164274.0	0.828332	Y
6	ICIS 410-662998/2	12.5	10.250736	5.0	182383.0	0.820059	Y
7	IC 410-662998/4	20.0	16.245741	5.0	169357.0	0.812287	Y
8	IC 410-662998/3	30.0	26.16523	5.0	162337.0	0.872174	Y



Calibration / Pyridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

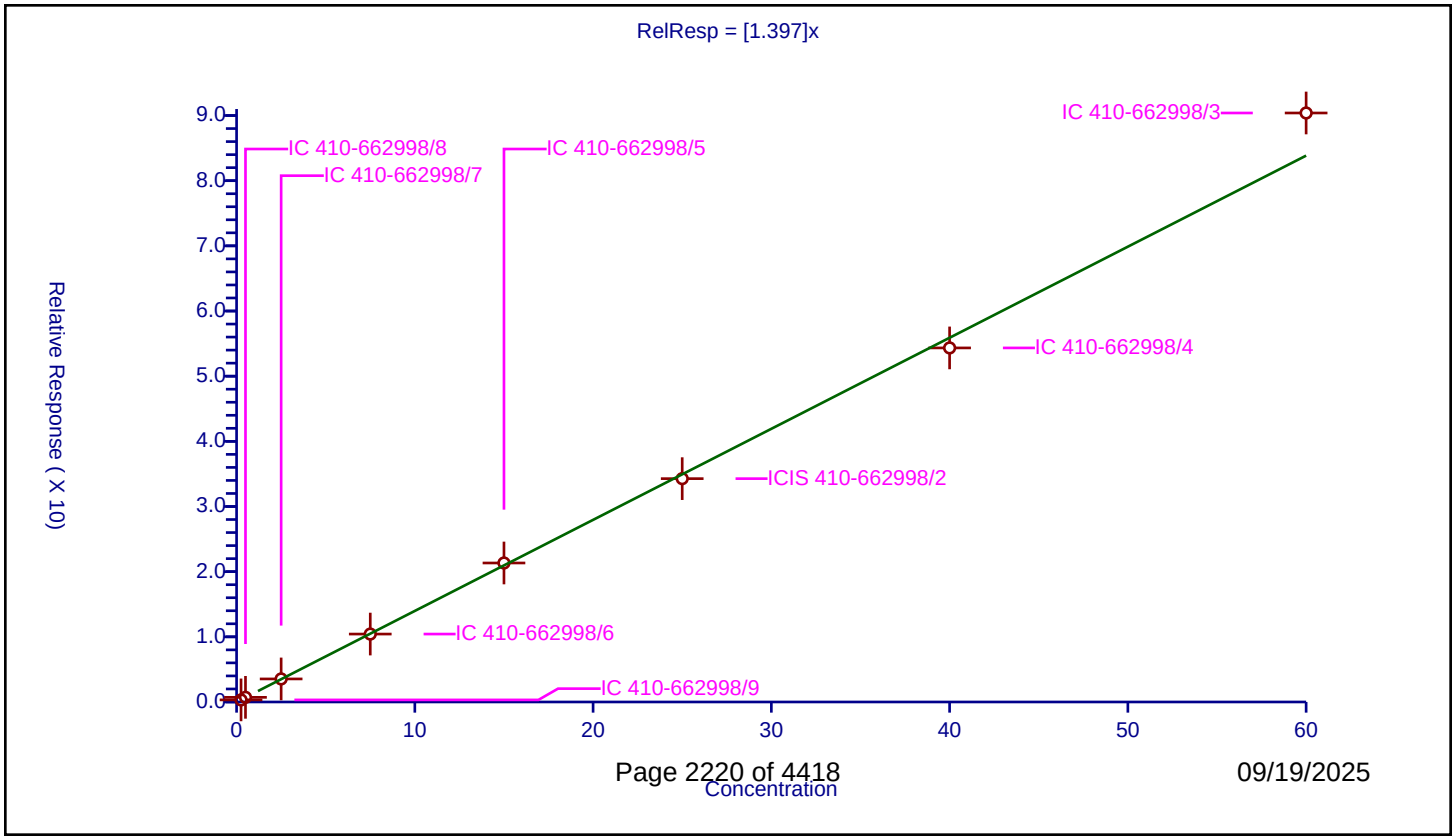
Curve Coefficients

Intercept:	0
Slope:	1.397

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.25	0.322385	5.0	164322.0	1.289541	Y
2	IC 410-662998/8	0.5	0.713167	5.0	164155.0	1.426335	Y
3	IC 410-662998/7	2.5	3.538755	5.0	159542.0	1.415502	Y
4	IC 410-662998/6	7.5	10.423492	5.0	167807.0	1.389799	Y
5	IC 410-662998/5	15.0	21.332347	5.0	164274.0	1.422156	Y
6	ICIS 410-662998/2	25.0	34.277537	5.0	182383.0	1.371101	Y
7	IC 410-662998/4	40.0	54.336963	5.0	169357.0	1.358424	Y
8	IC 410-662998/3	60.0	90.390607	5.0	162337.0	1.50651	Y



Calibration / Dimethylformamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

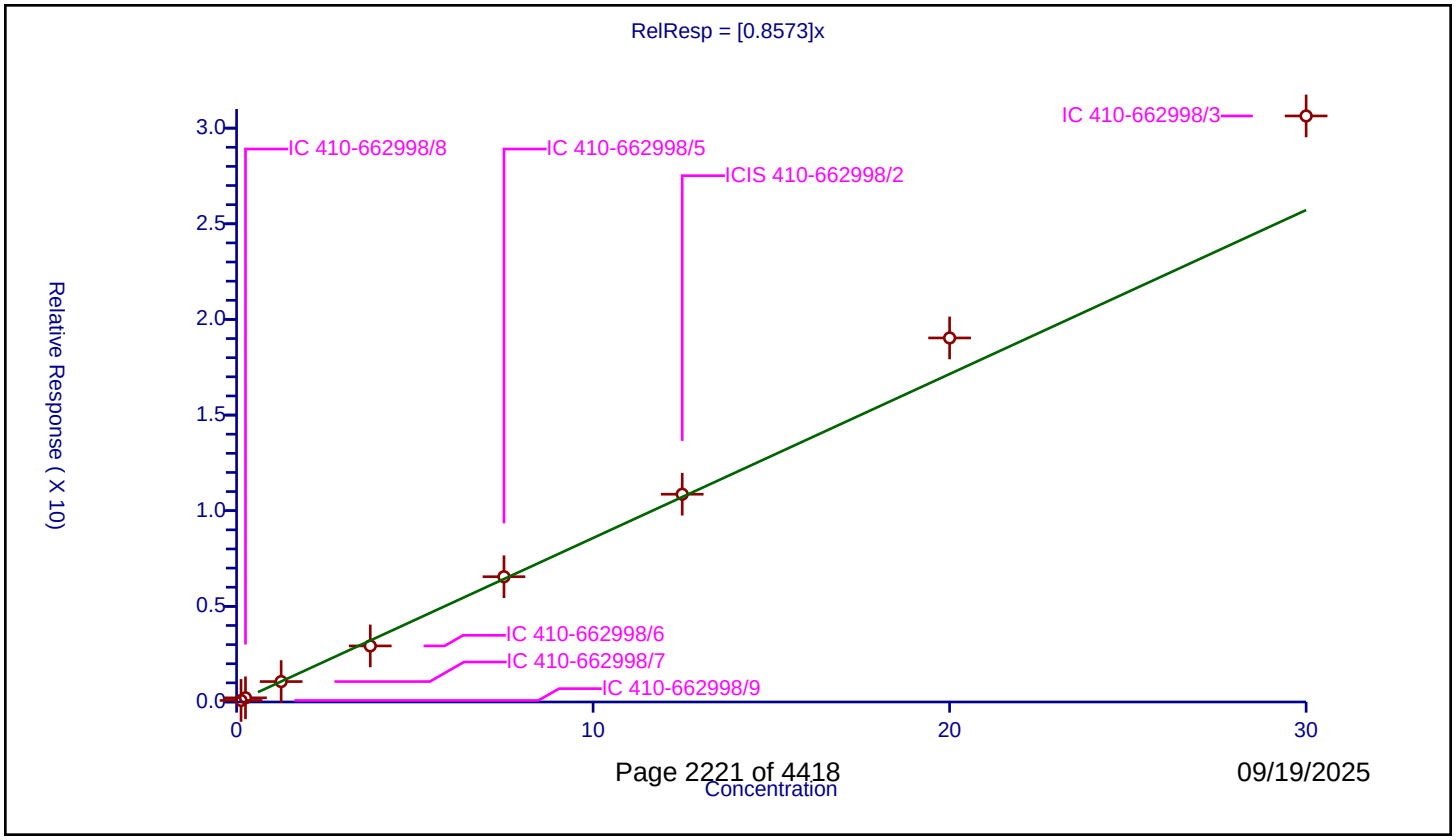
Curve Coefficients

Intercept:	0
Slope:	0.8573

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.079874	5.0	164322.0	0.638989	Y
2	IC 410-662998/8	0.25	0.217142	5.0	164155.0	0.868569	Y
3	IC 410-662998/7	1.25	1.067525	5.0	159542.0	0.85402	Y
4	IC 410-662998/6	3.75	2.931314	5.0	167807.0	0.781684	Y
5	IC 410-662998/5	7.5	6.548145	5.0	164274.0	0.873086	Y
6	ICIS 410-662998/2	12.5	10.862142	5.0	182383.0	0.868971	Y
7	IC 410-662998/4	20.0	19.031011	5.0	169357.0	0.951551	Y
8	IC 410-662998/3	30.0	30.637224	5.0	162337.0	1.021241	Y



Calibration / 2-Picoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

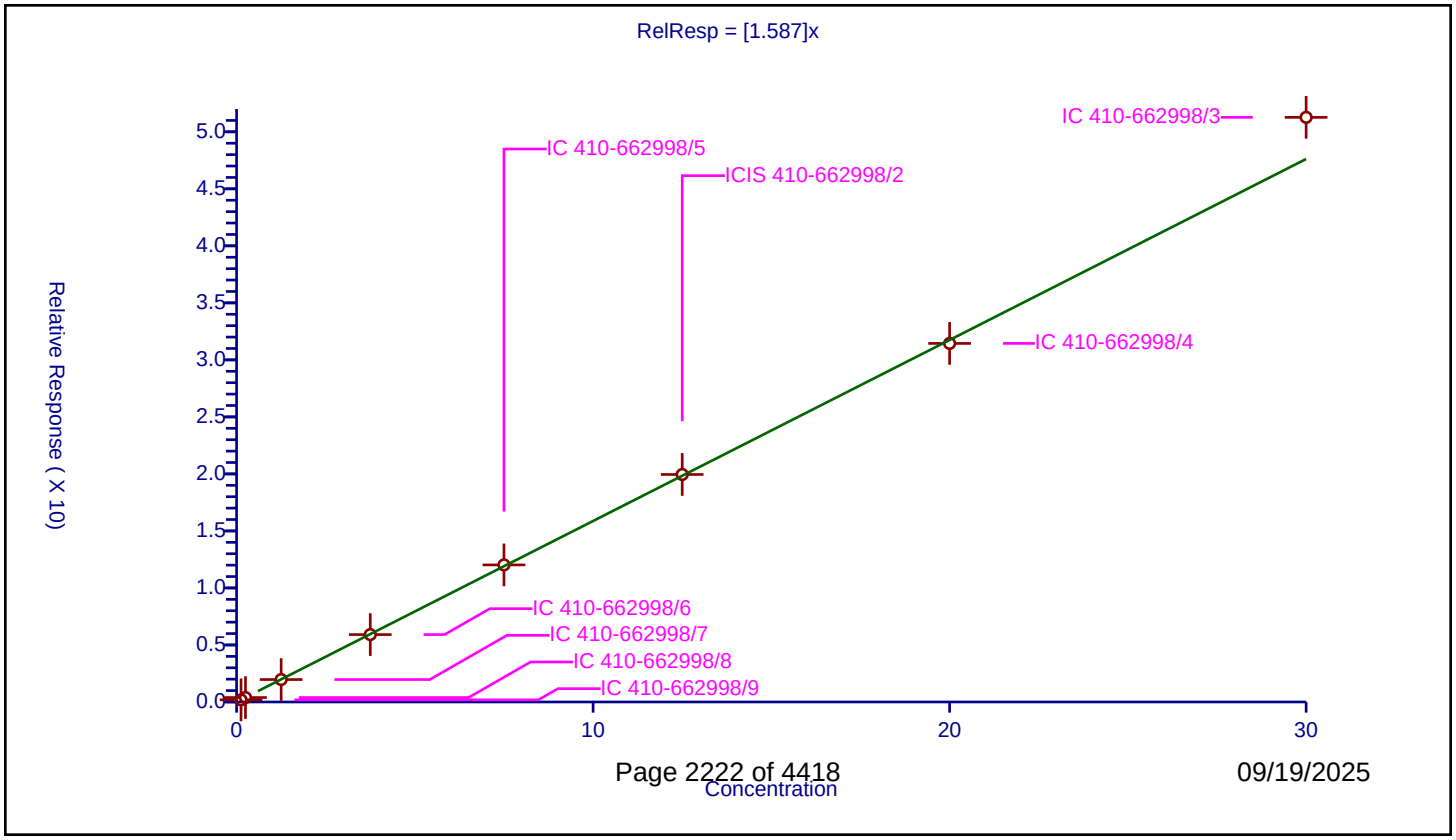
Curve Coefficients

Intercept:	0
Slope:	1.587

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.188532	5.0	164322.0	1.508258	Y
2	IC 410-662998/8	0.25	0.389875	5.0	164155.0	1.559502	Y
3	IC 410-662998/7	1.25	1.967068	5.0	159542.0	1.573655	Y
4	IC 410-662998/6	3.75	5.909855	5.0	167807.0	1.575961	Y
5	IC 410-662998/5	7.5	12.020922	5.0	164274.0	1.60279	Y
6	ICIS 410-662998/2	12.5	19.951668	5.0	182383.0	1.596133	Y
7	IC 410-662998/4	20.0	31.445408	5.0	169357.0	1.57227	Y
8	IC 410-662998/3	30.0	51.267887	5.0	162337.0	1.70893	Y



09/19/2025

Calibration / N-Nitrosomethylethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

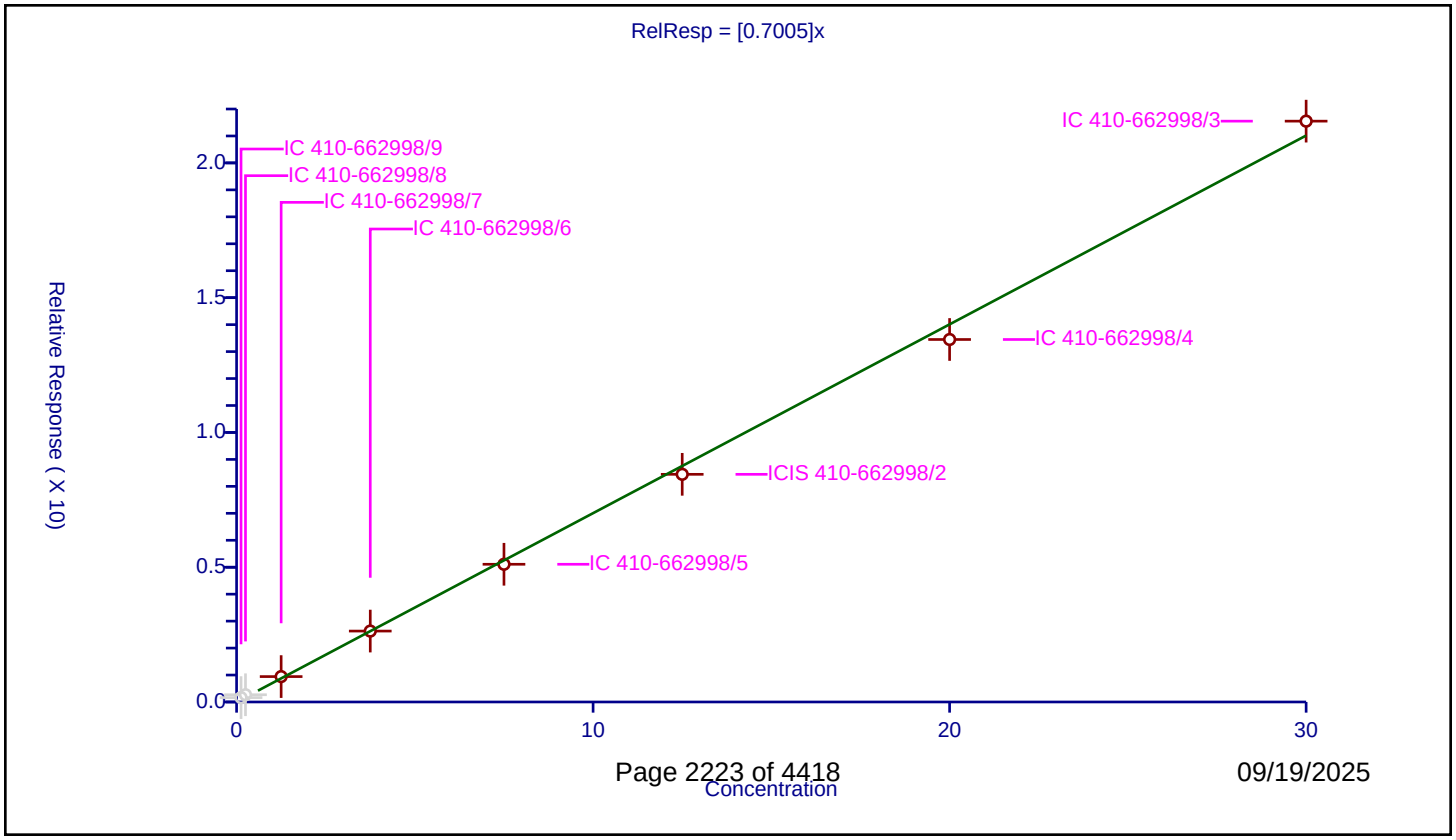
Curve Coefficients

Intercept:	0
Slope:	0.7005

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.162547	5.0	164322.0	1.300374	N
2	IC 410-662998/8	0.25	0.268527	5.0	164155.0	1.074107	N
3	IC 410-662998/7	1.25	0.942197	5.0	159542.0	0.753758	Y
4	IC 410-662998/6	3.75	2.631237	5.0	167807.0	0.701663	Y
5	IC 410-662998/5	7.5	5.109086	5.0	164274.0	0.681211	Y
6	ICIS 410-662998/2	12.5	8.447032	5.0	182383.0	0.675763	Y
7	IC 410-662998/4	20.0	13.449016	5.0	169357.0	0.672451	Y
8	IC 410-662998/3	30.0	21.55017	5.0	162337.0	0.718339	Y



09/19/2025

Calibration / Methyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

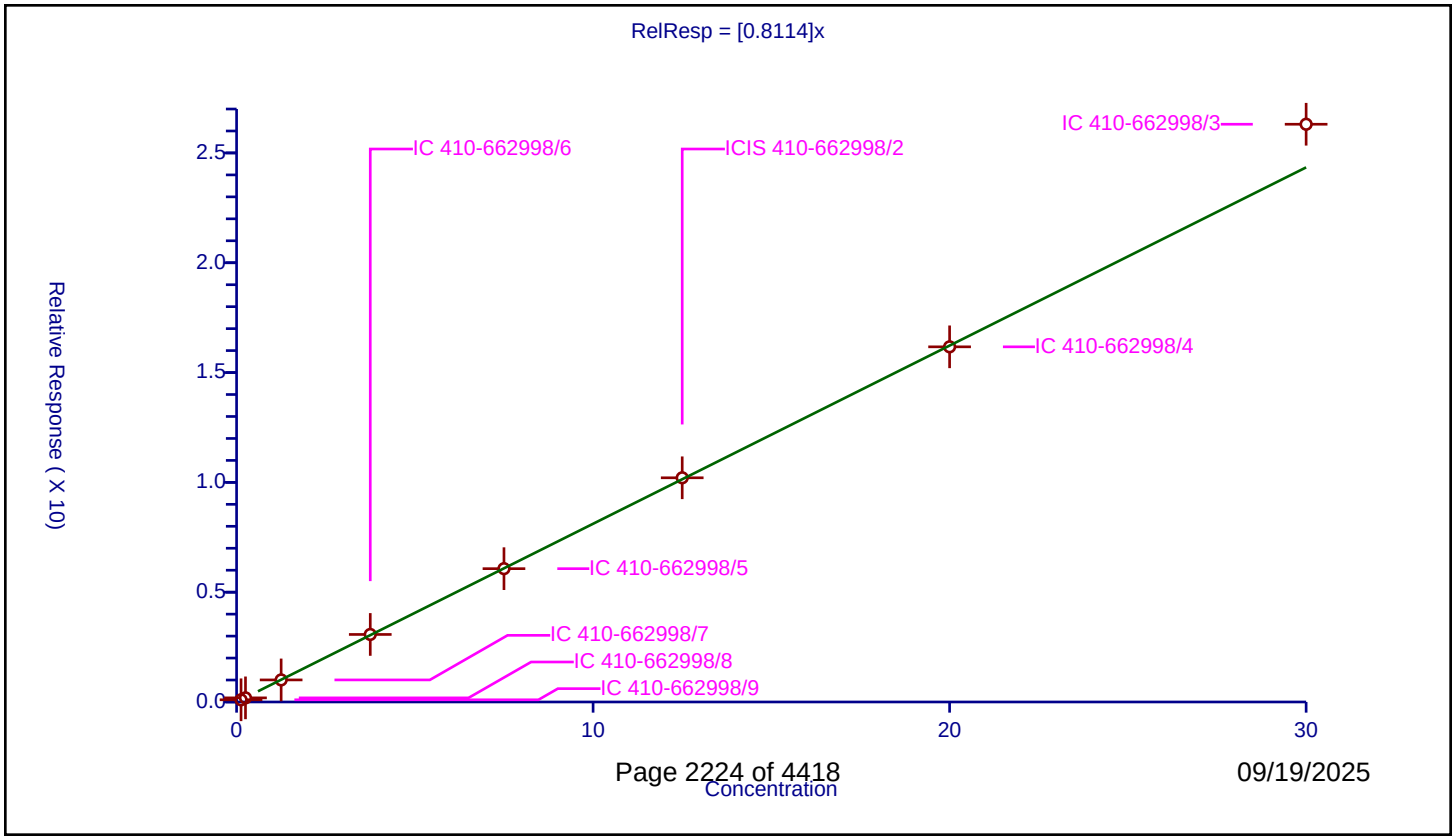
Curve Coefficients

Intercept:	0
Slope:	0.8114

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.100656	5.0	164322.0	0.805248	Y
2	IC 410-662998/8	0.25	0.187506	5.0	164155.0	0.750023	Y
3	IC 410-662998/7	1.25	1.005347	5.0	159542.0	0.804277	Y
4	IC 410-662998/6	3.75	3.07508	5.0	167807.0	0.820021	Y
5	IC 410-662998/5	7.5	6.070772	5.0	164274.0	0.809436	Y
6	ICIS 410-662998/2	12.5	10.208298	5.0	182383.0	0.816664	Y
7	IC 410-662998/4	20.0	16.171992	5.0	169357.0	0.8086	Y
8	IC 410-662998/3	30.0	26.306295	5.0	162337.0	0.876876	Y



09/19/2025

Calibration / 2-Fluorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

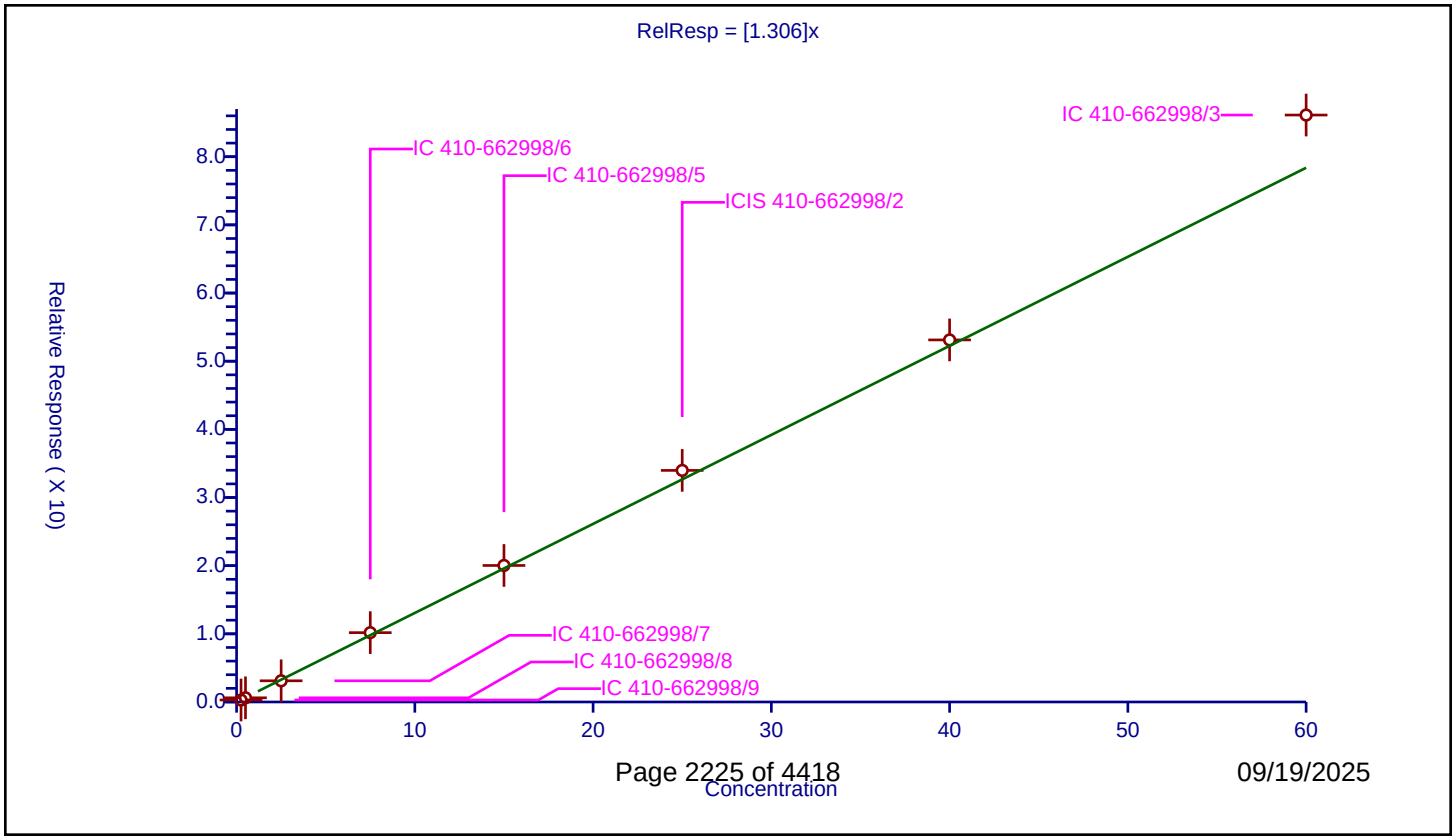
Curve Coefficients

Intercept:	0
Slope:	1.306

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.25	0.291866	5.0	164322.0	1.167464	Y
2	IC 410-662998/8	0.5	0.61314	5.0	164155.0	1.22628	Y
3	IC 410-662998/7	2.5	3.107207	5.0	159542.0	1.242883	Y
4	IC 410-662998/6	7.5	10.173175	5.0	167807.0	1.356423	Y
5	IC 410-662998/5	15.0	20.028702	5.0	164274.0	1.335247	Y
6	ICIS 410-662998/2	25.0	33.977015	5.0	182383.0	1.359081	Y
7	IC 410-662998/4	40.0	53.121631	5.0	169357.0	1.328041	Y
8	IC 410-662998/3	60.0	86.114071	5.0	162337.0	1.435235	Y



09/19/2025

Calibration / N-Nitrosodiethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

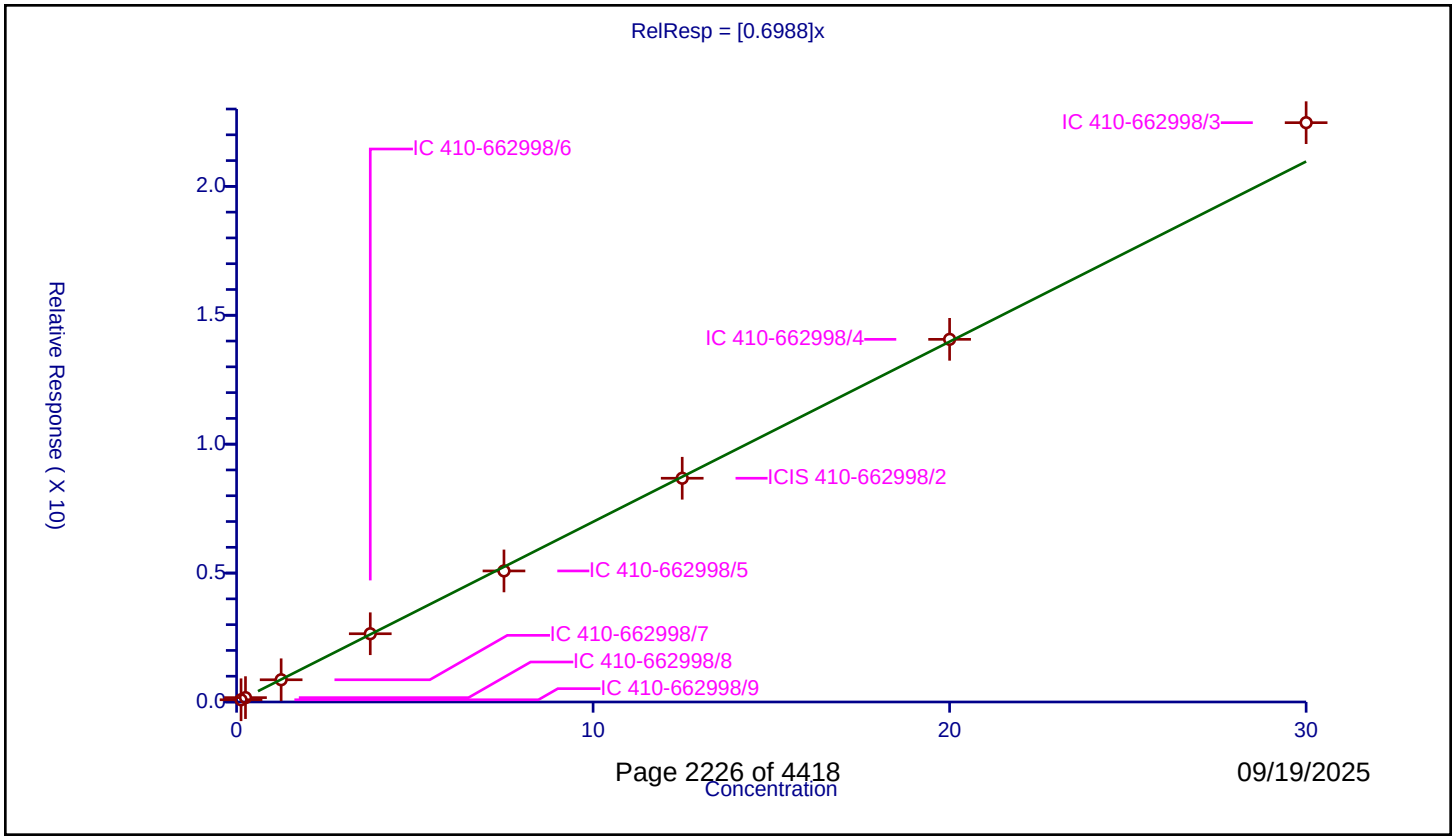
Curve Coefficients

Intercept:	0
Slope:	0.6988

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.086507	5.0	164322.0	0.692056	Y
2	IC 410-662998/8	0.25	0.169626	5.0	164155.0	0.678505	Y
3	IC 410-662998/7	1.25	0.861999	5.0	159542.0	0.689599	Y
4	IC 410-662998/6	3.75	2.647238	5.0	167807.0	0.70593	Y
5	IC 410-662998/5	7.5	5.083519	5.0	164274.0	0.677803	Y
6	ICIS 410-662998/2	12.5	8.678276	5.0	182383.0	0.694262	Y
7	IC 410-662998/4	20.0	14.066912	5.0	169357.0	0.703346	Y
8	IC 410-662998/3	30.0	22.470232	5.0	162337.0	0.749008	Y



Calibration / Ethyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

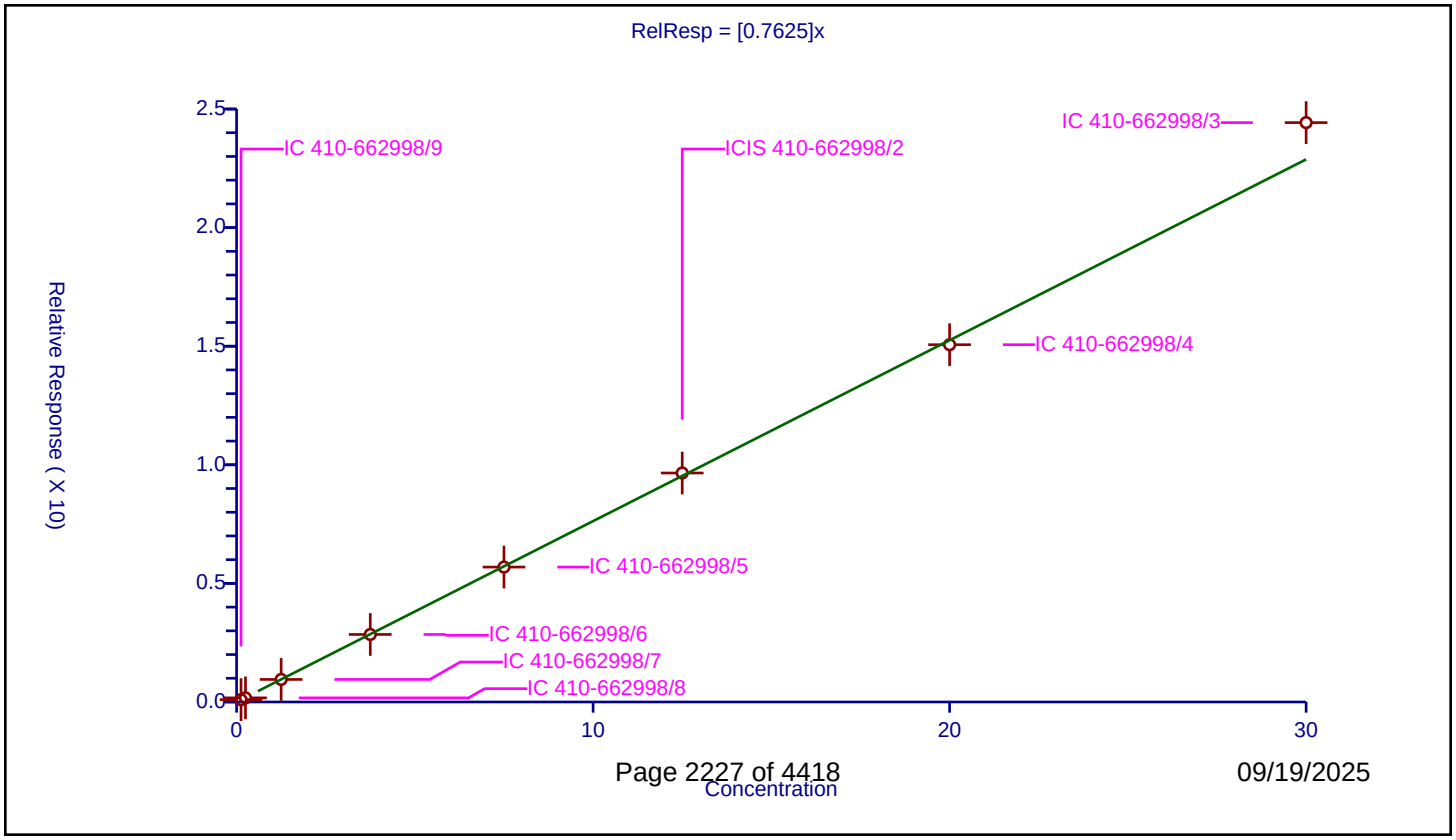
Curve Coefficients

Intercept:	0
Slope:	0.7625

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.098313	5.0	164322.0	0.786505	Y
2	IC 410-662998/8	0.25	0.173921	5.0	164155.0	0.695684	Y
3	IC 410-662998/7	1.25	0.950753	5.0	159542.0	0.760602	Y
4	IC 410-662998/6	3.75	2.847229	5.0	167807.0	0.759261	Y
5	IC 410-662998/5	7.5	5.688514	5.0	164274.0	0.758469	Y
6	ICIS 410-662998/2	12.5	9.653668	5.0	182383.0	0.772293	Y
7	IC 410-662998/4	20.0	15.063977	5.0	169357.0	0.753199	Y
8	IC 410-662998/3	30.0	24.426717	5.0	162337.0	0.814224	Y



Calibration / Benzaldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

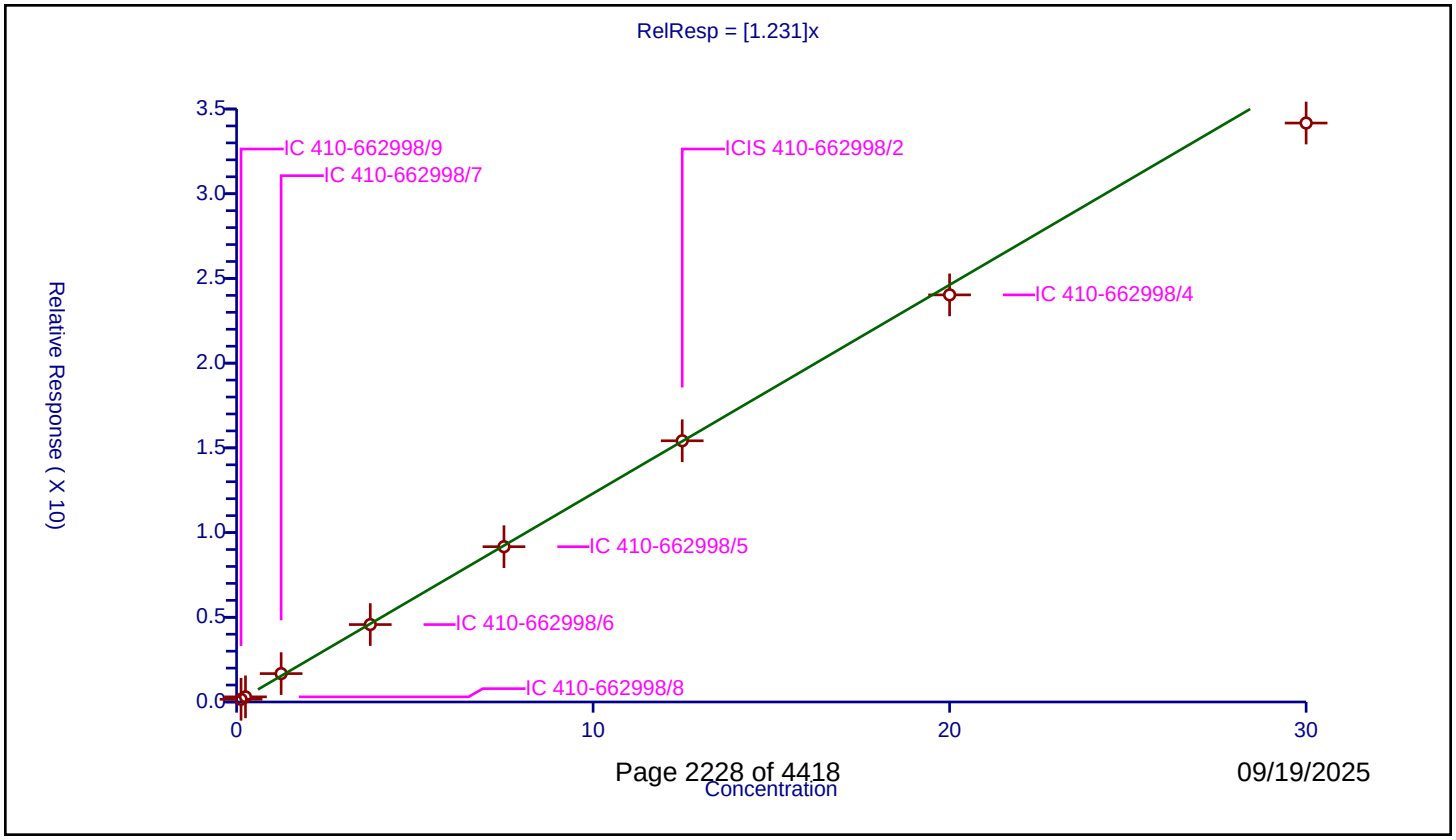
Curve Coefficients

Intercept:	0
Slope:	1.231

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.159869	5.0	164322.0	1.278952	Y
2	IC 410-662998/8	0.25	0.303615	5.0	164155.0	1.214462	Y
3	IC 410-662998/7	1.25	1.675202	5.0	159542.0	1.340161	Y
4	IC 410-662998/6	3.75	4.569744	5.0	167807.0	1.218598	Y
5	IC 410-662998/5	7.5	9.165449	5.0	164274.0	1.22206	Y
6	ICIS 410-662998/2	12.5	15.417967	5.0	182383.0	1.233437	Y
7	IC 410-662998/4	20.0	24.029476	5.0	169357.0	1.201474	Y
8	IC 410-662998/3	30.0	34.172555	5.0	162337.0	1.139085	Y



Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

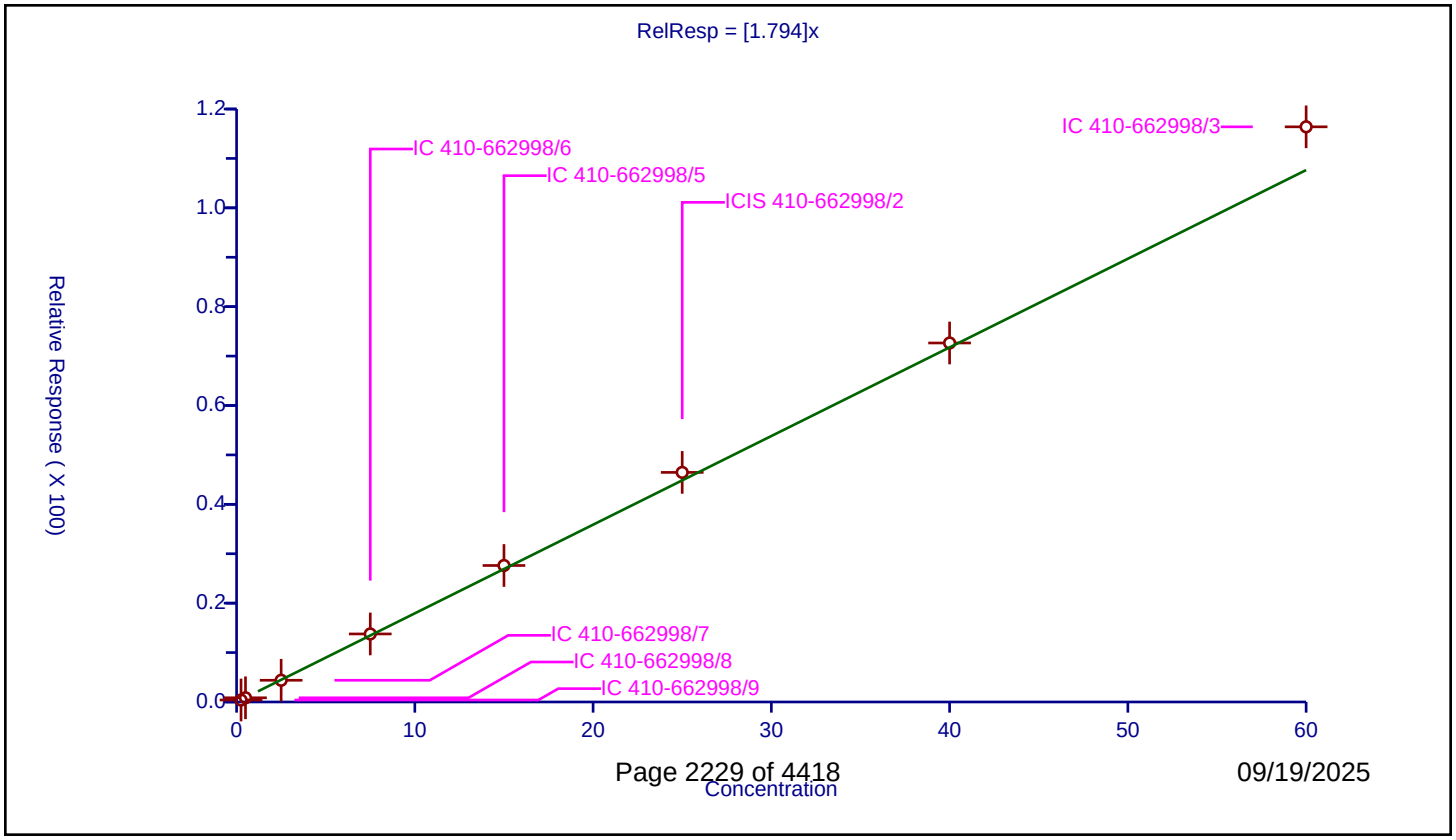
Curve Coefficients

Intercept:	0
Slope:	1.794

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.25	0.399946	5.0	164322.0	1.599786	Y
2	IC 410-662998/8	0.5	0.85139	5.0	164155.0	1.702781	Y
3	IC 410-662998/7	2.5	4.392981	5.0	159542.0	1.757192	Y
4	IC 410-662998/6	7.5	13.771237	5.0	167807.0	1.836165	Y
5	IC 410-662998/5	15.0	27.620196	5.0	164274.0	1.841346	Y
6	ICIS 410-662998/2	25.0	46.460909	5.0	182383.0	1.858436	Y
7	IC 410-662998/4	40.0	72.651559	5.0	169357.0	1.816289	Y
8	IC 410-662998/3	60.0	116.396693	5.0	162337.0	1.939945	Y



09/19/2025

Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

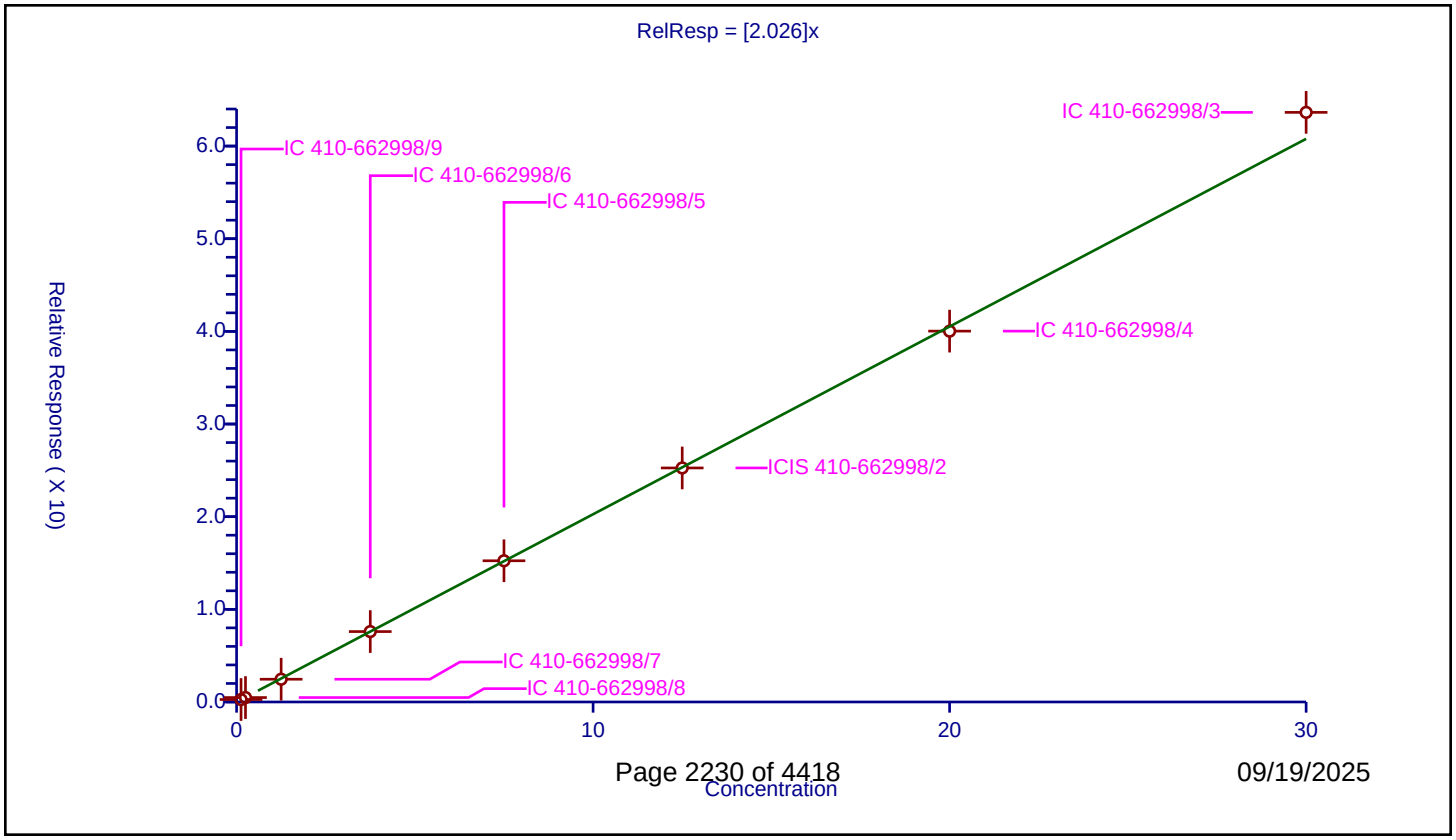
Curve Coefficients

Intercept:	0
Slope:	2.026

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.264815	5.0	164322.0	2.118523	Y
2	IC 410-662998/8	0.25	0.480461	5.0	164155.0	1.921842	Y
3	IC 410-662998/7	1.25	2.457253	5.0	159542.0	1.965802	Y
4	IC 410-662998/6	3.75	7.5987	5.0	167807.0	2.02632	Y
5	IC 410-662998/5	7.5	15.241487	5.0	164274.0	2.032198	Y
6	ICIS 410-662998/2	12.5	25.259673	5.0	182383.0	2.020774	Y
7	IC 410-662998/4	20.0	40.026423	5.0	169357.0	2.001321	Y
8	IC 410-662998/3	30.0	63.636632	5.0	162337.0	2.121221	Y



Calibration / Aniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

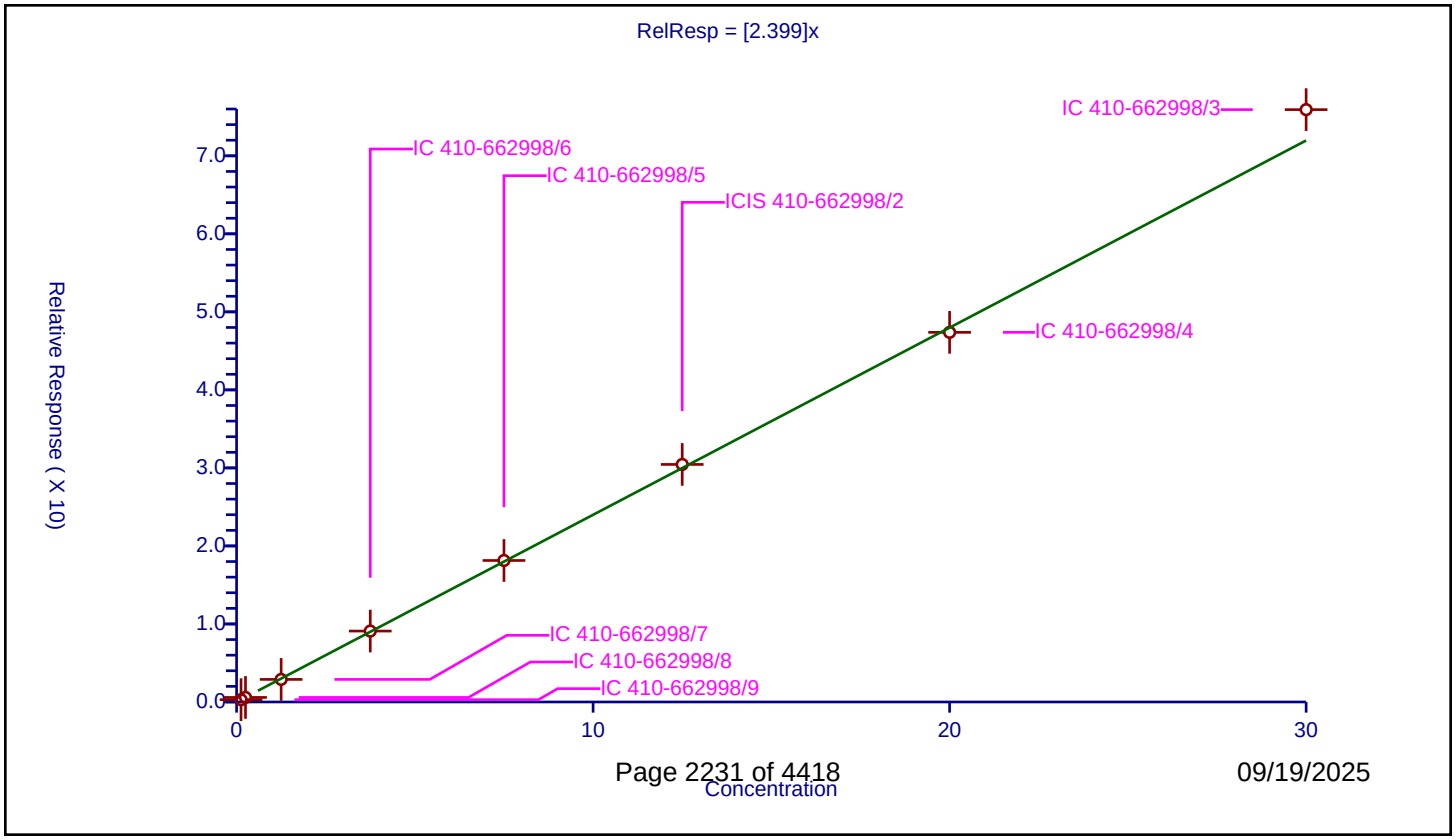
Curve Coefficients

Intercept:	0
Slope:	2.399

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.296095	5.0	164322.0	2.368764	Y
2	IC 410-662998/8	0.25	0.582651	5.0	164155.0	2.330602	Y
3	IC 410-662998/7	1.25	2.893063	5.0	159542.0	2.31445	Y
4	IC 410-662998/6	3.75	9.090145	5.0	167807.0	2.424039	Y
5	IC 410-662998/5	7.5	18.134915	5.0	164274.0	2.417989	Y
6	ICIS 410-662998/2	12.5	30.446176	5.0	182383.0	2.435694	Y
7	IC 410-662998/4	20.0	47.374658	5.0	169357.0	2.368733	Y
8	IC 410-662998/3	30.0	75.920801	5.0	162337.0	2.530693	Y



09/19/2025

Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

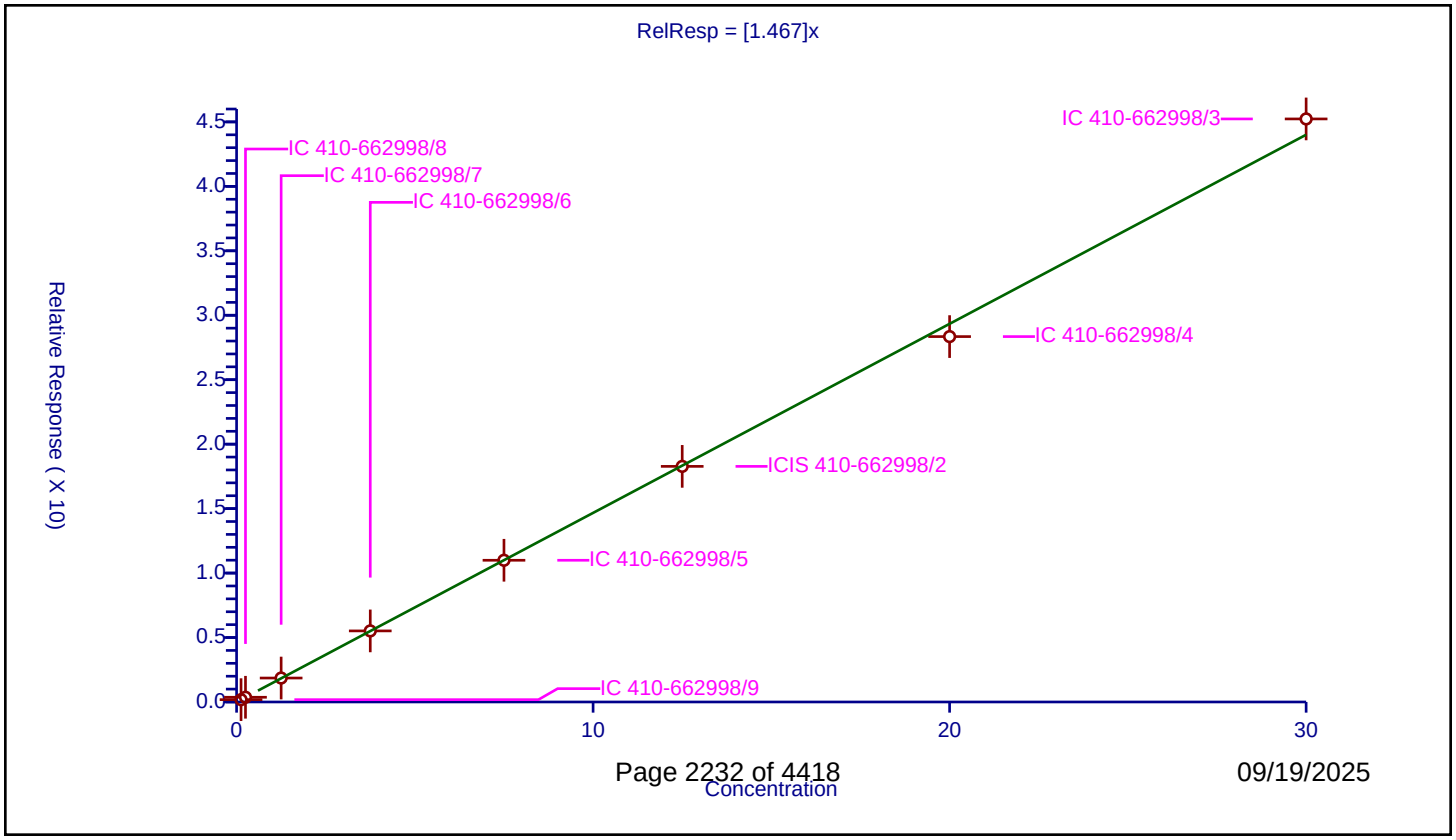
Curve Coefficients

Intercept:	0
Slope:	1.467

Error Coefficients

Relative Standard Deviation:	1.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.181503	5.0	164322.0	1.452027	Y
2	IC 410-662998/8	0.25	0.368097	5.0	164155.0	1.472389	Y
3	IC 410-662998/7	1.25	1.858225	5.0	159542.0	1.48658	Y
4	IC 410-662998/6	3.75	5.515026	5.0	167807.0	1.470674	Y
5	IC 410-662998/5	7.5	10.993371	5.0	164274.0	1.465783	Y
6	ICIS 410-662998/2	12.5	18.277663	5.0	182383.0	1.462213	Y
7	IC 410-662998/4	20.0	28.345389	5.0	169357.0	1.417269	Y
8	IC 410-662998/3	30.0	45.229831	5.0	162337.0	1.507661	Y



Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

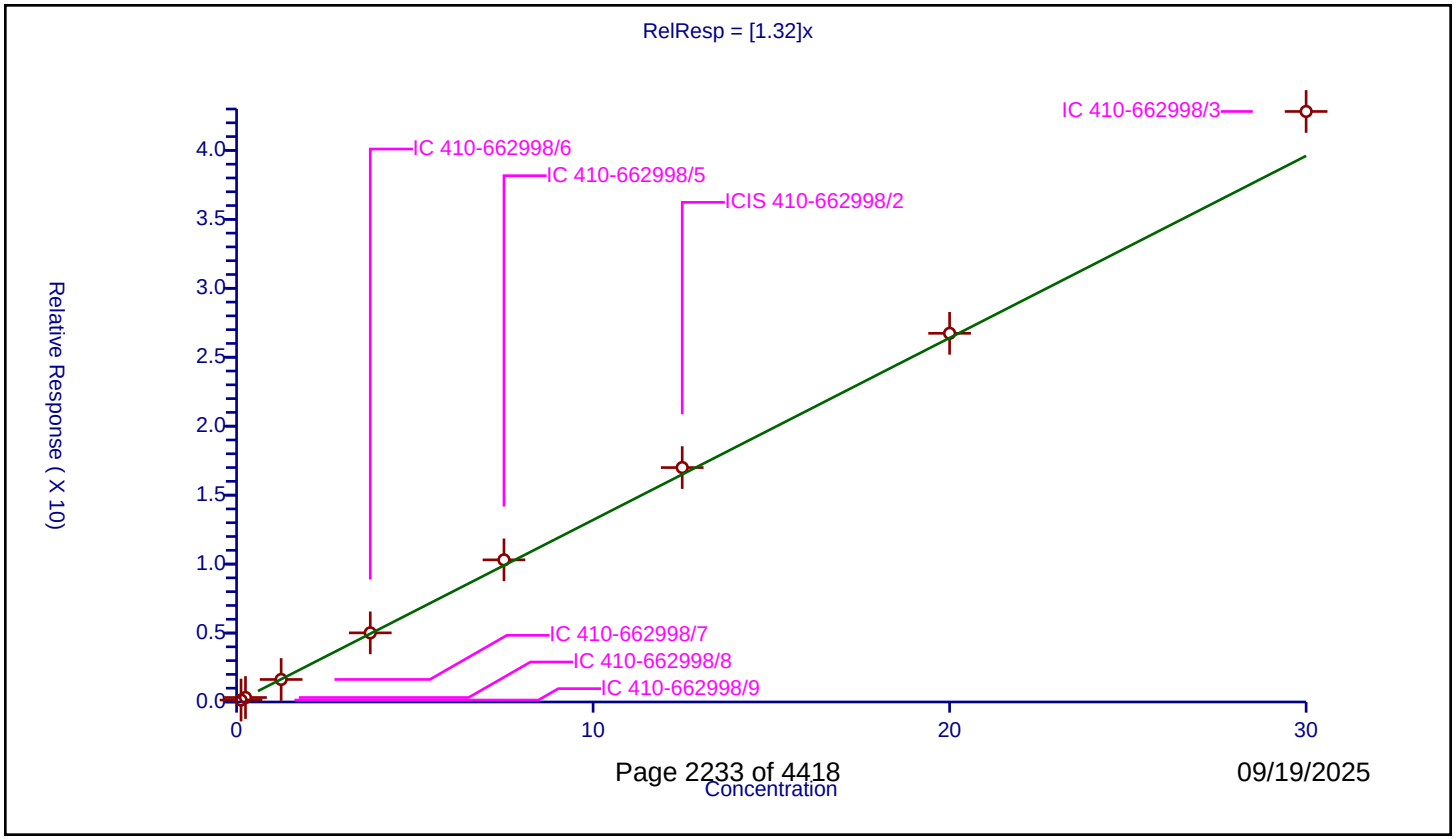
Curve Coefficients

Intercept:	0
Slope:	1.32

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.140639	5.0	164322.0	1.125108	Y
2	IC 410-662998/8	0.25	0.323322	5.0	164155.0	1.29329	Y
3	IC 410-662998/7	1.25	1.633927	5.0	159542.0	1.307142	Y
4	IC 410-662998/6	3.75	5.0132	5.0	167807.0	1.336853	Y
5	IC 410-662998/5	7.5	10.305161	5.0	164274.0	1.374021	Y
6	ICIS 410-662998/2	12.5	16.999199	5.0	182383.0	1.359936	Y
7	IC 410-662998/4	20.0	26.735299	5.0	169357.0	1.336765	Y
8	IC 410-662998/3	30.0	42.822493	5.0	162337.0	1.427416	Y



09/19/2025

Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

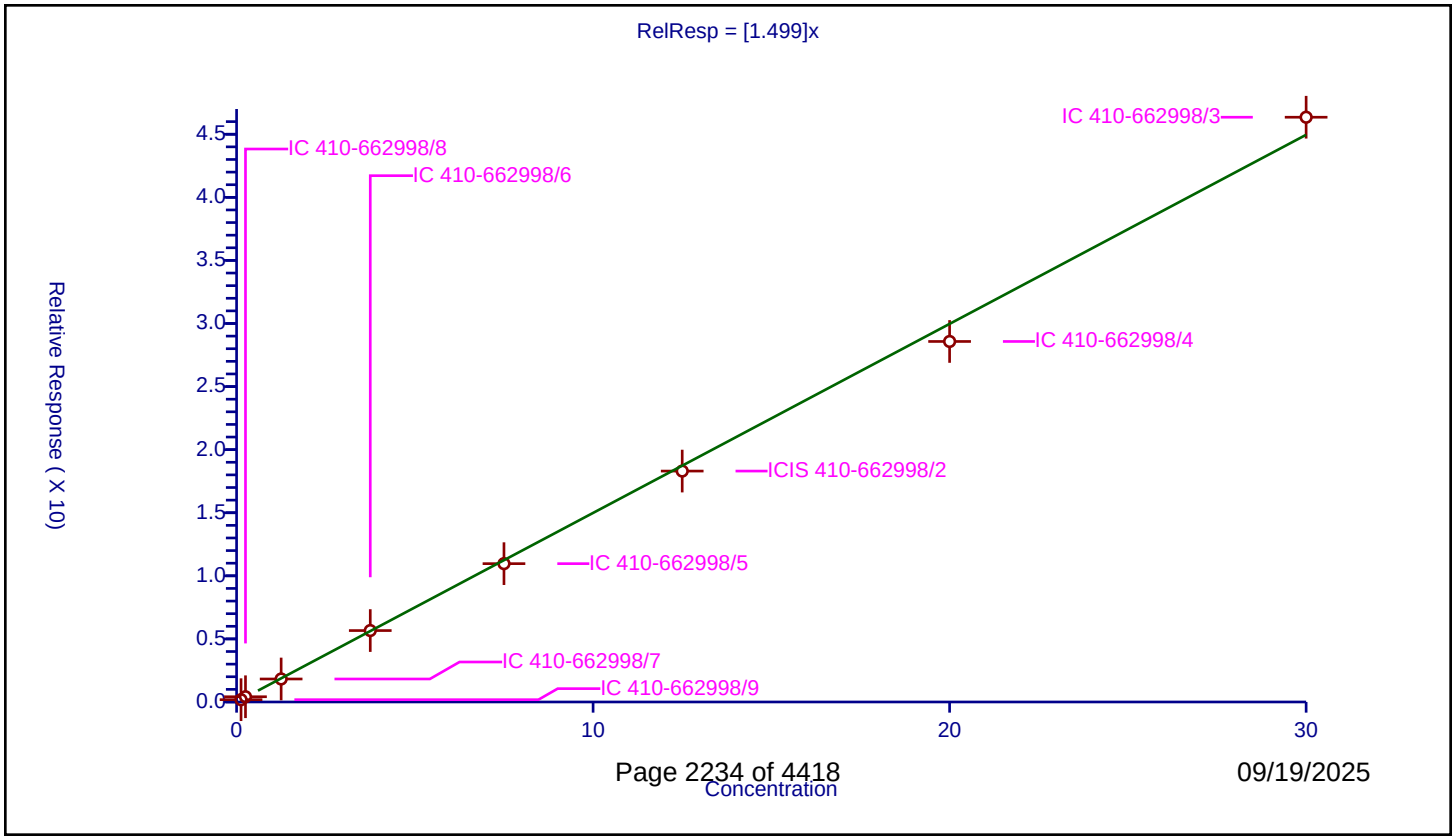
Curve Coefficients

Intercept:	0
Slope:	1.499

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.182629	5.0	164322.0	1.461034	Y
2	IC 410-662998/8	0.25	0.414852	5.0	164155.0	1.659407	Y
3	IC 410-662998/7	1.25	1.82278	5.0	159542.0	1.458224	Y
4	IC 410-662998/6	3.75	5.66061	5.0	167807.0	1.509496	Y
5	IC 410-662998/5	7.5	10.965338	5.0	164274.0	1.462045	Y
6	ICIS 410-662998/2	12.5	18.303433	5.0	182383.0	1.464275	Y
7	IC 410-662998/4	20.0	28.574904	5.0	169357.0	1.428745	Y
8	IC 410-662998/3	30.0	46.349323	5.0	162337.0	1.544977	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

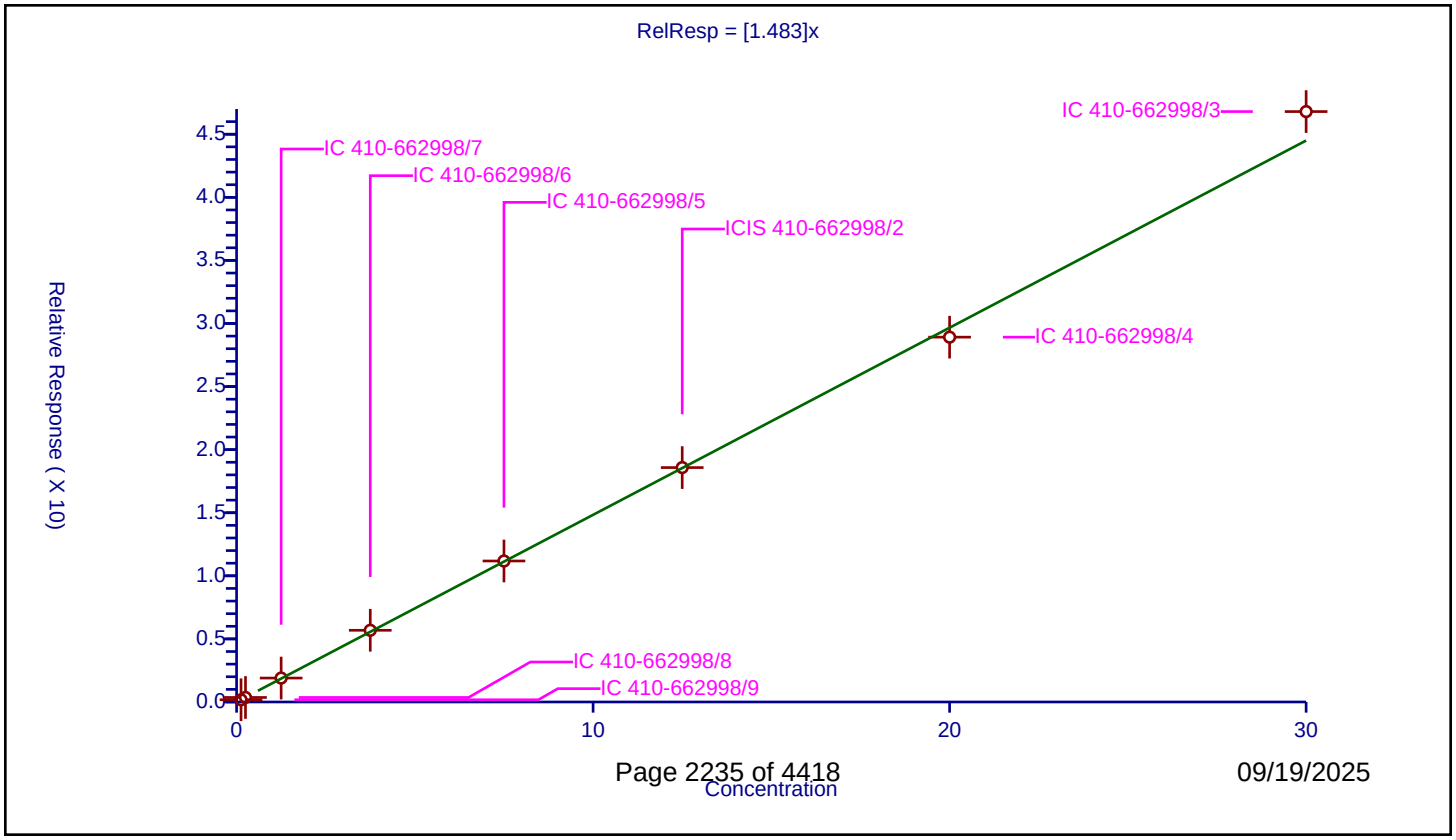
Curve Coefficients

Intercept:	0
Slope:	1.483

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.177091	5.0	164322.0	1.416731	Y
2	IC 410-662998/8	0.25	0.358655	5.0	164155.0	1.43462	Y
3	IC 410-662998/7	1.25	1.897588	5.0	159542.0	1.51807	Y
4	IC 410-662998/6	3.75	5.682659	5.0	167807.0	1.515376	Y
5	IC 410-662998/5	7.5	11.174806	5.0	164274.0	1.489974	Y
6	ICIS 410-662998/2	12.5	18.580597	5.0	182383.0	1.486448	Y
7	IC 410-662998/4	20.0	28.917169	5.0	169357.0	1.445858	Y
8	IC 410-662998/3	30.0	46.797865	5.0	162337.0	1.559929	Y



Calibration / Benzyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

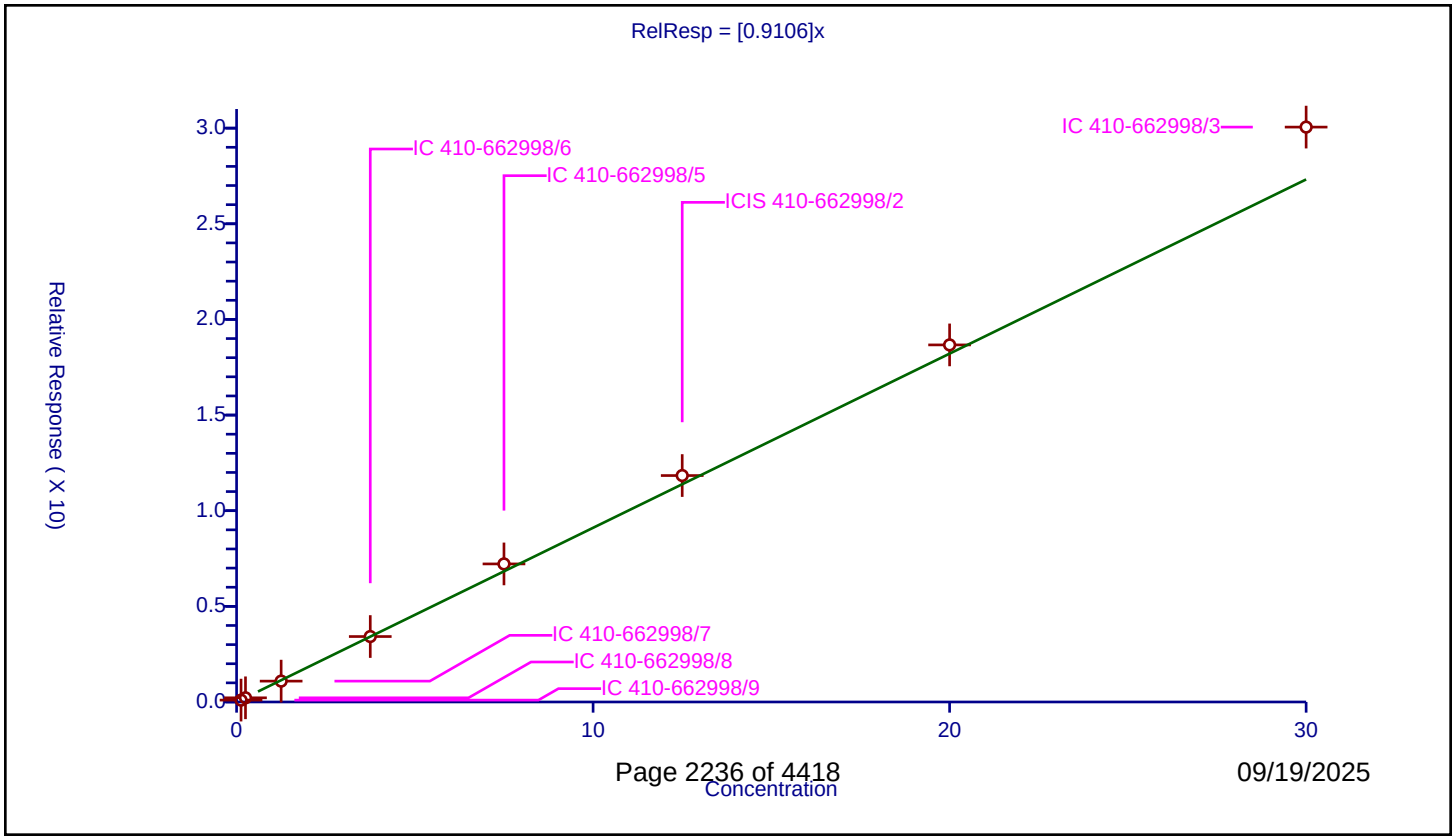
Curve Coefficients

Intercept:	0
Slope:	0.9106

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.097918	5.0	164322.0	0.78334	Y
2	IC 410-662998/8	0.25	0.217843	5.0	164155.0	0.871372	Y
3	IC 410-662998/7	1.25	1.091092	5.0	159542.0	0.872874	Y
4	IC 410-662998/6	3.75	3.421967	5.0	167807.0	0.912525	Y
5	IC 410-662998/5	7.5	7.21791	5.0	164274.0	0.962388	Y
6	ICIS 410-662998/2	12.5	11.838137	5.0	182383.0	0.947051	Y
7	IC 410-662998/4	20.0	18.667932	5.0	169357.0	0.933397	Y
8	IC 410-662998/3	30.0	30.055225	5.0	162337.0	1.001841	Y



09/19/2025

Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

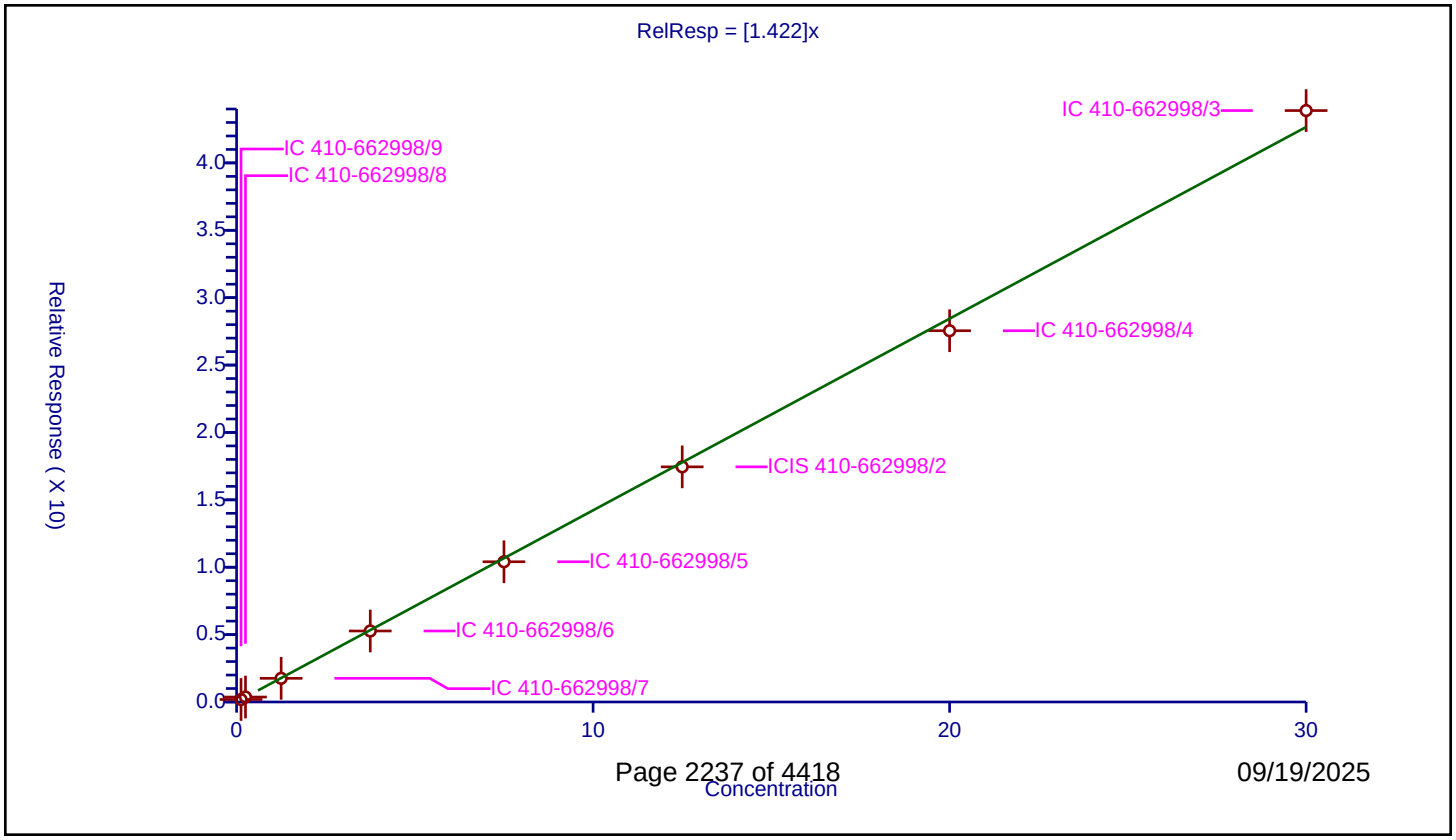
Curve Coefficients

Intercept:	0
Slope:	1.422

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.184151	5.0	164322.0	1.473205	Y
2	IC 410-662998/8	0.25	0.367762	5.0	164155.0	1.471049	Y
3	IC 410-662998/7	1.25	1.755839	5.0	159542.0	1.404671	Y
4	IC 410-662998/6	3.75	5.269268	5.0	167807.0	1.405138	Y
5	IC 410-662998/5	7.5	10.404507	5.0	164274.0	1.387268	Y
6	ICIS 410-662998/2	12.5	17.447624	5.0	182383.0	1.39581	Y
7	IC 410-662998/4	20.0	27.547902	5.0	169357.0	1.377395	Y
8	IC 410-662998/3	30.0	43.884358	5.0	162337.0	1.462812	Y



Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

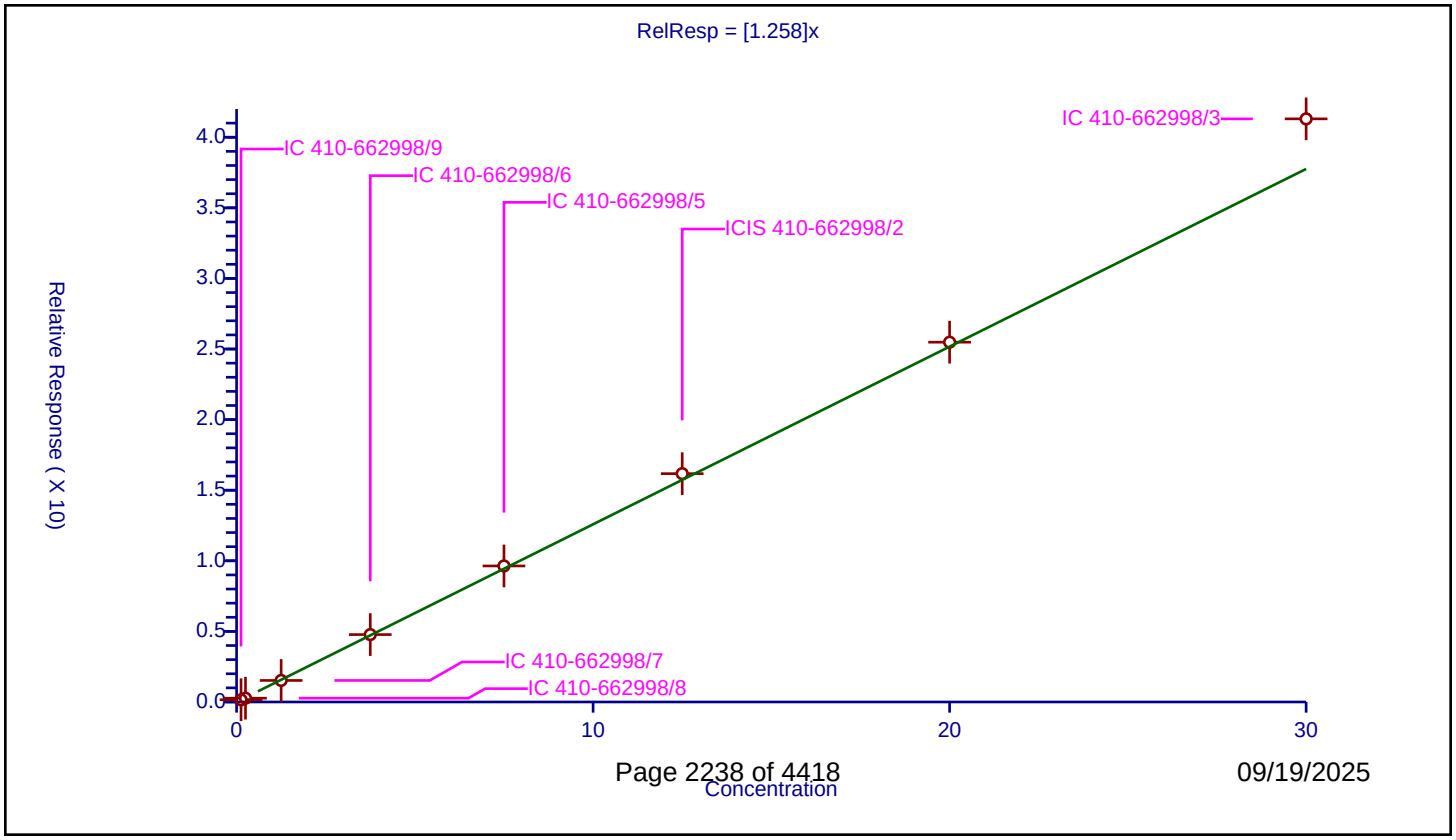
Curve Coefficients

Intercept:	0
Slope:	1.258

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.158652	5.0	164322.0	1.269215	Y
2	IC 410-662998/8	0.25	0.268953	5.0	164155.0	1.075812	Y
3	IC 410-662998/7	1.25	1.525836	5.0	159542.0	1.220669	Y
4	IC 410-662998/6	3.75	4.773043	5.0	167807.0	1.272811	Y
5	IC 410-662998/5	7.5	9.634848	5.0	164274.0	1.284646	Y
6	ICIS 410-662998/2	12.5	16.173574	5.0	182383.0	1.293886	Y
7	IC 410-662998/4	20.0	25.484391	5.0	169357.0	1.27422	Y
8	IC 410-662998/3	30.0	41.302075	5.0	162337.0	1.376736	Y



Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

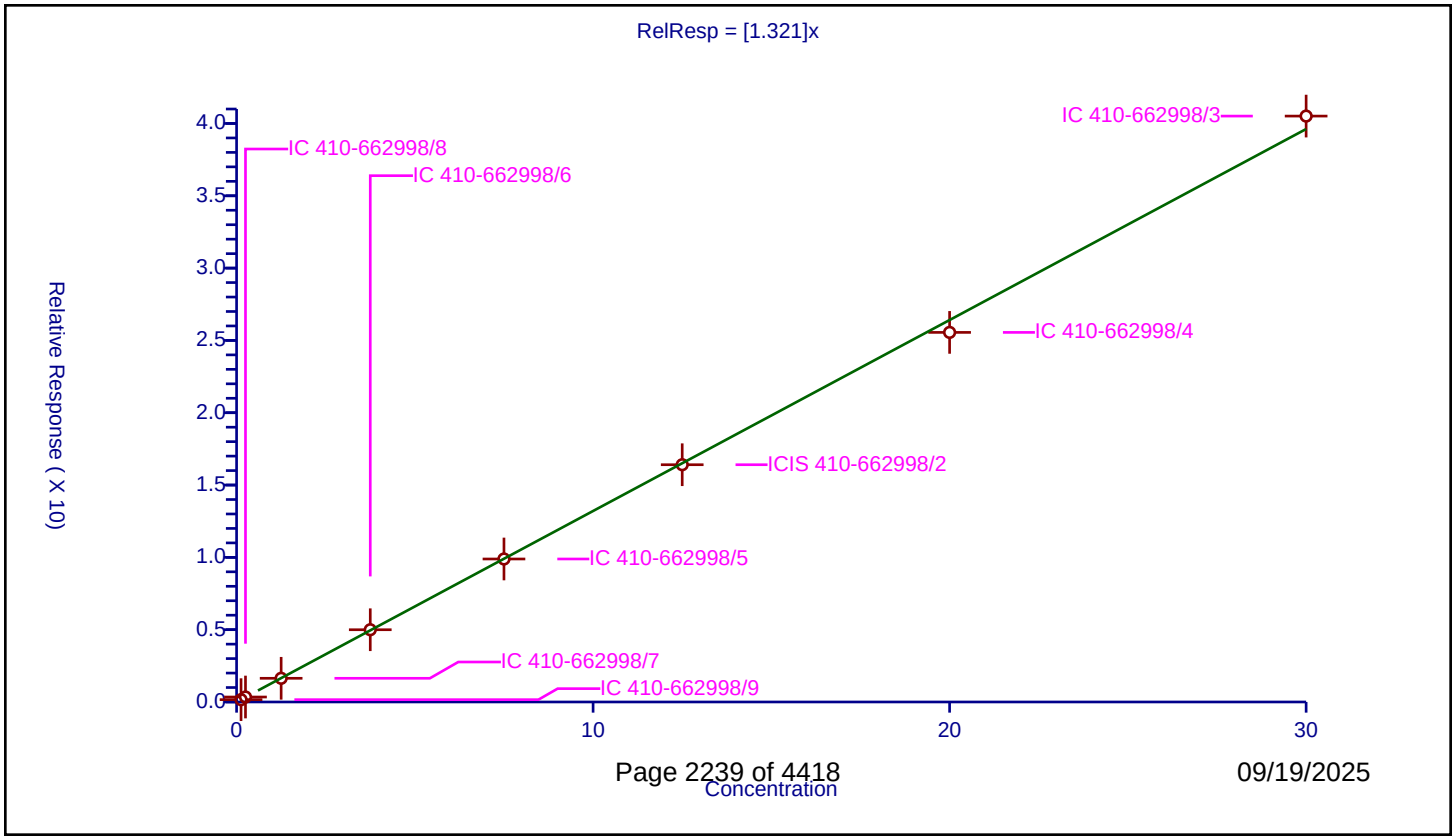
Curve Coefficients

Intercept:	0
Slope:	1.321

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.161269	5.0	164322.0	1.29015	Y
2	IC 410-662998/8	0.25	0.343121	5.0	164155.0	1.372483	Y
3	IC 410-662998/7	1.25	1.638095	5.0	159542.0	1.310476	Y
4	IC 410-662998/6	3.75	4.996156	5.0	167807.0	1.332308	Y
5	IC 410-662998/5	7.5	9.886988	5.0	164274.0	1.318265	Y
6	ICIS 410-662998/2	12.5	16.406244	5.0	182383.0	1.3125	Y
7	IC 410-662998/4	20.0	25.55507	5.0	169357.0	1.277754	Y
8	IC 410-662998/3	30.0	40.511282	5.0	162337.0	1.350376	Y



Calibration / N-Nitrosopyrrolidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

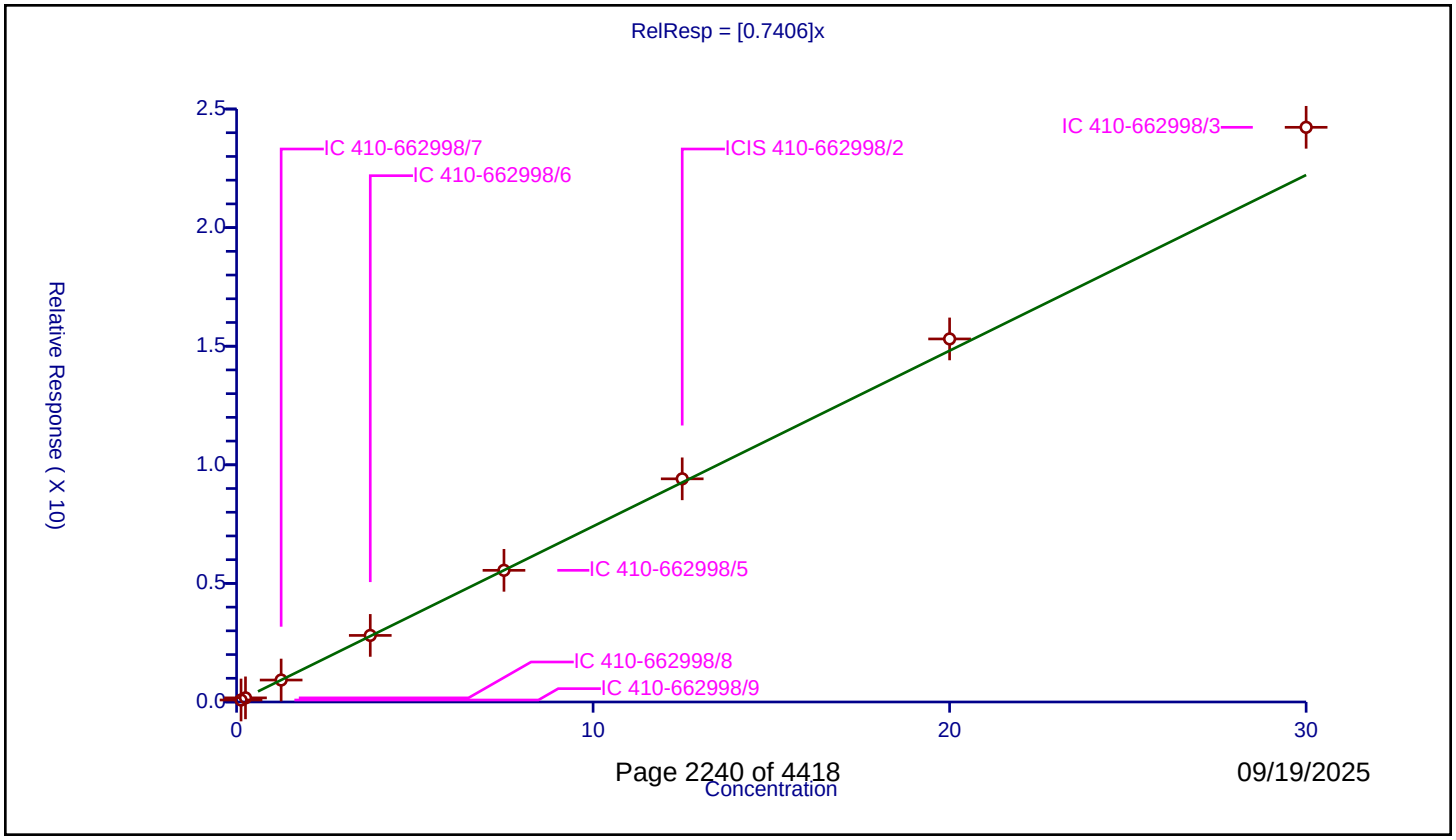
Curve Coefficients

Intercept:	0
Slope:	0.7406

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.084134	5.0	164322.0	0.673069	Y
2	IC 410-662998/8	0.25	0.174134	5.0	164155.0	0.696537	Y
3	IC 410-662998/7	1.25	0.9259	5.0	159542.0	0.74072	Y
4	IC 410-662998/6	3.75	2.806617	5.0	167807.0	0.748431	Y
5	IC 410-662998/5	7.5	5.551396	5.0	164274.0	0.740186	Y
6	ICIS 410-662998/2	12.5	9.407977	5.0	182383.0	0.752638	Y
7	IC 410-662998/4	20.0	15.30666	5.0	169357.0	0.765333	Y
8	IC 410-662998/3	30.0	24.228796	5.0	162337.0	0.807627	Y



Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

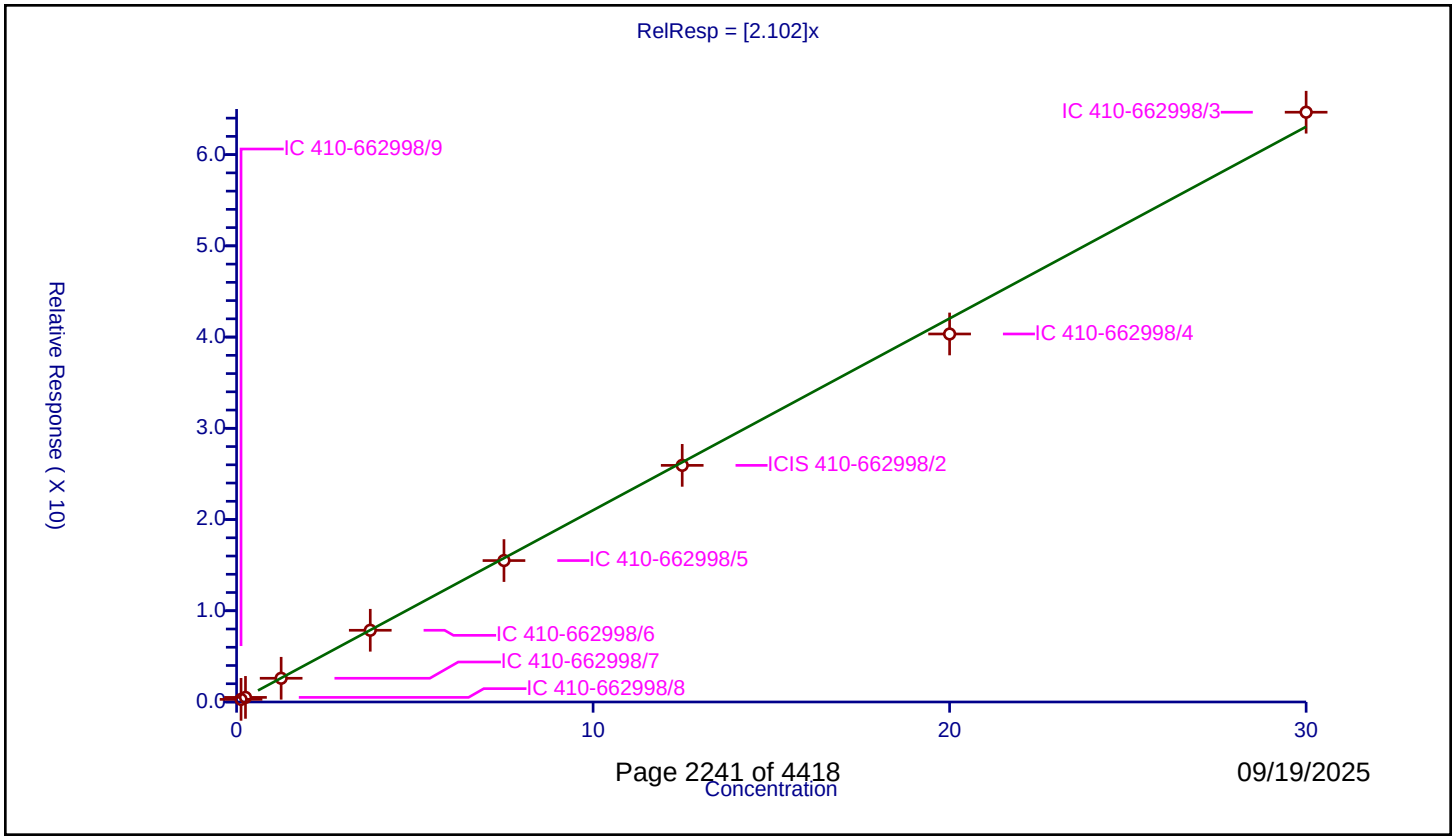
Curve Coefficients

Intercept:	0
Slope:	2.102

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.288914	5.0	164322.0	2.311316	Y
2	IC 410-662998/8	0.25	0.503548	5.0	164155.0	2.014194	Y
3	IC 410-662998/7	1.25	2.599942	5.0	159542.0	2.079954	Y
4	IC 410-662998/6	3.75	7.861829	5.0	167807.0	2.096488	Y
5	IC 410-662998/5	7.5	15.503275	5.0	164274.0	2.067103	Y
6	ICIS 410-662998/2	12.5	25.937807	5.0	182383.0	2.075025	Y
7	IC 410-662998/4	20.0	40.339372	5.0	169357.0	2.016969	Y
8	IC 410-662998/3	30.0	64.648509	5.0	162337.0	2.15495	Y



Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

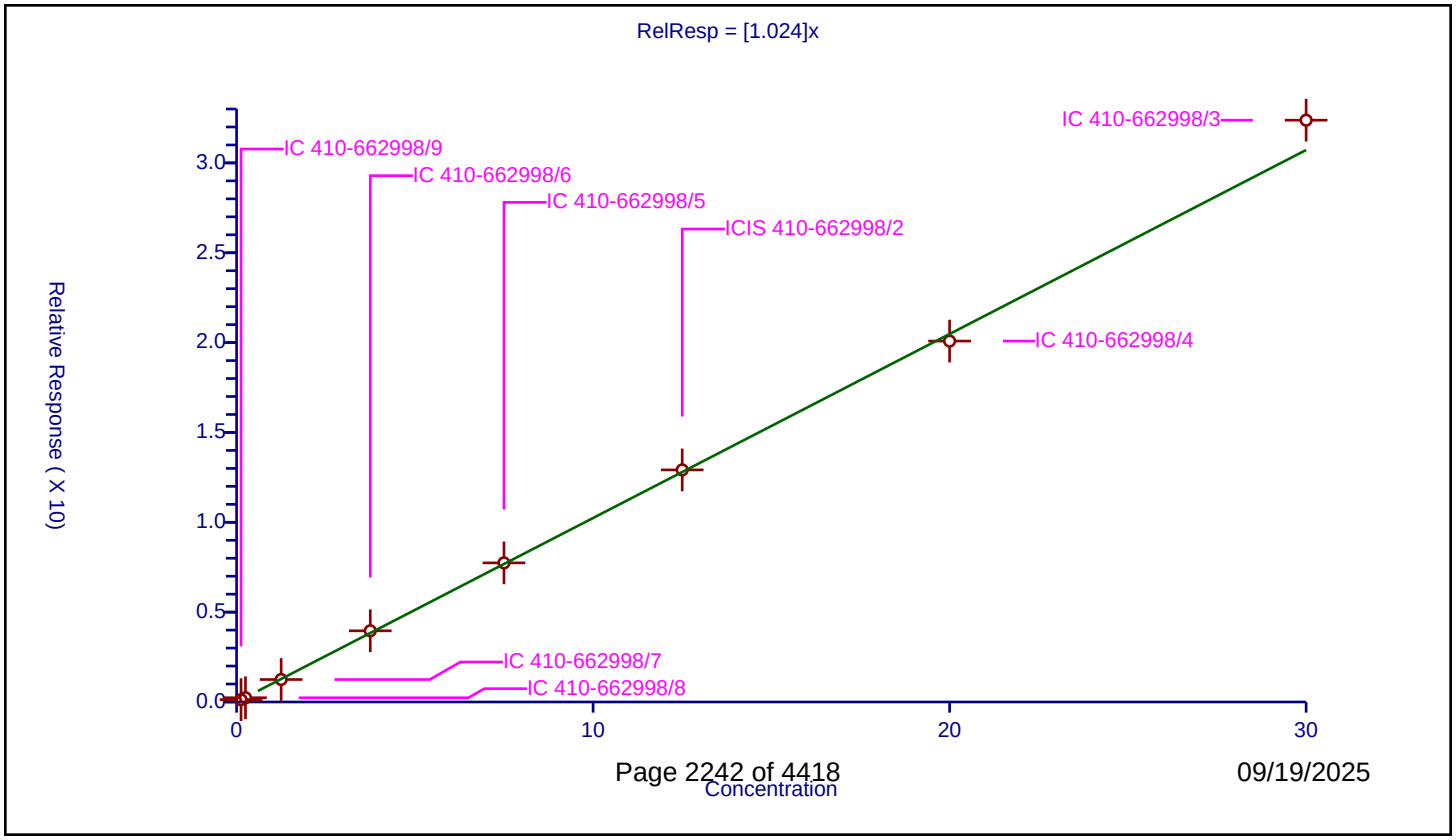
Curve Coefficients

Intercept:	0
Slope:	1.024

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.129897	5.0	164322.0	1.039179	Y
2	IC 410-662998/8	0.25	0.236606	5.0	164155.0	0.946423	Y
3	IC 410-662998/7	1.25	1.250925	5.0	159542.0	1.00074	Y
4	IC 410-662998/6	3.75	3.961754	5.0	167807.0	1.056468	Y
5	IC 410-662998/5	7.5	7.74173	5.0	164274.0	1.032231	Y
6	ICIS 410-662998/2	12.5	12.916637	5.0	182383.0	1.033331	Y
7	IC 410-662998/4	20.0	20.085559	5.0	169357.0	1.004278	Y
8	IC 410-662998/3	30.0	32.377554	5.0	162337.0	1.079252	Y



Calibration / 4-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

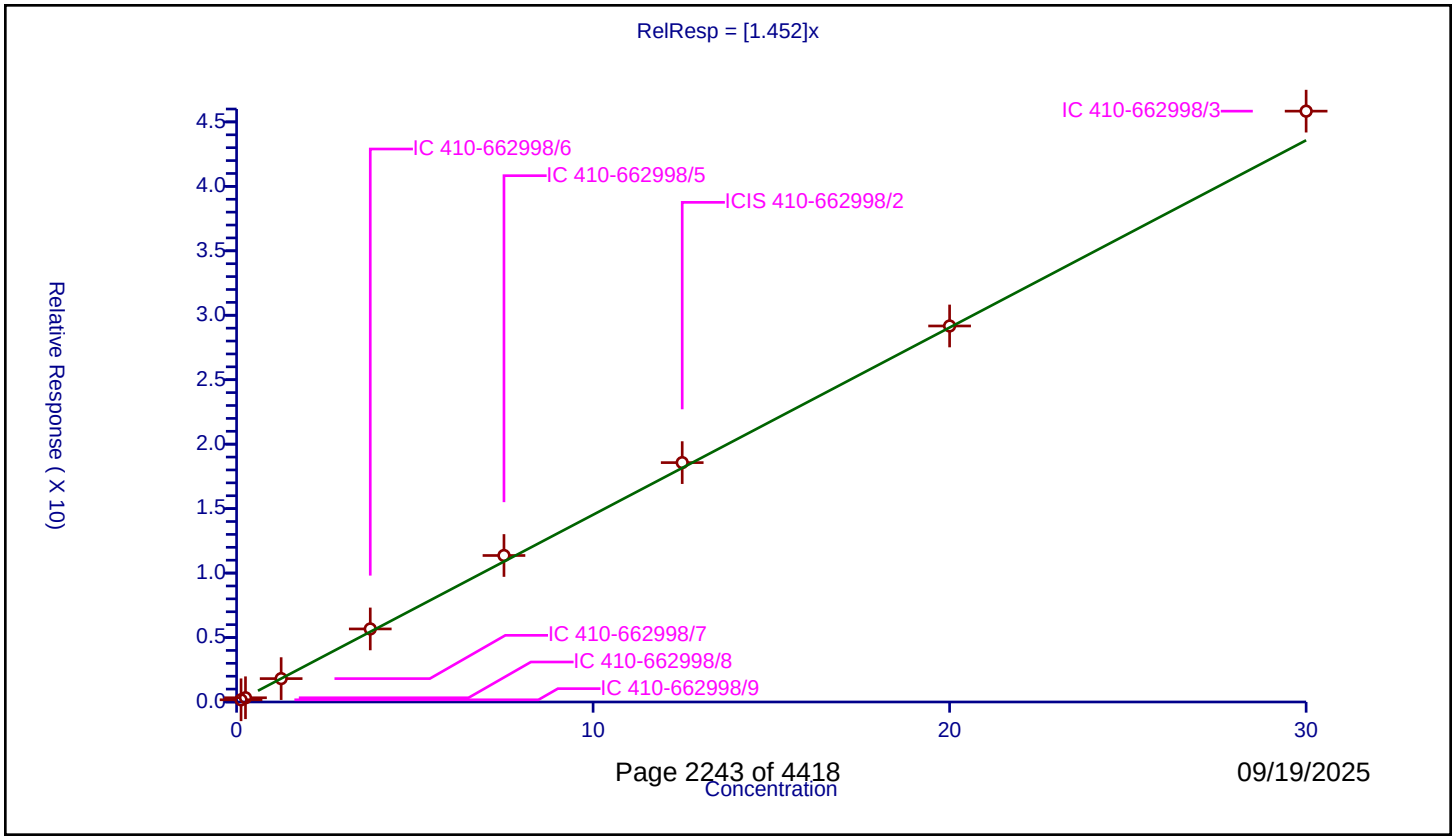
Curve Coefficients

Intercept:	0
Slope:	1.452

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.170245	5.0	164322.0	1.36196	Y
2	IC 410-662998/8	0.25	0.327434	5.0	164155.0	1.309738	Y
3	IC 410-662998/7	1.25	1.812407	5.0	159542.0	1.449925	Y
4	IC 410-662998/6	3.75	5.667791	5.0	167807.0	1.511411	Y
5	IC 410-662998/5	7.5	11.363545	5.0	164274.0	1.515139	Y
6	ICIS 410-662998/2	12.5	18.569302	5.0	182383.0	1.485544	Y
7	IC 410-662998/4	20.0	29.168532	5.0	169357.0	1.458427	Y
8	IC 410-662998/3	30.0	45.833513	5.0	162337.0	1.527784	Y



09/19/2025

Calibration / N-Nitrosomorpholine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

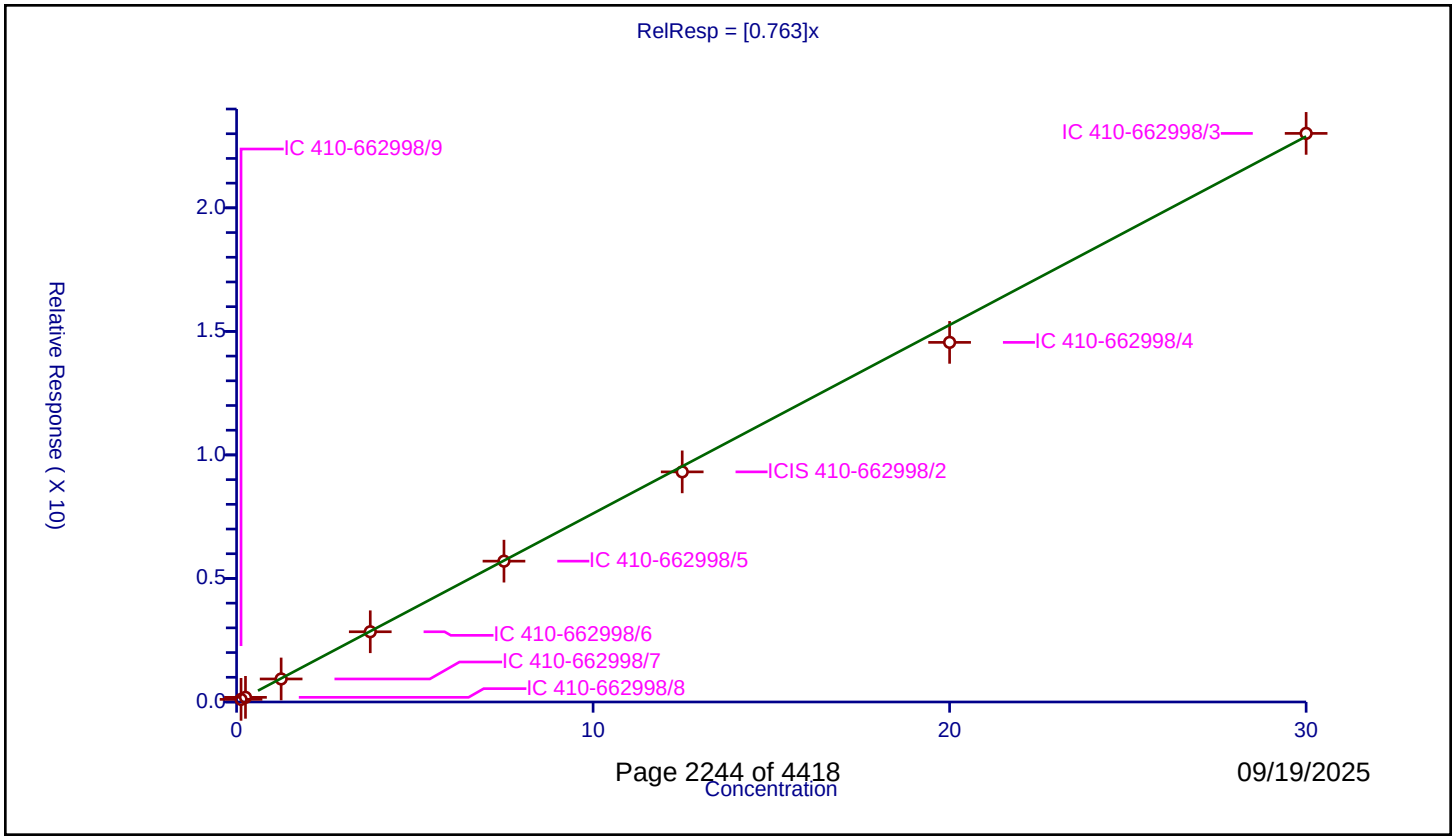
Curve Coefficients

Intercept:	0
Slope:	0.763

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.106072	5.0	164322.0	0.848578	Y
2	IC 410-662998/8	0.25	0.188084	5.0	164155.0	0.752338	Y
3	IC 410-662998/7	1.25	0.931448	5.0	159542.0	0.745158	Y
4	IC 410-662998/6	3.75	2.842492	5.0	167807.0	0.757998	Y
5	IC 410-662998/5	7.5	5.700141	5.0	164274.0	0.760019	Y
6	ICIS 410-662998/2	12.5	9.313889	5.0	182383.0	0.745111	Y
7	IC 410-662998/4	20.0	14.555229	5.0	169357.0	0.727761	Y
8	IC 410-662998/3	30.0	23.013823	5.0	162337.0	0.767127	Y



Calibration / 2-Toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

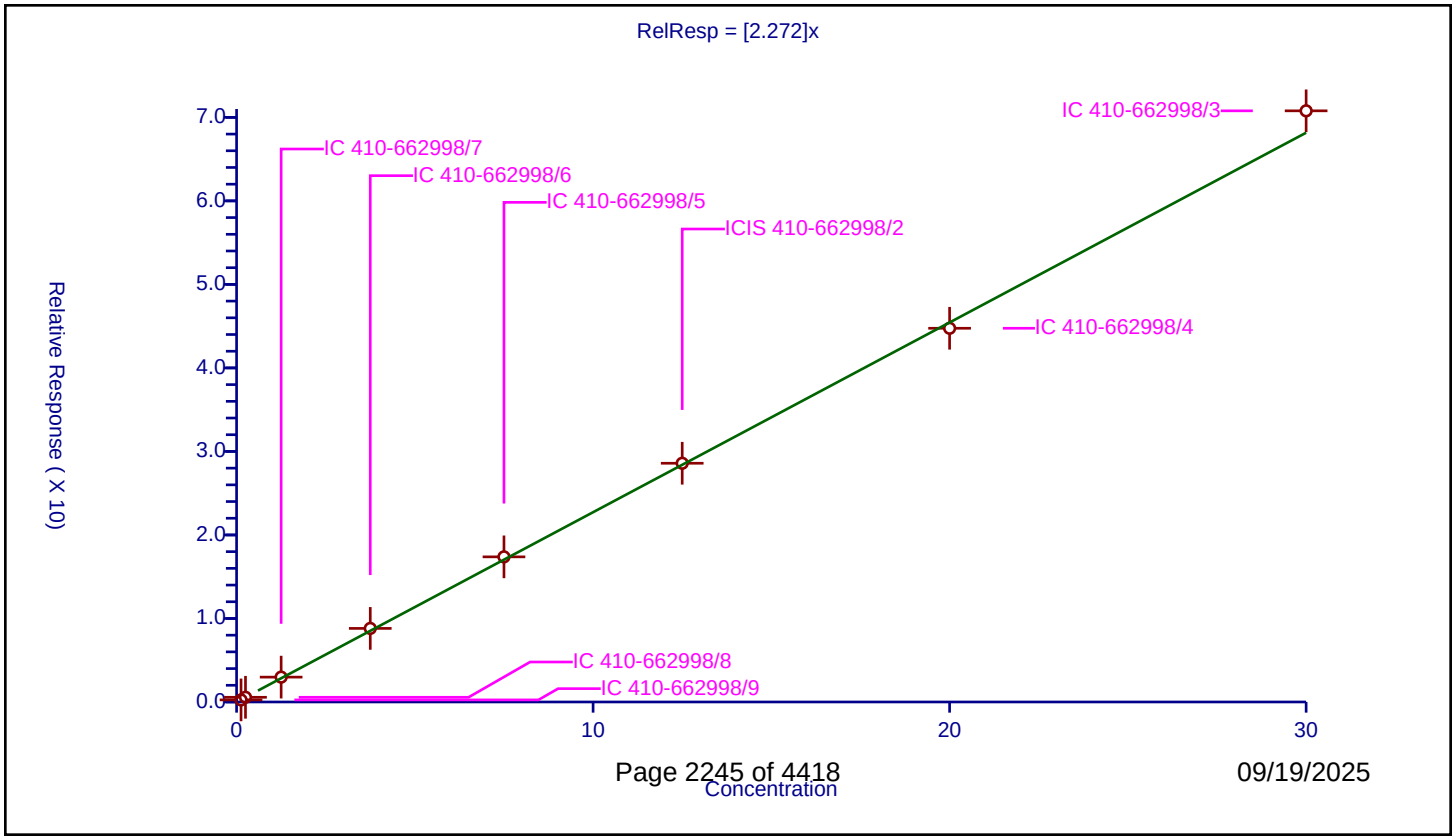
Curve Coefficients

Intercept:	0
Slope:	2.272

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.249054	5.0	164322.0	1.992429	Y
2	IC 410-662998/8	0.25	0.563035	5.0	164155.0	2.25214	Y
3	IC 410-662998/7	1.25	2.97721	5.0	159542.0	2.381768	Y
4	IC 410-662998/6	3.75	8.810687	5.0	167807.0	2.349517	Y
5	IC 410-662998/5	7.5	17.376578	5.0	164274.0	2.316877	Y
6	ICIS 410-662998/2	12.5	28.585312	5.0	182383.0	2.286825	Y
7	IC 410-662998/4	20.0	44.746098	5.0	169357.0	2.237305	Y
8	IC 410-662998/3	30.0	70.782724	5.0	162337.0	2.359424	Y



Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

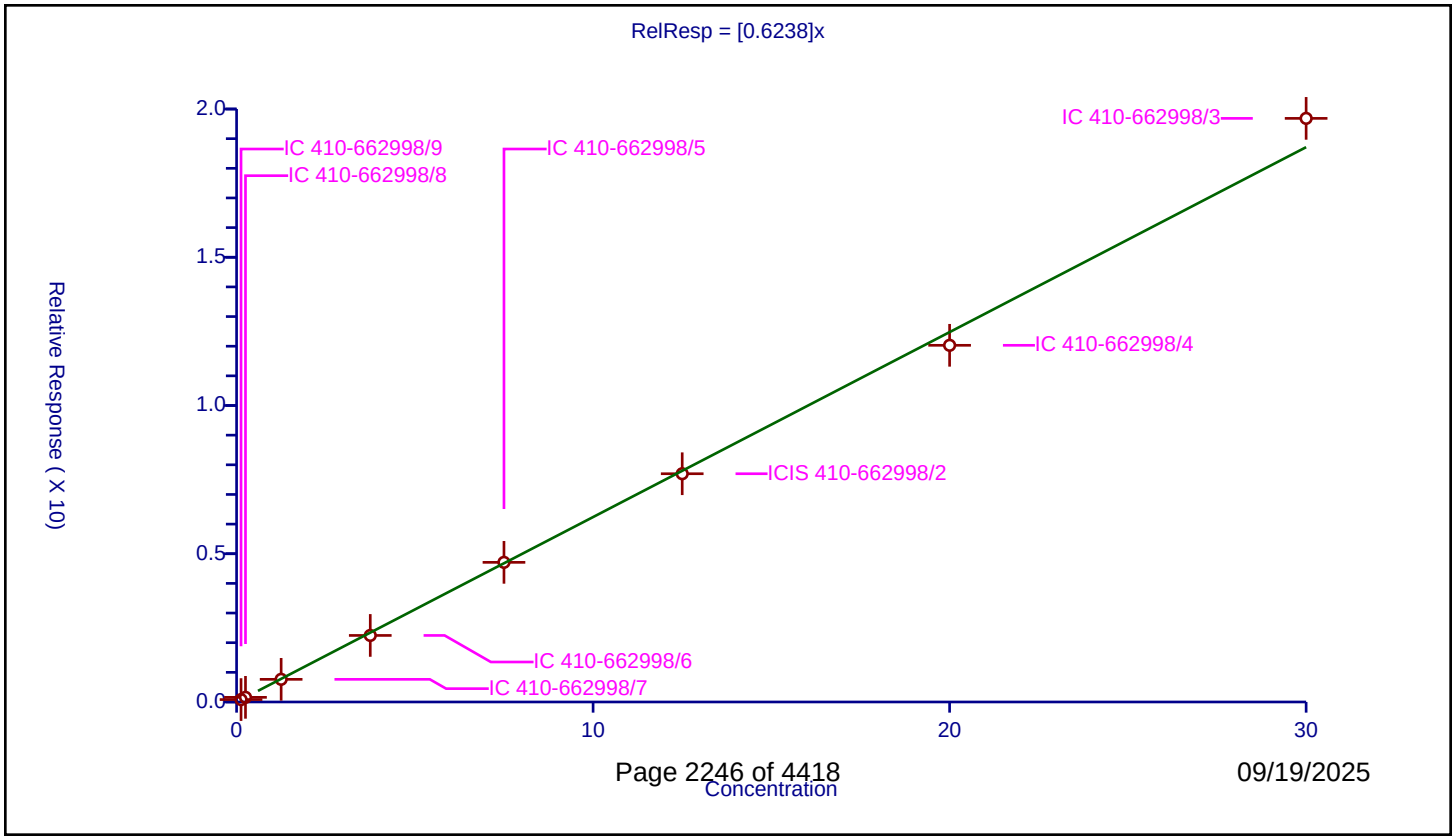
Curve Coefficients

Intercept:	0
Slope:	0.6238

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.081456	5.0	164322.0	0.651647	Y
2	IC 410-662998/8	0.25	0.156773	5.0	164155.0	0.62709	Y
3	IC 410-662998/7	1.25	0.76425	5.0	159542.0	0.6114	Y
4	IC 410-662998/6	3.75	2.244424	5.0	167807.0	0.598513	Y
5	IC 410-662998/5	7.5	4.709662	5.0	164274.0	0.627955	Y
6	ICIS 410-662998/2	12.5	7.69836	5.0	182383.0	0.615869	Y
7	IC 410-662998/4	20.0	12.030622	5.0	169357.0	0.601531	Y
8	IC 410-662998/3	30.0	19.684268	5.0	162337.0	0.656142	Y



Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

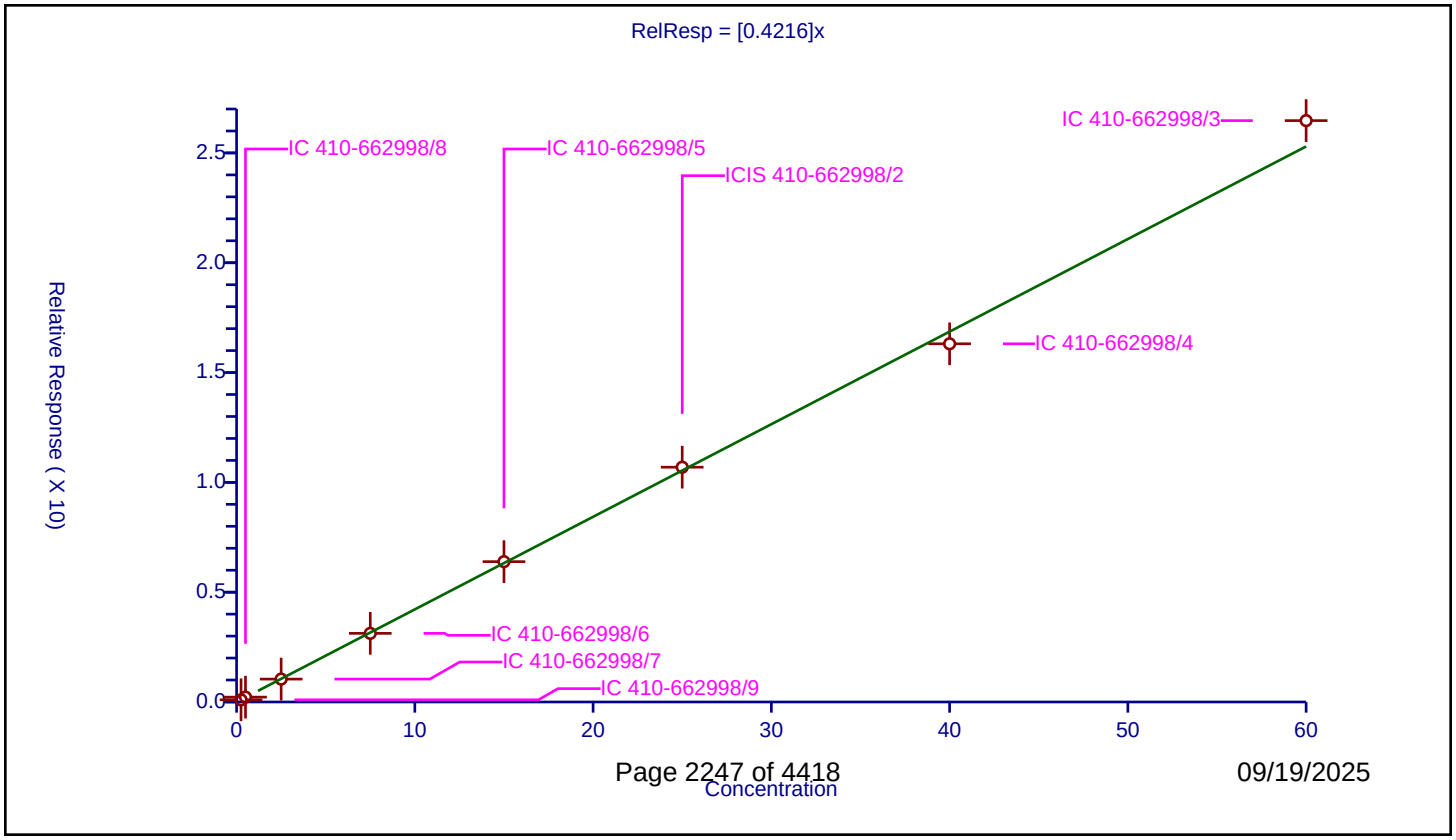
Curve Coefficients

Intercept:	0
Slope:	0.4216

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.25	0.098441	5.0	585122.0	0.393764	Y
2	IC 410-662998/8	0.5	0.221489	5.0	594545.0	0.442977	Y
3	IC 410-662998/7	2.5	1.042035	5.0	572121.0	0.416814	Y
4	IC 410-662998/6	7.5	3.124231	5.0	622502.0	0.416564	Y
5	IC 410-662998/5	15.0	6.389499	5.0	591465.0	0.425967	Y
6	ICIS 410-662998/2	25.0	10.690828	5.0	653513.0	0.427633	Y
7	IC 410-662998/4	40.0	16.310137	5.0	618298.0	0.407753	Y
8	IC 410-662998/3	60.0	26.471557	5.0	580674.0	0.441193	Y



Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

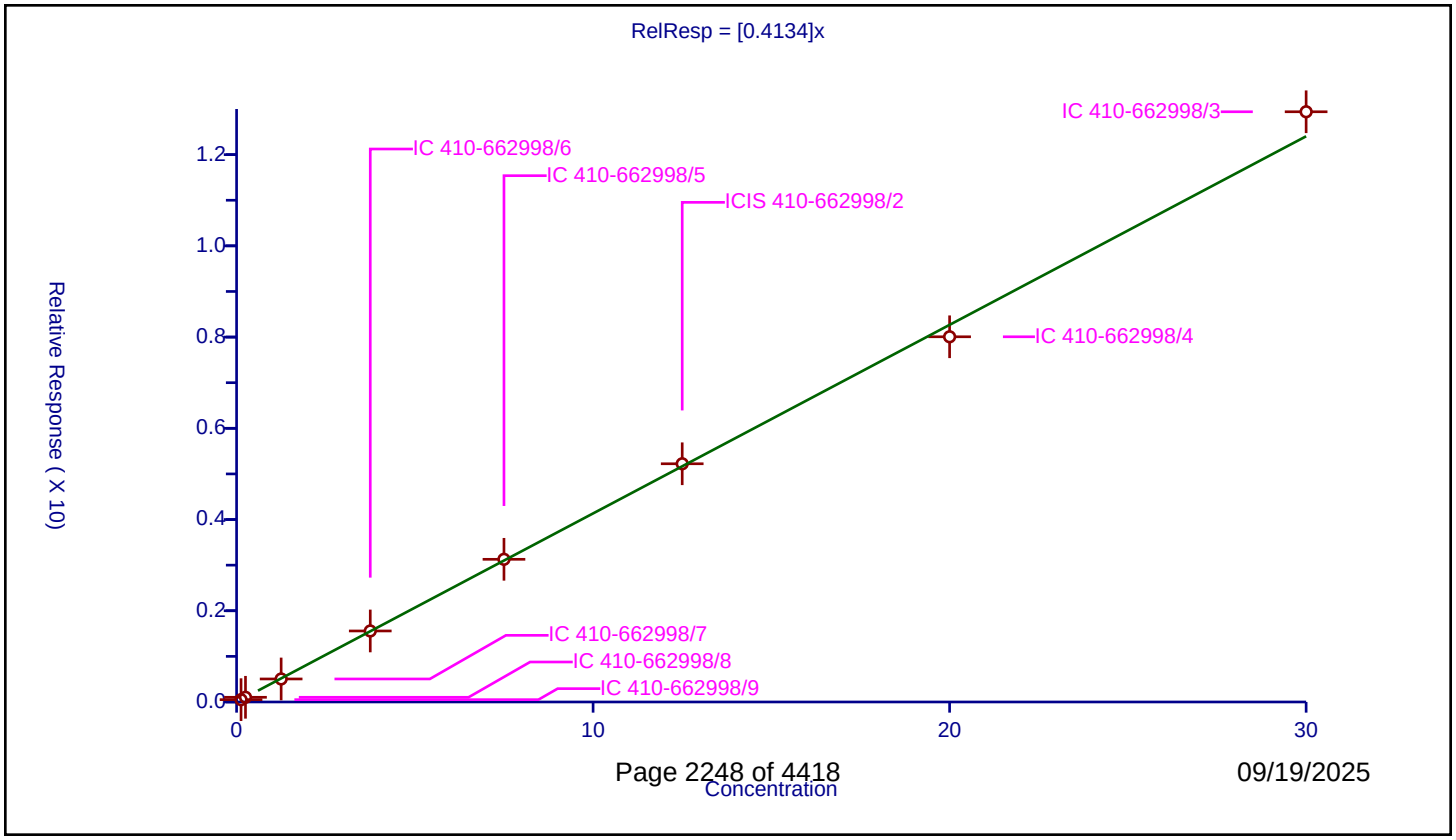
Curve Coefficients

Intercept:	0
Slope:	0.4134

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.051143	5.0	585122.0	0.409145	Y
2	IC 410-662998/8	0.25	0.103163	5.0	594545.0	0.412652	Y
3	IC 410-662998/7	1.25	0.504526	5.0	572121.0	0.403621	Y
4	IC 410-662998/6	3.75	1.557039	5.0	622502.0	0.41521	Y
5	IC 410-662998/5	7.5	3.1283	5.0	591465.0	0.417107	Y
6	ICIS 410-662998/2	12.5	5.222696	5.0	653513.0	0.417816	Y
7	IC 410-662998/4	20.0	8.006657	5.0	618298.0	0.400333	Y
8	IC 410-662998/3	30.0	12.939773	5.0	580674.0	0.431326	Y



09/19/2025

Calibration / N-Nitrosopiperidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

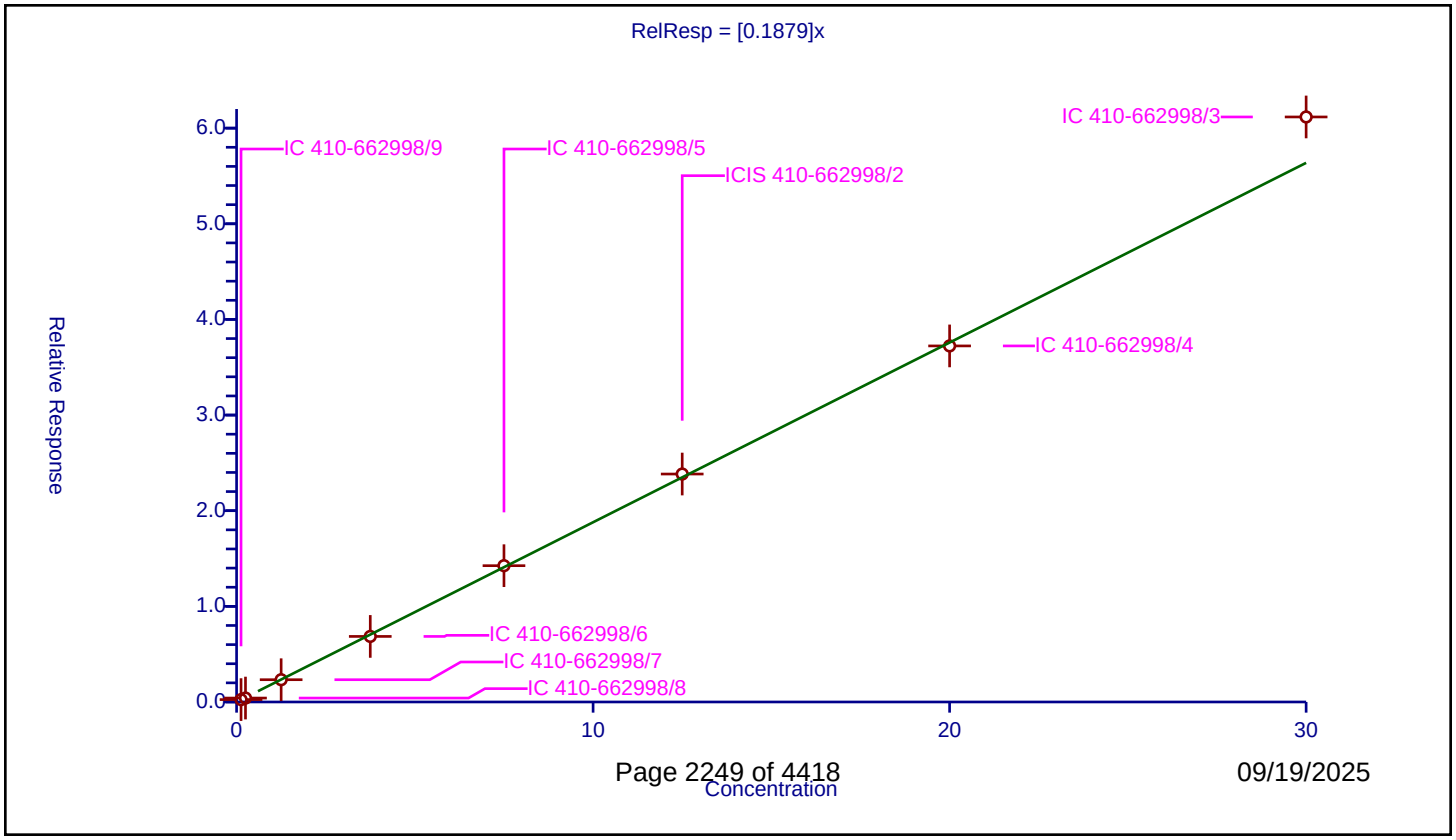
Curve Coefficients

Intercept:	0
Slope:	0.1879

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.024858	5.0	585122.0	0.198865	Y
2	IC 410-662998/8	0.25	0.041141	5.0	594545.0	0.164563	Y
3	IC 410-662998/7	1.25	0.232835	5.0	572121.0	0.186268	Y
4	IC 410-662998/6	3.75	0.685484	5.0	622502.0	0.182796	Y
5	IC 410-662998/5	7.5	1.425148	5.0	591465.0	0.19002	Y
6	ICIS 410-662998/2	12.5	2.383457	5.0	653513.0	0.190677	Y
7	IC 410-662998/4	20.0	3.723051	5.0	618298.0	0.186153	Y
8	IC 410-662998/3	30.0	6.1169	5.0	580674.0	0.203897	Y



Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

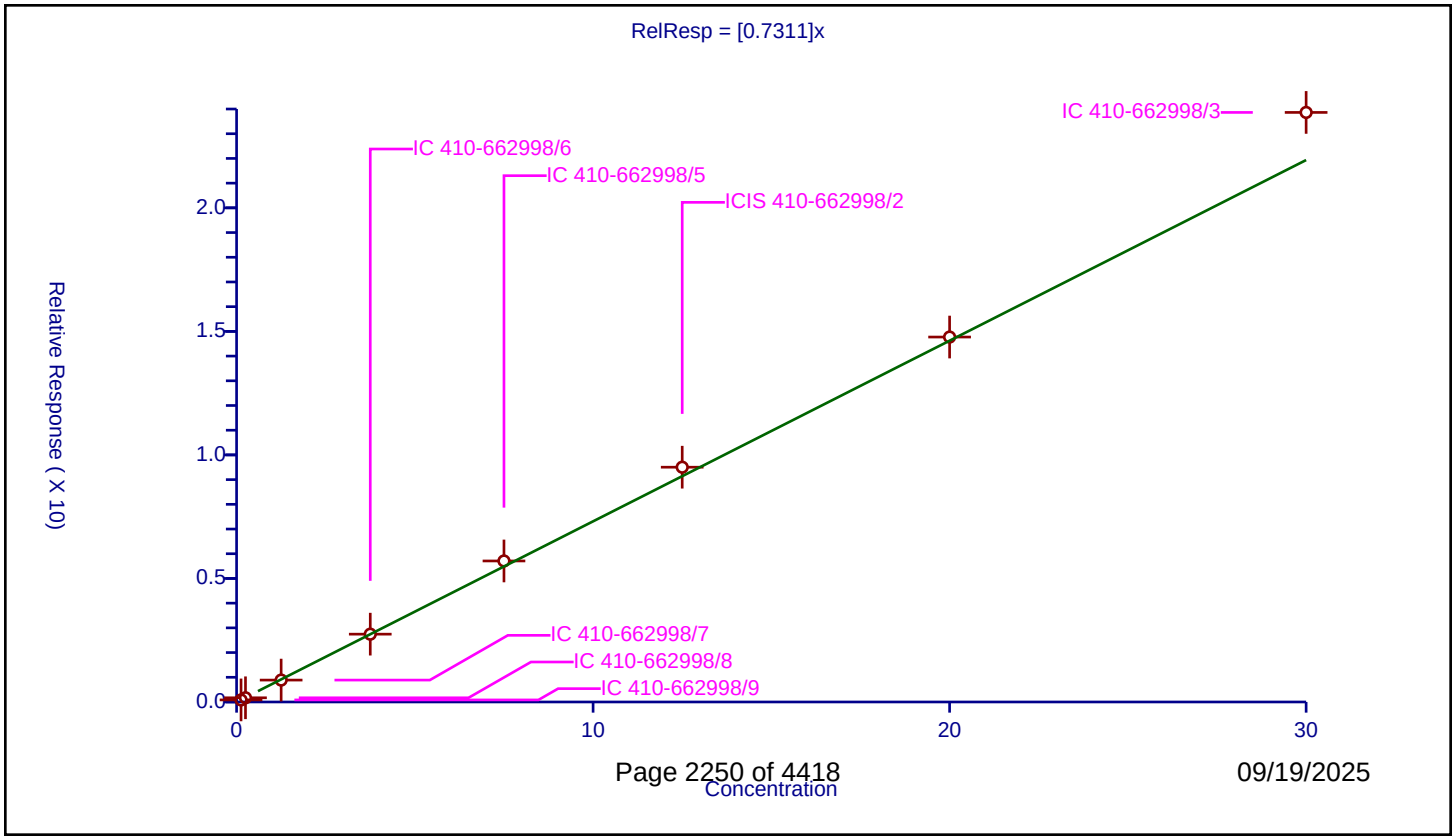
Curve Coefficients

Intercept:	0
Slope:	0.7311

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.084076	5.0	585122.0	0.672612	Y
2	IC 410-662998/8	0.25	0.169953	5.0	594545.0	0.679814	Y
3	IC 410-662998/7	1.25	0.886954	5.0	572121.0	0.709563	Y
4	IC 410-662998/6	3.75	2.744843	5.0	622502.0	0.731958	Y
5	IC 410-662998/5	7.5	5.70792	5.0	591465.0	0.761056	Y
6	ICIS 410-662998/2	12.5	9.50255	5.0	653513.0	0.760204	Y
7	IC 410-662998/4	20.0	14.771146	5.0	618298.0	0.738557	Y
8	IC 410-662998/3	30.0	23.861349	5.0	580674.0	0.795378	Y



09/19/2025

Calibration / 2-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

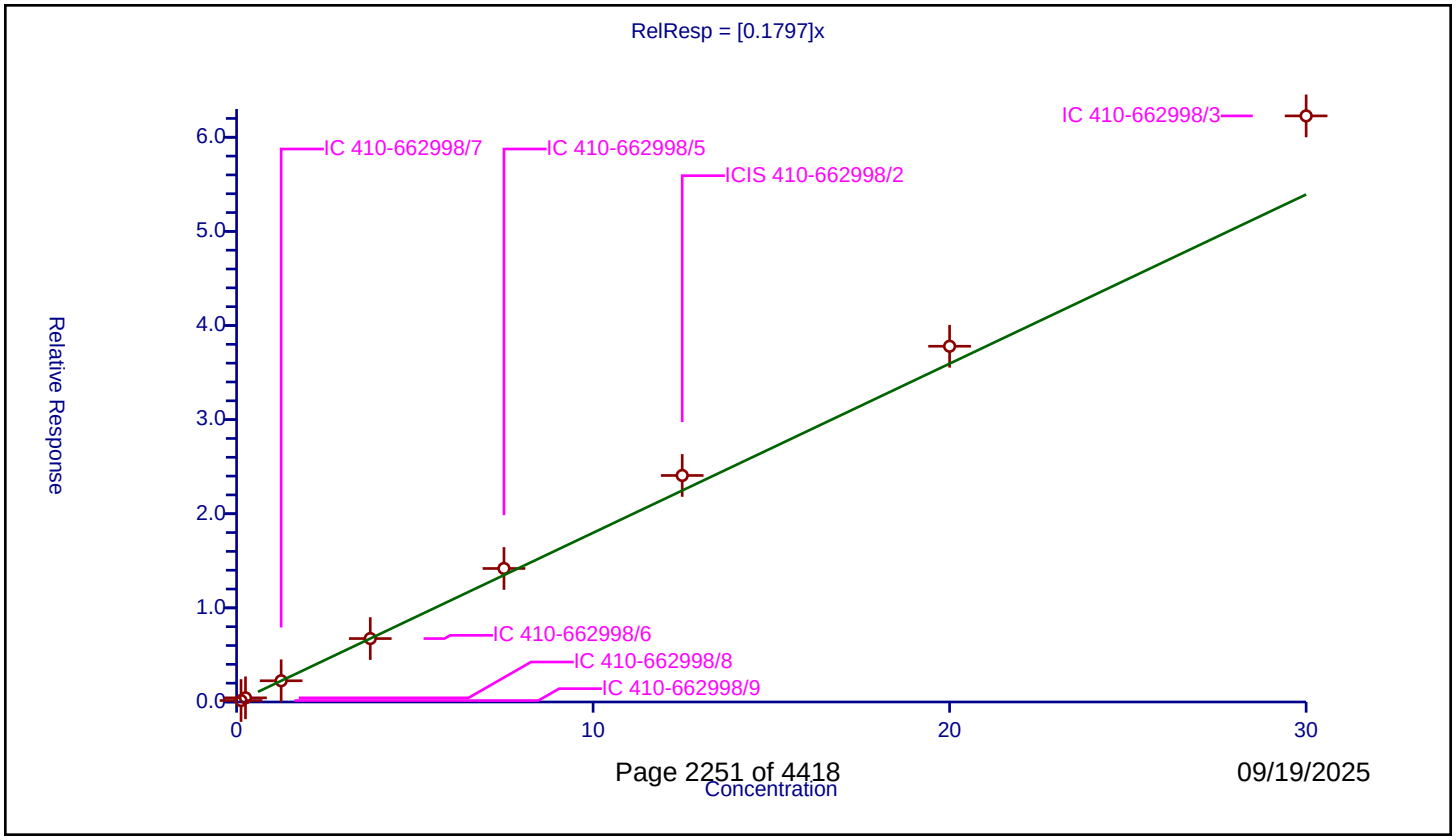
Curve Coefficients

Intercept:	0
Slope:	0.1797

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.015416	5.0	585122.0	0.123325	Y
2	IC 410-662998/8	0.25	0.044076	5.0	594545.0	0.176303	Y
3	IC 410-662998/7	1.25	0.225416	5.0	572121.0	0.180332	Y
4	IC 410-662998/6	3.75	0.673934	5.0	622502.0	0.179716	Y
5	IC 410-662998/5	7.5	1.418452	5.0	591465.0	0.189127	Y
6	ICIS 410-662998/2	12.5	2.406723	5.0	653513.0	0.192538	Y
7	IC 410-662998/4	20.0	3.77969	5.0	618298.0	0.188985	Y
8	IC 410-662998/3	30.0	6.227022	5.0	580674.0	0.207567	Y



09/19/2025

Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

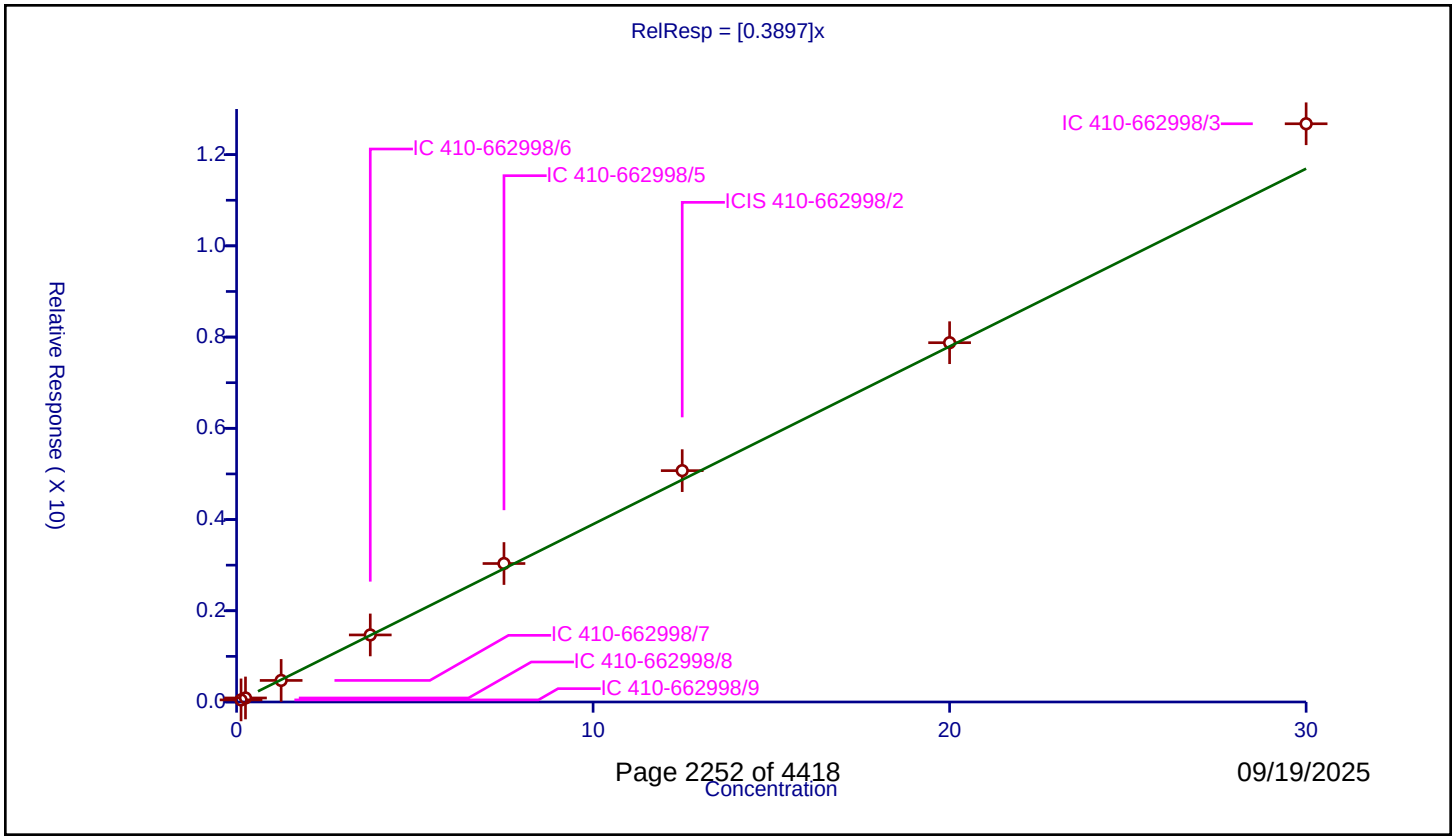
Curve Coefficients

Intercept:	0
Slope:	0.3897

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.046033	5.0	585122.0	0.368265	Y
2	IC 410-662998/8	0.25	0.08821	5.0	594545.0	0.352841	Y
3	IC 410-662998/7	1.25	0.472479	5.0	572121.0	0.377983	Y
4	IC 410-662998/6	3.75	1.470052	5.0	622502.0	0.392014	Y
5	IC 410-662998/5	7.5	3.035699	5.0	591465.0	0.40476	Y
6	ICIS 410-662998/2	12.5	5.071659	5.0	653513.0	0.405733	Y
7	IC 410-662998/4	20.0	7.876655	5.0	618298.0	0.393833	Y
8	IC 410-662998/3	30.0	12.676683	5.0	580674.0	0.422556	Y



09/19/2025

Calibration / o,o',o''-Triethylphosphorothioate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

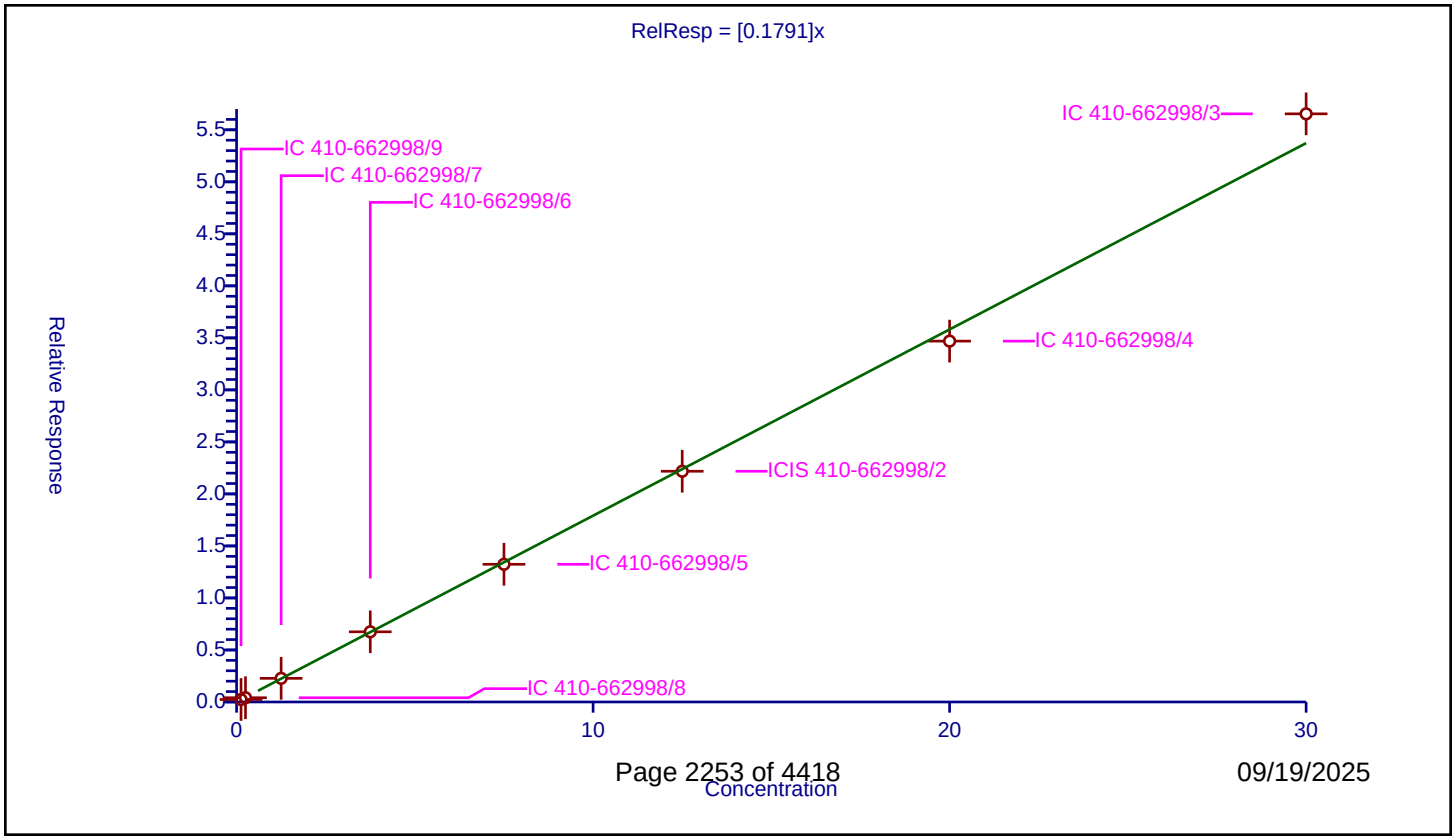
Curve Coefficients

Intercept:	0
Slope:	0.1791

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.023901	5.0	585122.0	0.191208	Y
2	IC 410-662998/8	0.25	0.040947	5.0	594545.0	0.163789	Y
3	IC 410-662998/7	1.25	0.227277	5.0	572121.0	0.181822	Y
4	IC 410-662998/6	3.75	0.67452	5.0	622502.0	0.179872	Y
5	IC 410-662998/5	7.5	1.323705	5.0	591465.0	0.176494	Y
6	ICIS 410-662998/2	12.5	2.217913	5.0	653513.0	0.177433	Y
7	IC 410-662998/4	20.0	3.468958	5.0	618298.0	0.173448	Y
8	IC 410-662998/3	30.0	5.653706	5.0	580674.0	0.188457	Y



Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

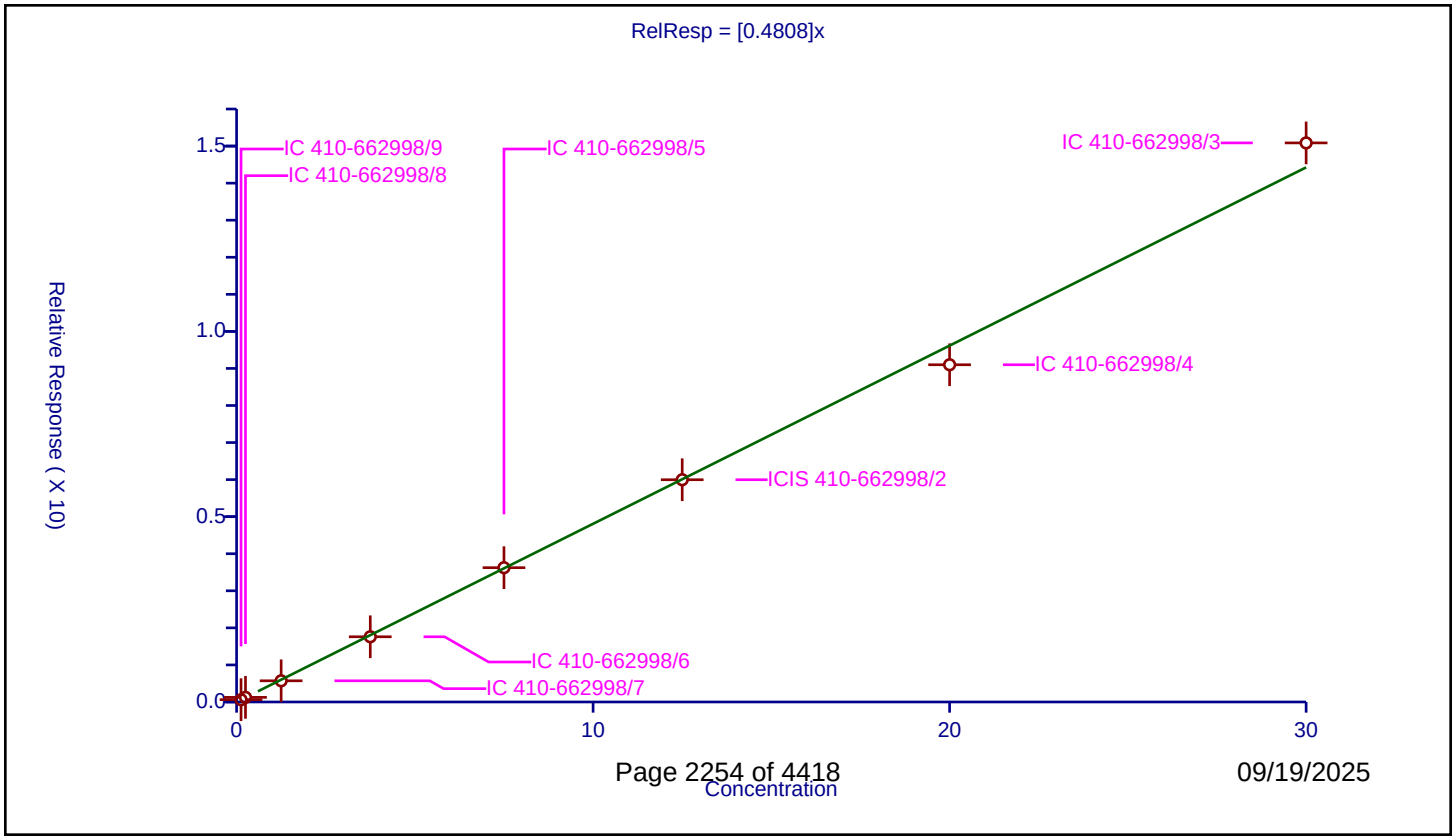
Curve Coefficients

Intercept:	0
Slope:	0.4808

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.062329	5.0	585122.0	0.498631	Y
2	IC 410-662998/8	0.25	0.125188	5.0	594545.0	0.500753	Y
3	IC 410-662998/7	1.25	0.571383	5.0	572121.0	0.457106	Y
4	IC 410-662998/6	3.75	1.759898	5.0	622502.0	0.469306	Y
5	IC 410-662998/5	7.5	3.623672	5.0	591465.0	0.483156	Y
6	ICIS 410-662998/2	12.5	5.996966	5.0	653513.0	0.479757	Y
7	IC 410-662998/4	20.0	9.099617	5.0	618298.0	0.454981	Y
8	IC 410-662998/3	30.0	15.085478	5.0	580674.0	0.502849	Y



Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

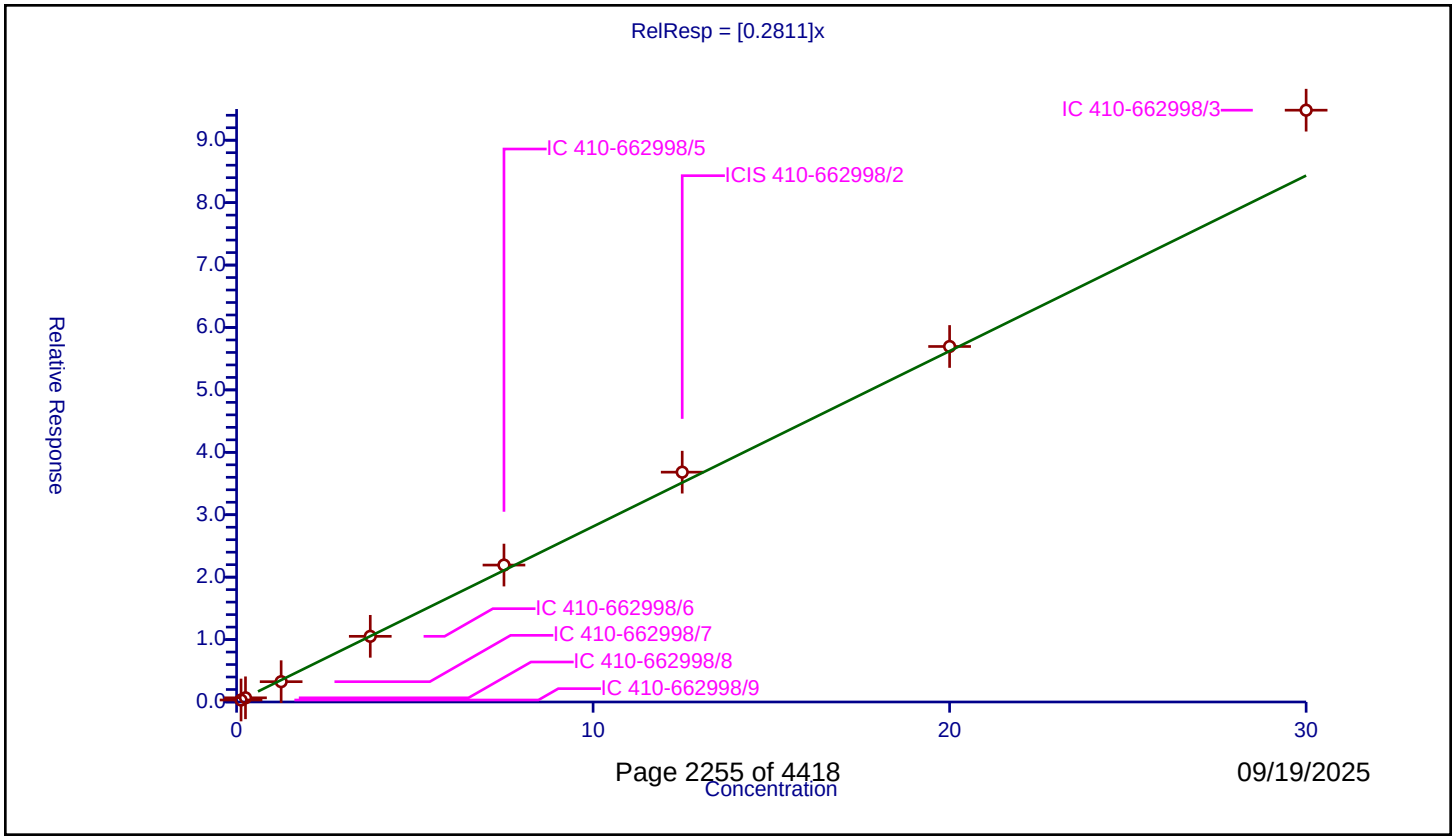
Curve Coefficients

Intercept:	0
Slope:	0.2811

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.031617	5.0	585122.0	0.252939	Y
2	IC 410-662998/8	0.25	0.066849	5.0	594545.0	0.267398	Y
3	IC 410-662998/7	1.25	0.325386	5.0	572121.0	0.260309	Y
4	IC 410-662998/6	3.75	1.051932	5.0	622502.0	0.280515	Y
5	IC 410-662998/5	7.5	2.193536	5.0	591465.0	0.292472	Y
6	ICIS 410-662998/2	12.5	3.682	5.0	653513.0	0.29456	Y
7	IC 410-662998/4	20.0	5.69536	5.0	618298.0	0.284768	Y
8	IC 410-662998/3	30.0	9.481025	5.0	580674.0	0.316034	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

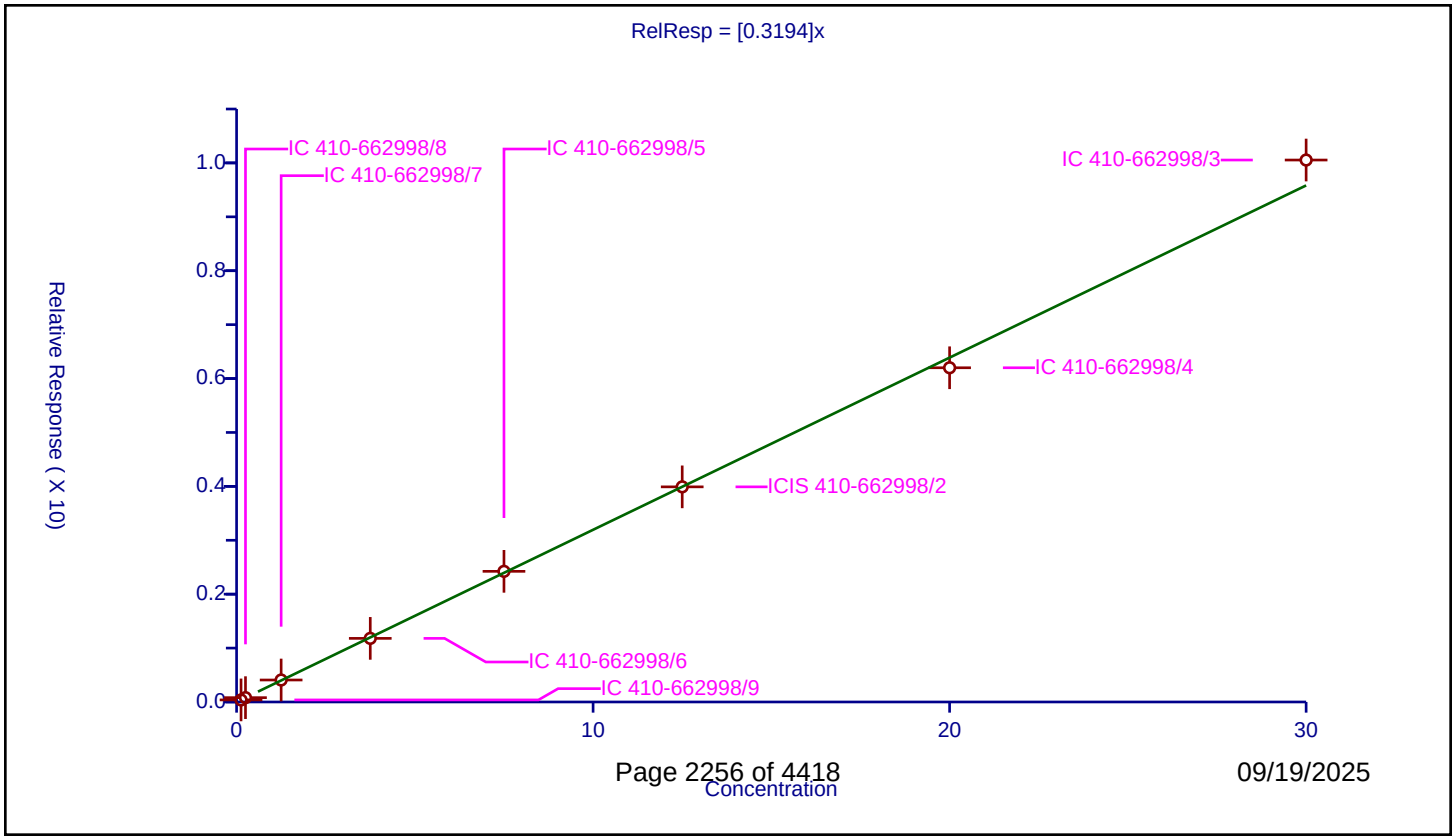
Curve Coefficients

Intercept:	0
Slope:	0.3194

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.03812	5.0	585122.0	0.304962	Y
2	IC 410-662998/8	0.25	0.080406	5.0	594545.0	0.321624	Y
3	IC 410-662998/7	1.25	0.408087	5.0	572121.0	0.326469	Y
4	IC 410-662998/6	3.75	1.180044	5.0	622502.0	0.314679	Y
5	IC 410-662998/5	7.5	2.423635	5.0	591465.0	0.323151	Y
6	ICIS 410-662998/2	12.5	3.990747	5.0	653513.0	0.31926	Y
7	IC 410-662998/4	20.0	6.200335	5.0	618298.0	0.310017	Y
8	IC 410-662998/3	30.0	10.053593	5.0	580674.0	0.33512	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

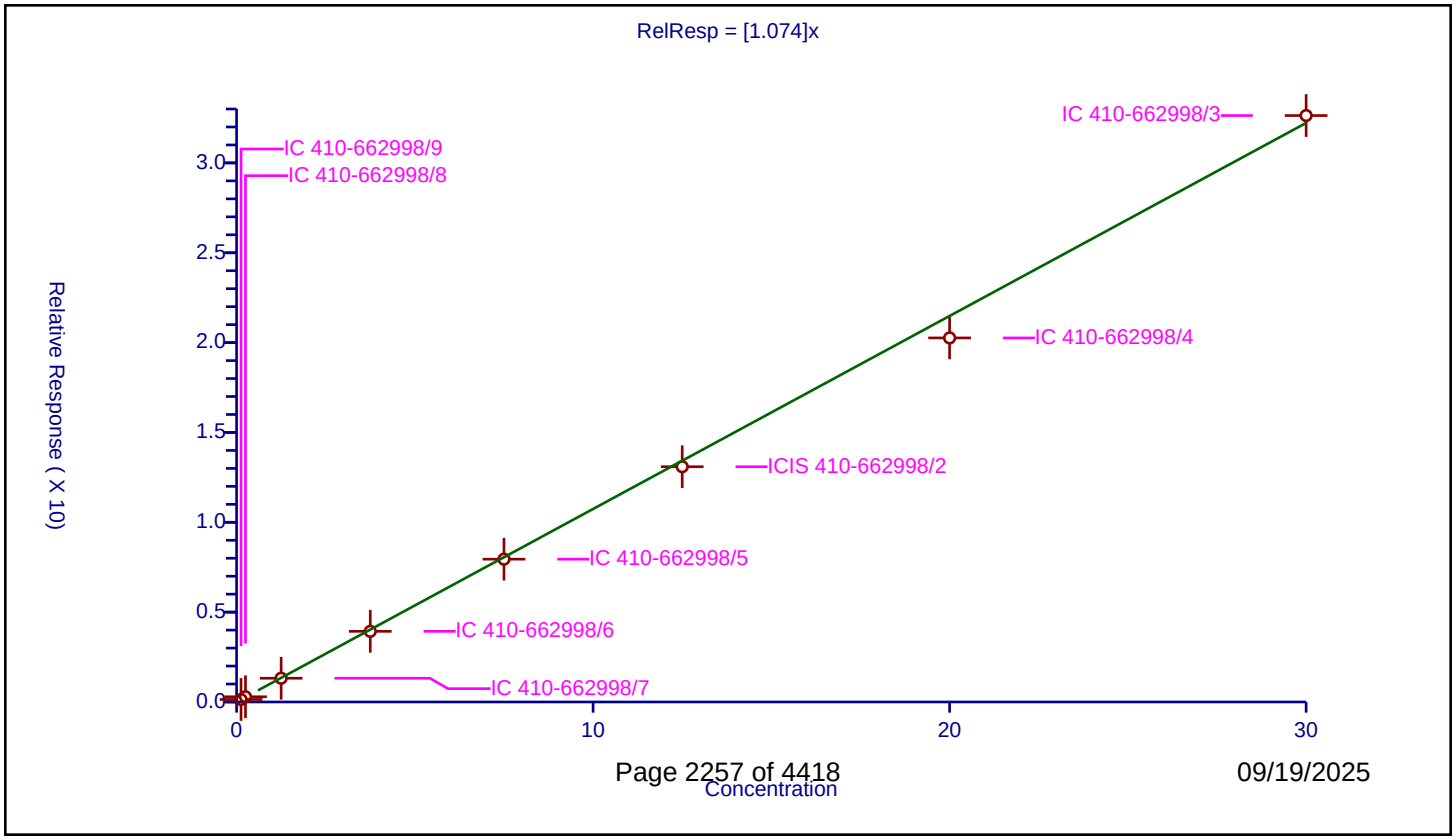
Curve Coefficients

Intercept:	0
Slope:	1.074

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.139851	5.0	585122.0	1.118809	Y
2	IC 410-662998/8	0.25	0.290129	5.0	594545.0	1.160518	Y
3	IC 410-662998/7	1.25	1.321801	5.0	572121.0	1.057441	Y
4	IC 410-662998/6	3.75	3.931754	5.0	622502.0	1.048468	Y
5	IC 410-662998/5	7.5	7.94741	5.0	591465.0	1.059655	Y
6	ICIS 410-662998/2	12.5	13.093519	5.0	653513.0	1.047482	Y
7	IC 410-662998/4	20.0	20.260853	5.0	618298.0	1.013043	Y
8	IC 410-662998/3	30.0	32.636324	5.0	580674.0	1.087877	Y



09/19/2025

Calibration / Alpha-Terpineol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

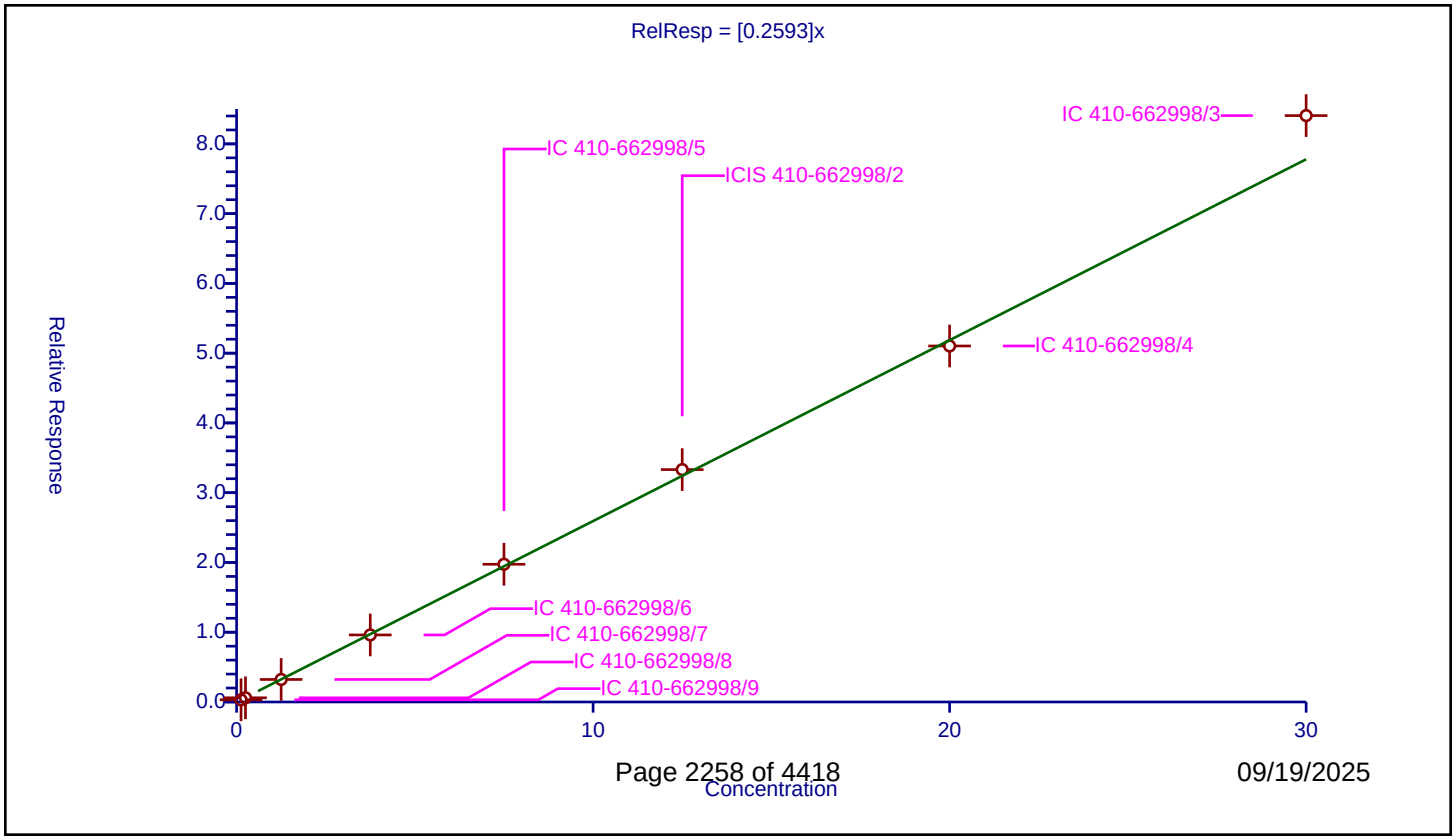
Curve Coefficients

Intercept:	0
Slope:	0.2593

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.031711	5.0	585122.0	0.253691	Y
2	IC 410-662998/8	0.25	0.060281	5.0	594545.0	0.241126	Y
3	IC 410-662998/7	1.25	0.322781	5.0	572121.0	0.258225	Y
4	IC 410-662998/6	3.75	0.961089	5.0	622502.0	0.25629	Y
5	IC 410-662998/5	7.5	1.974217	5.0	591465.0	0.263229	Y
6	ICIS 410-662998/2	12.5	3.331143	5.0	653513.0	0.266491	Y
7	IC 410-662998/4	20.0	5.103267	5.0	618298.0	0.255163	Y
8	IC 410-662998/3	30.0	8.405482	5.0	580674.0	0.280183	Y



09/19/2025

Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

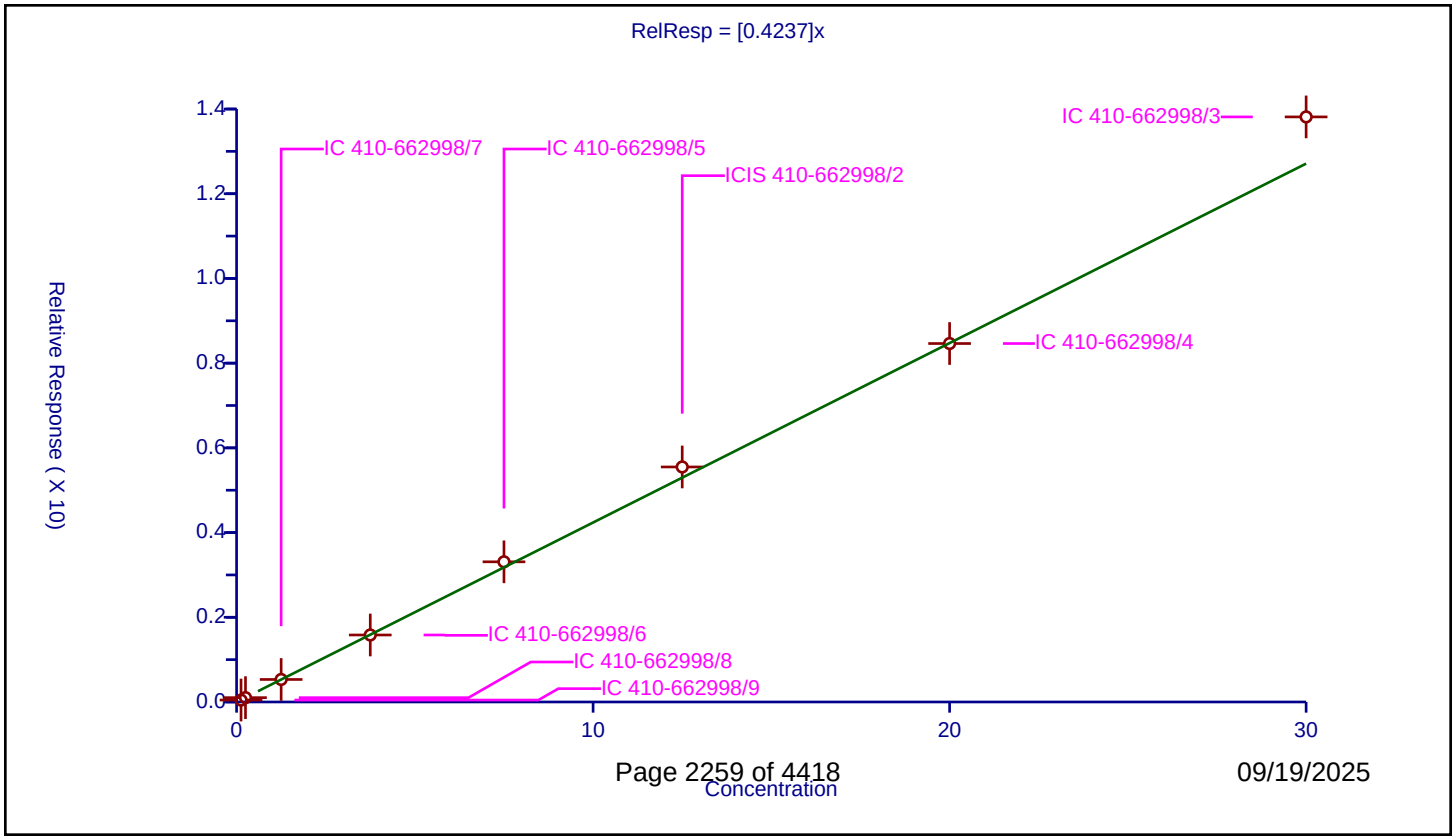
Curve Coefficients

Intercept:	0
Slope:	0.4237

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.045452	5.0	585122.0	0.363616	Y
2	IC 410-662998/8	0.25	0.102448	5.0	594545.0	0.409792	Y
3	IC 410-662998/7	1.25	0.531933	5.0	572121.0	0.425546	Y
4	IC 410-662998/6	3.75	1.58173	5.0	622502.0	0.421795	Y
5	IC 410-662998/5	7.5	3.309672	5.0	591465.0	0.44129	Y
6	ICIS 410-662998/2	12.5	5.548658	5.0	653513.0	0.443893	Y
7	IC 410-662998/4	20.0	8.463419	5.0	618298.0	0.423171	Y
8	IC 410-662998/3	30.0	13.813844	5.0	580674.0	0.460461	Y



Calibration / 2,6-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

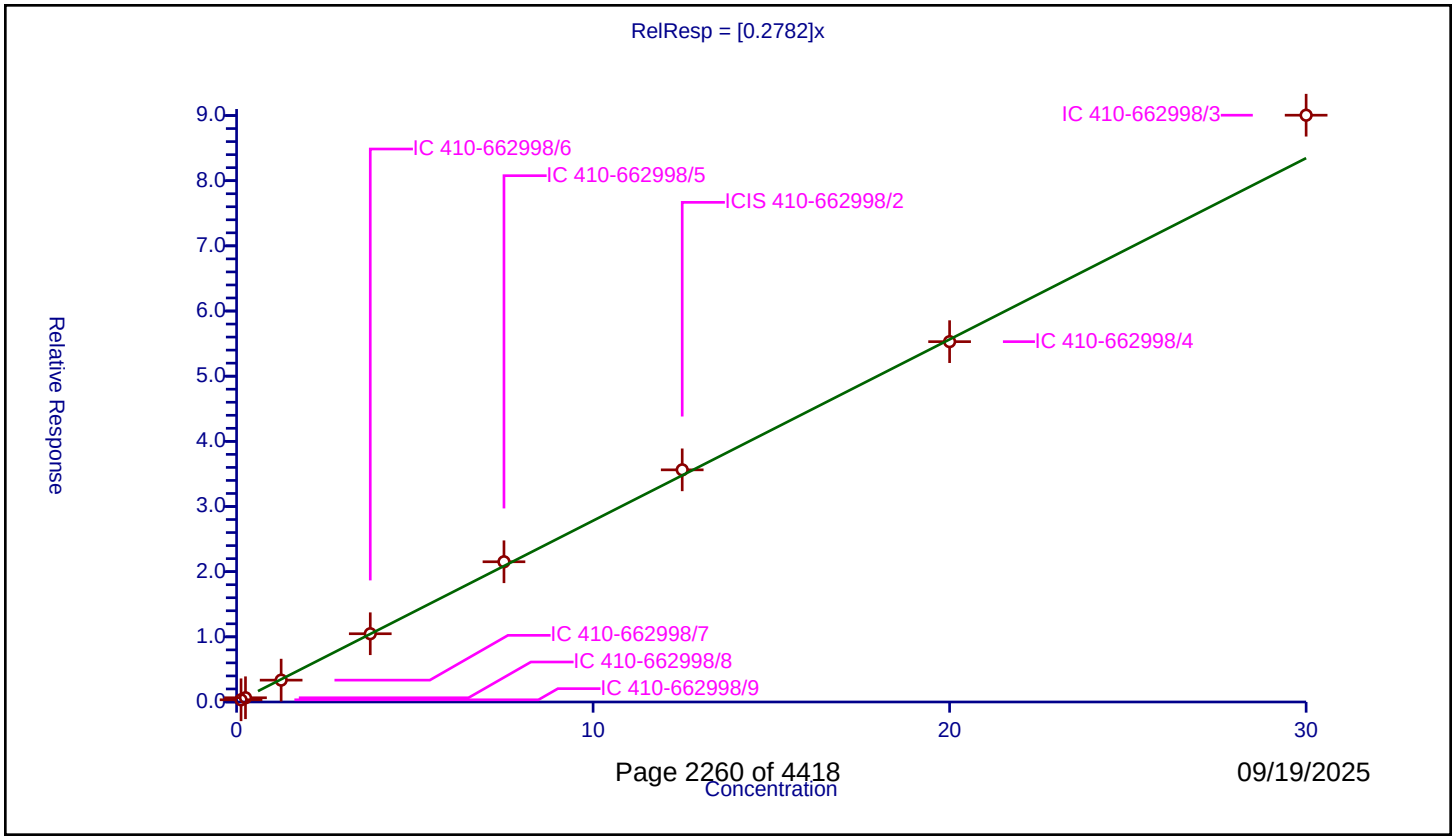
Curve Coefficients

Intercept:	0
Slope:	0.2782

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.033737	5.0	585122.0	0.269892	Y
2	IC 410-662998/8	0.25	0.06489	5.0	594545.0	0.25956	Y
3	IC 410-662998/7	1.25	0.335375	5.0	572121.0	0.2683	Y
4	IC 410-662998/6	3.75	1.047515	5.0	622502.0	0.279337	Y
5	IC 410-662998/5	7.5	2.152029	5.0	591465.0	0.286937	Y
6	ICIS 410-662998/2	12.5	3.562561	5.0	653513.0	0.285005	Y
7	IC 410-662998/4	20.0	5.529817	5.0	618298.0	0.276491	Y
8	IC 410-662998/3	30.0	9.005061	5.0	580674.0	0.300169	Y



Calibration / Hexachloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

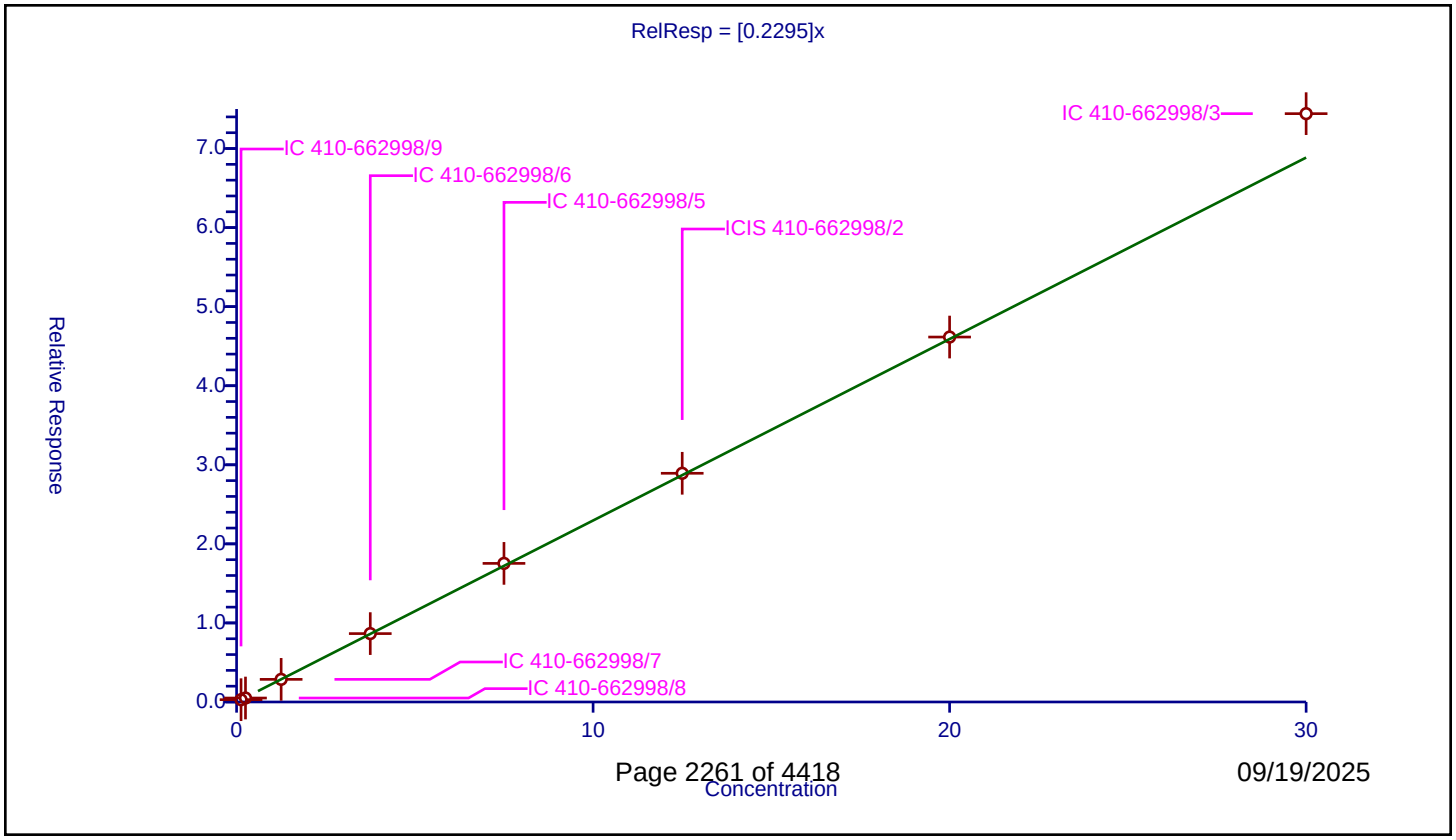
Curve Coefficients

Intercept:	0
Slope:	0.2295

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.029079	5.0	585122.0	0.232635	Y
2	IC 410-662998/8	0.25	0.050021	5.0	594545.0	0.200086	Y
3	IC 410-662998/7	1.25	0.286085	5.0	572121.0	0.228868	Y
4	IC 410-662998/6	3.75	0.864913	5.0	622502.0	0.230643	Y
5	IC 410-662998/5	7.5	1.753155	5.0	591465.0	0.233754	Y
6	ICIS 410-662998/2	12.5	2.89272	5.0	653513.0	0.231418	Y
7	IC 410-662998/4	20.0	4.6158	5.0	618298.0	0.23079	Y
8	IC 410-662998/3	30.0	7.441378	5.0	580674.0	0.248046	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

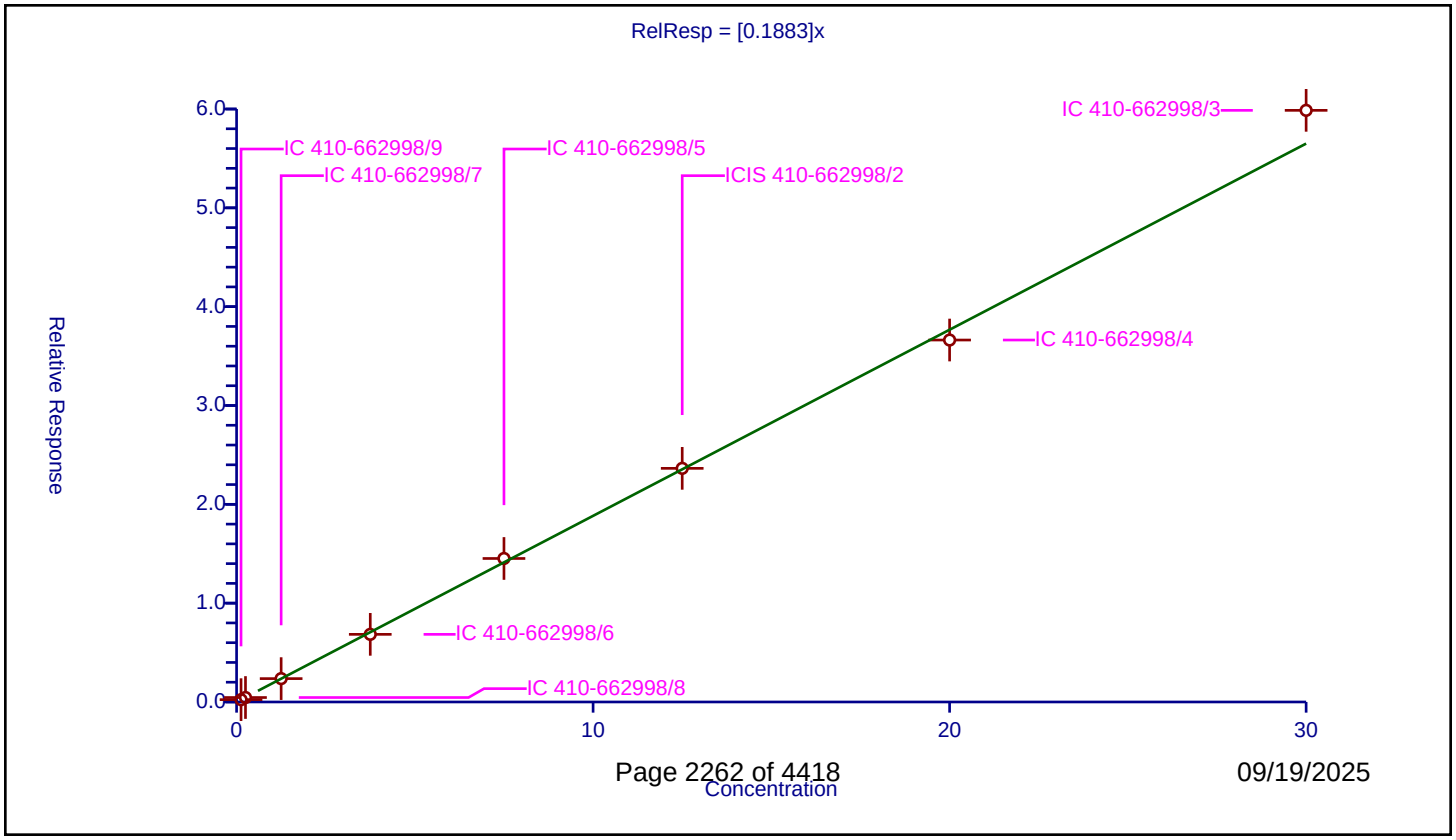
Curve Coefficients

Intercept:	0
Slope:	0.1883

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.023636	5.0	585122.0	0.189089	Y
2	IC 410-662998/8	0.25	0.045102	5.0	594545.0	0.180407	Y
3	IC 410-662998/7	1.25	0.236585	5.0	572121.0	0.189268	Y
4	IC 410-662998/6	3.75	0.684424	5.0	622502.0	0.182513	Y
5	IC 410-662998/5	7.5	1.45214	5.0	591465.0	0.193619	Y
6	ICIS 410-662998/2	12.5	2.364176	5.0	653513.0	0.189134	Y
7	IC 410-662998/4	20.0	3.662587	5.0	618298.0	0.183129	Y
8	IC 410-662998/3	30.0	5.986457	5.0	580674.0	0.199549	Y



Calibration / Quinoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

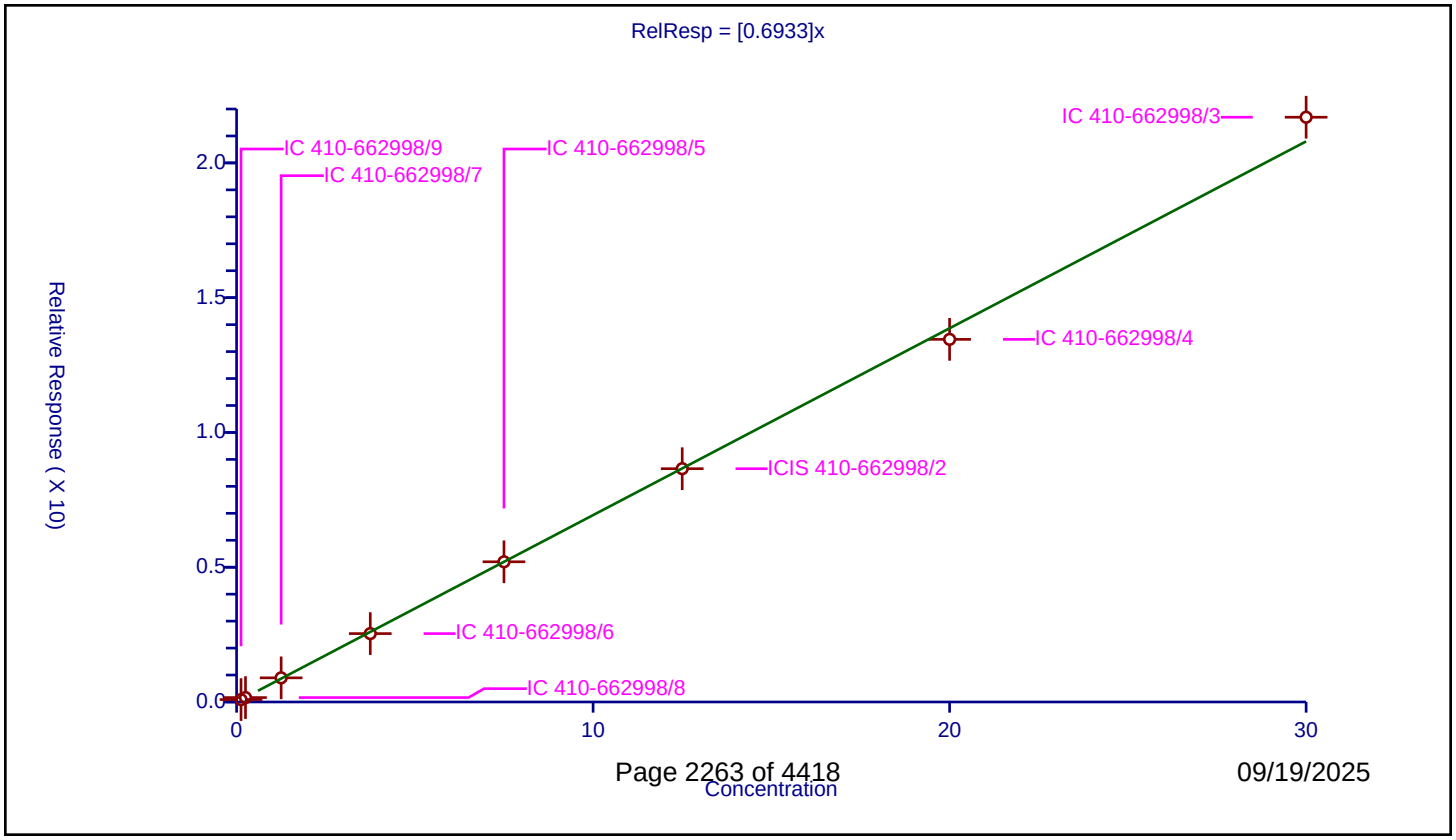
Curve Coefficients

Intercept:	0
Slope:	0.6933

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.089571	5.0	585122.0	0.716569	Y
2	IC 410-662998/8	0.25	0.163671	5.0	594545.0	0.654686	Y
3	IC 410-662998/7	1.25	0.895763	5.0	572121.0	0.716611	Y
4	IC 410-662998/6	3.75	2.537004	5.0	622502.0	0.676534	Y
5	IC 410-662998/5	7.5	5.201348	5.0	591465.0	0.693513	Y
6	ICIS 410-662998/2	12.5	8.655574	5.0	653513.0	0.692446	Y
7	IC 410-662998/4	20.0	13.454119	5.0	618298.0	0.672706	Y
8	IC 410-662998/3	30.0	21.695297	5.0	580674.0	0.723177	Y



Calibration / Caprolactam

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

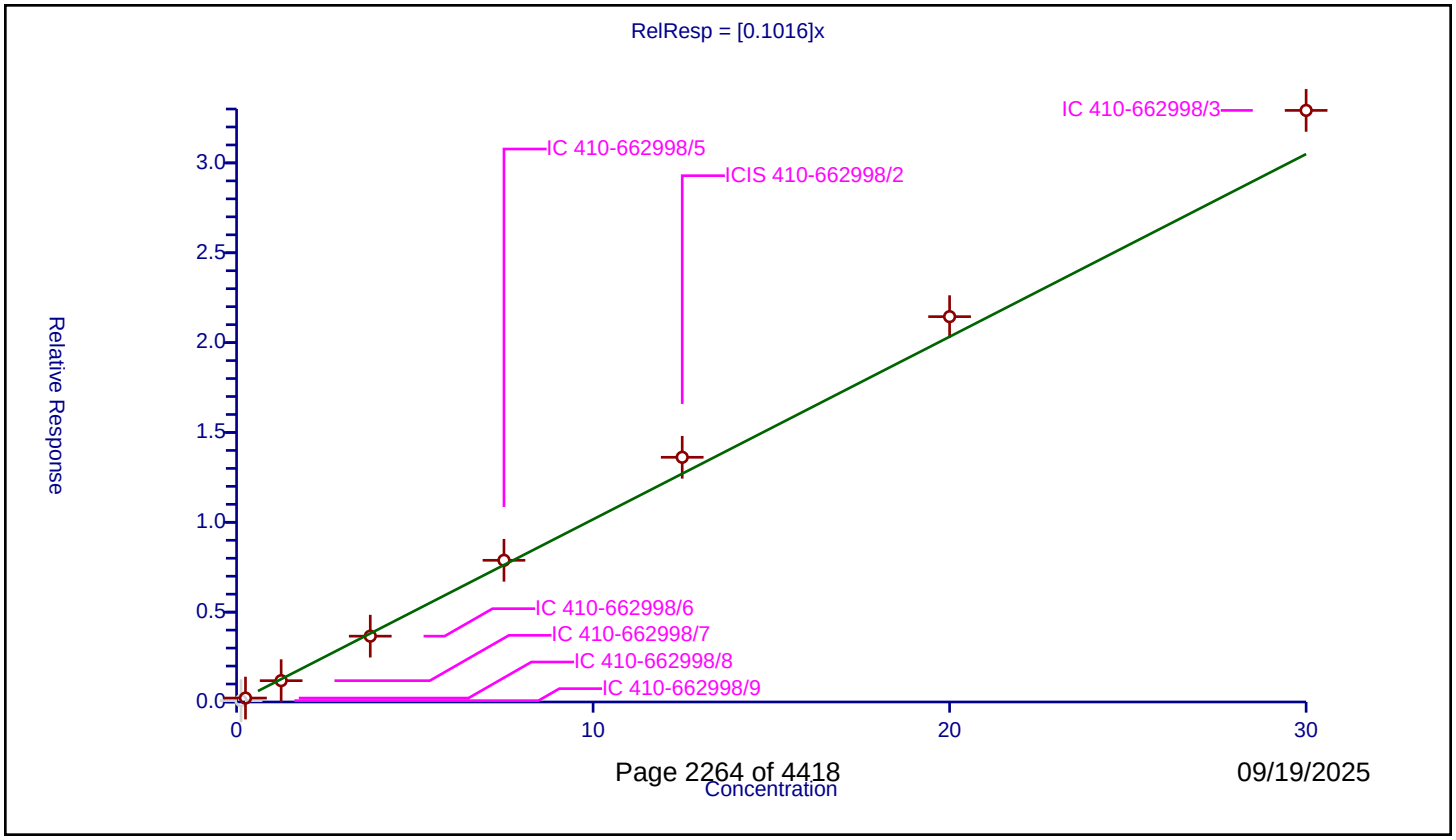
Curve Coefficients

Intercept:	0
Slope:	0.1016

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.007511	5.0	585122.0	0.06009	N
2	IC 410-662998/8	0.25	0.021941	5.0	594545.0	0.087765	Y
3	IC 410-662998/7	1.25	0.118699	5.0	572121.0	0.094959	Y
4	IC 410-662998/6	3.75	0.3664	5.0	622502.0	0.097707	Y
5	IC 410-662998/5	7.5	0.788618	5.0	591465.0	0.105149	Y
6	ICIS 410-662998/2	12.5	1.361779	5.0	653513.0	0.108942	Y
7	IC 410-662998/4	20.0	2.144476	5.0	618298.0	0.107224	Y
8	IC 410-662998/3	30.0	3.292295	5.0	580674.0	0.109743	Y



Calibration / N-Nitrosodi-n-butylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

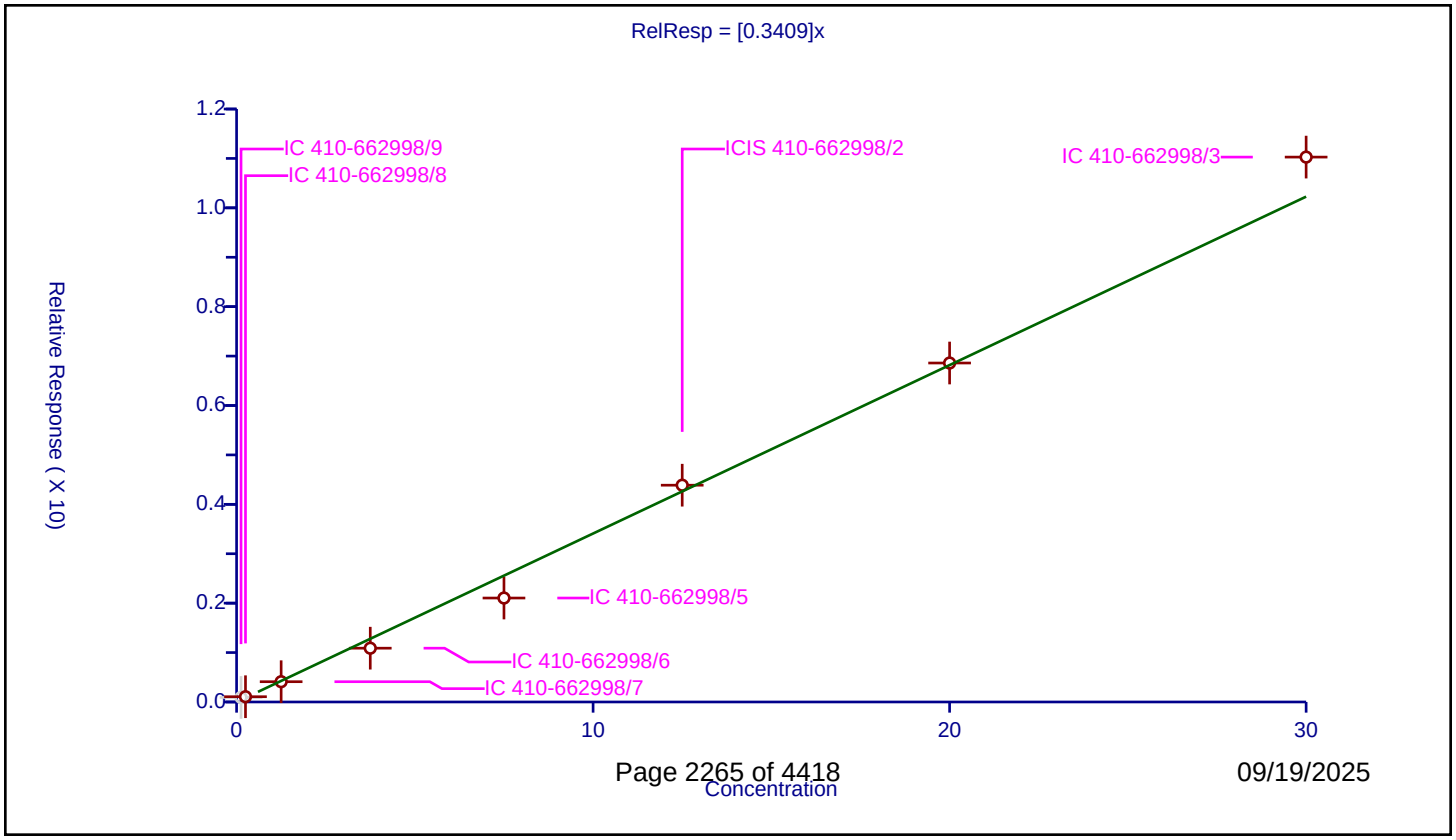
Curve Coefficients

Intercept:	0
Slope:	0.3409

Error Coefficients

Relative Standard Deviation:	14.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.091887	5.0	585122.0	0.735095	N
2	IC 410-662998/8	0.25	0.106325	5.0	594545.0	0.4253	Y
3	IC 410-662998/7	1.25	0.410665	5.0	572121.0	0.328532	Y
4	IC 410-662998/6	3.75	1.088527	5.0	622502.0	0.290274	Y
5	IC 410-662998/5	7.5	2.104038	5.0	591465.0	0.280538	Y
6	ICIS 410-662998/2	12.5	4.387174	5.0	653513.0	0.350974	Y
7	IC 410-662998/4	20.0	6.859807	5.0	618298.0	0.34299	Y
8	IC 410-662998/3	30.0	11.027237	5.0	580674.0	0.367575	Y



Calibration / p-Phenylene diamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

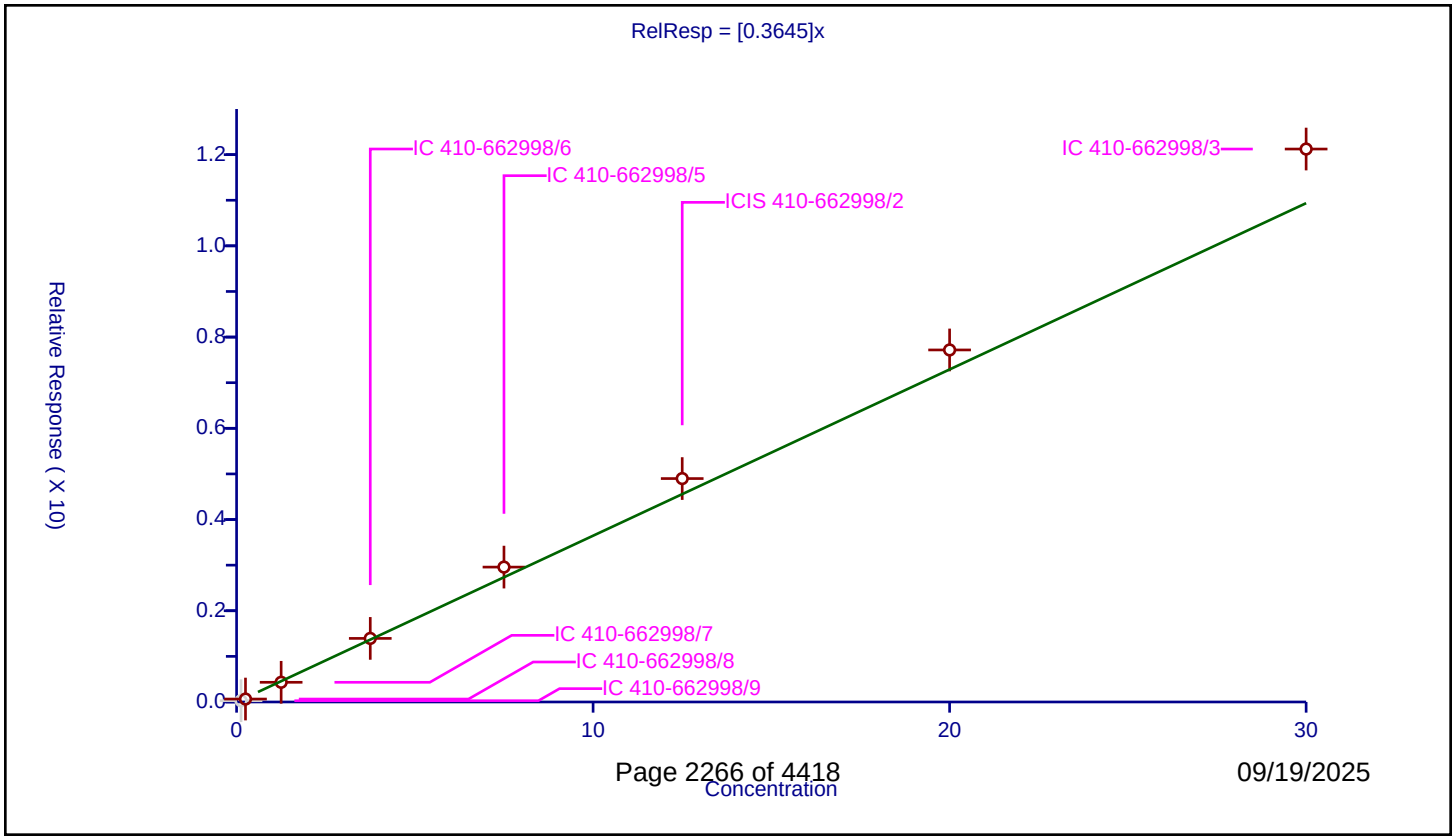
Curve Coefficients

Intercept:	0
Slope:	0.3645

Error Coefficients

Relative Standard Deviation:	13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.027892	5.0	585122.0	0.223133	N
2	IC 410-662998/8	0.25	0.064545	5.0	594545.0	0.258181	Y
3	IC 410-662998/7	1.25	0.432015	5.0	572121.0	0.345612	Y
4	IC 410-662998/6	3.75	1.393779	5.0	622502.0	0.371674	Y
5	IC 410-662998/5	7.5	2.957512	5.0	591465.0	0.394335	Y
6	ICIS 410-662998/2	12.5	4.898173	5.0	653513.0	0.391854	Y
7	IC 410-662998/4	20.0	7.71818	5.0	618298.0	0.385909	Y
8	IC 410-662998/3	30.0	12.122232	5.0	580674.0	0.404074	Y



09/19/2025

Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

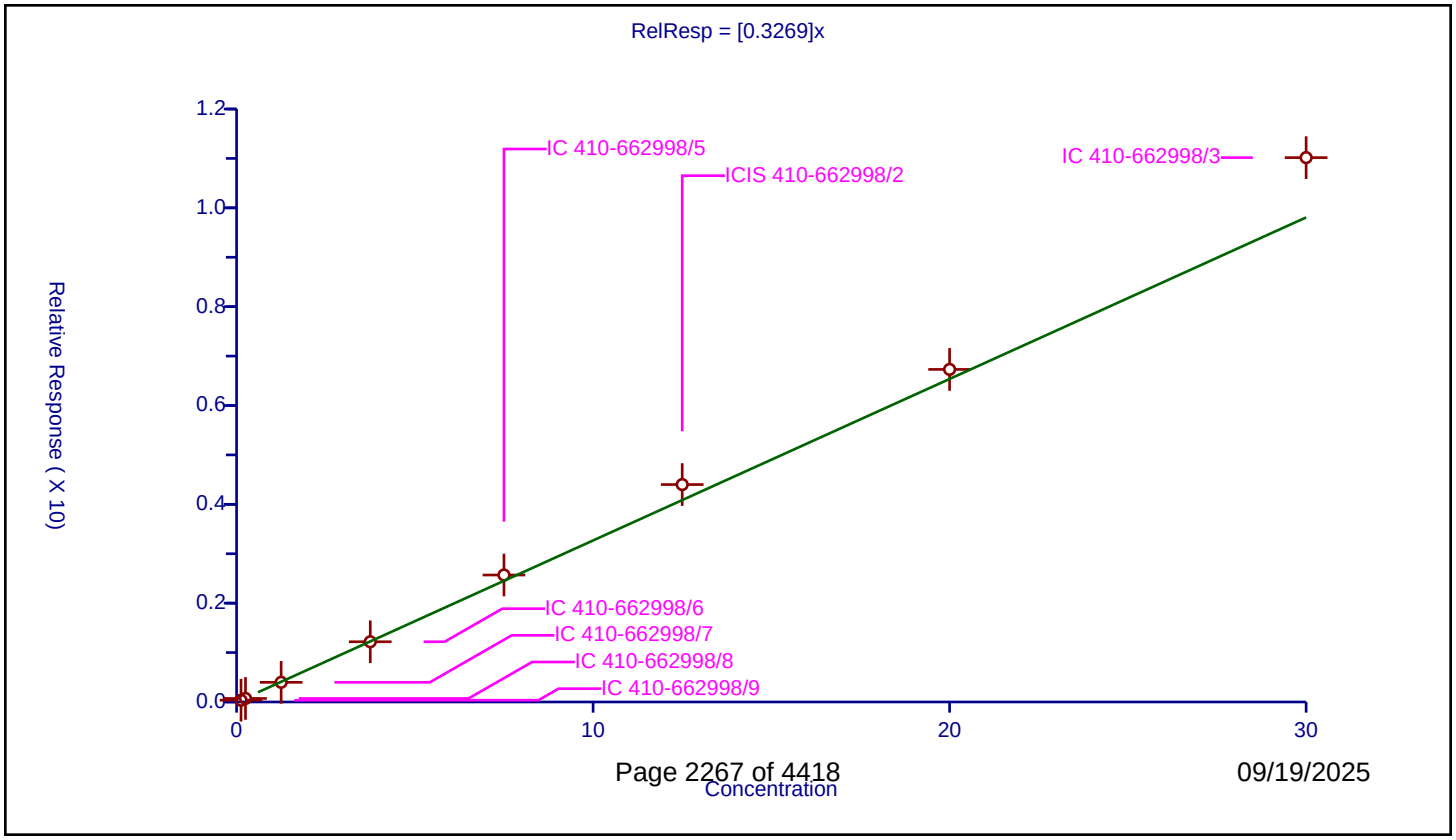
Curve Coefficients

Intercept:	0
Slope:	0.3269

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.035753	5.0	585122.0	0.286026	Y
2	IC 410-662998/8	0.25	0.071736	5.0	594545.0	0.286942	Y
3	IC 410-662998/7	1.25	0.398237	5.0	572121.0	0.31859	Y
4	IC 410-662998/6	3.75	1.218904	5.0	622502.0	0.325041	Y
5	IC 410-662998/5	7.5	2.569577	5.0	591465.0	0.34261	Y
6	ICIS 410-662998/2	12.5	4.399912	5.0	653513.0	0.351993	Y
7	IC 410-662998/4	20.0	6.730315	5.0	618298.0	0.336516	Y
8	IC 410-662998/3	30.0	11.016267	5.0	580674.0	0.367209	Y



Calibration / Safrole, Total

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

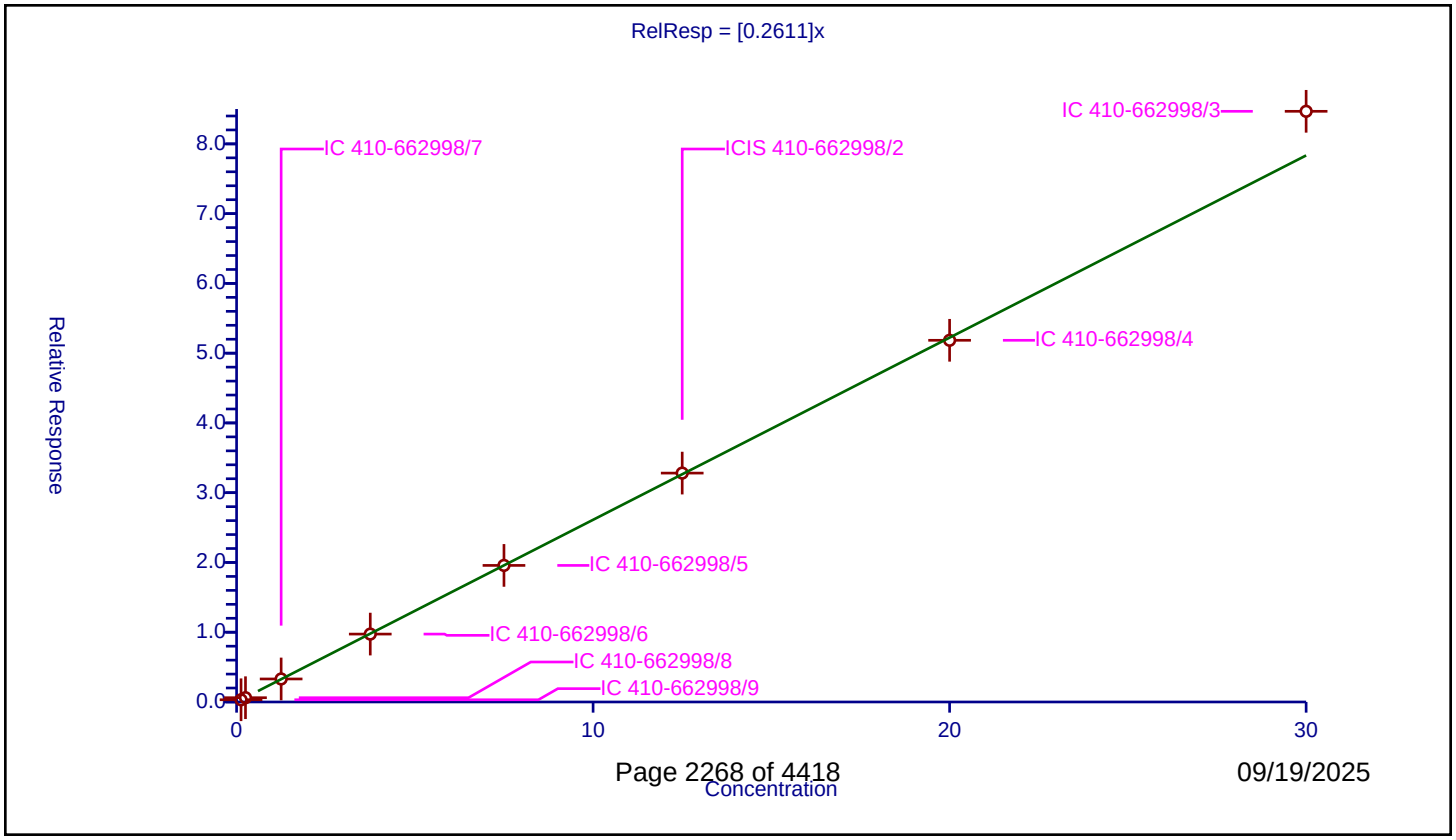
Curve Coefficients

Intercept:	0
Slope:	0.2611

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.031814	5.0	585122.0	0.254511	Y
2	IC 410-662998/8	0.25	0.061526	5.0	594545.0	0.246104	Y
3	IC 410-662998/7	1.25	0.329921	5.0	572121.0	0.263937	Y
4	IC 410-662998/6	3.75	0.973547	5.0	622502.0	0.259613	Y
5	IC 410-662998/5	7.5	1.957783	5.0	591465.0	0.261038	Y
6	ICIS 410-662998/2	12.5	3.28122	5.0	653513.0	0.262498	Y
7	IC 410-662998/4	20.0	5.184878	5.0	618298.0	0.259244	Y
8	IC 410-662998/3	30.0	8.467126	5.0	580674.0	0.282238	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

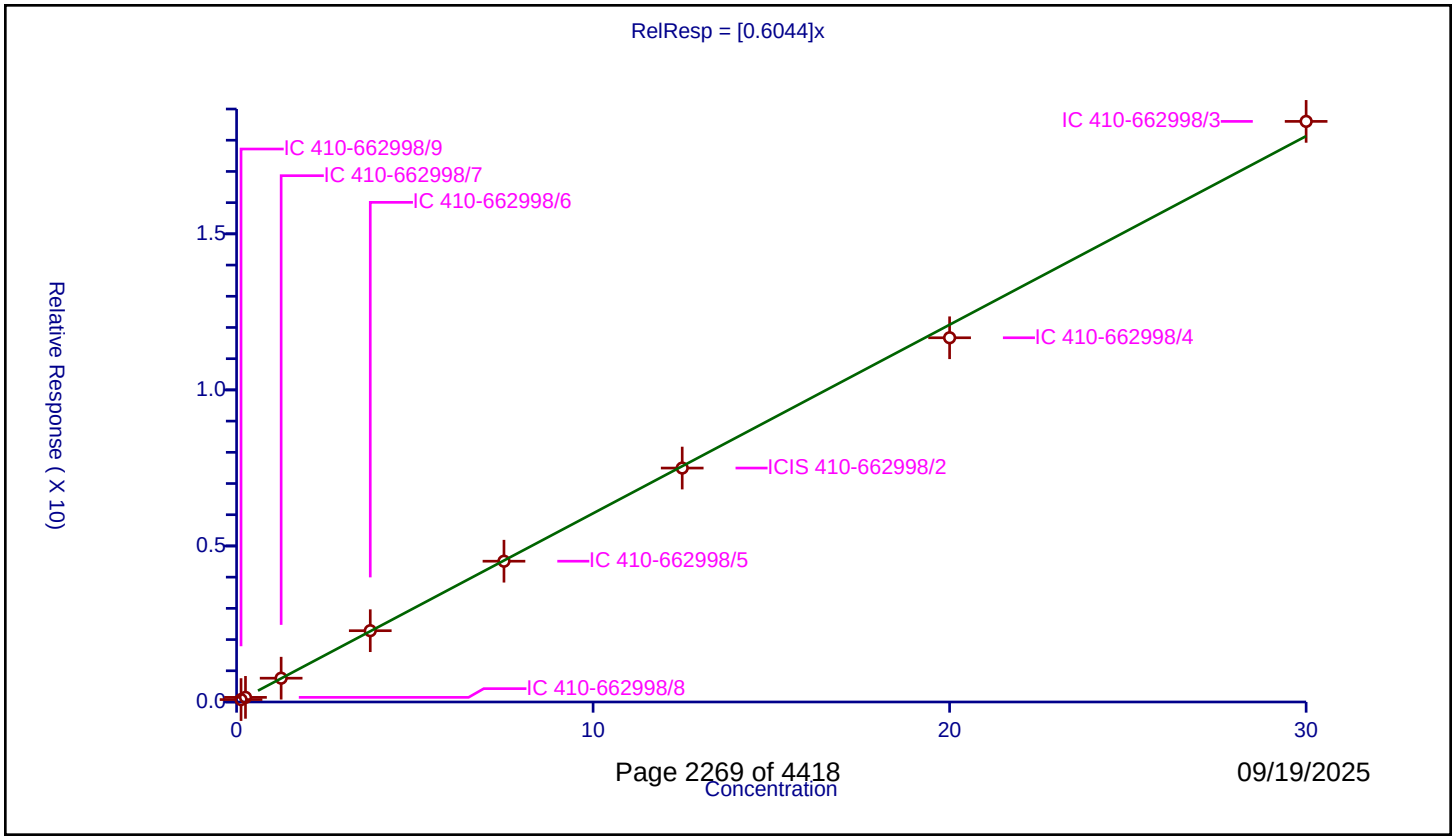
Curve Coefficients

Intercept:	0
Slope:	0.6044

Error Coefficients

Relative Standard Deviation:	2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.07742	5.0	585122.0	0.619358	Y
2	IC 410-662998/8	0.25	0.147903	5.0	594545.0	0.591612	Y
3	IC 410-662998/7	1.25	0.762959	5.0	572121.0	0.610367	Y
4	IC 410-662998/6	3.75	2.284234	5.0	622502.0	0.609129	Y
5	IC 410-662998/5	7.5	4.510833	5.0	591465.0	0.601444	Y
6	ICIS 410-662998/2	12.5	7.495298	5.0	653513.0	0.599624	Y
7	IC 410-662998/4	20.0	11.670651	5.0	618298.0	0.583533	Y
8	IC 410-662998/3	30.0	18.603588	5.0	580674.0	0.62012	Y



09/19/2025

Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

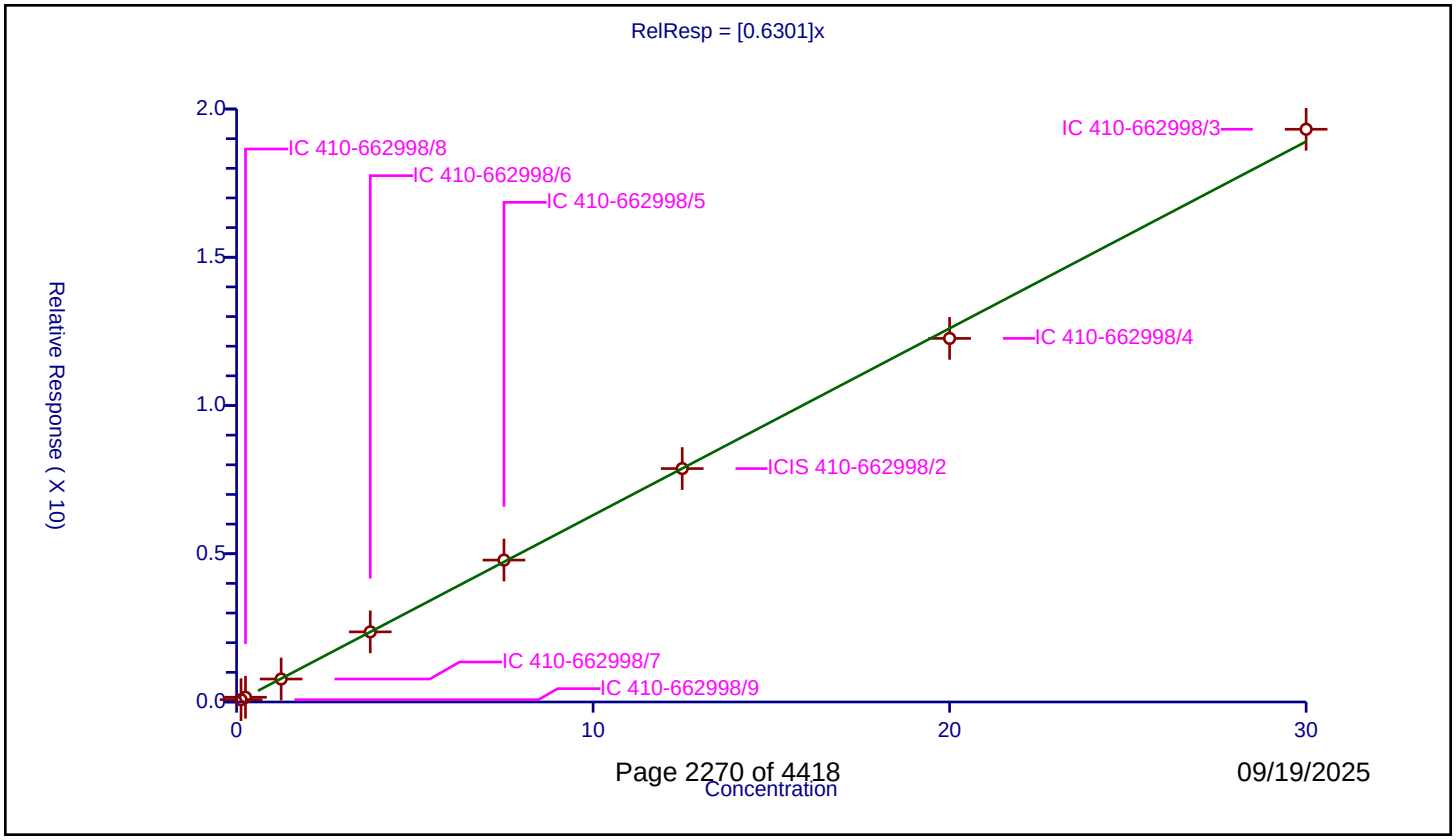
Curve Coefficients

Intercept:	0
Slope:	0.6301

Error Coefficients

Relative Standard Deviation:	1.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.078129	5.0	585122.0	0.625032	Y
2	IC 410-662998/8	0.25	0.160072	5.0	594545.0	0.640288	Y
3	IC 410-662998/7	1.25	0.774609	5.0	572121.0	0.619687	Y
4	IC 410-662998/6	3.75	2.365101	5.0	622502.0	0.630694	Y
5	IC 410-662998/5	7.5	4.785981	5.0	591465.0	0.638131	Y
6	ICIS 410-662998/2	12.5	7.873034	5.0	653513.0	0.629843	Y
7	IC 410-662998/4	20.0	12.26314	5.0	618298.0	0.613157	Y
8	IC 410-662998/3	30.0	19.317285	5.0	580674.0	0.643909	Y



Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

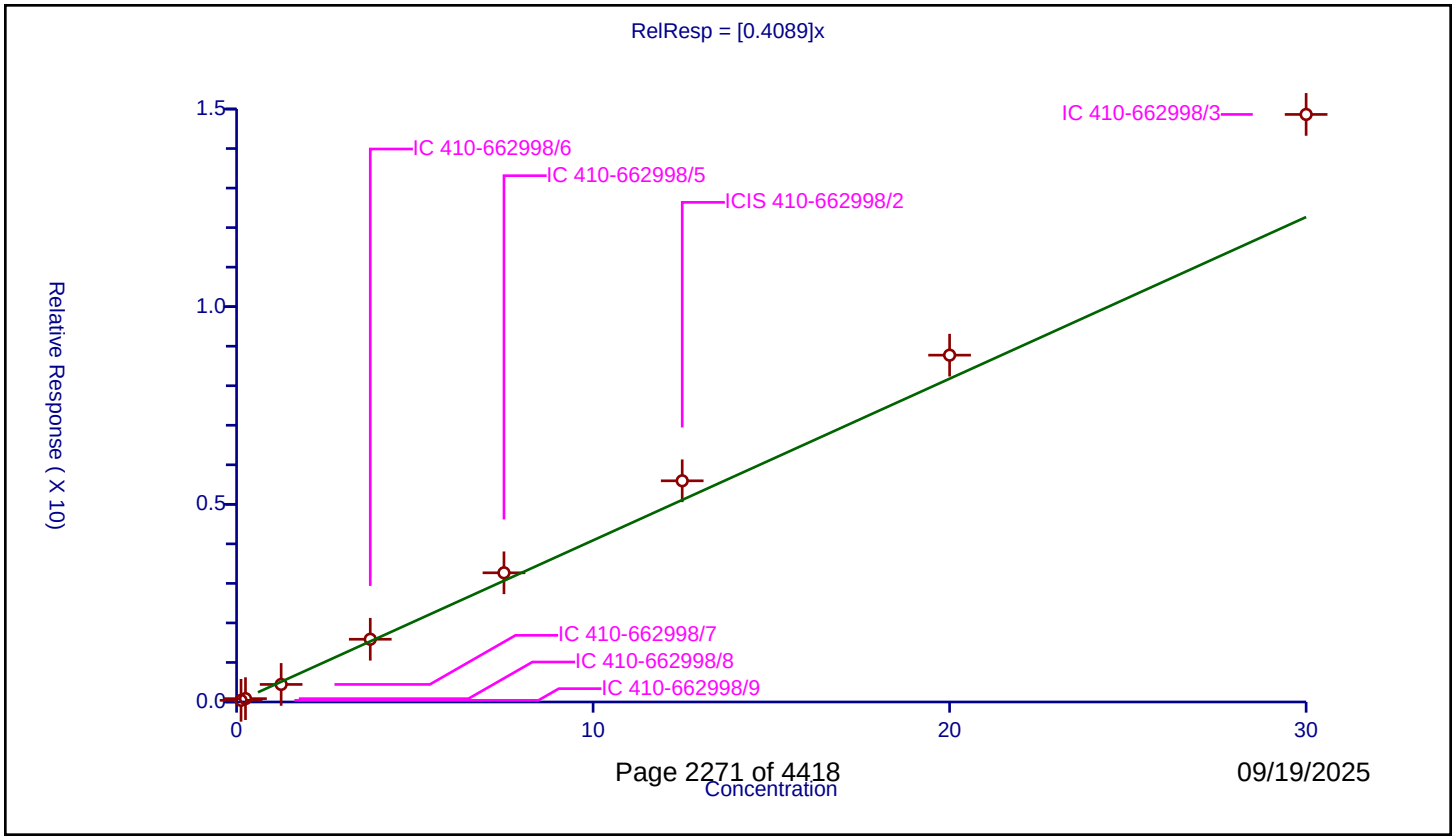
Curve Coefficients

Intercept:	0
Slope:	0.4089

Error Coefficients

Relative Standard Deviation:	14.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.041977	5.0	305646.0	0.335813	Y
2	IC 410-662998/8	0.25	0.084896	5.0	309731.0	0.339585	Y
3	IC 410-662998/7	1.25	0.443929	5.0	299113.0	0.355143	Y
4	IC 410-662998/6	3.75	1.586971	5.0	319237.0	0.423192	Y
5	IC 410-662998/5	7.5	3.26809	5.0	312037.0	0.435745	Y
6	ICIS 410-662998/2	12.5	5.595178	5.0	347333.0	0.447614	Y
7	IC 410-662998/4	20.0	8.773803	5.0	334363.0	0.43869	Y
8	IC 410-662998/3	30.0	14.862728	5.0	305415.0	0.495424	Y



09/19/2025

Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

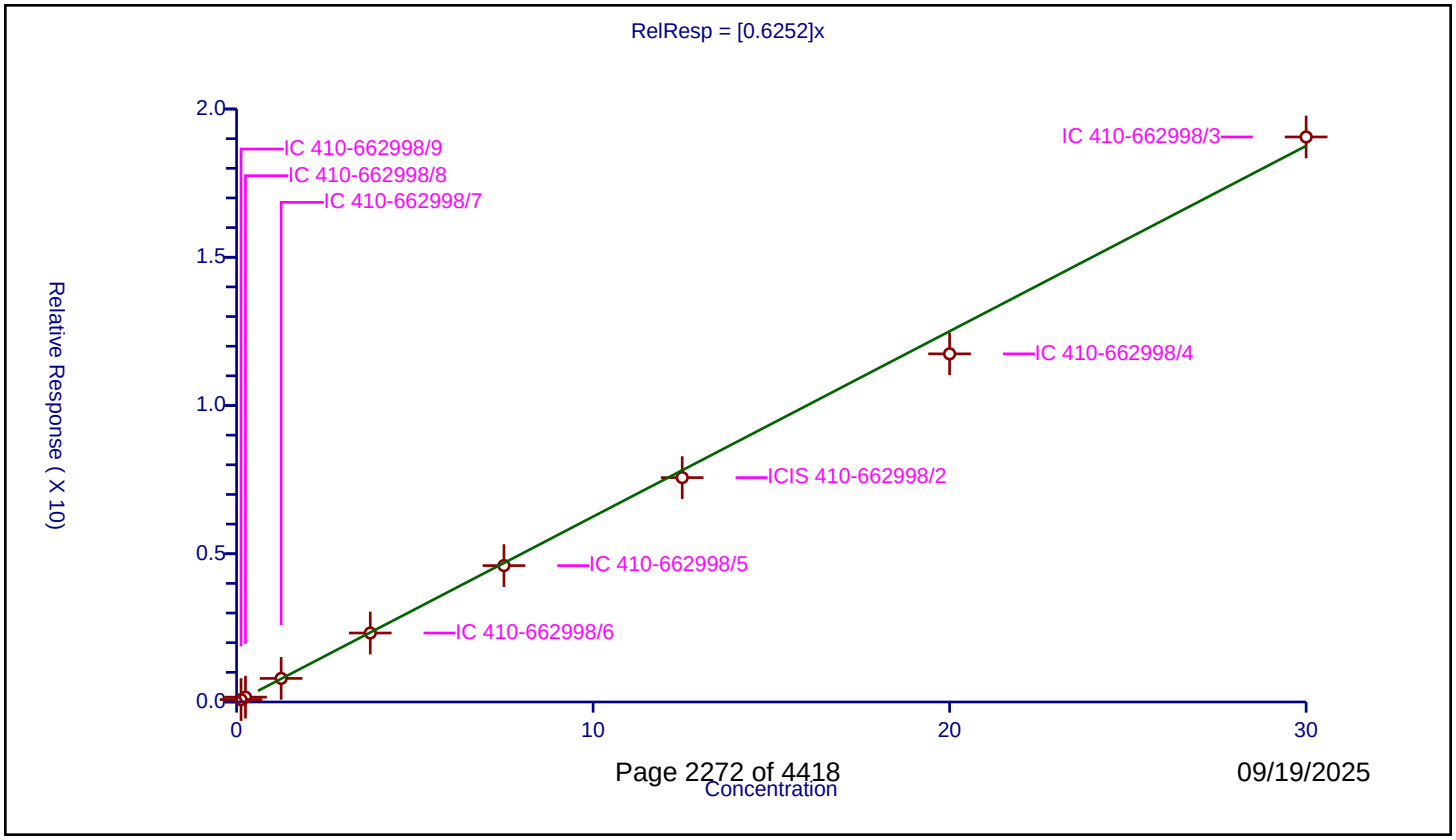
Curve Coefficients

Intercept:	0
Slope:	0.6252

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.080878	5.0	305646.0	0.647023	Y
2	IC 410-662998/8	0.25	0.164094	5.0	309731.0	0.656376	Y
3	IC 410-662998/7	1.25	0.795786	5.0	299113.0	0.636629	Y
4	IC 410-662998/6	3.75	2.326673	5.0	319237.0	0.620446	Y
5	IC 410-662998/5	7.5	4.599743	5.0	312037.0	0.613299	Y
6	ICIS 410-662998/2	12.5	7.568558	5.0	347333.0	0.605485	Y
7	IC 410-662998/4	20.0	11.742343	5.0	334363.0	0.587117	Y
8	IC 410-662998/3	30.0	19.057414	5.0	305415.0	0.635247	Y



Calibration / Isosafrole Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

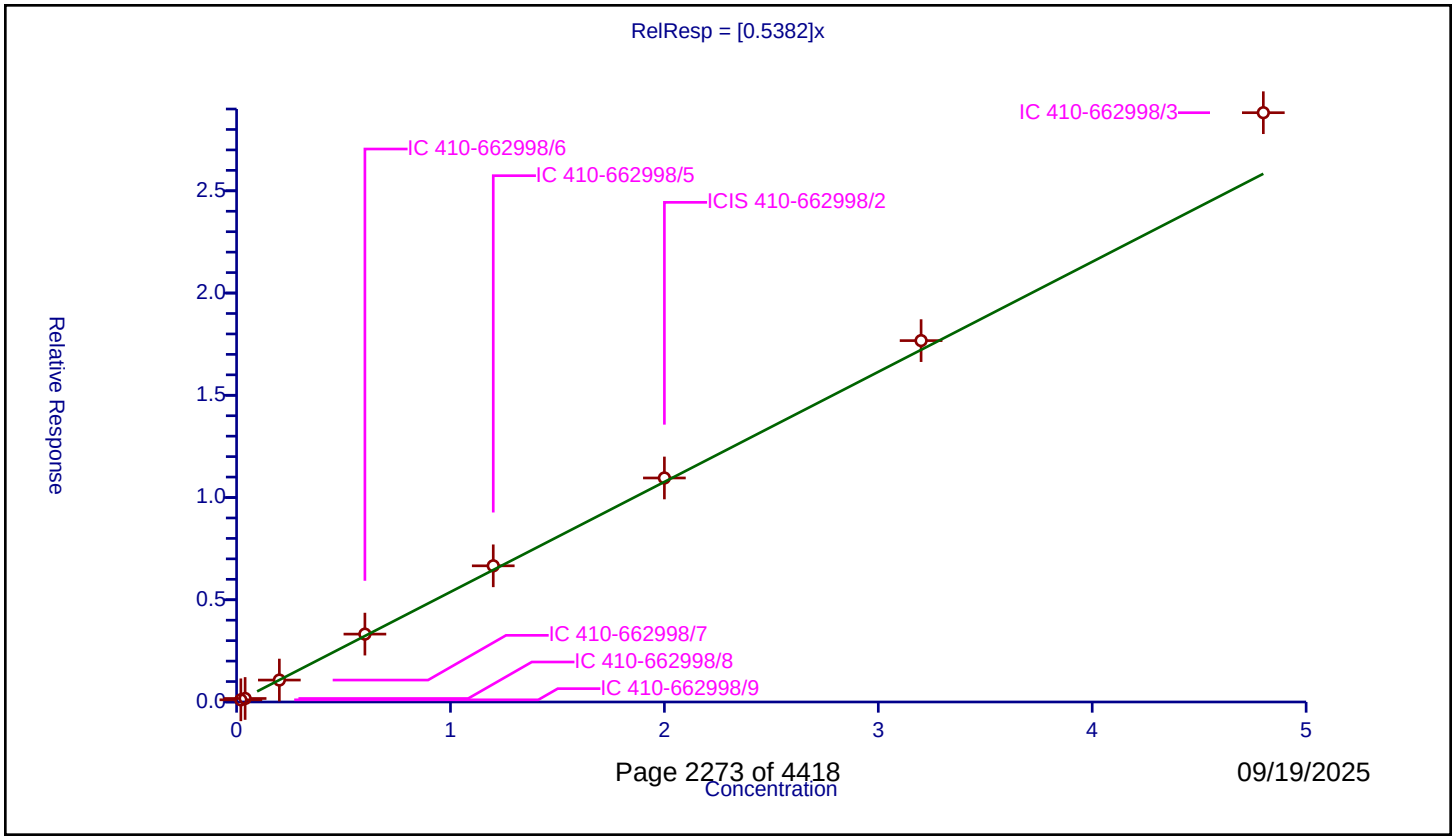
Curve Coefficients

Intercept:	0
Slope:	0.5382

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.02	0.0106	5.0	305646.0	0.530025	Y
2	IC 410-662998/8	0.04	0.017208	5.0	309731.0	0.430212	Y
3	IC 410-662998/7	0.2	0.107301	5.0	299113.0	0.536503	Y
4	IC 410-662998/6	0.6	0.331979	5.0	319237.0	0.553298	Y
5	IC 410-662998/5	1.2	0.665995	5.0	312037.0	0.554996	Y
6	ICIS 410-662998/2	2.0	1.095577	5.0	347333.0	0.547788	Y
7	IC 410-662998/4	3.2	1.767301	5.0	334363.0	0.552282	Y
8	IC 410-662998/3	4.8	2.881997	5.0	305415.0	0.600416	Y



Calibration / 2,4,6-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

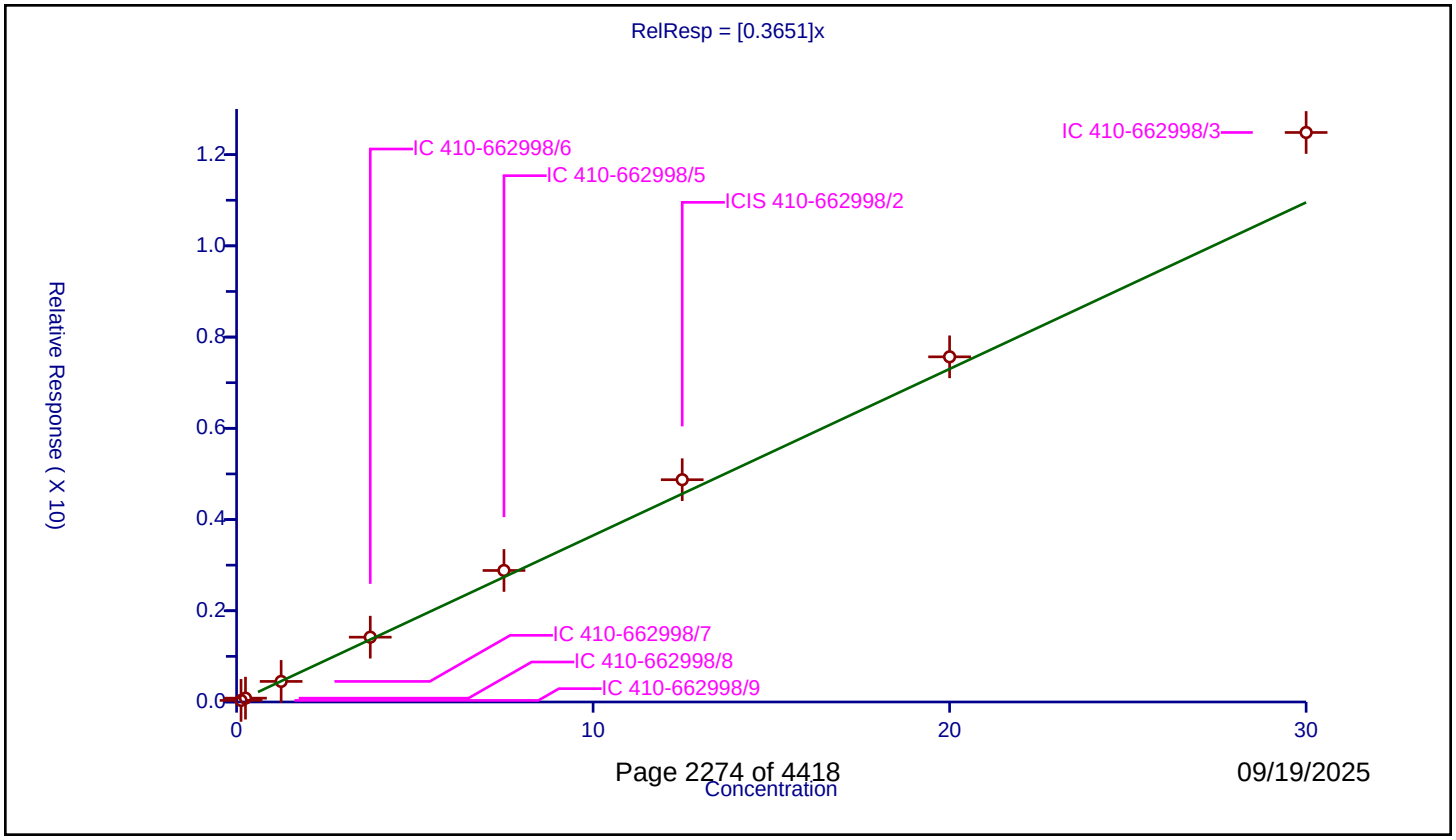
Curve Coefficients

Intercept:	0
Slope:	0.3651

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.034697	5.0	305646.0	0.277576	Y
2	IC 410-662998/8	0.25	0.083686	5.0	309731.0	0.334742	Y
3	IC 410-662998/7	1.25	0.450866	5.0	299113.0	0.360693	Y
4	IC 410-662998/6	3.75	1.420904	5.0	319237.0	0.378908	Y
5	IC 410-662998/5	7.5	2.883088	5.0	312037.0	0.384412	Y
6	ICIS 410-662998/2	12.5	4.87332	5.0	347333.0	0.389866	Y
7	IC 410-662998/4	20.0	7.566851	5.0	334363.0	0.378343	Y
8	IC 410-662998/3	30.0	12.485323	5.0	305415.0	0.416177	Y



09/19/2025

Calibration / 2,4,5-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

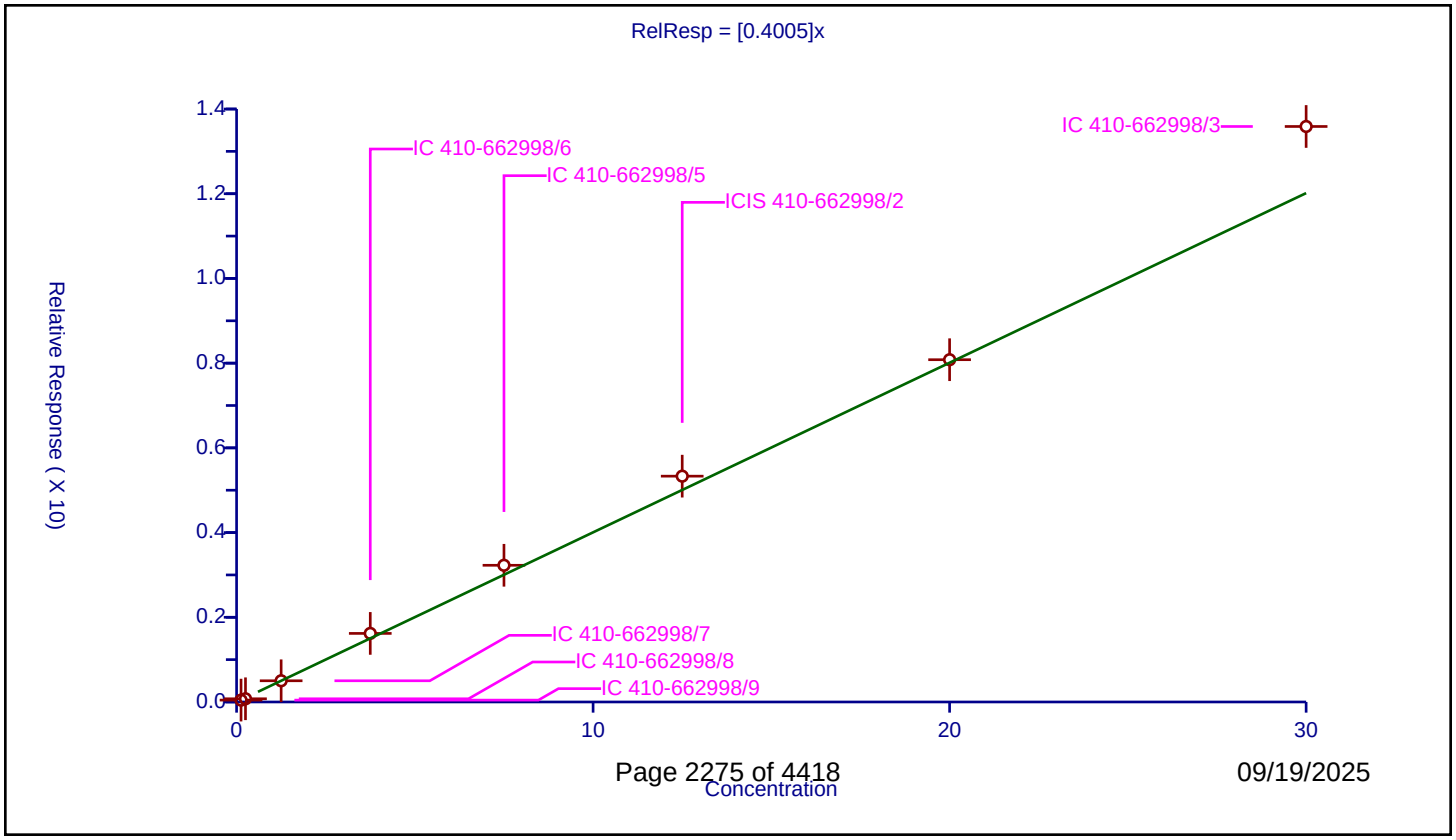
Curve Coefficients

Intercept:	0
Slope:	0.4005

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.044332	5.0	305646.0	0.354659	Y
2	IC 410-662998/8	0.25	0.075808	5.0	309731.0	0.303231	Y
3	IC 410-662998/7	1.25	0.500547	5.0	299113.0	0.400437	Y
4	IC 410-662998/6	3.75	1.618907	5.0	319237.0	0.431709	Y
5	IC 410-662998/5	7.5	3.22747	5.0	312037.0	0.430329	Y
6	ICIS 410-662998/2	12.5	5.331627	5.0	347333.0	0.42653	Y
7	IC 410-662998/4	20.0	8.080948	5.0	334363.0	0.404047	Y
8	IC 410-662998/3	30.0	13.587381	5.0	305415.0	0.452913	Y



09/19/2025

Calibration / 2-Fluorobiphenyl (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

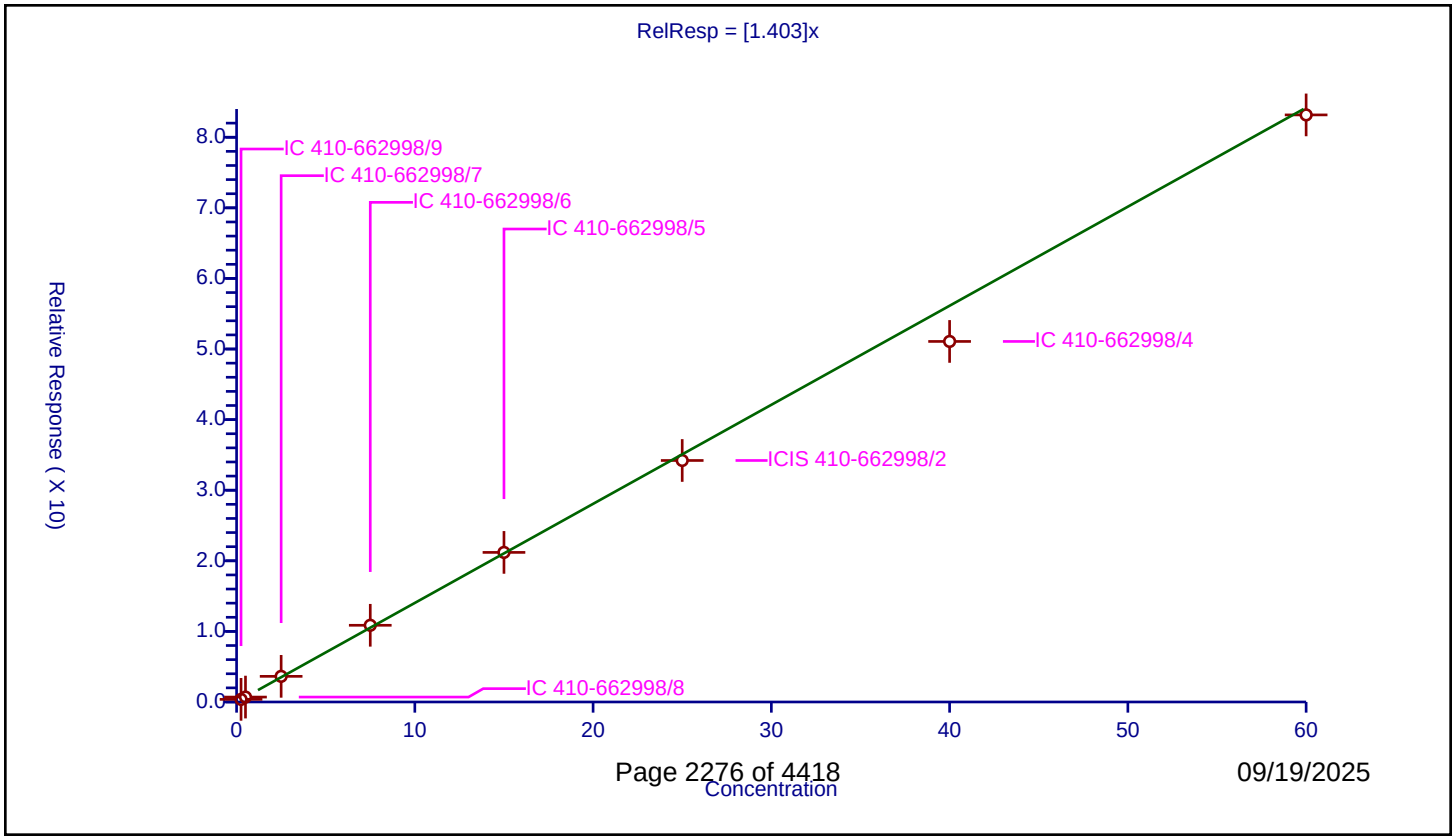
Curve Coefficients

Intercept:	0
Slope:	1.403

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.25	0.37159	5.0	305646.0	1.48636	Y
2	IC 410-662998/8	0.5	0.69683	5.0	309731.0	1.393661	Y
3	IC 410-662998/7	2.5	3.633476	5.0	299113.0	1.453391	Y
4	IC 410-662998/6	7.5	10.865486	5.0	319237.0	1.448731	Y
5	IC 410-662998/5	15.0	21.191045	5.0	312037.0	1.412736	Y
6	ICIS 410-662998/2	25.0	34.20985	5.0	347333.0	1.368394	Y
7	IC 410-662998/4	40.0	51.073788	5.0	334363.0	1.276845	Y
8	IC 410-662998/3	60.0	83.165938	5.0	305415.0	1.386099	Y



Calibration / Isosafrole Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

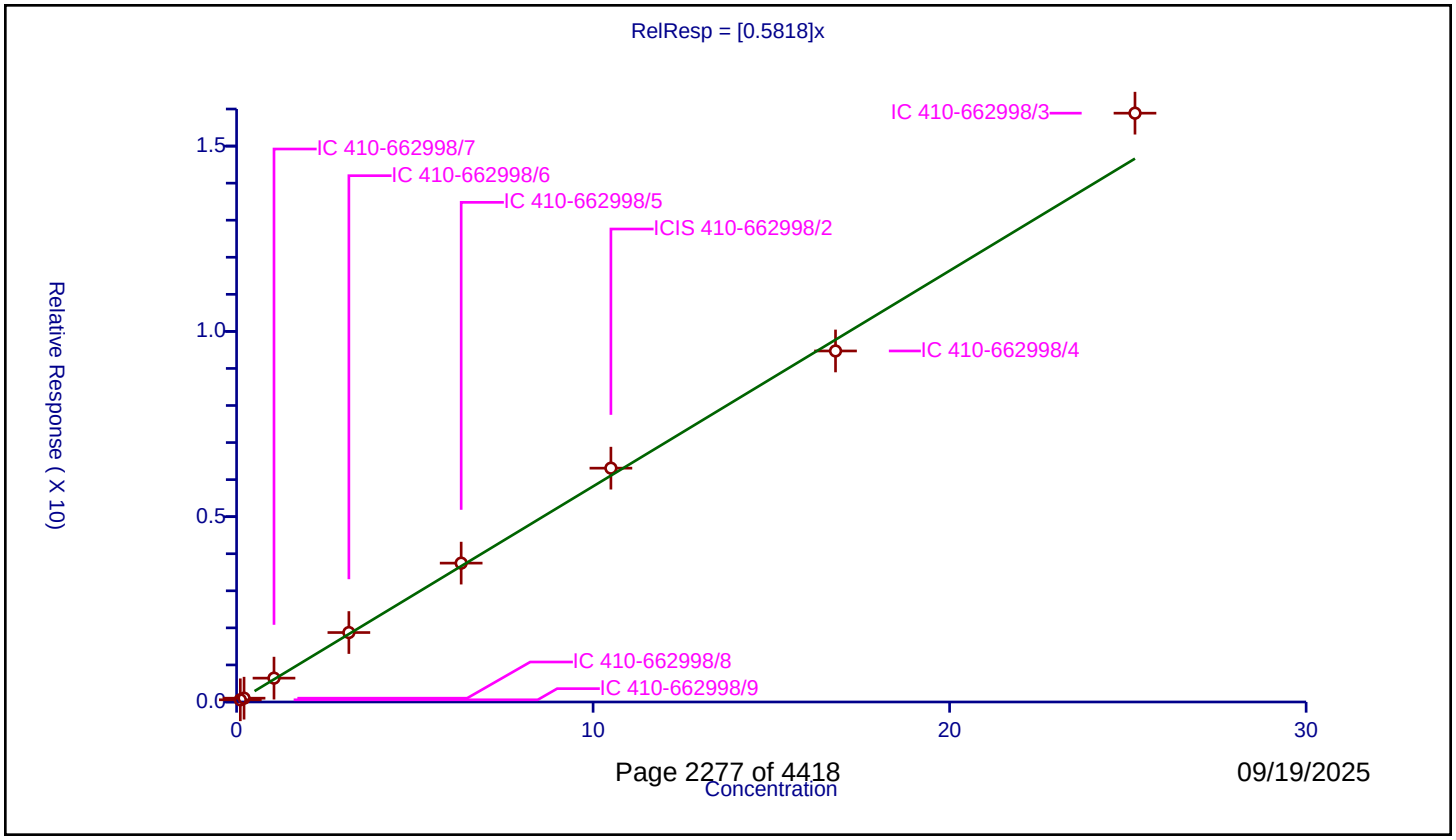
Curve Coefficients

Intercept:	0
Slope:	0.5818

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.105	0.059595	5.0	305646.0	0.567572	Y
2	IC 410-662998/8	0.21	0.102686	5.0	309731.0	0.48898	Y
3	IC 410-662998/7	1.05	0.643921	5.0	299113.0	0.613258	Y
4	IC 410-662998/6	3.15	1.873937	5.0	319237.0	0.594901	Y
5	IC 410-662998/5	6.3	3.746879	5.0	312037.0	0.594743	Y
6	ICIS 410-662998/2	10.5	6.309162	5.0	347333.0	0.600873	Y
7	IC 410-662998/4	16.8	9.471637	5.0	334363.0	0.563788	Y
8	IC 410-662998/3	25.2	15.887956	5.0	305415.0	0.630474	Y



Calibration / 1,1'-Biphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

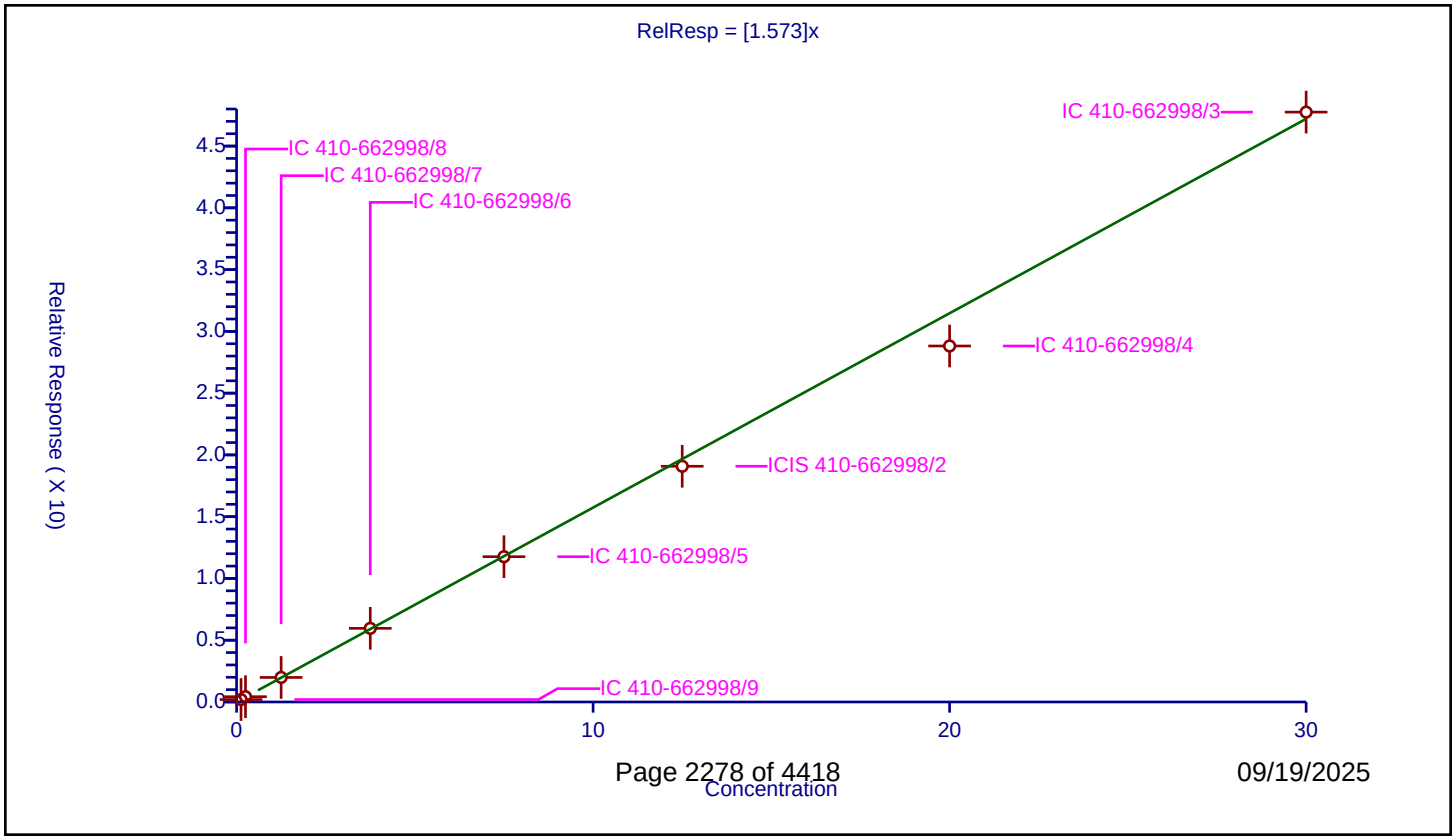
Curve Coefficients

Intercept:	0
Slope:	1.573

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.196469	5.0	305646.0	1.571753	Y
2	IC 410-662998/8	0.25	0.4275	5.0	309731.0	1.71	Y
3	IC 410-662998/7	1.25	1.986373	5.0	299113.0	1.589098	Y
4	IC 410-662998/6	3.75	5.960885	5.0	319237.0	1.589569	Y
5	IC 410-662998/5	7.5	11.760384	5.0	312037.0	1.568051	Y
6	ICIS 410-662998/2	12.5	19.080364	5.0	347333.0	1.526429	Y
7	IC 410-662998/4	20.0	28.816944	5.0	334363.0	1.440847	Y
8	IC 410-662998/3	30.0	47.749718	5.0	305415.0	1.591657	Y



09/19/2025

Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

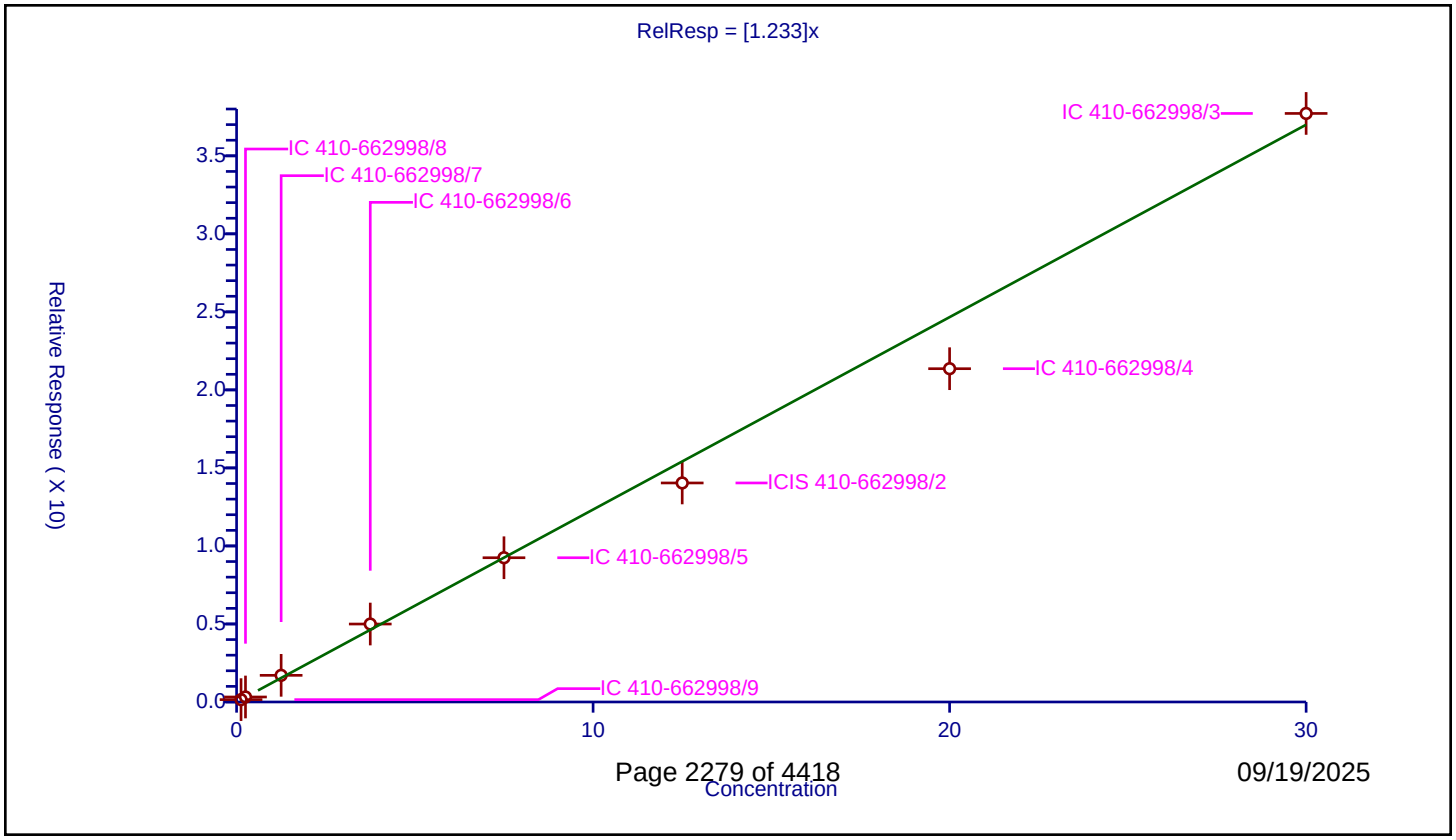
Curve Coefficients

Intercept:	0
Slope:	1.233

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.150877	5.0	305646.0	1.207017	Y
2	IC 410-662998/8	0.25	0.319777	5.0	309731.0	1.27911	Y
3	IC 410-662998/7	1.25	1.707331	5.0	299113.0	1.365865	Y
4	IC 410-662998/6	3.75	4.996335	5.0	319237.0	1.332356	Y
5	IC 410-662998/5	7.5	9.244417	5.0	312037.0	1.232589	Y
6	ICIS 410-662998/2	12.5	14.036112	5.0	347333.0	1.122889	Y
7	IC 410-662998/4	20.0	21.358972	5.0	334363.0	1.067949	Y
8	IC 410-662998/3	30.0	37.71614	5.0	305415.0	1.257205	Y



Calibration / 1-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

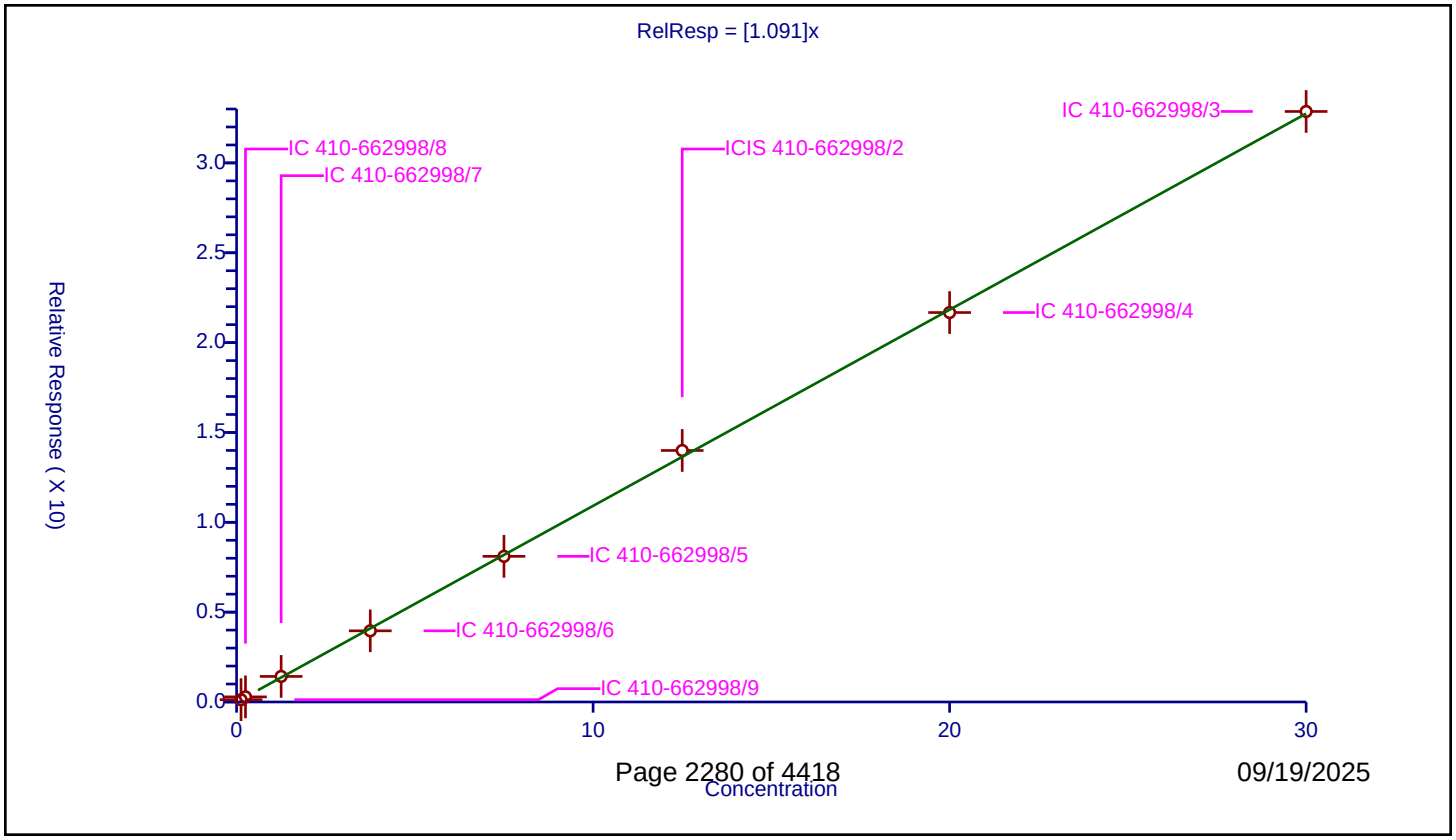
Curve Coefficients

Intercept:	0
Slope:	1.091

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.128008	5.0	305646.0	1.024061	Y
2	IC 410-662998/8	0.25	0.283472	5.0	309731.0	1.133887	Y
3	IC 410-662998/7	1.25	1.422823	5.0	299113.0	1.138259	Y
4	IC 410-662998/6	3.75	3.959895	5.0	319237.0	1.055972	Y
5	IC 410-662998/5	7.5	8.104824	5.0	312037.0	1.080643	Y
6	ICIS 410-662998/2	12.5	13.997	5.0	347333.0	1.11976	Y
7	IC 410-662998/4	20.0	21.673675	5.0	334363.0	1.083684	Y
8	IC 410-662998/3	30.0	32.86389	5.0	305415.0	1.095463	Y



Calibration / Phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

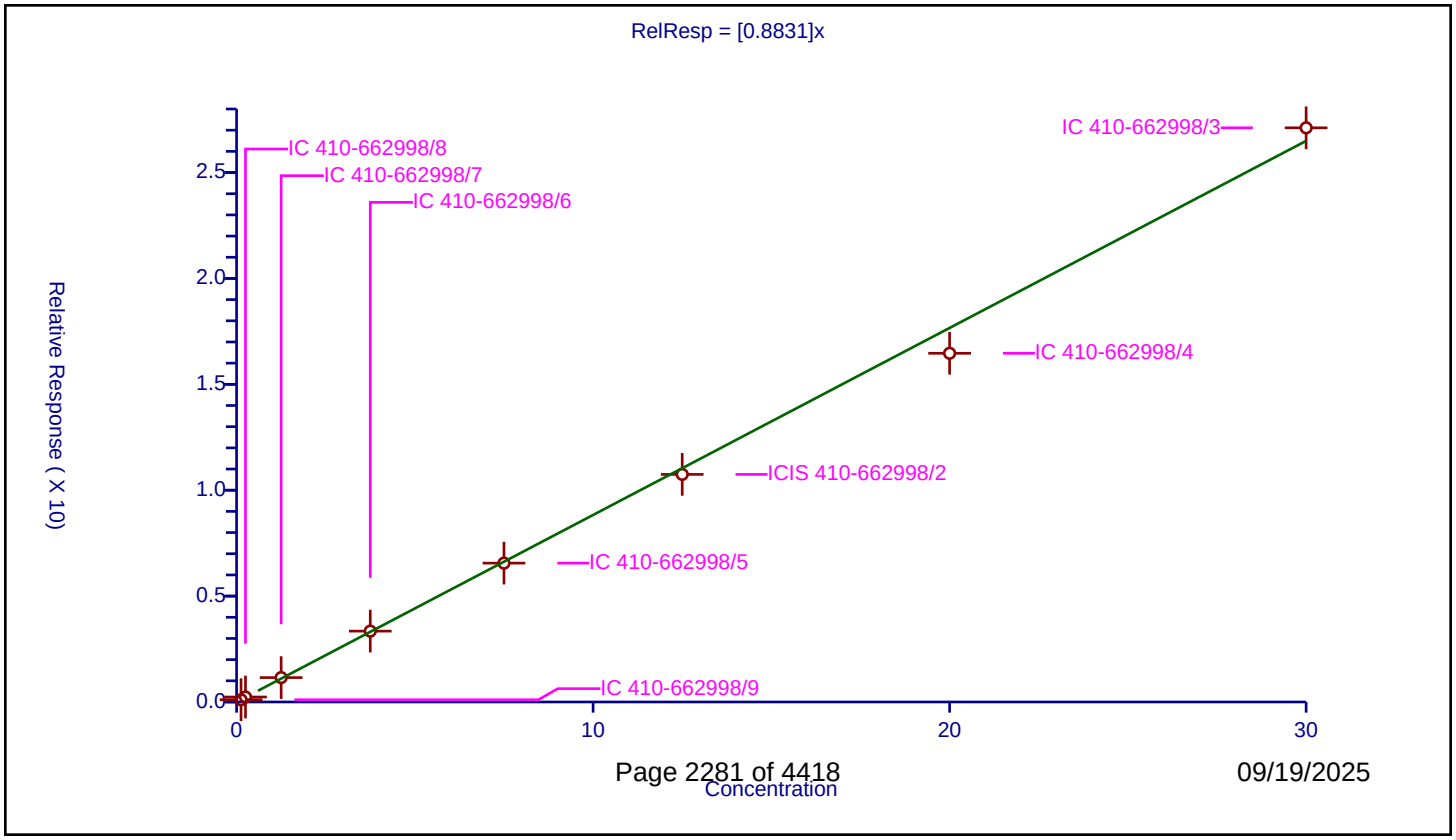
Curve Coefficients

Intercept:	0
Slope:	0.8831

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.106627	5.0	305646.0	0.853013	Y
2	IC 410-662998/8	0.25	0.234268	5.0	309731.0	0.937071	Y
3	IC 410-662998/7	1.25	1.152006	5.0	299113.0	0.921605	Y
4	IC 410-662998/6	3.75	3.345837	5.0	319237.0	0.892223	Y
5	IC 410-662998/5	7.5	6.557203	5.0	312037.0	0.874294	Y
6	ICIS 410-662998/2	12.5	10.746157	5.0	347333.0	0.859693	Y
7	IC 410-662998/4	20.0	16.466056	5.0	334363.0	0.823303	Y
8	IC 410-662998/3	30.0	27.112797	5.0	305415.0	0.90376	Y



Calibration / 2-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

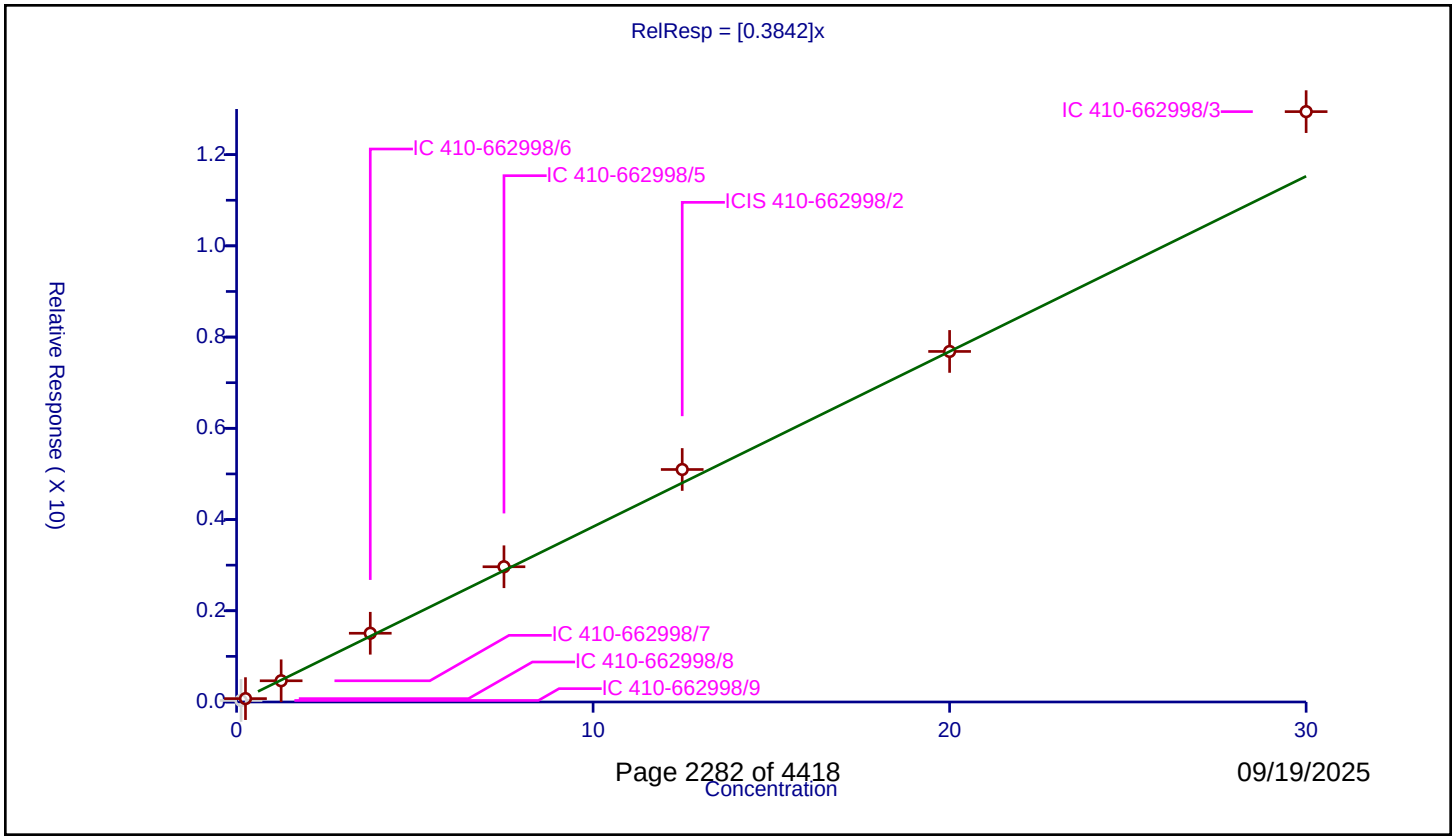
Curve Coefficients

Intercept:	0
Slope:	0.3842

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.033356	5.0	305646.0	0.266845	N
2	IC 410-662998/8	0.25	0.074161	5.0	309731.0	0.296645	Y
3	IC 410-662998/7	1.25	0.465309	5.0	299113.0	0.372247	Y
4	IC 410-662998/6	3.75	1.506577	5.0	319237.0	0.401754	Y
5	IC 410-662998/5	7.5	2.965193	5.0	312037.0	0.395359	Y
6	ICIS 410-662998/2	12.5	5.09691	5.0	347333.0	0.407753	Y
7	IC 410-662998/4	20.0	7.685151	5.0	334363.0	0.384258	Y
8	IC 410-662998/3	30.0	12.942521	5.0	305415.0	0.431417	Y



09/19/2025

Calibration / 1,4-Naphthoquinone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

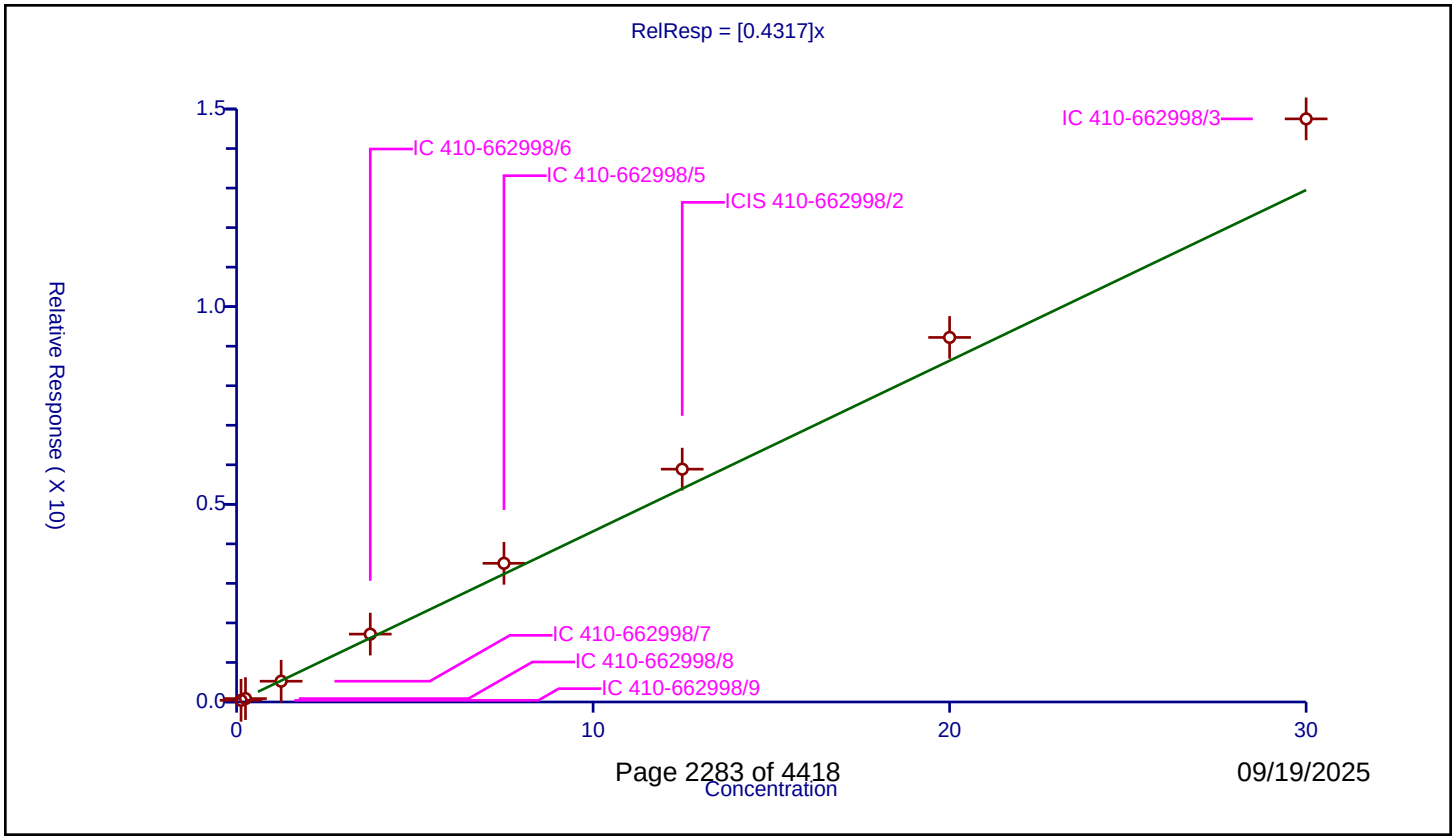
Curve Coefficients

Intercept:	0
Slope:	0.4317

Error Coefficients

Relative Standard Deviation:	13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.042451	5.0	305646.0	0.339609	Y
2	IC 410-662998/8	0.25	0.085881	5.0	309731.0	0.343524	Y
3	IC 410-662998/7	1.25	0.526039	5.0	299113.0	0.420831	Y
4	IC 410-662998/6	3.75	1.716765	5.0	319237.0	0.457804	Y
5	IC 410-662998/5	7.5	3.508286	5.0	312037.0	0.467771	Y
6	ICIS 410-662998/2	12.5	5.889809	5.0	347333.0	0.471185	Y
7	IC 410-662998/4	20.0	9.221923	5.0	334363.0	0.461096	Y
8	IC 410-662998/3	30.0	14.750323	5.0	305415.0	0.491677	Y



Calibration / 1,4-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

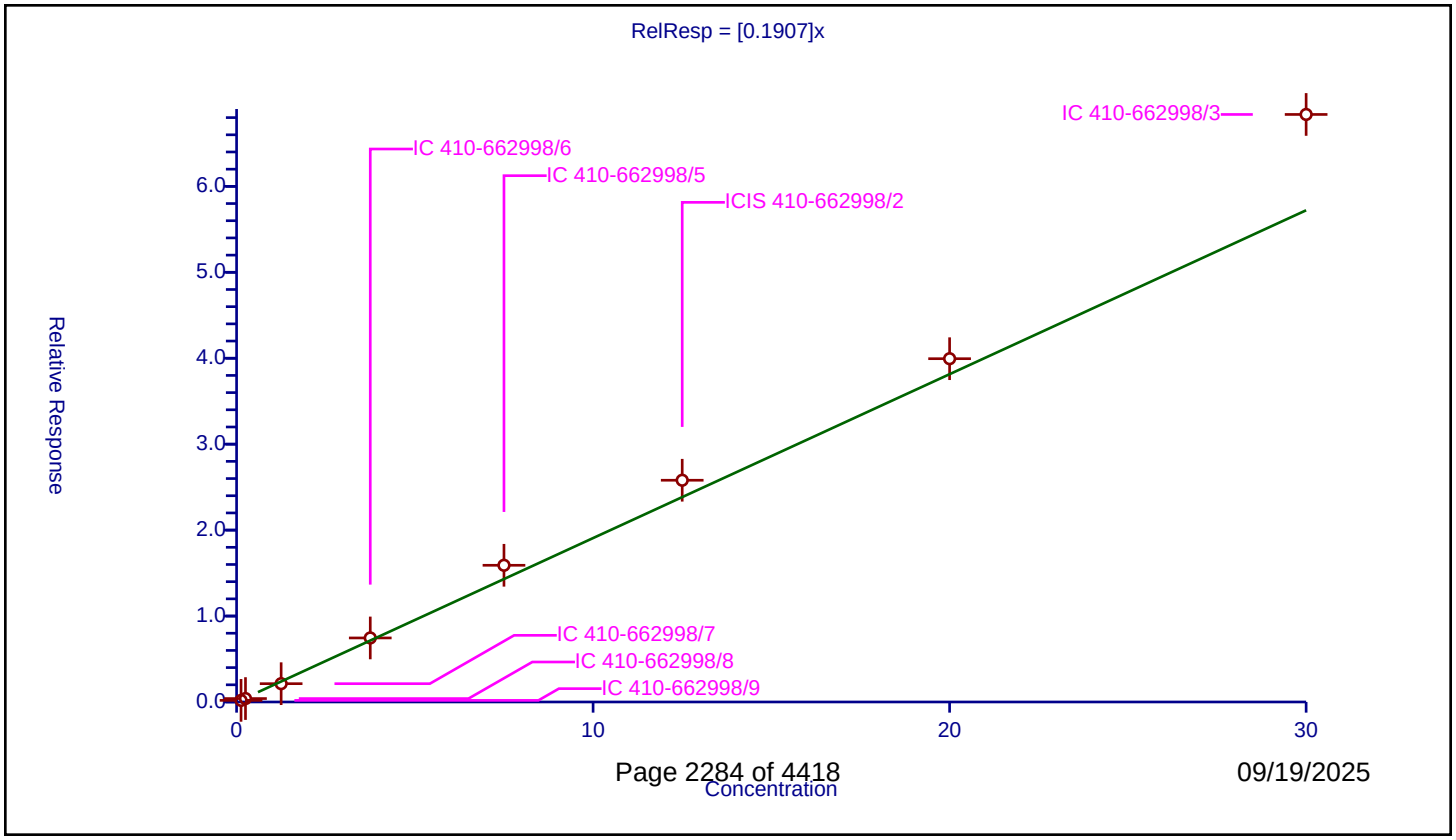
Curve Coefficients

Intercept:	0
Slope:	0.1907

Error Coefficients

Relative Standard Deviation:	14.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.018862	5.0	305646.0	0.150894	Y
2	IC 410-662998/8	0.25	0.039857	5.0	309731.0	0.159429	Y
3	IC 410-662998/7	1.25	0.213164	5.0	299113.0	0.170531	Y
4	IC 410-662998/6	3.75	0.745324	5.0	319237.0	0.198753	Y
5	IC 410-662998/5	7.5	1.590773	5.0	312037.0	0.212103	Y
6	ICIS 410-662998/2	12.5	2.580218	5.0	347333.0	0.206417	Y
7	IC 410-662998/4	20.0	3.994596	5.0	334363.0	0.19973	Y
8	IC 410-662998/3	30.0	6.836829	5.0	305415.0	0.227894	Y



Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

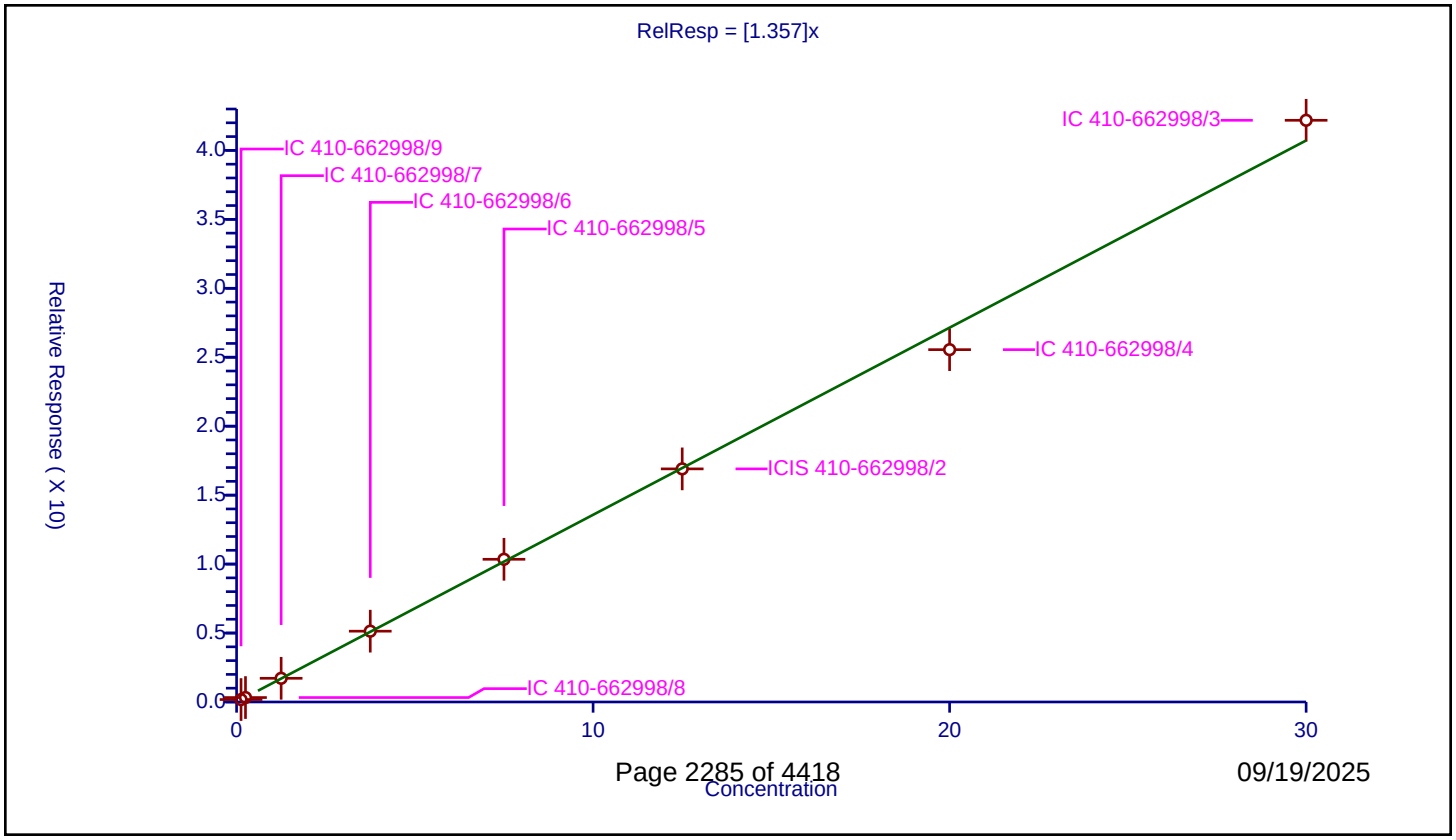
Curve Coefficients

Intercept:	0
Slope:	1.357

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.176495	5.0	305646.0	1.41196	Y
2	IC 410-662998/8	0.25	0.321521	5.0	309731.0	1.286084	Y
3	IC 410-662998/7	1.25	1.718715	5.0	299113.0	1.374972	Y
4	IC 410-662998/6	3.75	5.13584	5.0	319237.0	1.369557	Y
5	IC 410-662998/5	7.5	10.348276	5.0	312037.0	1.37977	Y
6	ICIS 410-662998/2	12.5	16.903102	5.0	347333.0	1.352248	Y
7	IC 410-662998/4	20.0	25.549358	5.0	334363.0	1.277468	Y
8	IC 410-662998/3	30.0	42.182424	5.0	305415.0	1.406081	Y



Calibration / 1,3-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

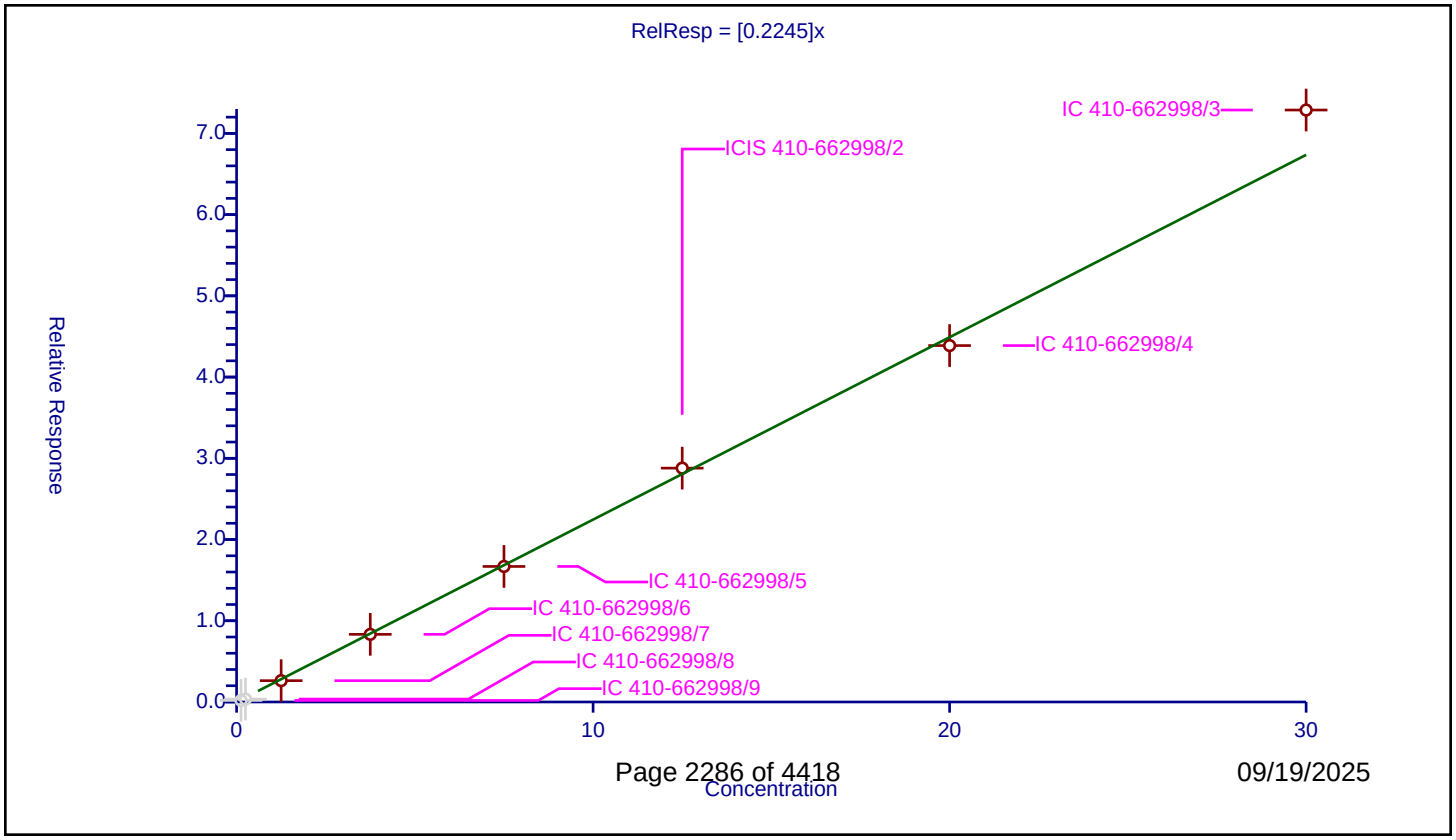
Curve Coefficients

Intercept:	0
Slope:	0.2245

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.01932	5.0	305646.0	0.154558	N
2	IC 410-662998/8	0.25	0.035854	5.0	309731.0	0.143415	N
3	IC 410-662998/7	1.25	0.262476	5.0	299113.0	0.209981	Y
4	IC 410-662998/6	3.75	0.832673	5.0	319237.0	0.222046	Y
5	IC 410-662998/5	7.5	1.668488	5.0	312037.0	0.222465	Y
6	ICIS 410-662998/2	12.5	2.878894	5.0	347333.0	0.230312	Y
7	IC 410-662998/4	20.0	4.387761	5.0	334363.0	0.219388	Y
8	IC 410-662998/3	30.0	7.287363	5.0	305415.0	0.242912	Y



Calibration / 2,6-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

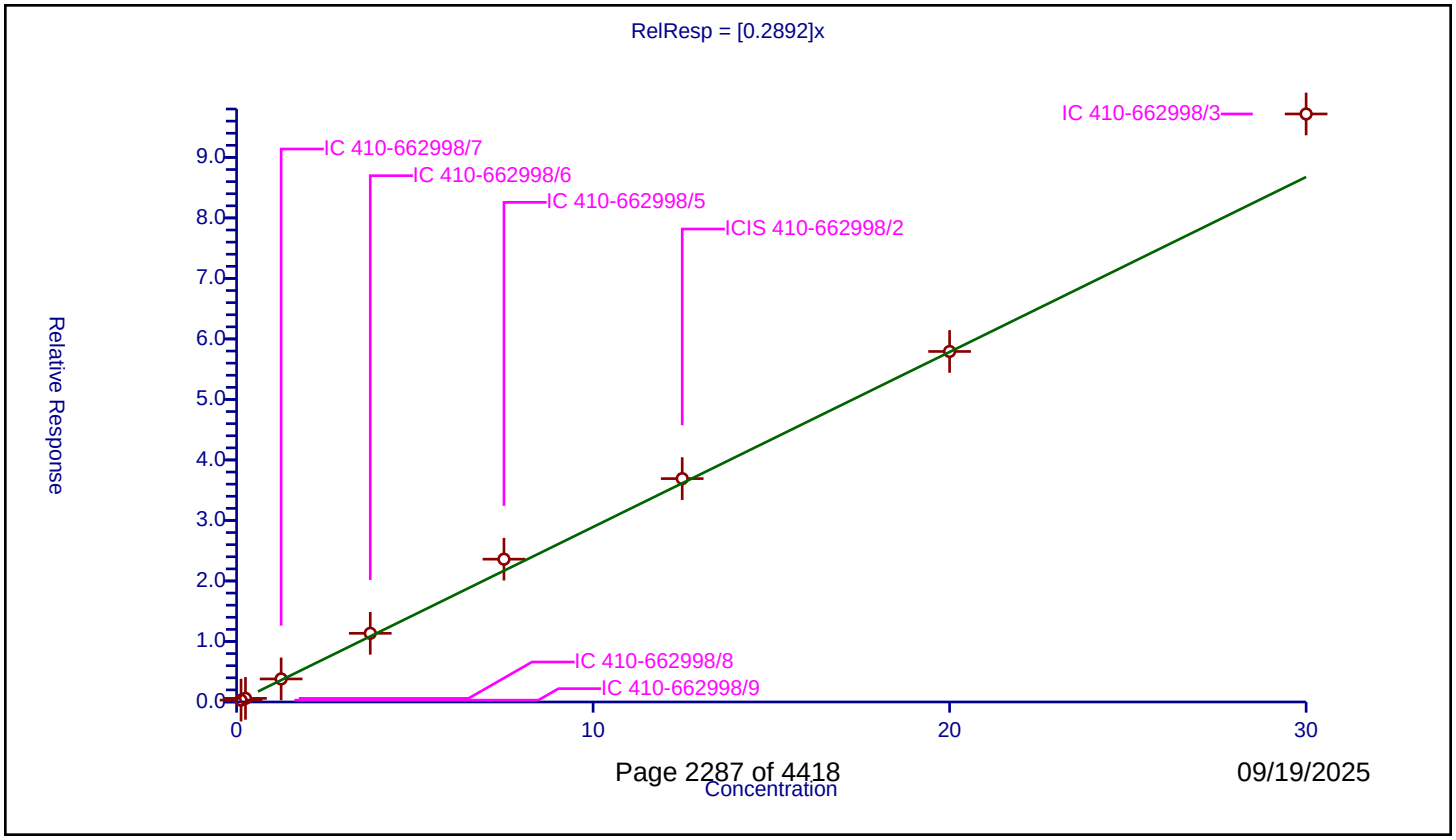
Curve Coefficients

Intercept:	0
Slope:	0.2892

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.030509	5.0	305646.0	0.244073	Y
2	IC 410-662998/8	0.25	0.059681	5.0	309731.0	0.238723	Y
3	IC 410-662998/7	1.25	0.380876	5.0	299113.0	0.304701	Y
4	IC 410-662998/6	3.75	1.135003	5.0	319237.0	0.302668	Y
5	IC 410-662998/5	7.5	2.360377	5.0	312037.0	0.314717	Y
6	ICIS 410-662998/2	12.5	3.691457	5.0	347333.0	0.295317	Y
7	IC 410-662998/4	20.0	5.793075	5.0	334363.0	0.289654	Y
8	IC 410-662998/3	30.0	9.718203	5.0	305415.0	0.32394	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

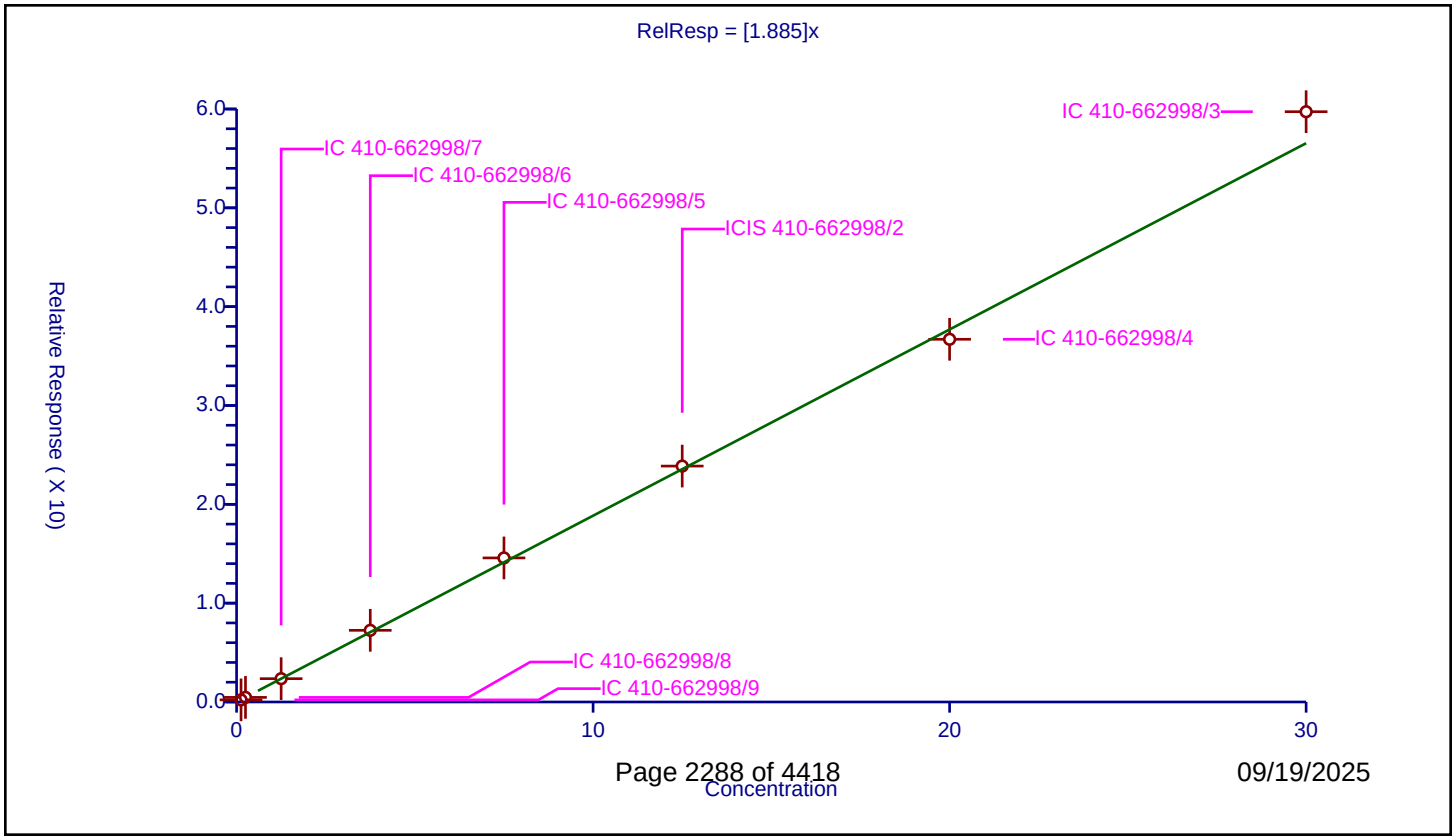
Curve Coefficients

Intercept:	0
Slope:	1.885

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.214218	5.0	305646.0	1.713747	Y
2	IC 410-662998/8	0.25	0.465678	5.0	309731.0	1.862713	Y
3	IC 410-662998/7	1.25	2.360061	5.0	299113.0	1.888049	Y
4	IC 410-662998/6	3.75	7.250695	5.0	319237.0	1.933519	Y
5	IC 410-662998/5	7.5	14.57606	5.0	312037.0	1.943475	Y
6	ICIS 410-662998/2	12.5	23.869673	5.0	347333.0	1.909574	Y
7	IC 410-662998/4	20.0	36.700173	5.0	334363.0	1.835009	Y
8	IC 410-662998/3	30.0	59.727404	5.0	305415.0	1.990913	Y



09/19/2025

Calibration / 3-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

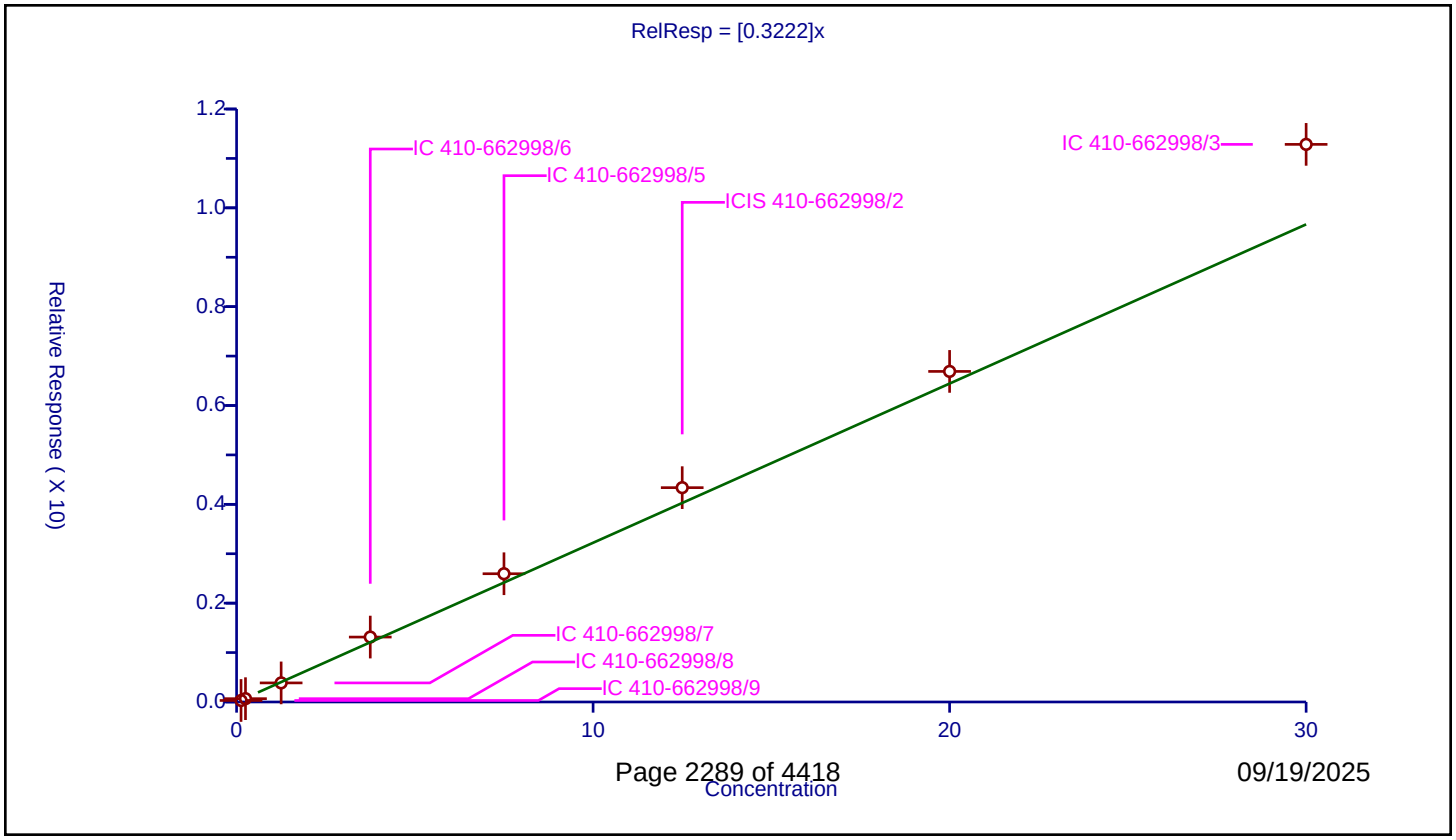
Curve Coefficients

Intercept:	0
Slope:	0.3222

Error Coefficients

Relative Standard Deviation:	13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.030656	5.0	305646.0	0.245251	Y
2	IC 410-662998/8	0.25	0.067268	5.0	309731.0	0.269072	Y
3	IC 410-662998/7	1.25	0.386359	5.0	299113.0	0.309087	Y
4	IC 410-662998/6	3.75	1.313945	5.0	319237.0	0.350385	Y
5	IC 410-662998/5	7.5	2.595253	5.0	312037.0	0.346034	Y
6	ICIS 410-662998/2	12.5	4.337696	5.0	347333.0	0.347016	Y
7	IC 410-662998/4	20.0	6.68972	5.0	334363.0	0.334486	Y
8	IC 410-662998/3	30.0	11.284498	5.0	305415.0	0.37615	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

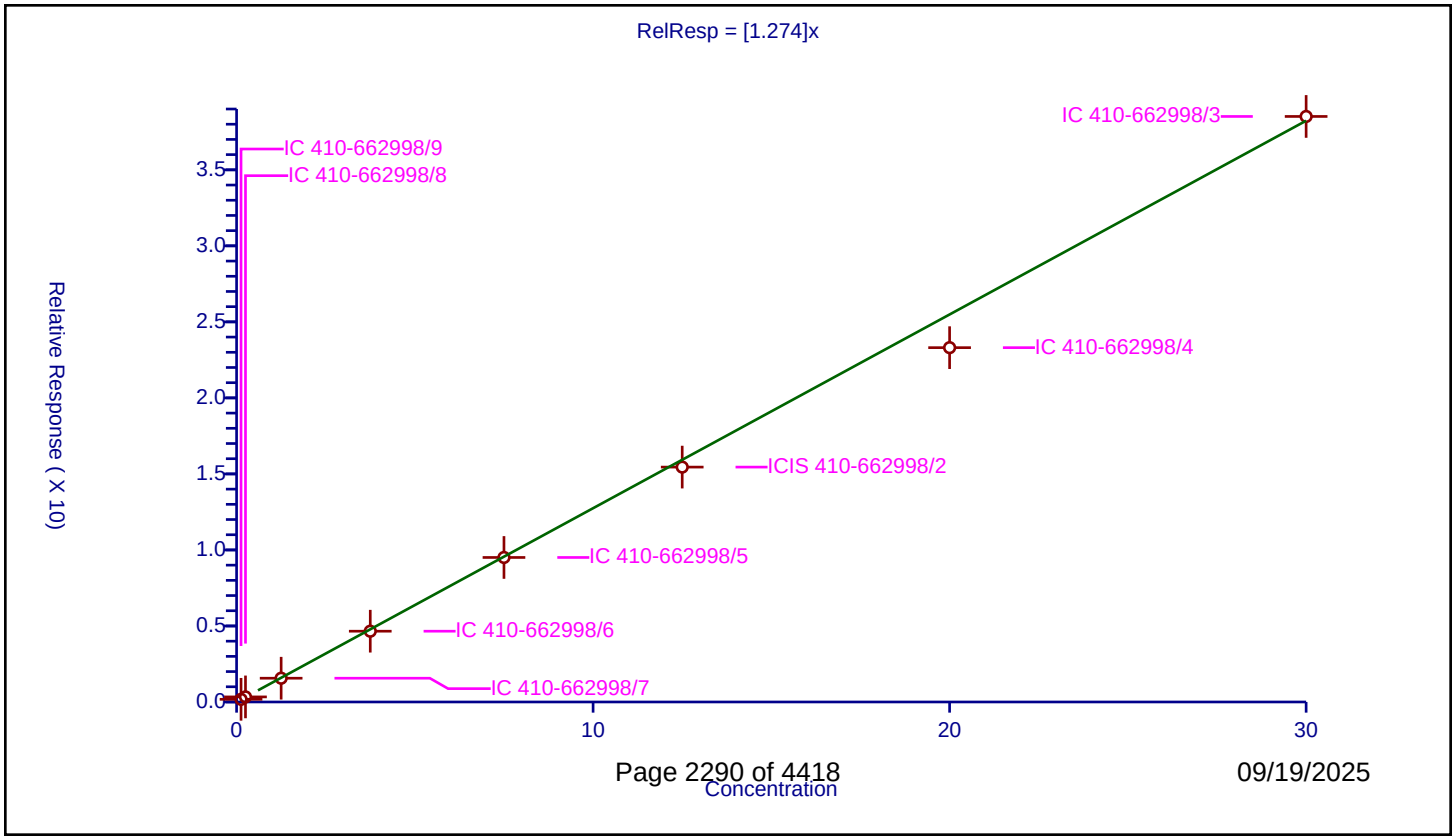
Curve Coefficients

Intercept:	0
Slope:	1.274

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.176888	5.0	305646.0	1.415101	Y
2	IC 410-662998/8	0.25	0.333757	5.0	309731.0	1.335029	Y
3	IC 410-662998/7	1.25	1.563623	5.0	299113.0	1.250898	Y
4	IC 410-662998/6	3.75	4.656133	5.0	319237.0	1.241636	Y
5	IC 410-662998/5	7.5	9.504274	5.0	312037.0	1.267236	Y
6	ICIS 410-662998/2	12.5	15.449785	5.0	347333.0	1.235983	Y
7	IC 410-662998/4	20.0	23.304119	5.0	334363.0	1.165206	Y
8	IC 410-662998/3	30.0	38.510207	5.0	305415.0	1.283674	Y



Calibration / 2,4-Dinitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

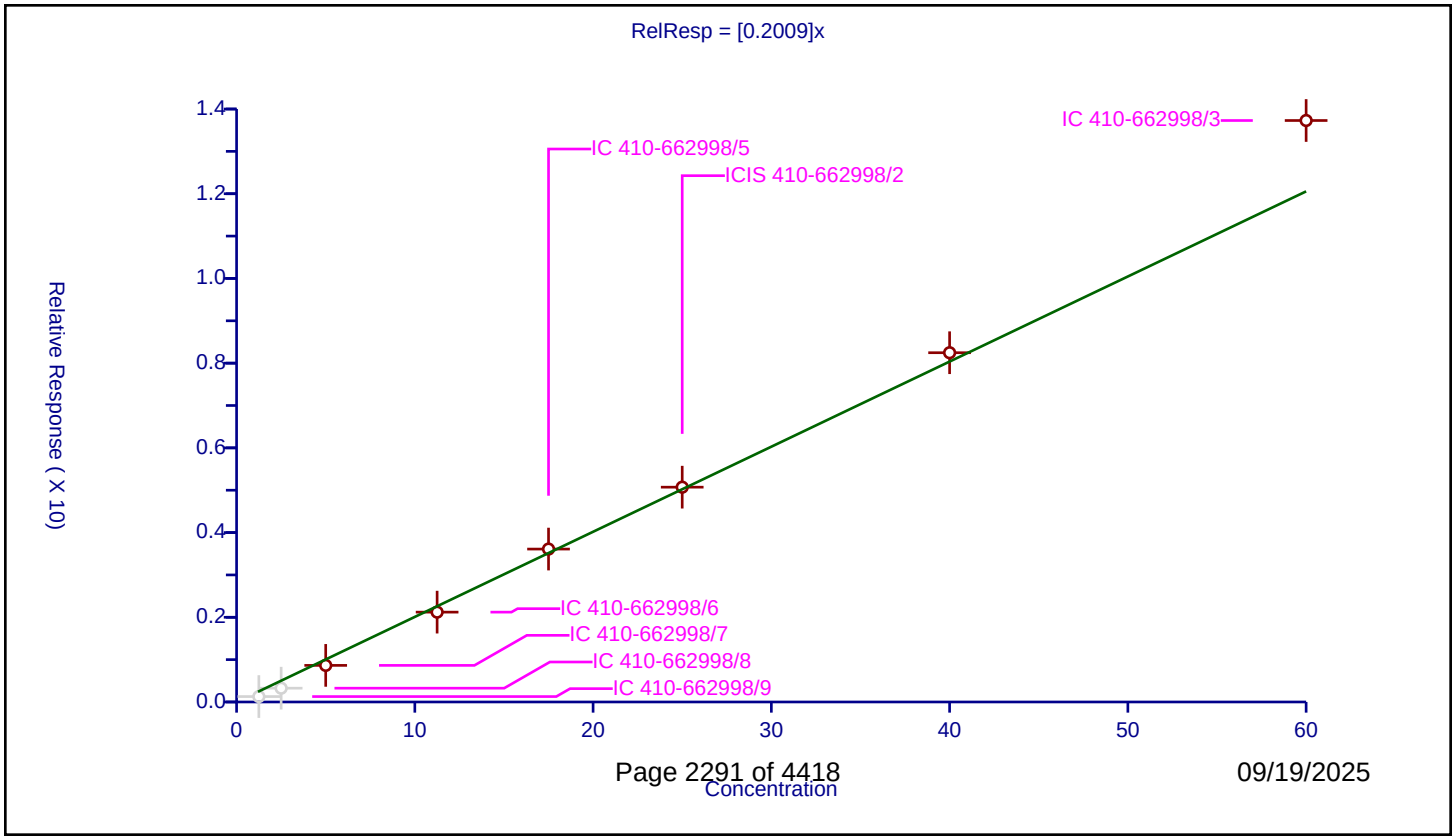
Curve Coefficients

Intercept:	0
Slope:	0.2009

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	1.25	0.127893	5.0	305646.0	0.102314	N
2	IC 410-662998/8	2.5	0.325912	5.0	309731.0	0.130365	N
3	IC 410-662998/7	5.0	0.864021	5.0	299113.0	0.172804	Y
4	IC 410-662998/6	11.25	2.121449	5.0	319237.0	0.188573	Y
5	IC 410-662998/5	17.5	3.610694	5.0	312037.0	0.206325	Y
6	ICIS 410-662998/2	25.0	5.071444	5.0	347333.0	0.202858	Y
7	IC 410-662998/4	40.0	8.245859	5.0	334363.0	0.206146	Y
8	IC 410-662998/3	60.0	13.728664	5.0	305415.0	0.228811	Y



Calibration / Pentachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

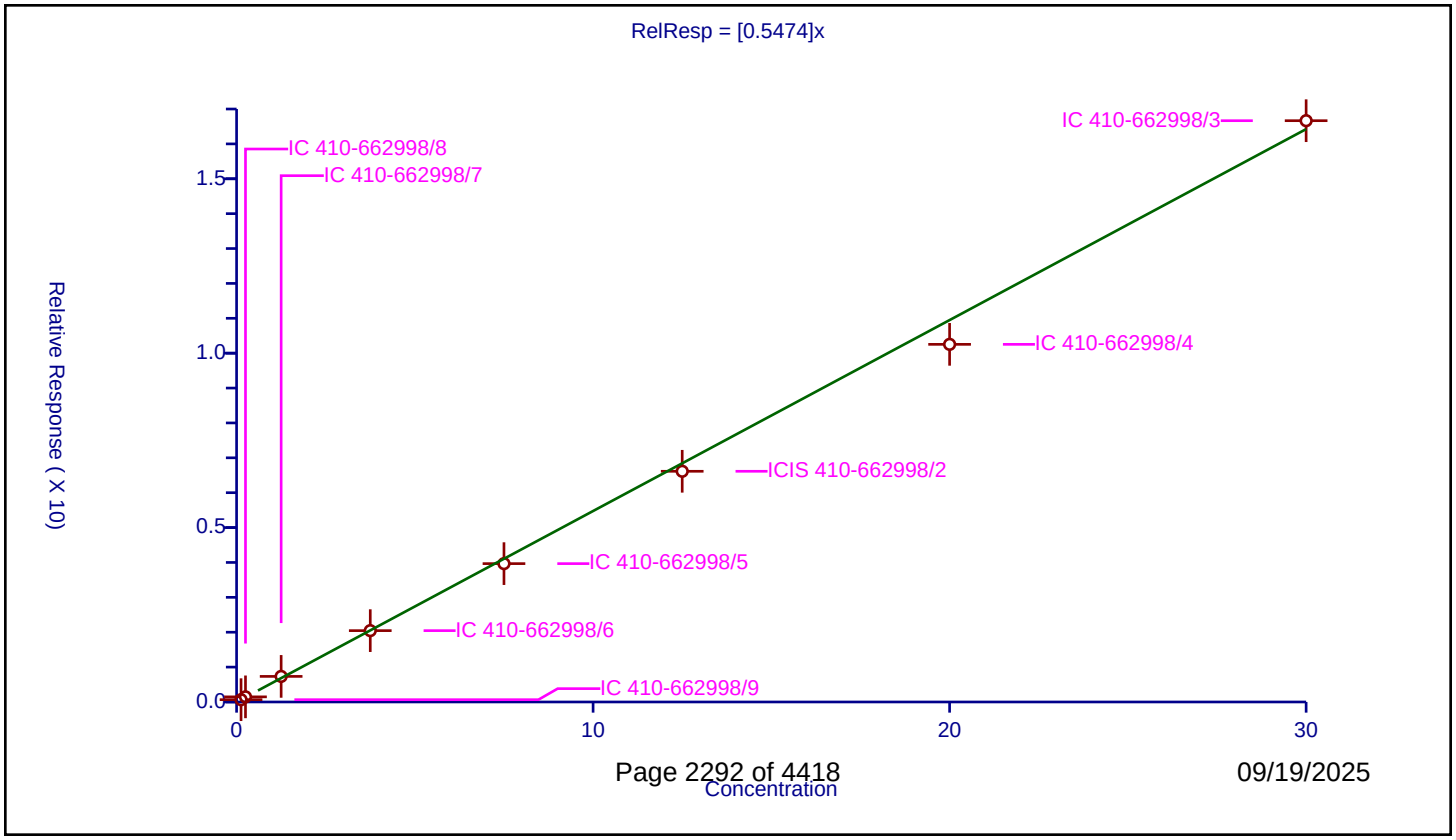
Curve Coefficients

Intercept:	0
Slope:	0.5474

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.066449	5.0	305646.0	0.531595	Y
2	IC 410-662998/8	0.25	0.147386	5.0	309731.0	0.589544	Y
3	IC 410-662998/7	1.25	0.733552	5.0	299113.0	0.586842	Y
4	IC 410-662998/6	3.75	2.04533	5.0	319237.0	0.545421	Y
5	IC 410-662998/5	7.5	3.966757	5.0	312037.0	0.528901	Y
6	ICIS 410-662998/2	12.5	6.613884	5.0	347333.0	0.529111	Y
7	IC 410-662998/4	20.0	10.253153	5.0	334363.0	0.512658	Y
8	IC 410-662998/3	30.0	16.665341	5.0	305415.0	0.555511	Y



Calibration / 4-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

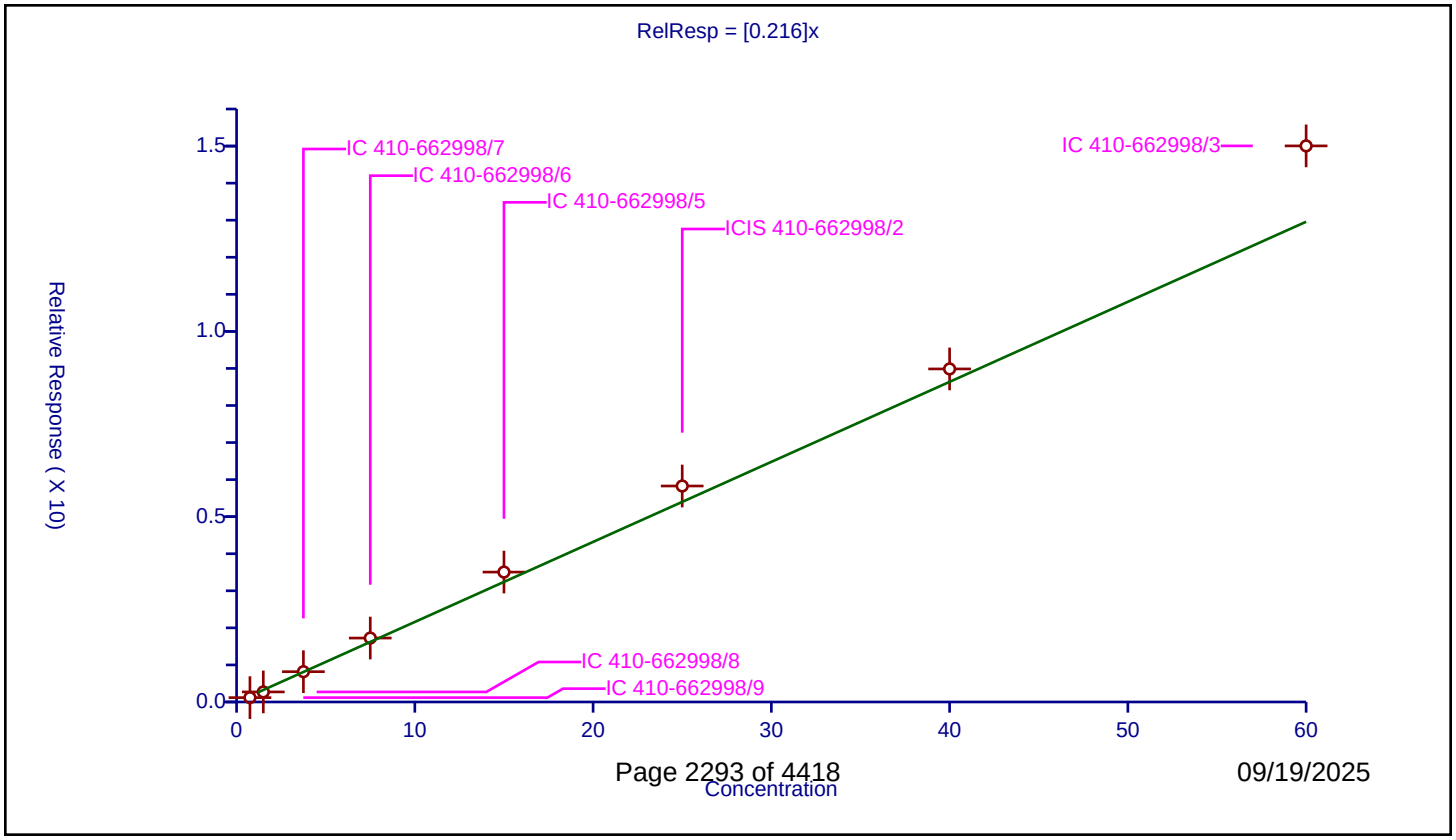
Curve Coefficients

Intercept:	0
Slope:	0.216

Error Coefficients

Relative Standard Deviation:	14.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.75	0.117685	5.0	305646.0	0.156914	Y
2	IC 410-662998/8	1.5	0.271752	5.0	309731.0	0.181168	Y
3	IC 410-662998/7	3.75	0.817718	5.0	299113.0	0.218058	Y
4	IC 410-662998/6	7.5	1.724988	5.0	319237.0	0.229998	Y
5	IC 410-662998/5	15.0	3.505578	5.0	312037.0	0.233705	Y
6	ICIS 410-662998/2	25.0	5.827534	5.0	347333.0	0.233101	Y
7	IC 410-662998/4	40.0	8.98688	5.0	334363.0	0.224672	Y
8	IC 410-662998/3	60.0	15.004617	5.0	305415.0	0.250077	Y



Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

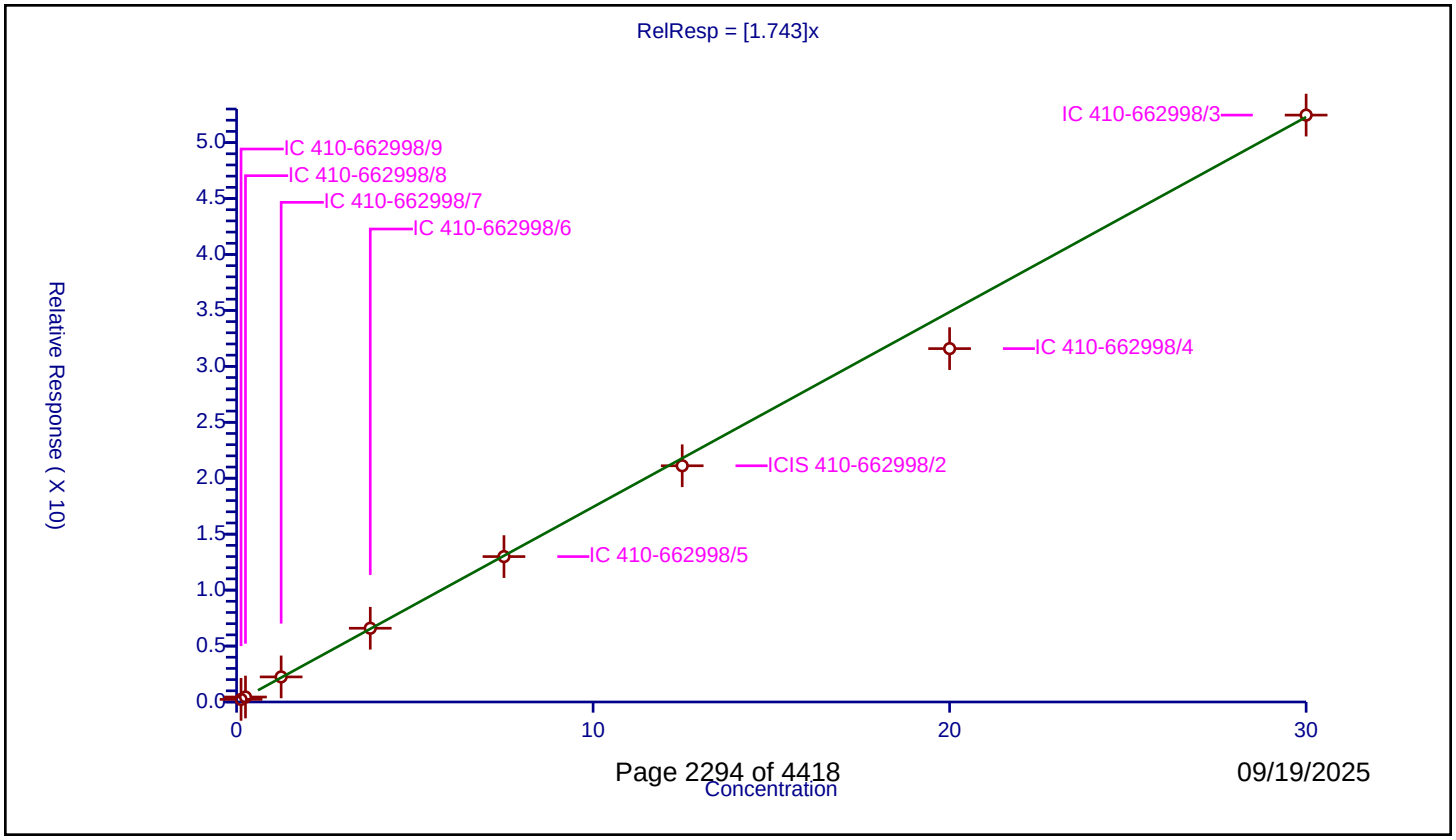
Curve Coefficients

Intercept:	0
Slope:	1.743

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.232704	5.0	305646.0	1.861631	Y
2	IC 410-662998/8	0.25	0.444773	5.0	309731.0	1.779092	Y
3	IC 410-662998/7	1.25	2.242413	5.0	299113.0	1.793931	Y
4	IC 410-662998/6	3.75	6.591467	5.0	319237.0	1.757724	Y
5	IC 410-662998/5	7.5	12.995783	5.0	312037.0	1.732771	Y
6	ICIS 410-662998/2	12.5	21.113326	5.0	347333.0	1.689066	Y
7	IC 410-662998/4	20.0	31.583698	5.0	334363.0	1.579185	Y
8	IC 410-662998/3	30.0	52.457509	5.0	305415.0	1.748584	Y



09/19/2025

Calibration / 2,4-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

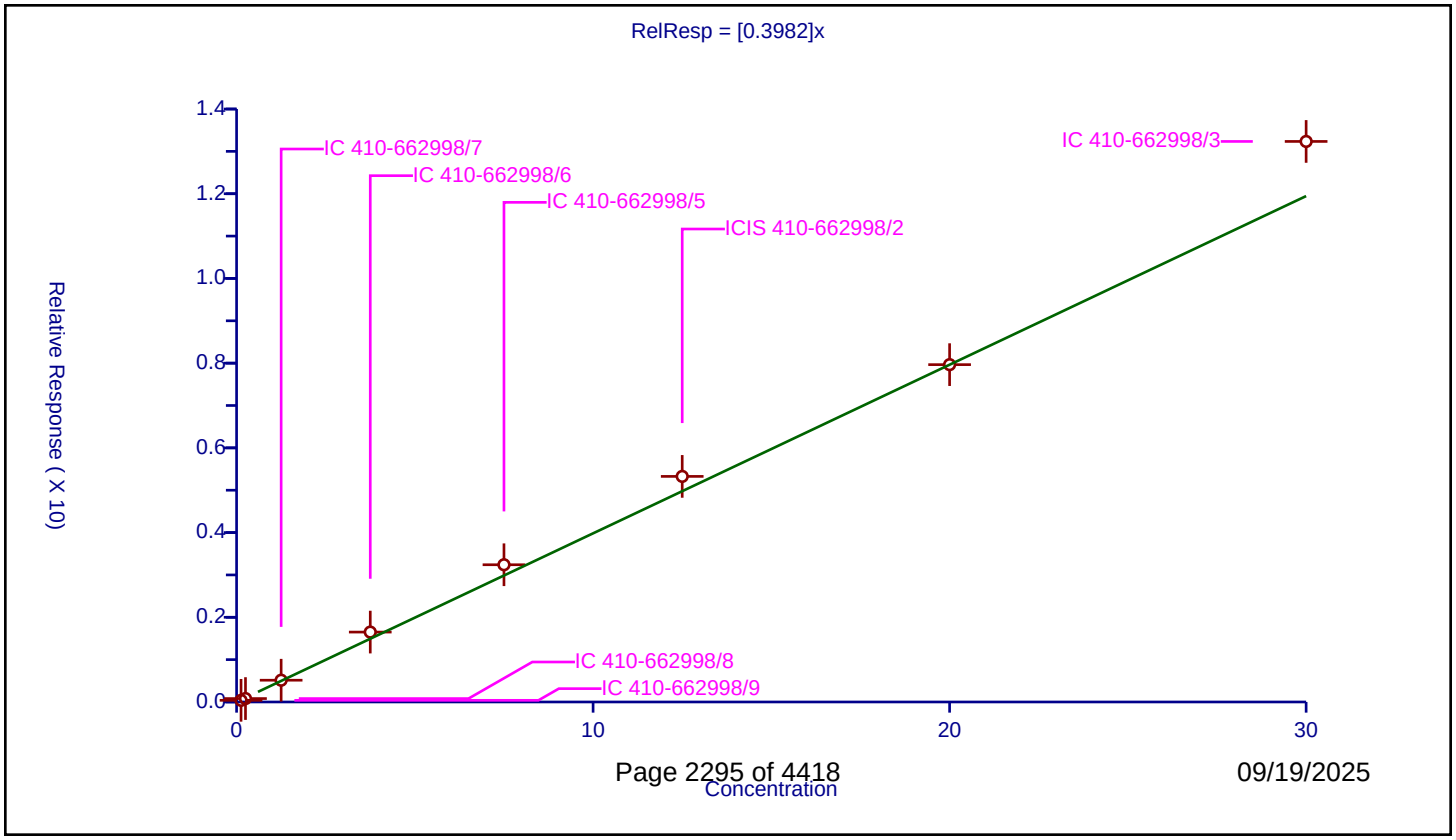
Curve Coefficients

Intercept:	0
Slope:	0.3982

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.039081	5.0	305646.0	0.312649	Y
2	IC 410-662998/8	0.25	0.080877	5.0	309731.0	0.323507	Y
3	IC 410-662998/7	1.25	0.514354	5.0	299113.0	0.411483	Y
4	IC 410-662998/6	3.75	1.650341	5.0	319237.0	0.440091	Y
5	IC 410-662998/5	7.5	3.240289	5.0	312037.0	0.432039	Y
6	ICIS 410-662998/2	12.5	5.326114	5.0	347333.0	0.426089	Y
7	IC 410-662998/4	20.0	7.964697	5.0	334363.0	0.398235	Y
8	IC 410-662998/3	30.0	13.234582	5.0	305415.0	0.441153	Y



Calibration / 1-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

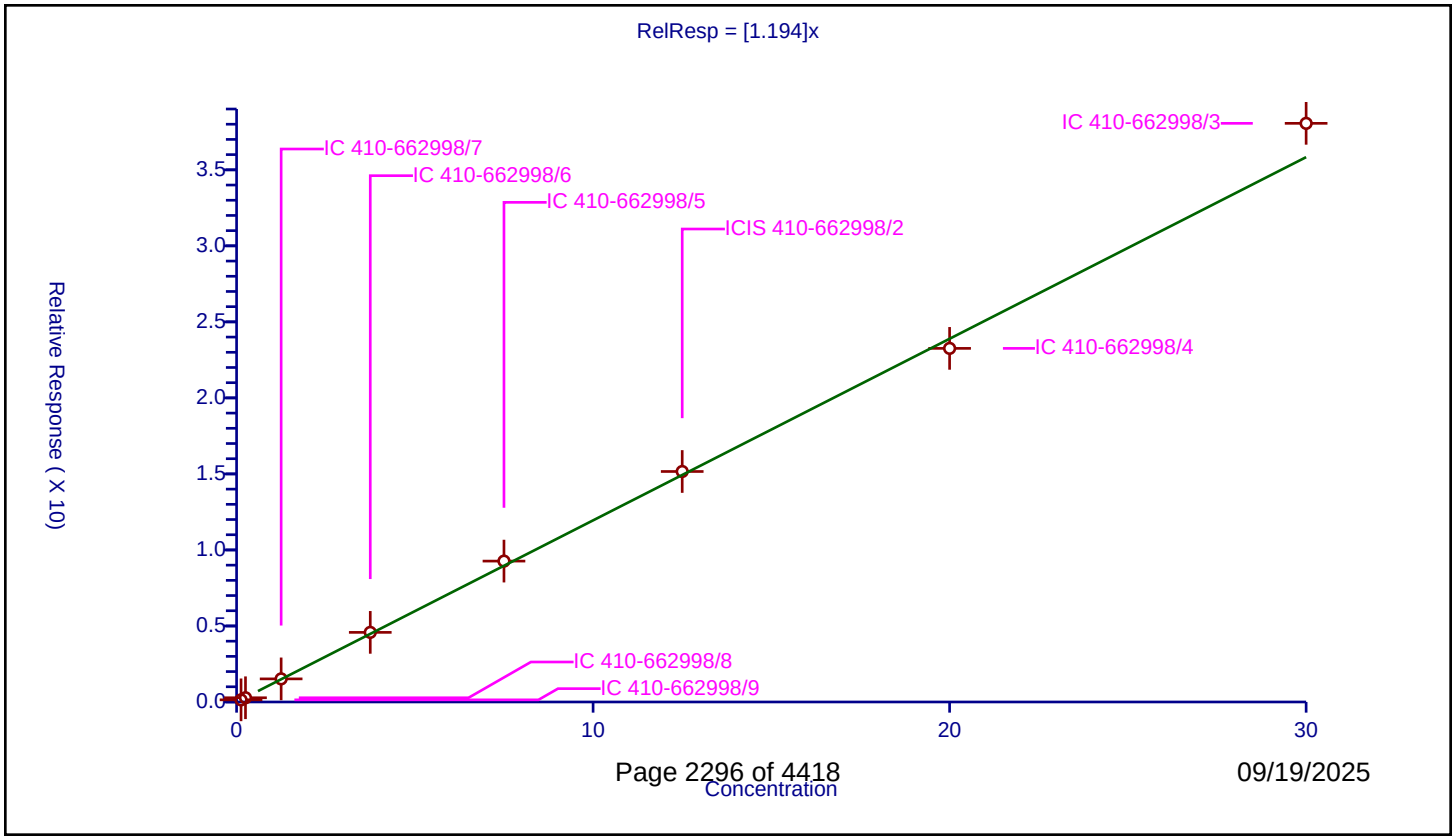
Curve Coefficients

Intercept:	0
Slope:	1.194

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.140996	5.0	305646.0	1.127972	Y
2	IC 410-662998/8	0.25	0.277741	5.0	309731.0	1.110964	Y
3	IC 410-662998/7	1.25	1.520278	5.0	299113.0	1.216223	Y
4	IC 410-662998/6	3.75	4.578417	5.0	319237.0	1.220911	Y
5	IC 410-662998/5	7.5	9.265776	5.0	312037.0	1.235437	Y
6	ICIS 410-662998/2	12.5	15.160451	5.0	347333.0	1.212836	Y
7	IC 410-662998/4	20.0	23.257866	5.0	334363.0	1.162893	Y
8	IC 410-662998/3	30.0	38.057283	5.0	305415.0	1.268576	Y



Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

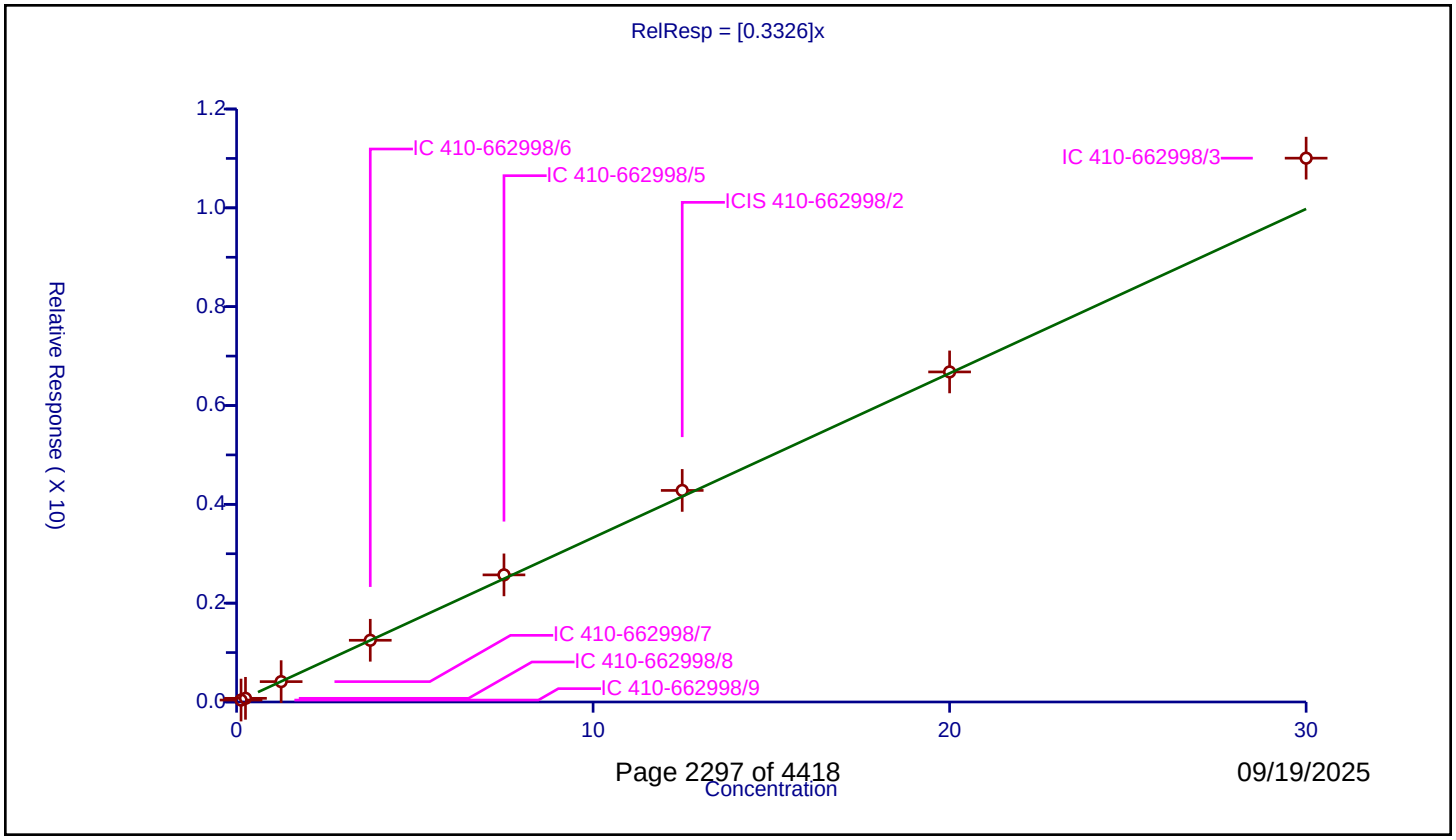
Curve Coefficients

Intercept:	0
Slope:	0.3326

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.039245	5.0	305646.0	0.313958	Y
2	IC 410-662998/8	0.25	0.074436	5.0	309731.0	0.297742	Y
3	IC 410-662998/7	1.25	0.412135	5.0	299113.0	0.329708	Y
4	IC 410-662998/6	3.75	1.249009	5.0	319237.0	0.333069	Y
5	IC 410-662998/5	7.5	2.572355	5.0	312037.0	0.342981	Y
6	ICIS 410-662998/2	12.5	4.281338	5.0	347333.0	0.342507	Y
7	IC 410-662998/4	20.0	6.679657	5.0	334363.0	0.333983	Y
8	IC 410-662998/3	30.0	11.005452	5.0	305415.0	0.366848	Y



Calibration / 2-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

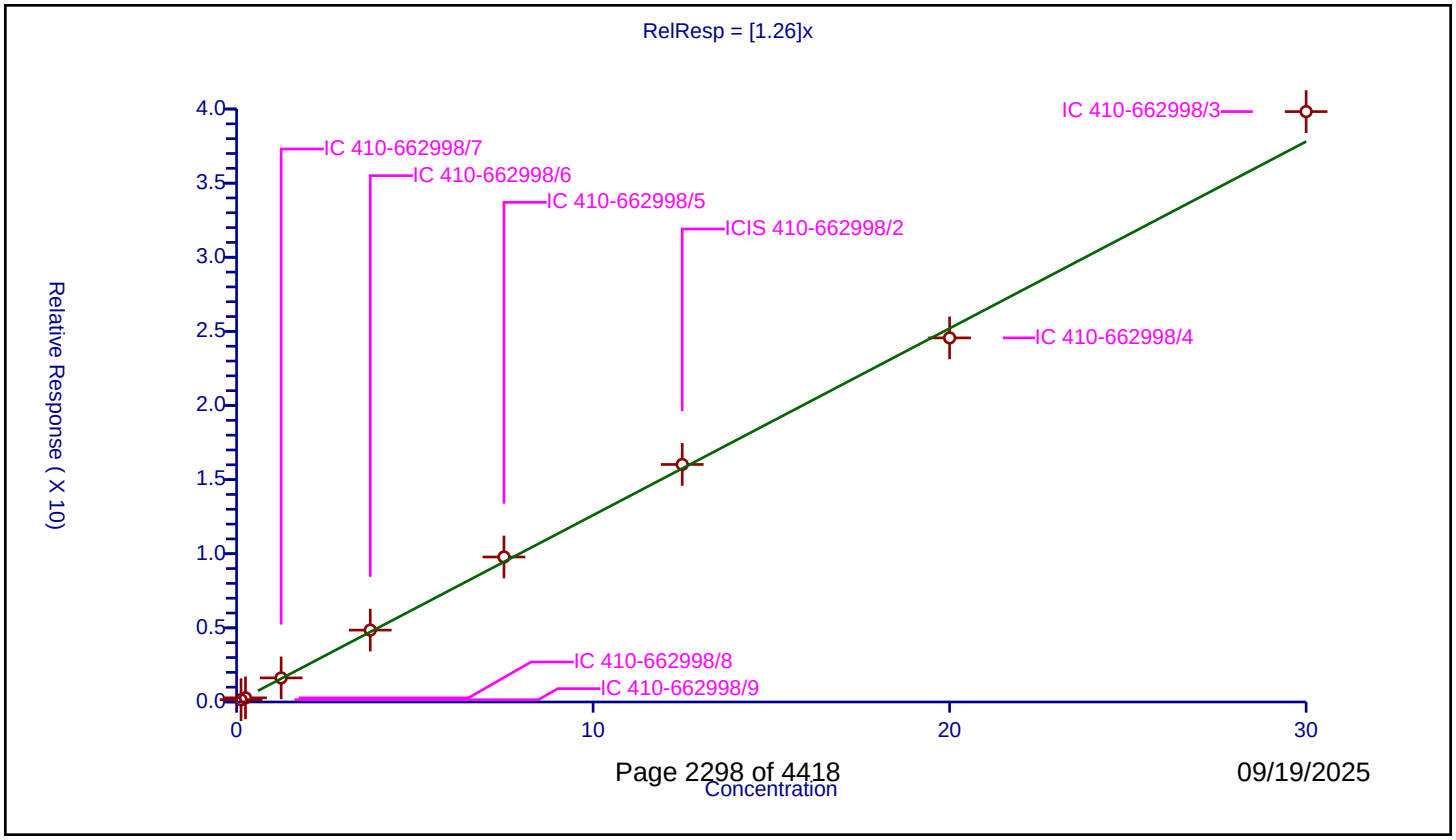
Curve Coefficients

Intercept:	0
Slope:	1.26

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.153118	5.0	305646.0	1.224947	Y
2	IC 410-662998/8	0.25	0.280453	5.0	309731.0	1.121812	Y
3	IC 410-662998/7	1.25	1.625255	5.0	299113.0	1.300204	Y
4	IC 410-662998/6	3.75	4.848545	5.0	319237.0	1.292945	Y
5	IC 410-662998/5	7.5	9.780523	5.0	312037.0	1.30407	Y
6	ICIS 410-662998/2	12.5	16.022808	5.0	347333.0	1.281825	Y
7	IC 410-662998/4	20.0	24.560523	5.0	334363.0	1.228026	Y
8	IC 410-662998/3	30.0	39.825598	5.0	305415.0	1.32752	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

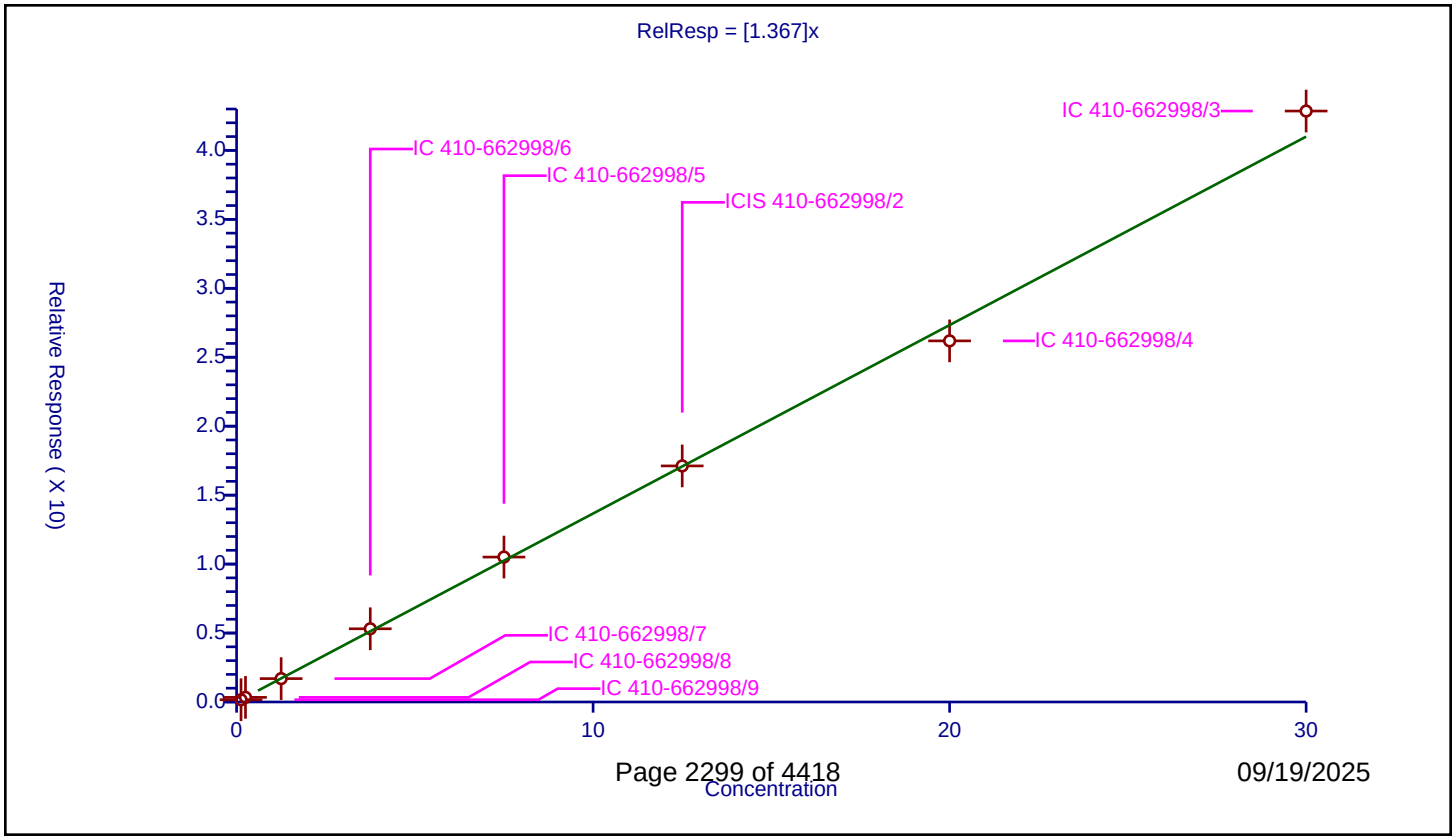
Curve Coefficients

Intercept:	0
Slope:	1.367

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.163424	5.0	305646.0	1.307395	Y
2	IC 410-662998/8	0.25	0.336227	5.0	309731.0	1.344909	Y
3	IC 410-662998/7	1.25	1.694727	5.0	299113.0	1.355782	Y
4	IC 410-662998/6	3.75	5.308533	5.0	319237.0	1.415609	Y
5	IC 410-662998/5	7.5	10.508914	5.0	312037.0	1.401189	Y
6	ICIS 410-662998/2	12.5	17.119436	5.0	347333.0	1.369555	Y
7	IC 410-662998/4	20.0	26.186181	5.0	334363.0	1.309309	Y
8	IC 410-662998/3	30.0	42.853036	5.0	305415.0	1.428435	Y



Calibration / Thionazin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

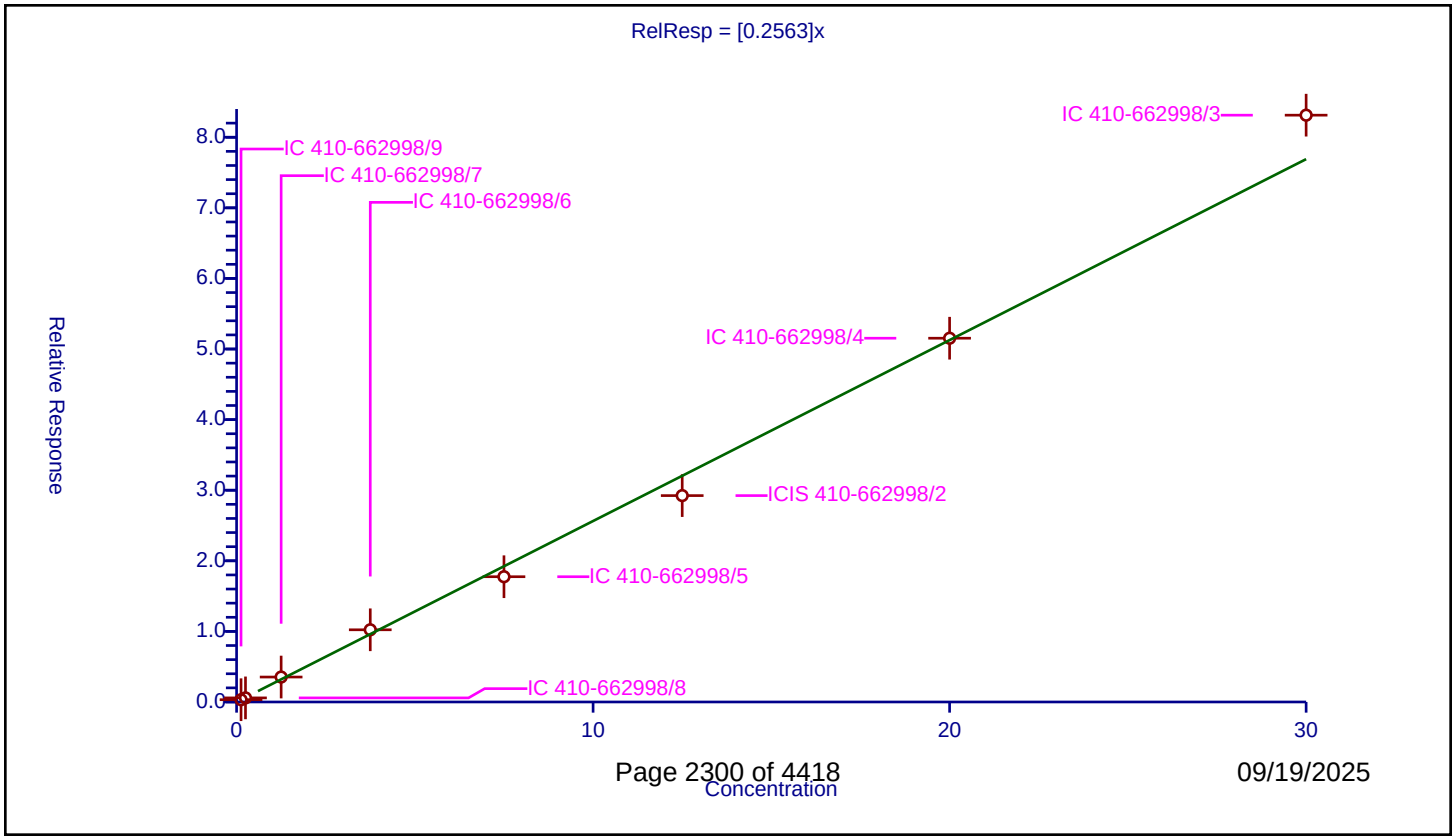
Curve Coefficients

Intercept:	0
Slope:	0.2563

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.03221	5.0	305646.0	0.257684	Y
2	IC 410-662998/8	0.25	0.058018	5.0	309731.0	0.232072	Y
3	IC 410-662998/7	1.25	0.353529	5.0	299113.0	0.282823	Y
4	IC 410-662998/6	3.75	1.022939	5.0	319237.0	0.272784	Y
5	IC 410-662998/5	7.5	1.774357	5.0	312037.0	0.236581	Y
6	ICIS 410-662998/2	12.5	2.923837	5.0	347333.0	0.233907	Y
7	IC 410-662998/4	20.0	5.153172	5.0	334363.0	0.257659	Y
8	IC 410-662998/3	30.0	8.31282	5.0	305415.0	0.277094	Y



Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

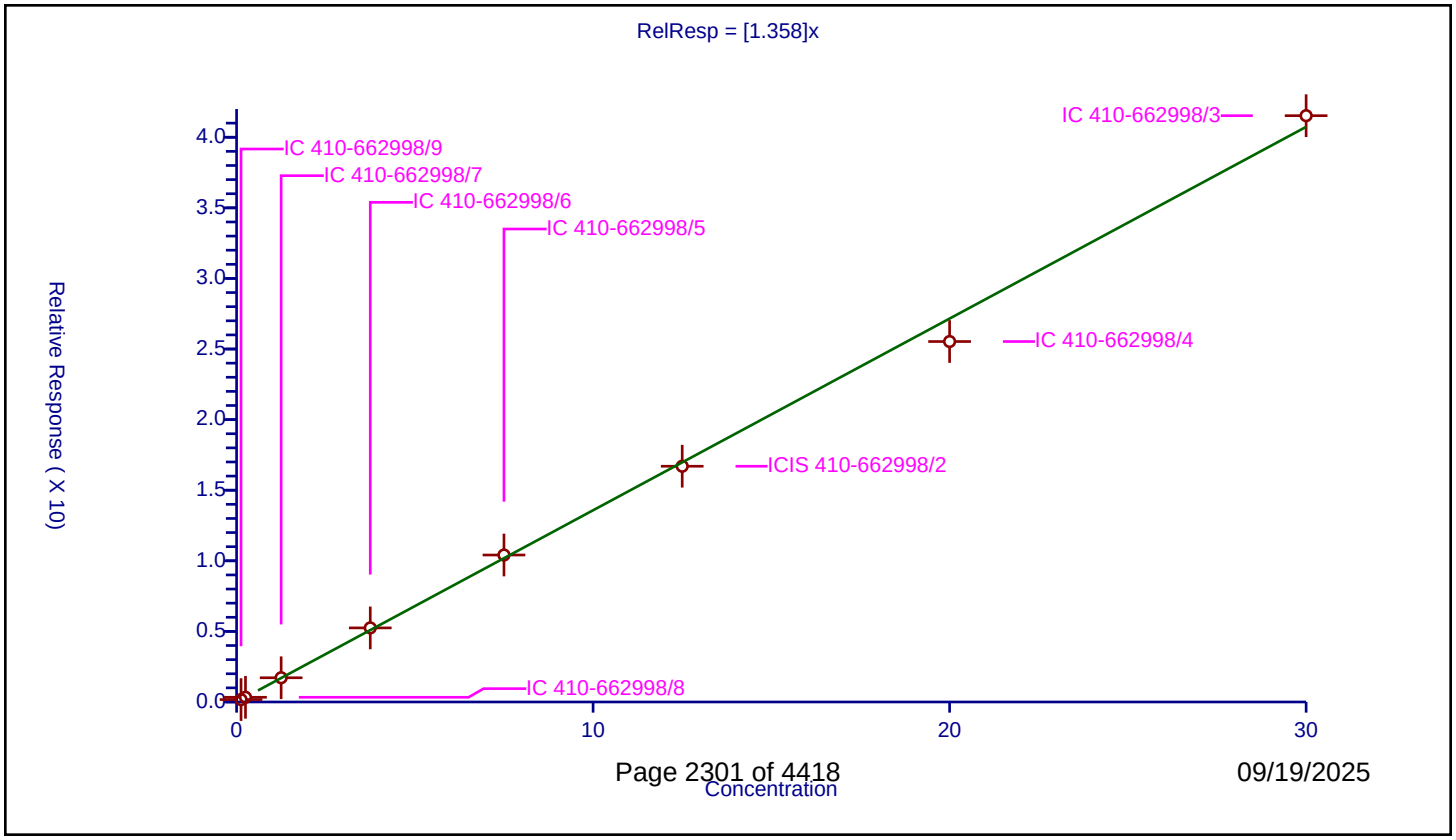
Curve Coefficients

Intercept:	0
Slope:	1.358

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.171489	5.0	305646.0	1.371914	Y
2	IC 410-662998/8	0.25	0.333451	5.0	309731.0	1.333803	Y
3	IC 410-662998/7	1.25	1.716091	5.0	299113.0	1.372872	Y
4	IC 410-662998/6	3.75	5.247136	5.0	319237.0	1.399236	Y
5	IC 410-662998/5	7.5	10.410833	5.0	312037.0	1.388111	Y
6	ICIS 410-662998/2	12.5	16.698125	5.0	347333.0	1.33585	Y
7	IC 410-662998/4	20.0	25.531548	5.0	334363.0	1.276577	Y
8	IC 410-662998/3	30.0	41.527201	5.0	305415.0	1.38424	Y



Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

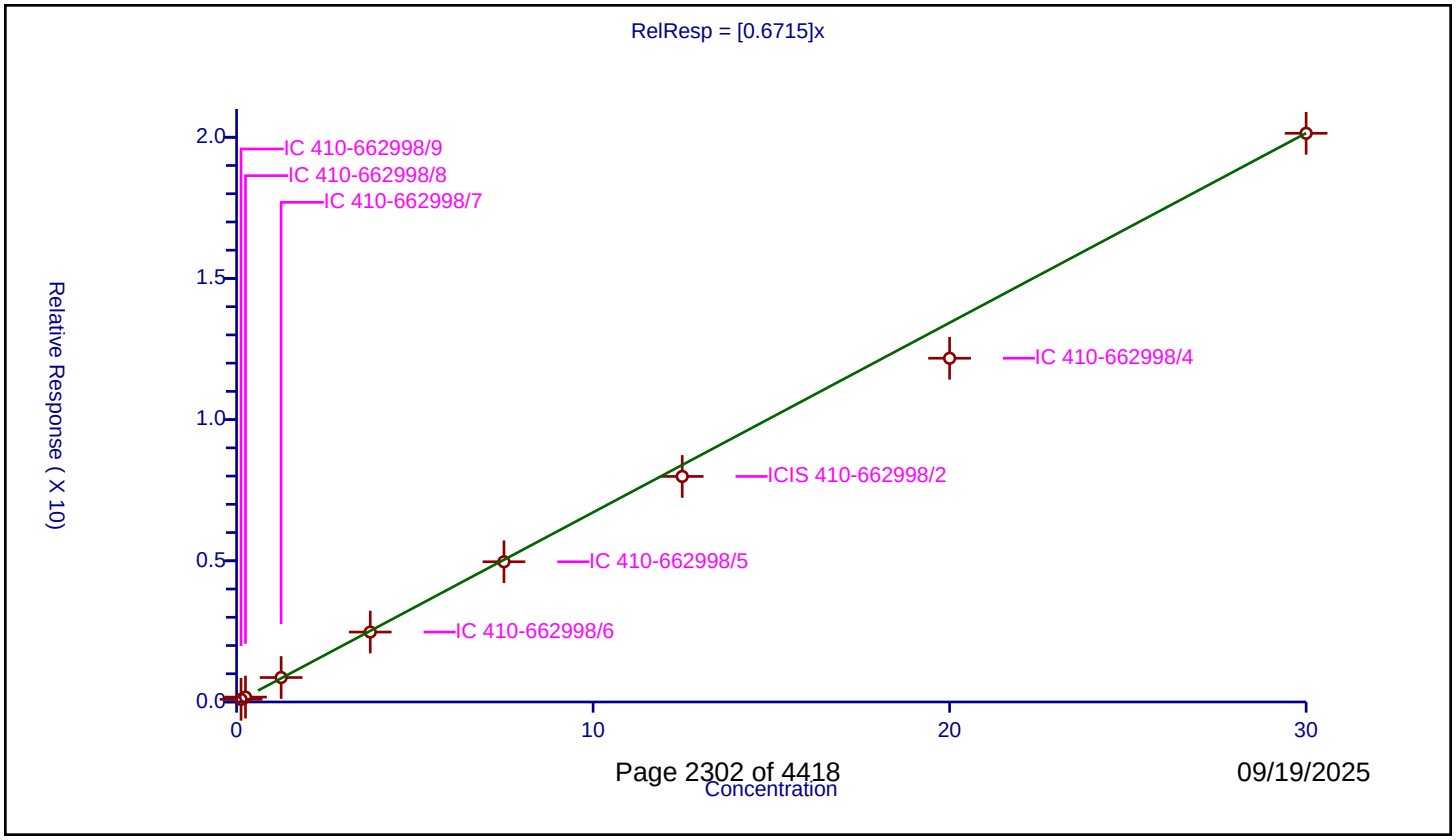
Curve Coefficients

Intercept:	0
Slope:	0.6715

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.092967	5.0	305646.0	0.743736	Y
2	IC 410-662998/8	0.25	0.173392	5.0	309731.0	0.69357	Y
3	IC 410-662998/7	1.25	0.866796	5.0	299113.0	0.693437	Y
4	IC 410-662998/6	3.75	2.476561	5.0	319237.0	0.660416	Y
5	IC 410-662998/5	7.5	4.965805	5.0	312037.0	0.662107	Y
6	ICIS 410-662998/2	12.5	7.987695	5.0	347333.0	0.639016	Y
7	IC 410-662998/4	20.0	12.173865	5.0	334363.0	0.608693	Y
8	IC 410-662998/3	30.0	20.140317	5.0	305415.0	0.671344	Y



Calibration / N-Nitro-o-toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

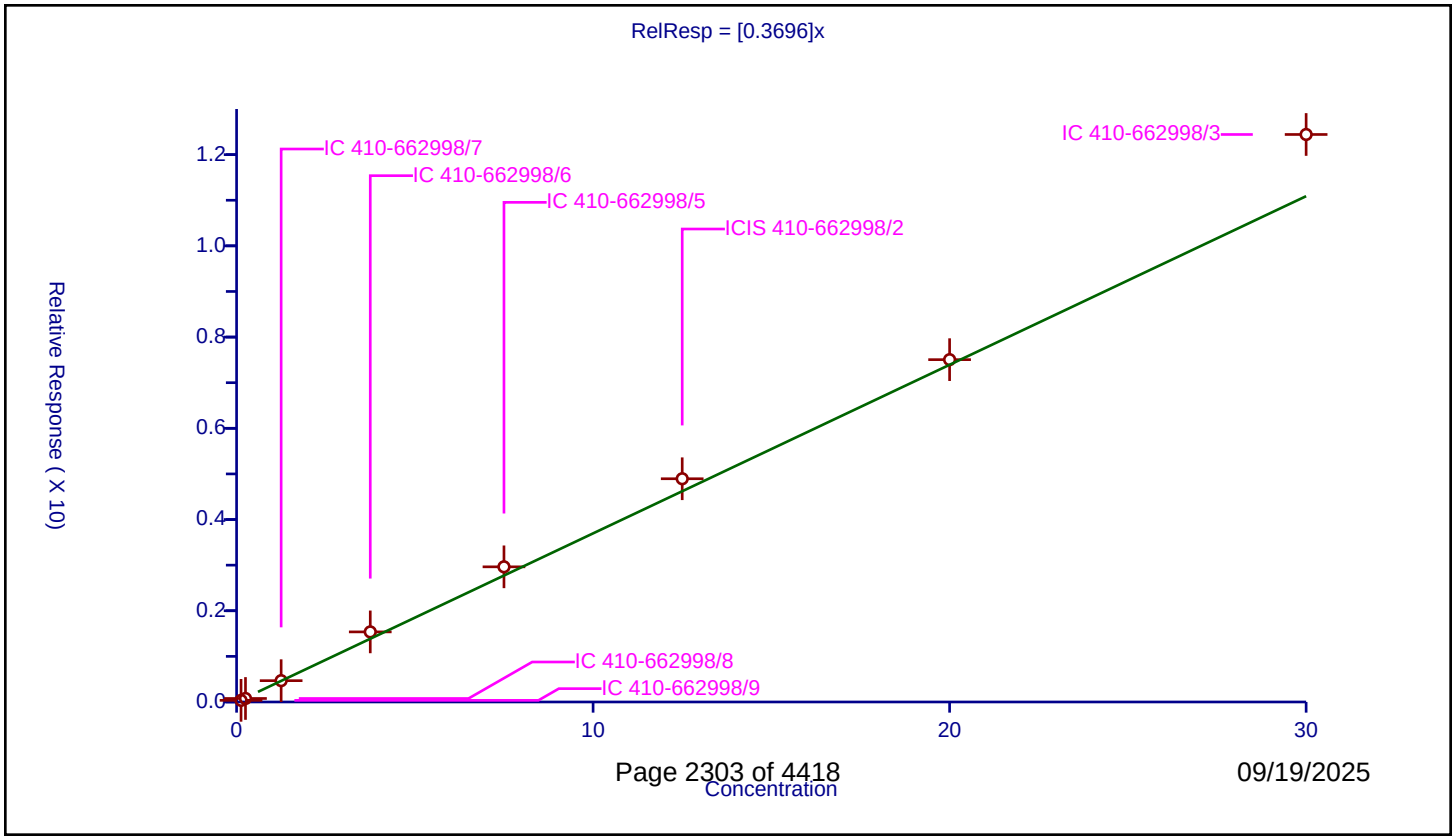
Curve Coefficients

Intercept:	0
Slope:	0.3696

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.036218	5.0	305646.0	0.289747	Y
2	IC 410-662998/8	0.25	0.076792	5.0	309731.0	0.30717	Y
3	IC 410-662998/7	1.25	0.467248	5.0	299113.0	0.373799	Y
4	IC 410-662998/6	3.75	1.536633	5.0	319237.0	0.409769	Y
5	IC 410-662998/5	7.5	2.963383	5.0	312037.0	0.395118	Y
6	ICIS 410-662998/2	12.5	4.894093	5.0	347333.0	0.391527	Y
7	IC 410-662998/4	20.0	7.504927	5.0	334363.0	0.375246	Y
8	IC 410-662998/3	30.0	12.441432	5.0	305415.0	0.414714	Y



Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

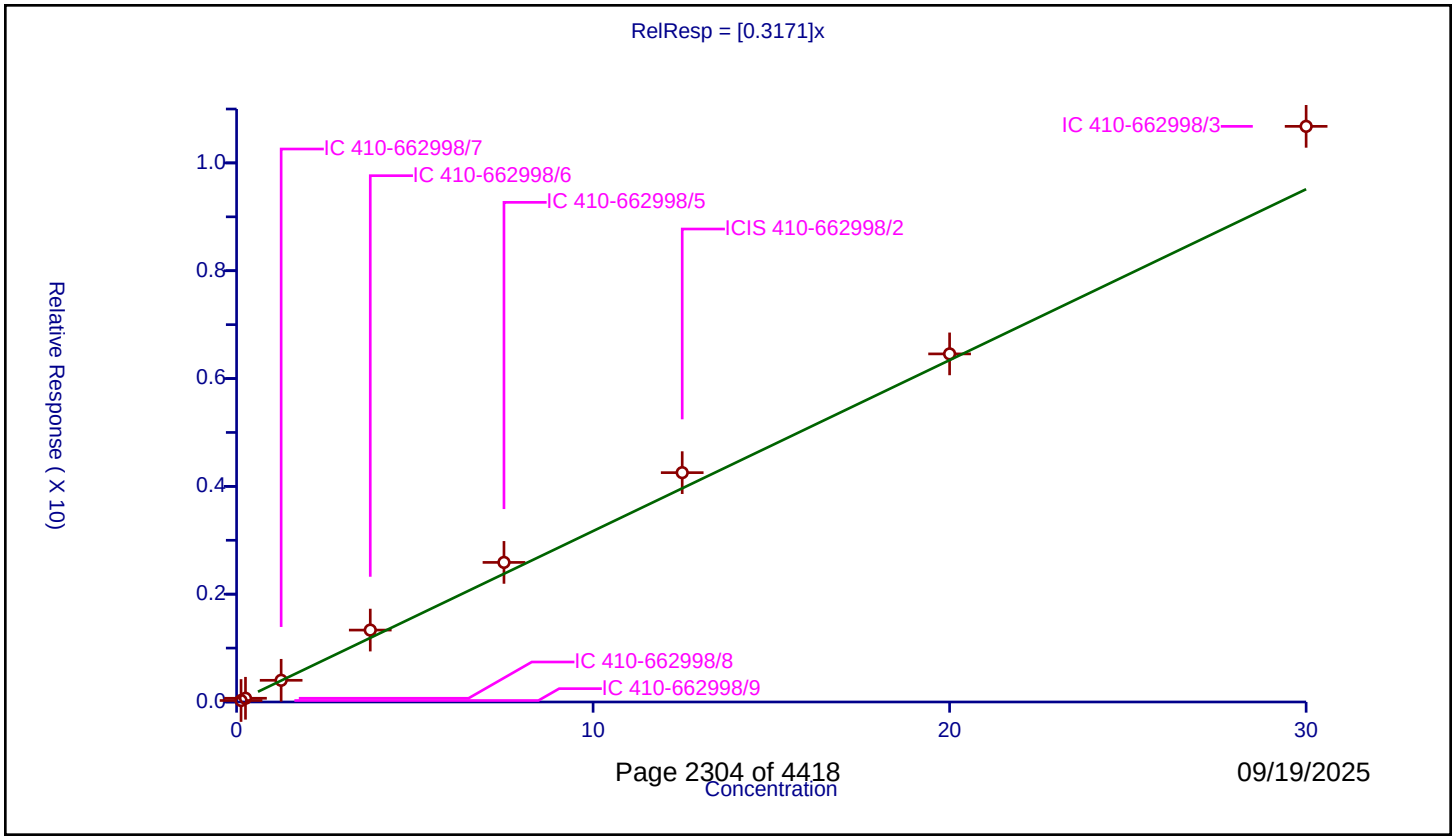
Curve Coefficients

Intercept:	0
Slope:	0.3171

Error Coefficients

Relative Standard Deviation:	15.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.027254	5.0	305646.0	0.21803	Y
2	IC 410-662998/8	0.25	0.069173	5.0	309731.0	0.276692	Y
3	IC 410-662998/7	1.25	0.402206	5.0	299113.0	0.321765	Y
4	IC 410-662998/6	3.75	1.33404	5.0	319237.0	0.355744	Y
5	IC 410-662998/5	7.5	2.589469	5.0	312037.0	0.345262	Y
6	ICIS 410-662998/2	12.5	4.254404	5.0	347333.0	0.340352	Y
7	IC 410-662998/4	20.0	6.457563	5.0	334363.0	0.322878	Y
8	IC 410-662998/3	30.0	10.678683	5.0	305415.0	0.355956	Y



Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

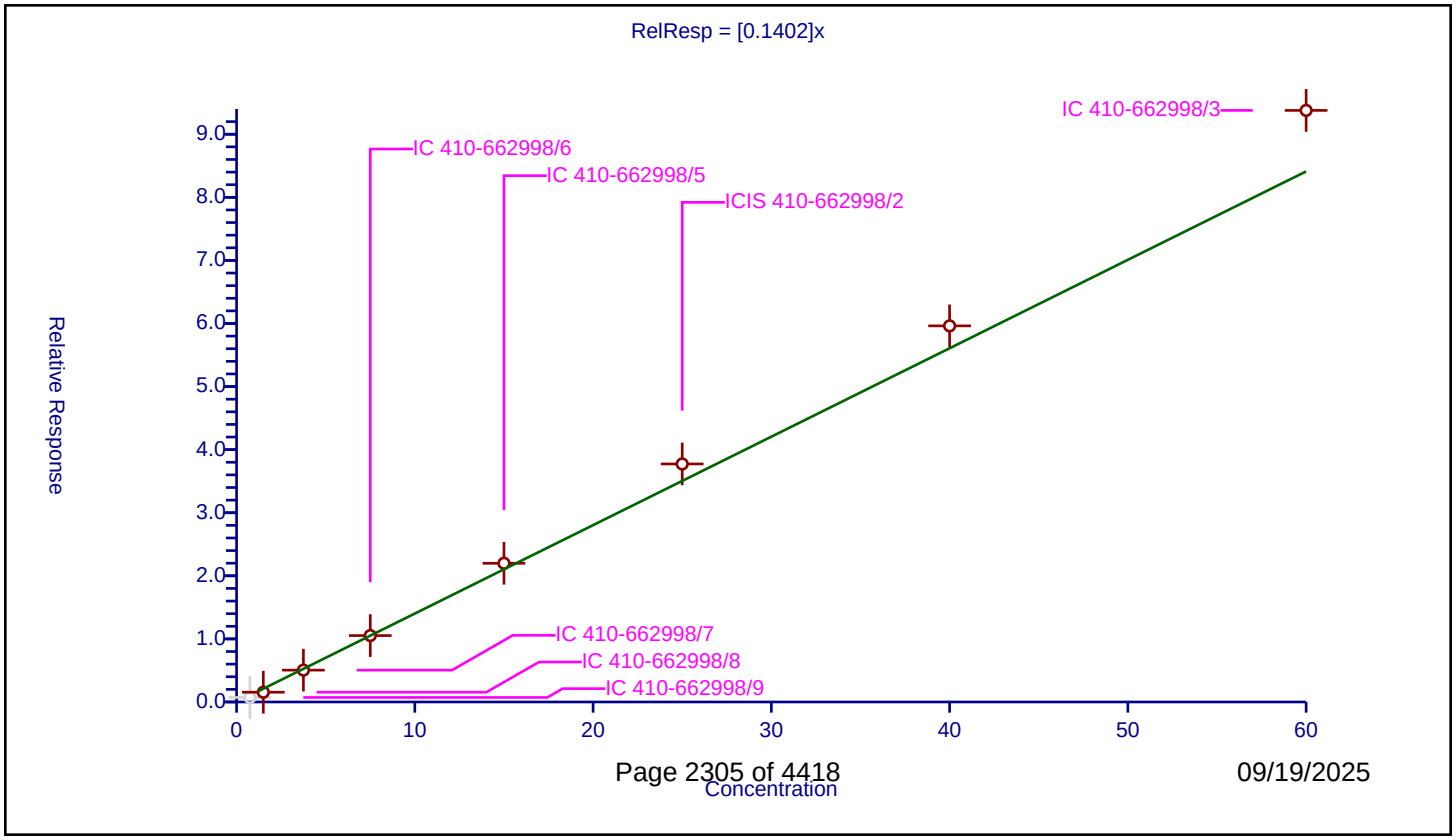
Curve Coefficients

Intercept:	0
Slope:	0.1402

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.75	0.072079	5.0	551135.0	0.096105	N
2	IC 410-662998/8	1.5	0.154965	5.0	563934.0	0.10331	Y
3	IC 410-662998/7	3.75	0.505113	5.0	540226.0	0.134697	Y
4	IC 410-662998/6	7.5	1.052919	5.0	571283.0	0.140389	Y
5	IC 410-662998/5	15.0	2.198902	5.0	559909.0	0.146593	Y
6	ICIS 410-662998/2	25.0	3.773172	5.0	602020.0	0.150927	Y
7	IC 410-662998/4	40.0	5.962334	5.0	561297.0	0.149058	Y
8	IC 410-662998/3	60.0	9.377992	5.0	543916.0	0.1563	Y



Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

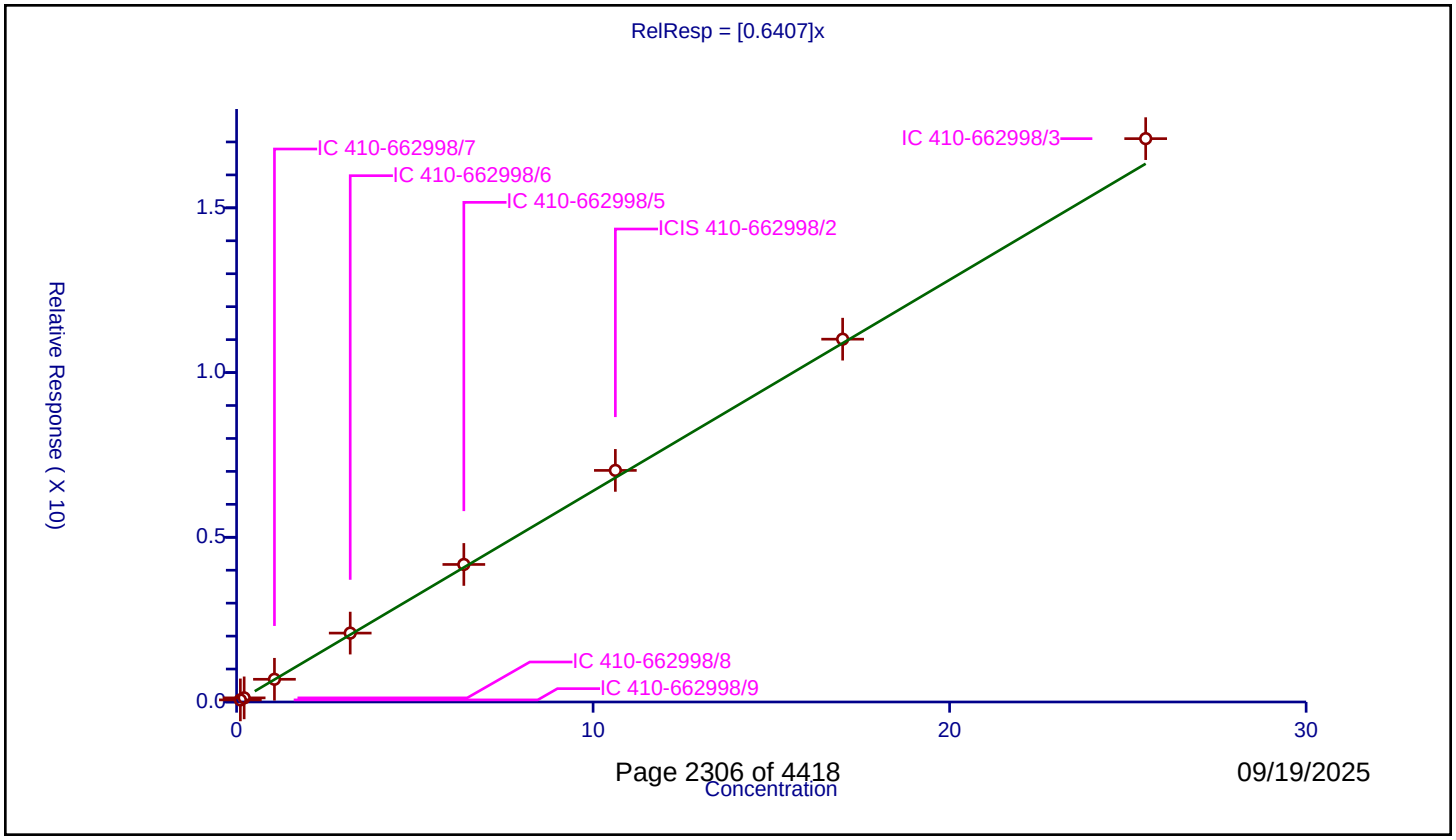
Curve Coefficients

Intercept:	0
Slope:	0.6407

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.10625	0.063669	5.0	551135.0	0.599234	Y
2	IC 410-662998/8	0.2125	0.124678	5.0	563934.0	0.586719	Y
3	IC 410-662998/7	1.0625	0.689434	5.0	540226.0	0.648879	Y
4	IC 410-662998/6	3.1875	2.091643	5.0	571283.0	0.656202	Y
5	IC 410-662998/5	6.375	4.17458	5.0	559909.0	0.654836	Y
6	ICIS 410-662998/2	10.625	7.030041	5.0	602020.0	0.661651	Y
7	IC 410-662998/4	17.0	11.012975	5.0	561297.0	0.647822	Y
8	IC 410-662998/3	25.5	17.100922	5.0	543916.0	0.670624	Y



Calibration / 1,2-Diphenylhydrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

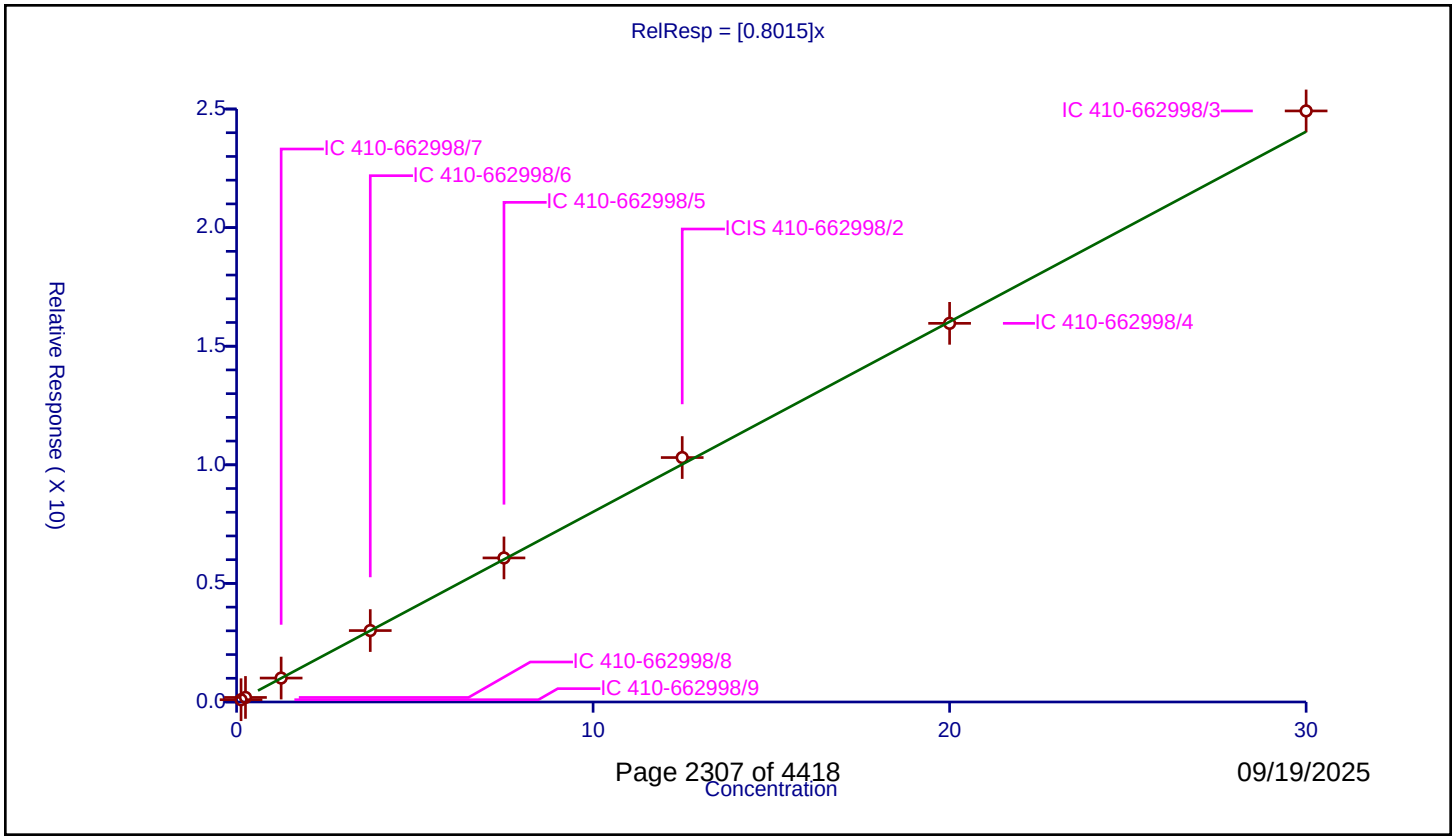
Curve Coefficients

Intercept:	0
Slope:	0.8015

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.096247	5.0	551135.0	0.769975	Y
2	IC 410-662998/8	0.25	0.192159	5.0	563934.0	0.768636	Y
3	IC 410-662998/7	1.25	1.009291	5.0	540226.0	0.807432	Y
4	IC 410-662998/6	3.75	3.011756	5.0	571283.0	0.803135	Y
5	IC 410-662998/5	7.5	6.073469	5.0	559909.0	0.809796	Y
6	ICIS 410-662998/2	12.5	10.305646	5.0	602020.0	0.824452	Y
7	IC 410-662998/4	20.0	15.96465	5.0	561297.0	0.798232	Y
8	IC 410-662998/3	30.0	24.919022	5.0	543916.0	0.830634	Y



09/19/2025

Calibration / 2,4,6-Tribromophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

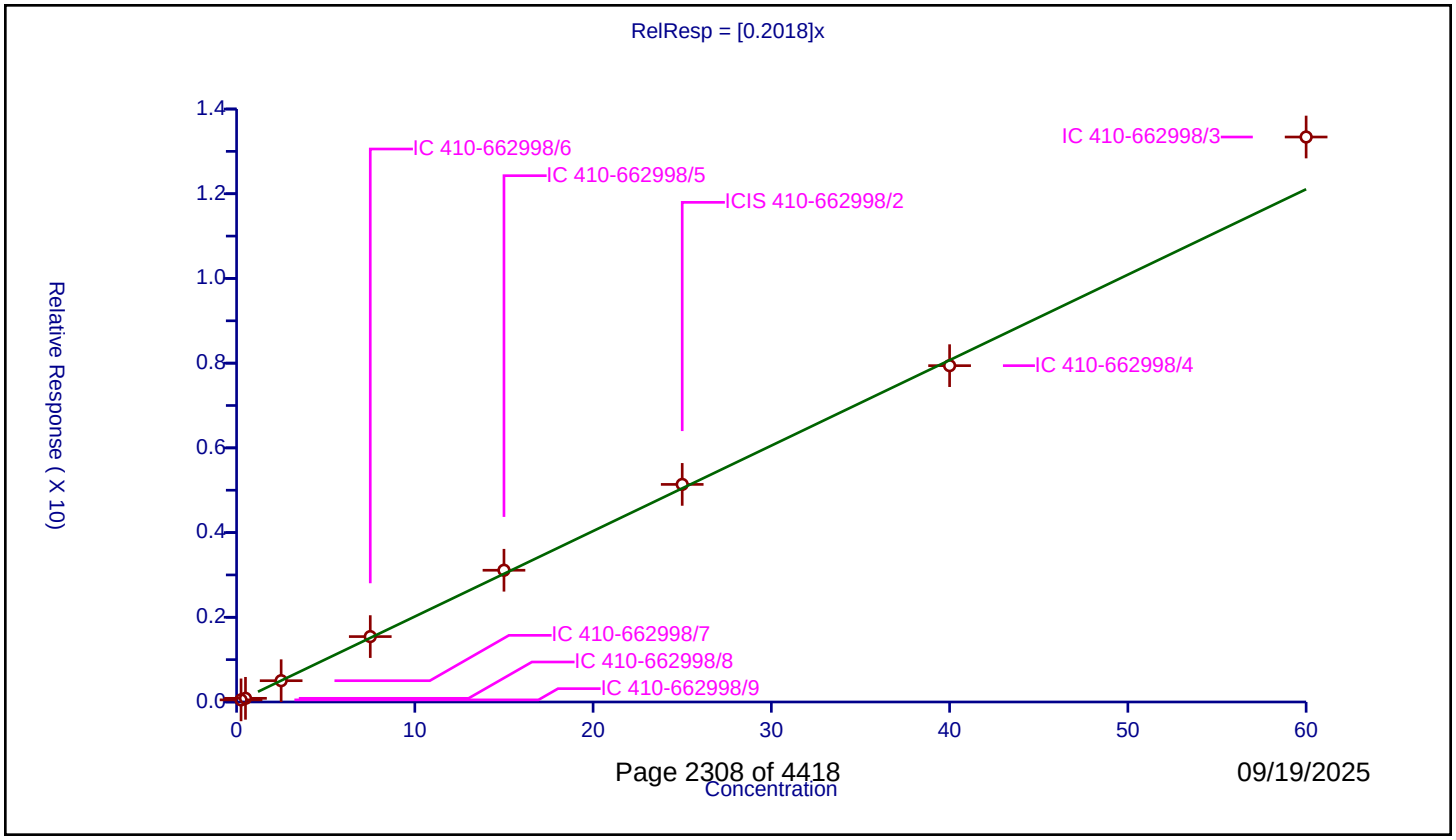
Curve Coefficients

Intercept:	0
Slope:	0.2018

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.25	0.050107	5.0	305646.0	0.200428	Y
2	IC 410-662998/8	0.5	0.086559	5.0	309731.0	0.173118	Y
3	IC 410-662998/7	2.5	0.502636	5.0	299113.0	0.201054	Y
4	IC 410-662998/6	7.5	1.544151	5.0	319237.0	0.205887	Y
5	IC 410-662998/5	15.0	3.110256	5.0	312037.0	0.20735	Y
6	ICIS 410-662998/2	25.0	5.137447	5.0	347333.0	0.205498	Y
7	IC 410-662998/4	40.0	7.940562	5.0	334363.0	0.198514	Y
8	IC 410-662998/3	60.0	13.339096	5.0	305415.0	0.222318	Y



Calibration / Sulfotepp

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

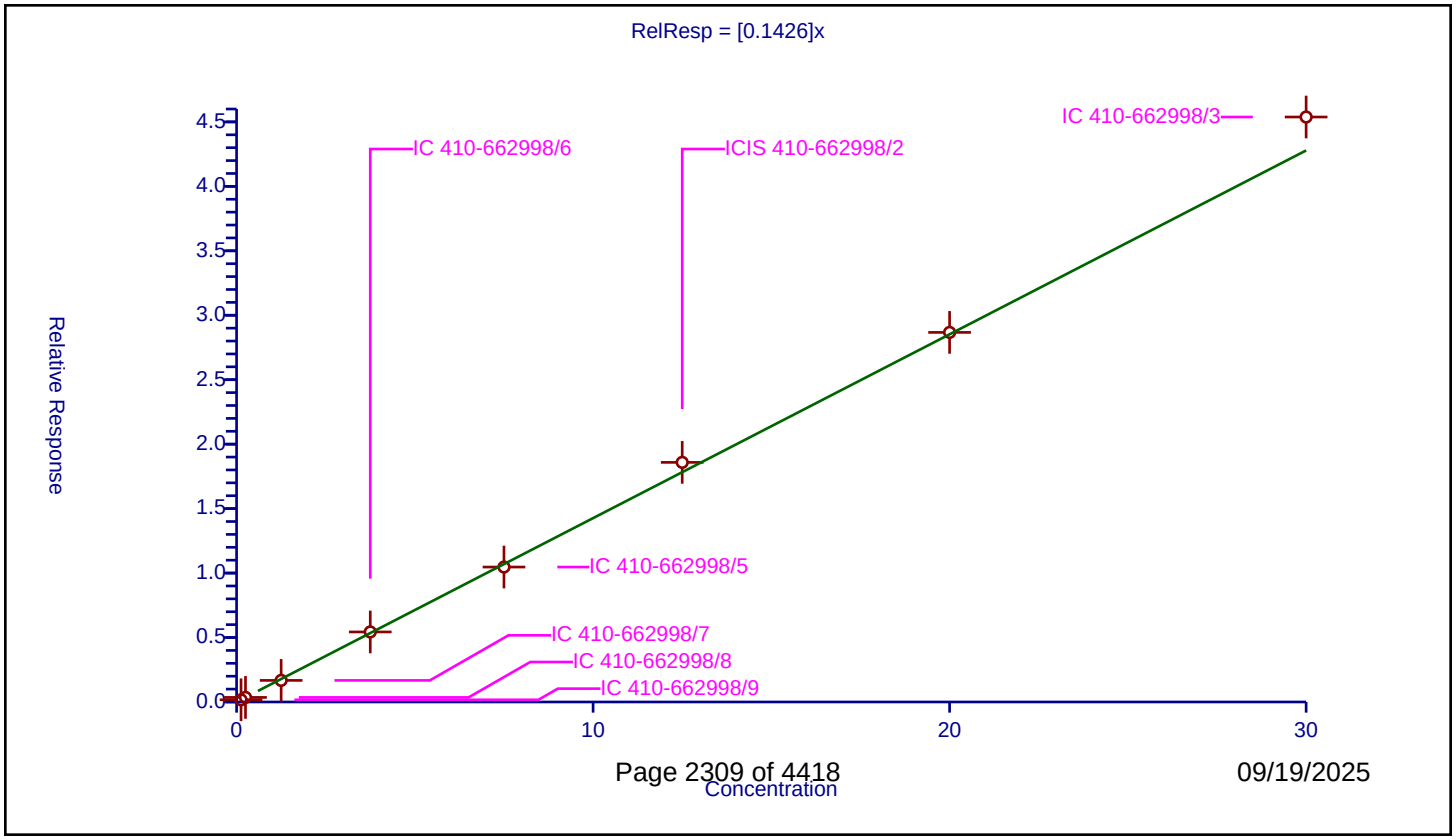
Curve Coefficients

Intercept:	0
Slope:	0.1426

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.017137	5.0	551135.0	0.137099	Y
2	IC 410-662998/8	0.25	0.035509	5.0	563934.0	0.142038	Y
3	IC 410-662998/7	1.25	0.167495	5.0	540226.0	0.133996	Y
4	IC 410-662998/6	3.75	0.543382	5.0	571283.0	0.144902	Y
5	IC 410-662998/5	7.5	1.046849	5.0	559909.0	0.13958	Y
6	ICIS 410-662998/2	12.5	1.858701	5.0	602020.0	0.148696	Y
7	IC 410-662998/4	20.0	2.867145	5.0	561297.0	0.143357	Y
8	IC 410-662998/3	30.0	4.537953	5.0	543916.0	0.151265	Y



Calibration / 1,3,5-Trinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

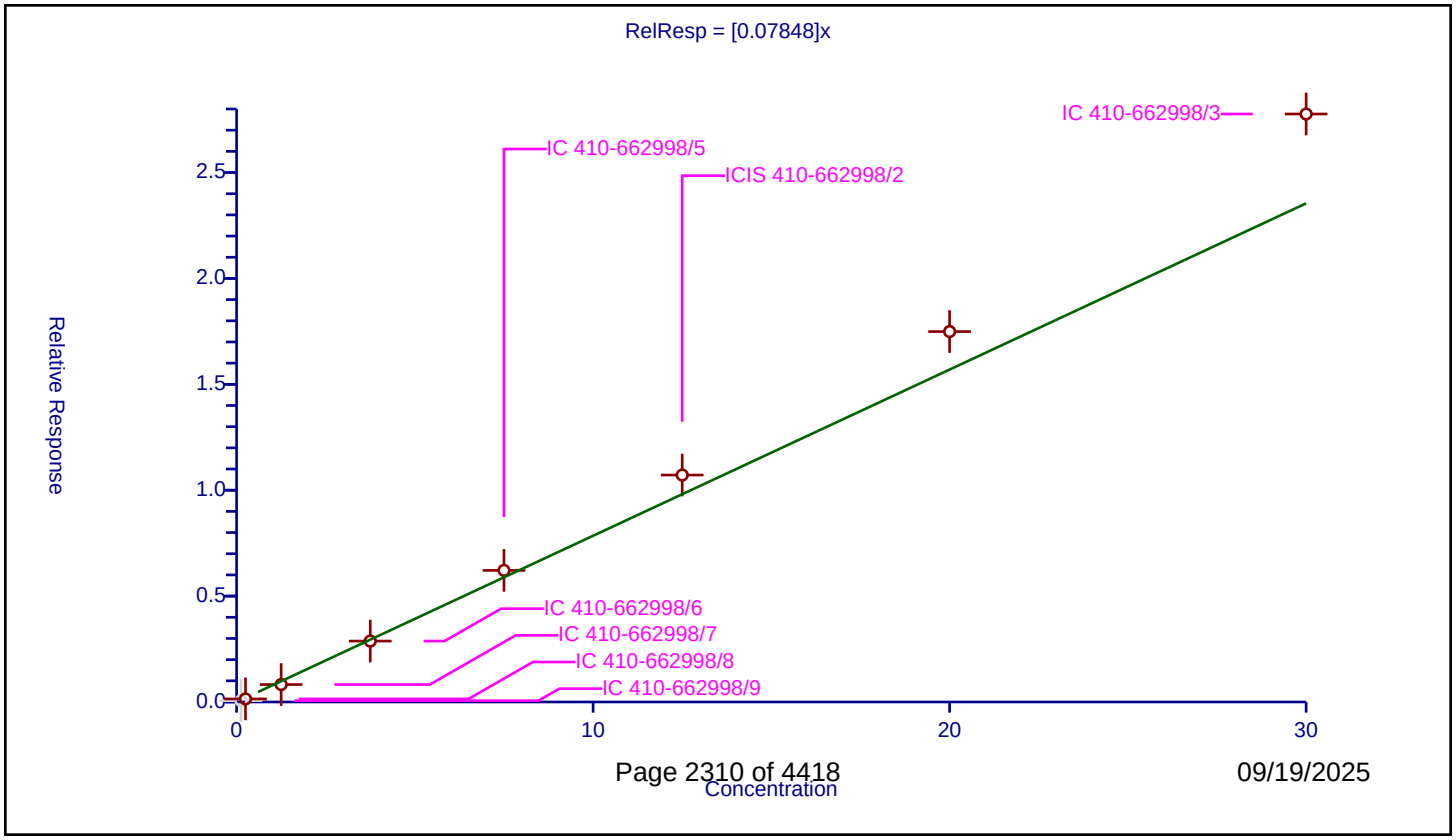
Curve Coefficients

Intercept:	0
Slope:	0.07848

Error Coefficients

Relative Standard Deviation:	15.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.006233	5.0	551135.0	0.049861	N
2	IC 410-662998/8	0.25	0.014558	5.0	563934.0	0.058234	Y
3	IC 410-662998/7	1.25	0.082308	5.0	540226.0	0.065847	Y
4	IC 410-662998/6	3.75	0.287677	5.0	571283.0	0.076714	Y
5	IC 410-662998/5	7.5	0.621378	5.0	559909.0	0.08285	Y
6	ICIS 410-662998/2	12.5	1.071617	5.0	602020.0	0.085729	Y
7	IC 410-662998/4	20.0	1.749047	5.0	561297.0	0.087452	Y
8	IC 410-662998/3	30.0	2.776421	5.0	543916.0	0.092547	Y



Calibration / cis-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

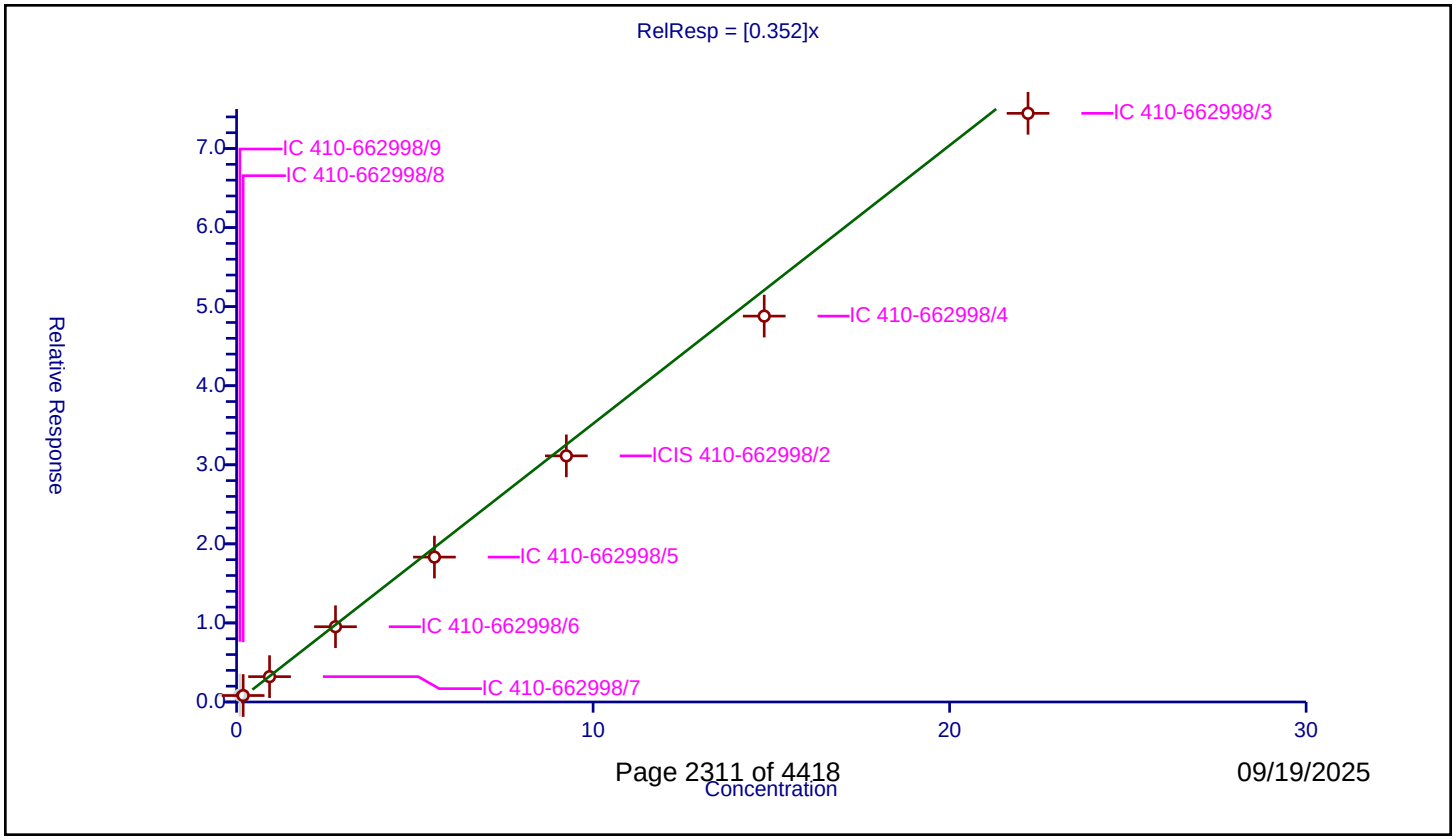
Curve Coefficients

Intercept:	0
Slope:	0.352

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.0925	0.087665	5.0	551135.0	0.947725	N
2	IC 410-662998/8	0.185	0.081845	5.0	563934.0	0.442404	Y
3	IC 410-662998/7	0.925	0.320607	5.0	540226.0	0.346602	Y
4	IC 410-662998/6	2.775	0.952006	5.0	571283.0	0.343065	Y
5	IC 410-662998/5	5.55	1.832467	5.0	559909.0	0.330174	Y
6	ICIS 410-662998/2	9.25	3.112853	5.0	602020.0	0.336525	Y
7	IC 410-662998/4	14.8	4.880776	5.0	561297.0	0.329782	Y
8	IC 410-662998/3	22.2	7.445396	5.0	543916.0	0.335378	Y



Calibration / Phorate

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

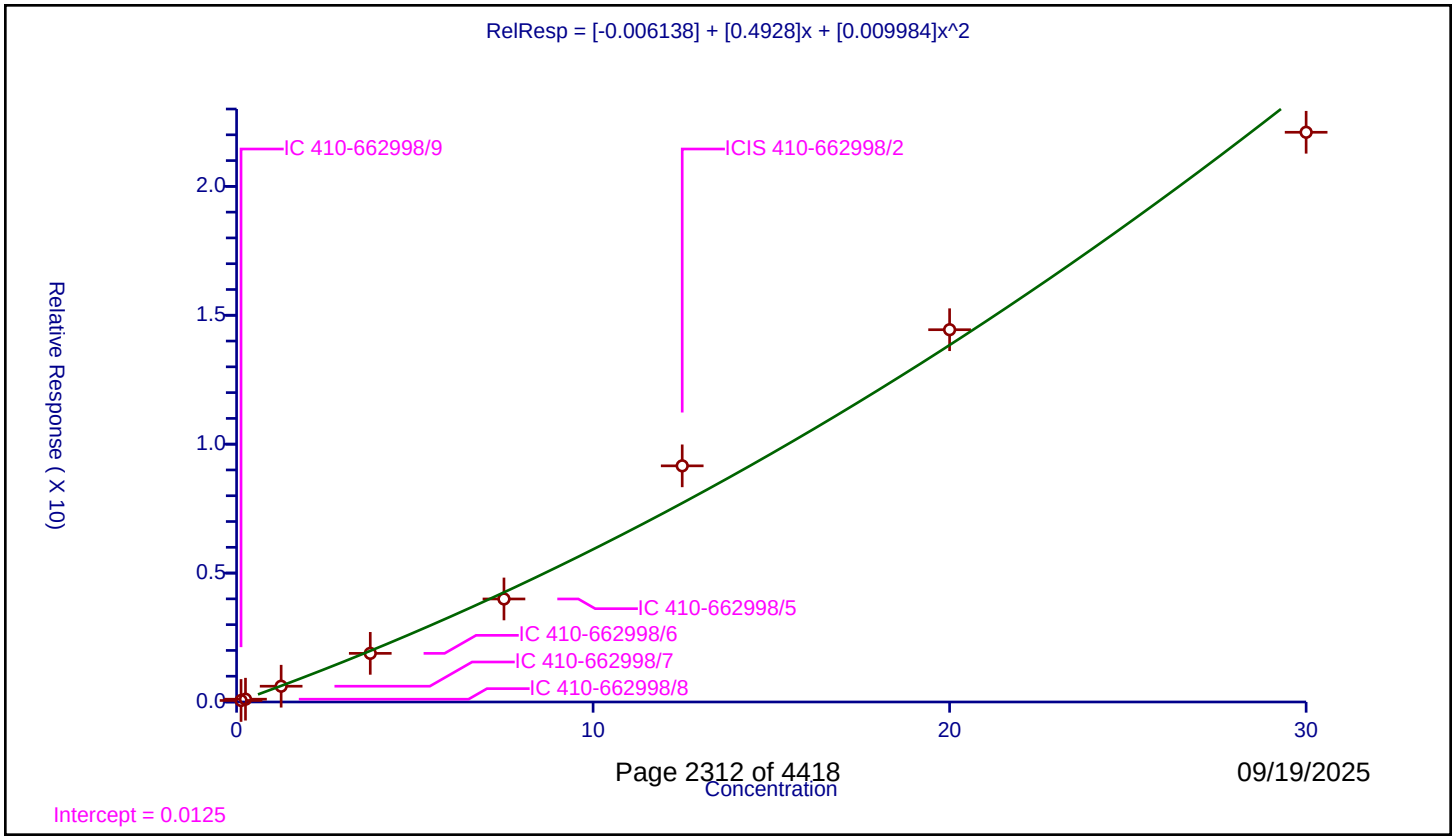
Curve Coefficients

Intercept:	-0.006138
Slope:	0.4928
Second Order:	0.009984

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.058325	5.0	551135.0	0.466601	Y
2	IC 410-662998/8	0.25	0.107601	5.0	563934.0	0.430405	Y
3	IC 410-662998/7	1.25	0.611513	5.0	540226.0	0.48921	Y
4	IC 410-662998/6	3.75	1.88572	5.0	571283.0	0.502859	Y
5	IC 410-662998/5	7.5	3.996069	5.0	559909.0	0.532809	Y
6	ICIS 410-662998/2	12.5	9.159289	5.0	602020.0	0.732743	Y
7	IC 410-662998/4	20.0	14.439753	5.0	561297.0	0.721988	Y
8	IC 410-662998/3	30.0	22.098072	5.0	543916.0	0.736602	Y



Calibration / Phenacetin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

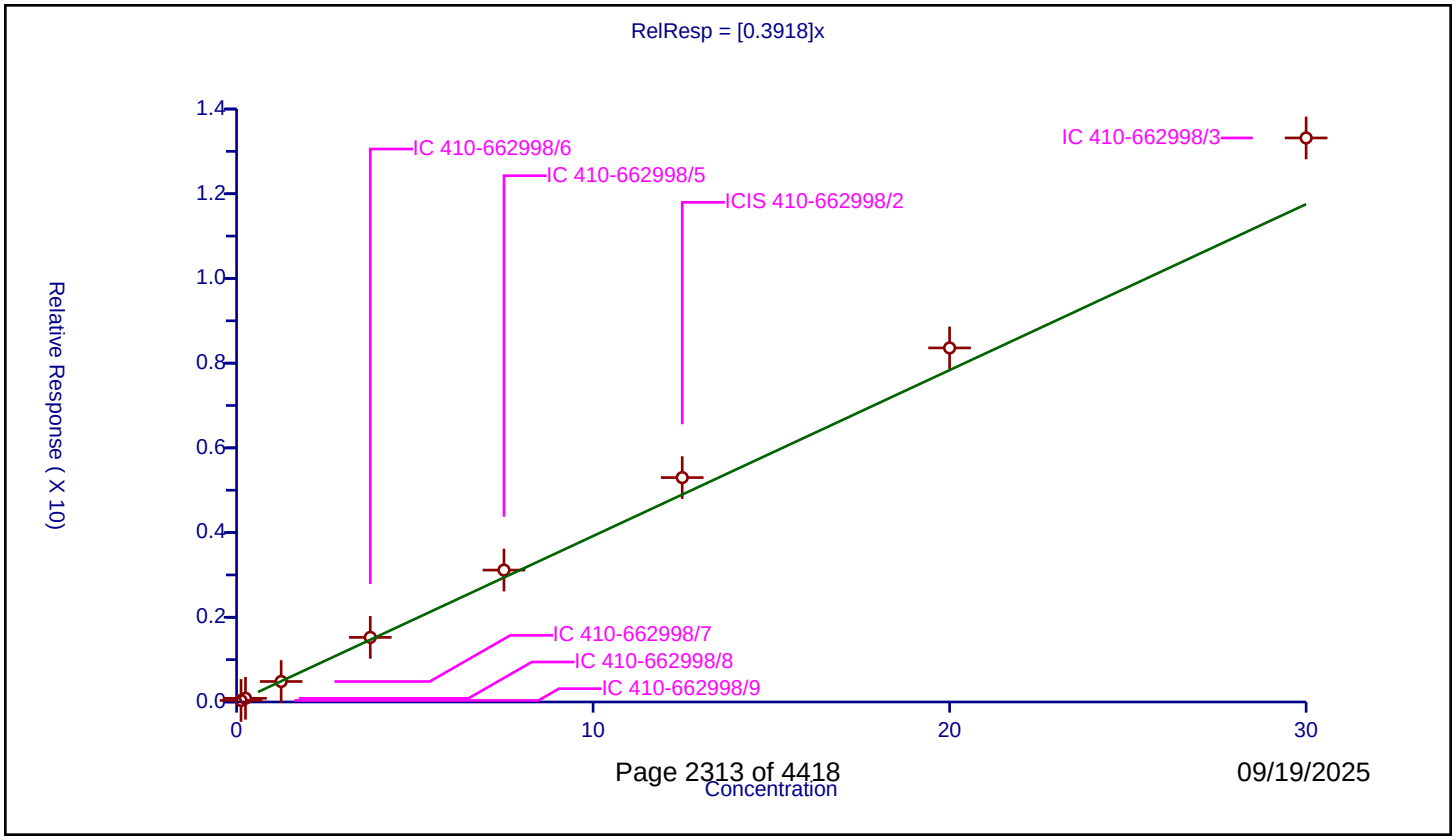
Curve Coefficients

Intercept:	0
Slope:	0.3918

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.036243	5.0	551135.0	0.289947	Y
2	IC 410-662998/8	0.25	0.087368	5.0	563934.0	0.349474	Y
3	IC 410-662998/7	1.25	0.483788	5.0	540226.0	0.387031	Y
4	IC 410-662998/6	3.75	1.525295	5.0	571283.0	0.406745	Y
5	IC 410-662998/5	7.5	3.114569	5.0	559909.0	0.415276	Y
6	ICIS 410-662998/2	12.5	5.29803	5.0	602020.0	0.423842	Y
7	IC 410-662998/4	20.0	8.359407	5.0	561297.0	0.41797	Y
8	IC 410-662998/3	30.0	13.316946	5.0	543916.0	0.443898	Y



Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

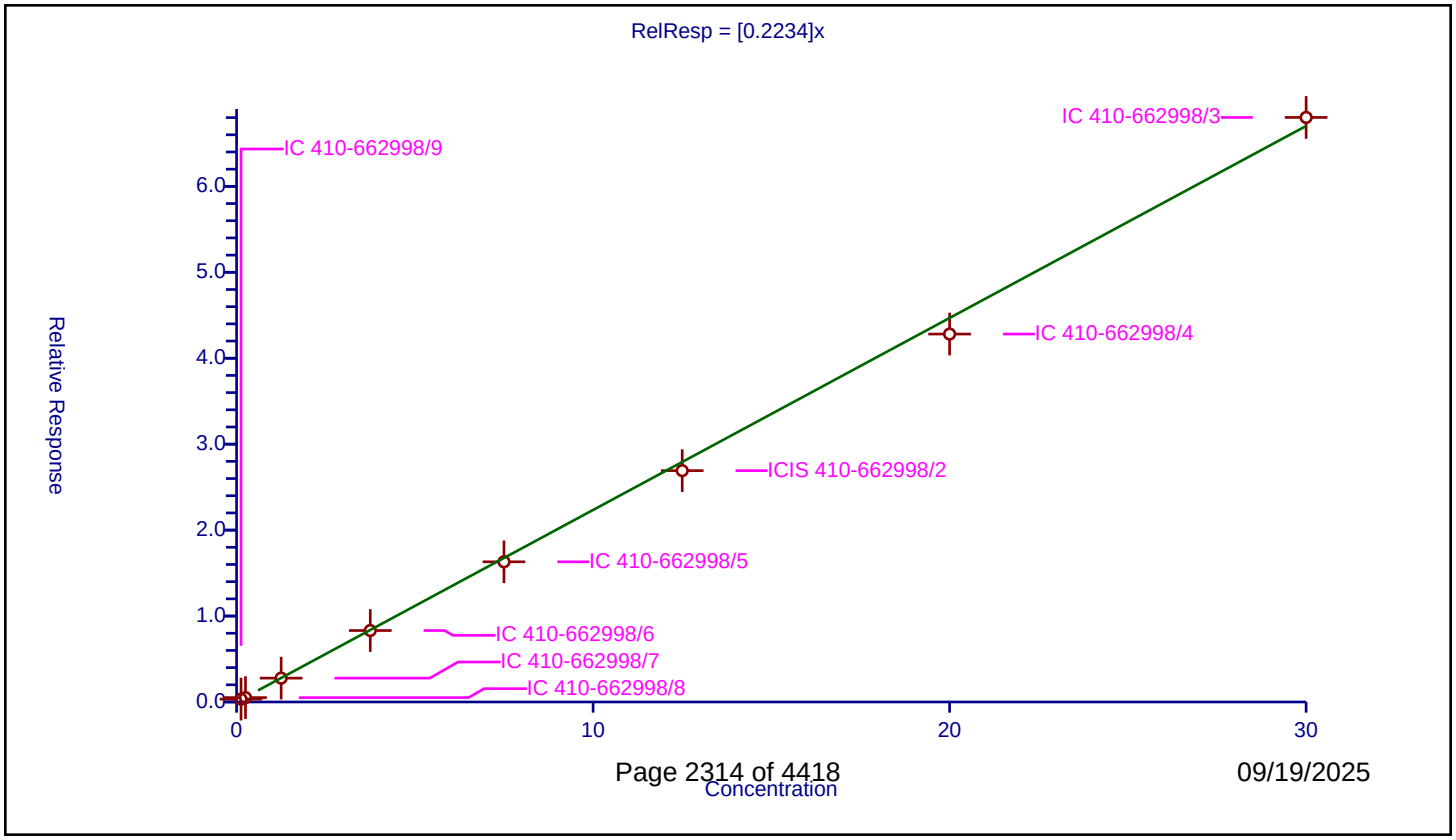
Curve Coefficients

Intercept:	0
Slope:	0.2234

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.033286	5.0	551135.0	0.266287	Y
2	IC 410-662998/8	0.25	0.050901	5.0	563934.0	0.203605	Y
3	IC 410-662998/7	1.25	0.277615	5.0	540226.0	0.222092	Y
4	IC 410-662998/6	3.75	0.831506	5.0	571283.0	0.221735	Y
5	IC 410-662998/5	7.5	1.631149	5.0	559909.0	0.217487	Y
6	ICIS 410-662998/2	12.5	2.691871	5.0	602020.0	0.21535	Y
7	IC 410-662998/4	20.0	4.281468	5.0	561297.0	0.214073	Y
8	IC 410-662998/3	30.0	6.801832	5.0	543916.0	0.226728	Y



Calibration / trans-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

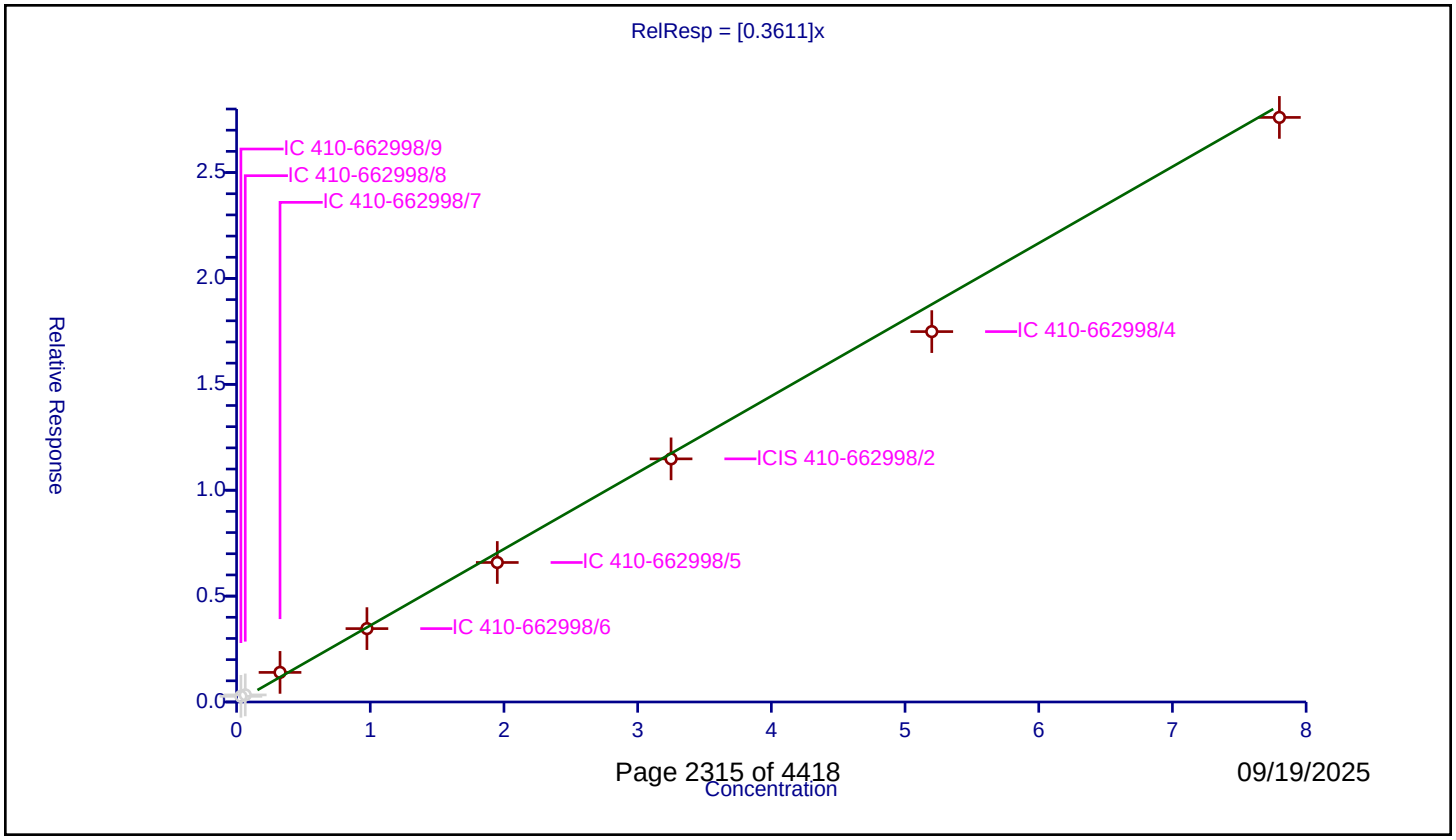
Curve Coefficients

Intercept:	0
Slope:	0.3611

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.0325	0.026763	5.0	551135.0	0.823475	N
2	IC 410-662998/8	0.065	0.03339	5.0	563934.0	0.513699	N
3	IC 410-662998/7	0.325	0.139719	5.0	540226.0	0.429906	Y
4	IC 410-662998/6	0.975	0.346475	5.0	571283.0	0.355358	Y
5	IC 410-662998/5	1.95	0.658741	5.0	559909.0	0.337816	Y
6	ICIS 410-662998/2	3.25	1.148101	5.0	602020.0	0.353262	Y
7	IC 410-662998/4	5.2	1.748905	5.0	561297.0	0.336328	Y
8	IC 410-662998/3	7.8	2.760288	5.0	543916.0	0.353883	Y



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

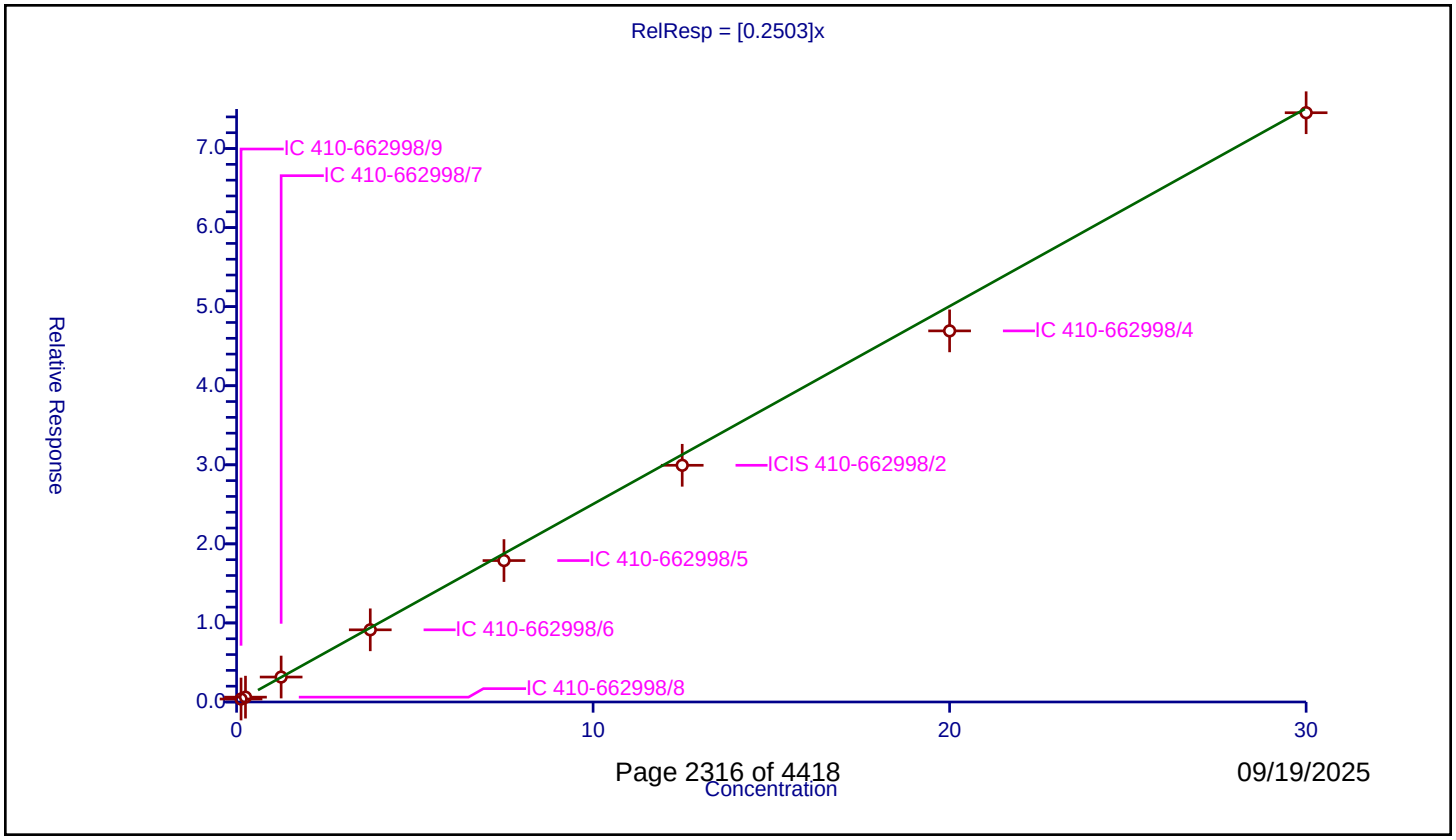
Curve Coefficients

Intercept:	0
Slope:	0.2503

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.037613	5.0	551135.0	0.300906	Y
2	IC 410-662998/8	0.25	0.061098	5.0	563934.0	0.24439	Y
3	IC 410-662998/7	1.25	0.315664	5.0	540226.0	0.252531	Y
4	IC 410-662998/6	3.75	0.912761	5.0	571283.0	0.243403	Y
5	IC 410-662998/5	7.5	1.788657	5.0	559909.0	0.238488	Y
6	ICIS 410-662998/2	12.5	2.993887	5.0	602020.0	0.239511	Y
7	IC 410-662998/4	20.0	4.693647	5.0	561297.0	0.234682	Y
8	IC 410-662998/3	30.0	7.453274	5.0	543916.0	0.248442	Y



Calibration / Dimethoate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

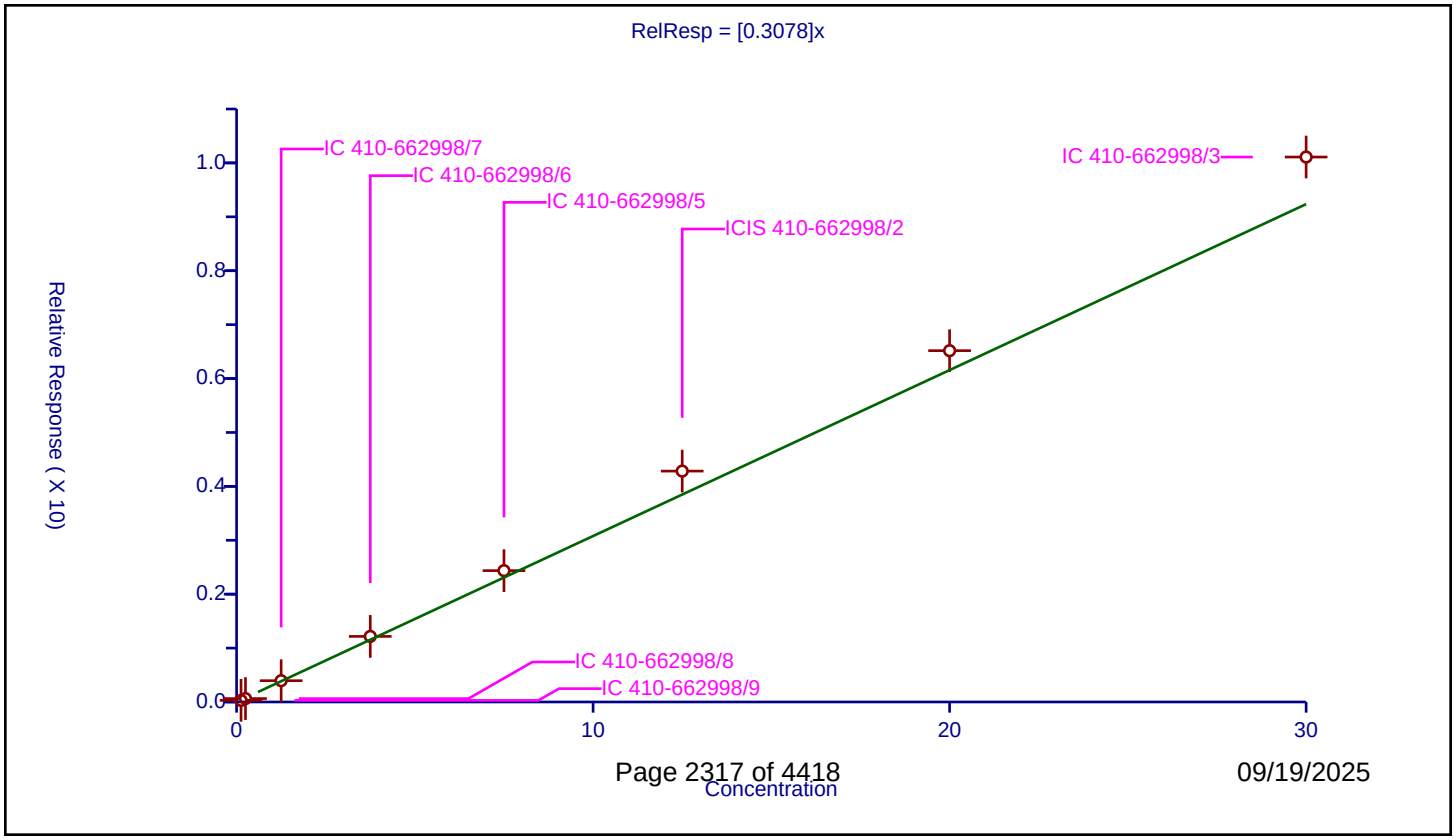
Curve Coefficients

Intercept:	0
Slope:	0.3078

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.029847	5.0	551135.0	0.23878	Y
2	IC 410-662998/8	0.25	0.06327	5.0	563934.0	0.253079	Y
3	IC 410-662998/7	1.25	0.395168	5.0	540226.0	0.316134	Y
4	IC 410-662998/6	3.75	1.216569	5.0	571283.0	0.324418	Y
5	IC 410-662998/5	7.5	2.436414	5.0	559909.0	0.324855	Y
6	ICIS 410-662998/2	12.5	4.283114	5.0	602020.0	0.342649	Y
7	IC 410-662998/4	20.0	6.517174	5.0	561297.0	0.325859	Y
8	IC 410-662998/3	30.0	10.109208	5.0	543916.0	0.336974	Y



Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

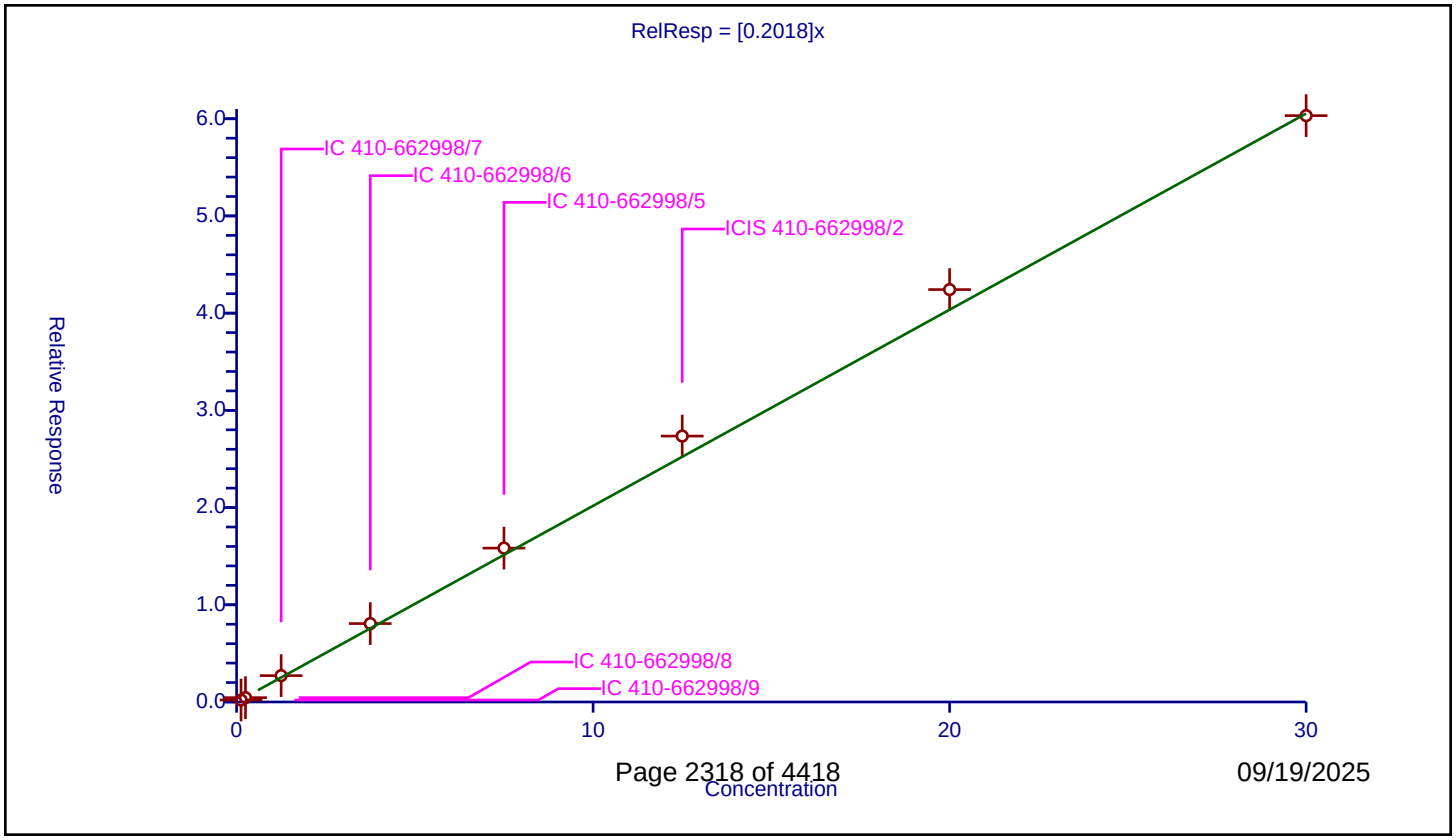
Curve Coefficients

Intercept:	0
Slope:	0.2018

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.020095	5.0	551135.0	0.160759	Y
2	IC 410-662998/8	0.25	0.04458	5.0	563934.0	0.178319	Y
3	IC 410-662998/7	1.25	0.271155	5.0	540226.0	0.216924	Y
4	IC 410-662998/6	3.75	0.806649	5.0	571283.0	0.215106	Y
5	IC 410-662998/5	7.5	1.582963	5.0	559909.0	0.211062	Y
6	ICIS 410-662998/2	12.5	2.735333	5.0	602020.0	0.218827	Y
7	IC 410-662998/4	20.0	4.242433	5.0	561297.0	0.212122	Y
8	IC 410-662998/3	30.0	6.031896	5.0	543916.0	0.201063	Y



Calibration / Pentachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

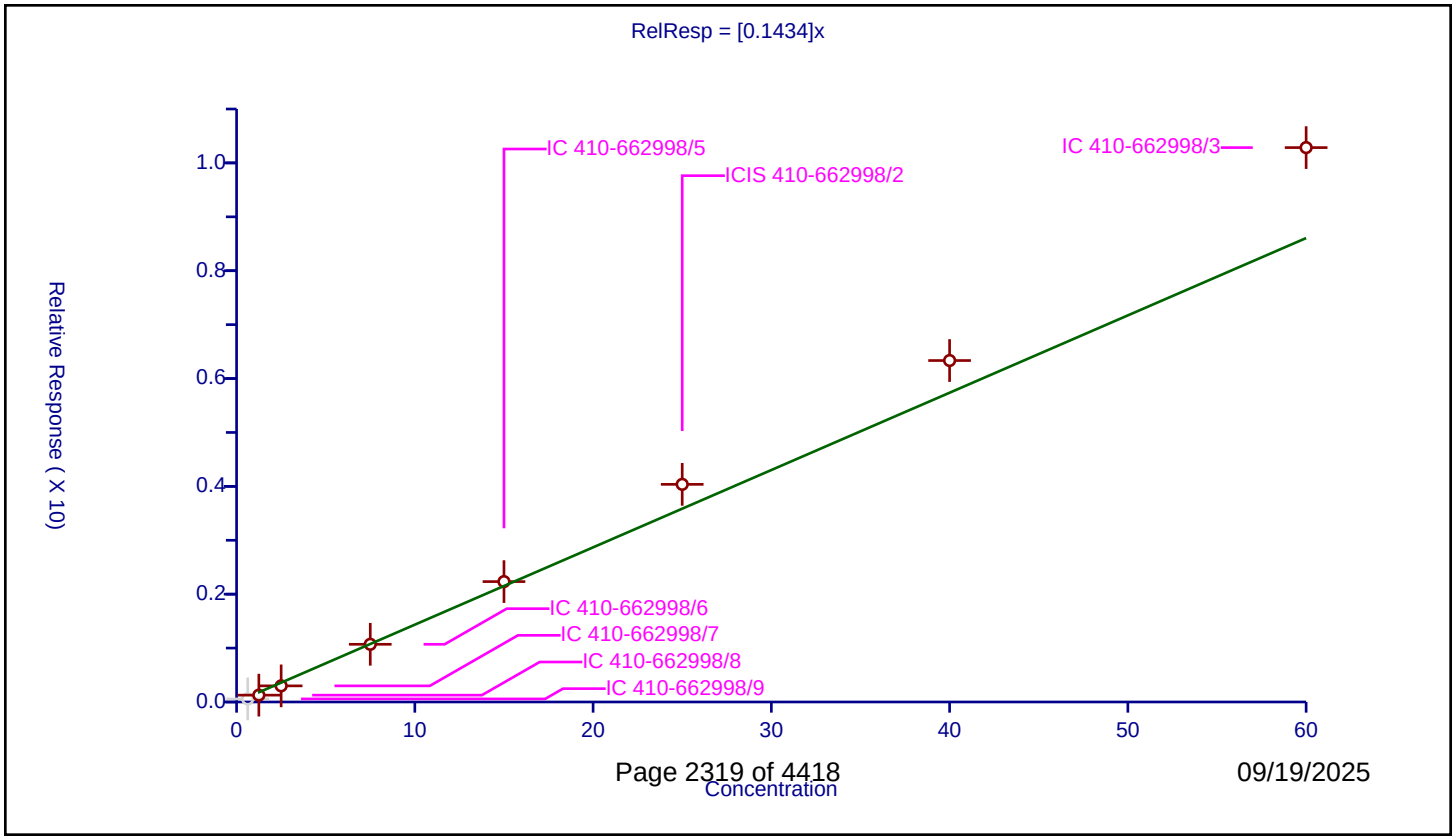
Curve Coefficients

Intercept:	0
Slope:	0.1434

Error Coefficients

Relative Standard Deviation:	17.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.625	0.057118	5.0	551135.0	0.09139	N
2	IC 410-662998/8	1.25	0.126947	5.0	563934.0	0.101558	Y
3	IC 410-662998/7	2.5	0.299088	5.0	540226.0	0.119635	Y
4	IC 410-662998/6	7.5	1.070109	5.0	571283.0	0.142681	Y
5	IC 410-662998/5	15.0	2.23347	5.0	559909.0	0.148898	Y
6	ICIS 410-662998/2	25.0	4.037241	5.0	602020.0	0.16149	Y
7	IC 410-662998/4	40.0	6.334356	5.0	561297.0	0.158359	Y
8	IC 410-662998/3	60.0	10.284171	5.0	543916.0	0.171403	Y



Calibration / 4-Aminobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

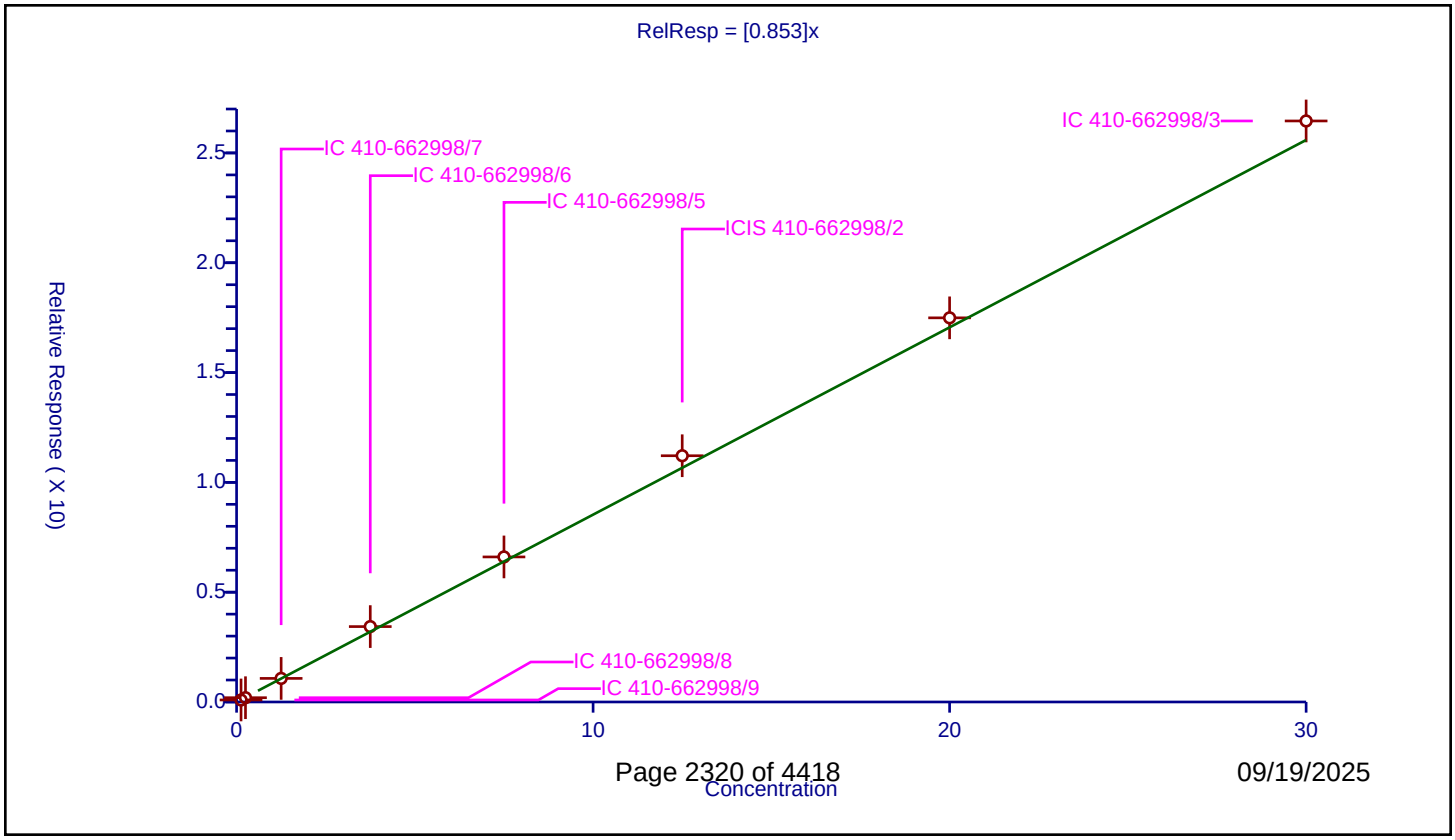
Curve Coefficients

Intercept:	0
Slope:	0.853

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.09201	5.0	551135.0	0.736081	Y
2	IC 410-662998/8	0.25	0.194588	5.0	563934.0	0.778353	Y
3	IC 410-662998/7	1.25	1.074532	5.0	540226.0	0.859625	Y
4	IC 410-662998/6	3.75	3.432922	5.0	571283.0	0.915446	Y
5	IC 410-662998/5	7.5	6.604448	5.0	559909.0	0.880593	Y
6	ICIS 410-662998/2	12.5	11.213274	5.0	602020.0	0.897062	Y
7	IC 410-662998/4	20.0	17.49172	5.0	561297.0	0.874586	Y
8	IC 410-662998/3	30.0	26.456282	5.0	543916.0	0.881876	Y



09/19/2025

Calibration / Pentachloronitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

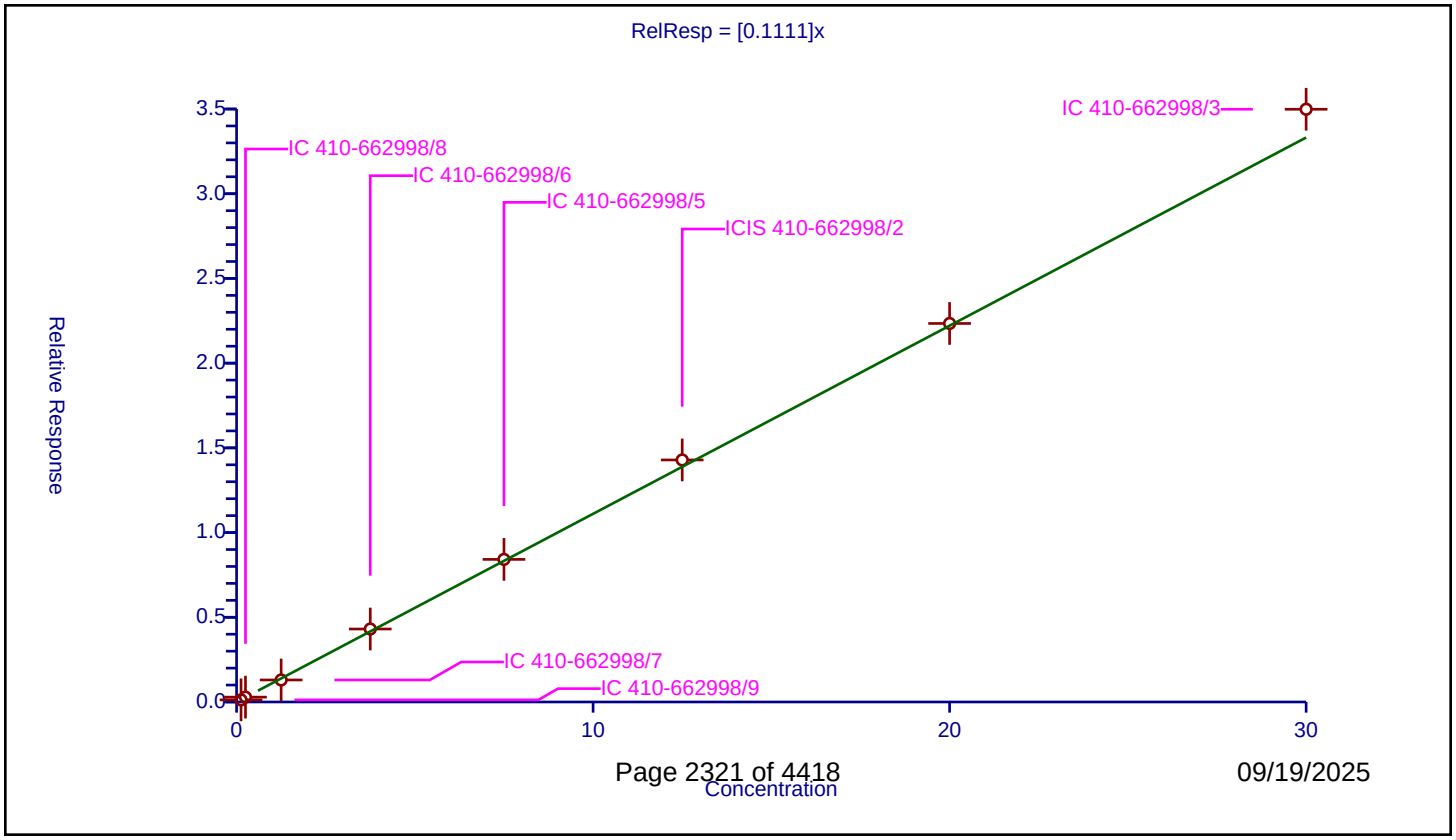
Curve Coefficients

Intercept:	0
Slope:	0.1111

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.012465	5.0	551135.0	0.099721	Y
2	IC 410-662998/8	0.25	0.028771	5.0	563934.0	0.115084	Y
3	IC 410-662998/7	1.25	0.129909	5.0	540226.0	0.103927	Y
4	IC 410-662998/6	3.75	0.430732	5.0	571283.0	0.114862	Y
5	IC 410-662998/5	7.5	0.841664	5.0	559909.0	0.112222	Y
6	ICIS 410-662998/2	12.5	1.42869	5.0	602020.0	0.114295	Y
7	IC 410-662998/4	20.0	2.234147	5.0	561297.0	0.111707	Y
8	IC 410-662998/3	30.0	3.49861	5.0	543916.0	0.11662	Y



09/19/2025

Calibration / Pronamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

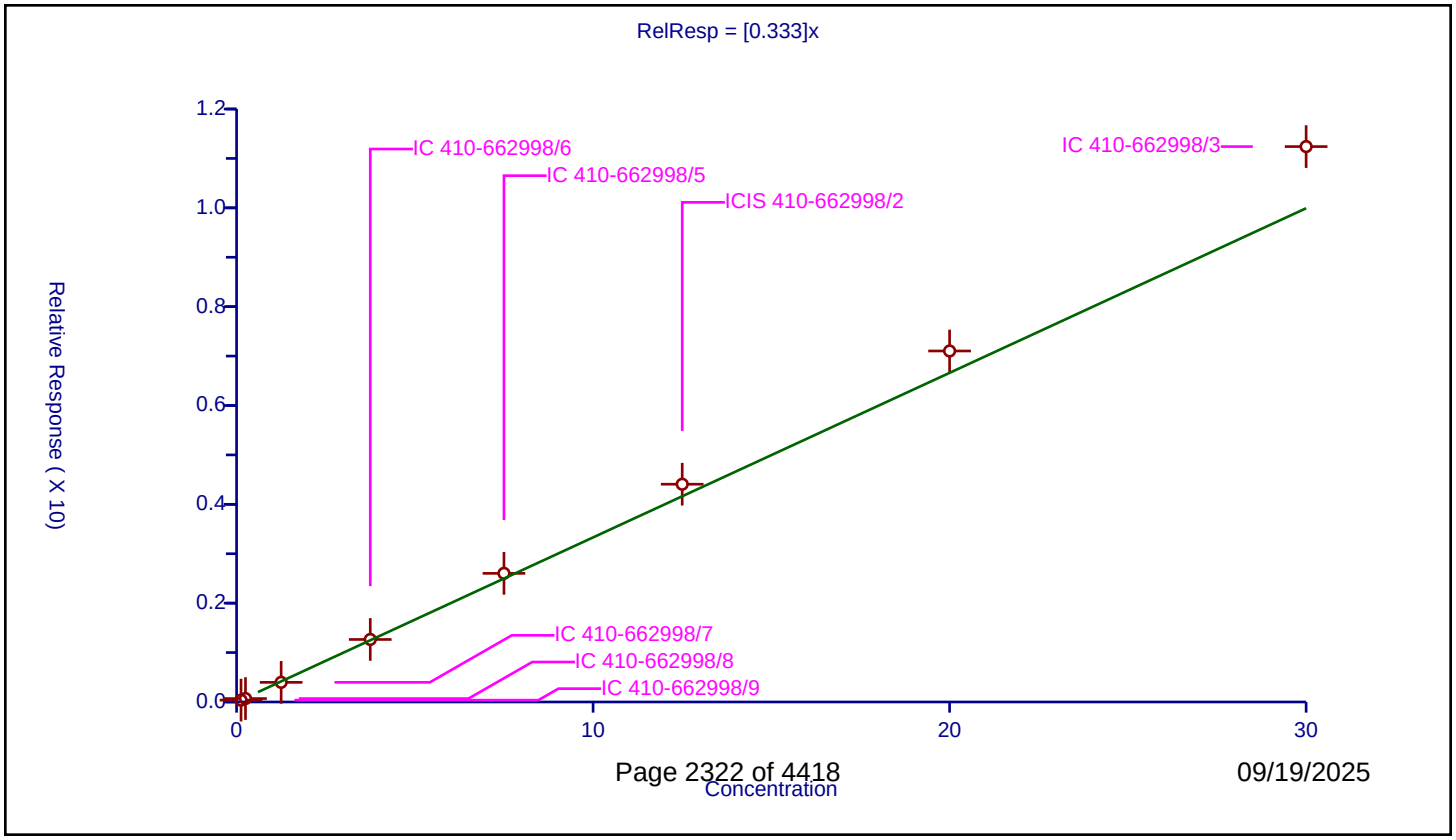
Curve Coefficients

Intercept:	0
Slope:	0.333

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.037677	5.0	551135.0	0.301414	Y
2	IC 410-662998/8	0.25	0.069512	5.0	563934.0	0.278047	Y
3	IC 410-662998/7	1.25	0.39763	5.0	540226.0	0.318104	Y
4	IC 410-662998/6	3.75	1.2651	5.0	571283.0	0.33736	Y
5	IC 410-662998/5	7.5	2.602968	5.0	559909.0	0.347062	Y
6	ICIS 410-662998/2	12.5	4.407121	5.0	602020.0	0.35257	Y
7	IC 410-662998/4	20.0	7.103076	5.0	561297.0	0.355154	Y
8	IC 410-662998/3	30.0	11.239484	5.0	543916.0	0.374649	Y



Calibration / Dinoseb

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

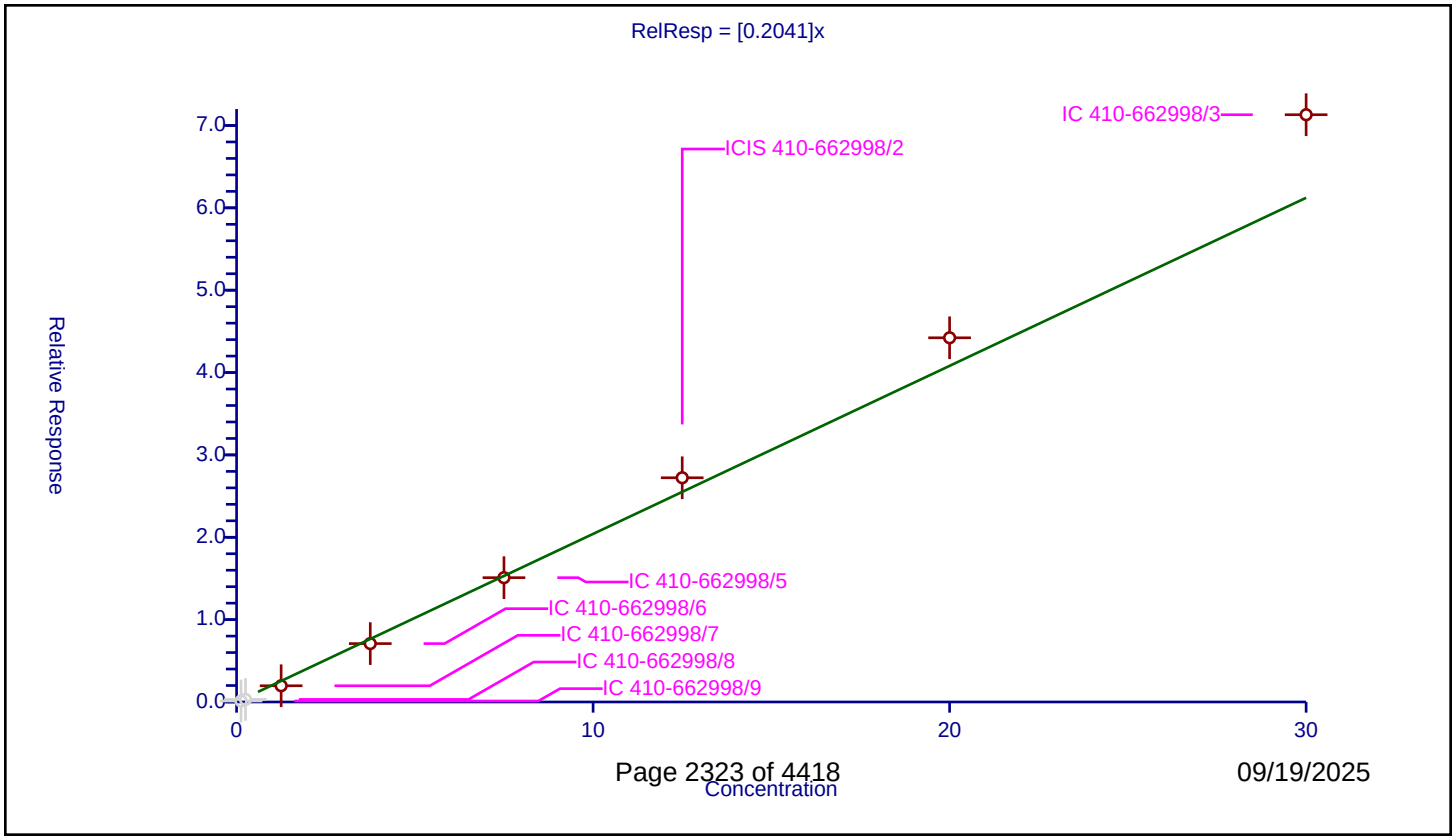
Curve Coefficients

Intercept:	0
Slope:	0.2041

Error Coefficients

Relative Standard Deviation:	13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.012111	5.0	551135.0	0.096891	N
2	IC 410-662998/8	0.25	0.031369	5.0	563934.0	0.125476	N
3	IC 410-662998/7	1.25	0.196881	5.0	540226.0	0.157504	Y
4	IC 410-662998/6	3.75	0.709009	5.0	571283.0	0.189069	Y
5	IC 410-662998/5	7.5	1.509379	5.0	559909.0	0.201251	Y
6	ICIS 410-662998/2	12.5	2.722451	5.0	602020.0	0.217796	Y
7	IC 410-662998/4	20.0	4.422151	5.0	561297.0	0.221108	Y
8	IC 410-662998/3	30.0	7.130586	5.0	543916.0	0.237686	Y



Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

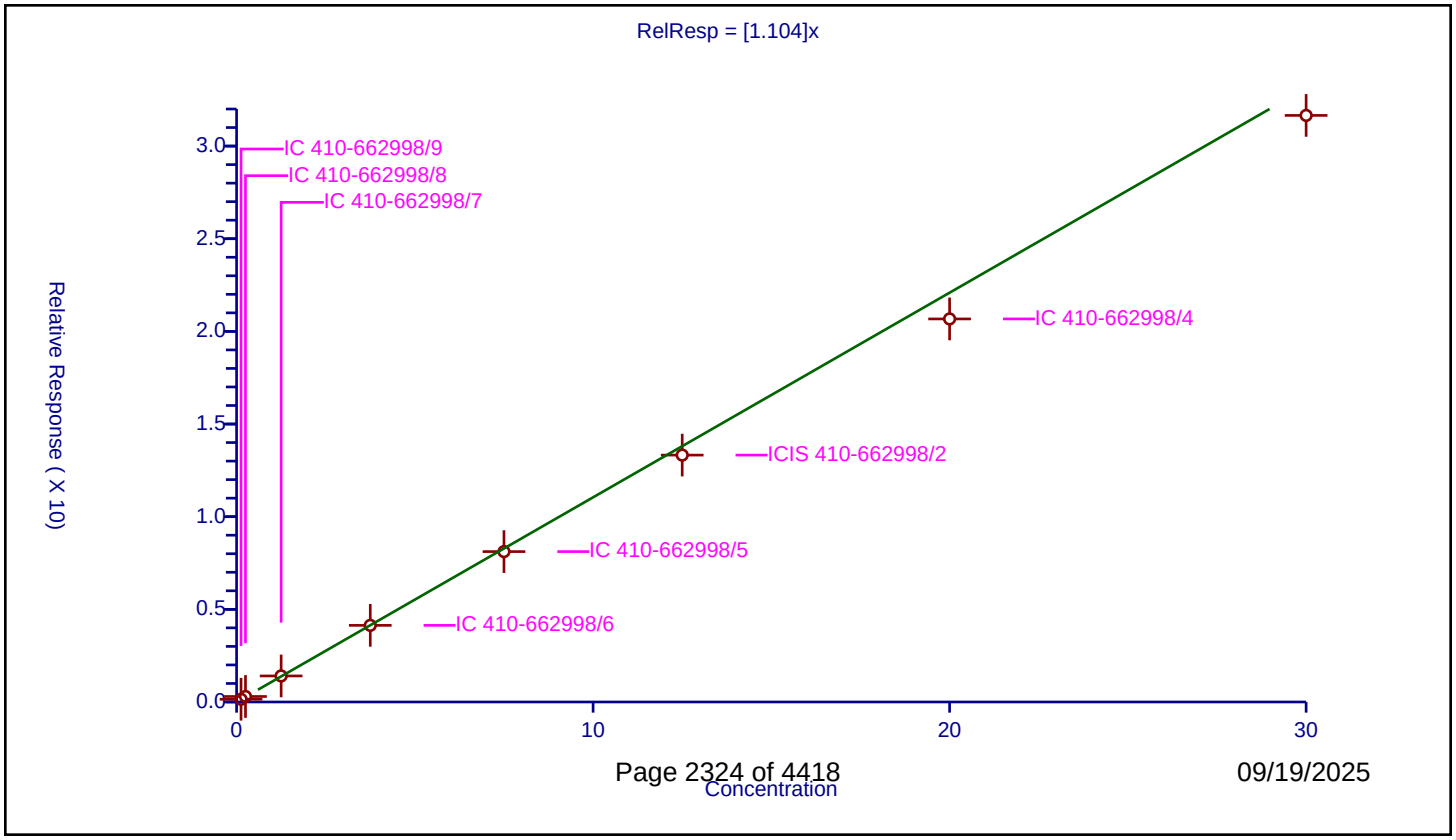
Curve Coefficients

Intercept:	0
Slope:	1.104

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.148122	5.0	551135.0	1.184973	Y
2	IC 410-662998/8	0.25	0.296586	5.0	563934.0	1.186345	Y
3	IC 410-662998/7	1.25	1.405375	5.0	540226.0	1.1243	Y
4	IC 410-662998/6	3.75	4.135446	5.0	571283.0	1.102786	Y
5	IC 410-662998/5	7.5	8.115703	5.0	559909.0	1.082094	Y
6	ICIS 410-662998/2	12.5	13.324217	5.0	602020.0	1.065937	Y
7	IC 410-662998/4	20.0	20.67165	5.0	561297.0	1.033582	Y
8	IC 410-662998/3	30.0	31.654713	5.0	543916.0	1.055157	Y



Calibration / Disulfoton

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

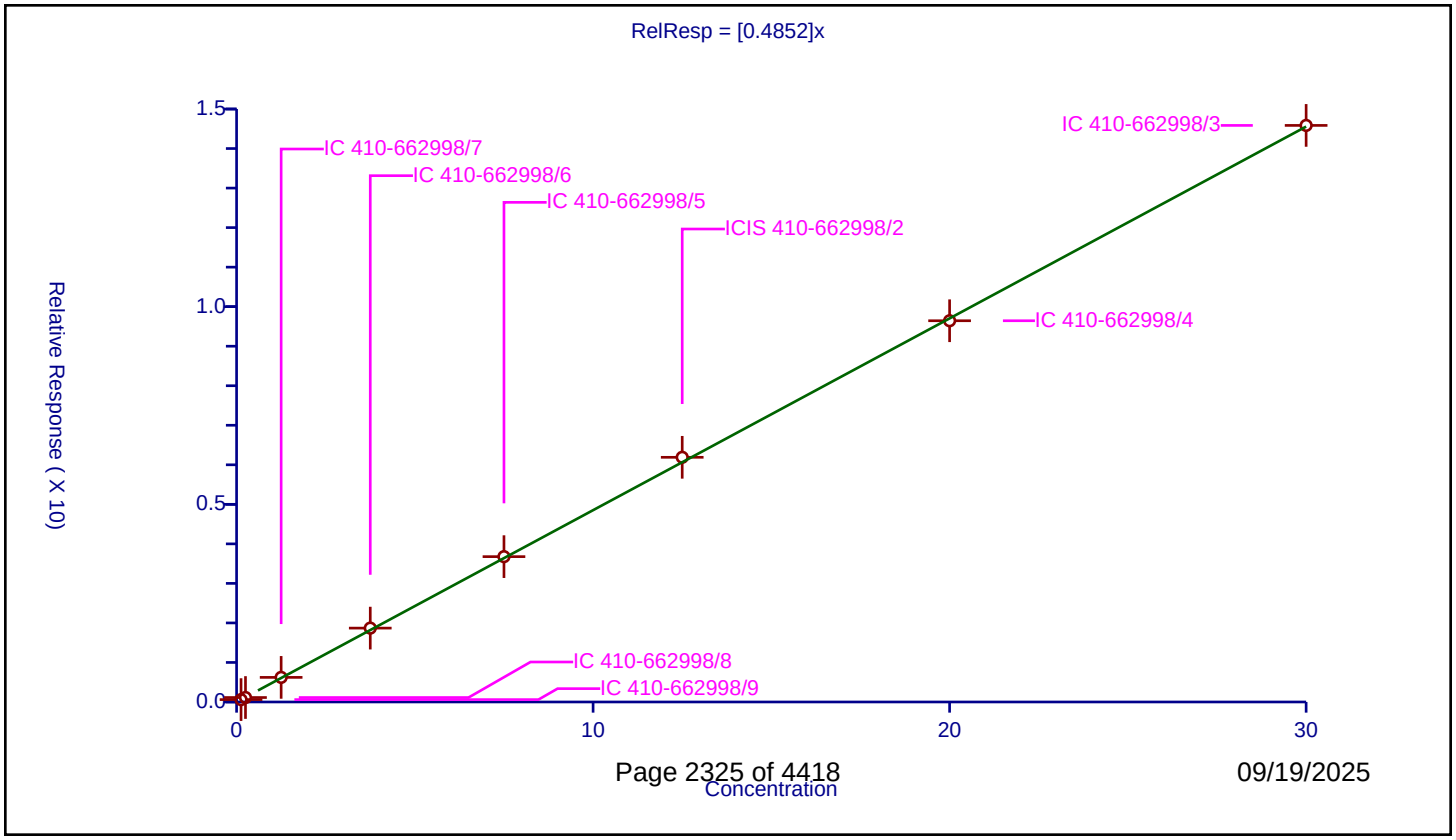
Curve Coefficients

Intercept:	0
Slope:	0.4852

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.060103	5.0	551135.0	0.480826	Y
2	IC 410-662998/8	0.25	0.112682	5.0	563934.0	0.450727	Y
3	IC 410-662998/7	1.25	0.622064	5.0	540226.0	0.497651	Y
4	IC 410-662998/6	3.75	1.869135	5.0	571283.0	0.498436	Y
5	IC 410-662998/5	7.5	3.676499	5.0	559909.0	0.4902	Y
6	ICIS 410-662998/2	12.5	6.189803	5.0	602020.0	0.495184	Y
7	IC 410-662998/4	20.0	9.64395	5.0	561297.0	0.482197	Y
8	IC 410-662998/3	30.0	14.585092	5.0	543916.0	0.48617	Y



Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

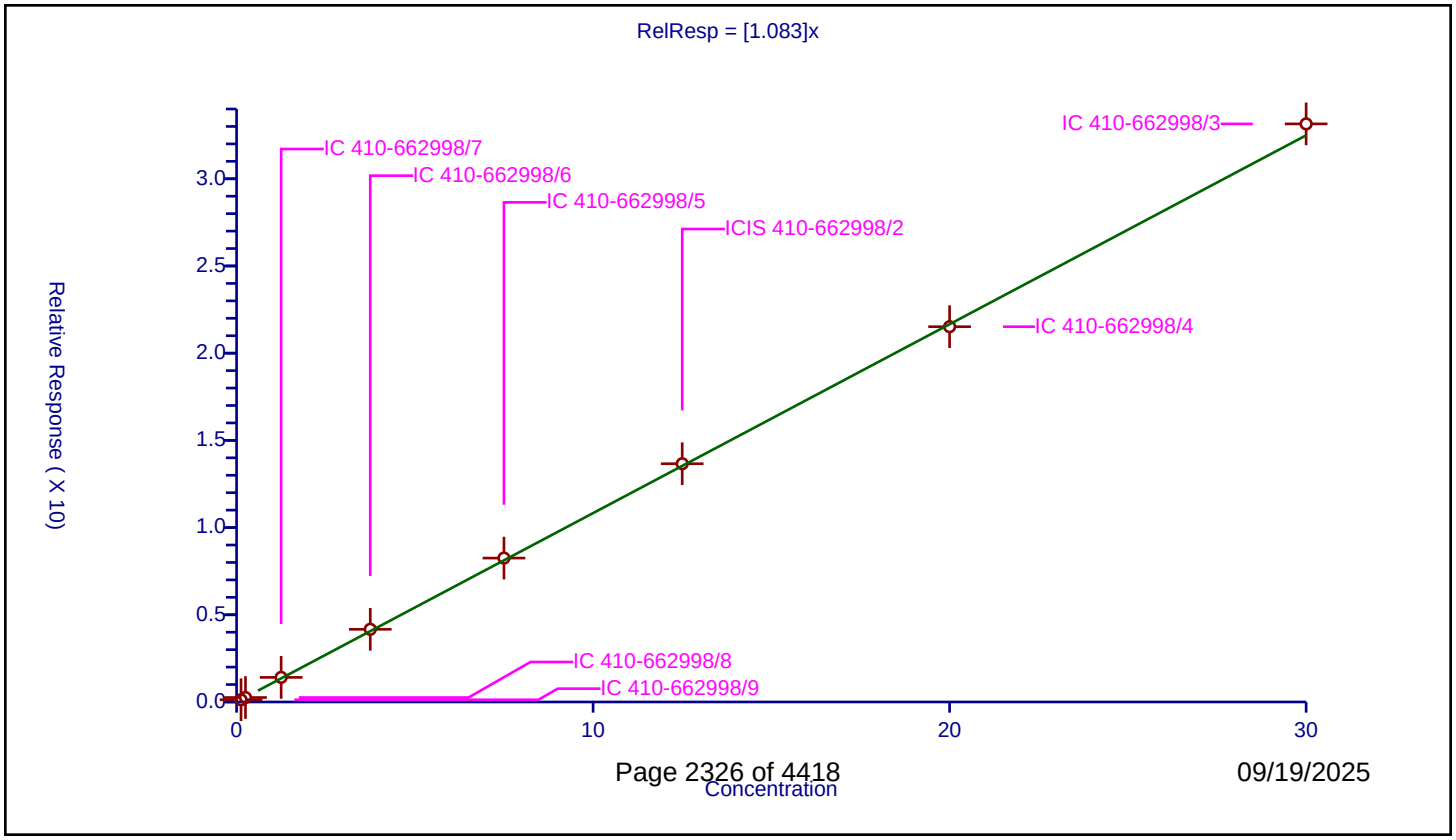
Curve Coefficients

Intercept:	0
Slope:	1.083

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.128362	5.0	551135.0	1.026899	Y
2	IC 410-662998/8	0.25	0.255872	5.0	563934.0	1.023489	Y
3	IC 410-662998/7	1.25	1.410549	5.0	540226.0	1.128439	Y
4	IC 410-662998/6	3.75	4.16761	5.0	571283.0	1.111363	Y
5	IC 410-662998/5	7.5	8.251689	5.0	559909.0	1.100225	Y
6	ICIS 410-662998/2	12.5	13.660501	5.0	602020.0	1.09284	Y
7	IC 410-662998/4	20.0	21.518804	5.0	561297.0	1.07594	Y
8	IC 410-662998/3	30.0	33.146304	5.0	543916.0	1.104877	Y



09/19/2025

Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

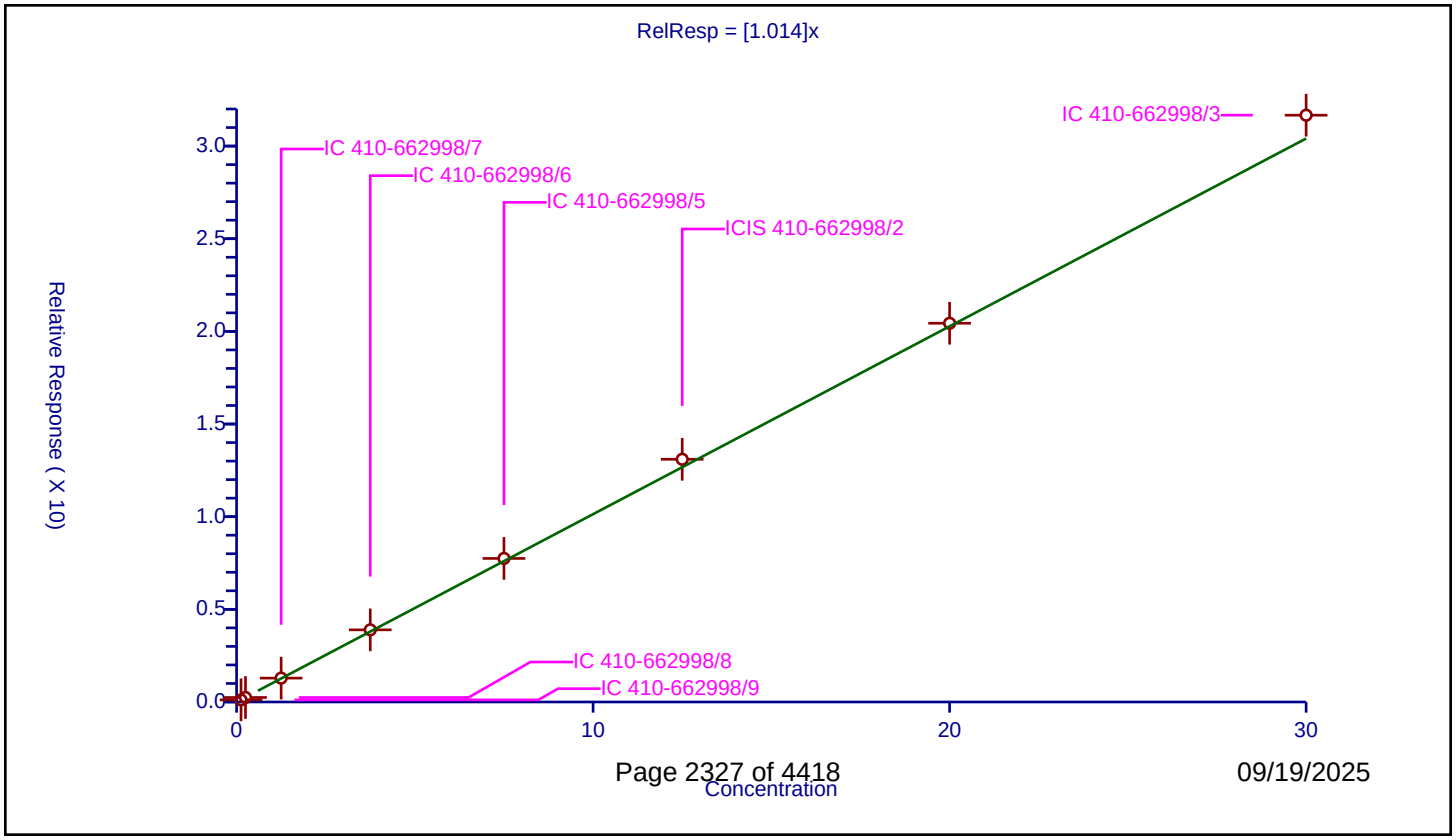
Curve Coefficients

Intercept:	0
Slope:	1.014

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.113892	5.0	551135.0	0.911138	Y
2	IC 410-662998/8	0.25	0.242422	5.0	563934.0	0.969688	Y
3	IC 410-662998/7	1.25	1.289266	5.0	540226.0	1.031413	Y
4	IC 410-662998/6	3.75	3.893657	5.0	571283.0	1.038309	Y
5	IC 410-662998/5	7.5	7.747723	5.0	559909.0	1.03303	Y
6	ICIS 410-662998/2	12.5	13.097464	5.0	602020.0	1.047797	Y
7	IC 410-662998/4	20.0	20.438164	5.0	561297.0	1.021908	Y
8	IC 410-662998/3	30.0	31.666397	5.0	543916.0	1.055547	Y



09/19/2025

Calibration / Methyl parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

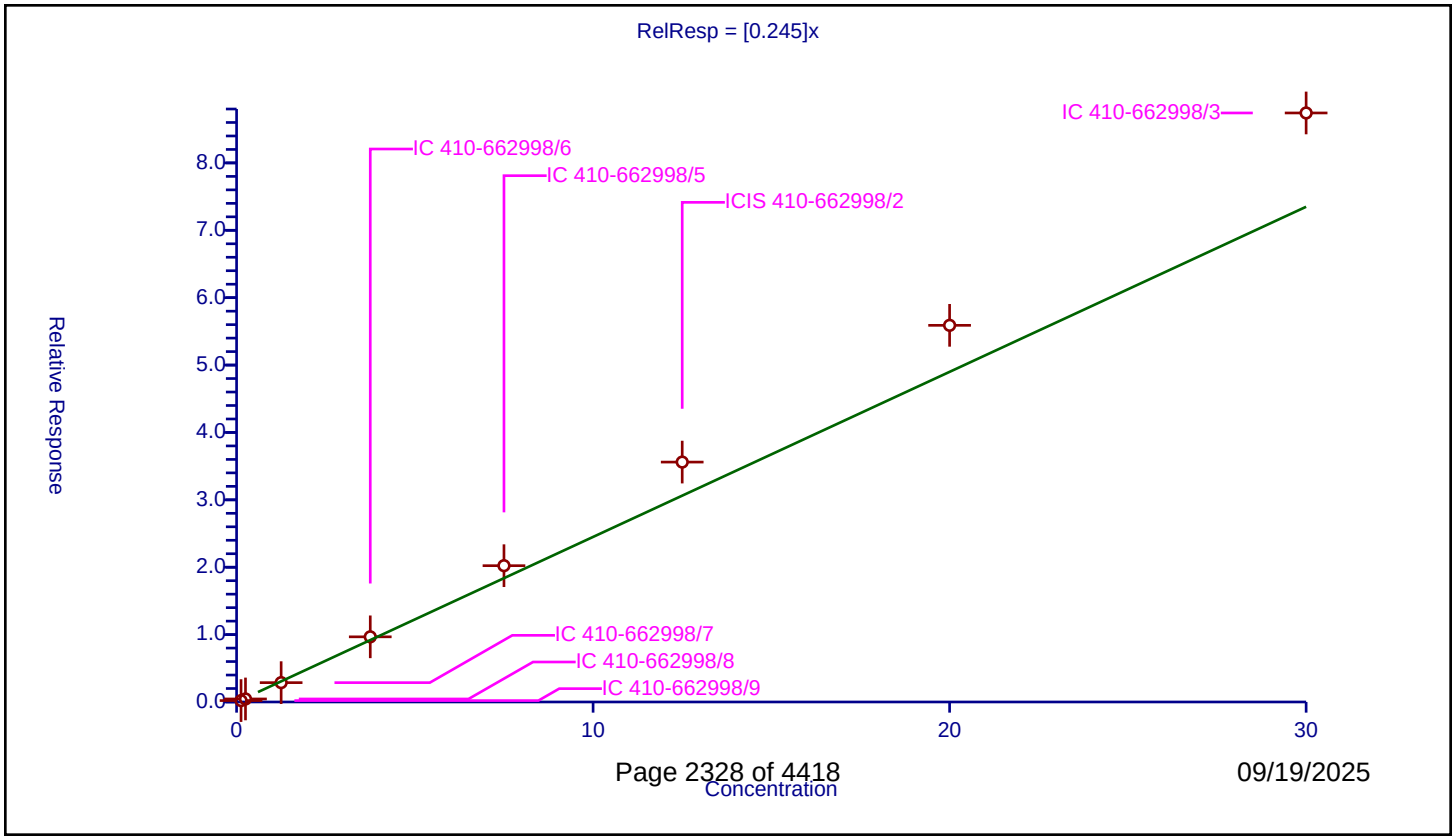
Curve Coefficients

Intercept:	0
Slope:	0.245

Error Coefficients

Relative Standard Deviation:	19.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.020939	5.0	551135.0	0.167509	Y
2	IC 410-662998/8	0.25	0.044801	5.0	563934.0	0.179205	Y
3	IC 410-662998/7	1.25	0.287241	5.0	540226.0	0.229793	Y
4	IC 410-662998/6	3.75	0.96692	5.0	571283.0	0.257845	Y
5	IC 410-662998/5	7.5	2.022873	5.0	559909.0	0.269716	Y
6	ICIS 410-662998/2	12.5	3.560372	5.0	602020.0	0.28483	Y
7	IC 410-662998/4	20.0	5.589857	5.0	561297.0	0.279493	Y
8	IC 410-662998/3	30.0	8.74157	5.0	543916.0	0.291386	Y



09/19/2025

Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

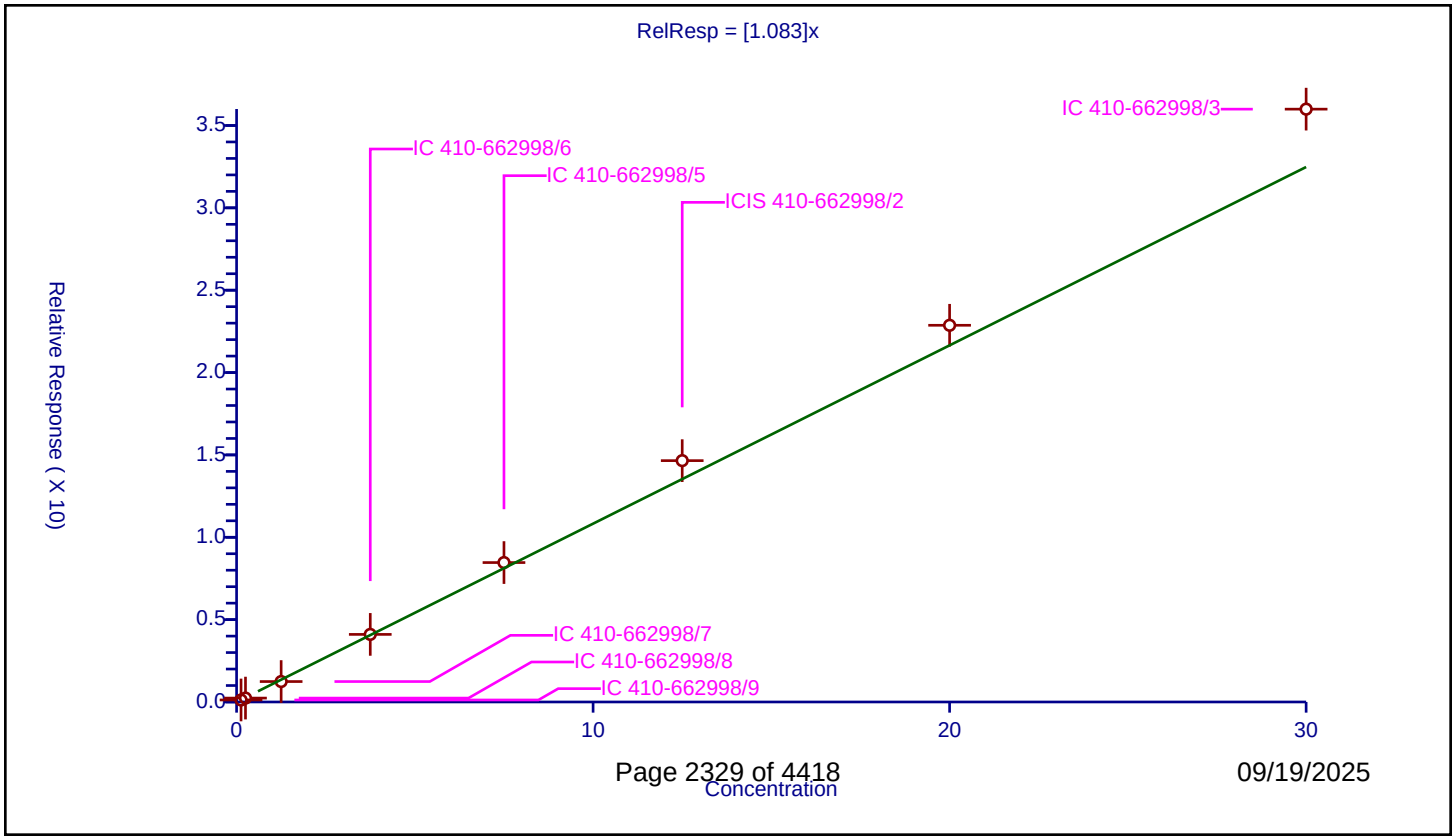
Curve Coefficients

Intercept:	0
Slope:	1.083

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.122692	5.0	551135.0	0.981538	Y
2	IC 410-662998/8	0.25	0.237076	5.0	563934.0	0.948302	Y
3	IC 410-662998/7	1.25	1.240851	5.0	540226.0	0.992681	Y
4	IC 410-662998/6	3.75	4.104017	5.0	571283.0	1.094404	Y
5	IC 410-662998/5	7.5	8.464277	5.0	559909.0	1.12857	Y
6	ICIS 410-662998/2	12.5	14.652487	5.0	602020.0	1.172199	Y
7	IC 410-662998/4	20.0	22.869488	5.0	561297.0	1.143474	Y
8	IC 410-662998/3	30.0	35.992313	5.0	543916.0	1.199744	Y



Calibration / Ethyl Parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

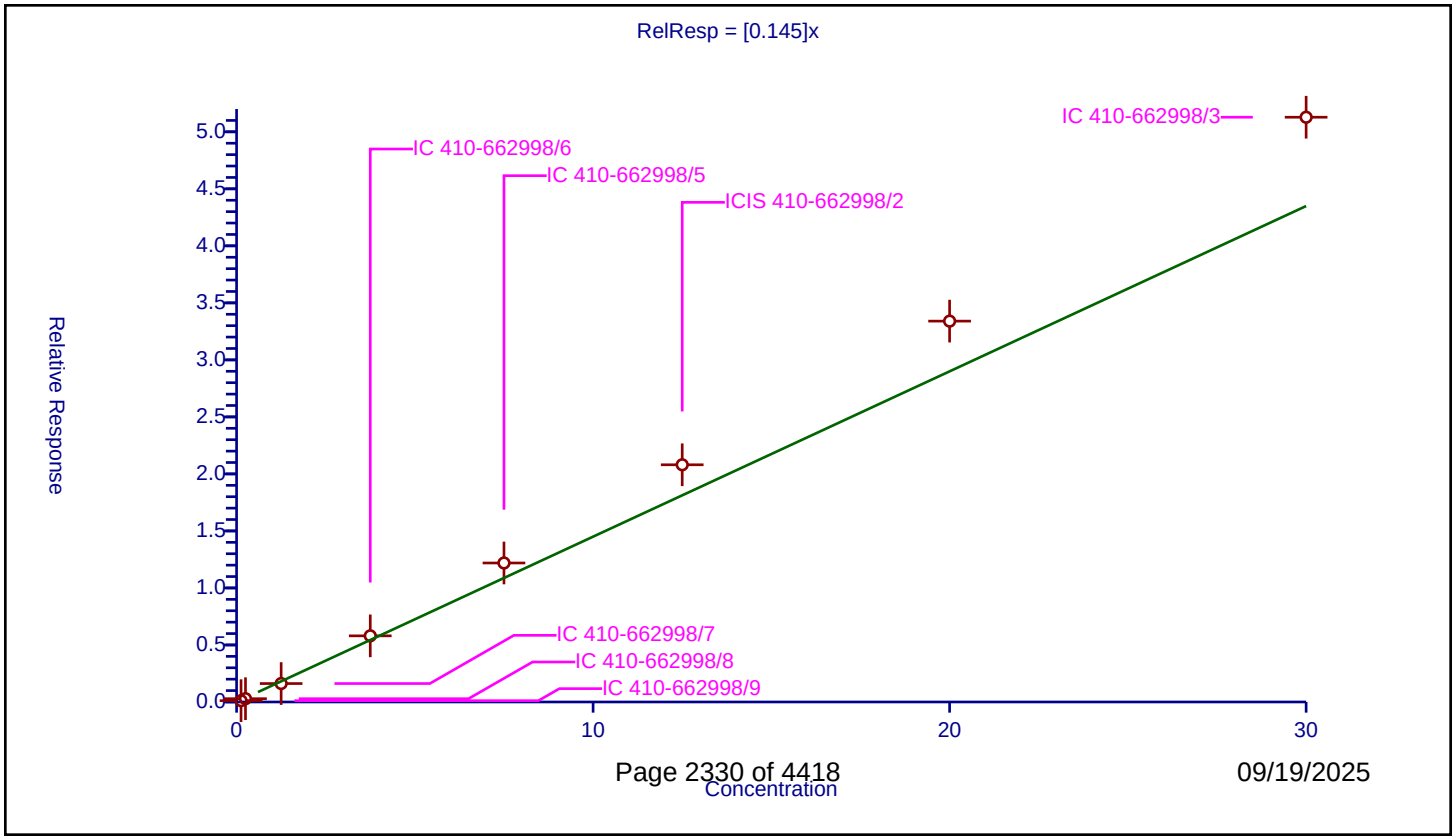
Curve Coefficients

Intercept:	0
Slope:	0.145

Error Coefficients

Relative Standard Deviation:	19.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.011649	5.0	551135.0	0.09319	Y
2	IC 410-662998/8	0.25	0.028886	5.0	563934.0	0.115545	Y
3	IC 410-662998/7	1.25	0.161803	5.0	540226.0	0.129442	Y
4	IC 410-662998/6	3.75	0.580124	5.0	571283.0	0.1547	Y
5	IC 410-662998/5	7.5	1.218993	5.0	559909.0	0.162532	Y
6	ICIS 410-662998/2	12.5	2.080205	5.0	602020.0	0.166416	Y
7	IC 410-662998/4	20.0	3.339872	5.0	561297.0	0.166994	Y
8	IC 410-662998/3	30.0	5.127952	5.0	543916.0	0.170932	Y



Calibration / 4-Nitroquinoline-1-oxide

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

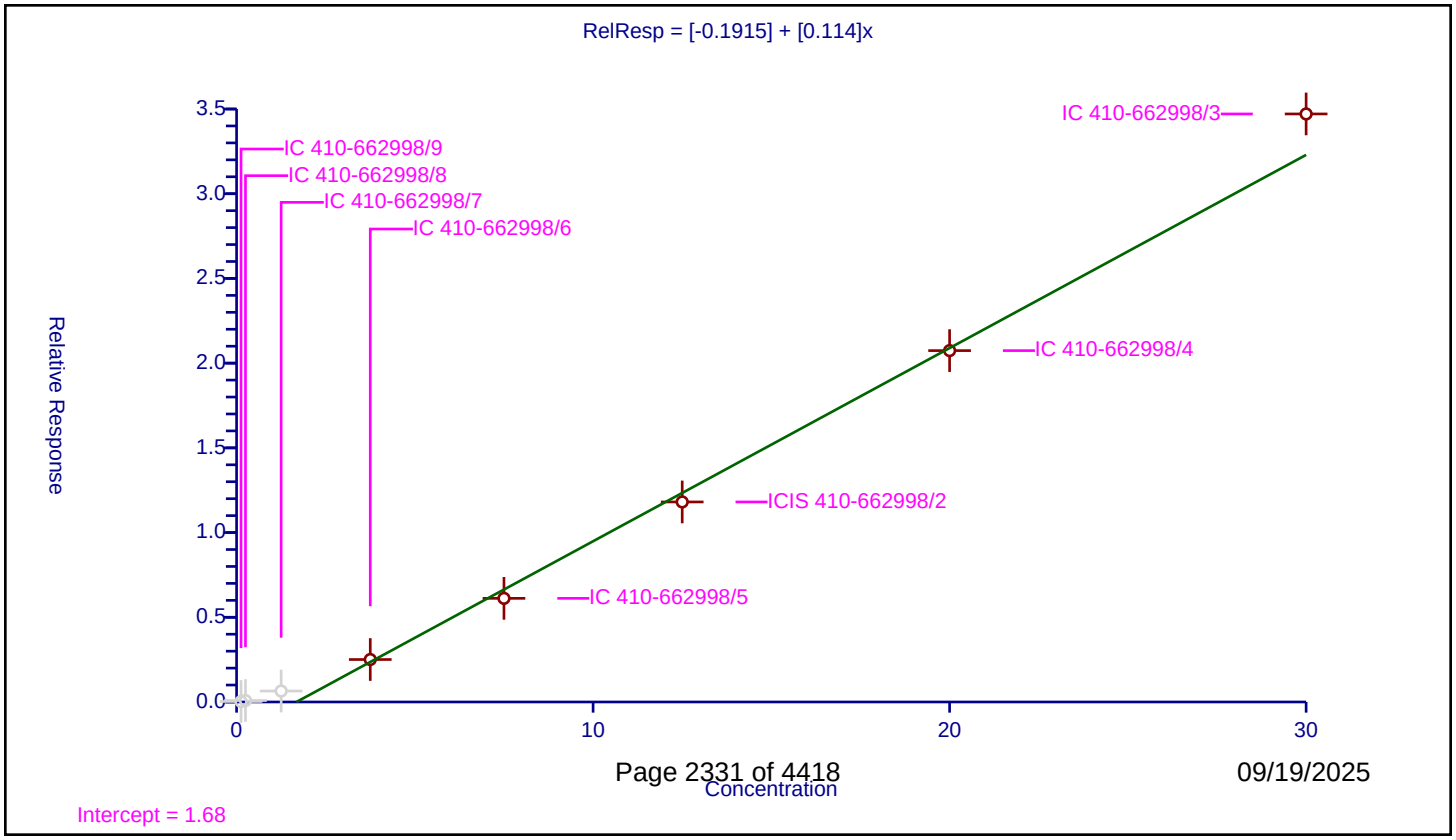
Curve Coefficients

Intercept:	-0.1915
Slope:	0.114

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.003012	5.0	551135.0	0.024096	N
2	IC 410-662998/8	0.25	0.008689	5.0	563934.0	0.034756	N
3	IC 410-662998/7	1.25	0.064603	5.0	540226.0	0.051682	N
4	IC 410-662998/6	3.75	0.25062	5.0	571283.0	0.066832	Y
5	IC 410-662998/5	7.5	0.611707	5.0	559909.0	0.081561	Y
6	ICIS 410-662998/2	12.5	1.180775	5.0	602020.0	0.094462	Y
7	IC 410-662998/4	20.0	2.074	5.0	561297.0	0.1037	Y
8	IC 410-662998/3	30.0	3.470904	5.0	543916.0	0.115697	Y



Calibration / Octachlorostyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

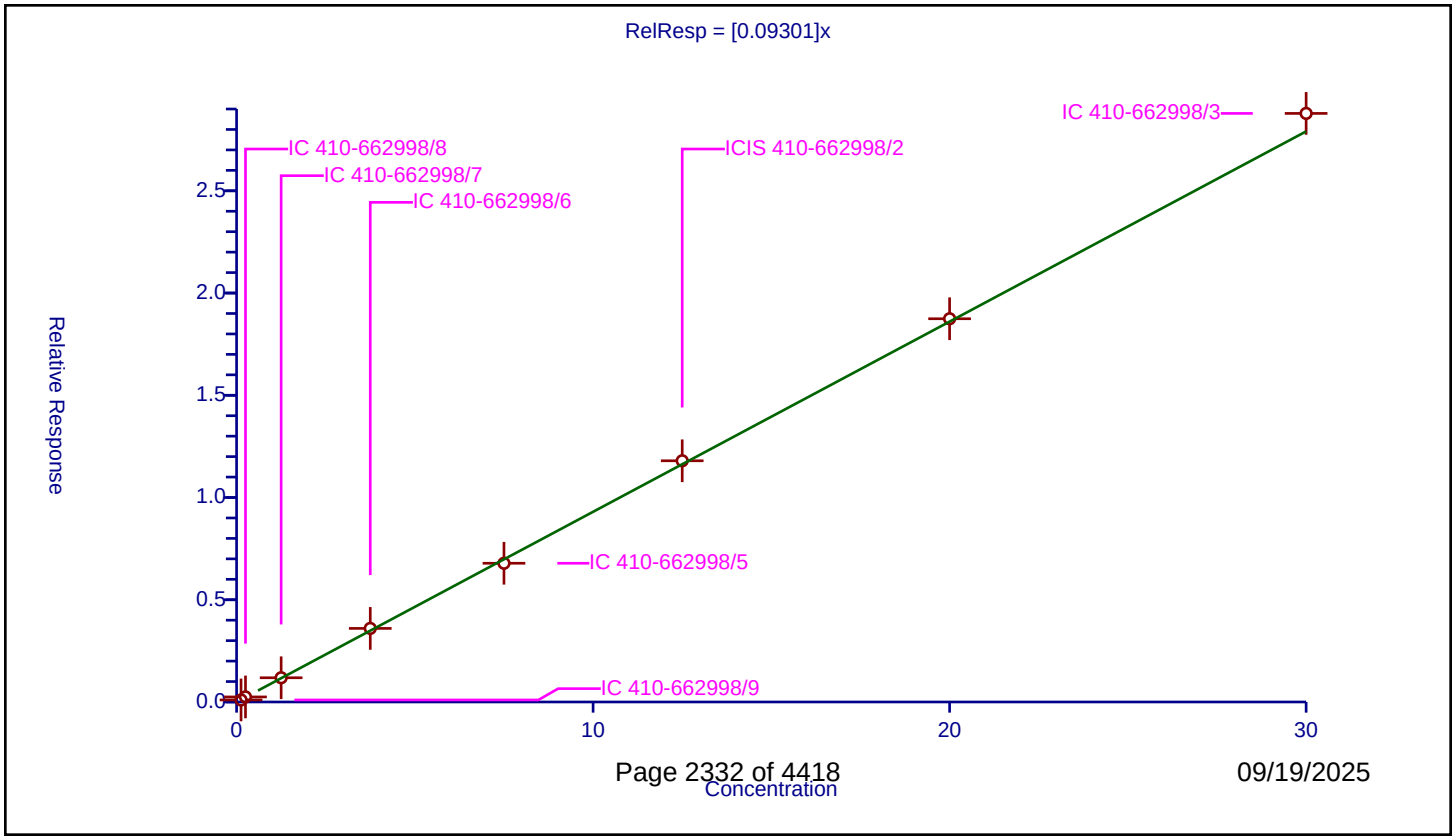
Curve Coefficients

Intercept:	0
Slope:	0.09301

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.010025	5.0	551135.0	0.080198	Y
2	IC 410-662998/8	0.25	0.024657	5.0	563934.0	0.098629	Y
3	IC 410-662998/7	1.25	0.118497	5.0	540226.0	0.094797	Y
4	IC 410-662998/6	3.75	0.359935	5.0	571283.0	0.095983	Y
5	IC 410-662998/5	7.5	0.678521	5.0	559909.0	0.090469	Y
6	ICIS 410-662998/2	12.5	1.17962	5.0	602020.0	0.09437	Y
7	IC 410-662998/4	20.0	1.87432	5.0	561297.0	0.093716	Y
8	IC 410-662998/3	30.0	2.878514	5.0	543916.0	0.09595	Y



Calibration / Isodrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

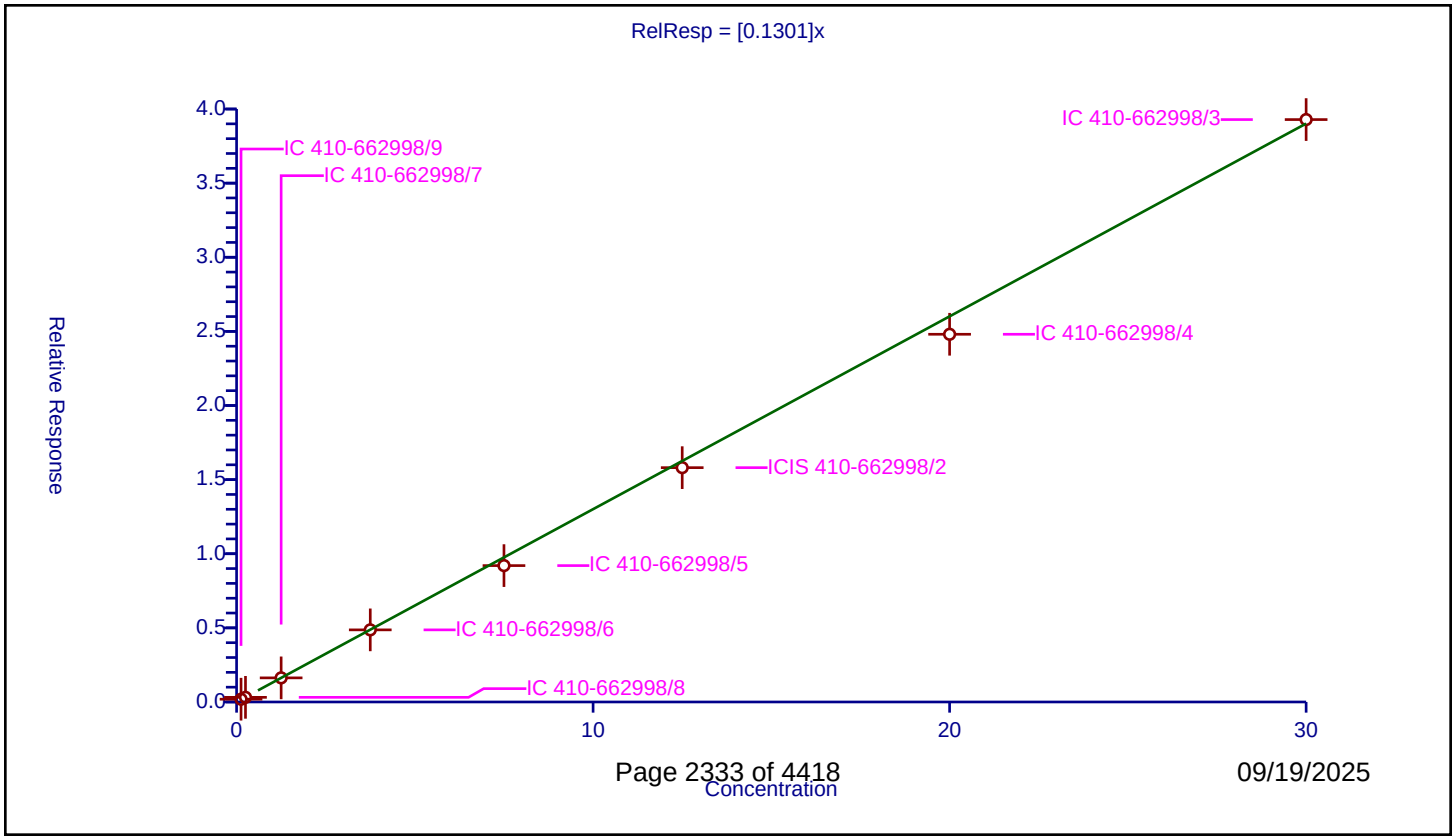
Curve Coefficients

Intercept:	0
Slope:	0.1301

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.018834	5.0	551135.0	0.150671	Y
2	IC 410-662998/8	0.25	0.031458	5.0	563934.0	0.12583	Y
3	IC 410-662998/7	1.25	0.162682	5.0	540226.0	0.130146	Y
4	IC 410-662998/6	3.75	0.486501	5.0	571283.0	0.129734	Y
5	IC 410-662998/5	7.5	0.92006	5.0	559909.0	0.122675	Y
6	ICIS 410-662998/2	12.5	1.580728	5.0	602020.0	0.126458	Y
7	IC 410-662998/4	20.0	2.480452	5.0	561297.0	0.124023	Y
8	IC 410-662998/3	30.0	3.928787	5.0	543916.0	0.13096	Y



Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

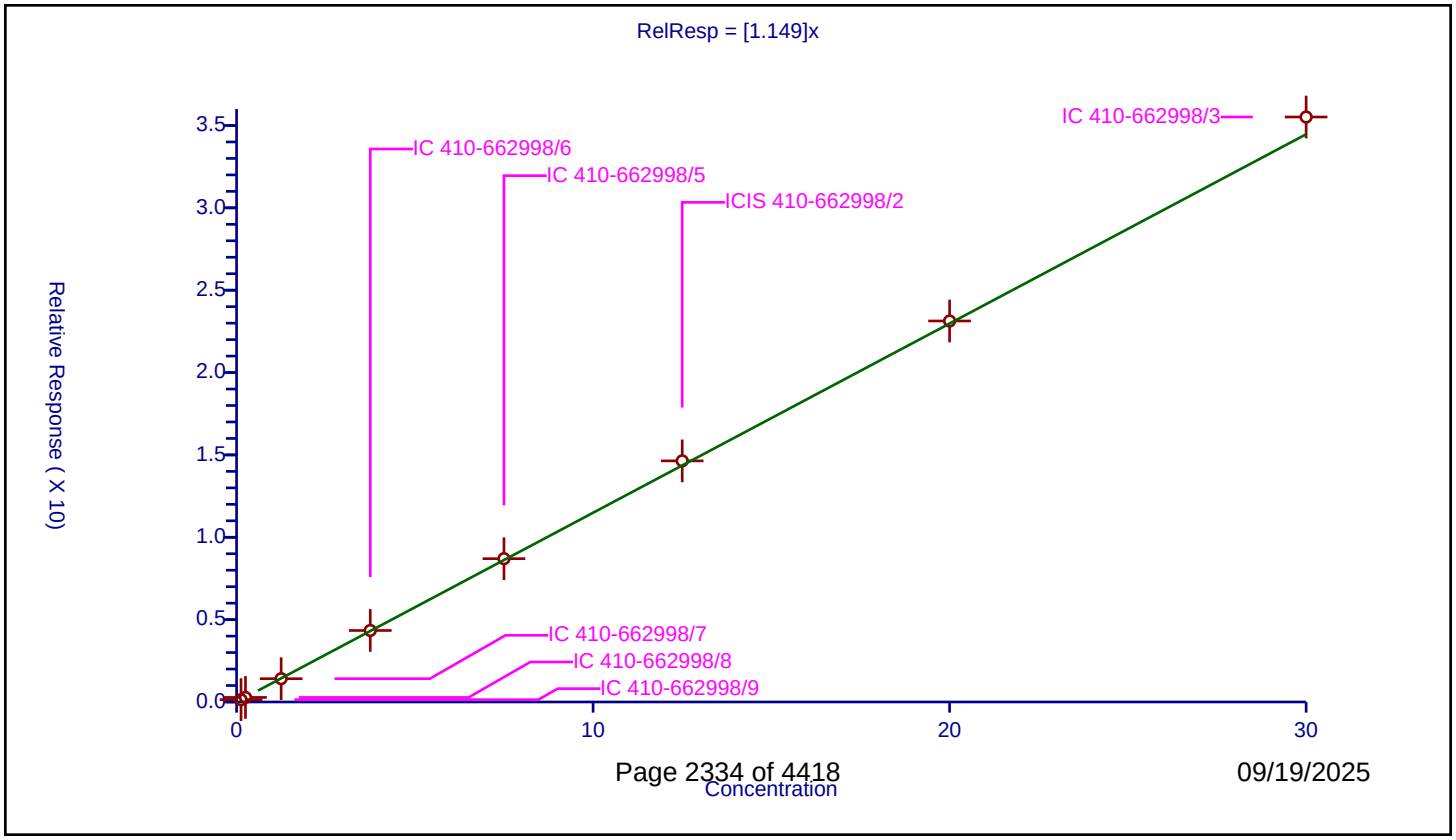
Curve Coefficients

Intercept:	0
Slope:	1.149

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.140846	5.0	551135.0	1.126766	Y
2	IC 410-662998/8	0.25	0.275857	5.0	563934.0	1.103427	Y
3	IC 410-662998/7	1.25	1.414269	5.0	540226.0	1.131415	Y
4	IC 410-662998/6	3.75	4.341465	5.0	571283.0	1.157724	Y
5	IC 410-662998/5	7.5	8.701584	5.0	559909.0	1.160211	Y
6	ICIS 410-662998/2	12.5	14.63821	5.0	602020.0	1.171057	Y
7	IC 410-662998/4	20.0	23.13066	5.0	561297.0	1.156533	Y
8	IC 410-662998/3	30.0	35.514032	5.0	543916.0	1.183801	Y



09/19/2025

Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

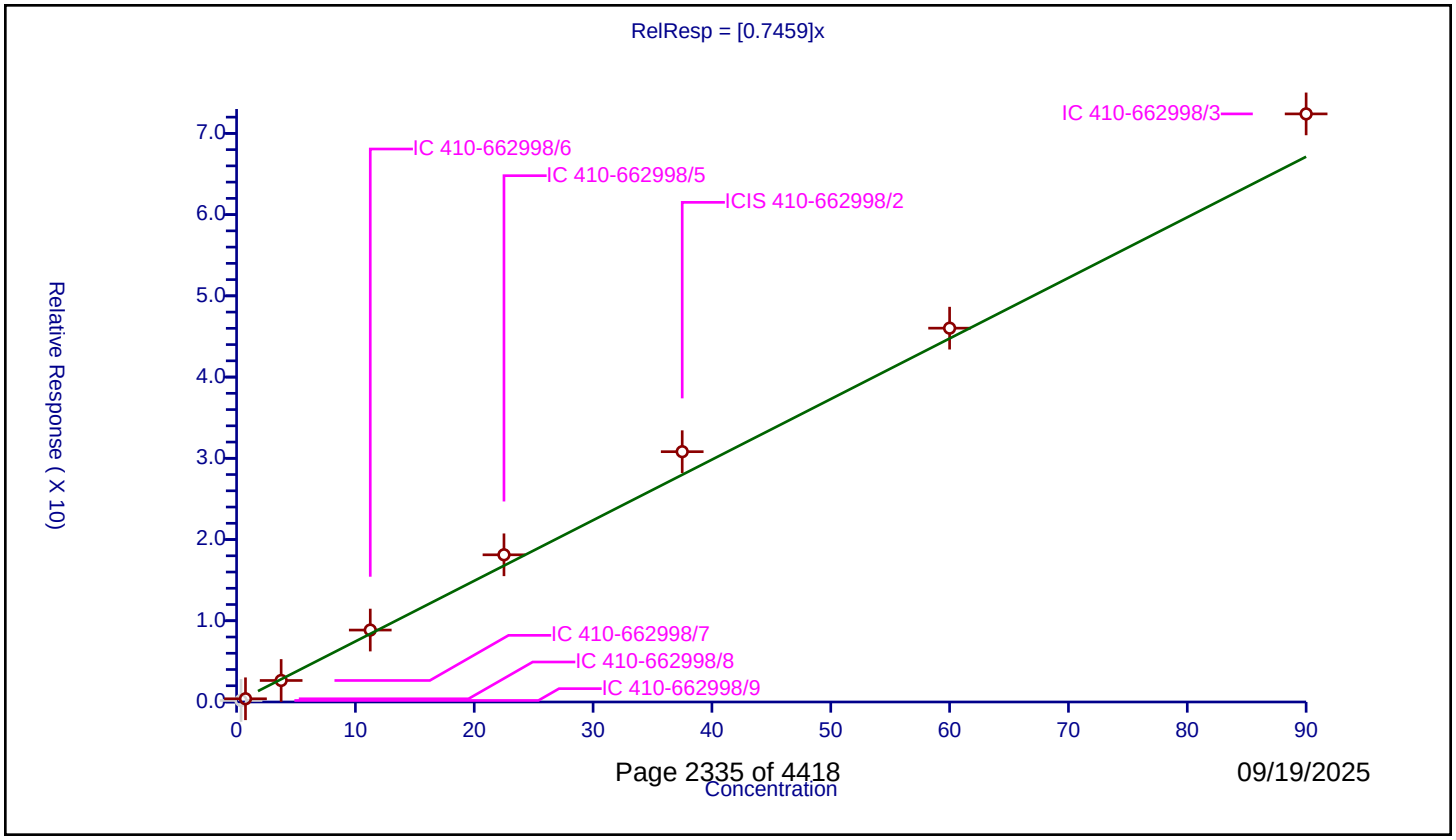
Curve Coefficients

Intercept:	0
Slope:	0.7459

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.375	0.190248	5.0	526602.0	0.507328	N
2	IC 410-662998/8	0.75	0.396808	5.0	539140.0	0.529077	Y
3	IC 410-662998/7	3.75	2.648695	5.0	532366.0	0.706319	Y
4	IC 410-662998/6	11.25	8.854725	5.0	573443.0	0.787087	Y
5	IC 410-662998/5	22.5	18.120696	5.0	553359.0	0.805364	Y
6	ICIS 410-662998/2	37.5	30.816337	5.0	600230.0	0.821769	Y
7	IC 410-662998/4	60.0	46.022628	5.0	567274.0	0.767044	Y
8	IC 410-662998/3	90.0	72.398434	5.0	522195.0	0.804427	Y



09/19/2025

Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

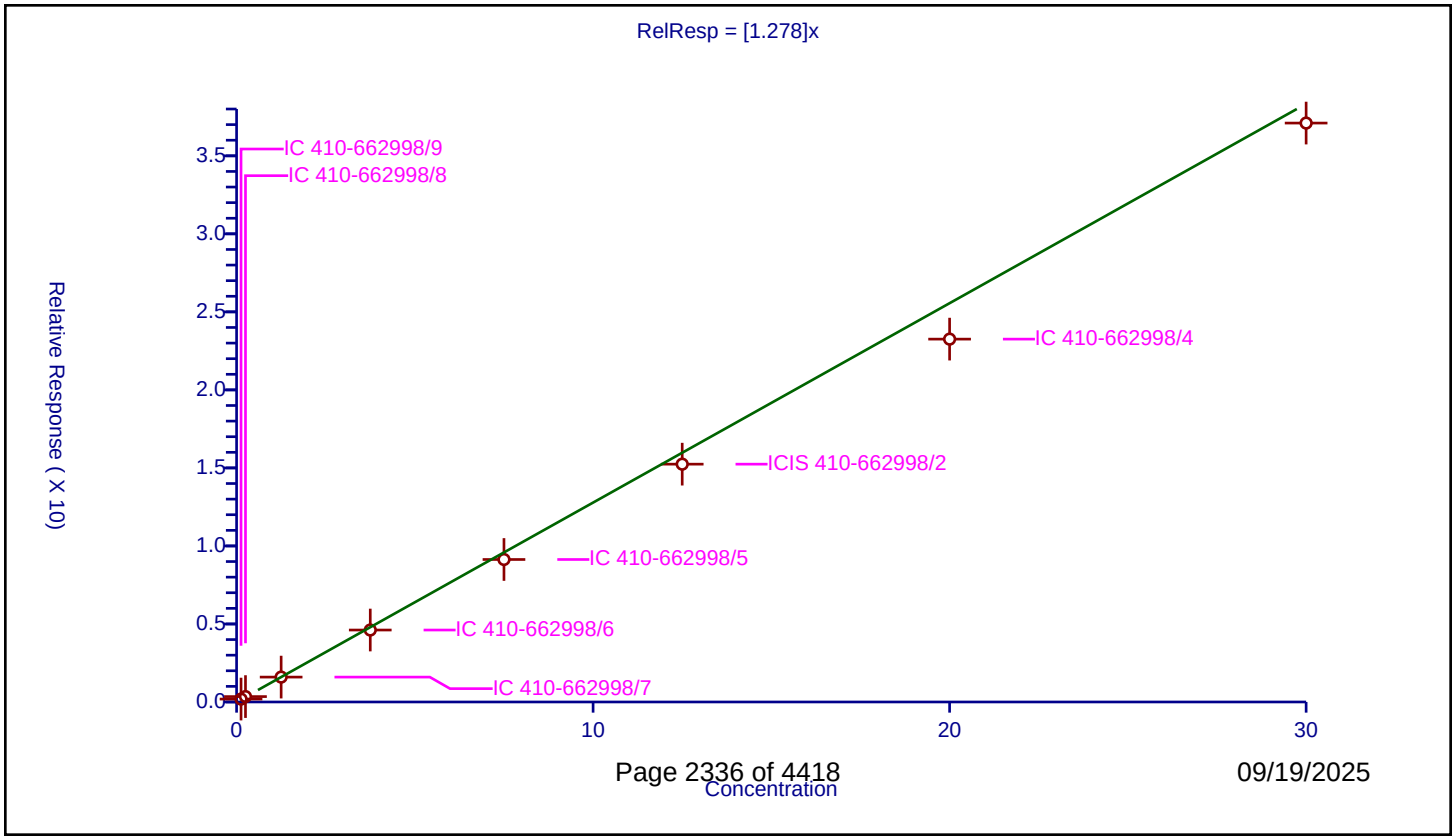
Curve Coefficients

Intercept:	0
Slope:	1.278

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.186697	5.0	526602.0	1.493576	Y
2	IC 410-662998/8	0.25	0.346626	5.0	539140.0	1.386504	Y
3	IC 410-662998/7	1.25	1.595378	5.0	532366.0	1.276302	Y
4	IC 410-662998/6	3.75	4.612054	5.0	573443.0	1.229881	Y
5	IC 410-662998/5	7.5	9.131974	5.0	553359.0	1.217597	Y
6	ICIS 410-662998/2	12.5	15.241341	5.0	600230.0	1.219307	Y
7	IC 410-662998/4	20.0	23.254001	5.0	567274.0	1.1627	Y
8	IC 410-662998/3	30.0	37.098593	5.0	522195.0	1.23662	Y



Calibration / p-Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

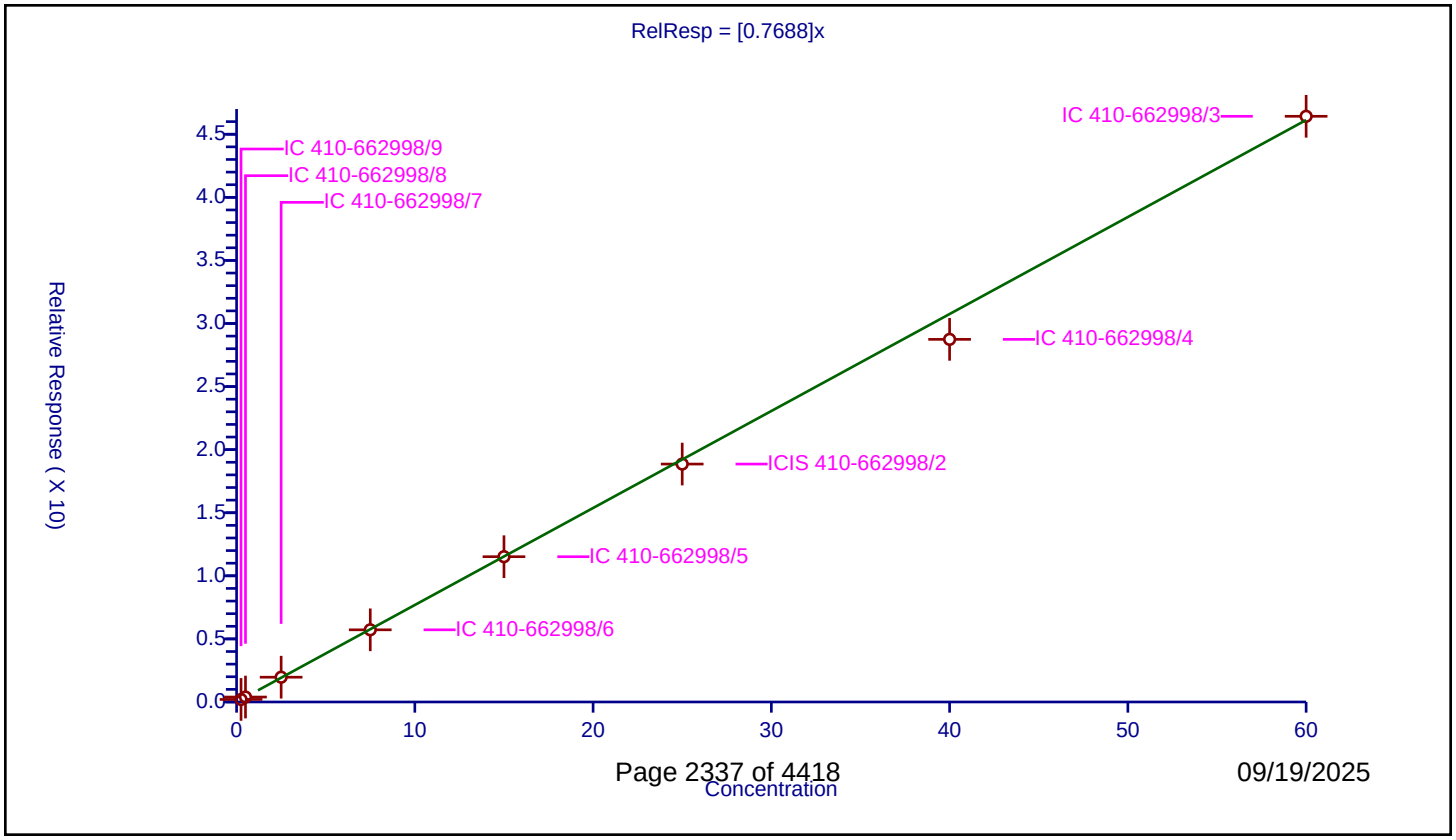
Curve Coefficients

Intercept:	0
Slope:	0.7688

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.25	0.20092	5.0	526602.0	0.803681	Y
2	IC 410-662998/8	0.5	0.391856	5.0	539140.0	0.783711	Y
3	IC 410-662998/7	2.5	1.96364	5.0	532366.0	0.785456	Y
4	IC 410-662998/6	7.5	5.721563	5.0	573443.0	0.762875	Y
5	IC 410-662998/5	15.0	11.516213	5.0	553359.0	0.767748	Y
6	ICIS 410-662998/2	25.0	18.859895	5.0	600230.0	0.754396	Y
7	IC 410-662998/4	40.0	28.742583	5.0	567274.0	0.718565	Y
8	IC 410-662998/3	60.0	46.423156	5.0	522195.0	0.773719	Y



09/19/2025

Calibration / p-Dimethylamino azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

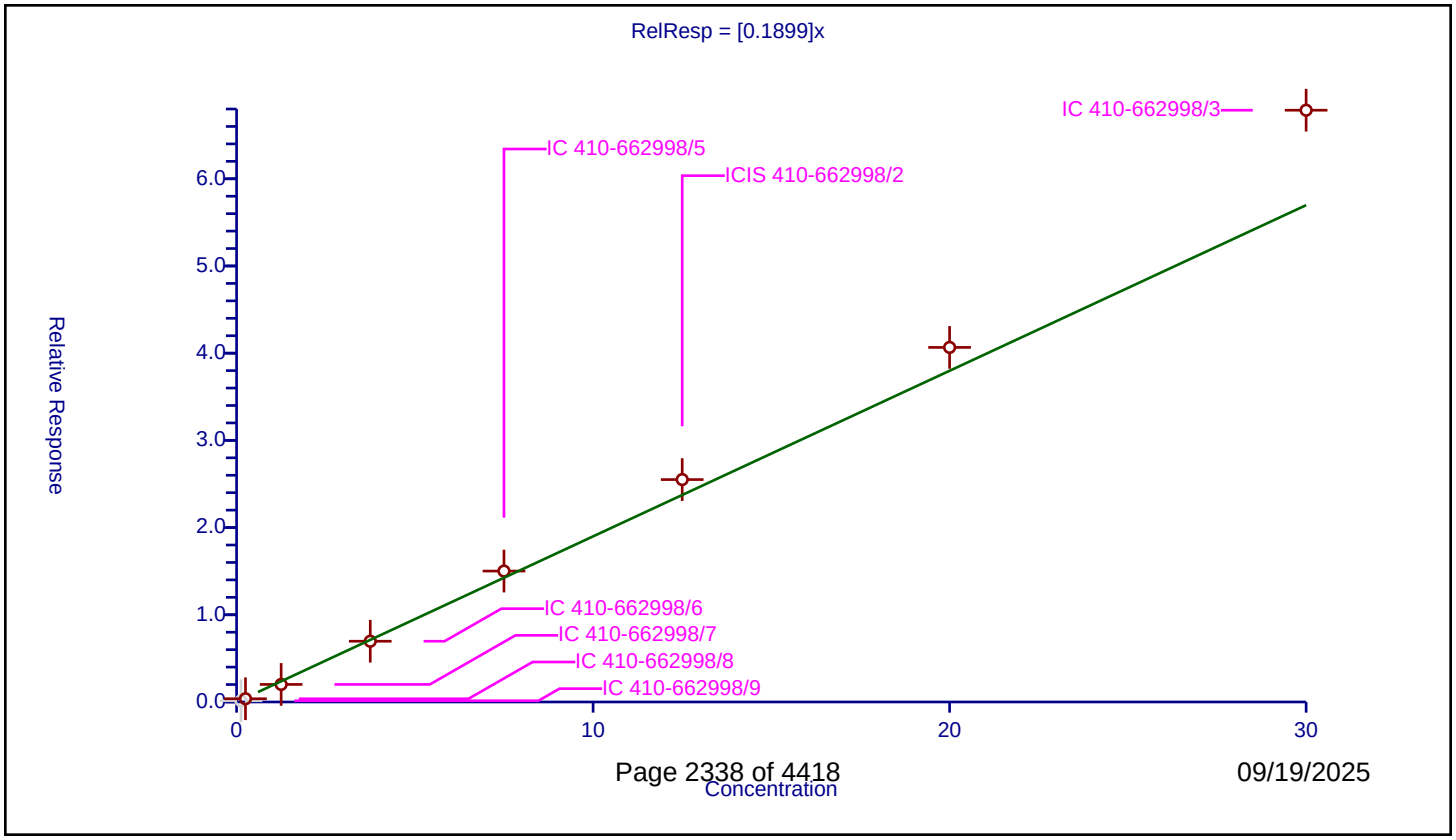
Curve Coefficients

Intercept:	0
Slope:	0.1899

Error Coefficients

Relative Standard Deviation:	14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.014347	5.0	526602.0	0.114774	N
2	IC 410-662998/8	0.25	0.037217	5.0	539140.0	0.148867	Y
3	IC 410-662998/7	1.25	0.201224	5.0	532366.0	0.160979	Y
4	IC 410-662998/6	3.75	0.696817	5.0	573443.0	0.185818	Y
5	IC 410-662998/5	7.5	1.501204	5.0	553359.0	0.200161	Y
6	ICIS 410-662998/2	12.5	2.550606	5.0	600230.0	0.204048	Y
7	IC 410-662998/4	20.0	4.066113	5.0	567274.0	0.203306	Y
8	IC 410-662998/3	30.0	6.786335	5.0	522195.0	0.226211	Y



Calibration / Chlorobenzilate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

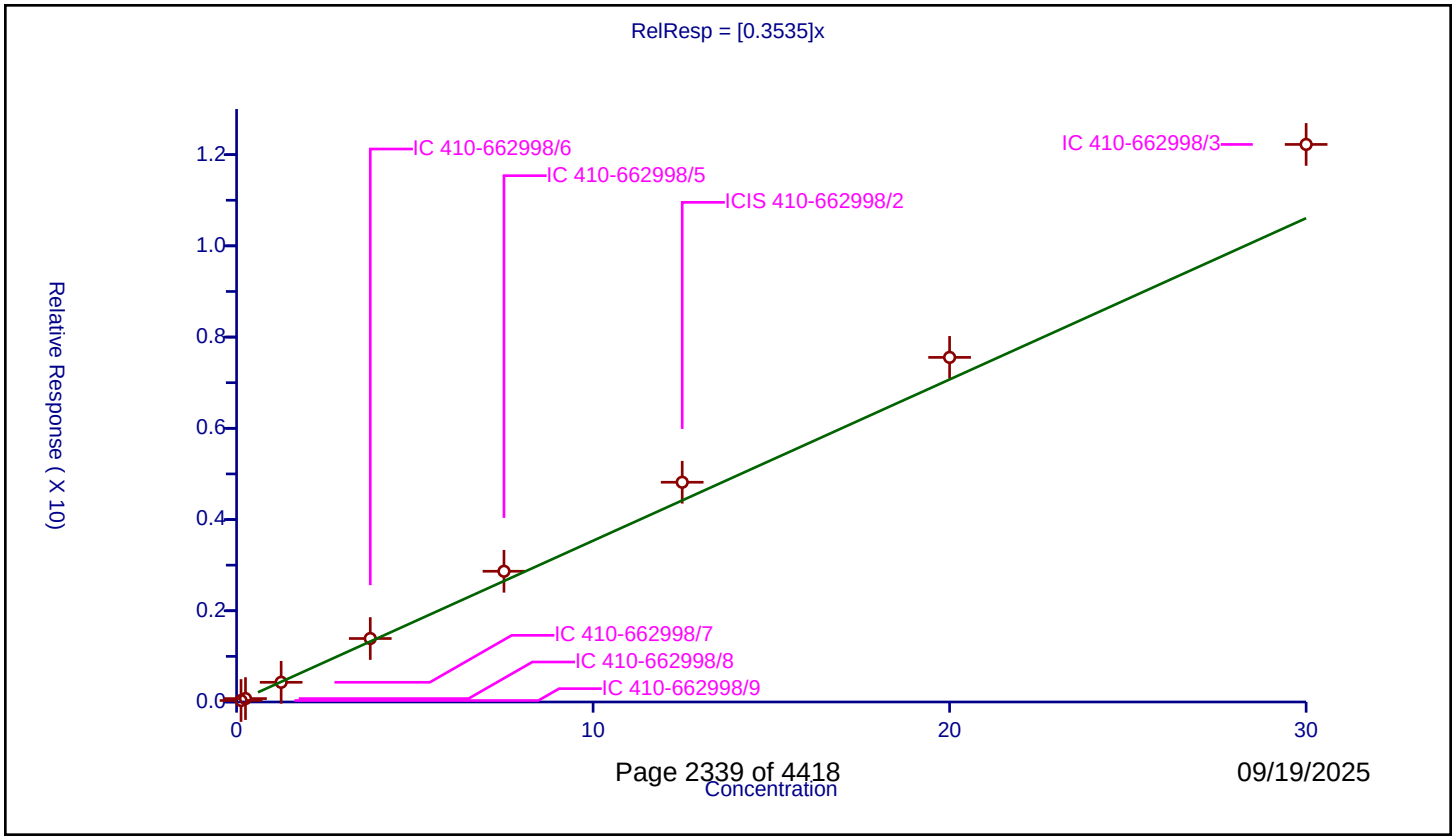
Curve Coefficients

Intercept:	0
Slope:	0.3535

Error Coefficients

Relative Standard Deviation:	14.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.032681	5.0	526602.0	0.26145	Y
2	IC 410-662998/8	0.25	0.074489	5.0	539140.0	0.297956	Y
3	IC 410-662998/7	1.25	0.431461	5.0	532366.0	0.345169	Y
4	IC 410-662998/6	3.75	1.391603	5.0	573443.0	0.371094	Y
5	IC 410-662998/5	7.5	2.865852	5.0	553359.0	0.382114	Y
6	ICIS 410-662998/2	12.5	4.817362	5.0	600230.0	0.385389	Y
7	IC 410-662998/4	20.0	7.554586	5.0	567274.0	0.377729	Y
8	IC 410-662998/3	30.0	12.223422	5.0	522195.0	0.407447	Y



09/19/2025

Calibration / 3,3'-Dimethylbenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

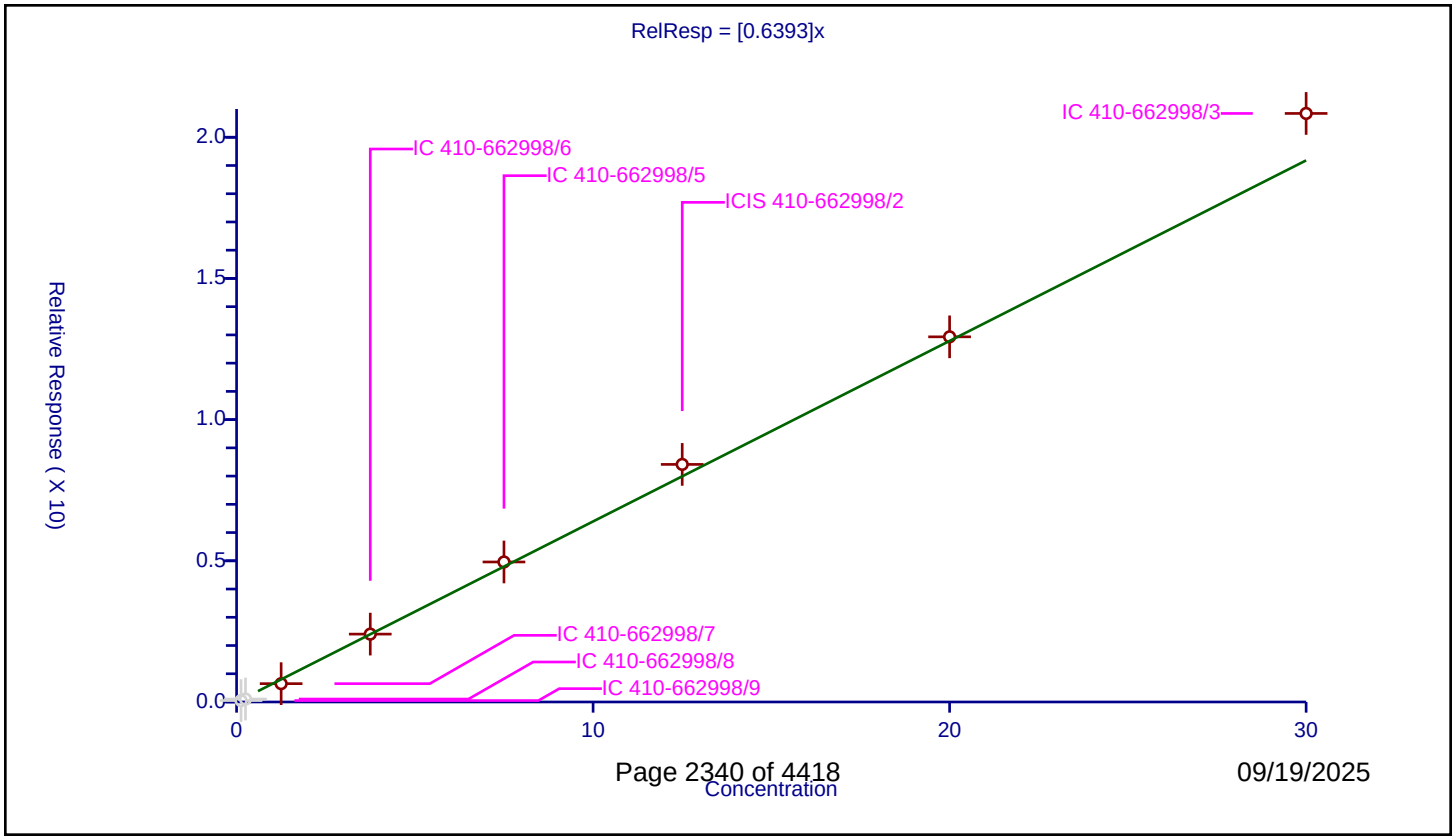
Curve Coefficients

Intercept:	0
Slope:	0.6393

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.050104	5.0	526602.0	0.400834	N
2	IC 410-662998/8	0.25	0.104101	5.0	539140.0	0.416404	N
3	IC 410-662998/7	1.25	0.649271	5.0	532366.0	0.519417	Y
4	IC 410-662998/6	3.75	2.403683	5.0	573443.0	0.640982	Y
5	IC 410-662998/5	7.5	4.958716	5.0	553359.0	0.661162	Y
6	ICIS 410-662998/2	12.5	8.413941	5.0	600230.0	0.673115	Y
7	IC 410-662998/4	20.0	12.932013	5.0	567274.0	0.646601	Y
8	IC 410-662998/3	30.0	20.843488	5.0	522195.0	0.694783	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

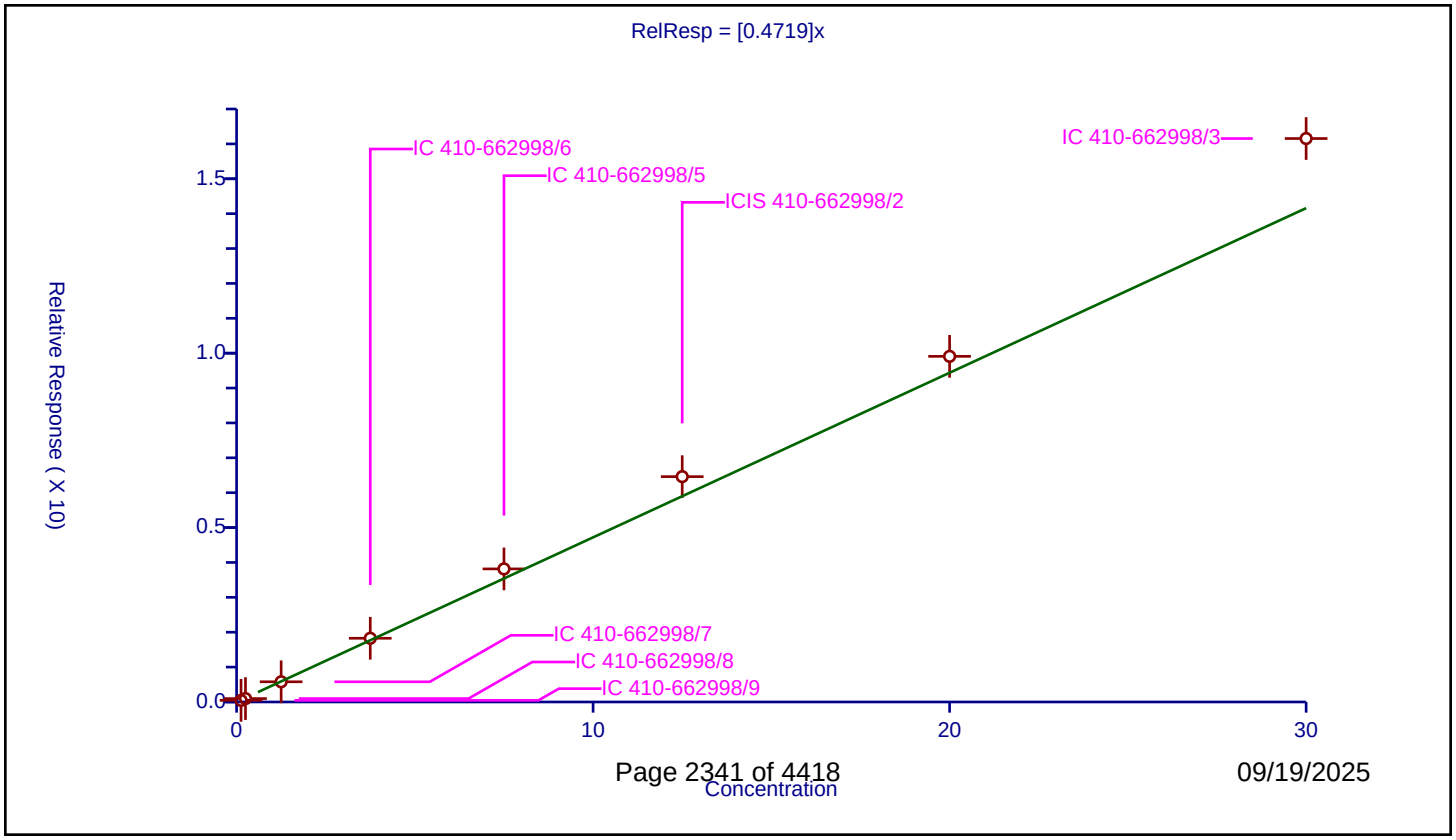
Curve Coefficients

Intercept:	0
Slope:	0.4719

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.046886	5.0	526602.0	0.375084	Y
2	IC 410-662998/8	0.25	0.097665	5.0	539140.0	0.390659	Y
3	IC 410-662998/7	1.25	0.579047	5.0	532366.0	0.463238	Y
4	IC 410-662998/6	3.75	1.826502	5.0	573443.0	0.487067	Y
5	IC 410-662998/5	7.5	3.815037	5.0	553359.0	0.508672	Y
6	ICIS 410-662998/2	12.5	6.460773	5.0	600230.0	0.516862	Y
7	IC 410-662998/4	20.0	9.909453	5.0	567274.0	0.495473	Y
8	IC 410-662998/3	30.0	16.153726	5.0	522195.0	0.538458	Y



09/19/2025

Calibration / 2-Acetylaminofluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

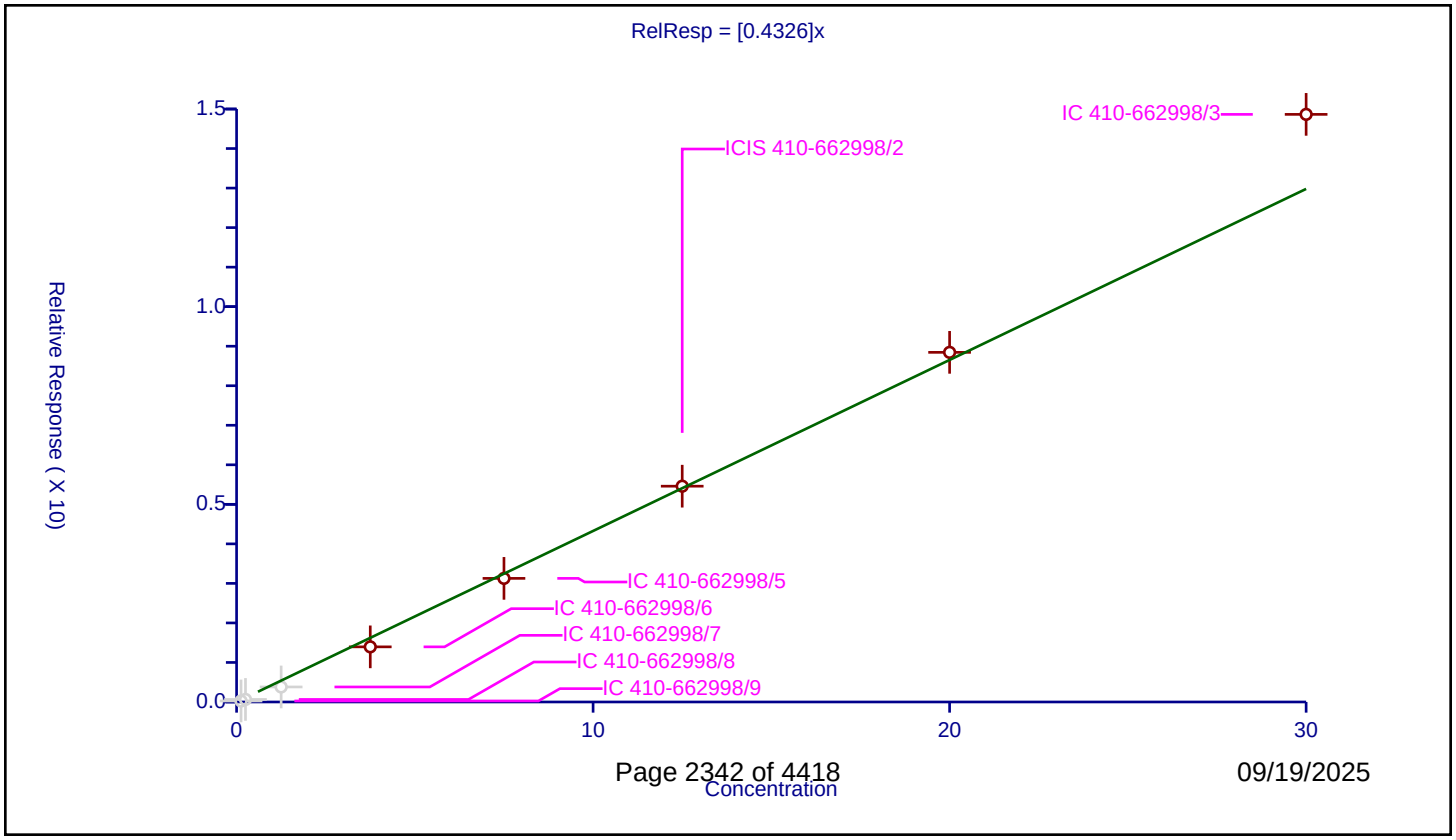
Curve Coefficients

Intercept:	0
Slope:	0.4326

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.026149	5.0	526602.0	0.20919	N
2	IC 410-662998/8	0.25	0.064733	5.0	539140.0	0.258931	N
3	IC 410-662998/7	1.25	0.380424	5.0	532366.0	0.304339	N
4	IC 410-662998/6	3.75	1.394358	5.0	573443.0	0.371829	Y
5	IC 410-662998/5	7.5	3.126894	5.0	553359.0	0.416919	Y
6	ICIS 410-662998/2	12.5	5.458991	5.0	600230.0	0.436719	Y
7	IC 410-662998/4	20.0	8.844306	5.0	567274.0	0.442215	Y
8	IC 410-662998/3	30.0	14.864715	5.0	522195.0	0.495491	Y



Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

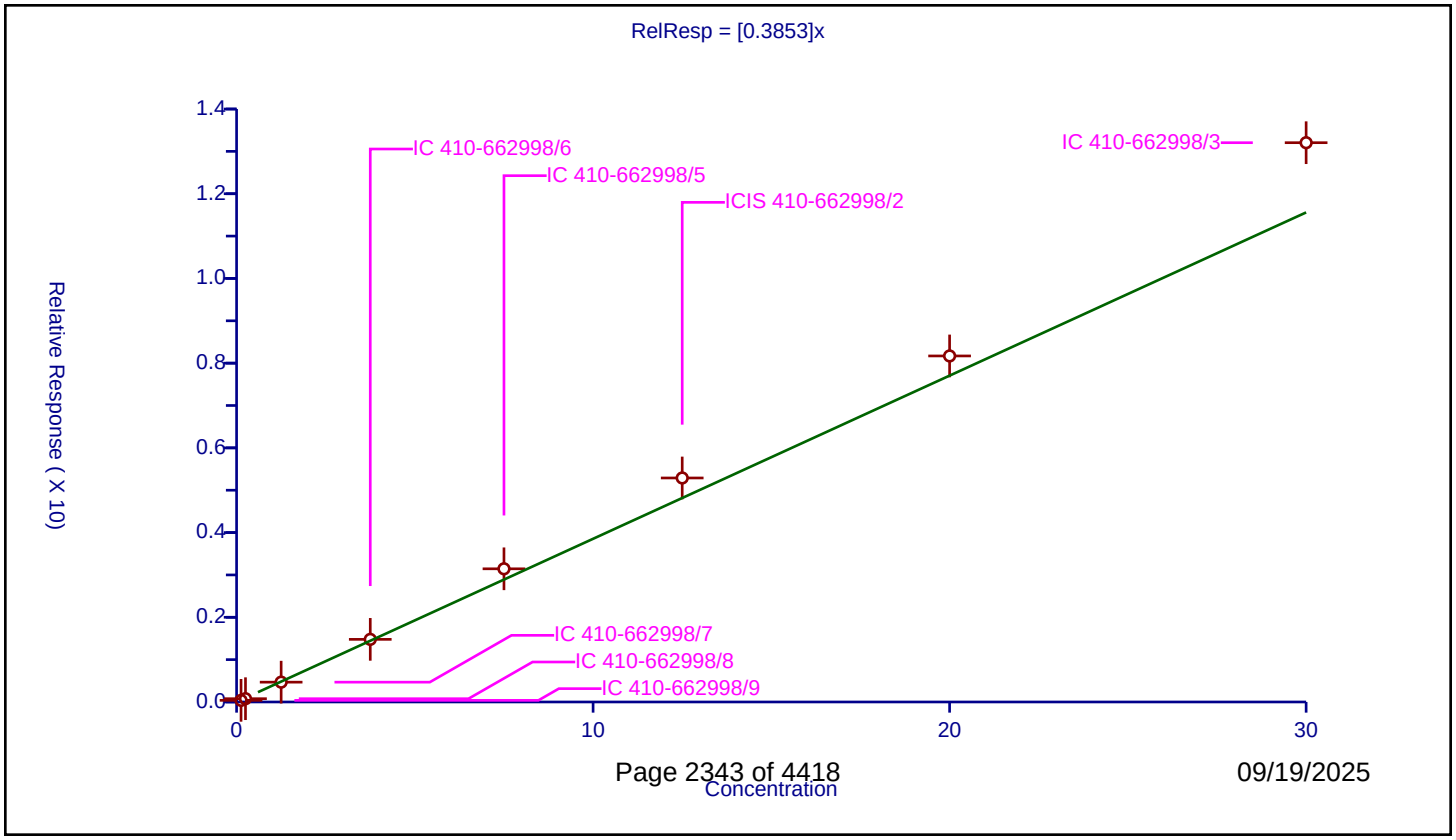
Curve Coefficients

Intercept:	0
Slope:	0.3853

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.038929	5.0	526602.0	0.311431	Y
2	IC 410-662998/8	0.25	0.077753	5.0	539140.0	0.311014	Y
3	IC 410-662998/7	1.25	0.468165	5.0	532366.0	0.374532	Y
4	IC 410-662998/6	3.75	1.478456	5.0	573443.0	0.394255	Y
5	IC 410-662998/5	7.5	3.144631	5.0	553359.0	0.419284	Y
6	ICIS 410-662998/2	12.5	5.288923	5.0	600230.0	0.423114	Y
7	IC 410-662998/4	20.0	8.169747	5.0	567274.0	0.408487	Y
8	IC 410-662998/3	30.0	13.20454	5.0	522195.0	0.440151	Y



09/19/2025

Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

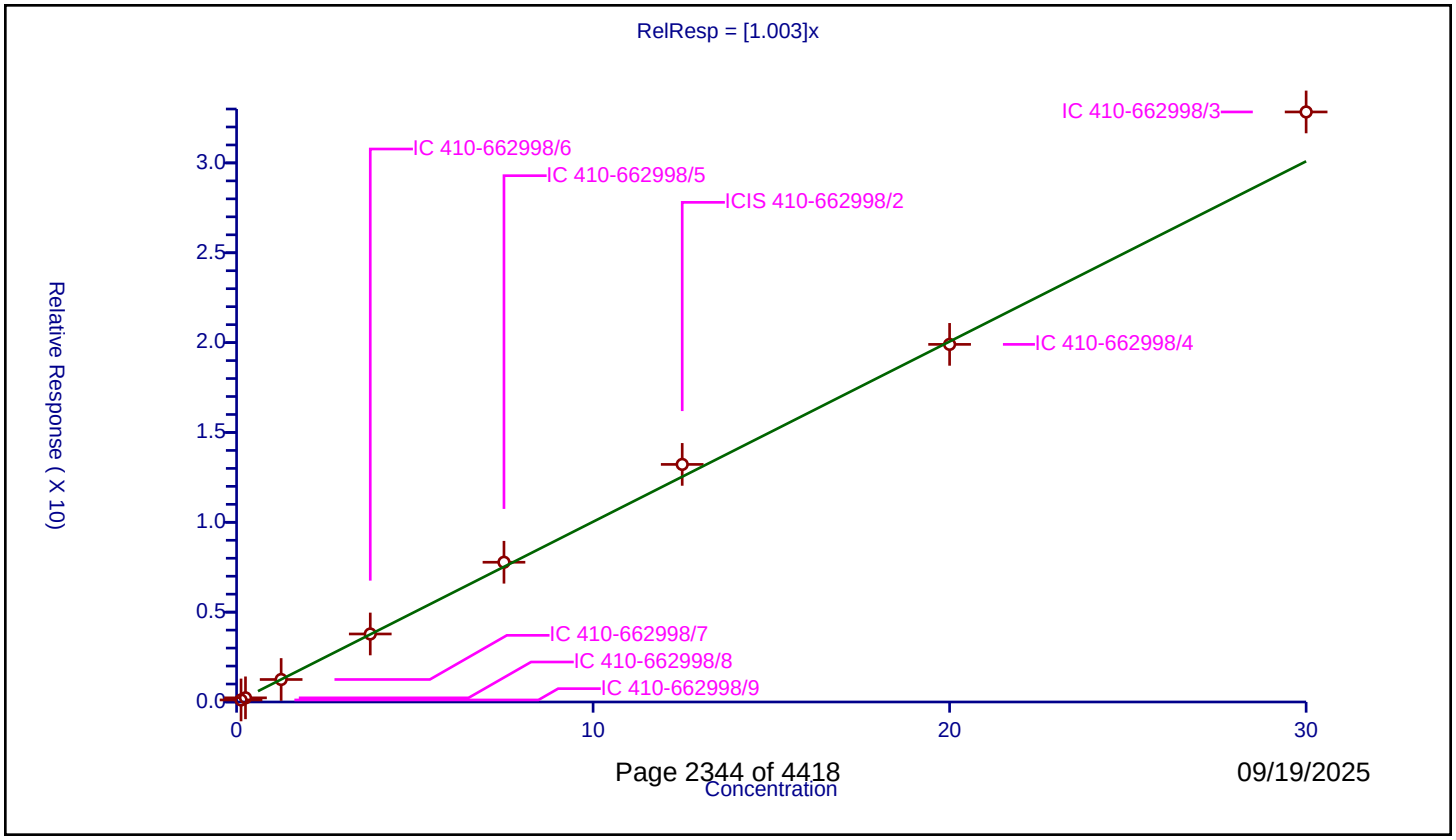
Curve Coefficients

Intercept:	0
Slope:	1.003

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.113577	5.0	526602.0	0.908618	Y
2	IC 410-662998/8	0.25	0.230172	5.0	539140.0	0.920689	Y
3	IC 410-662998/7	1.25	1.251263	5.0	532366.0	1.001011	Y
4	IC 410-662998/6	3.75	3.785154	5.0	573443.0	1.009374	Y
5	IC 410-662998/5	7.5	7.77713	5.0	553359.0	1.036951	Y
6	ICIS 410-662998/2	12.5	13.221532	5.0	600230.0	1.057723	Y
7	IC 410-662998/4	20.0	19.901353	5.0	567274.0	0.995068	Y
8	IC 410-662998/3	30.0	32.837139	5.0	522195.0	1.094571	Y



Calibration / 4,4'-Methylene bis(2-chloroaniline)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

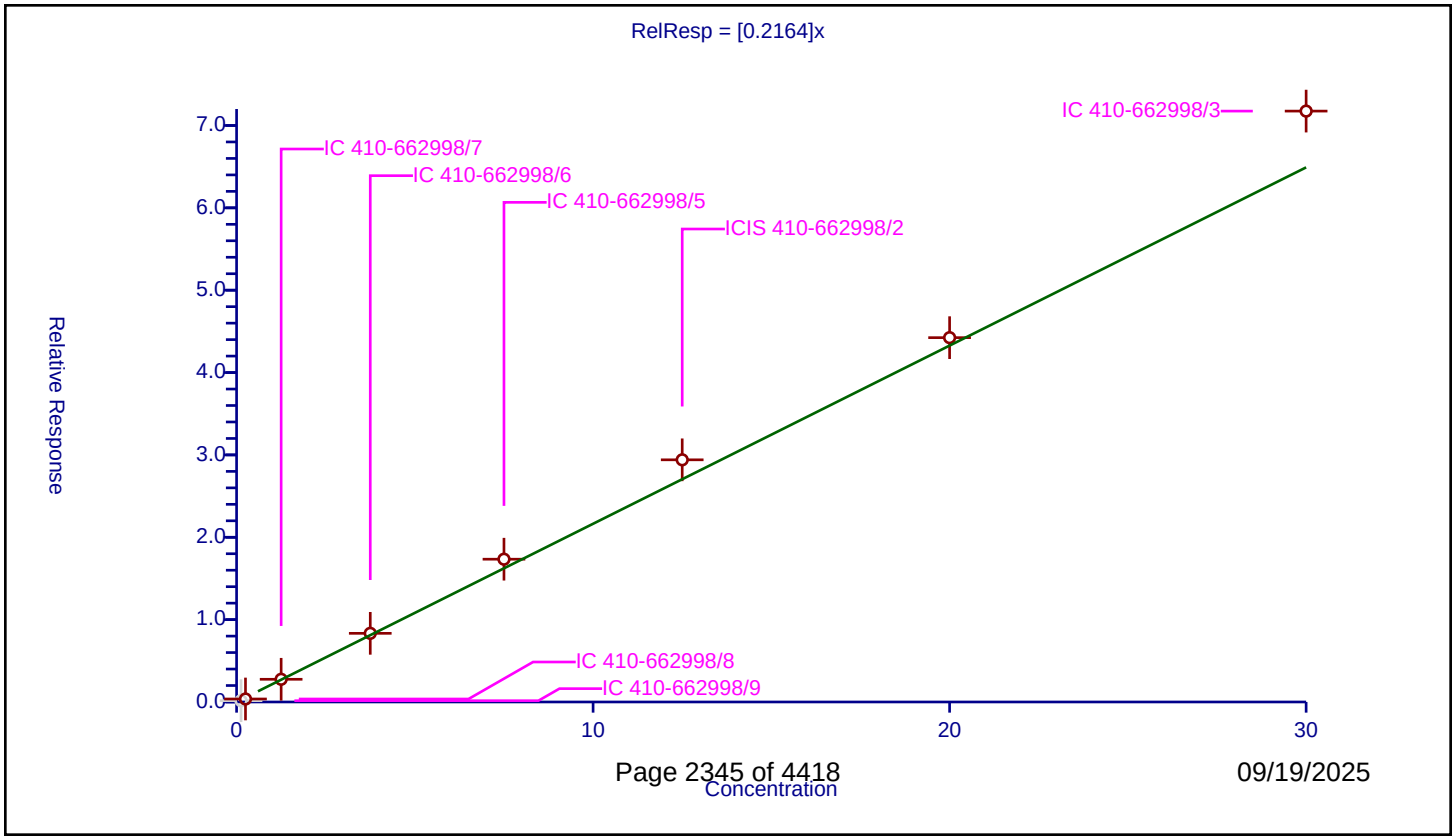
Curve Coefficients

Intercept:	0
Slope:	0.2164

Error Coefficients

Relative Standard Deviation:	14.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.015647	5.0	526602.0	0.12518	N
2	IC 410-662998/8	0.25	0.03628	5.0	539140.0	0.14512	Y
3	IC 410-662998/7	1.25	0.275562	5.0	532366.0	0.22045	Y
4	IC 410-662998/6	3.75	0.833623	5.0	573443.0	0.222299	Y
5	IC 410-662998/5	7.5	1.733838	5.0	553359.0	0.231178	Y
6	ICIS 410-662998/2	12.5	2.940498	5.0	600230.0	0.23524	Y
7	IC 410-662998/4	20.0	4.423709	5.0	567274.0	0.221185	Y
8	IC 410-662998/3	30.0	7.174628	5.0	522195.0	0.239154	Y



Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

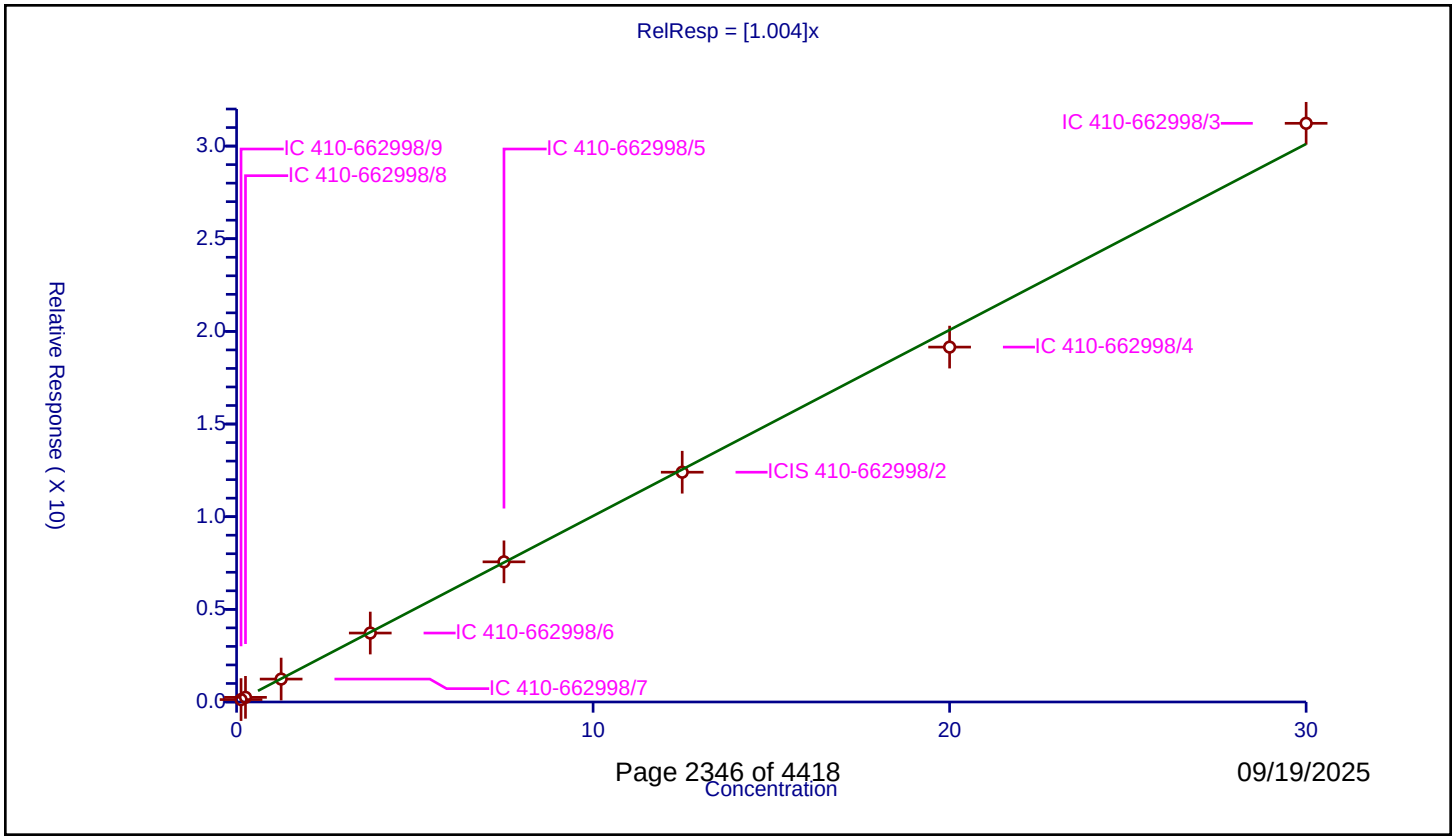
Curve Coefficients

Intercept:	0
Slope:	1.004

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.130478	5.0	526602.0	1.043824	Y
2	IC 410-662998/8	0.25	0.251419	5.0	539140.0	1.005676	Y
3	IC 410-662998/7	1.25	1.237232	5.0	532366.0	0.989785	Y
4	IC 410-662998/6	3.75	3.721006	5.0	573443.0	0.992268	Y
5	IC 410-662998/5	7.5	7.562505	5.0	553359.0	1.008334	Y
6	ICIS 410-662998/2	12.5	12.400438	5.0	600230.0	0.992035	Y
7	IC 410-662998/4	20.0	19.151821	5.0	567274.0	0.957591	Y
8	IC 410-662998/3	30.0	31.228478	5.0	522195.0	1.040949	Y



09/19/2025

Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

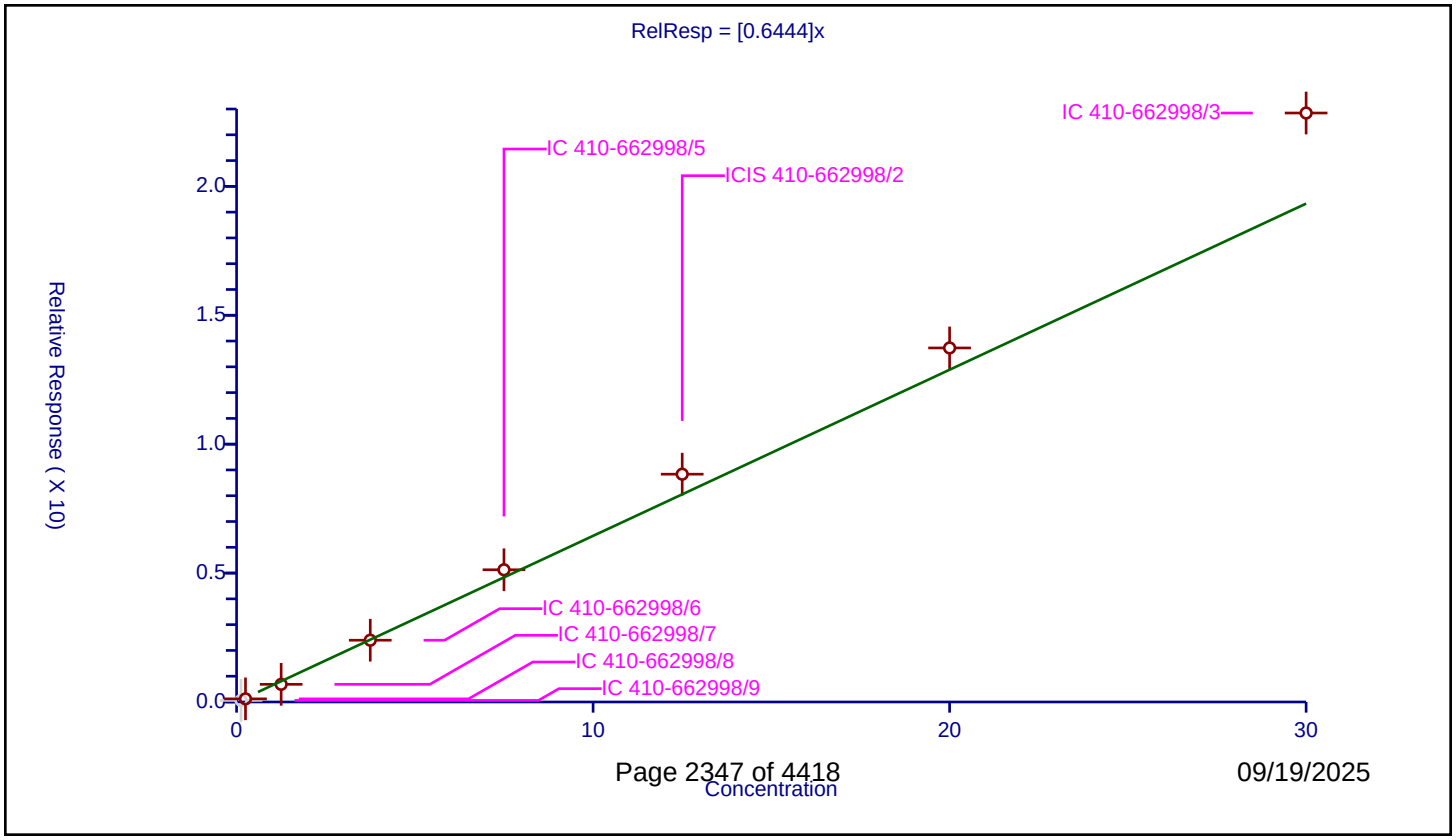
Curve Coefficients

Intercept:	0
Slope:	0.6444

Error Coefficients

Relative Standard Deviation:	15.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.061346	5.0	526602.0	0.490769	N
2	IC 410-662998/8	0.25	0.121119	5.0	539140.0	0.484475	Y
3	IC 410-662998/7	1.25	0.685262	5.0	532366.0	0.548209	Y
4	IC 410-662998/6	3.75	2.396088	5.0	573443.0	0.638957	Y
5	IC 410-662998/5	7.5	5.12913	5.0	553359.0	0.683884	Y
6	ICIS 410-662998/2	12.5	8.835396	5.0	600230.0	0.706832	Y
7	IC 410-662998/4	20.0	13.732032	5.0	567274.0	0.686602	Y
8	IC 410-662998/3	30.0	22.845125	5.0	522195.0	0.761504	Y



09/19/2025

Calibration / 6-Methylchrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

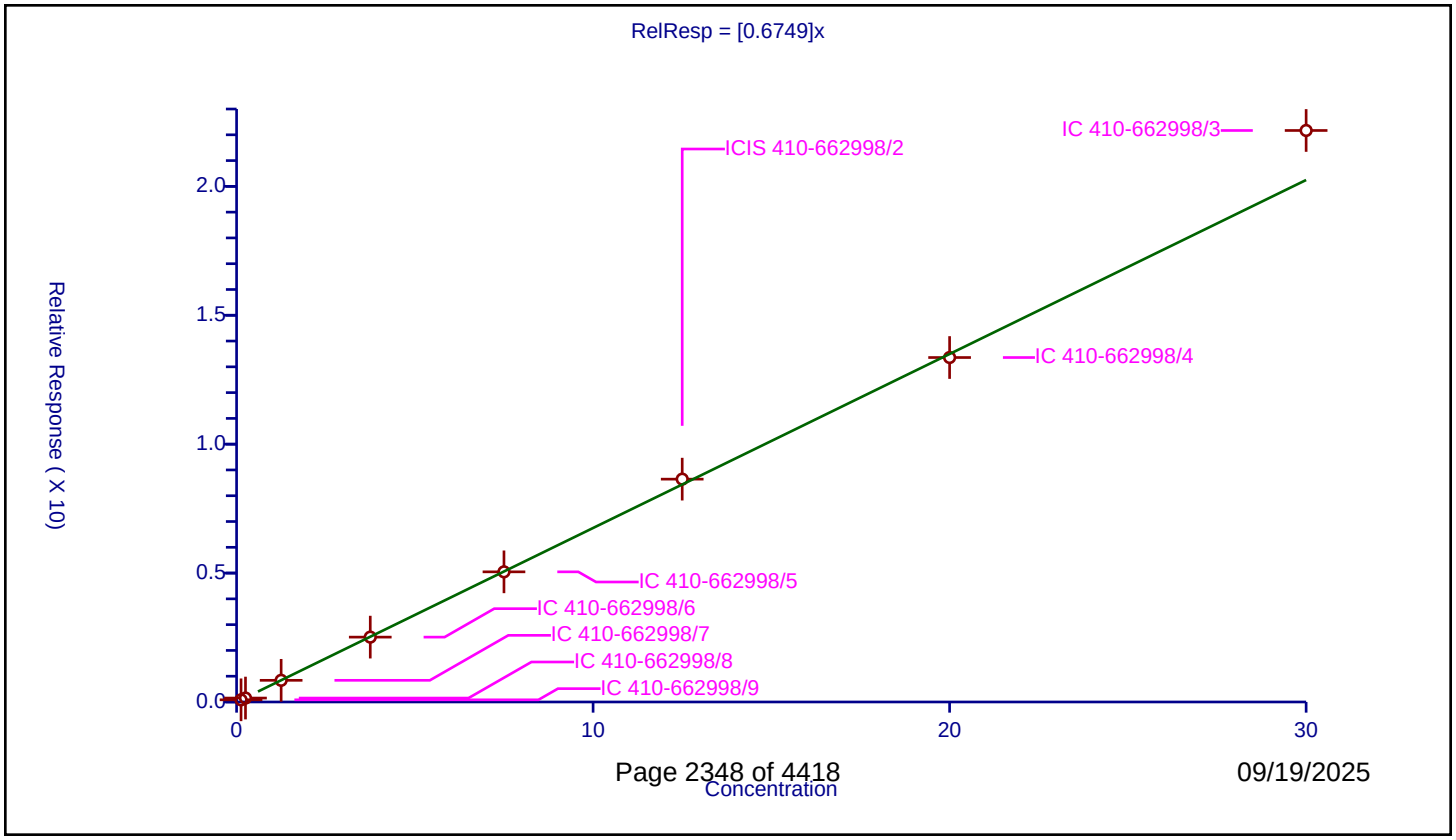
Curve Coefficients

Intercept:	0
Slope:	0.6749

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.084248	5.0	526602.0	0.673981	Y
2	IC 410-662998/8	0.25	0.152613	5.0	539140.0	0.610454	Y
3	IC 410-662998/7	1.25	0.840305	5.0	532366.0	0.672244	Y
4	IC 410-662998/6	3.75	2.516109	5.0	573443.0	0.670962	Y
5	IC 410-662998/5	7.5	5.047853	5.0	553359.0	0.673047	Y
6	ICIS 410-662998/2	12.5	8.643178	5.0	600230.0	0.691454	Y
7	IC 410-662998/4	20.0	13.361215	5.0	567274.0	0.668061	Y
8	IC 410-662998/3	30.0	22.167179	5.0	522195.0	0.738906	Y



Calibration / Di-n-octyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

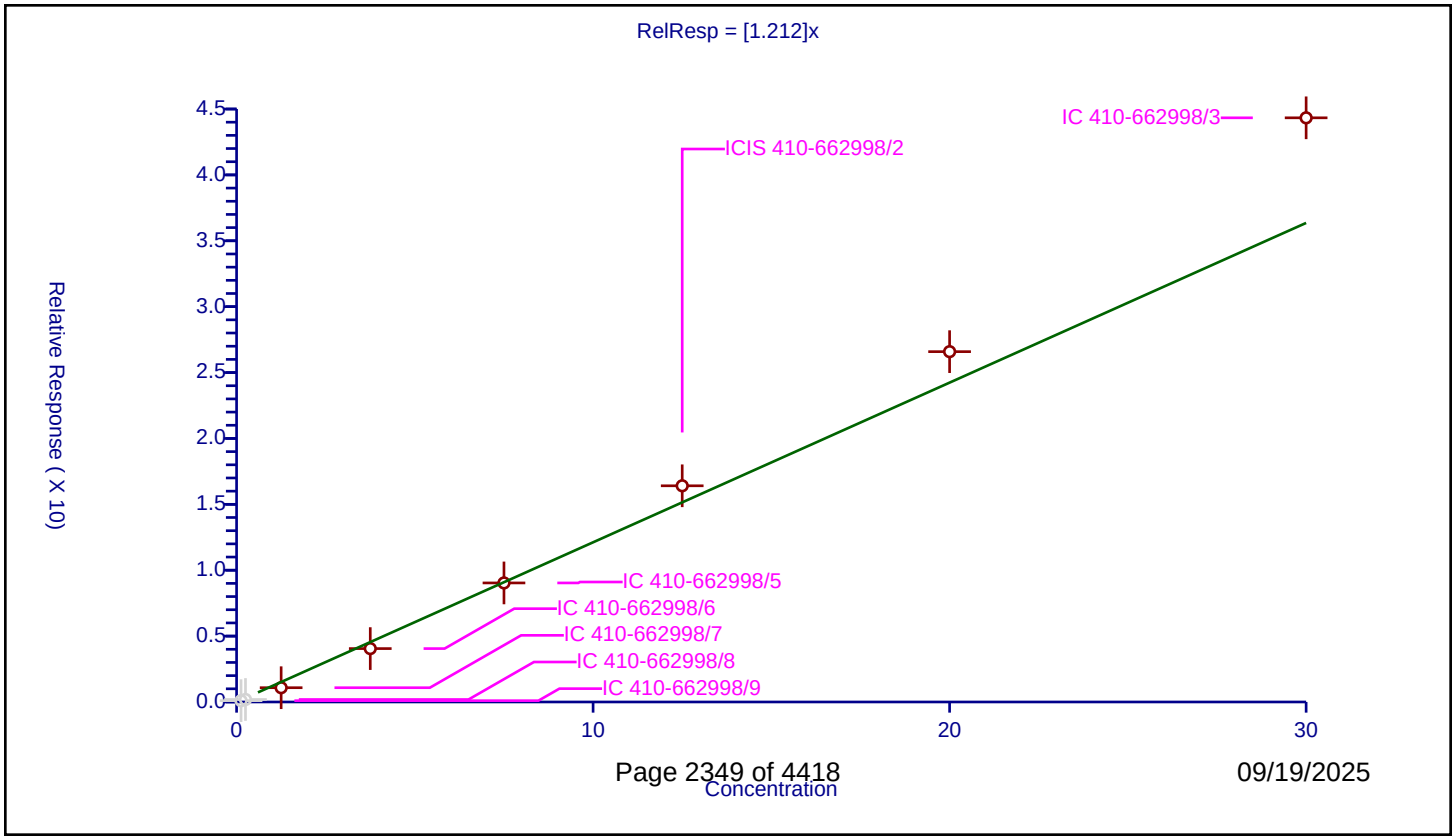
Curve Coefficients

Intercept:	0
Slope:	1.212

Error Coefficients

Relative Standard Deviation:	17.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.09944	5.0	406678.0	0.795519	N
2	IC 410-662998/8	0.25	0.188643	5.0	421431.0	0.754572	N
3	IC 410-662998/7	1.25	1.082908	5.0	417787.0	0.866327	Y
4	IC 410-662998/6	3.75	4.051823	5.0	454820.0	1.080486	Y
5	IC 410-662998/5	7.5	9.034612	5.0	449503.0	1.204615	Y
6	ICIS 410-662998/2	12.5	16.406245	5.0	479703.0	1.3125	Y
7	IC 410-662998/4	20.0	26.587092	5.0	446247.0	1.329355	Y
8	IC 410-662998/3	30.0	44.331153	5.0	414512.0	1.477705	Y



09/19/2025

Calibration / 7,12-Dimethylbenz(a)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

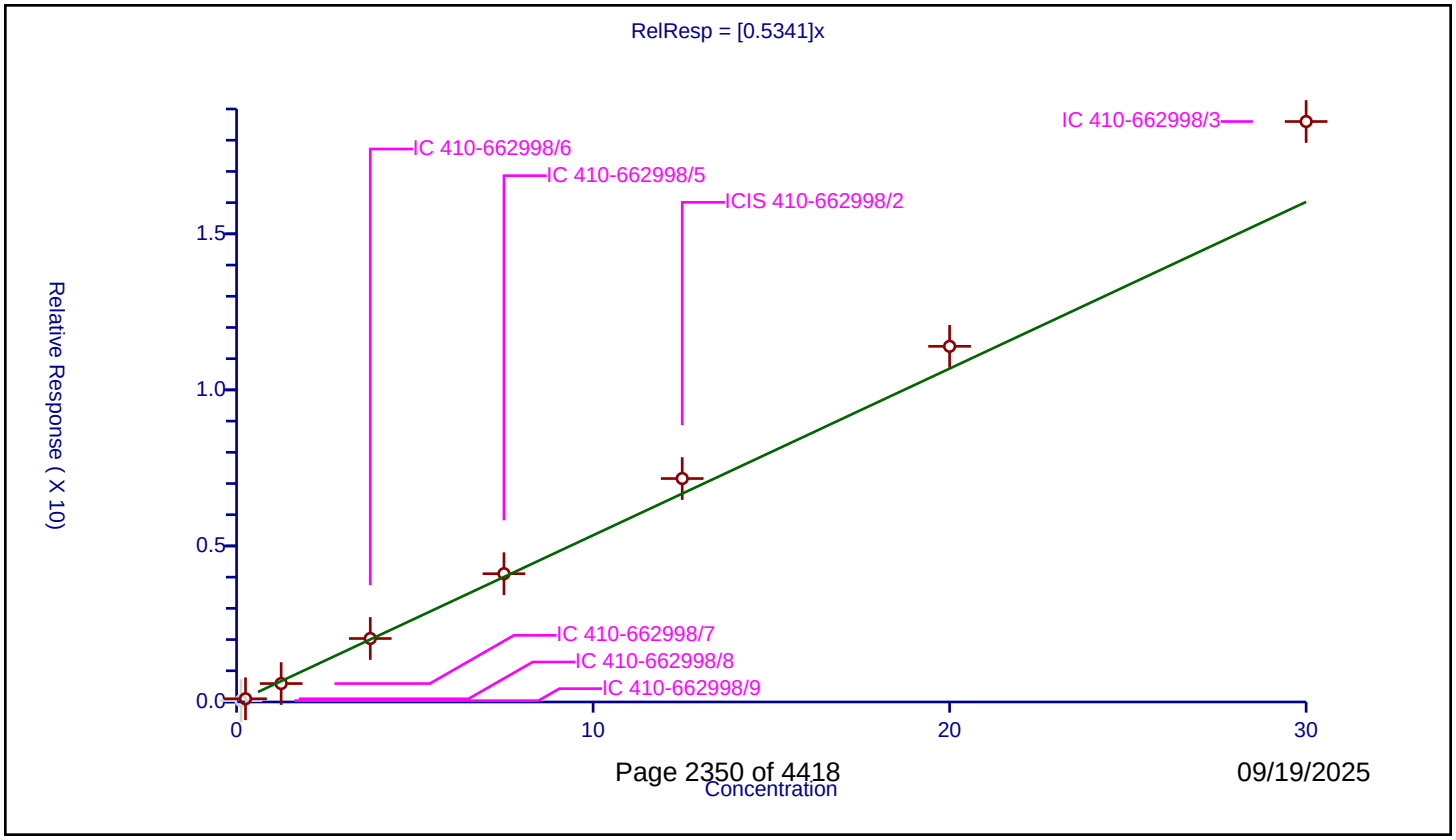
Curve Coefficients

Intercept:	0
Slope:	0.5341

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.043622	5.0	406678.0	0.348974	N
2	IC 410-662998/8	0.25	0.103327	5.0	421431.0	0.413306	Y
3	IC 410-662998/7	1.25	0.590803	5.0	417787.0	0.472643	Y
4	IC 410-662998/6	3.75	2.033706	5.0	454820.0	0.542322	Y
5	IC 410-662998/5	7.5	4.110584	5.0	449503.0	0.548078	Y
6	ICIS 410-662998/2	12.5	7.160139	5.0	479703.0	0.572811	Y
7	IC 410-662998/4	20.0	11.396099	5.0	446247.0	0.569805	Y
8	IC 410-662998/3	30.0	18.599076	5.0	414512.0	0.619969	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

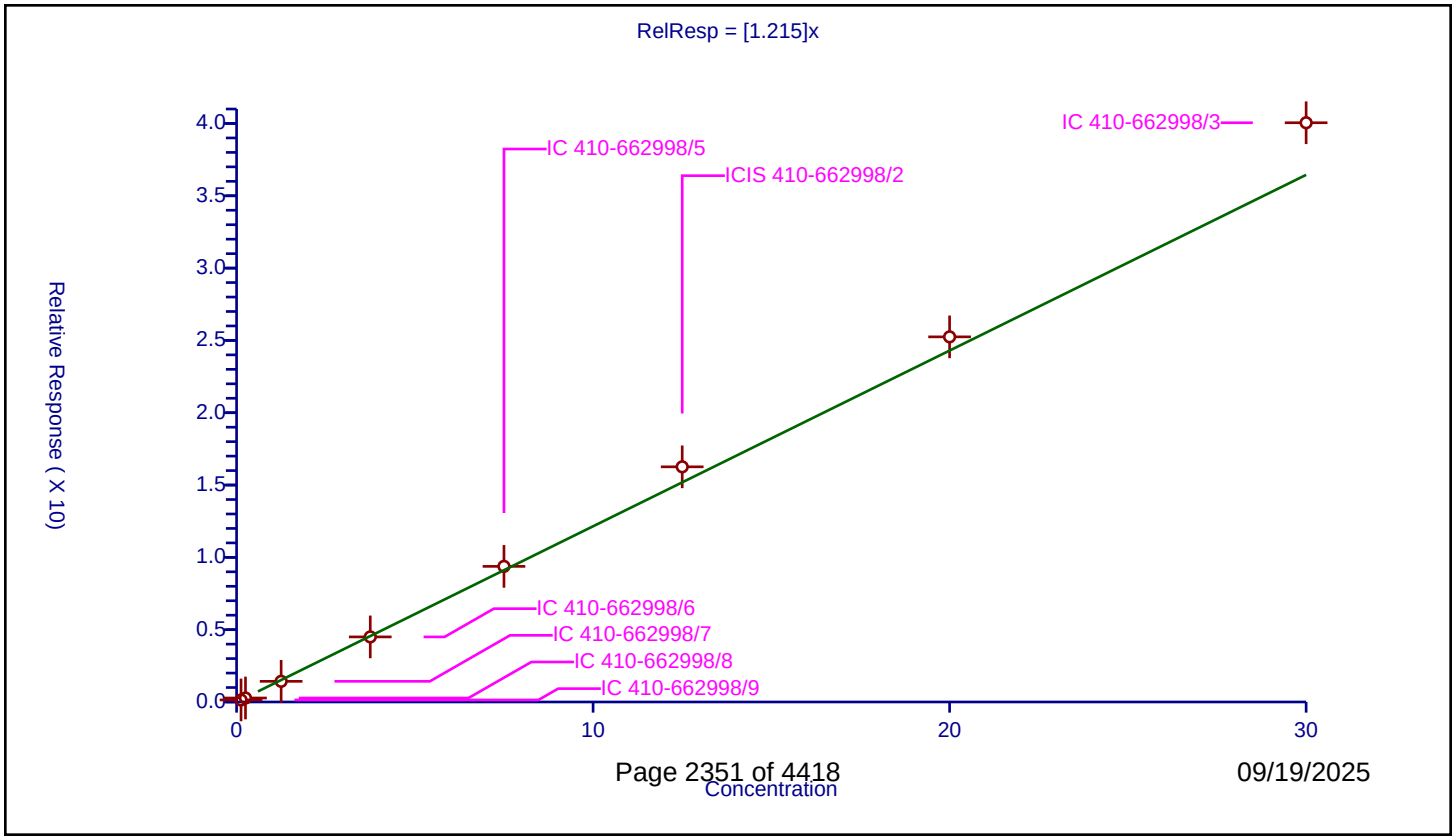
Curve Coefficients

Intercept:	0
Slope:	1.215

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.140775	5.0	406678.0	1.126198	Y
2	IC 410-662998/8	0.25	0.275692	5.0	421431.0	1.102767	Y
3	IC 410-662998/7	1.25	1.427318	5.0	417787.0	1.141855	Y
4	IC 410-662998/6	3.75	4.499681	5.0	454820.0	1.199915	Y
5	IC 410-662998/5	7.5	9.37739	5.0	449503.0	1.250319	Y
6	ICIS 410-662998/2	12.5	16.260353	5.0	479703.0	1.300828	Y
7	IC 410-662998/4	20.0	25.246119	5.0	446247.0	1.262306	Y
8	IC 410-662998/3	30.0	40.04989	5.0	414512.0	1.334996	Y



09/19/2025

Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

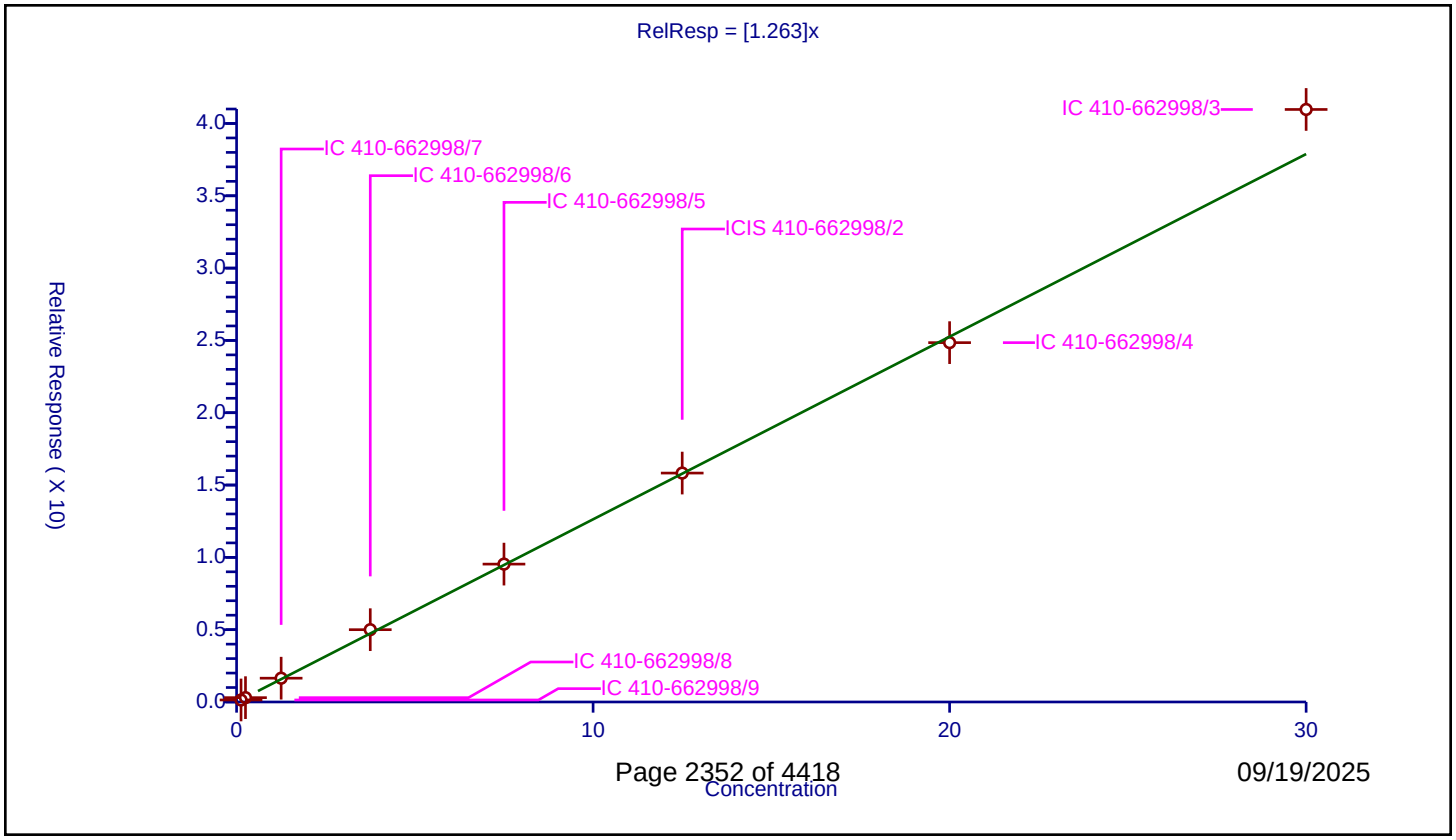
Curve Coefficients

Intercept:	0
Slope:	1.263

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.139078	5.0	406678.0	1.112625	Y
2	IC 410-662998/8	0.25	0.299005	5.0	421431.0	1.19602	Y
3	IC 410-662998/7	1.25	1.645157	5.0	417787.0	1.316125	Y
4	IC 410-662998/6	3.75	4.998692	5.0	454820.0	1.332984	Y
5	IC 410-662998/5	7.5	9.533485	5.0	449503.0	1.271131	Y
6	ICIS 410-662998/2	12.5	15.8282	5.0	479703.0	1.266256	Y
7	IC 410-662998/4	20.0	24.846598	5.0	446247.0	1.24233	Y
8	IC 410-662998/3	30.0	40.96774	5.0	414512.0	1.365591	Y



Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

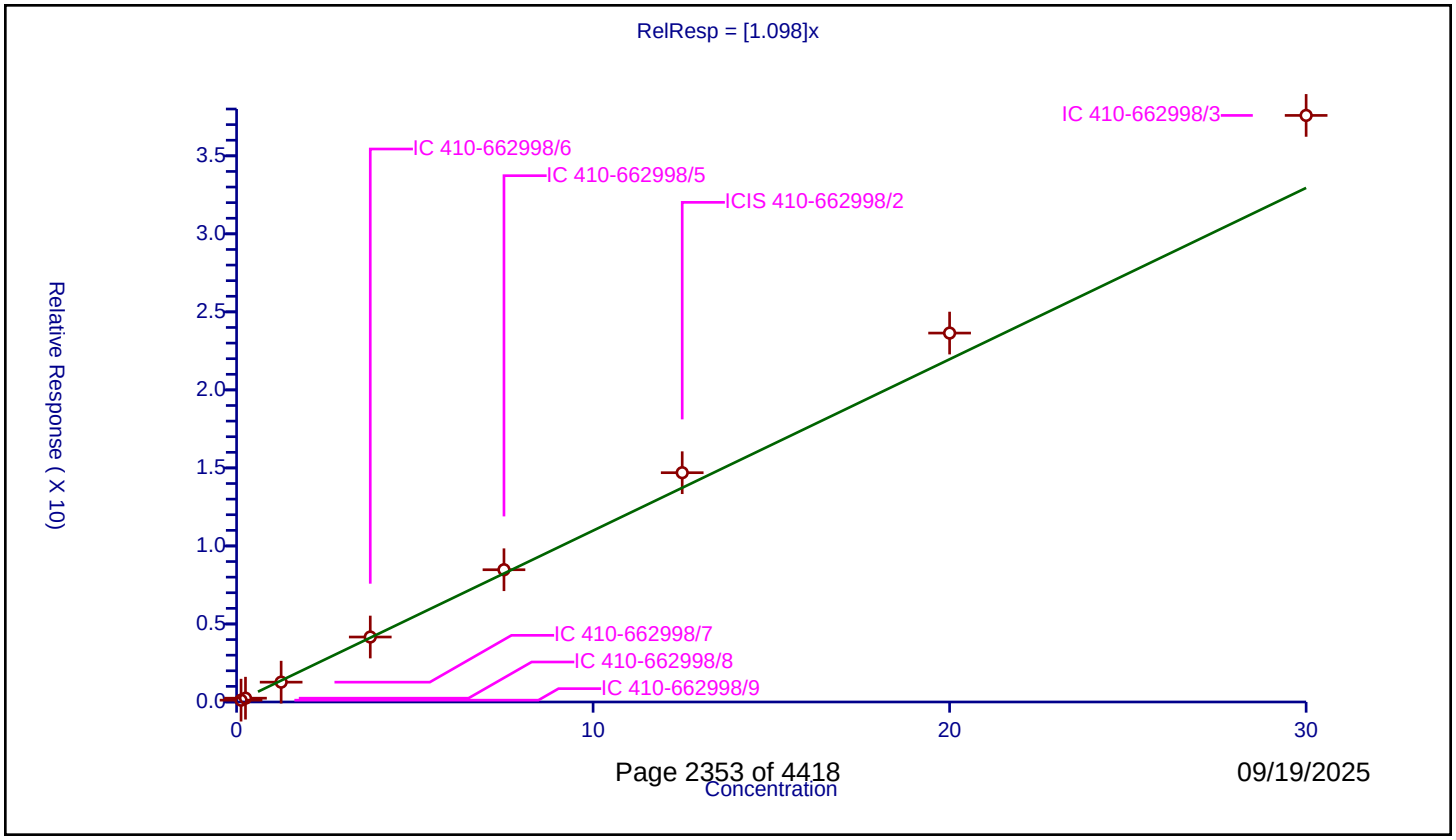
Curve Coefficients

Intercept:	0
Slope:	1.098

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.11755	5.0	406678.0	0.9404	Y
2	IC 410-662998/8	0.25	0.244239	5.0	421431.0	0.976957	Y
3	IC 410-662998/7	1.25	1.270935	5.0	417787.0	1.016748	Y
4	IC 410-662998/6	3.75	4.164516	5.0	454820.0	1.110538	Y
5	IC 410-662998/5	7.5	8.475995	5.0	449503.0	1.130133	Y
6	ICIS 410-662998/2	12.5	14.693237	5.0	479703.0	1.175459	Y
7	IC 410-662998/4	20.0	23.641313	5.0	446247.0	1.182066	Y
8	IC 410-662998/3	30.0	37.589732	5.0	414512.0	1.252991	Y



Calibration / 3-Methylcholanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

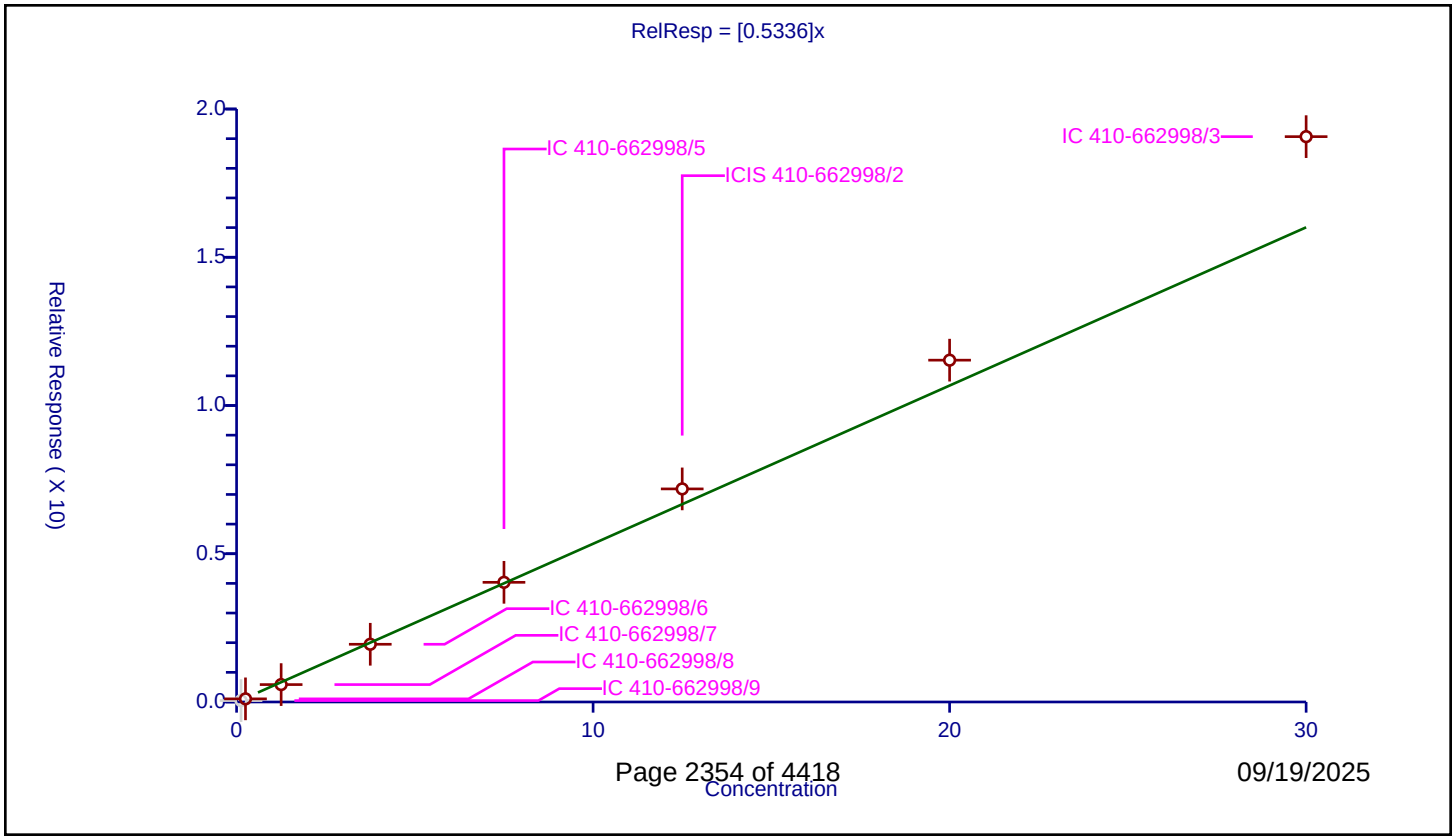
Curve Coefficients

Intercept:	0
Slope:	0.5336

Error Coefficients

Relative Standard Deviation:	13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.046868	5.0	406678.0	0.37494	N
2	IC 410-662998/8	0.25	0.105343	5.0	421431.0	0.421374	Y
3	IC 410-662998/7	1.25	0.587081	5.0	417787.0	0.469665	Y
4	IC 410-662998/6	3.75	1.946902	5.0	454820.0	0.519174	Y
5	IC 410-662998/5	7.5	4.036447	5.0	449503.0	0.538193	Y
6	ICIS 410-662998/2	12.5	7.186718	5.0	479703.0	0.574937	Y
7	IC 410-662998/4	20.0	11.529153	5.0	446247.0	0.576458	Y
8	IC 410-662998/3	30.0	19.068579	5.0	414512.0	0.635619	Y



Calibration / Dibenz[a,h]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

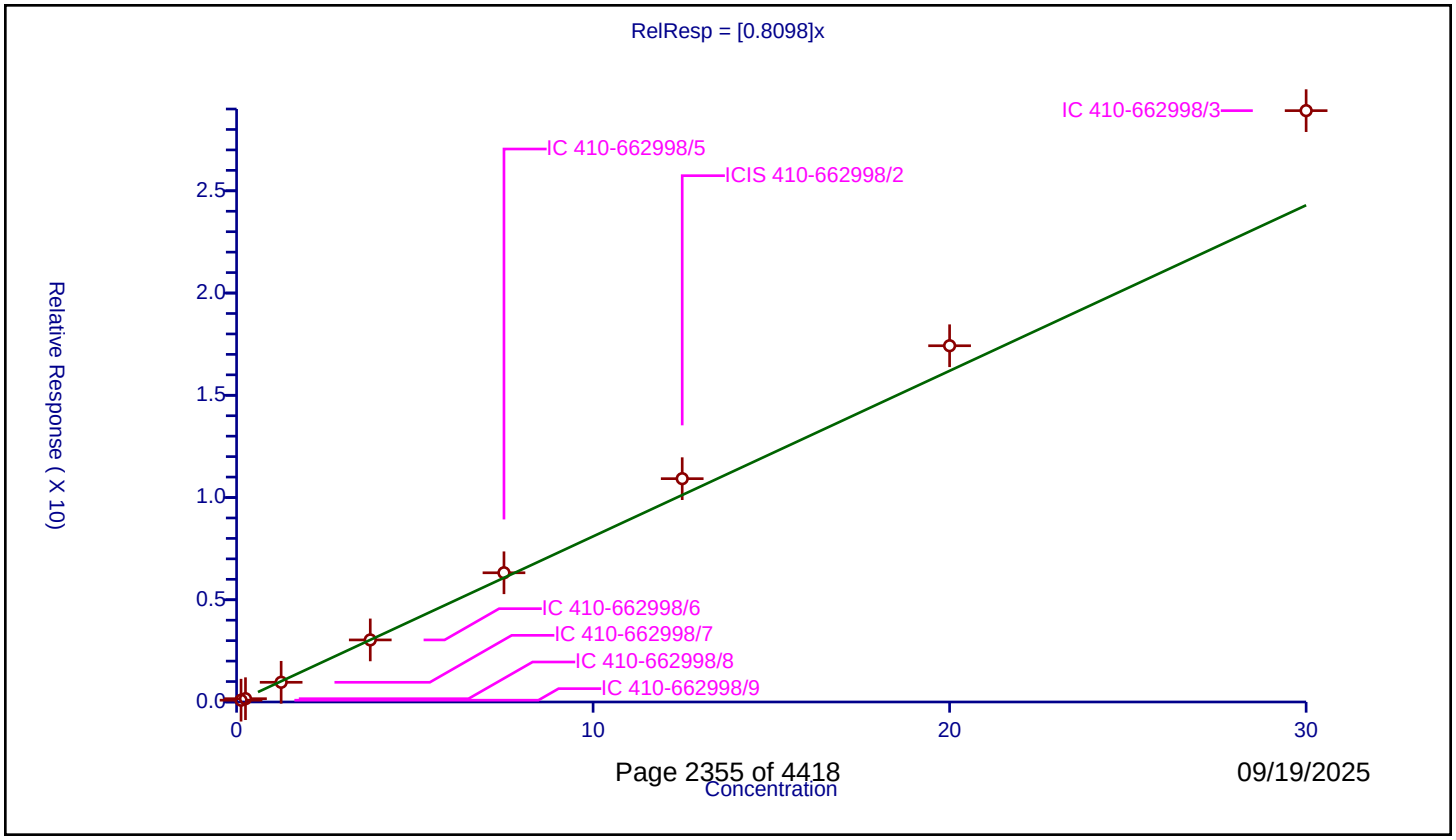
Curve Coefficients

Intercept:	0
Slope:	0.8098

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.088129	5.0	406678.0	0.70503	Y
2	IC 410-662998/8	0.25	0.160513	5.0	421431.0	0.642051	Y
3	IC 410-662998/7	1.25	0.963182	5.0	417787.0	0.770546	Y
4	IC 410-662998/6	3.75	3.035838	5.0	454820.0	0.809557	Y
5	IC 410-662998/5	7.5	6.318934	5.0	449503.0	0.842525	Y
6	ICIS 410-662998/2	12.5	10.921299	5.0	479703.0	0.873704	Y
7	IC 410-662998/4	20.0	17.422728	5.0	446247.0	0.871136	Y
8	IC 410-662998/3	30.0	28.920067	5.0	414512.0	0.964002	Y



Calibration / Dibenz[a,j]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

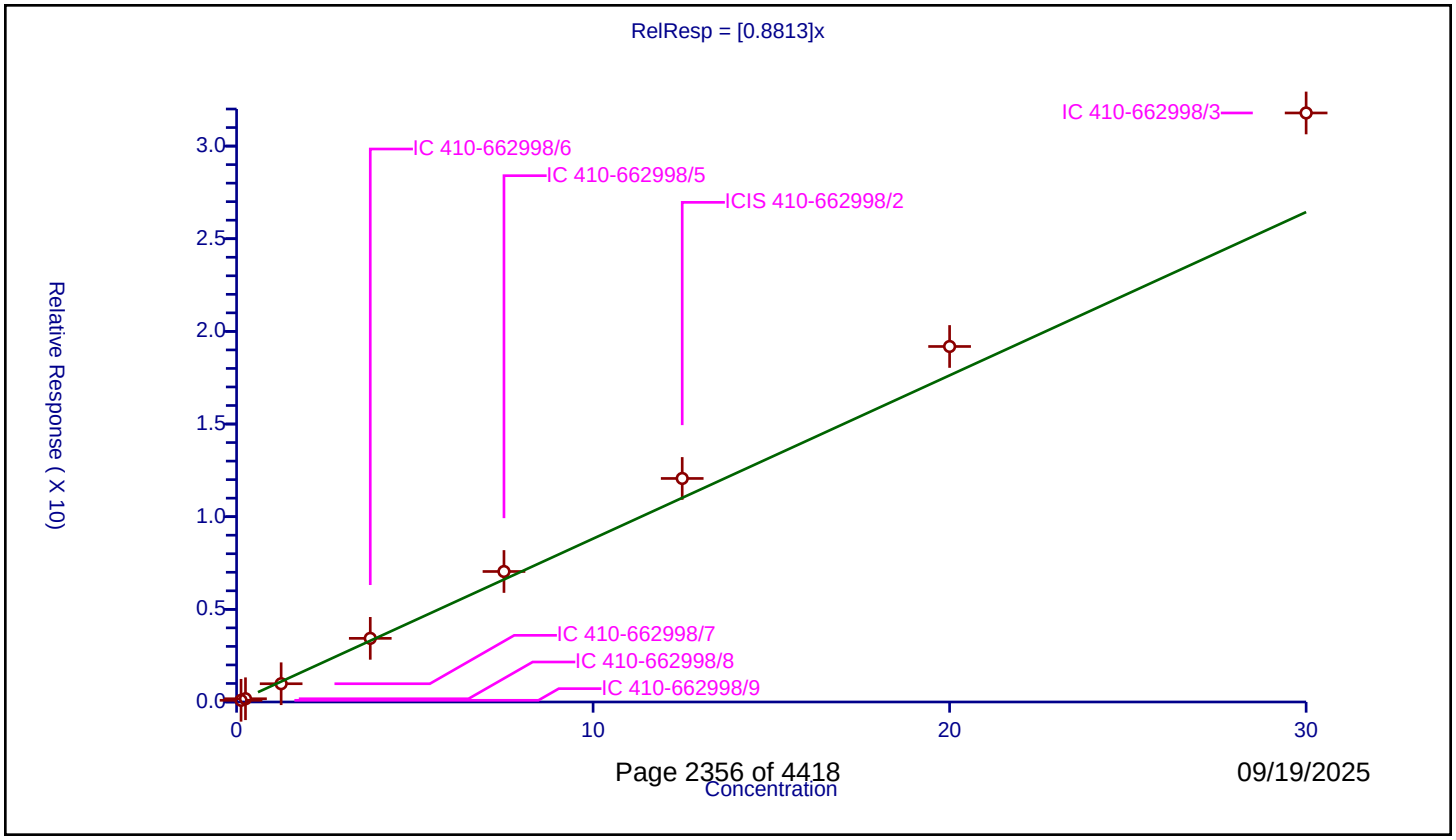
Curve Coefficients

Intercept:	0
Slope:	0.8813

Error Coefficients

Relative Standard Deviation:	14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.090821	5.0	406678.0	0.72657	Y
2	IC 410-662998/8	0.25	0.174252	5.0	421431.0	0.697006	Y
3	IC 410-662998/7	1.25	0.985167	5.0	417787.0	0.788134	Y
4	IC 410-662998/6	3.75	3.434809	5.0	454820.0	0.915949	Y
5	IC 410-662998/5	7.5	7.041711	5.0	449503.0	0.938895	Y
6	ICIS 410-662998/2	12.5	12.062808	5.0	479703.0	0.965025	Y
7	IC 410-662998/4	20.0	19.184734	5.0	446247.0	0.959237	Y
8	IC 410-662998/3	30.0	31.786933	5.0	414512.0	1.059564	Y



09/19/2025

Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

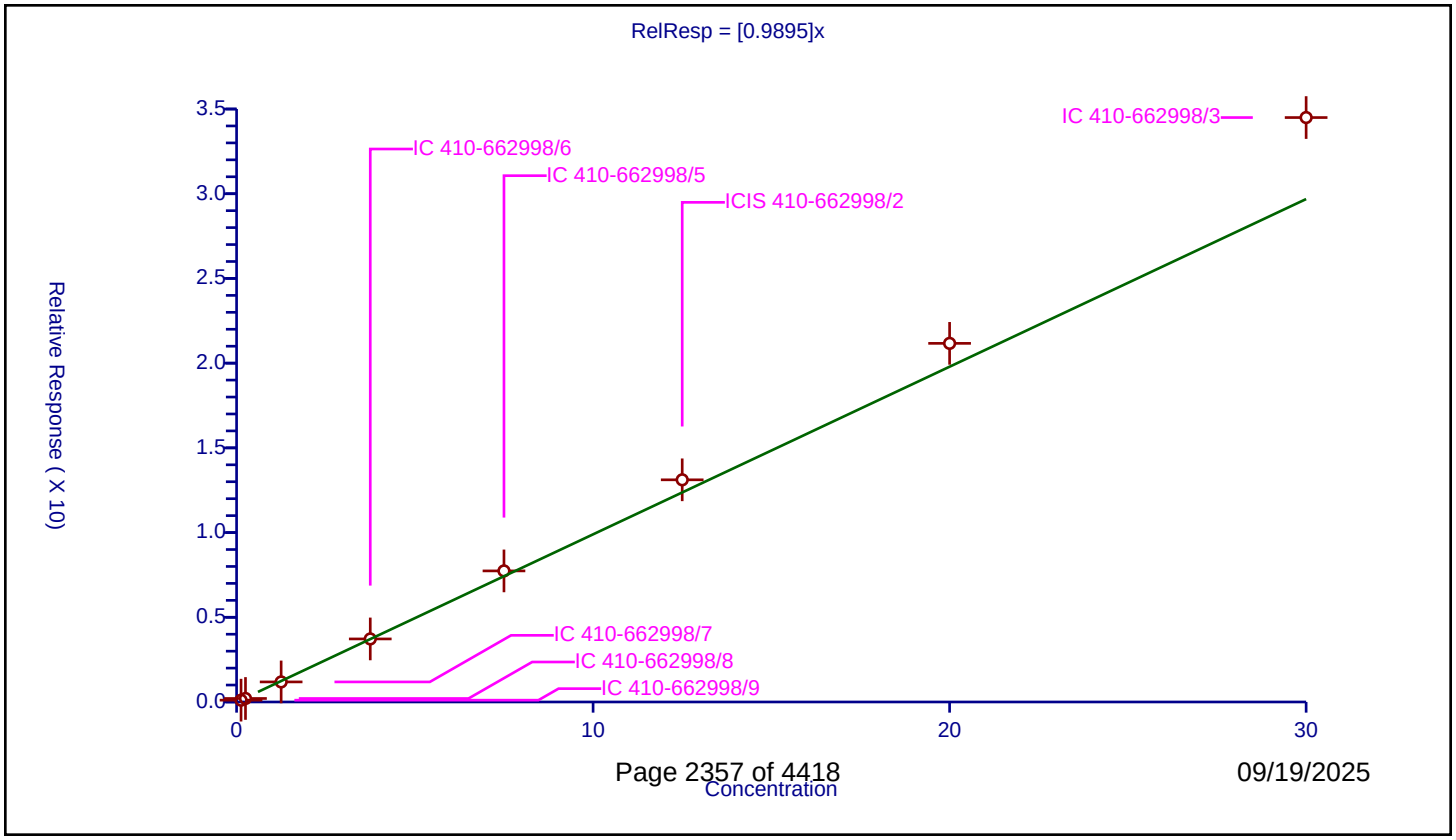
Curve Coefficients

Intercept:	0
Slope:	0.9895

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.107419	5.0	406678.0	0.859353	Y
2	IC 410-662998/8	0.25	0.206997	5.0	421431.0	0.827988	Y
3	IC 410-662998/7	1.25	1.183629	5.0	417787.0	0.946904	Y
4	IC 410-662998/6	3.75	3.722396	5.0	454820.0	0.992639	Y
5	IC 410-662998/5	7.5	7.737468	5.0	449503.0	1.031662	Y
6	ICIS 410-662998/2	12.5	13.113343	5.0	479703.0	1.049067	Y
7	IC 410-662998/4	20.0	21.167011	5.0	446247.0	1.058351	Y
8	IC 410-662998/3	30.0	34.496299	5.0	414512.0	1.149877	Y



09/19/2025

Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

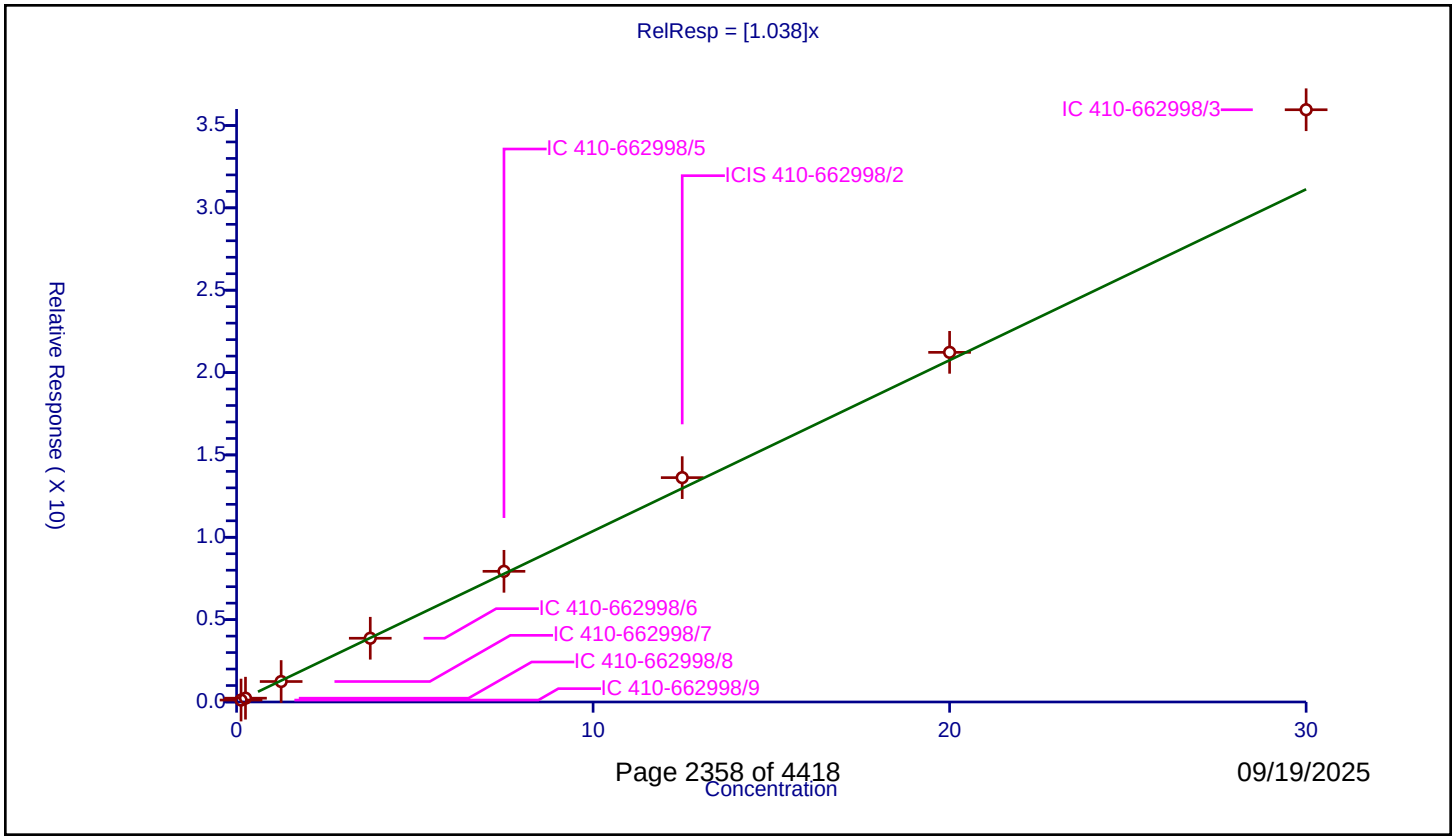
Curve Coefficients

Intercept:	0
Slope:	1.038

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.11755	5.0	406678.0	0.9404	Y
2	IC 410-662998/8	0.25	0.231473	5.0	421431.0	0.925893	Y
3	IC 410-662998/7	1.25	1.243074	5.0	417787.0	0.994459	Y
4	IC 410-662998/6	3.75	3.870762	5.0	454820.0	1.032203	Y
5	IC 410-662998/5	7.5	7.933095	5.0	449503.0	1.057746	Y
6	ICIS 410-662998/2	12.5	13.621605	5.0	479703.0	1.089728	Y
7	IC 410-662998/4	20.0	21.226742	5.0	446247.0	1.061337	Y
8	IC 410-662998/3	30.0	35.95604	5.0	414512.0	1.198535	Y



09/19/2025

Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

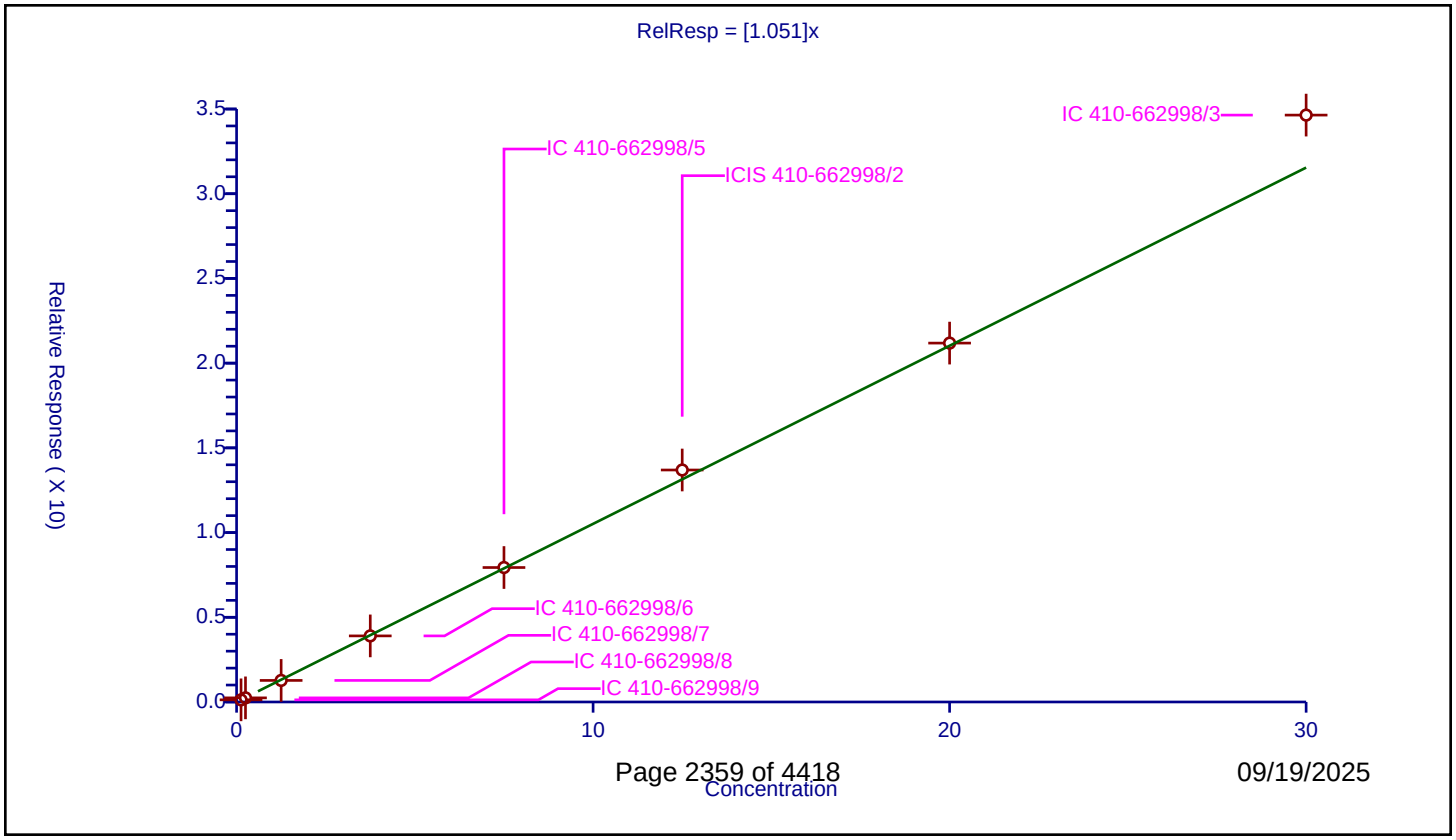
Curve Coefficients

Intercept:	0
Slope:	1.051

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.126316	5.0	406678.0	1.010529	Y
2	IC 410-662998/8	0.25	0.243741	5.0	421431.0	0.974964	Y
3	IC 410-662998/7	1.25	1.272347	5.0	417787.0	1.017878	Y
4	IC 410-662998/6	3.75	3.900455	5.0	454820.0	1.040121	Y
5	IC 410-662998/5	7.5	7.937389	5.0	449503.0	1.058318	Y
6	ICIS 410-662998/2	12.5	13.692608	5.0	479703.0	1.095409	Y
7	IC 410-662998/4	20.0	21.182764	5.0	446247.0	1.059138	Y
8	IC 410-662998/3	30.0	34.641144	5.0	414512.0	1.154705	Y



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 664240

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 22:02 Calibration End Date: 06/27/2025 23:46 Calibration ID: 74197

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-664240/12	DF2761.D
Level 2	IC 410-664240/11	DF2760.D
Level 3	IC 410-664240/10	DF2759.D
Level 4	IC 410-664240/9	DF2758.D
Level 5	IC 410-664240/8	DF2757.D
Level 6	IC 410-664240/7	DF2756.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methapyrilene	0.2514 0.2431	0.2639	0.2891	0.2879	0.2716	Ave		0.2678				7.0		20.0			
Famphur	0.3590 +++++	0.3929	0.4205	0.3504	0.2666	Ave		0.3579				16.2		20.0			
Kepone	0.1075 0.0906	0.1060	0.1159	0.1064	0.1038	Ave		0.1050				7.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 664240

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 22:02 Calibration End Date: 06/27/2025 23:46 Calibration ID: 74197

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-664240/12	DF2761.D
Level 2	IC 410-664240/11	DF2760.D
Level 3	IC 410-664240/10	DF2759.D
Level 4	IC 410-664240/9	DF2758.D
Level 5	IC 410-664240/8	DF2757.D
Level 6	IC 410-664240/7	DF2756.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Methapyrilene	PHN	Ave	80441 901316	113117	248681	447133	659246	1.25 30.0	3.75	7.50	12.5	20.0
Famphur	PYR10	Ave	115529 +++++	169605	367978	560056	649143	1.25 +++++	3.75	7.50	12.5	20.0
Kepone	PYR10	Ave	343473 1125935	302835	537316	810744	1003952	12.4 99.3	24.8	39.7	59.6	79.4

Curve Type Legend:
Ave = Average ISTD

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\DF2756.D
Lims ID: IC L8 ABC
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 27-Jun-2025 22:02:32 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8 ABC
Misc. Info.: 410-0151854-007
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub23

Method: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 29-Jun-2025 08:34:20 Calib Date: 27-Jun-2025 23:46:10
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\DF2761.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: N5QU Date: 27-Jun-2025 22:23:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	3.902	3.902	0.000	95	176661	5.00	5.00	
* 50 Naphthalene-d8	136	5.138	5.138	0.000	99	613000	5.00	5.00	
* 90 Acenaphthene-d10	164	6.810	6.810	0.000	95	331450	5.00	5.00	
* 126 Phenanthrene-d10	188	8.209	8.209	0.000	98	617839	5.00	5.00	
132 Methapyrilene	97	9.066	9.066	0.000	90	901316	30.0	27.2	
* 149 Pyrene-d10 (IS)	212	9.544	9.544	0.000	99	625851	5.00	5.00	
151 Famphur	218	10.162	10.162	0.000	83	506182	30.0	11.3	
153 Kepone	272	10.209	10.209	0.000	96	1125935	99.3	85.6	
* 170 Perylene-d12	264	12.470	12.470	0.000	98	484043	5.00	5.00	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVABC_8_00016 Amount Added: 1.00 Units: mL

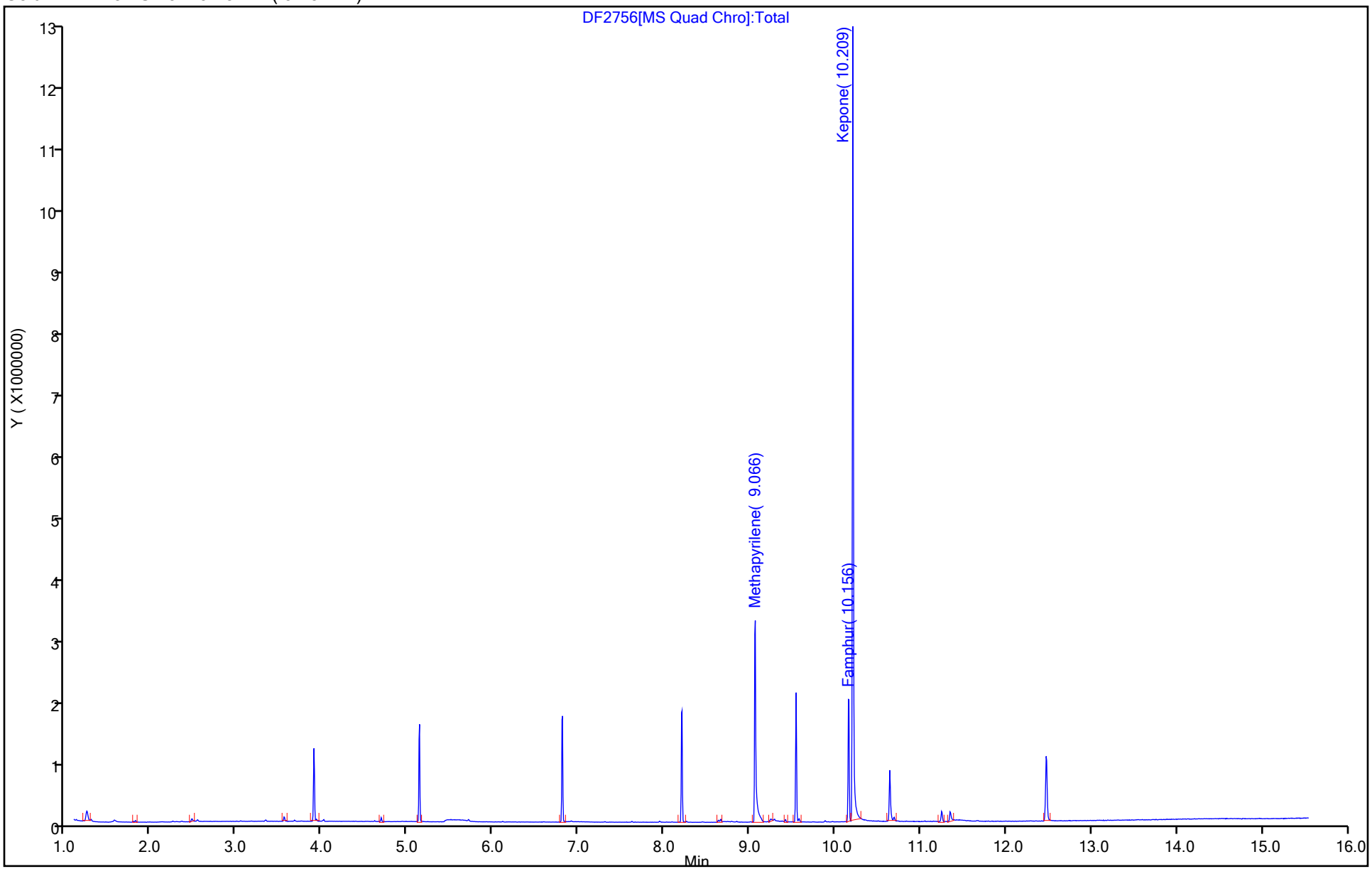
Report Date: 29-Jun-2025 08:34:21 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\DF2756.D

Injection Date:	27-Jun-2025 22:02:32	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L8 ABC			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\DF2757.D
Lims ID: IC L7 ABC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 27-Jun-2025 22:23:15 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7 ABC
Misc. Info.: 410-0151854-008
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub23

Method: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 29-Jun-2025 08:34:24 Calib Date: 27-Jun-2025 23:46:10
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\DF2761.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: N5QU Date: 27-Jun-2025 23:17:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	3.902	3.902	0.000	96	174121	5.00	5.00	
* 50 Naphthalene-d8	136	5.138	5.138	0.000	99	615769	5.00	5.00	
* 90 Acenaphthene-d10	164	6.805	6.810	-0.005	95	328626	5.00	5.00	
* 126 Phenanthrene-d10	188	8.204	8.209	-0.005	97	606749	5.00	5.00	
132 Methapyrilene	97	9.066	9.066	0.000	90	659246	20.0	20.3	
* 149 Pyrene-d10 (IS)	212	9.544	9.544	0.000	99	608638	5.00	5.00	
151 Famphur	218	10.156	10.162	-0.006	83	649143	20.0	14.9	
153 Kepone	272	10.209	10.209	0.000	95	1003952	79.4	78.5	
* 170 Perylene-d12	264	12.470	12.470	0.000	99	471190	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVABC_7_00015 Amount Added: 1.00 Units: mL

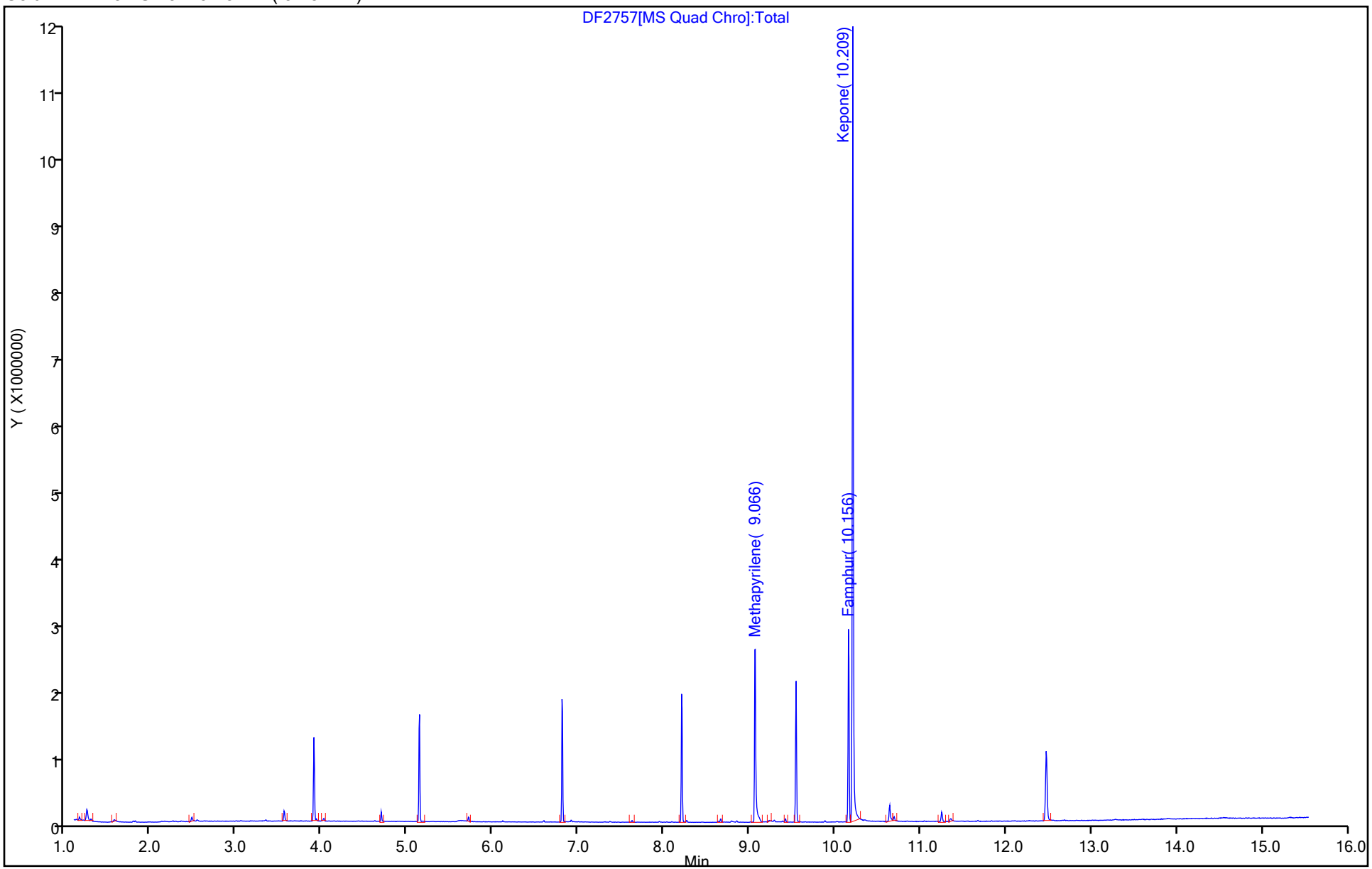
Report Date: 29-Jun-2025 08:34:24 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\DF2757.D

Injection Date:	27-Jun-2025 22:23:15	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L7 ABC			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\DF2758.D
Lims ID: IC L6 ABC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 27-Jun-2025 22:43:54 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L6 ABC
Misc. Info.: 410-0151854-009
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub23

Method: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 29-Jun-2025 08:34:26 Calib Date: 27-Jun-2025 23:46:10
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\DF2761.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: N5QU Date: 27-Jun-2025 23:17:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	3.902	3.902	0.000	96	172789	5.00	5.00	
* 50 Naphthalene-d8	136	5.138	5.138	0.000	100	613678	5.00	5.00	
* 90 Acenaphthene-d10	164	6.811	6.810	0.001	95	325616	5.00	5.00	
* 126 Phenanthrene-d10	188	8.204	8.209	-0.005	98	621311	5.00	5.00	
132 Methapyrilene	97	9.060	9.066	-0.006	90	447133	12.5	13.4	
* 149 Pyrene-d10 (IS)	212	9.544	9.544	0.000	99	639405	5.00	5.00	
151 Famphur	218	10.156	10.162	-0.006	83	560056	12.5	12.2	
153 Kepone	272	10.209	10.209	0.000	95	810744	59.6	60.4	
* 170 Perylene-d12	264	12.470	12.470	0.000	98	495268	5.00	5.00	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVABC_6_00023 Amount Added: 1.00 Units: mL

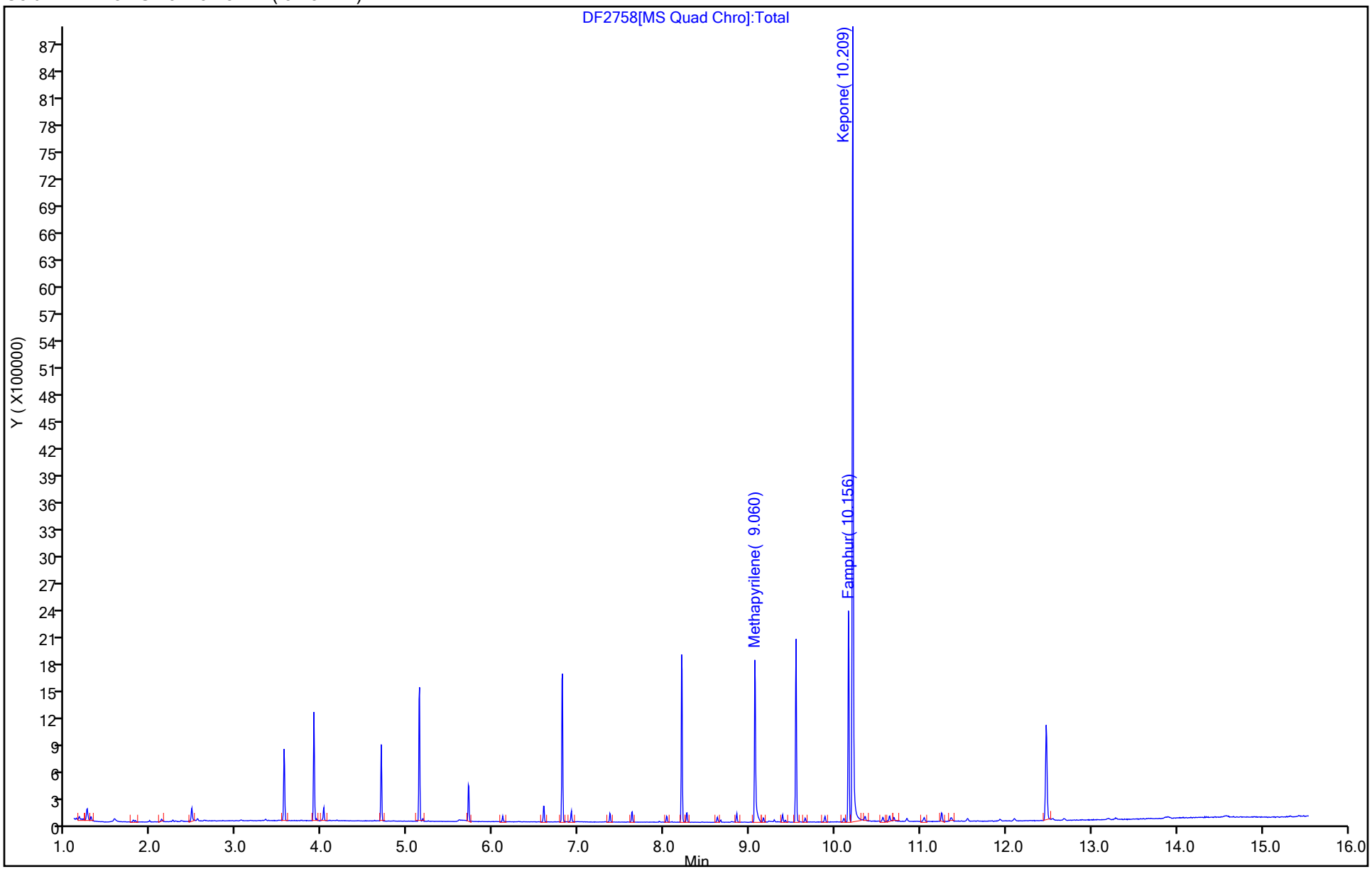
Report Date: 29-Jun-2025 08:34:27 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\DF2758.D

Injection Date:	27-Jun-2025 22:43:54	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L6 ABC			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\DF2759.D
Lims ID: IC L5 ABC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 27-Jun-2025 23:04:43 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5 ABC
Misc. Info.: 410-0151854-010
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub23

Method: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 29-Jun-2025 08:34:30 Calib Date: 27-Jun-2025 23:46:10
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\DF2761.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: N5QU Date: 27-Jun-2025 23:31:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	3.902	3.902	0.000	96	166336	5.00	5.00	
* 50 Naphthalene-d8	136	5.138	5.138	0.000	99	591697	5.00	5.00	
* 90 Acenaphthene-d10	164	6.811	6.811	0.000	95	308825	5.00	5.00	
* 126 Phenanthrene-d10	188	8.204	8.204	0.000	97	573465	5.00	5.00	
132 Methapyrilene	97	9.061	9.061	0.000	90	248681	7.50	8.10	
* 149 Pyrene-d10 (IS)	212	9.544	9.544	0.000	99	583441	5.00	5.00	
151 Famphur	218	10.156	10.156	0.000	84	367978	7.50	8.81	
153 Kepone	272	10.209	10.209	0.000	95	537316	39.7	43.8	
* 170 Perylene-d12	264	12.476	12.476	0.000	98	449405	5.00	5.00	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVABC_5_00014 Amount Added: 1.00 Units: mL

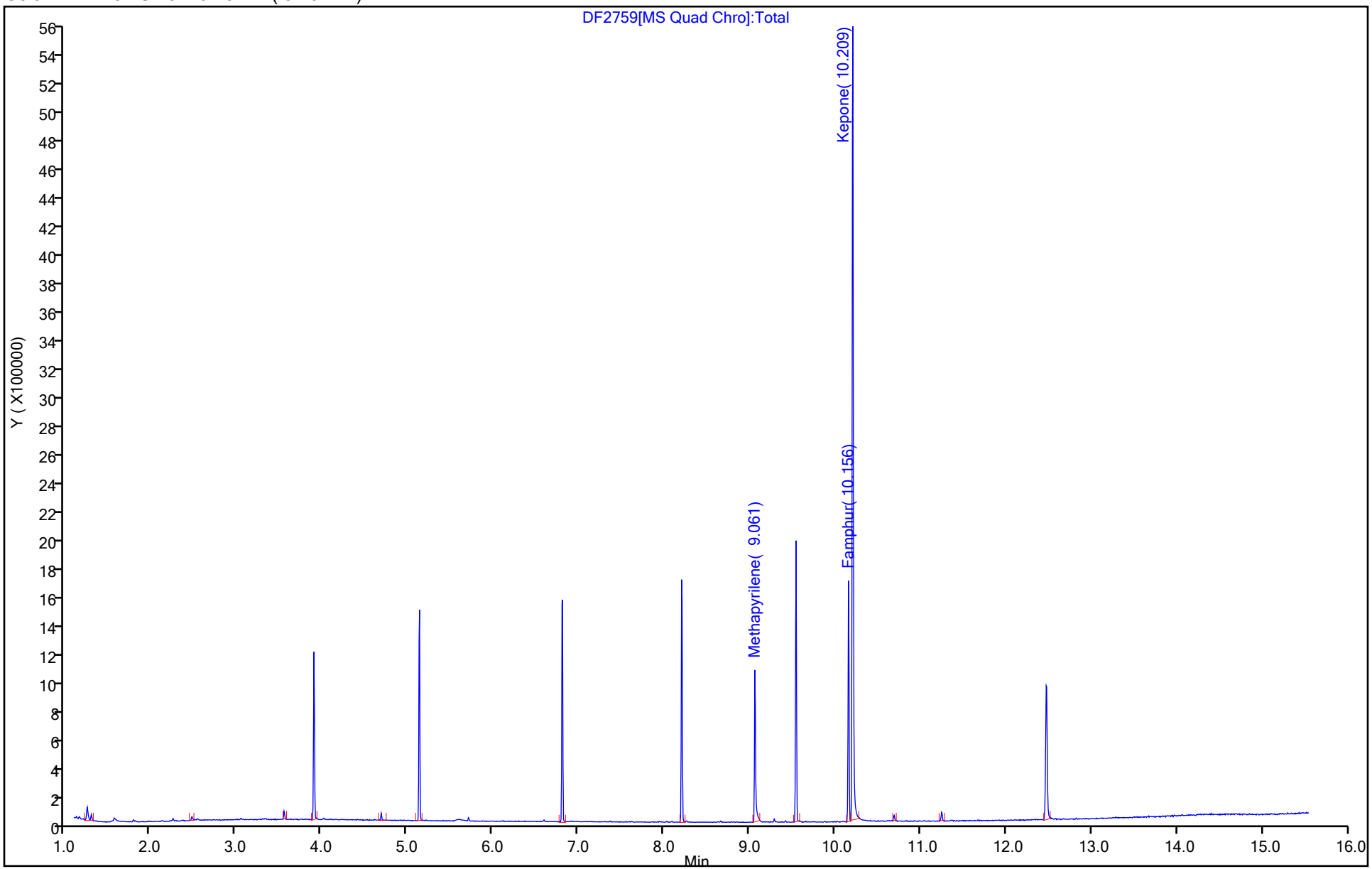
Report Date: 29-Jun-2025 08:34:30 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\DF2759.D

Injection Date:	27-Jun-2025 23:04:43	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L5 ABC			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\DF2760.D
Lims ID: IC L4 ABC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 27-Jun-2025 23:25:24 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4 ABC
Misc. Info.: 410-0151854-011
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub23

Method: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 29-Jun-2025 08:34:33 Calib Date: 27-Jun-2025 23:46:10
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\DF2761.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: N5QU Date: 27-Jun-2025 23:49:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	3.902	3.902	0.000	96	171829	5.00	5.00	
* 50 Naphthalene-d8	136	5.138	5.138	0.000	100	597384	5.00	5.00	
* 90 Acenaphthene-d10	164	6.811	6.811	0.000	95	309279	5.00	5.00	
* 126 Phenanthrene-d10	188	8.204	8.204	0.000	98	571409	5.00	5.00	
132 Methapyrilene	97	9.060	9.061	-0.001	90	113117	3.75	3.70	
* 149 Pyrene-d10 (IS)	212	9.544	9.544	0.000	99	575605	5.00	5.00	
151 Famphur	218	10.156	10.156	0.000	84	169605	3.75	4.12	
153 Kepone	272	10.209	10.209	0.000	95	302835	24.8	25.0	
* 170 Perylene-d12	264	12.470	12.476	-0.006	99	442223	5.00	5.00	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVABC_4_00014 Amount Added: 1.00 Units: mL

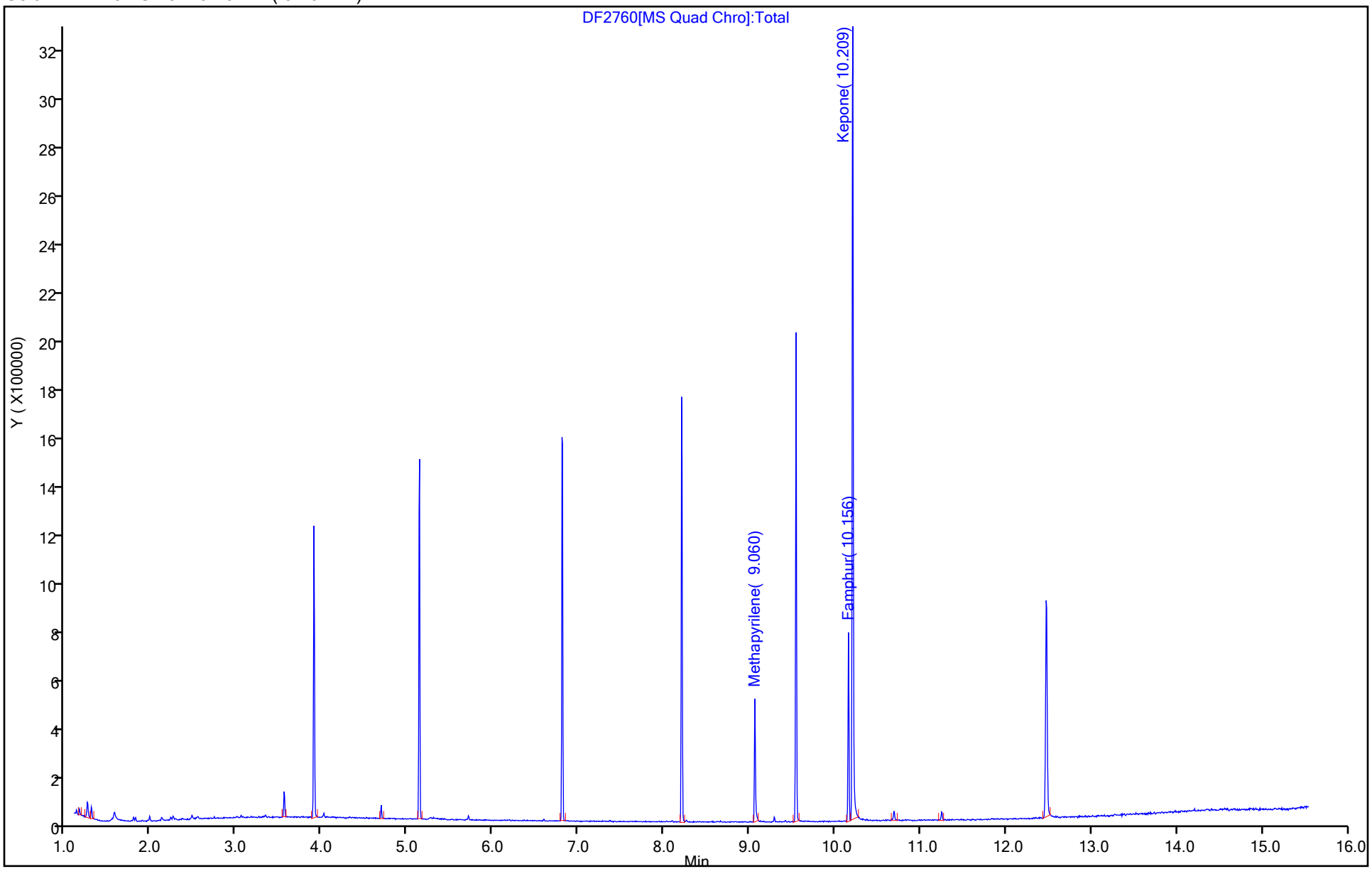
Report Date: 29-Jun-2025 08:34:33 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\DF2760.D

Injection Date:	27-Jun-2025 23:25:24	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L4 ABC			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\DF2761.D
Lims ID: IC L3 ABC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 27-Jun-2025 23:46:10 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3 ABC
Misc. Info.: 410-0151854-012
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub23

Method: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 29-Jun-2025 08:34:11 Calib Date: 27-Jun-2025 23:46:10
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\DF2761.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: SJ89 Date: 29-Jun-2025 08:34:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	3.902	3.902	0.000	96	370217	5.00	5.00	
* 50 Naphthalene-d8	136	5.138	5.138	0.000	100	1292873	5.00	5.00	
* 90 Acenaphthene-d10	164	6.810	6.810	0.000	95	694363	5.00	5.00	
* 126 Phenanthrene-d10	188	8.209	8.209	0.000	97	1279908	5.00	5.00	
132 Methapyrilene	97	9.060	9.066	-0.006	91	80441	1.25	1.17	
* 149 Pyrene-d10 (IS)	212	9.544	9.544	0.000	99	1287182	5.00	5.00	
151 Famphur	218	10.156	10.162	-0.006	84	115529	1.25	1.25	
153 Kepone	272	10.209	10.209	0.000	96	343473	12.4	12.7	
* 170 Perylene-d12	264	12.476	12.470	0.006	99	1030218	5.00	5.00	

QC Flag Legend

Processing Flags

Reagents:

MSS_RVABC_3_00017 Amount Added: 1.00 Units: mL

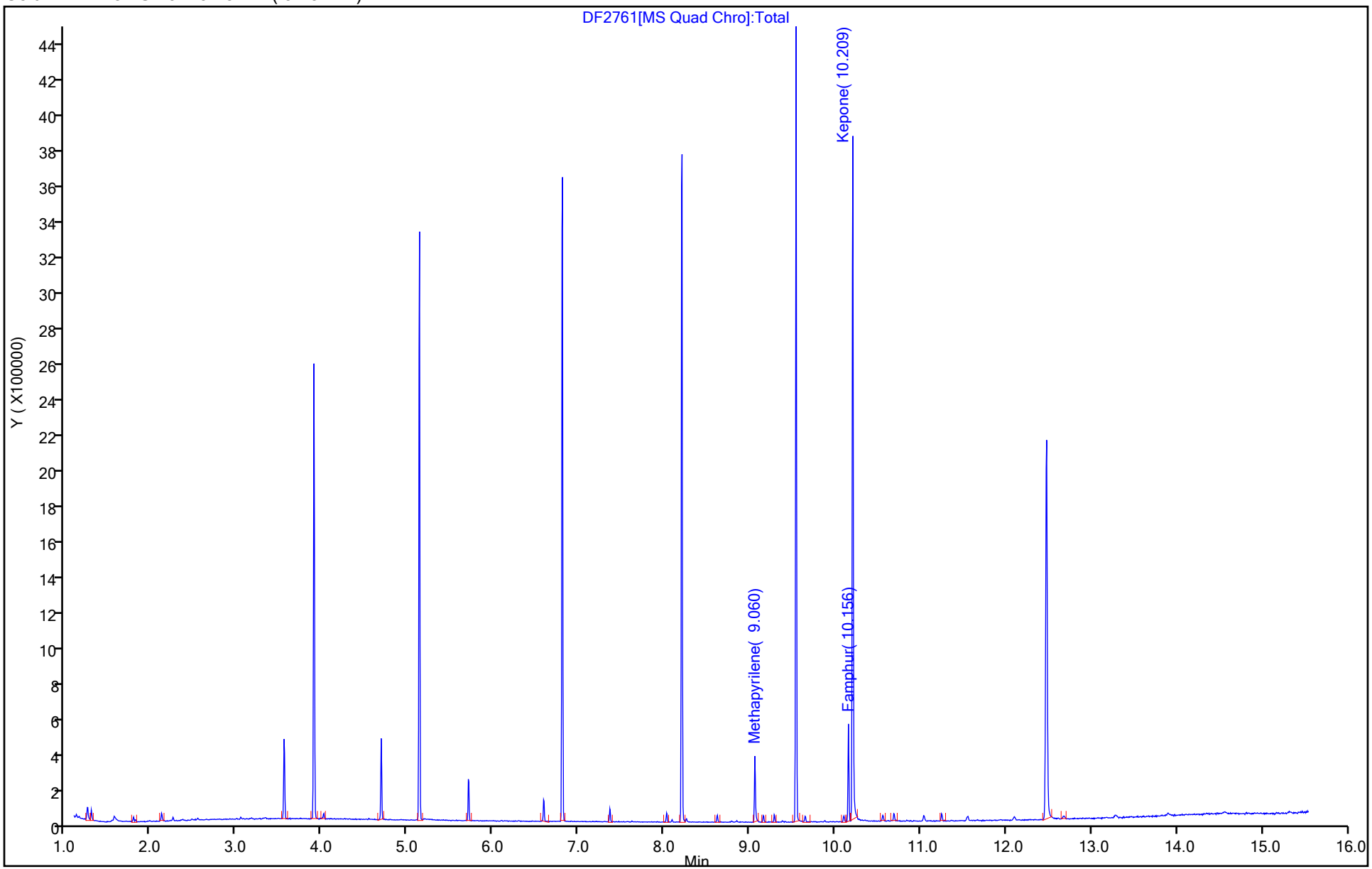
Report Date: 29-Jun-2025 08:34:12 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250627-151854.b\DF2761.D

Injection Date:	27-Jun-2025 23:46:10	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L3 ABC			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Calibration / Methapyrilene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

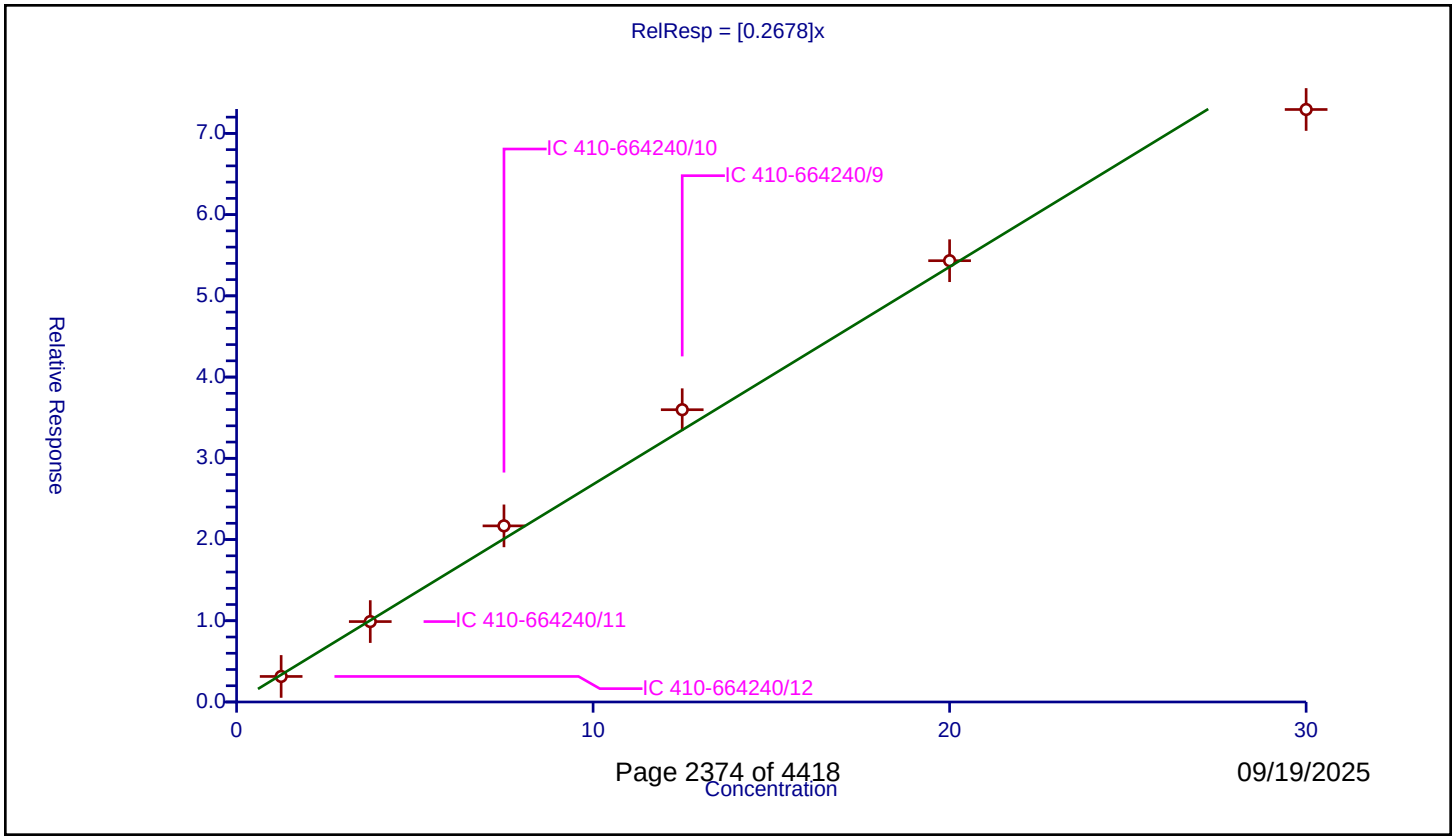
Curve Coefficients

Intercept:	0
Slope:	0.2678

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-664240/12	1.25	0.314245	5.0	1279908.0	0.251396	Y
2	IC 410-664240/11	3.75	0.989808	5.0	571409.0	0.263949	Y
3	IC 410-664240/10	7.5	2.168232	5.0	573465.0	0.289098	Y
4	IC 410-664240/9	12.5	3.598303	5.0	621311.0	0.287864	Y
5	IC 410-664240/8	20.0	5.432609	5.0	606749.0	0.27163	Y
6	IC 410-664240/7	30.0	7.294101	5.0	617839.0	0.243137	Y



Calibration / Famphur

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

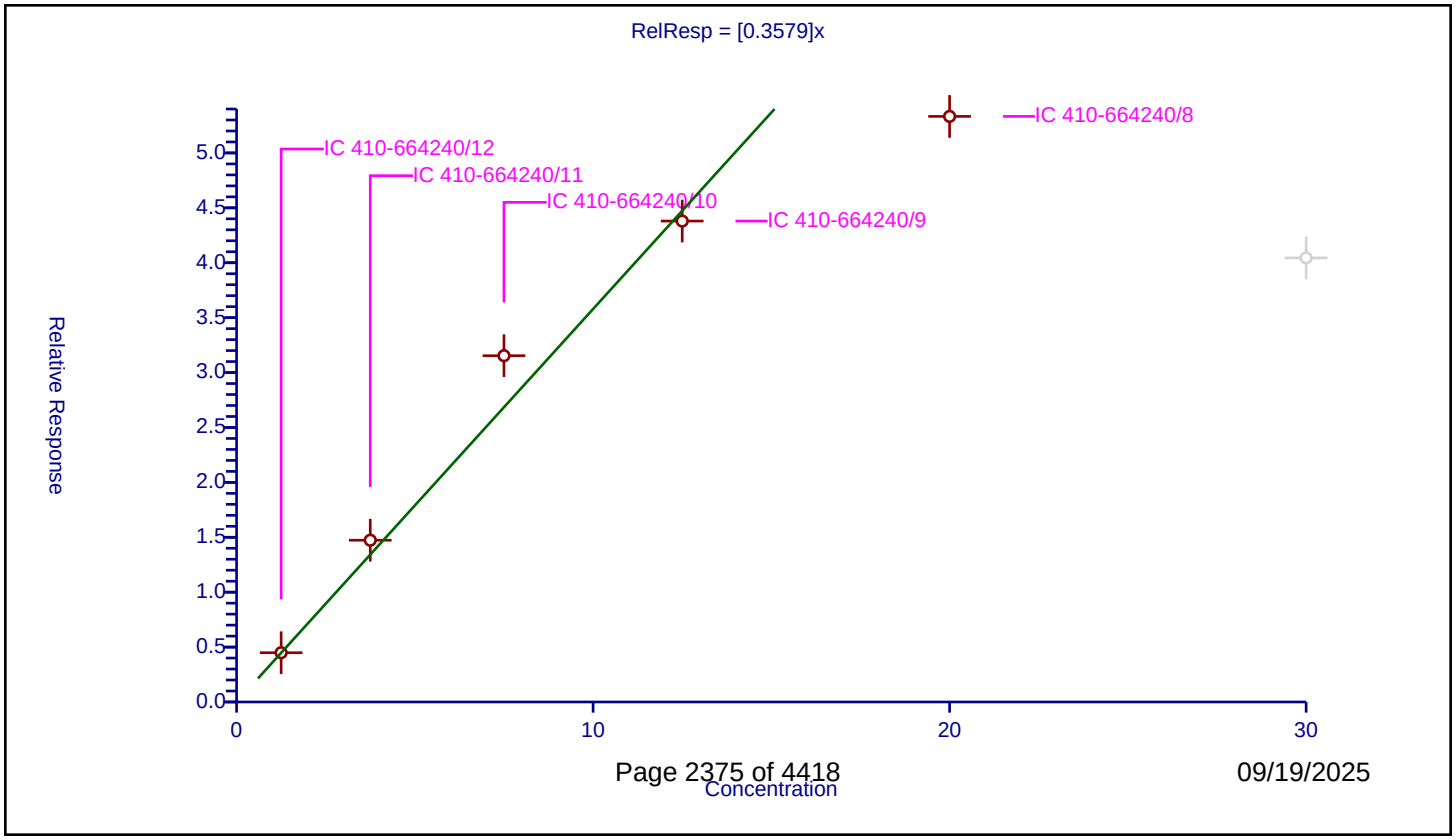
Curve Coefficients

Intercept:	0
Slope:	0.3579

Error Coefficients

Relative Standard Deviation:	16.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-664240/12	1.25	0.448767	5.0	1287182.0	0.359014	Y
2	IC 410-664240/11	3.75	1.473276	5.0	575605.0	0.392874	Y
3	IC 410-664240/10	7.5	3.153515	5.0	583441.0	0.420469	Y
4	IC 410-664240/9	12.5	4.379509	5.0	639405.0	0.350361	Y
5	IC 410-664240/8	20.0	5.332751	5.0	608638.0	0.266638	Y
6	IC 410-664240/7	30.0	4.04395	5.0	625851.0	0.134798	N



09/19/2025

Calibration / Kepone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

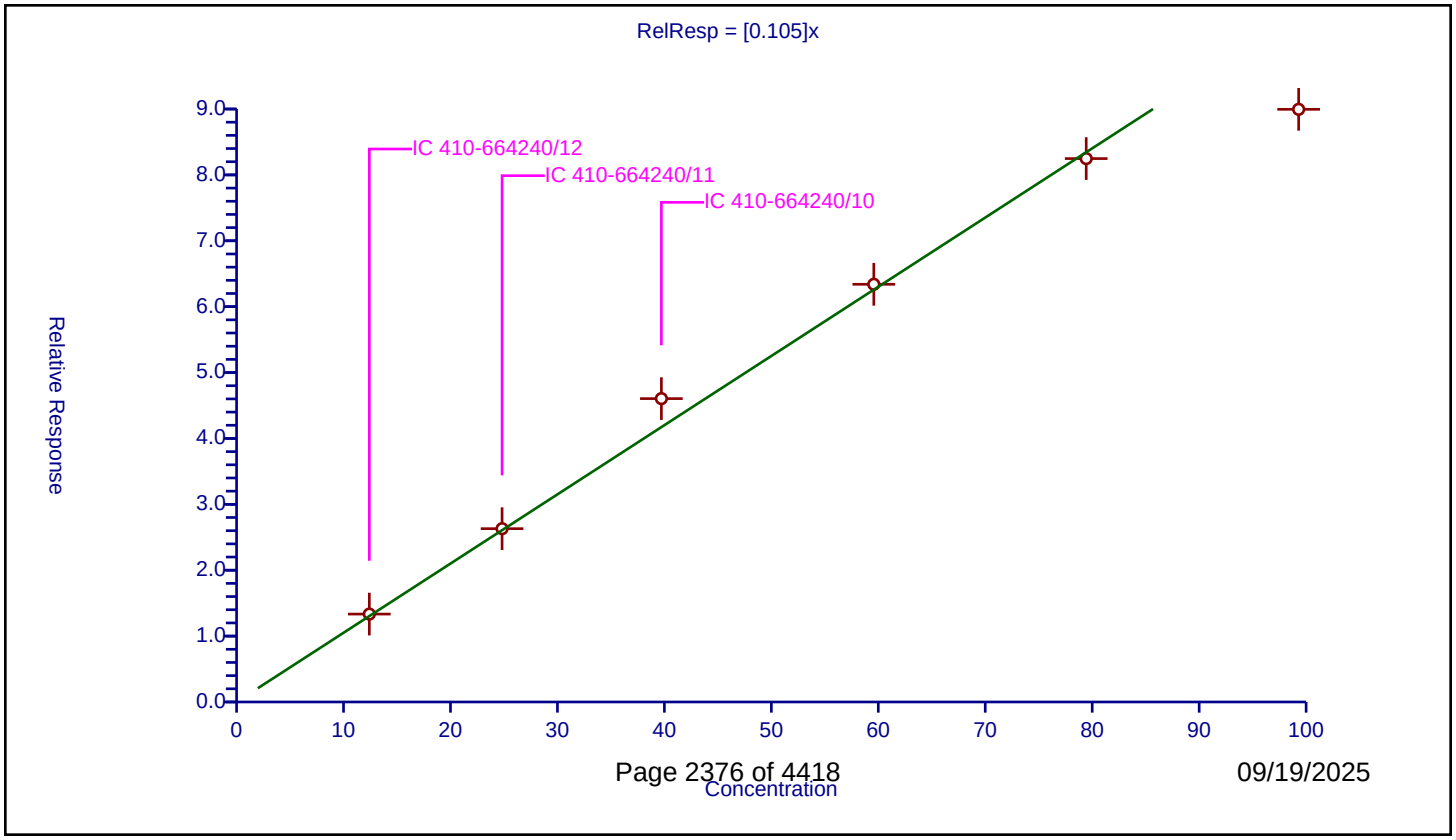
Curve Coefficients

Intercept:	0
Slope:	0.105

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-664240/12	12.4125	1.334205	5.0	1287182.0	0.107489	Y
2	IC 410-664240/11	24.825	2.63058	5.0	575605.0	0.105965	Y
3	IC 410-664240/10	39.72	4.604716	5.0	583441.0	0.115929	Y
4	IC 410-664240/9	59.58	6.339832	5.0	639405.0	0.106409	Y
5	IC 410-664240/8	79.44	8.24753	5.0	608638.0	0.103821	Y
6	IC 410-664240/7	99.3	8.995232	5.0	625851.0	0.090586	Y



09/19/2025

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-630243/9	JD1409.D
Level 2	IC 410-630243/8	JD1408.D
Level 3	IC 410-630243/7	JD1407.D
Level 4	IC 410-630243/6	JD1406.D
Level 5	IC 410-630243/5	JD1405.D
Level 6	ICIS 410-630243/2	JD1401a.D
Level 7	IC 410-630243/4	JD1404.D
Level 8	IC 410-630243/3	JD1403.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	+++++ 0.6828	+++++ 0.6452	0.9986 0.6138	0.6581	0.6055	Lin2	0.4829	0.5909							0.9910		0.9900
N-Nitrosodimethylamine	1.1318 1.2619	1.3240 1.1630	1.1195 1.1329	1.0807	1.0607	Ave		1.1593				7.8		20.0			
Pyridine	1.8223 2.0417	1.7992 1.8635	1.8692 1.8029	1.7226	1.7281	Ave		1.8312				5.5		20.0			
N,N-dimethylformamide	+++++ 1.5268	+++++ 1.4523	1.4516 1.3647	1.2808	1.2857	Ave		1.3937				7.2		20.0			
2-Picoline	1.7772 1.9311	1.7479 1.8033	1.6421 1.8112	1.6920	1.7331	Ave		1.7672				4.9		20.0			
N-Nitrosomethylethylamine	+++++ 0.8234	+++++ 0.7443	0.9418 0.7336	0.7422	0.7847	Ave		0.7950				10.0		20.0			
Methyl methanesulfonate	1.3909 1.1927	1.0455 1.1360	1.1382 1.1115	1.1713	1.0709	Ave		1.1571				9.2		20.0			
N-Nitrosodiethylamine	0.7995 0.7545	0.7497 0.6782	0.6547 0.6823	0.6631	0.6842	Ave		0.7083				7.4		20.0			
Ethyl methanesulfonate	0.7842 0.8108	0.7863 0.7684	0.7606 0.7535	0.7436	0.7162	Ave		0.7655				3.8		20.0			
Benzaldehyde	2.1229 1.7360	1.6905 1.3987	1.7845 +++++	1.6397	1.6073	Ave		1.7114			0.0100	12.8		20.0			
Phenol	1.6019 2.2014	1.6532 2.1550	1.9281 2.0756	1.9508	2.0431	Ave		1.9511			0.8000	11.3		20.0			
Aniline	2.5364 3.0102	2.6347 2.7932	2.6101 2.7147	2.5154	2.6886	Ave		2.6879				5.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Bis(2-chloroethyl)ether	1.5833 1.8074	1.5360 1.7116	1.7785 1.6845	1.6375	1.6446	Ave		1.6729			0.7000	5.5		20.0			
2-Chlorophenol	1.1543 1.4069	1.4008 1.3599	1.2376 1.2996	1.2758	1.2738	Ave		1.3011			0.8000	6.6		20.0			
1,3-Dichlorobenzene	1.5050 1.6070	1.4760 1.5029	1.4745 1.4946	1.4717	1.5063	Ave		1.5047				2.9		20.0			
1,4-Dichlorobenzene	1.7765 1.6736	1.8034 1.5431	1.5789 1.5460	1.4614	1.5047	Ave		1.6109				7.8		20.0			
Benzyl alcohol	0.9822 1.0665	0.8843 1.0345	0.8411 1.0157	0.9673	0.9701	Ave		0.9702				7.8		20.0			
1,2-Dichlorobenzene	1.6369 1.5932	1.3721 1.4775	1.4745 1.4725	1.4295	1.4625	Ave		1.4898				5.7		20.0			
2-Methylphenol	1.2245 1.4936	1.0444 1.4364	1.2347 1.4056	1.3141	1.3721	Ave		1.3157			0.7000	11.0		20.0			
2,2'-oxybis[1-chloropropane]	1.7775 2.2465	2.0530 2.0618	2.0266 2.0494	2.0850	1.9738	Ave		2.0342			0.0100	6.4		20.0			
N-Nitrosopyrrolidine	0.8786 0.8452	0.7396 0.8110	0.8184 0.8011	0.7900	0.7964	Ave		0.8100				5.0		20.0			
N-Nitrosodi-n-propylamine	1.5895 1.6039	1.4999 1.5408	1.4675 1.5038	1.4864	1.5019	Ave		1.5242			0.5000	3.2		20.0			
3,4-Methylphenol	1.6610 1.5282	1.3837 1.4428	1.5984 1.4339	1.3785	1.3895	Ave		1.4770			0.6000	7.3		20.0			
Acetophenone	2.4158 2.6984	2.1468 2.5328	2.4087 2.4821	2.5149	2.4938	Ave		2.4617			0.0100	6.3		20.0			
N-Nitrosomorpholine	1.2357 1.0507	1.1582 0.9888	1.0785 1.0210	1.0361	1.0024	Ave		1.0714				7.9		20.0			
2-Toluidine	2.3908 2.4595	2.4139 2.3999	2.3411 2.3373	2.2668	2.2294	Ave		2.3548				3.3		20.0			
Hexachloroethane	0.7926 0.7732	0.7636 0.7224	0.7300 0.7115	0.7092	0.6934	Ave		0.7370			0.3000	4.8		20.0			
Nitrobenzene	0.6162 0.6371	0.6330 0.5940	0.6016 0.6153	0.5757	0.6171	Ave		0.6113			0.2000	3.3		20.0			
N-Nitrosopiperidine	0.2091 0.1903	0.1982 0.1900	0.1937 0.1918	0.1751	0.2008	Ave		0.1936				5.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Isophorone	1.0357 1.0703	0.8934 1.0771	1.0638 1.0775	1.0038	1.0695	Ave		1.0364			0.4000	6.1		20.0			
2-Nitrophenol	0.1635 0.1969	0.1778 0.1864	0.1908 0.1978	0.1718	0.1931	Ave		0.1848			0.1000	6.8		20.0			
2,4-Dimethylphenol	0.3566 0.4677	0.3897 0.4673	0.4135 0.4794	0.4286	0.4721	Ave		0.4344			0.2000	10.3		20.0			
o,o',o''-Triethylphosphorothioate	+++++ 0.2103	0.1802 0.2058	0.1974 0.2030	0.1941	0.2037	Ave		0.1992				5.0		20.0			
Bis(2-chloroethoxy)methane	0.6036 0.6566	0.6160 0.6217	0.5822 0.6167	0.5939	0.6389	Ave		0.6162			0.3000	3.9		20.0			
a,a-Dimethylphenethylamine	0.9879 0.1726	1.1179 0.1127	0.6724 0.1101	0.7085	0.1560	Ave		0.5048				82.7	*	20.0			
2,4-Dichlorophenol	0.3265 0.3346	0.2528 0.3374	0.2945 0.3350	0.3154	0.3320	Ave		0.3160			0.2000	9.3		20.0			
1,2,4-Trichlorobenzene	0.3792 0.4055	0.3676 0.4045	0.3805 0.4136	0.3806	0.4288	Ave		0.3951				5.3		20.0			
Naphthalene	1.0543 1.0641	1.0717 1.0748	1.0265 1.0700	1.0322	1.0986	Ave		1.0615			0.7000	2.2		20.0			
a-Terpineol	0.4123 0.4024	0.3237 0.4150	0.3710 0.4007	0.3796	0.4158	Ave		0.3901				8.1		20.0			
4-Chloroaniline	0.3788 0.4795	0.3923 0.4601	0.4487 0.4701	0.4302	0.4749	Ave		0.4418			0.0100	8.7		20.0			
2,6-Dichlorophenol	0.2927 0.3272	0.2936 0.3218	0.3060 0.3304	0.3109	0.3357	Ave		0.3148				5.3		20.0			
Hexachloropropene	0.2575 0.3217	0.2990 0.3218	0.3156 0.3263	0.3096	0.3308	Ave		0.3103				7.6		20.0			
Hexachlorobutadiene	0.3552 0.3047	0.2745 0.2975	0.3020 0.2981	0.2976	0.3012	Ave		0.3038			0.0100	7.5		20.0			
Quinoline	0.7040 0.6734	0.7523 0.6595	0.7219 0.6851	0.6704	0.6777	Ave		0.6930				4.5		20.0			
Caprolactam	0.0914 0.0911	0.0887 0.0919	0.0861 0.0957	0.0904	0.0905	Ave		0.0907			0.0100	3.0		20.0			
N-Nitrosodi-n-butylamine	+++++ 0.4325	+++++ 0.4331	0.4650 0.4442	0.4356	0.4463	Ave		0.4428				2.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-phenylenediamine	+++++ 0.4190	+++++ 0.4109	0.3568 0.4237	0.3515	0.4129	Ave		0.3958				8.2		20.0			
4-Chloro-3-methylphenol	0.4117 0.4011	0.3605 0.3895	0.3737 0.4048	0.3927	0.4019	Ave		0.3920			0.2000	4.4		20.0			
Safrole, Total	0.2887 0.2697	0.2904 0.2638	0.2842 0.2785	0.2604	0.2760	Ave		0.2765				4.0		20.0			
2-Methylnaphthalene	0.7039 0.6717	0.5685 0.6361	0.6294 0.6343	0.6442	0.6696	Ave		0.6447			0.4000	6.2		20.0			
1-Methylnaphthalene	0.7431 0.6781	0.6847 0.6736	0.6463 0.6844	0.6429	0.6988	Ave		0.6815				4.6		20.0			
Hexachlorocyclopentadiene	0.5212 0.6641	0.4874 0.6350	0.5530 0.6332	0.6137	0.6645	Ave		0.5965			0.0500	11.3		20.0			
1,2,4,5-Tetrachlorobenzene	0.7604 0.7828	0.7197 0.7453	0.7440 0.7573	0.7208	0.7903	Ave		0.7526			0.0100	3.4		20.0			
Isosafrole Peak 1	0.3397 0.5258	0.5370 0.4962	0.4313 0.4802	0.4952	0.4927	Ave		0.4748				13.3		20.0			
2,4,6-Trichlorophenol	+++++ 0.4599	0.2647 0.4414	0.4132 0.4486	0.4209	0.4539	Ave		0.4147			0.2000	16.5		20.0			
2,4,5-Trichlorophenol	+++++ 0.5089	0.4340 0.4799	0.4662 0.5105	0.4807	0.5006	Ave		0.4830			0.2000	5.6		20.0			
Isosafrole Peak 2	0.5886 0.5622	0.4507 0.5301	0.4752 0.5303	0.5428	0.5539	Ave		0.5292				8.6		20.0			
1,1'-Biphenyl	1.3571 1.5569	1.4553 1.4209	1.4801 1.4374	1.4543	1.5450	Ave		1.4634			0.0100	4.4		20.0			
2-Chloronaphthalene	1.1623 1.2112	1.0383 1.2026	1.0514 1.1178	1.1143	1.1951	Ave		1.1366			0.8000	5.9		20.0			
1-Chloronaphthalene	1.3137 1.0924	1.0843 0.9663	1.1093 1.0855	1.0973	1.1308	Ave		1.1099				8.6		20.0			
Diphenyl ether	0.7923 0.8824	0.7561 0.8137	0.8224 0.8461	0.8476	0.9176	Ave		0.8348				6.1		20.0			
2-Nitroaniline	0.3484 0.3626	0.2390 0.3533	0.3061 0.3657	0.3412	0.3656	Ave		0.3352			0.0100	13.0		20.0			
1,4-Naphthoquinone	0.5373 0.4621	0.4730 0.4448	0.4968 0.4514	0.4689	0.4658	Ave		0.4750				6.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dinitrobenzene	0.1310 0.1737	0.1716 0.1800	0.1743 0.1776	0.1498	0.1819	Ave		0.1675				10.6		20.0			
Dimethyl phthalate	1.3170 1.4331	1.3318 1.3634	1.3477 1.3694	1.3751	1.4138	Ave		1.3689			0.0100	2.9		20.0			
1,3-Dinitrobenzene	0.1683 0.2114	0.2028 0.2007	0.1834 0.2044	0.1858	0.2135	Ave		0.1963				8.0		20.0			
2,6-Dinitrotoluene	0.2387 0.3211	0.3179 0.3035	0.2845 0.3187	0.2897	0.3227	Ave		0.2996			0.2000	9.6		20.0			
Acenaphthylene	1.7186 1.8427	1.5641 1.7497	1.6777 1.7979	1.7253	1.8512	Ave		1.7409			0.9000	5.4		20.0			
3-Nitroaniline	+++++ 0.3257	+++++ 0.3152	0.2795 0.3192	0.2718	0.2967	Ave		0.3013			0.0100	7.4		20.0			
Acenaphthene	1.2533 1.2409	1.0653 1.2042	1.1781 1.2114	1.2102	1.2497	Ave		1.2016			0.9000	5.1		20.0			
2,4-Dinitrophenol	+++++ 0.2029	0.1544 0.2021	0.1539 0.2139	0.1907	0.1954	Ave		0.1876			0.0100	12.8		20.0			
4-Nitrophenol	0.2002 0.2833	0.2161 0.2721	0.2302 0.2877	0.2552	0.2718	Ave		0.2520			0.0100	13.0		20.0			
Pentachlorobenzene	0.6483 0.6655	0.7356 0.6289	0.6801 0.6326	0.6521	0.6393	Ave		0.6603				5.3		20.0			
2,4-Dinitrotoluene	0.3509 0.4415	0.3385 0.4177	0.3777 0.4362	0.4396	0.4557	Ave		0.4072			0.2000	11.1		20.0			
Dibenzofuran	1.5821 1.7963	1.7378 1.6685	1.6936 1.7209	1.7057	1.7841	Ave		1.7111			0.8000	4.0		20.0			
1-Naphthylamine	1.1143 1.1517	1.2259 1.0513	1.0203 1.1054	1.0531	1.0813	Ave		1.1004				6.0		20.0			
2,3,4,6-Tetrachlorophenol	0.4673 0.4653	0.4084 0.4358	0.4341 0.4557	0.3962	0.4546	Ave		0.4397			0.0100	6.0		20.0			
2-Naphthylamine	0.9109 1.1236	1.0133 1.0792	1.0633 1.1136	1.1064	1.0904	Ave		1.0626				6.6		20.0			
Diethyl phthalate	1.4204 1.4693	1.3231 1.3898	1.4006 1.4307	1.4080	1.4159	Ave		1.4072			0.0100	3.0		20.0			
Thionazin	0.2510 0.2388	0.2666 0.2336	0.2324 0.2347	0.2330	0.2293	Ave		0.2399				5.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Fluorene	1.4797 1.3551	1.1854 1.2940	1.3560 1.3203	1.3307	1.3626	Ave		1.3355			0.9000	6.1		20.0			
4-Chlorophenyl phenyl ether	0.7329 0.7092	0.6204 0.6727	0.7021 0.6853	0.7197	0.7015	Ave		0.6930			0.4000	5.0		20.0			
5-Nitro-o-toluidine	0.3778 0.3363	0.4104 0.3133	0.3278 0.3223	0.3198	0.3158	Ave		0.3404				10.3		20.0			
4-Nitroaniline	+++++ 0.3071	0.2548 0.2880	0.2771 0.2948	0.3007	0.3102	Ave		0.2904			0.0100	6.7		20.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1567	+++++ 0.1547	0.1160 0.1477	0.1335	0.1509	Ave		0.1432			0.0100	10.9		20.0			
N-Nitrosodiphenylamine	0.5131 0.6132	0.5745 0.5699	0.4957 0.5563	0.5383	0.6239	Ave		0.5606			0.0100	8.0		20.0			
1,2-Diphenylhydrazine	1.0048 1.0666	0.9788 1.0405	0.9599 0.9834	0.9815	1.0800	Ave		1.0119				4.4		20.0			
Sulfotepp	0.1942 0.1716	0.1469 0.1714	0.1405 0.1654	0.1557	0.1778	Ave		0.1654				10.5		20.0			
1,3,5-Trinitrobenzene	0.0385 0.0686	0.0575 0.0683	0.0542 0.0687	0.0586	0.0683	Ave		0.0603				17.6		20.0			
cis-Diallate	0.4829 0.3772	0.4735 0.3596	0.3553 0.3375	0.3432	0.3929	Ave		0.3903				14.6		20.0			
Phorate	0.6723 0.6497	0.5672 0.6363	0.5568 0.5928	0.5936	0.6261	Ave		0.6118				6.7		20.0			
Phenacetin	0.3182 0.3997	0.3085 0.3940	0.3378 0.3860	0.3657	0.3807	Ave		0.3613				9.8		20.0			
4-Bromophenyl phenyl ether	0.2836 0.2489	0.2236 0.2465	0.2123 0.2339	0.2360	0.2622	Ave		0.2434			0.1000	9.2		20.0			
trans-Diallate	+++++ 0.3696	0.4659 0.3483	0.4382 0.3473	0.3712	0.3967	Ave		0.3910				11.7		20.0			
Hexachlorobenzene	0.3485 0.3145	0.2643 0.3067	0.3014 0.2870	0.2905	0.3227	Ave		0.3045			0.1000	8.3		20.0			
Dimethoate	0.2886 0.3611	0.2740 0.3495	0.2809 0.3288	0.3118	0.3660	Ave		0.3201				11.5		20.0			
Atrazine	0.1687 0.2168	0.1593 0.2130	0.2049 0.1901	0.2133	0.2127	Ave		0.1973			0.0100	11.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Pentachlorophenol	0.1468 0.2055	0.1442 0.2012	0.1568 0.1872	0.1670	0.1970	Ave		0.1757			0.0500	14.2		20.0			
4-Aminobiphenyl	0.6675 0.7895	0.6857 0.7604	0.6564 0.7147	0.7183	0.7684	Ave		0.7201				6.8		20.0			
Pentachloronitrobenzene	0.1686 0.1412	0.1257 0.1374	0.1297 0.1333	0.1407	0.1392	Ave		0.1395				9.3		20.0			
Pronamide	0.2907 0.3488	0.2840 0.3312	0.3088 0.3190	0.2994	0.3518	Ave		0.3167				8.1		20.0			
Dinoseb	+++++ 0.1950	0.1399 0.1925	0.1540 0.1884	0.1635	0.1926	Ave		0.1751				12.8		20.0			
Disulfoton	+++++ 0.5501	0.7194 0.5231	0.5305 0.4974	0.4956	0.5272	Ave		0.5490				14.1		20.0			
Phenanthrene	1.0021 1.1014	0.9501 1.0462	1.0501 0.9904	0.9816	1.1066	Ave		1.0286			0.7000	5.5		20.0			
Anthracene	0.9124 1.1532	0.9562 1.0885	0.9921 1.0308	1.0031	1.0968	Ave		1.0291			0.7000	7.7		20.0			
Carbazole	0.7449 0.9873	0.7493 0.9614	0.8446 0.9331	0.8701	0.9793	Ave		0.8838			0.0100	11.1		20.0			
Methyl parathion	0.2289 0.2779	0.2093 0.2650	0.2268 0.2644	0.2282	0.2681	Ave		0.2461				10.3		20.0			
Di-n-butyl phthalate	0.9440 1.1926	0.9582 1.1691	0.9963 1.1314	1.0501	1.1637	Ave		1.0757			0.0100	9.4		20.0			
Parathion	0.1624 0.1691	0.1172 0.1681	0.1177 0.1609	0.1506	0.1553	Ave		0.1502				14.1		20.0			
4-Nitroquinoline-1-oxide	+++++ 0.0918	+++++ 0.0960	+++++ 0.0906	0.0656	0.0757	Ave		0.0839				15.2		20.0			
Octachlorostyrene	+++++ 0.1269	0.0702 0.1244	0.1260 0.1205	0.1179	0.1349	Ave		0.1173				18.3		20.0			
Isodrin	0.1666 0.1449	0.1591 0.1352	0.1462 0.1297	0.1377	0.1419	Ave		0.1452				8.5		20.0			
Fluoranthene	1.2134 1.2361	1.1051 1.1839	1.0644 1.1243	1.0953	1.2191	Ave		1.1552			0.6000	5.7		20.0			
Benzidine	+++++ 0.7549	+++++ 0.7210	0.5501 0.6171	0.6332	0.7207	Ave		0.6662				11.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Pyrene	1.0930 1.2207	1.2723 1.2137	1.1629 1.1950	1.1471	1.2779	Ave		1.1978			0.6000	5.2		20.0			
p-Dimethylamino azobenzene	0.1344 0.1756	0.1301 0.1712	0.1359 0.1766	0.1507	0.1760	Ave		0.1563				13.3		20.0			
Famphur	+++++ 0.0030	+++++ 0.0001	+++++ 0.0027	0.0035	0.0042	Ave		0.0027				58.8	*	20.0			
Chlorobenzilate	0.2560 0.3410	0.2651 0.3311	0.2812 0.3362	0.2843	0.3199	Ave		0.3018				11.3		20.0			
3,3'-Dimethylbenzidine	0.4654 0.6094	0.4501 0.5545	0.4658 0.5051	0.4811	0.5815	Ave		0.5141				11.7		20.0			
Butyl benzyl phthalate	0.3951 0.4914	0.3685 0.4727	0.4071 0.4714	0.4005	0.4789	Ave		0.4357			0.0100	10.9		20.0			
2-Acetylaminofluorene	+++++ 0.3617	+++++ 0.3617	+++++ 0.3738	0.2800	0.3466	Ave		0.3448				10.9		20.0			
3,3'-Dichlorobenzidine	0.3433 0.4808	0.3619 0.4754	0.3669 0.4540	0.4065	0.4687	Ave		0.4197			0.0100	13.5		20.0			
4,4'-Methylene bis(2-chloroaniline)	0.2220 0.2090	0.1643 0.2021	0.1688 0.2048	0.1828	0.2124	Ave		0.1958				10.8		20.0			
Benzo[a]anthracene	0.9515 1.1380	0.8626 1.1215	1.0302 1.1028	1.0128	1.1465	Ave		1.0457			0.8000	9.7		20.0			
Chrysene	0.7855 1.0783	0.9456 1.0393	1.0023 1.0070	0.9581	1.0876	Ave		0.9880			0.7000	9.8		20.0			
Bis(2-ethylhexyl) phthalate	0.5164 0.6985	0.5877 0.6862	0.5539 0.6873	0.5484	0.6747	Ave		0.6191			0.0100	12.1		20.0			
6-Methylchrysene	0.5666 0.7272	0.5912 0.6969	0.6361 0.7010	0.6386	0.7091	Ave		0.6583				9.0		20.0			
Di-n-octyl phthalate	+++++ 1.2347	+++++ 1.3032	0.9431 1.2786	1.0152	1.2239	Ave		1.1664			0.0100	12.8		20.0			
7,12-Dimethylbenz(a)anthracene	0.4273 0.4804	0.4702 0.5090	0.4166 0.4818	0.4322	0.4911	Ave		0.4636				7.3		20.0			
Benzo[b]fluoranthene	1.0957 1.2707	1.1325 1.3054	1.1186 1.2286	1.1438	1.3172	Ave		1.2016			0.7000	7.4		20.0			
Benzo[k]fluoranthene	1.2617 1.2561	1.2184 1.2774	1.1626 1.2290	1.1529	1.3367	Ave		1.2369			0.7000	4.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Benzo[a]pyrene	1.0872 1.2028	1.0240 1.2224	1.0740 1.1850	1.0733	1.2362	Ave		1.1381			0.7000	7.2		20.0			
3-Methylcholanthrene	0.5234 0.5423	0.6797 0.5581	0.4636 0.5692	0.4674	0.5461	Ave		0.5437				12.4		20.0			
Dibenz[a,h]acridine	0.9119 0.9035	0.8138 0.9366	0.8008 0.9273	0.8240	0.8965	Ave		0.8768				6.2		20.0			
Dibenz[a,j]acridine	0.8674 1.0673	0.8654 1.0854	0.8785 1.0550	0.9653	1.0709	Ave		0.9819				10.1		20.0			
Indeno[1,2,3-cd]pyrene	1.0269 1.2093	1.1194 1.2747	1.0163 1.2510	1.0489	1.1968	Ave		1.1429			0.5000	9.1		20.0			
Dibenz(a,h)anthracene	0.8514 1.1660	0.8884 1.2571	1.0674 1.1754	1.0837	1.2049	Ave		1.0868			0.4000	13.6		20.0			
Benzo[g,h,i]perylene	1.1019 1.2298	1.0837 1.2562	1.1104 1.2112	1.1081	1.2436	Ave		1.1681			0.5000	6.3		20.0			
2-Fluorophenol (Surr)	1.4592 1.6142	1.0544 1.5150	1.3770 1.4851	1.3764	1.4662	Ave		1.4184				11.7		20.0			
Phenol-d5 (Surr)	1.6490 2.3324	1.5612 2.2517	1.9179 2.1768	2.0303	2.1233	Ave		2.0053				13.9		20.0			
Nitrobenzene-d5 (Surr)	0.6218 0.6514	0.6115 0.6365	0.5914 0.6375	0.5924	0.6426	Ave		0.6231				3.7		20.0			
2-Fluorobiphenyl (Surr)	1.3296 1.5193	1.3636 1.4458	1.3604 1.4497	1.5249	1.5337	Ave		1.4409				5.7		20.0			
2,4,6-Tribromophenol (Surr)	0.2507 0.3308	0.3026 0.3183	0.3040 0.3231	0.3023	0.3247	Ave		0.3071				8.2		20.0			
p-Terphenyl-d14 (Surr)	0.7710 0.8816	0.7917 0.8287	0.7984 0.7716	0.7775	0.8764	Ave		0.8121				5.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-630243/9	JD1409.D
Level 2	IC 410-630243/8	JD1408.D
Level 3	IC 410-630243/7	JD1407.D
Level 4	IC 410-630243/6	JD1406.D
Level 5	IC 410-630243/5	JD1405.D
Level 6	ICIS 410-630243/2	JD1401a.D
Level 7	IC 410-630243/4	JD1404.D
Level 8	IC 410-630243/3	JD1403.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd4	Lin2	+++++ 309022	+++++ 477100	43786 687791	91353	179400	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodimethylamine	DCBd4	Ave	6400 571069	11947 860062	49088 1269392	150022	314287	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pyridine	DCBd4	Ave	20608 1847913	32469 2756033	163920 4040303	478248	1024078	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
N,N-dimethylformamide	DCBd4	Ave	+++++ 690962	+++++ 1073982	63648 1529108	177802	380966	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Picoline	DCBd4	Ave	10049 873928	15772 1333504	72002 2029505	234877	513520	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomethylethylamine	DCBd4	Ave	+++++ 372645	+++++ 550425	41296 821984	103033	232526	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Methyl methanesulfonate	DCBd4	Ave	7865 539768	9434 840070	49909 1245411	162598	317307	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodiethylamine	DCBd4	Ave	4521 341433	6765 501507	28706 764477	92051	202720	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Ethyl methanesulfonate	DCBd4	Ave	4434 366923	7095 568223	33351 844324	103228	212230	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzaldehyde	DCBd4	Ave	12004 785629	15254 1034292	78247 +++++	227615	476262	0.125 12.5	0.250 20.0	1.25 +++++	3.75	7.50
Phenol	DCBd4	Ave	9058 996264	14917 1593632	84543 2325765	270805	605378	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Aniline	DCBd4	Ave	14342 1362275	23773 2065540	114447 3041844	349185	796668	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethyl)ether	DCBd4	Ave	8953 817948	13860 1265719	77982 1887460	227317	487316	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chlorophenol	DCBd4	Ave	6527 636715	12640 1005634	54265 1456185	177106	377452	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dichlorobenzene	DCBd4	Ave	8510	13318	64651	204304	446321	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			727260	1111379	1674761			12.5	20.0	30.0		
1,4-Dichlorobenzene	DCBd4	Ave	10045 757405	16272 1141144	69229 1732301	202869	445846	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzyl alcohol	DCBd4	Ave	5554 482662	7979 764975	36880 1138071	134277	287453	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2-Dichlorobenzene	DCBd4	Ave	9256 721018	12381 1092582	64653 1649891	198445	433350	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylphenol	DCBd4	Ave	6924 675941	9424 1062181	54138 1575037	182417	406572	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,2'-oxybis[1-chloropropane]	DCBd4	Ave	10051 1016646	18525 1524674	88863 2296358	289435	584855	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopyrrolidine	DCBd4	Ave	4968 382486	6674 599737	35885 897691	109661	235966	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-propylamine	DCBd4	Ave	8988 725854	13534 1139430	64345 1685072	206334	445032	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3,4-Methylphenol	DCBd4	Ave	9392 691592	12485 1066920	70087 1606670	191359	411732	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acetophenone	DCBd4	Ave	13660 1221149	19371 1872994	105614 2781186	349120	738940	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomorpholine	DCBd4	Ave	6987 475496	10451 731196	47289 1144010	143833	297026	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Toluidine	DCBd4	Ave	13519 1113027	21781 1774705	102652 2618936	314668	660584	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloroethane	DCBd4	Ave	4482 349921	6890 534205	32008 797286	98454	205465	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Nitrobenzene	NPT	Ave	12649 1078458	20670 1597938	99262 2422566	293728	628139	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopiperidine	NPT	Ave	4293 322195	6472 511093	31960 755251	89327	204353	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isophorone	NPT	Ave	21260 1811850	29170 2897429	175516 4242595	512125	1088680	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitrophenol	NPT	Ave	3357 333329	5804 501485	31484 778903	87652	196606	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dimethylphenol	NPT	Ave	7321 791772	12726 1256992	68230 1887509	218636	480533	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o,o',o''-Triethylphosphorothioate	NPT	Ave	+++++ 356056	5885 553648	32565 799395	99041	207305	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethoxy)methane	NPT	Ave	12391 1111485	20112 1672568	96052 2428310	302968	650307	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
a,a-Dimethylphenethylamine	NPT	Ave	20280	36501	110939	361438	158760	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			292183	303120	433509			12.5	20.0	30.0		
2,4-Dichlorophenol	NPT	Ave	6703 566434	8256 907720	48583 1319165	160915	337895	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2,4-Trichlorobenzene	NPT	Ave	7784 686444	12004 1088141	62787 1628696	194174	436483	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Naphthalene	NPT	Ave	21642 1801318	34993 2891332	169365 4213296	526617	1118282	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
a-Terpineol	NPT	Ave	8463 681245	10570 1116462	61215 1577639	193659	423210	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloroaniline	NPT	Ave	7775 811785	12810 1237809	74032 1851125	219469	483377	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dichlorophenol	NPT	Ave	6009 553911	9587 865730	50484 1301151	158614	341745	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloropropene	NPT	Ave	5286 544496	9762 865784	52066 1284923	157946	336767	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorobutadiene	NPT	Ave	7292 515717	8964 800259	49829 1173667	151817	306626	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Quinoline	NPT	Ave	14452 1139964	24565 1774063	119101 2697452	342023	689859	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Caprolactam	NPT	Ave	1877 154158	2897 247209	14206 376690	46128	92076	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-butylamine	NPT	Ave	+++++ 732146	+++++ 1165035	76717 1749203	222211	454275	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
1,4-phenylenediamine	NPT	Ave	+++++ 709263	+++++ 1105356	58877 1668413	179331	420295	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Chloro-3-methylphenol	NPT	Ave	8452 678984	11772 1047904	61650 1594087	200330	409106	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Safrole, Total	NPT	Ave	5926 456636	9482 709573	46889 1096654	132830	280959	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylnaphthalene	NPT	Ave	14449 1137075	18562 1711189	103849 2497545	328631	681578	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Methylnaphthalene	NPT	Ave	15255 1147957	22357 1812171	106637 2694889	327984	711357	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorocyclopentadiene	ANT	Ave	6472 662160	10331 1046379	57470 1514618	186821	410271	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2,4,5-Tetrachlorobenzene	ANT	Ave	9443 780499	15254 1227982	77329 1811638	219418	487983	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 1	ANT	Ave	675 83882	1821 130807	7172 183788	24117	48671	0.0200 2.00	0.0400 3.20	0.200 4.80	0.600	1.20
2,4,6-Trichlorophenol	ANT	Ave	+++++	5610	42947	128123	280271	+++++	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			458553	727226	1073215			12.5	20.0	30.0		
2,4,5-Trichlorophenol	ANT	Ave	+++++ 507455	9199 790749	48451 1221052	146308	309081	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 2	ANT	Ave	6140 470867	8024 733761	41488 1065594	138781	287282	0.105 10.5	0.210 16.8	1.05 25.2	3.15	6.30
1,1'-Biphenyl	ANT	Ave	16853 1552380	30844 2341294	153832 3438401	442670	953956	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chloronaphthalene	ANT	Ave	14433 1207694	22007 1981488	109269 2673950	339196	737876	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Chloronaphthalene	ANT	Ave	16313 1089156	22981 1592148	115292 2596577	334023	698172	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diphenyl ether	ANT	Ave	9839 879804	16025 1340788	85474 2023970	257994	566566	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitroaniline	ANT	Ave	4326 361551	5066 582179	31818 874906	103852	225702	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Naphthoquinone	ANT	Ave	6672 460703	10025 732862	51631 1079786	142724	287576	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Dinitrobenzene	ANT	Ave	1627 173144	3636 296621	18118 424809	45601	112319	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethyl phthalate	ANT	Ave	16355 1428893	28228 2246531	140065 3275767	418577	872901	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dinitrobenzene	ANT	Ave	2090 210755	4299 330773	19064 489005	56544	131809	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dinitrotoluene	ANT	Ave	2964 320117	6738 500117	29572 762381	88183	199217	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthylene	ANT	Ave	21342 1837303	33150 2882970	174365 4300874	525169	1142969	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Nitroaniline	ANT	Ave	+++++ 324777	+++++ 519299	29044 763500	82745	183186	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Acenaphthene	ANT	Ave	15563 1237296	22579 1984223	122446 2897748	368368	771606	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrophenol	ANT	Ave	+++++ 404564	32722 666118	63987 1023456	174163	281454	+++++ 25.0	2.50 40.0	5.00 60.0	11.3	17.5
4-Nitrophenol	ANT	Ave	14913 564928	27477 896540	71765 1376467	155350	335577	0.750 25.0	1.50 40.0	3.75 60.0	7.50	15.0
Pentachlorobenzene	ANT	Ave	8051 663541	15592 1036256	70681 1513338	198507	394736	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrotoluene	ANT	Ave	4358 440208	7175 688275	39259 1043423	133802	281339	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenzofuran	ANT	Ave	19647	36832	176022	519207	1101549	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1790994	2749225	4116522			12.5	20.0	30.0		
1-Naphthylamine	ANT	Ave	13838 1148352	25983 1732163	106045 2644179	320543	667621	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,3,4,6-Tetrachlorophenol	ANT	Ave	5803 463940	8657 718016	45121 1089978	120592	280711	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Naphthylamine	ANT	Ave	11312 1120290	21477 1778204	110514 2663876	336775	673239	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diethyl phthalate	ANT	Ave	17638 1464968	28044 2289999	145567 3422482	428589	874190	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Thionazin	ANT	Ave	3117 238111	5651 384949	24156 561517	70912	141596	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluorene	ANT	Ave	18375 1351090	25125 2132204	140935 3158325	405048	841284	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chlorophenyl phenyl ether	ANT	Ave	9101 707128	13150 1108444	72975 1639219	219070	433098	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
5-Nitro-o-toluidine	ANT	Ave	4692 335307	8698 516297	34066 770968	97355	194966	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroaniline	ANT	Ave	+++++ 306160	5400 474566	28801 705275	91534	191538	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 574183	+++++ 929308	71476 1383069	159674	335480	+++++ 25.0	+++++ 40.0	3.75 60.0	7.50	15.0
N-Nitrosodiphenylamine	PHN	Ave	10847 954715	20035 1455120	86546 2213892	273747	589688	0.106 10.6	0.213 17.0	1.06 25.5	3.19	6.38
1,2-Diphenylhydrazine	PHN	Ave	24989 1953564	40157 3125247	197162 4604074	587168	1200864	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Sulfotepp	PHN	Ave	4830 314270	6026 514837	28864 774212	93129	197727	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3,5-Trinitrobenzene	PHN	Ave	958 125568	2359 205220	11123 321854	35041	75951	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
cis-Diallate	PHN	Ave	8887 511224	14375 799345	54003 1169394	151923	323269	0.0925 9.25	0.185 14.8	0.925 22.2	2.78	5.55
Phorate	PHN	Ave	16720 1190056	23270 1911161	114357 2775252	355106	696228	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenacetin	PHN	Ave	7914 732195	12657 1183542	69383 1807409	218800	423257	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Bromophenyl phenyl ether	PHN	Ave	7052 455920	9174 740277	43615 1095291	141171	291533	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
trans-Diallate	PHN	Ave	+++++ 176005	4970 271976	23401 422766	57739	114699	+++++ 3.25	0.0650 5.20	0.325 7.80	0.975	1.95
Hexachlorobenzene	PHN	Ave	8666	10845	61905	173809	358837	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			576114	921277	1343797			12.5	20.0	30.0		
Dimethoate	PHN	Ave	7178 661474	11241 1049653	57700 1539235	186515	407004	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Atrazine	PHN	Ave	4195 397149	6534 639898	42082 889846	127620	236481	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachlorophenol	PHN	Ave	18258 752783	29585 1208678	64405 1753031	199791	438014	0.625 25.0	1.25 40.0	2.50 60.0	7.50	15.0
4-Aminobiphenyl	PHN	Ave	16600 1446144	28134 2283944	134818 3345882	429733	854381	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachloronitrobenzene	PHN	Ave	4192 258555	5157 412693	26633 624029	84148	154760	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pronamide	PHN	Ave	7229 638909	11652 994858	63433 1493553	179120	391155	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dinoseb	PHN	Ave	+++++ 357261	5740 578327	31640 881837	97806	214180	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Disulfoton	PHN	Ave	+++++ 1007606	29515 1571333	108955 2328679	296474	586177	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenanthrene	PHN	Ave	24921 2017462	38980 3142559	215692 4636777	587215	1230410	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Anthracene	PHN	Ave	22691 2112289	39232 3269364	203771 4825978	600098	1219577	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Carbazole	PHN	Ave	18526 1808477	30742 2887623	173477 4368558	520544	1088962	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Methyl parathion	PHN	Ave	5693 509069	8587 795842	46579 1238041	136519	298082	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-butyl phthalate	PHN	Ave	23478 2184493	39311 3511601	204642 5297093	628202	1293958	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Parathion	PHN	Ave	4040 309747	4807 504877	24171 753403	90122	172667	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroquinoline-1-oxide	PHN	Ave	+++++ 168060	+++++ 288345	+++++ 424159	39272	84144	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
Octachlorostyrene	PHN	Ave	+++++ 232398	2882 373619	25881 564235	70560	150000	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isodrin	PHN	Ave	4143 265350	6527 406118	30030 607021	82383	157809	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluoranthene	PHN	Ave	30176 2264190	45340 3556042	218630 5263887	655232	1355554	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzidine	PYR10	Ave	+++++ 4246821	+++++ 6623503	334463 8535888	1161672	2405618	+++++ 37.5	+++++ 60.0	3.75 90.0	11.3	22.5
Pyrene	PYR10	Ave	26945	51310	235669	701506	1421803	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-234898-1 | Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 | GC Column: DB-5MS 30m ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 | Calibration End Date: 04/14/2025 14:11 | Calibration ID: 71724

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			2289160	3716520	5509538			12.5	20.0	30.0		
p-Dimethylamino azobenzene	PYR10	Ave	3314 329291	5245 524365	27532 814007	92179	195860	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Famphur	PYR10	Ave	+++++ 5560	+++++ 174	+++++ 12264	2124	4642	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
Chlorobenzilate	PYR10	Ave	6312 639448	10692 1013952	56985 1549907	173839	355887	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3,3'-Dimethylbenzidine	PYR10	Ave	11473 1142819	18153 1697947	94404 2328894	294238	646996	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Butyl benzyl phthalate	PYR10	Ave	9739 921455	14860 1447325	82510 2173193	244955	532814	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Acetylaminofluorene	PYR10	Ave	+++++ 678236	+++++ 1107489	+++++ 1723363	171261	385642	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
3,3'-Dichlorobenzidine	PYR10	Ave	8464 901737	14595 1455551	74354 2093210	248578	521488	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,4'-Methylene bis(2-chloroaniline)	PYR10	Ave	5473 391874	6625 618806	34218 944210	111778	236356	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]anthracene	PYR10	Ave	23456 2134192	34790 3433977	208780 5084390	619413	1275685	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chrysene	PYR10	Ave	19363 2022155	38137 3182249	203120 4642652	585940	1210139	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-ethylhexyl) phthalate	PYR10	Ave	12731 1309876	23702 2101137	112249 3168952	335380	750749	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
6-Methylchrysene	PYR10	Ave	13968 1363666	23842 2133865	128907 3232131	390537	788948	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-octyl phthalate	PRY	Ave	+++++ 2093318	+++++ 3452959	165667 5303186	534333	1203302	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
7,12-Dimethylbenz(a)anthracene	PRY	Ave	7769 814448	15366 1348675	73180 1998518	227453	482874	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[b]fluoranthene	PRY	Ave	19924 2154407	37012 3458844	196493 5095994	601971	1294982	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[k]fluoranthene	PRY	Ave	22942 2129759	39820 3384623	204215 5097724	606786	1314213	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]pyrene	PRY	Ave	19769 2039379	33465 3238746	188653 4914991	564916	1215336	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Methylcholanthrene	PRY	Ave	9518 919437	22214 1478763	81437 2360812	245992	536945	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,h]acridine	PRY	Ave	16581 1531900	26596 2481661	140676 3846187	433666	881411	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,j]acridine	PRY	Ave	15772	28284	154327	508034	1052845	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1809538	2875836	4376021			12.5	20.0	30.0		
Indeno[1,2,3-cd]pyrene	PRY	Ave	18673 2050310	36583 3377310	178529 5188978	552032	1176641	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz(a,h)anthracene	PRY	Ave	15482 1976924	29035 3330673	187506 4875116	570382	1184656	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[g,h,i]perylene	PRY	Ave	20037 2085121	35417 3328299	195059 5023656	583210	1222693	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Fluorophenol (Surr)	DCBd4	Ave	16502 1461021	19029 2240723	120751 3328234	382134	868882	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Phenol-d5 (Surr)	DCBd4	Ave	18648 2111048	28174 3330173	168185 4878200	563684	1258323	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Nitrobenzene-d5 (Surr)	NPT	Ave	25527 2205454	39935 3424331	195167 5020163	604494	1308252	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2-Fluorobiphenyl (Surr)	ANT	Ave	33023 3029702	57804 4764526	282773 6935633	928308	1893857	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	6227 659622	12829 1048819	63197 1545978	184052	400998	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
p-Terphenyl-d14 (Surr)	PYR10	Ave	38013 3306512	63855 5075313	323583 7115191	951028	1950184	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-630243/9	JD1409.D
Level 2	IC 410-630243/8	JD1408.D
Level 3	IC 410-630243/7	JD1407.D
Level 4	IC 410-630243/6	JD1406.D
Level 5	IC 410-630243/5	JD1405.D
Level 6	ICIS 410-630243/2	JD1401a.D
Level 7	IC 410-630243/4	JD1404.D
Level 8	IC 410-630243/3	JD1403.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dioxane	+++++ 5.1	+++++ 1.1	3.6	-10.4	-8.4	9.0	30	30	50	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1401a.D
Lims ID: ICIS L6
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 14-Apr-2025 11:33:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS L6
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 19:08:06 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: W6ZA Date: 14-Apr-2025 12:11:33

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.780	1.780	0.000	95	309022	12.5	13.6	
	2 N-Nitrosodimethylamine	74	2.013	2.013	0.000	90	571069	12.5	13.6	
	3 Pyridine	79	2.054	2.054	0.000	97	1847913	25.0	27.9	
	4 Dimethylformamide	73	2.358	2.358	0.000	95	690962	12.5	13.7	
	5 2-Picoline	93	2.667	2.667	0.000	90	873928	12.5	13.7	
	6 N-Nitrosomethylethylamine	88	2.743	2.743	0.000	91	372645	12.5	12.9	
	7 Methyl methanesulfonate	80	3.017	3.017	0.000	86	539768	12.5	12.9	
$	9 2-Fluorophenol	112	3.181	3.181	0.000	94	1461021	25.0	28.5	
	11 N-Nitrosodiethylamine	102	3.403	3.403	0.000	97	341433	12.5	13.3	
	12 Ethyl methanesulfonate	109	3.689	3.689	0.000	94	366923	12.5	13.2	
	13 Benzaldehyde	77	4.022	4.022	0.000	90	785629	12.5	12.7	
$	15 Phenol-d5	99	4.074	4.074	0.000	94	2111048	25.0	29.1	
	16 Phenol	94	4.086	4.086	0.000	92	996264	12.5	14.1	
	17 Aniline	93	4.121	4.121	0.000	95	1362275	12.5	14.0	
	18 Bis(2-chloroethyl)ether	93	4.179	4.179	0.000	93	817948	12.5	13.5	
	19 2-Chlorophenol	128	4.238	4.238	0.000	90	636715	12.5	13.5	
	21 1,3-Dichlorobenzene	146	4.384	4.384	0.000	93	727260	12.5	13.3	
*	22 1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	96	181020	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.454	4.454	0.000	89	757405	12.5	13.0	
	26 Benzyl alcohol	108	4.571	4.571	0.000	86	482662	12.5	13.7	
	27 1,2-Dichlorobenzene	146	4.600	4.600	0.000	92	721018	12.5	13.4	
	29 2-Methylphenol	108	4.676	4.676	0.000	95	675941	12.5	14.2	
	30 2,2'-oxybis[1-chloropropane]	45	4.699	4.699	0.000	92	1016646	12.5	13.8	
	31 N-Nitrosopyrrolidine	100	4.804	4.804	0.000	92	382486	12.5	13.0	
	34 4-Methylphenol	108	4.822	4.822	0.000	63	691592	12.5	12.9	
	32 Acetophenone	105	4.822	4.822	0.000	85	1221149	12.5	13.7	
	33 N-Nitrosodi-n-propylamine	70	4.827	4.827	0.000	80	725854	12.5	13.2	
	35 N-Nitrosomorpholine	56	4.845	4.845	0.000	89	475496	12.5	12.3	
	36 2-Toluidine	106	4.857	4.857	0.000	93	1113027	12.5	13.1	
	37 Hexachloroethane	117	4.927	4.927	0.000	91	349921	12.5	13.1	
$	39 Nitrobenzene-d5	82	4.968	4.968	0.000	87	2205454	25.0	26.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Nitrobenzene	77	4.985	4.985	0.000	84	1078458	12.5	13.0	
41 N-Nitrosopiperidine	114	5.131	5.131	0.000	81	322195	12.5	12.3	
42 Isophorone	82	5.219	5.219	0.000	95	1811850	12.5	12.9	
43 2-Nitrophenol	139	5.295	5.295	0.000	86	333329	12.5	13.3	
44 2,4-Dimethylphenol	107	5.335	5.335	0.000	97	791772	12.5	13.5	
46 o,o',o''-Triethylphosphorothioat	198	5.400	5.400	0.000	91	356056	12.5	13.2	
47 Bis(2-chloroethoxy)methane	93	5.429	5.429	0.000	97	1111485	12.5	13.3	
54 alpha,alpha-Dimethyl phenethylam	58	5.511	5.511	0.000	97	292183	12.5	4.27	
49 2,4-Dichlorophenol	162	5.522	5.522	0.000	97	566434	12.5	13.2	
50 1,2,4-Trichlorobenzene	180	5.604	5.604	0.000	93	686444	12.5	12.8	
* 52 Naphthalene-d8	136	5.657	5.657	0.000	99	677126	5.00	5.00	
53 Naphthalene	128	5.680	5.680	0.000	98	1801318	12.5	12.5	
55 Alpha-Terpineol	59	5.692	5.692	0.000	92	681245	12.5	12.9	
56 4-Chloroaniline	127	5.733	5.733	0.000	92	811785	12.5	13.6	
57 2,6-Dichlorophenol	162	5.738	5.738	0.000	92	553911	12.5	13.0	
58 Hexachloropropene	213	5.762	5.762	0.000	99	544496	12.5	13.0	
59 Hexachlorobutadiene	225	5.797	5.797	0.000	92	515717	12.5	12.5	
61 Quinoline	129	6.001	6.001	0.000	94	1139964	12.5	12.1	
62 Caprolactam	113	6.060	6.060	0.000	54	154158	12.5	12.5	
63 N-Nitrosodi-n-butylamine	84	6.060	6.060	0.000	85	732146	12.5	12.2	
64 p-Phenylene diamine	108	6.071	6.071	0.000	91	709263	12.5	13.2	
65 4-Chloro-3-methylphenol	107	6.200	6.200	0.000	91	678984	12.5	12.8	
66 Safrole, Total	162	6.264	6.264	0.000	77	456636	12.5	12.2	
67 2-Methylnaphthalene	142	6.346	6.346	0.000	92	1137075	12.5	13.0	
69 1-Methylnaphthalene	142	6.439	6.439	0.000	93	1147957	12.5	12.4	
71 Hexachlorocyclopentadiene	237	6.492	6.492	0.000	93	662160	12.5	13.9	
70 1,2,4,5-Tetrachlorobenzene	216	6.503	6.503	0.000	97	780499	12.5	13.0	
S 24 Dinitrotoluene	165				0		25.0	26.9	
72 Isosafrole Peak 1	162	6.544	6.544	0.000	83	83882	2.00	2.22	
79 2,4,6-Trichlorophenol	196	6.614	6.614	0.000	86	458553	12.5	13.9	
80 2,4,5-Trichlorophenol	196	6.649	6.649	0.000	91	507455	12.5	13.2	
$ 81 2-Fluorobiphenyl (Surr)	172	6.696	6.696	0.000	99	3029702	25.0	26.4	
82 Isosafrole Peak 2	162	6.760	6.760	0.000	84	470867	10.5	11.2	
83 1,1'-Biphenyl	154	6.789	6.789	0.000	97	1552380	12.5	13.3	
84 2-Chloronaphthalene	162	6.807	6.807	0.000	97	1207694	12.5	13.3	
85 1-Chloronaphthalene	162	6.830	6.830	0.000	97	1089156	12.5	12.3	
86 Phenyl ether	170	6.895	6.895	0.000	85	879804	12.5	13.2	
87 2-Nitroaniline	138	6.906	6.906	0.000	74	361551	12.5	13.5	
88 1,4-Naphthoquinone	158	6.982	6.982	0.000	77	460703	12.5	12.2	
89 1,4-Dinitrobenzene	168	7.046	7.046	0.000	83	173144	12.5	13.0	
90 Dimethyl phthalate	163	7.087	7.087	0.000	96	1428893	12.5	13.1	
91 1,3-Dinitrobenzene	168	7.111	7.111	0.000	81	210755	12.5	13.5	
92 2,6-Dinitrotoluene	165	7.140	7.140	0.000	87	320117	12.5	13.4	
93 Acenaphthylene	152	7.204	7.204	0.000	99	1837303	12.5	13.2	
95 3-Nitroaniline	138	7.297	7.297	0.000	85	324777	12.5	13.5	
* 96 Acenaphthene-d10	164	7.338	7.338	0.000	95	398829	5.00	5.00	
97 Acenaphthene	153	7.367	7.367	0.000	98	1237296	12.5	12.9	
98 2,4-Dinitrophenol	184	7.402	7.402	0.000	80	404564	25.0	27.0	
100 4-Nitrophenol	109	7.467	7.467	0.000	82	564928	25.0	28.1	
99 Pentachlorobenzene	250	7.490	7.490	0.000	98	663541	12.5	12.6	
102 2,4-Dinitrotoluene	165	7.525	7.525	0.000	84	440208	12.5	13.6	
101 Dibenzofuran	168	7.531	7.531	0.000	96	1790994	12.5	13.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
104 1-Naphthylamine	143	7.607	7.607	0.000	96	1148352	12.5	13.1	
105 2,3,4,6-Tetrachlorophenol	232	7.648	7.648	0.000	72	463940	12.5	13.2	
106 2-Naphthylamine	143	7.683	7.683	0.000	94	1120290	12.5	13.2	
107 Diethyl phthalate	149	7.765	7.765	0.000	96	1464968	12.5	13.1	
109 Thionazin	107	7.840	7.840	0.000	77	238111	12.5	12.4	
108 Fluorene	166	7.858	7.858	0.000	94	1351090	12.5	12.7	
110 4-Chlorophenyl phenyl ether	204	7.864	7.864	0.000	91	707128	12.5	12.8	
111 N-Nitro-o-toluidine	152	7.875	7.875	0.000	85	335307	12.5	12.3	
112 4-Nitroaniline	138	7.881	7.881	0.000	77	306160	12.5	13.2	
113 4,6-Dinitro-2-methylphenol	198	7.910	7.910	0.000	78	574183	25.0	27.4	
114 N-Nitrosodiphenylamine	169	7.975	7.975	0.000	64	954715	10.6	11.6	
115 1,2-Diphenylhydrazine	77	8.016	8.016	0.000	98	1953564	12.5	13.2	
$ 116 2,4,6-Tribromophenol	330	8.086	8.086	0.000	93	659622	25.0	26.9	
117 Sulfotepp	97	8.132	8.132	0.000	78	314270	12.5	13.0	
118 1,3,5-Trinitrobenzene	213	8.232	8.232	0.000	81	125568	12.5	14.2	
120 cis-Diallate	86	8.255	8.255	0.000	85	511224	9.25	8.94	
119 Phorate	75	8.261	8.261	0.000	94	1190056	12.5	13.3	
121 Phenacetin	108	8.278	8.278	0.000	89	732195	12.5	13.8	
122 4-Bromophenyl phenyl ether	248	8.331	8.331	0.000	66	455920	12.5	12.8	
123 trans-Diallate	86	8.337	8.337	0.000	92	176005	3.25	3.07	
124 Hexachlorobenzene	284	8.378	8.378	0.000	95	576114	12.5	12.9	
125 Dimethoate	87	8.424	8.424	0.000	96	661474	12.5	14.1	
126 Atrazine	200	8.494	8.494	0.000	89	397149	12.5	13.7	
127 Pentachlorophenol	266	8.570	8.570	0.000	93	752783	25.0	29.2	
129 4-Aminobiphenyl	169	8.576	8.576	0.000	90	1446144	12.5	13.7	
128 Pentachloronitrobenzene	237	8.582	8.582	0.000	86	258555	12.5	12.7	
130 Pronamide	173	8.640	8.640	0.000	89	638909	12.5	13.8	
* 131 Phenanthrene-d10	188	8.751	8.751	0.000	97	732664	5.00	5.00	
133 Dinoseb	211	8.751	8.751	0.000	81	357261	12.5	13.9	
134 Disulfoton	88	8.763	8.763	0.000	96	1007606	12.5	12.5	
132 Phenanthrene	178	8.775	8.775	0.000	98	2017462	12.5	13.4	
135 Anthracene	178	8.821	8.821	0.000	98	2112289	12.5	14.0	
136 Carbazole	167	8.979	8.979	0.000	96	1808477	12.5	14.0	
137 Methyl parathion	109	9.119	9.119	0.000	89	509069	12.5	14.1	
138 Di-n-butyl phthalate	149	9.324	9.324	0.000	100	2184493	12.5	13.9	
139 Ethyl Parathion	109	9.493	9.493	0.000	81	309747	12.5	14.1	
140 4-Nitroquinoline-1-oxide	190	9.516	9.516	0.000	86	168060	12.5	13.7	
S 68 Diallate	86				0		12.5	12.0	
142 Octachlorostyrene	308	9.726	9.726	0.000	89	232398	12.5	13.5	
143 Isodrin	193	9.761	9.761	0.000	93	265350	12.5	12.5	
144 Fluoranthene	202	9.907	9.907	0.000	98	2264190	12.5	13.4	
145 Benzidine	184	10.048	10.048	0.000	99	4246821	37.5	42.5	
* 146 Pyrene-d10 (IS)	212	10.106	10.106	0.000	99	750133	5.00	5.00	
147 Pyrene	202	10.123	10.123	0.000	97	2289160	12.5	12.7	
$ 148 p-Terphenyl-d14	244	10.287	10.287	0.000	100	3306512	25.0	27.1	
149 p-Dimethylamino azobenzene	225	10.427	10.427	0.000	91	329291	12.5	14.0	
150 Chlorobenzilate	139	10.480	10.480	0.000	89	639448	12.5	14.1	
151 Famphur	218	10.480	10.480	0.000	49	5560	12.5	13.9	
152 3,3'-Dimethylbenzidine	212	10.783	10.783	0.000	99	1142819	12.5	14.8	
153 Butyl benzyl phthalate	149	10.807	10.807	0.000	95	921455	12.5	14.1	
155 2-Acetylaminofluorene	181	11.058	11.058	0.000	93	678236	12.5	13.1	
S 94 Isosafrole	162				0		12.5	13.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
157 3,3'-Dichlorobenzidine	252	11.396	11.396	0.000	76	901737	12.5	14.3	
158 4,4'-Methylene bis(2-chloroanil	231	11.402	11.402	0.000	95	391874	12.5	13.3	
156 Benzo[a]anthracene	228	11.408	11.408	0.000	98	2134192	12.5	13.6	
159 Chrysene	228	11.455	11.455	0.000	97	2022155	12.5	13.6	
160 Bis(2-ethylhexyl) phthalate	149	11.496	11.496	0.000	96	1309876	12.5	14.1	
S 103 Aramite, Total	185		11.583				12.5	ND	
161 6-Methylchrysene	242	12.027	12.027	0.000	98	1363666	12.5	13.8	
162 Di-n-octyl phthalate	149	12.366	12.366	0.000	99	2093318	12.5	13.2	
163 7,12-Dimethylbenz(a)anthracene	256	12.827	12.827	0.000	76	814448	12.5	13.0	
164 Benzo[b]fluoranthene	252	12.827	12.827	0.000	96	2154407	12.5	13.2	
165 Benzo[k]fluoranthene	252	12.868	12.868	0.000	98	2129759	12.5	12.7	
166 Benzo[a]pyrene	252	13.294	13.294	0.000	76	2039379	12.5	13.2	
* 167 Perylene-d12	264	13.370	13.370	0.000	99	678187	5.00	5.00	
168 3-Methylcholanthrene	268	13.814	13.814	0.000	90	919437	12.5	12.5	
169 Dibenz[a,h]acridine	279	14.602	14.602	0.000	90	1531900	12.5	12.9	
170 Dibenz[a,j]acridine	279	14.672	14.672	0.000	96	1809538	12.5	13.6	
171 Indeno[1,2,3-cd]pyrene	276	14.906	14.906	0.000	98	2050310	12.5	13.2	
172 Dibenz(a,h)anthracene	278	14.947	14.947	0.000	91	1976924	12.5	13.4	
173 Benzo[g,h,i]perylene	276	15.279	15.279	0.000	98	2085121	12.5	13.2	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_6_00064 Amount Added: 1.00 Units: mL

Report Date: 14-Apr-2025 19:08:11 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1401a.D

Injection Date: 14-Apr-2025 11:33:30 Instrument ID: HP23264 Operator ID: CJS101602

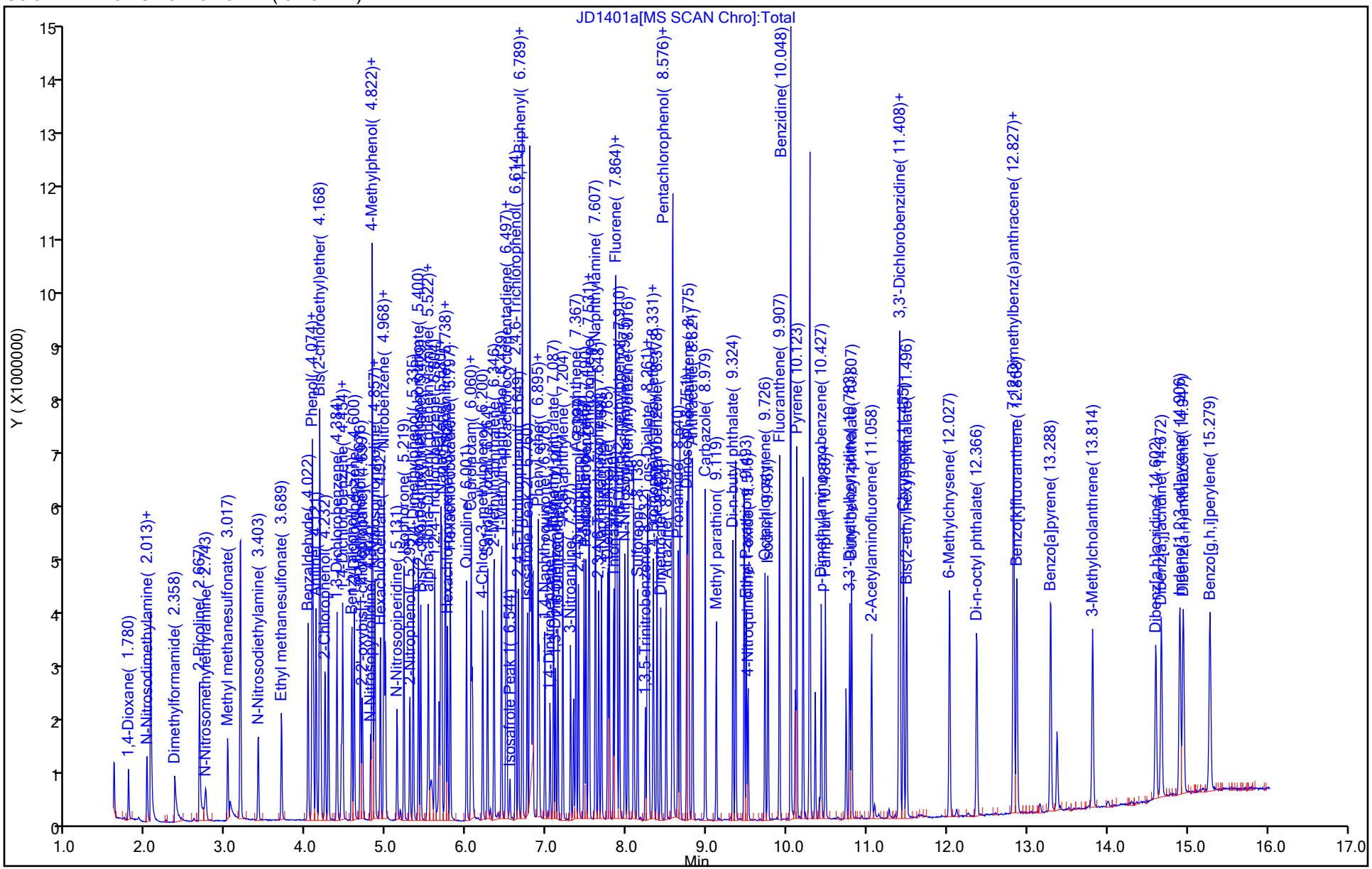
Lims ID: ICIS L6 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1403.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 14-Apr-2025 12:03:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8
Misc. Info.: 410-0143944-003
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 19:09:04 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: N5QU Date: 14-Apr-2025 15:20:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.780	1.780	0.000	94	687791	30.0	30.3	
2 N-Nitrosodimethylamine	74	2.007	2.013	-0.006	91	1269392	30.0	29.3	
3 Pyridine	79	2.054	2.054	0.000	97	4040303	60.0	59.1	
4 Dimethylformamide	73	2.346	2.358	-0.012	93	1529108	30.0	29.4	
5 2-Picoline	93	2.661	2.667	-0.006	90	2029505	30.0	30.7	
6 N-Nitrosomethylethylamine	88	2.743	2.743	0.000	94	821984	30.0	27.7	
7 Methyl methanesulfonate	80	3.017	3.017	0.000	86	1245411	30.0	28.8	
$ 9 2-Fluorophenol	112	3.181	3.181	0.000	94	3328234	60.0	62.8	
11 N-Nitrosodiethylamine	102	3.403	3.403	0.000	94	764477	30.0	28.9	
12 Ethyl methanesulfonate	109	3.695	3.689	0.006	95	844324	30.0	29.5	
13 Benzaldehyde	77	4.022	4.022	0.000	91	801770	30.0	12.5	
$ 15 Phenol-d5	99	4.080	4.074	0.006	94	4878200	60.0	65.1	
16 Phenol	94	4.092	4.086	0.006	93	2325765	30.0	31.9	
17 Aniline	93	4.121	4.121	0.000	95	3041844	30.0	30.3	
18 Bis(2-chloroethyl)ether	93	4.179	4.179	0.000	93	1887460	30.0	30.2	
19 2-Chlorophenol	128	4.238	4.238	0.000	90	1456185	30.0	30.0	
21 1,3-Dichlorobenzene	146	4.384	4.384	0.000	93	1674761	30.0	29.8	
* 22 1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	89	186751	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.454	4.454	0.000	88	1732301	30.0	28.8	
26 Benzyl alcohol	108	4.571	4.571	0.000	86	1138071	30.0	31.4	
27 1,2-Dichlorobenzene	146	4.600	4.600	0.000	93	1649891	30.0	29.6	
29 2-Methylphenol	108	4.676	4.676	0.000	96	1575037	30.0	32.1	
30 2,2'-oxybis[1-chloropropane]	45	4.699	4.699	0.000	91	2296358	30.0	30.2	
31 N-Nitrosopyrrolidine	100	4.810	4.804	0.006	93	897691	30.0	29.7	
34 4-Methylphenol	108	4.828	4.822	0.006	61	1606670	30.0	29.1	
32 Acetophenone	105	4.828	4.822	0.006	80	2781186	30.0	30.2	
33 N-Nitrosodi-n-propylamine	70	4.828	4.827	0.001	75	1685072	30.0	29.6	
35 N-Nitrosomorpholine	56	4.845	4.845	0.000	84	1144010	30.0	28.6	
36 2-Toluidine	106	4.857	4.857	0.000	93	2618936	30.0	29.8	
37 Hexachloroethane	117	4.927	4.927	0.000	91	797286	30.0	29.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.974	4.968	0.006	87	5020163	60.0	61.4	
40 Nitrobenzene	77	4.991	4.985	0.006	84	2422566	30.0	30.2	
41 N-Nitrosopiperidine	114	5.137	5.131	0.006	81	755251	30.0	29.7	
42 Isophorone	82	5.219	5.219	0.000	95	4242595	30.0	31.2	
43 2-Nitrophenol	139	5.295	5.295	0.000	87	778903	30.0	32.1	
44 2,4-Dimethylphenol	107	5.336	5.335	0.001	97	1887509	30.0	33.1	
46 o,o',o''-Triethylphosphorothioat	198	5.406	5.400	0.006	90	799395	30.0	30.6	
47 Bis(2-chloroethoxy)methane	93	5.429	5.429	0.000	96	2428310	30.0	30.0	
54 alpha,alpha-Dimethyl phenethylam	58	5.511	5.511	0.000	98	433509	30.0	6.54	
49 2,4-Dichlorophenol	162	5.522	5.522	0.000	96	1319165	30.0	31.8	
50 1,2,4-Trichlorobenzene	180	5.604	5.604	0.000	93	1628696	30.0	31.4	
* 52 Naphthalene-d8	136	5.657	5.657	0.000	99	656255	5.00	5.00	
53 Naphthalene	128	5.680	5.680	0.000	98	4213296	30.0	30.2	
55 Alpha-Terpineol	59	5.692	5.692	0.000	92	1577639	30.0	30.8	
56 4-Chloroaniline	127	5.733	5.733	0.000	89	1851125	30.0	31.9	
57 2,6-Dichlorophenol	162	5.744	5.738	0.006	92	1301151	30.0	31.5	
58 Hexachloropropene	213	5.762	5.762	0.000	98	1284923	30.0	31.6	
59 Hexachlorobutadiene	225	5.797	5.797	0.000	93	1173667	30.0	29.4	
61 Quinoline	129	6.001	6.001	0.000	93	2697452	30.0	29.7	
62 Caprolactam	113	6.071	6.060	0.011	74	376690	30.0	31.6	
63 N-Nitrosodi-n-butylamine	84	6.060	6.060	0.000	88	1749203	30.0	30.1	
64 p-Phenylene diamine	108	6.077	6.071	0.006	91	1668413	30.0	32.1	
65 4-Chloro-3-methylphenol	107	6.206	6.200	0.006	91	1594087	30.0	31.0	
66 Safrole, Total	162	6.264	6.264	0.000	88	1096654	30.0	30.2	
67 2-Methylnaphthalene	142	6.346	6.346	0.000	91	2497545	30.0	29.5	
69 1-Methylnaphthalene	142	6.439	6.439	0.000	93	2694889	30.0	30.1	
71 Hexachlorocyclopentadiene	237	6.492	6.492	0.000	94	1514618	30.0	31.8	
70 1,2,4,5-Tetrachlorobenzene	216	6.503	6.503	0.000	97	1811638	30.0	30.2	
S 24 Dinitrotoluene	165				0		60.0	64.0	
72 Isosafrole Peak 1	162	6.544	6.544	0.000	81	183788	4.80	4.86	
79 2,4,6-Trichlorophenol	196	6.614	6.614	0.000	86	1073215	30.0	32.5	
80 2,4,5-Trichlorophenol	196	6.649	6.649	0.000	92	1221052	30.0	31.7	
$ 81 2-Fluorobiphenyl (Surr)	172	6.696	6.696	0.000	99	6935633	60.0	60.4	e
82 Isosafrole Peak 2	162	6.760	6.760	0.000	85	1065594	25.2	25.3	
83 1,1'-Biphenyl	154	6.789	6.789	0.000	96	3438401	30.0	29.5	
84 2-Chloronaphthalene	162	6.807	6.807	0.000	96	2673950	30.0	29.5	
85 1-Chloronaphthalene	162	6.830	6.830	0.000	97	2596577	30.0	29.3	
86 Phenyl ether	170	6.895	6.895	0.001	85	2023970	30.0	30.4	
87 2-Nitroaniline	138	6.912	6.906	0.006	74	874906	30.0	32.7	
88 1,4-Naphthoquinone	158	6.982	6.982	0.000	76	1079786	30.0	28.5	
89 1,4-Dinitrobenzene	168	7.046	7.046	0.000	83	424809	30.0	31.8	
90 Dimethyl phthalate	163	7.087	7.087	0.000	96	3275767	30.0	30.0	
91 1,3-Dinitrobenzene	168	7.111	7.111	0.000	81	489005	30.0	31.2	
92 2,6-Dinitrotoluene	165	7.146	7.140	0.006	88	762381	30.0	31.9	
93 Acenaphthylene	152	7.204	7.204	0.000	99	4300874	30.0	31.0	
95 3-Nitroaniline	138	7.303	7.297	0.006	86	763500	30.0	31.8	
* 96 Acenaphthene-d10	164	7.338	7.338	0.000	94	398684	5.00	5.00	
97 Acenaphthene	153	7.368	7.367	0.001	97	2897748	30.0	30.2	
98 2,4-Dinitrophenol	184	7.403	7.402	0.001	81	1023456	60.0	68.4	
100 4-Nitrophenol	109	7.473	7.467	0.006	93	1376467	60.0	68.5	
99 Pentachlorobenzene	250	7.490	7.490	0.000	98	1513338	30.0	28.7	
102 2,4-Dinitrotoluene	165	7.525	7.525	0.000	86	1043423	30.0	32.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.531	7.531	0.000	98	4116522	30.0	30.2	
104 1-Naphthylamine	143	7.613	7.607	0.006	97	2644179	30.0	30.1	
105 2,3,4,6-Tetrachlorophenol	232	7.654	7.648	0.006	71	1089978	30.0	31.1	
106 2-Naphthylamine	143	7.689	7.683	0.006	94	2663876	30.0	31.4	
107 Diethyl phthalate	149	7.765	7.765	0.000	96	3422482	30.0	30.5	
109 Thionazin	107	7.841	7.840	0.000	74	561517	30.0	29.3	
108 Fluorene	166	7.858	7.858	0.000	91	3158325	30.0	29.7	
110 4-Chlorophenyl phenyl ether	204	7.864	7.864	0.000	92	1639219	30.0	29.7	
111 N-Nitro-o-toluidine	152	7.876	7.875	0.001	85	770968	30.0	28.4	
112 4-Nitroaniline	138	7.887	7.881	0.006	75	705275	30.0	30.5	
113 4,6-Dinitro-2-methylphenol	198	7.911	7.910	0.001	78	1383069	60.0	61.9	
114 N-Nitrosodiphenylamine	169	7.981	7.975	0.006	64	2213892	25.5	25.3	
115 1,2-Diphenylhydrazine	77	8.016	8.016	0.000	97	4604074	30.0	29.2	
$ 116 2,4,6-Tribromophenol	330	8.092	8.086	0.006	94	1545978	60.0	63.1	
117 Sulfotepp	97	8.132	8.132	0.000	79	774212	30.0	30.0	
118 1,3,5-Trinitrobenzene	213	8.238	8.232	0.006	80	321854	30.0	34.2	
120 cis-Diallate	86	8.255	8.255	0.000	87	1169394	22.2	19.2	
119 Phorate	75	8.261	8.261	0.000	94	2775252	30.0	29.1	
121 Phenacetin	108	8.278	8.278	0.000	90	1807409	30.0	32.1	
122 4-Bromophenyl phenyl ether	248	8.331	8.331	0.000	65	1095291	30.0	28.8	
123 trans-Diallate	86	8.337	8.337	0.000	92	422766	7.80	6.93	
124 Hexachlorobenzene	284	8.378	8.378	0.000	96	1343797	30.0	28.3	
125 Dimethoate	87	8.424	8.424	0.000	95	1539235	30.0	30.8	
126 Atrazine	200	8.494	8.494	0.000	89	889846	30.0	28.9	
127 Pentachlorophenol	266	8.570	8.570	0.000	93	1753031	60.0	63.9	
129 4-Aminobiphenyl	169	8.576	8.576	0.000	90	3345882	30.0	29.8	
128 Pentachloronitrobenzene	237	8.582	8.582	0.000	86	624029	30.0	28.7	
130 Pronamide	173	8.640	8.640	0.000	90	1493553	30.0	30.2	
* 131 Phenanthrene-d10	188	8.751	8.751	0.000	87	780302	5.00	5.00	
133 Dinoseb	211	8.751	8.751	0.000	94	881837	30.0	32.3	
134 Disulfoton	88	8.763	8.763	0.000	97	2328679	30.0	27.2	
132 Phenanthrene	178	8.775	8.775	0.000	97	4636777	30.0	28.9	
135 Anthracene	178	8.821	8.821	0.000	98	4825978	30.0	30.0	
136 Carbazole	167	8.979	8.979	0.000	96	4368558	30.0	31.7	
137 Methyl parathion	109	9.119	9.119	0.000	90	1238041	30.0	32.2	
138 Di-n-butyl phthalate	149	9.324	9.324	0.000	100	5297093	30.0	31.6	
139 Ethyl Parathion	109	9.493	9.493	0.000	82	753403	30.0	32.1	
140 4-Nitroquinoline-1-oxide	190	9.516	9.516	0.000	90	424159	30.0	32.4	
S 68 Diallate	86				0		30.0	26.1	
142 Octachlorostyrene	308	9.727	9.726	0.001	89	564235	30.0	30.8	
143 Isodrin	193	9.762	9.761	0.001	93	607021	30.0	26.8	
144 Fluoranthene	202	9.908	9.907	0.001	97	5263887	30.0	29.2	
145 Benzidine	184	10.048	10.048	0.000	98	8535888	90.0	83.4	e
* 146 Pyrene-d10 (IS)	212	10.106	10.106	0.000	98	768419	5.00	5.00	
147 Pyrene	202	10.124	10.123	0.001	98	5509538	30.0	29.9	
$ 148 p-Terphenyl-d14	244	10.287	10.287	0.000	100	7115191	60.0	57.0	e
149 p-Dimethylamino azobenzene	225	10.427	10.427	0.000	92	814007	30.0	33.9	
150 Chlorobenzilate	139	10.480	10.480	0.000	89	1549907	30.0	33.4	
151 Famphur	218	10.480	10.480	0.000	51	12264	30.0	29.9	
152 3,3'-Dimethylbenzidine	212	10.783	10.783	0.000	99	2328894	30.0	29.5	
153 Butyl benzyl phthalate	149	10.807	10.807	0.000	95	2173193	30.0	32.5	
155 2-Acetylaminofluorene	181	11.058	11.058	0.000	92	1723363	30.0	32.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		30.0	30.1	
157 3,3'-Dichlorobenzidine	252	11.396	11.396	0.000	78	2093210	30.0	32.5	
158 4,4'-Methylene bis(2-chloroanil	231	11.408	11.402	0.006	91	944210	30.0	31.4	
156 Benzo[a]anthracene	228	11.408	11.408	0.000	98	5084390	30.0	31.6	
159 Chrysene	228	11.455	11.455	0.000	97	4642652	30.0	30.6	
160 Bis(2-ethylhexyl) phthalate	149	11.490	11.496	-0.006	96	3168952	30.0	33.3	
S 103 Aramite, Total	185		11.583				30.0	ND	
161 6-Methylchrysene	242	12.027	12.027	0.000	99	3232131	30.0	31.9	
162 Di-n-octyl phthalate	149	12.366	12.366	0.000	99	5303186	30.0	32.9	
163 7,12-Dimethylbenz(a)anthracene	256	12.833	12.827	0.006	72	1998518	30.0	31.2	
164 Benzo[b]fluoranthene	252	12.833	12.827	0.006	96	5095994	30.0	30.7	
165 Benzo[k]fluoranthene	252	12.874	12.868	0.006	98	5097724	30.0	29.8	
166 Benzo[a]pyrene	252	13.294	13.294	0.000	76	4914991	30.0	31.2	
* 167 Perylene-d12	264	13.370	13.370	0.000	99	691298	5.00	5.00	
168 3-Methylcholanthrene	268	13.814	13.814	0.000	90	2360812	30.0	31.4	
169 Dibenz[a,h]acridine	279	14.608	14.602	0.006	90	3846187	30.0	31.7	
170 Dibenz[a,j]acridine	279	14.678	14.672	0.006	96	4376021	30.0	32.2	
171 Indeno[1,2,3-cd]pyrene	276	14.912	14.906	0.006	98	5188978	30.0	32.8	
172 Dibenz(a,h)anthracene	278	14.952	14.947	0.005	92	4875116	30.0	32.4	
173 Benzo[g,h,i]perylene	276	15.285	15.279	0.006	98	5023656	30.0	31.1	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Reagents:

MSS_RV8270_8_00042 Amount Added: 1.00 Units: mL

Report Date: 14-Apr-2025 19:09:09 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1403.D

Injection Date: 14-Apr-2025 12:03:30 Instrument ID: HP23264 Operator ID: CJS101602

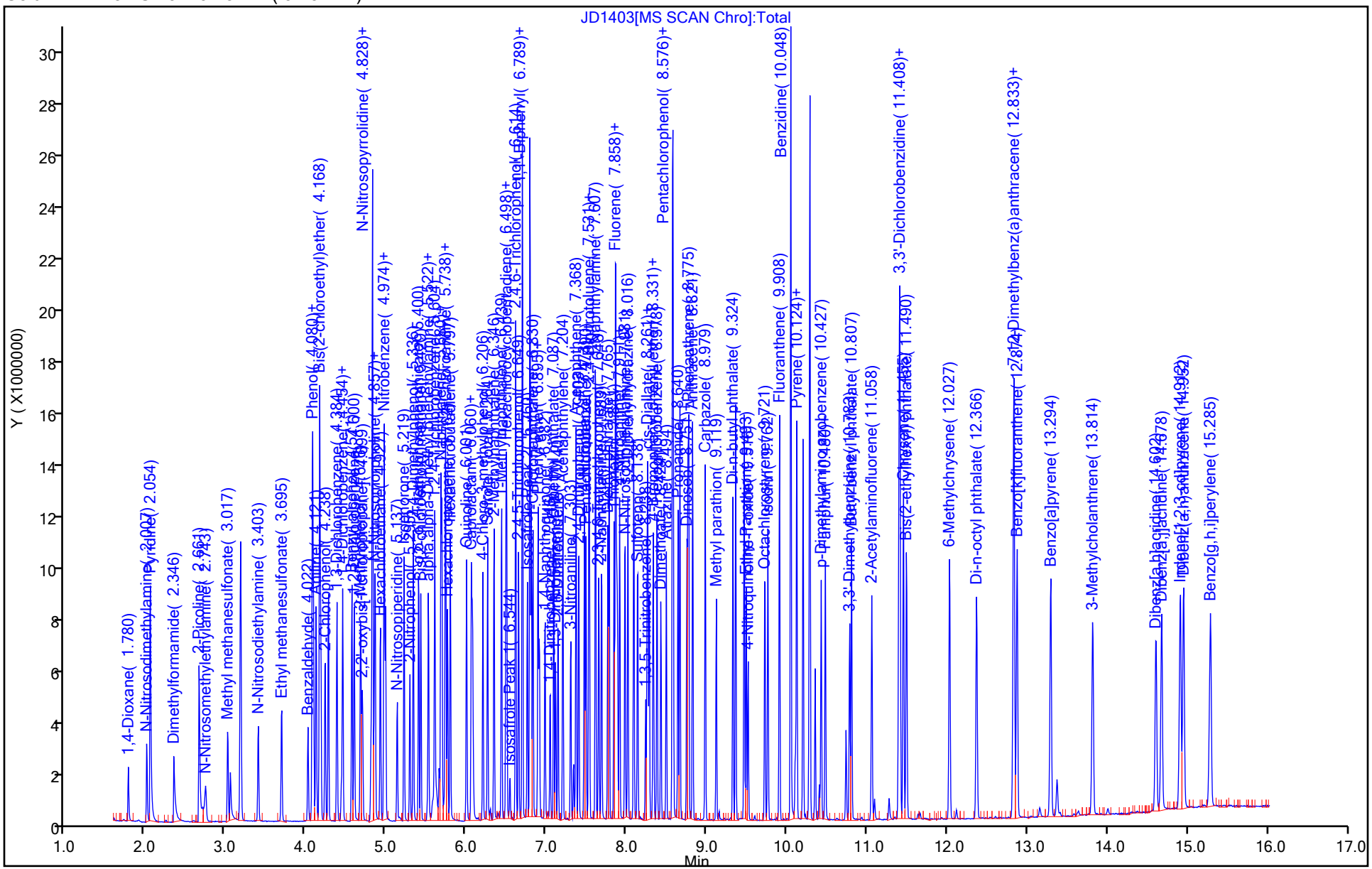
Lims ID: IC L8 Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1404.D
Lims ID: IC L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 14-Apr-2025 12:24:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7
Misc. Info.: 410-0143944-004
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 19:10:01 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: N5QU Date: 14-Apr-2025 15:21:21

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.779	1.780	-0.001	93	477100	20.0	21.0	
	2 N-Nitrosodimethylamine	74	2.007	2.013	-0.006	91	860062	20.0	20.1	
	3 Pyridine	79	2.054	2.054	0.000	97	2756033	40.0	40.7	
	4 Dimethylformamide	73	2.352	2.358	-0.006	92	1073982	20.0	20.8	
	5 2-Picoline	93	2.661	2.667	-0.006	90	1333504	20.0	20.4	
	6 N-Nitrosomethylethylamine	88	2.743	2.743	0.000	93	550425	20.0	18.7	
	7 Methyl methanesulfonate	80	3.017	3.017	0.000	86	840070	20.0	19.6	
$	9 2-Fluorophenol	112	3.175	3.181	-0.006	94	2240723	40.0	42.7	
	11 N-Nitrosodiethylamine	102	3.397	3.403	-0.006	95	501507	20.0	19.2	
	12 Ethyl methanesulfonate	109	3.689	3.689	0.000	94	568223	20.0	20.1	
	13 Benzaldehyde	77	4.016	4.022	-0.006	92	1034292	20.0	16.3	
$	15 Phenol-d5	99	4.074	4.074	0.000	94	3330173	40.0	44.9	
	16 Phenol	94	4.086	4.086	0.000	93	1593632	20.0	22.1	
	17 Aniline	93	4.121	4.121	0.000	95	2065540	20.0	20.8	
	18 Bis(2-chloroethyl)ether	93	4.179	4.179	0.000	93	1265719	20.0	20.5	
	19 2-Chlorophenol	128	4.232	4.238	-0.006	90	1005634	20.0	20.9	
	21 1,3-Dichlorobenzene	146	4.378	4.384	-0.006	93	1111379	20.0	20.0	
*	22 1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	97	184873	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.454	4.454	0.000	88	1141144	20.0	19.2	
	26 Benzyl alcohol	108	4.565	4.571	-0.006	86	764975	20.0	21.3	
	27 1,2-Dichlorobenzene	146	4.594	4.600	-0.006	92	1092582	20.0	19.8	
	29 2-Methylphenol	108	4.676	4.676	0.000	96	1062181	20.0	21.8	
	30 2,2'-oxybis[1-chloropropane]	45	4.693	4.699	-0.006	91	1524674	20.0	20.3	
	31 N-Nitrosopyrrolidine	100	4.804	4.804	0.000	92	599737	20.0	20.0	
	34 4-Methylphenol	108	4.822	4.822	0.000	63	1066920	20.0	19.5	
	32 Acetophenone	105	4.822	4.822	0.000	79	1872994	20.0	20.6	
	33 N-Nitrosodi-n-propylamine	70	4.822	4.827	-0.005	78	1139430	20.0	20.2	
	35 N-Nitrosomorpholine	56	4.845	4.845	0.000	88	731196	20.0	18.5	
	36 2-Toluidine	106	4.857	4.857	0.000	93	1774705	20.0	20.4	
	37 Hexachloroethane	117	4.921	4.927	-0.006	92	534205	20.0	19.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.968	4.968	0.000	87	3424331	40.0	40.9	
40 Nitrobenzene	77	4.985	4.985	0.000	84	1597938	20.0	19.4	
41 N-Nitrosopiperidine	114	5.131	5.131	0.000	80	511093	20.0	19.6	
42 Isophorone	82	5.219	5.219	0.000	96	2897429	20.0	20.8	
43 2-Nitrophenol	139	5.289	5.295	-0.006	85	501485	20.0	20.2	
44 2,4-Dimethylphenol	107	5.335	5.335	0.000	97	1256992	20.0	21.5	
46 o,o',o''-Triethylphosphorothioat	198	5.400	5.400	0.000	88	553648	20.0	20.7	
47 Bis(2-chloroethoxy)methane	93	5.429	5.429	0.000	97	1672568	20.0	20.2	
54 alpha,alpha-Dimethyl phenethylam	58	5.505	5.511	-0.006	97	303120	20.0	4.46	
49 2,4-Dichlorophenol	162	5.522	5.522	0.000	96	907720	20.0	21.4	
50 1,2,4-Trichlorobenzene	180	5.604	5.604	0.000	93	1088141	20.0	20.5	
* 52 Naphthalene-d8	136	5.657	5.657	0.000	99	672526	5.00	5.00	
53 Naphthalene	128	5.674	5.680	-0.006	98	2891332	20.0	20.2	
55 Alpha-Terpineol	59	5.686	5.692	-0.006	92	1116462	20.0	21.3	
56 4-Chloroaniline	127	5.732	5.733	-0.001	92	1237809	20.0	20.8	
57 2,6-Dichlorophenol	162	5.738	5.738	0.000	91	865730	20.0	20.4	
58 Hexachloropropene	213	5.762	5.762	0.000	98	865784	20.0	20.7	
59 Hexachlorobutadiene	225	5.797	5.797	0.000	93	800259	20.0	19.6	
61 Quinoline	129	5.995	6.001	-0.006	93	1774063	20.0	19.0	
62 Caprolactam	113	6.059	6.060	-0.001	71	247209	20.0	20.3	
63 N-Nitrosodi-n-butylamine	84	6.059	6.060	-0.001	86	1165035	20.0	19.6	
64 p-Phenylene diamine	108	6.071	6.071	0.000	92	1105356	20.0	20.8	
65 4-Chloro-3-methylphenol	107	6.200	6.200	0.000	90	1047904	20.0	19.9	
66 Safrole, Total	162	6.258	6.264	-0.006	79	709573	20.0	19.1	
67 2-Methylnaphthalene	142	6.340	6.346	-0.006	91	1711189	20.0	19.7	
69 1-Methylnaphthalene	142	6.433	6.439	-0.006	92	1812171	20.0	19.8	
71 Hexachlorocyclopentadiene	237	6.492	6.492	0.000	92	1046379	20.0	21.3	
70 1,2,4,5-Tetrachlorobenzene	216	6.497	6.503	-0.006	96	1227982	20.0	19.8	
S 24 Dinitrotoluene	165				0		40.0	40.8	
72 Isosafrole Peak 1	162	6.538	6.544	-0.006	83	130807	3.20	3.34	
79 2,4,6-Trichlorophenol	196	6.614	6.614	0.000	85	727226	20.0	21.3	
80 2,4,5-Trichlorophenol	196	6.649	6.649	0.000	92	790749	20.0	19.9	
$ 81 2-Fluorobiphenyl (Surr)	172	6.696	6.696	0.000	100	4764526	40.0	40.1	
82 Isosafrole Peak 2	162	6.754	6.760	-0.006	85	733761	16.8	16.8	
83 1,1'-Biphenyl	154	6.789	6.789	0.000	94	2341294	20.0	19.4	
84 2-Chloronaphthalene	162	6.807	6.807	0.000	95	1981488	20.0	21.2	M
85 1-Chloronaphthalene	162	6.824	6.830	-0.006	98	1592148	20.0	17.4	Ma
86 Phenyl ether	170	6.889	6.895	-0.005	84	1340788	20.0	19.5	
87 2-Nitroaniline	138	6.906	6.906	0.000	73	582179	20.0	21.1	
88 1,4-Naphthoquinone	158	6.976	6.982	-0.006	79	732862	20.0	18.7	
89 1,4-Dinitrobenzene	168	7.040	7.046	-0.006	82	296621	20.0	21.5	
90 Dimethyl phthalate	163	7.087	7.087	0.000	96	2246531	20.0	19.9	
91 1,3-Dinitrobenzene	168	7.110	7.111	-0.001	83	330773	20.0	20.5	
92 2,6-Dinitrotoluene	165	7.140	7.140	0.000	86	500117	20.0	20.3	
93 Acenaphthylene	152	7.198	7.204	-0.006	99	2882970	20.0	20.1	
95 3-Nitroaniline	138	7.297	7.297	0.000	87	519299	20.0	20.9	
* 96 Acenaphthene-d10	164	7.332	7.338	-0.006	94	411928	5.00	5.00	
97 Acenaphthene	153	7.362	7.367	-0.005	97	1984223	20.0	20.0	
98 2,4-Dinitrophenol	184	7.397	7.402	-0.005	80	666118	40.0	43.1	
100 4-Nitrophenol	109	7.467	7.467	0.000	81	896540	40.0	43.2	
99 Pentachlorobenzene	250	7.490	7.490	0.000	97	1036256	20.0	19.0	
102 2,4-Dinitrotoluene	165	7.525	7.525	0.000	84	688275	20.0	20.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.531	7.531	0.000	96	2749225	20.0	19.5	
104 1-Naphthylamine	143	7.607	7.607	0.000	96	1732163	20.0	19.1	
105 2,3,4,6-Tetrachlorophenol	232	7.648	7.648	0.000	72	718016	20.0	19.8	
106 2-Naphthylamine	143	7.683	7.683	0.000	94	1778204	20.0	20.3	
107 Diethyl phthalate	149	7.759	7.765	-0.006	96	2289999	20.0	19.8	
109 Thionazin	107	7.835	7.840	-0.005	75	384949	20.0	19.5	
108 Fluorene	166	7.858	7.858	0.000	91	2132204	20.0	19.4	
110 4-Chlorophenyl phenyl ether	204	7.864	7.864	0.000	91	1108444	20.0	19.4	
111 N-Nitro-o-toluidine	152	7.870	7.875	-0.005	86	516297	20.0	18.4	
112 4-Nitroaniline	138	7.881	7.881	0.000	75	474566	20.0	19.8	
113 4,6-Dinitro-2-methylphenol	198	7.905	7.910	-0.005	79	929308	40.0	43.2	
114 N-Nitrosodiphenylamine	169	7.975	7.975	0.000	65	1455120	17.0	17.3	
115 1,2-Diphenylhydrazine	77	8.010	8.016	-0.006	97	3125247	20.0	20.6	
$ 116 2,4,6-Tribromophenol	330	8.086	8.086	0.000	93	1048819	40.0	41.5	
117 Sulfotepp	97	8.132	8.132	0.000	78	514837	20.0	20.7	
118 1,3,5-Trinitrobenzene	213	8.232	8.232	0.000	80	205220	20.0	22.6	
120 cis-Diallate	86	8.249	8.255	-0.006	86	799345	14.8	13.6	
119 Phorate	75	8.261	8.261	0.000	94	1911161	20.0	20.8	
121 Phenacetin	108	8.272	8.278	-0.006	89	1183542	20.0	21.8	
122 4-Bromophenyl phenyl ether	248	8.325	8.331	-0.006	65	740277	20.0	20.3	
123 trans-Diallate	86	8.337	8.337	0.000	91	271976	5.20	4.63	
124 Hexachlorobenzene	284	8.378	8.378	0.000	96	921277	20.0	20.1	
125 Dimethoate	87	8.418	8.424	-0.006	96	1049653	20.0	21.8	
126 Atrazine	200	8.488	8.494	-0.006	90	639898	20.0	21.6	
127 Pentachlorophenol	266	8.570	8.570	0.000	93	1208678	40.0	45.8	
129 4-Aminobiphenyl	169	8.576	8.576	0.000	91	2283944	20.0	21.1	
128 Pentachloronitrobenzene	237	8.576	8.582	-0.006	78	412693	20.0	19.7	
130 Pronamide	173	8.634	8.640	-0.006	89	994858	20.0	20.9	
* 131 Phenanthrene-d10	188	8.745	8.751	-0.006	95	750917	5.00	5.00	
133 Dinoseb	211	8.745	8.751	-0.006	91	578327	20.0	22.0	
134 Disulfoton	88	8.757	8.763	-0.006	95	1571333	20.0	19.1	
132 Phenanthrene	178	8.769	8.775	-0.006	97	3142559	20.0	20.3	
135 Anthracene	178	8.821	8.821	0.000	98	3269364	20.0	21.2	
136 Carbazole	167	8.979	8.979	0.000	96	2887623	20.0	21.8	
137 Methyl parathion	109	9.113	9.119	-0.006	90	795842	20.0	21.5	
138 Di-n-butyl phthalate	149	9.323	9.324	-0.001	100	3511601	20.0	21.7	
139 Ethyl Parathion	109	9.487	9.493	-0.006	82	504877	20.0	22.4	
140 4-Nitroquinoline-1-oxide	190	9.510	9.516	-0.006	88	288345	20.0	22.9	
S 68 Diallate	86				0		20.0	18.3	
142 Octachlorostyrene	308	9.721	9.726	-0.005	90	373619	20.0	21.2	
143 Isodrin	193	9.761	9.761	0.000	93	406118	20.0	18.6	
144 Fluoranthene	202	9.902	9.907	-0.005	98	3556042	20.0	20.5	
145 Benzidine	184	10.042	10.048	-0.006	99	6623503	60.0	64.9	
* 146 Pyrene-d10 (IS)	212	10.100	10.106	-0.006	98	765515	5.00	5.00	
147 Pyrene	202	10.118	10.123	-0.005	97	3716520	20.0	20.3	
$ 148 p-Terphenyl-d14	244	10.281	10.287	-0.006	99	5075313	40.0	40.8	
149 p-Dimethylamino azobenzene	225	10.427	10.427	0.000	93	524365	20.0	21.9	
150 Chlorobenzilate	139	10.474	10.480	-0.006	89	1013952	20.0	21.9	
151 Famphur	218	10.421	10.480	-0.059	52	174	20.0	0.4264	
152 3,3'-Dimethylbenzidine	212	10.777	10.783	-0.006	99	1697947	20.0	21.6	
153 Butyl benzyl phthalate	149	10.801	10.807	-0.006	94	1447325	20.0	21.7	
155 2-Acetylaminofluorene	181	11.052	11.058	-0.006	91	1107489	20.0	21.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		20.0	20.2	
157 3,3'-Dichlorobenzidine	252	11.390	11.396	-0.006	77	1455551	20.0	22.7	
158 4,4'-Methylene bis(2-chloroanil	231	11.402	11.402	0.000	94	618806	20.0	20.6	
156 Benzo[a]anthracene	228	11.402	11.408	-0.006	98	3433977	20.0	21.4	
159 Chrysene	228	11.449	11.455	-0.006	97	3182249	20.0	21.0	
160 Bis(2-ethylhexyl) phthalate	149	11.490	11.496	-0.006	96	2101137	20.0	22.2	
S 103 Aramite, Total	185		11.583				20.0	ND	
161 6-Methylchrysene	242	12.027	12.027	0.000	99	2133865	20.0	21.2	
162 Di-n-octyl phthalate	149	12.360	12.366	-0.006	99	3452959	20.0	22.3	
163 7,12-Dimethylbenz(a)anthracene	256	12.821	12.827	-0.006	75	1348675	20.0	22.0	
164 Benzo[b]fluoranthene	252	12.821	12.827	-0.006	96	3458844	20.0	21.7	
165 Benzo[k]fluoranthene	252	12.862	12.868	-0.006	98	3384623	20.0	20.7	
166 Benzo[a]pyrene	252	13.282	13.294	-0.012	76	3238746	20.0	21.5	
* 167 Perylene-d12	264	13.364	13.370	-0.006	100	662390	5.00	5.00	
168 3-Methylcholanthrene	268	13.808	13.814	-0.006	89	1478763	20.0	20.5	
169 Dibenz[a,h]acridine	279	14.596	14.602	-0.006	90	2481661	20.0	21.4	
170 Dibenz[a,j]acridine	279	14.672	14.672	0.000	96	2875836	20.0	22.1	
171 Indeno[1,2,3-cd]pyrene	276	14.900	14.906	-0.006	99	3377310	20.0	22.3	
172 Dibenz(a,h)anthracene	278	14.941	14.947	-0.006	90	3330673	20.0	23.1	
173 Benzo[g,h,i]perylene	276	15.279	15.279	0.000	98	3328299	20.0	21.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_7_00043 Amount Added: 1.00 Units: mL

Report Date: 14-Apr-2025 19:10:06 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1404.D

Injection Date: 14-Apr-2025 12:24:30 Instrument ID: HP23264 Operator ID: CJS101602

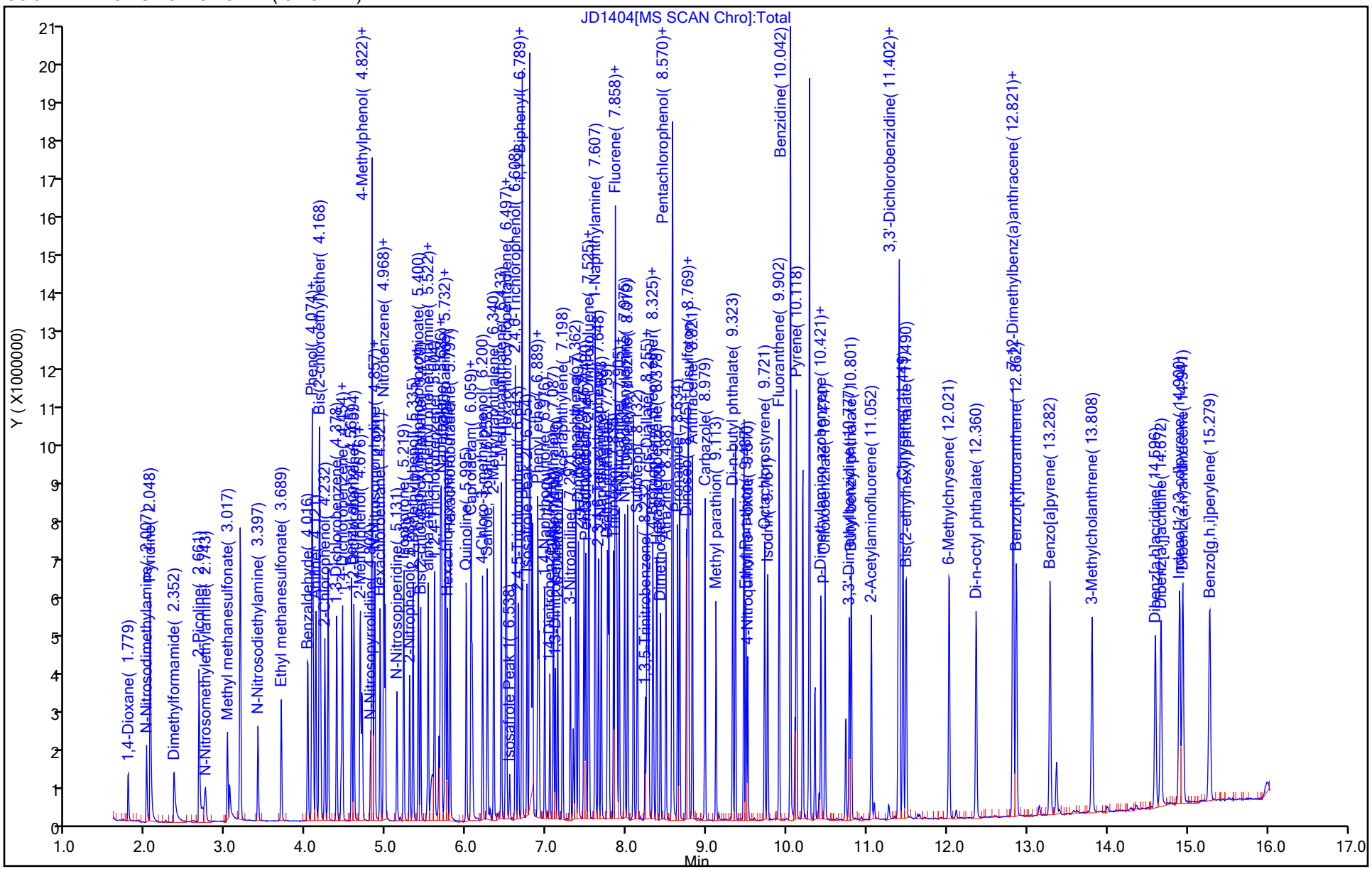
Lims ID: IC L7 Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

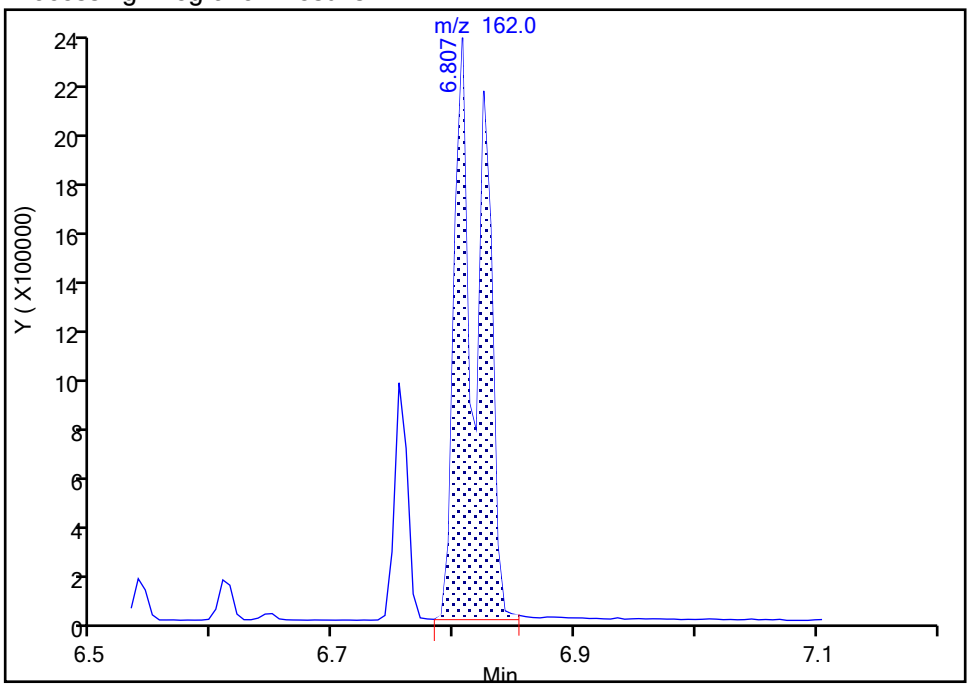
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1404.D				
Injection Date:	14-Apr-2025 12:24:30	Instrument ID:	HP23264		
Lims ID:	IC L7				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

84 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

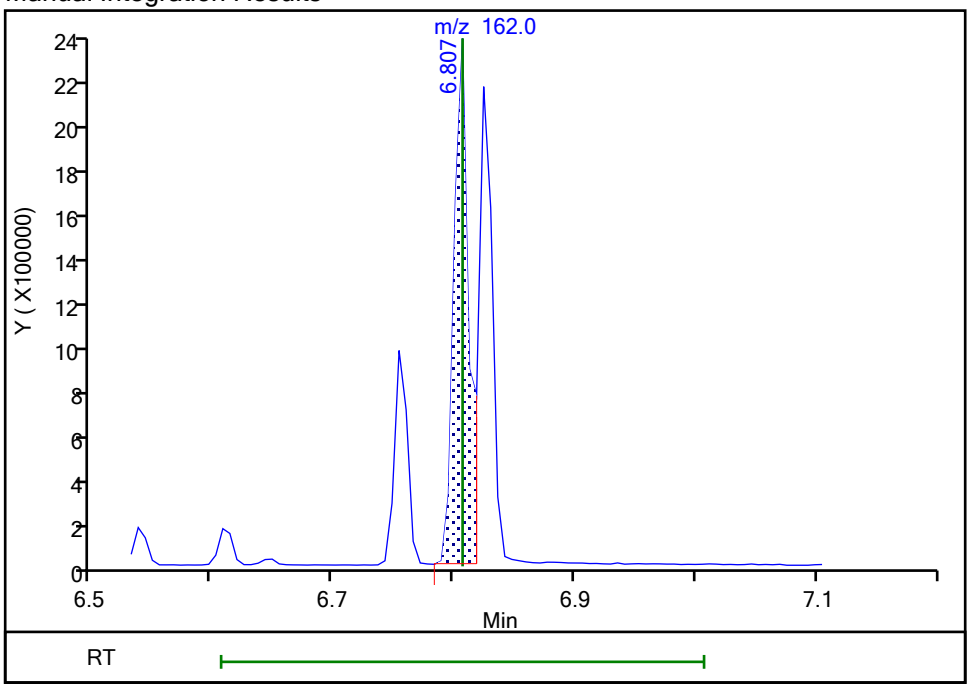
Processing Integration Results

RT: 6.81
Area: 3573638
Amount: 34.497159
Amount Units: ug/ml



Manual Integration Results

RT: 6.81
Area: 1981488
Amount: 21.160406
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:21:05 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

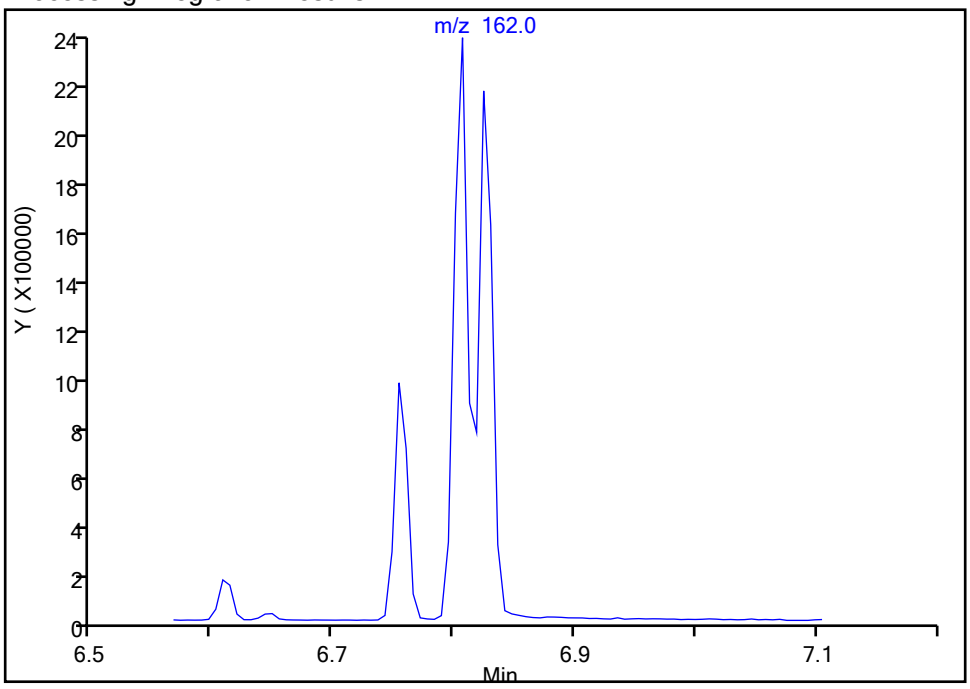
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1404.D				
Injection Date:	14-Apr-2025 12:24:30	Instrument ID:	HP23264		
Lims ID:	IC L7				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

85 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

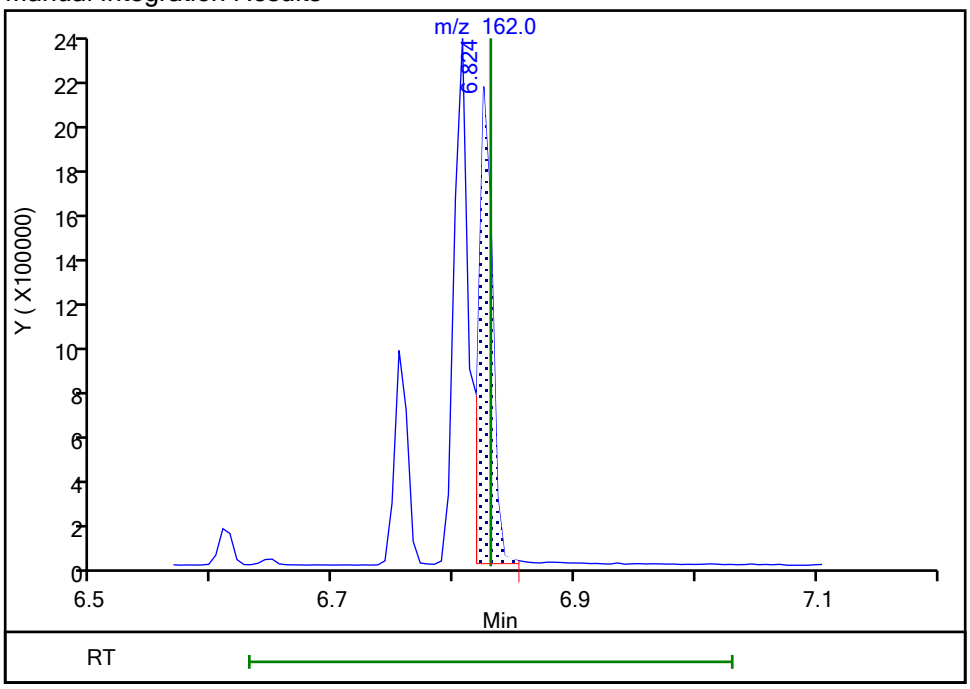
Not Detected
Expected RT: 6.83

Processing Integration Results



Manual Integration Results

RT: 6.82
Area: 1592148
Amount: 17.411487
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:21:13 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1405.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 14-Apr-2025 12:46:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5
Misc. Info.: 410-0143944-005
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 19:11:01 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: N5QU Date: 14-Apr-2025 15:25:05

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.779	1.779	0.000	93	179400	7.50	6.87	
	2 N-Nitrosodimethylamine	74	2.007	2.007	0.000	92	314287	7.50	6.86	
	3 Pyridine	79	2.054	2.054	0.000	97	1024078	15.0	14.2	
	4 Dimethylformamide	73	2.363	2.363	0.000	89	380966	7.50	6.92	
	5 2-Picoline	93	2.667	2.667	0.000	90	513520	7.50	7.35	
	6 N-Nitrosomethylethylamine	88	2.737	2.737	0.000	95	232526	7.50	7.40	
	7 Methyl methanesulfonate	80	3.017	3.017	0.000	86	317307	7.50	6.94	
$	9 2-Fluorophenol	112	3.169	3.169	0.000	93	868882	15.0	15.5	
	11 N-Nitrosodiethylamine	102	3.397	3.397	0.000	96	202720	7.50	7.24	
	12 Ethyl methanesulfonate	109	3.689	3.689	0.000	93	212230	7.50	7.02	
	13 Benzaldehyde	77	4.016	4.016	0.000	92	476262	7.50	7.04	
$	15 Phenol-d5	99	4.068	4.068	0.000	94	1258323	15.0	15.9	
	16 Phenol	94	4.080	4.080	0.000	94	605378	7.50	7.85	
	17 Aniline	93	4.115	4.115	0.000	95	796668	7.50	7.50	
	18 Bis(2-chloroethyl)ether	93	4.179	4.179	0.000	93	487316	7.50	7.37	
	19 2-Chlorophenol	128	4.232	4.232	0.000	91	377452	7.50	7.34	
	21 1,3-Dichlorobenzene	146	4.378	4.378	0.000	93	446321	7.50	7.51	
*	22 1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	95	197539	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.454	4.454	0.000	89	445846	7.50	7.01	
	26 Benzyl alcohol	108	4.565	4.565	0.000	86	287453	7.50	7.50	
	27 1,2-Dichlorobenzene	146	4.594	4.594	0.000	93	433350	7.50	7.36	
	29 2-Methylphenol	108	4.670	4.670	0.000	95	406572	7.50	7.82	
	30 2,2'-oxybis[1-chloropropane]	45	4.693	4.693	0.000	92	584855	7.50	7.28	
	31 N-Nitrosopyrrolidine	100	4.798	4.798	0.000	93	235966	7.50	7.37	
	34 4-Methylphenol	108	4.822	4.822	0.000	55	411732	7.50	7.06	
	32 Acetophenone	105	4.822	4.822	0.000	85	738940	7.50	7.60	
	33 N-Nitrosodi-n-propylamine	70	4.822	4.822	0.000	67	445032	7.50	7.39	
	35 N-Nitrosomorpholine	56	4.839	4.839	0.000	88	297026	7.50	7.02	
	36 2-Toluidine	106	4.851	4.851	0.000	93	660584	7.50	7.10	
	37 Hexachloroethane	117	4.921	4.921	0.000	92	205465	7.50	7.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.968	4.968	0.000	87	1308252	15.0	15.5	
40 Nitrobenzene	77	4.985	4.985	0.000	85	628139	7.50	7.57	
41 N-Nitrosopiperidine	114	5.131	5.131	0.000	82	204353	7.50	7.78	
42 Isophorone	82	5.213	5.213	0.000	96	1088680	7.50	7.74	
43 2-Nitrophenol	139	5.289	5.289	0.000	87	196606	7.50	7.84	
44 2,4-Dimethylphenol	107	5.330	5.330	0.000	96	480533	7.50	8.15	
46 o,o',o''-Triethylphosphorothioat	198	5.400	5.400	0.000	92	207305	7.50	7.67	
47 Bis(2-chloroethoxy)methane	93	5.423	5.423	0.000	97	650307	7.50	7.78	
54 alpha,alpha-Dimethyl phenethylam	58	5.505	5.505	0.000	89	158760	7.50	2.32	
49 2,4-Dichlorophenol	162	5.522	5.522	0.000	97	337895	7.50	7.88	
50 1,2,4-Trichlorobenzene	180	5.598	5.598	0.000	93	436483	7.50	8.14	
* 52 Naphthalene-d8	136	5.657	5.657	0.000	99	678599	5.00	5.00	
53 Naphthalene	128	5.674	5.674	0.000	98	1118282	7.50	7.76	
55 Alpha-Terpineol	59	5.686	5.686	0.000	92	423210	7.50	7.99	
56 4-Chloroaniline	127	5.727	5.727	0.000	92	483377	7.50	8.06	
57 2,6-Dichlorophenol	162	5.738	5.738	0.000	93	341745	7.50	8.00	
58 Hexachloropropene	213	5.762	5.762	0.000	98	336767	7.50	8.00	
59 Hexachlorobutadiene	225	5.797	5.797	0.000	93	306626	7.50	7.44	
61 Quinoline	129	5.995	5.995	0.000	93	689859	7.50	7.33	
62 Caprolactam	113	6.048	6.048	0.000	70	92076	7.50	7.48	
63 N-Nitrosodi-n-butylamine	84	6.054	6.054	0.000	87	454275	7.50	7.56	
64 p-Phenylene diamine	108	6.071	6.071	0.000	93	420295	7.50	7.82	
65 4-Chloro-3-methylphenol	107	6.200	6.200	0.000	91	409106	7.50	7.69	
66 Safrole, Total	162	6.258	6.258	0.000	80	280959	7.50	7.49	
67 2-Methylnaphthalene	142	6.340	6.340	0.000	91	681578	7.50	7.79	
69 1-Methylnaphthalene	142	6.433	6.433	0.000	91	711357	7.50	7.69	
71 Hexachlorocyclopentadiene	237	6.486	6.486	0.000	92	410271	7.50	8.35	
70 1,2,4,5-Tetrachlorobenzene	216	6.497	6.497	0.000	97	487983	7.50	7.88	
S 24 Dinitrotoluene	165				0		15.0	16.5	
72 Isosafrole Peak 1	162	6.538	6.538	0.000	80	48671	1.20	1.25	
79 2,4,6-Trichlorophenol	196	6.608	6.608	0.000	85	280271	7.50	8.21	
80 2,4,5-Trichlorophenol	196	6.643	6.643	0.000	92	309081	7.50	7.77	
$ 81 2-Fluorobiphenyl (Surr)	172	6.690	6.690	0.000	99	1893857	15.0	16.0	
82 Isosafrole Peak 2	162	6.754	6.754	0.000	85	287282	6.30	6.59	
83 1,1'-Biphenyl	154	6.784	6.784	0.000	97	953956	7.50	7.92	
84 2-Chloronaphthalene	162	6.801	6.801	0.000	97	737876	7.50	7.89	
85 1-Chloronaphthalene	162	6.824	6.824	0.000	98	698172	7.50	7.64	
86 Phenyl ether	170	6.889	6.889	0.000	85	566566	7.50	8.24	
87 2-Nitroaniline	138	6.906	6.906	0.000	73	225702	7.50	8.18	
88 1,4-Naphthoquinone	158	6.976	6.976	0.000	76	287576	7.50	7.35	
89 1,4-Dinitrobenzene	168	7.040	7.040	0.000	83	112319	7.50	8.15	
90 Dimethyl phthalate	163	7.081	7.081	0.000	96	872901	7.50	7.75	
91 1,3-Dinitrobenzene	168	7.105	7.105	0.000	81	131809	7.50	8.16	
92 2,6-Dinitrotoluene	165	7.134	7.134	0.000	88	199217	7.50	8.08	
93 Acenaphthylene	152	7.198	7.198	0.000	99	1142969	7.50	7.98	
95 3-Nitroaniline	138	7.297	7.297	0.000	83	183186	7.50	7.38	
* 96 Acenaphthene-d10	164	7.332	7.332	0.000	94	411619	5.00	5.00	
97 Acenaphthene	153	7.362	7.362	0.000	97	771606	7.50	7.80	
98 2,4-Dinitrophenol	184	7.397	7.397	0.000	82	281454	17.5	18.2	
100 4-Nitrophenol	109	7.461	7.461	0.000	83	335577	15.0	16.2	
99 Pentachlorobenzene	250	7.490	7.490	0.000	97	394736	7.50	7.26	
102 2,4-Dinitrotoluene	165	7.519	7.519	0.000	87	281339	7.50	8.39	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.531	7.531	0.000	96	1101549	7.50	7.82	
104 1-Naphthylamine	143	7.601	7.601	0.000	96	667621	7.50	7.37	
105 2,3,4,6-Tetrachlorophenol	232	7.648	7.648	0.000	72	280711	7.50	7.76	
106 2-Naphthylamine	143	7.677	7.677	0.000	94	673239	7.50	7.70	
107 Diethyl phthalate	149	7.759	7.759	0.000	96	874190	7.50	7.55	
109 Thionazin	107	7.835	7.835	0.000	75	141596	7.50	7.17	
108 Fluorene	166	7.852	7.852	0.000	93	841284	7.50	7.65	
110 4-Chlorophenyl phenyl ether	204	7.858	7.858	0.000	91	433098	7.50	7.59	
111 N-Nitro-o-toluidine	152	7.870	7.870	0.000	84	194966	7.50	6.96	
112 4-Nitroaniline	138	7.875	7.875	0.000	76	191538	7.50	8.01	
113 4,6-Dinitro-2-methylphenol	198	7.905	7.905	0.000	78	335480	15.0	15.8	
114 N-Nitrosodiphenylamine	169	7.969	7.969	0.000	66	589688	6.38	7.09	
115 1,2-Diphenylhydrazine	77	8.010	8.010	0.000	98	1200864	7.50	8.00	
$ 116 2,4,6-Tribromophenol	330	8.086	8.086	0.000	93	400998	15.0	15.9	
117 Sulfotepp	97	8.132	8.132	0.000	80	197727	7.50	8.06	
118 1,3,5-Trinitrobenzene	213	8.226	8.226	0.000	80	75951	7.50	8.49	
120 cis-Diallate	86	8.249	8.249	0.000	81	323269	5.55	5.59	
119 Phorate	75	8.255	8.255	0.000	94	696228	7.50	7.68	
121 Phenacetin	108	8.267	8.267	0.000	85	423257	7.50	7.90	
122 4-Bromophenyl phenyl ether	248	8.325	8.325	0.000	65	291533	7.50	8.08	
123 trans-Diallate	86	8.337	8.337	0.000	92	114699	1.95	1.98	
124 Hexachlorobenzene	284	8.372	8.372	0.000	96	358837	7.50	7.95	
125 Dimethoate	87	8.418	8.418	0.000	97	407004	7.50	8.58	
126 Atrazine	200	8.489	8.489	0.000	89	236481	7.50	8.08	
127 Pentachlorophenol	266	8.564	8.564	0.000	93	438014	15.0	16.8	
129 4-Aminobiphenyl	169	8.570	8.570	0.000	92	854381	7.50	8.00	
128 Pentachloronitrobenzene	237	8.576	8.576	0.000	83	154760	7.50	7.49	
130 Pronamide	173	8.634	8.634	0.000	90	391155	7.50	8.33	
* 131 Phenanthrene-d10	188	8.745	8.745	0.000	98	741288	5.00	5.00	
133 Dinoseb	211	8.745	8.745	0.000	75	214180	7.50	8.25	
134 Disulfoton	88	8.757	8.757	0.000	97	586177	7.50	7.20	
132 Phenanthrene	178	8.769	8.769	0.000	97	1230410	7.50	8.07	
135 Anthracene	178	8.816	8.816	0.000	98	1219577	7.50	7.99	
136 Carbazole	167	8.973	8.973	0.000	96	1088962	7.50	8.31	
137 Methyl parathion	109	9.113	9.113	0.000	89	298082	7.50	8.17	
138 Di-n-butyl phthalate	149	9.324	9.324	0.000	100	1293958	7.50	8.11	
139 Ethyl Parathion	109	9.487	9.487	0.000	82	172667	7.50	7.76	
140 4-Nitroquinoline-1-oxide	190	9.510	9.510	0.000	76	84144	7.50	6.76	
S 68 Diallate	86				0		7.50	7.57	
142 Octachlorostyrene	308	9.721	9.721	0.000	89	150000	7.50	8.63	
143 Isodrin	193	9.761	9.761	0.000	91	157809	7.50	7.33	
144 Fluoranthene	202	9.902	9.902	0.000	98	1355554	7.50	7.91	
145 Benzidine	184	10.042	10.042	0.000	99	2405618	22.5	24.3	
* 146 Pyrene-d10 (IS)	212	10.100	10.100	0.000	98	741758	5.00	5.00	
147 Pyrene	202	10.118	10.118	0.000	97	1421803	7.50	8.00	
$ 148 p-Terphenyl-d14	244	10.281	10.281	0.000	100	1950184	15.0	16.2	
149 p-Dimethylamino azobenzene	225	10.421	10.421	0.000	92	195860	7.50	8.45	
150 Chlorobenzilate	139	10.474	10.474	0.000	91	355887	7.50	7.95	
151 Famphur	218	10.474	10.474	0.000	49	4642	7.50	11.7	
152 3,3'-Dimethylbenzidine	212	10.777	10.777	0.000	99	646996	7.50	8.48	
153 Butyl benzyl phthalate	149	10.801	10.801	0.000	95	532814	7.50	8.24	
155 2-Acetylaminofluorene	181	11.052	11.052	0.000	92	385642	7.50	7.54	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		7.50	7.84	
157 3,3'-Dichlorobenzidine	252	11.391	11.391	0.000	75	521488	7.50	8.38	
158 4,4'-Methylene bis(2-chloroanil	231	11.396	11.396	0.000	90	236356	7.50	8.14	
156 Benzo[a]anthracene	228	11.402	11.402	0.000	98	1275685	7.50	8.22	
159 Chrysene	228	11.443	11.443	0.000	96	1210139	7.50	8.26	
160 Bis(2-ethylhexyl) phthalate	149	11.484	11.484	0.000	96	750749	7.50	8.17	
S 103 Aramite, Total	185		11.583				7.50	ND	
161 6-Methylchrysene	242	12.021	12.021	0.000	98	788948	7.50	8.08	
162 Di-n-octyl phthalate	149	12.360	12.360	0.000	99	1203302	7.50	7.87	
163 7,12-Dimethylbenz(a)anthracene	256	12.821	12.821	0.000	70	482874	7.50	7.95	
164 Benzo[b]fluoranthene	252	12.821	12.821	0.000	96	1294982	7.50	8.22	
165 Benzo[k]fluoranthene	252	12.856	12.856	0.000	98	1314213	7.50	8.11	
166 Benzo[a]pyrene	252	13.282	13.282	0.000	77	1215336	7.50	8.15	
* 167 Perylene-d12	264	13.364	13.364	0.000	99	655441	5.00	5.00	
168 3-Methylcholanthrene	268	13.808	13.808	0.000	90	536945	7.50	7.53	
169 Dibenz[a,h]acridine	279	14.596	14.596	0.000	91	881411	7.50	7.67	
170 Dibenz[a,j]acridine	279	14.666	14.666	0.000	96	1052845	7.50	8.18	
171 Indeno[1,2,3-cd]pyrene	276	14.894	14.894	0.000	99	1176641	7.50	7.85	
172 Dibenz(a,h)anthracene	278	14.935	14.935	0.000	91	1184656	7.50	8.32	
173 Benzo[g,h,i]perylene	276	15.268	15.268	0.000	98	1222693	7.50	7.98	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_5_00051 Amount Added: 1.00 Units: mL

Report Date: 14-Apr-2025 19:11:06 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1405.D

Injection Date: 14-Apr-2025 12:46:30 Instrument ID: HP23264 Operator ID: CJS101602

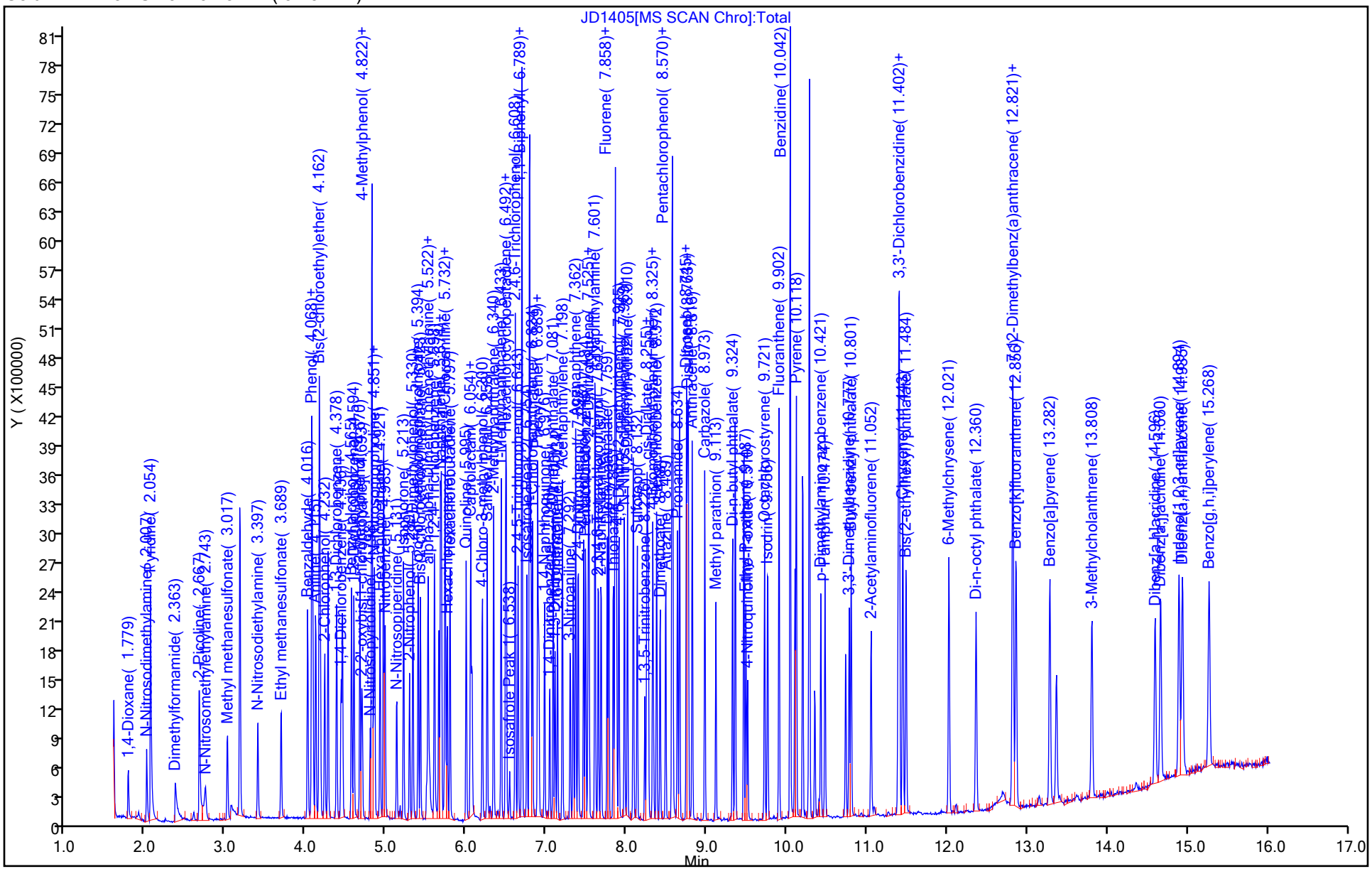
Lims ID: IC L5 Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1406.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 14-Apr-2025 13:07:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4
Misc. Info.: 410-0143944-006
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 19:12:00 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: N5QU Date: 14-Apr-2025 15:27:02

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.780	1.779	0.001	94	91353	3.75	3.36	
	2 N-Nitrosodimethylamine	74	2.013	2.007	0.006	89	150022	3.75	3.50	
	3 Pyridine	79	2.060	2.054	0.006	97	478248	7.50	7.06	
	4 Dimethylformamide	73	2.393	2.363	0.030	91	177802	3.75	3.45	
	5 2-Picoline	93	2.667	2.667	0.000	90	234877	3.75	3.59	
	6 N-Nitrosomethylethylamine	88	2.743	2.737	0.006	94	103033	3.75	3.50	
	7 Methyl methanesulfonate	80	3.017	3.017	0.000	87	162598	3.75	3.80	
$	9 2-Fluorophenol	112	3.169	3.169	0.000	93	382134	7.50	7.28	
	11 N-Nitrosodiethylamine	102	3.397	3.397	0.000	93	92051	3.75	3.51	
	12 Ethyl methanesulfonate	109	3.689	3.689	0.000	94	103228	3.75	3.64	
	13 Benzaldehyde	77	4.016	4.016	0.000	94	227615	3.75	3.59	
$	15 Phenol-d5	99	4.068	4.068	0.000	94	563684	7.50	7.59	
	16 Phenol	94	4.080	4.080	0.000	93	270805	3.75	3.75	
	17 Aniline	93	4.115	4.115	0.000	94	349185	3.75	3.51	
	18 Bis(2-chloroethyl)ether	93	4.174	4.179	-0.005	91	227317	3.75	3.67	
	19 2-Chlorophenol	128	4.232	4.232	0.000	91	177106	3.75	3.68	
	21 1,3-Dichlorobenzene	146	4.378	4.378	0.000	92	204304	3.75	3.67	
*	22 1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	96	185092	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.454	4.454	0.000	88	202869	3.75	3.40	
	26 Benzyl alcohol	108	4.565	4.565	0.000	86	134277	3.75	3.74	
	27 1,2-Dichlorobenzene	146	4.594	4.594	0.000	93	198445	3.75	3.60	
	29 2-Methylphenol	108	4.670	4.670	0.000	94	182417	3.75	3.75	
	30 2,2'-oxybis[1-chloropropane]	45	4.693	4.693	0.000	91	289435	3.75	3.84	
	31 N-Nitrosopyrrolidine	100	4.798	4.798	0.000	89	109661	3.75	3.66	
	34 4-Methylphenol	108	4.822	4.822	0.000	54	191359	3.75	3.50	
	32 Acetophenone	105	4.822	4.822	0.000	80	349120	3.75	3.83	
	33 N-Nitrosodi-n-propylamine	70	4.816	4.822	-0.006	62	206334	3.75	3.66	
	35 N-Nitrosomorpholine	56	4.839	4.839	0.000	88	143833	3.75	3.63	
	36 2-Toluidine	106	4.851	4.851	0.000	95	314668	3.75	3.61	
	37 Hexachloroethane	117	4.921	4.921	0.000	91	98454	3.75	3.61	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.962	4.968	-0.006	87	604494	7.50	7.13	
40 Nitrobenzene	77	4.985	4.985	0.000	85	293728	3.75	3.53	
41 N-Nitrosopiperidine	114	5.131	5.131	0.000	81	89327	3.75	3.39	
42 Isophorone	82	5.213	5.213	0.000	97	512125	3.75	3.63	
43 2-Nitrophenol	139	5.289	5.289	0.000	84	87652	3.75	3.49	
44 2,4-Dimethylphenol	107	5.330	5.330	0.000	98	218636	3.75	3.70	
46 o,o',o''-Triethylphosphorothioat	198	5.400	5.400	0.000	91	99041	3.75	3.65	
47 Bis(2-chloroethoxy)methane	93	5.423	5.423	0.000	97	302968	3.75	3.61	
54 alpha,alpha-Dimethyl phenethylam	58	5.505	5.505	0.000	87	361438	3.75	5.26	
49 2,4-Dichlorophenol	162	5.522	5.522	0.000	97	160915	3.75	3.74	
50 1,2,4-Trichlorobenzene	180	5.598	5.598	0.000	93	194174	3.75	3.61	
* 52 Naphthalene-d8	136	5.657	5.657	0.000	99	680232	5.00	5.00	
53 Naphthalene	128	5.674	5.674	0.000	98	526617	3.75	3.65	
55 Alpha-Terpineol	59	5.686	5.686	0.000	91	193659	3.75	3.65	
56 4-Chloroaniline	127	5.733	5.727	0.006	92	219469	3.75	3.65	
57 2,6-Dichlorophenol	162	5.733	5.738	-0.005	89	158614	3.75	3.70	
58 Hexachloropropene	213	5.762	5.762	0.000	97	157946	3.75	3.74	
59 Hexachlorobutadiene	225	5.797	5.797	0.000	93	151817	3.75	3.67	
61 Quinoline	129	5.995	5.995	0.000	94	342023	3.75	3.63	
62 Caprolactam	113	6.048	6.048	0.000	74	46128	3.75	3.74	
63 N-Nitrosodi-n-butylamine	84	6.054	6.054	0.000	88	222211	3.75	3.69	
64 p-Phenylene diamine	108	6.071	6.071	0.000	92	179331	3.75	3.33	
65 4-Chloro-3-methylphenol	107	6.200	6.200	0.000	90	200330	3.75	3.76	
66 Safrole, Total	162	6.258	6.258	0.000	76	132830	3.75	3.53	
67 2-Methylnaphthalene	142	6.340	6.340	0.000	93	328631	3.75	3.75	
69 1-Methylnaphthalene	142	6.433	6.433	0.000	92	327984	3.75	3.54	
71 Hexachlorocyclopentadiene	237	6.486	6.486	0.000	92	186821	3.75	3.86	
70 1,2,4,5-Tetrachlorobenzene	216	6.498	6.497	0.001	97	219418	3.75	3.59	
S 24 Dinitrotoluene	165				0		7.50	7.67	
72 Isosafrole Peak 1	162	6.538	6.538	0.000	80	24117	0.6000	0.6258	
79 2,4,6-Trichlorophenol	196	6.608	6.608	0.000	85	128123	3.75	3.81	
80 2,4,5-Trichlorophenol	196	6.643	6.643	0.000	93	146308	3.75	3.73	
$ 81 2-Fluorobiphenyl (Surr)	172	6.690	6.690	0.000	99	928308	7.50	7.94	
82 Isosafrole Peak 2	162	6.754	6.754	0.000	87	138781	3.15	3.23	
83 1,1'-Biphenyl	154	6.789	6.784	0.005	98	442670	3.75	3.73	
84 2-Chloronaphthalene	162	6.801	6.801	0.000	95	339196	3.75	3.68	
85 1-Chloronaphthalene	162	6.824	6.824	0.000	97	334023	3.75	3.71	
86 Phenyl ether	170	6.889	6.889	0.000	85	257994	3.75	3.81	
87 2-Nitroaniline	138	6.900	6.906	-0.006	72	103852	3.75	3.82	
88 1,4-Naphthoquinone	158	6.976	6.976	0.000	78	142724	3.75	3.70	
89 1,4-Dinitrobenzene	168	7.041	7.040	0.001	82	45601	3.75	3.35	
90 Dimethyl phthalate	163	7.081	7.081	0.000	96	418577	3.75	3.77	
91 1,3-Dinitrobenzene	168	7.105	7.105	0.000	79	56544	3.75	3.55	
92 2,6-Dinitrotoluene	165	7.134	7.134	0.000	83	88183	3.75	3.63	
93 Acenaphthylene	152	7.198	7.198	0.000	99	525169	3.75	3.72	
95 3-Nitroaniline	138	7.292	7.297	-0.005	84	82745	3.75	3.38	
* 96 Acenaphthene-d10	164	7.332	7.332	0.000	95	405857	5.00	5.00	
97 Acenaphthene	153	7.362	7.362	0.000	97	368368	3.75	3.78	
98 2,4-Dinitrophenol	184	7.397	7.397	0.000	81	174163	11.3	11.4	
100 4-Nitrophenol	109	7.461	7.461	0.000	82	155350	7.50	7.59	
99 Pentachlorobenzene	250	7.484	7.490	-0.006	97	198507	3.75	3.70	
102 2,4-Dinitrotoluene	165	7.519	7.519	0.000	93	133802	3.75	4.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.525	7.531	-0.006	96	519207	3.75	3.74	
104 1-Naphthylamine	143	7.601	7.601	0.000	96	320543	3.75	3.59	
105 2,3,4,6-Tetrachlorophenol	232	7.648	7.648	0.000	72	120592	3.75	3.38	
106 2-Naphthylamine	143	7.677	7.677	0.000	95	336775	3.75	3.90	
107 Diethyl phthalate	149	7.753	7.759	-0.006	96	428589	3.75	3.75	
109 Thionazin	107	7.829	7.835	-0.006	75	70912	3.75	3.64	
108 Fluorene	166	7.852	7.852	0.000	93	405048	3.75	3.74	
110 4-Chlorophenyl phenyl ether	204	7.858	7.858	0.000	90	219070	3.75	3.89	
111 N-Nitro-o-toluidine	152	7.870	7.870	0.000	82	97355	3.75	3.52	
112 4-Nitroaniline	138	7.870	7.875	-0.005	74	91534	3.75	3.88	
113 4,6-Dinitro-2-methylphenol	198	7.899	7.905	-0.006	79	159674	7.50	6.99	
114 N-Nitrosodiphenylamine	169	7.969	7.969	0.000	64	273747	3.19	3.06	
115 1,2-Diphenylhydrazine	77	8.010	8.010	0.000	97	587168	3.75	3.64	
$ 116 2,4,6-Tribromophenol	330	8.080	8.086	-0.006	92	184052	7.50	7.38	
117 Sulfotepp	97	8.132	8.132	0.000	78	93129	3.75	3.53	
118 1,3,5-Trinitrobenzene	213	8.226	8.226	0.000	80	35041	3.75	3.64	
120 cis-Diallate	86	8.249	8.249	0.000	84	151923	2.78	2.44	
119 Phorate	75	8.255	8.255	0.000	94	355106	3.75	3.64	
121 Phenacetin	108	8.267	8.267	0.000	86	218800	3.75	3.80	
122 4-Bromophenyl phenyl ether	248	8.325	8.325	0.000	65	141171	3.75	3.64	
123 trans-Diallate	86	8.331	8.337	-0.006	92	57739	0.9750	0.9256	
124 Hexachlorobenzene	284	8.372	8.372	0.000	95	173809	3.75	3.58	
125 Dimethoate	87	8.413	8.418	-0.005	97	186515	3.75	3.65	
126 Atrazine	200	8.489	8.489	0.000	90	127620	3.75	4.05	
127 Pentachlorophenol	266	8.565	8.564	0.001	93	199791	7.50	7.13	
129 4-Aminobiphenyl	169	8.570	8.570	0.000	91	429733	3.75	3.74	
128 Pentachloronitrobenzene	237	8.576	8.576	0.000	83	84148	3.75	3.78	
130 Pronamide	173	8.635	8.634	0.001	89	179120	3.75	3.55	
* 131 Phenanthrene-d10	188	8.746	8.745	0.001	97	797639	5.00	5.00	
133 Dinoseb	211	8.746	8.745	0.001	65	97806	3.75	3.50	
134 Disulfoton	88	8.757	8.757	0.000	97	296474	3.75	3.38	
132 Phenanthrene	178	8.769	8.769	0.000	98	587215	3.75	3.58	
135 Anthracene	178	8.816	8.816	0.000	98	600098	3.75	3.66	
136 Carbazole	167	8.973	8.973	0.000	96	520544	3.75	3.69	
137 Methyl parathion	109	9.113	9.113	0.000	90	136519	3.75	3.48	
138 Di-n-butyl phthalate	149	9.324	9.324	0.000	100	628202	3.75	3.66	
139 Ethyl Parathion	109	9.487	9.487	0.000	81	90122	3.75	3.76	
140 4-Nitroquinoline-1-oxide	190	9.510	9.510	0.000	78	39272	3.75	2.93	
S 68 Diallate	86				0		3.75	3.37	
142 Octachlorostyrene	308	9.721	9.721	0.000	89	70560	3.75	3.77	
143 Isodrin	193	9.756	9.761	-0.005	92	82383	3.75	3.56	
144 Fluoranthene	202	9.902	9.902	0.000	98	655232	3.75	3.56	
145 Benzidine	184	10.042	10.042	0.000	99	1161672	11.3	10.7	
* 146 Pyrene-d10 (IS)	212	10.100	10.100	0.000	97	815410	5.00	5.00	
147 Pyrene	202	10.118	10.118	0.000	97	701506	3.75	3.59	
$ 148 p-Terphenyl-d14	244	10.281	10.281	0.000	100	951028	7.50	7.18	
149 p-Dimethylamino azobenzene	225	10.421	10.421	0.000	93	92179	3.75	3.62	
150 Chlorobenzilate	139	10.474	10.474	0.000	89	173839	3.75	3.53	
151 Famphur	218	10.474	10.474	0.000	49	2124	3.75	4.89	
152 3,3'-Dimethylbenzidine	212	10.778	10.777	0.001	99	294238	3.75	3.51	
153 Butyl benzyl phthalate	149	10.801	10.801	0.000	93	244955	3.75	3.45	
155 2-Acetylaminofluorene	181	11.052	11.052	0.000	91	171261	3.75	3.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		3.75	3.86	
157 3,3'-Dichlorobenzidine	252	11.391	11.391	0.000	76	248578	3.75	3.63	
158 4,4'-Methylene bis(2-chloroanil	231	11.396	11.396	0.000	93	111778	3.75	3.50	
156 Benzo[a]anthracene	228	11.402	11.402	0.000	98	619413	3.75	3.63	
159 Chrysene	228	11.443	11.443	0.000	97	585940	3.75	3.64	
160 Bis(2-ethylhexyl) phthalate	149	11.490	11.484	0.006	96	335380	3.75	3.32	
S 103 Aramite, Total	185		11.583				3.75	ND	
161 6-Methylchrysene	242	12.021	12.021	0.000	97	390537	3.75	3.64	
162 Di-n-octyl phthalate	149	12.360	12.360	0.000	99	534333	3.75	3.26	
163 7,12-Dimethylbenz(a)anthracene	256	12.821	12.821	0.000	70	227453	3.75	3.50	
164 Benzo[b]fluoranthene	252	12.821	12.821	0.000	96	601971	3.75	3.57	
165 Benzo[k]fluoranthene	252	12.856	12.856	0.000	99	606786	3.75	3.50	
166 Benzo[a]pyrene	252	13.282	13.282	0.000	77	564916	3.75	3.54	M
* 167 Perylene-d12	264	13.364	13.364	0.000	99	701749	5.00	5.00	
168 3-Methylcholanthrene	268	13.808	13.808	0.000	89	245992	3.75	3.22	
169 Dibenz[a,h]acridine	279	14.590	14.596	-0.006	90	433666	3.75	3.52	
170 Dibenz[a,j]acridine	279	14.660	14.666	-0.006	96	508034	3.75	3.69	
171 Indeno[1,2,3-cd]pyrene	276	14.894	14.894	0.000	98	552032	3.75	3.44	
172 Dibenz(a,h)anthracene	278	14.935	14.935	0.000	91	570382	3.75	3.74	
173 Benzo[g,h,i]perylene	276	15.268	15.268	0.000	98	583210	3.75	3.56	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_4_00040 Amount Added: 1.00 Units: mL

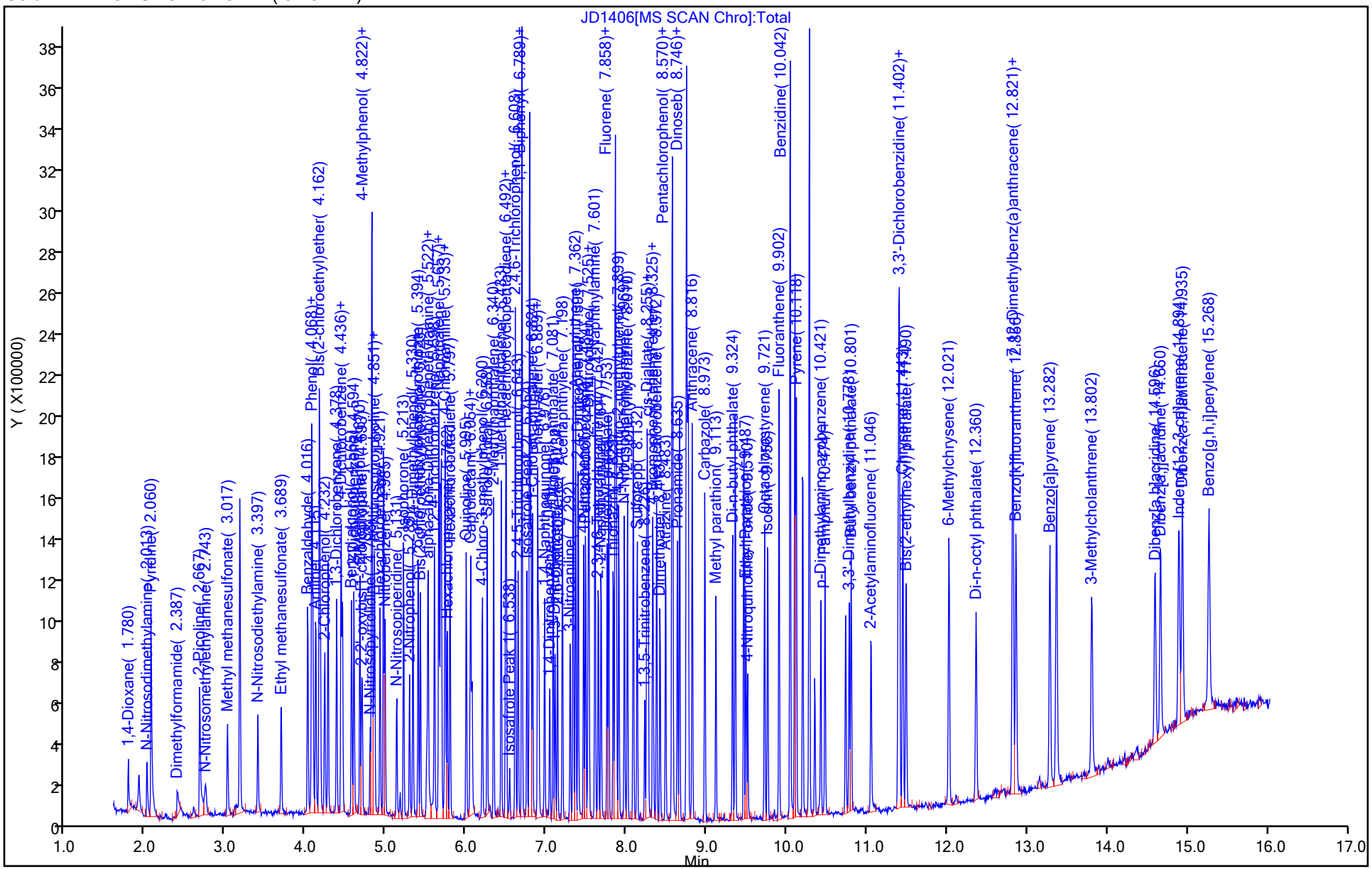
Report Date: 14-Apr-2025 19:12:05 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1406.D

Injection Date:	14-Apr-2025 13:07:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	IC L4			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

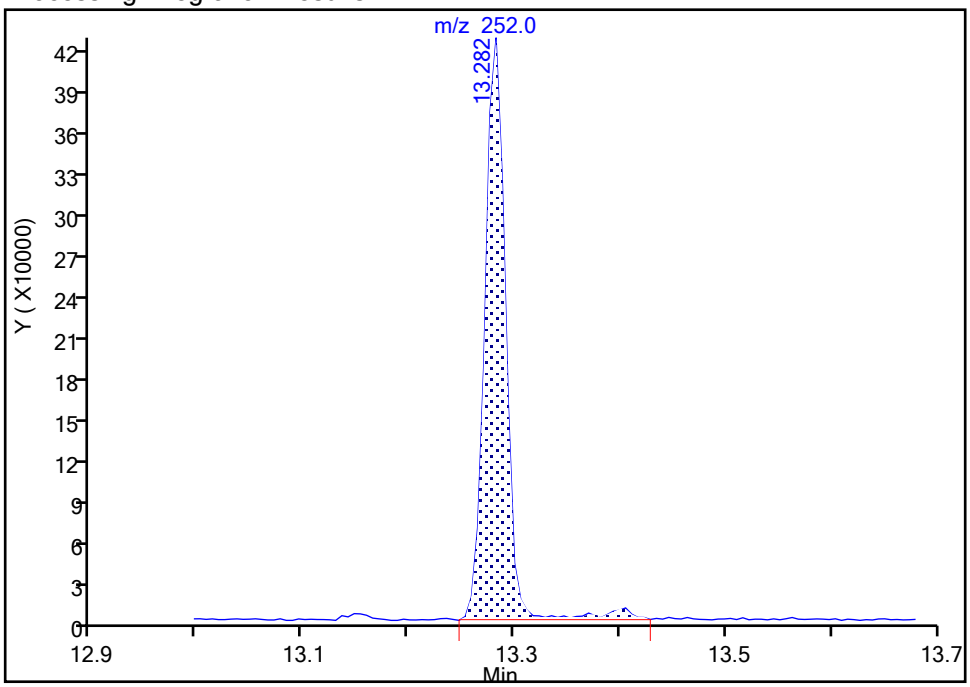
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1406.D				
Injection Date:	14-Apr-2025 13:07:30	Instrument ID:	HP23264		
Lims ID:	IC L4				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

166 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

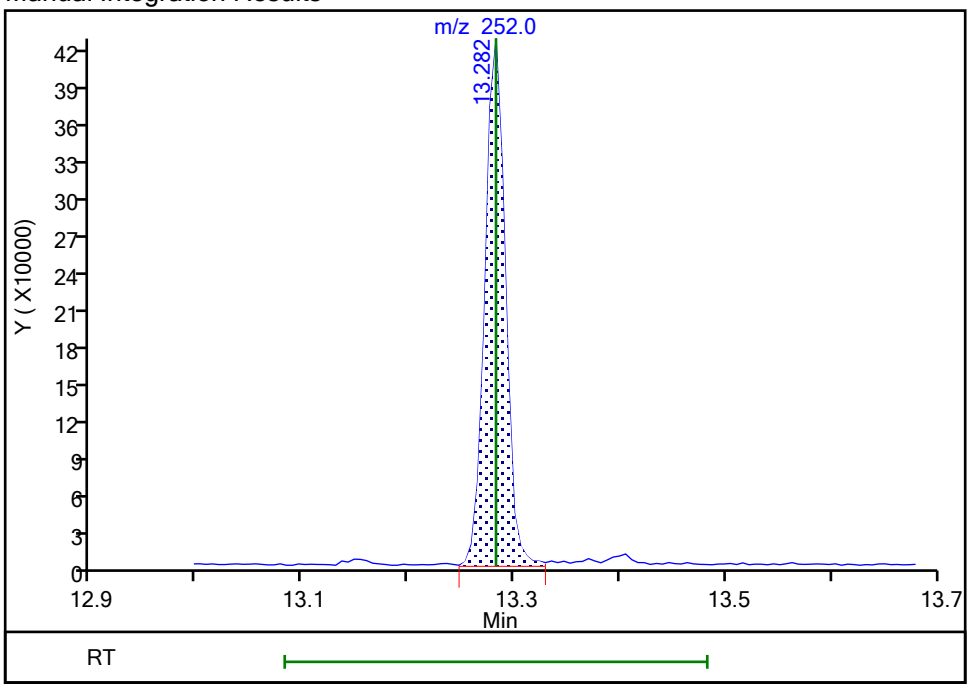
Processing Integration Results

RT: 13.28
Area: 587430
Amount: 3.660397
Amount Units: ug/ml



Manual Integration Results

RT: 13.28
Area: 564916
Amount: 3.536646
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:26:48 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1407.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Apr-2025 13:28:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0143944-007
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 19:13:01 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: N5QU Date: 14-Apr-2025 15:29:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.785	1.779	0.006	90	43786	1.25	1.30	
2 N-Nitrosodimethylamine	74	2.019	2.007	0.012	90	49088	1.25	1.21	
3 Pyridine	79	2.071	2.054	0.017	96	163920	2.50	2.55	
4 Dimethylformamide	73	2.439	2.363	0.076	83	63648	1.25	1.30	M
5 2-Picoline	93	2.679	2.667	0.012	88	72002	1.25	1.16	
6 N-Nitrosomethylethylamine	88	2.714	2.737	-0.023	91	41296	1.25	1.48	
7 Methyl methanesulfonate	80	3.017	3.017	0.000	85	49909	1.25	1.23	
$ 9 2-Fluorophenol	112	3.169	3.169	0.000	93	120751	2.50	2.43	
11 N-Nitrosodiethylamine	102	3.397	3.397	0.000	90	28706	1.25	1.16	
12 Ethyl methanesulfonate	109	3.689	3.689	0.000	94	33351	1.25	1.24	
13 Benzaldehyde	77	4.016	4.016	0.000	90	78247	1.25	1.30	
$ 15 Phenol-d5	99	4.068	4.068	0.000	92	168185	2.50	2.39	
16 Phenol	94	4.080	4.080	0.000	93	84543	1.25	1.24	
17 Aniline	93	4.121	4.115	0.006	94	114447	1.25	1.21	
18 Bis(2-chloroethyl)ether	93	4.179	4.179	0.000	96	77982	1.25	1.33	
19 2-Chlorophenol	128	4.232	4.232	0.000	90	54265	1.25	1.19	
21 1,3-Dichlorobenzene	146	4.378	4.378	0.000	92	64651	1.25	1.22	
* 22 1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	96	175389	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.448	4.454	-0.006	91	69229	1.25	1.23	
26 Benzyl alcohol	108	4.565	4.565	0.000	86	36880	1.25	1.08	
27 1,2-Dichlorobenzene	146	4.594	4.594	0.000	92	64653	1.25	1.24	
29 2-Methylphenol	108	4.670	4.670	0.000	93	54138	1.25	1.17	
30 2,2'-oxybis[1-chloropropane]	45	4.693	4.693	0.000	91	88863	1.25	1.25	
31 N-Nitrosopyrrolidine	100	4.798	4.798	0.000	90	35885	1.25	1.26	
34 4-Methylphenol	108	4.816	4.822	-0.006	66	70087	1.25	1.35	
32 Acetophenone	105	4.822	4.822	0.000	81	105614	1.25	1.22	
33 N-Nitrosodi-n-propylamine	70	4.816	4.822	-0.006	62	64345	1.25	1.20	
35 N-Nitrosomorpholine	56	4.839	4.839	0.000	82	47289	1.25	1.26	
36 2-Toluidine	106	4.851	4.851	0.000	95	102652	1.25	1.24	
37 Hexachloroethane	117	4.921	4.921	0.000	88	32008	1.25	1.24	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.962	4.968	-0.006	87	195167	2.50	2.37	
40 Nitrobenzene	77	4.985	4.985	0.000	84	99262	1.25	1.23	
41 N-Nitrosopiperidine	114	5.131	5.131	0.000	84	31960	1.25	1.25	
42 Isophorone	82	5.213	5.213	0.000	95	175516	1.25	1.28	
43 2-Nitrophenol	139	5.289	5.289	0.000	90	31484	1.25	1.29	
44 2,4-Dimethylphenol	107	5.330	5.330	0.000	95	68230	1.25	1.19	
46 o,o',o''-Triethylphosphorothioat	198	5.400	5.400	0.000	90	32565	1.25	1.24	
47 Bis(2-chloroethoxy)methane	93	5.423	5.423	0.000	96	96052	1.25	1.18	
54 alpha,alpha-Dimethyl phenethylam	58	5.511	5.505	0.006	86	110939	1.25	1.67	
49 2,4-Dichlorophenol	162	5.522	5.522	0.000	95	48583	1.25	1.16	
50 1,2,4-Trichlorobenzene	180	5.598	5.598	0.000	94	62787	1.25	1.20	
* 52 Naphthalene-d8	136	5.657	5.657	0.000	100	659969	5.00	5.00	
53 Naphthalene	128	5.674	5.674	0.000	98	169365	1.25	1.21	
55 Alpha-Terpineol	59	5.686	5.686	0.000	90	61215	1.25	1.19	
56 4-Chloroaniline	127	5.732	5.727	0.005	92	74032	1.25	1.27	
57 2,6-Dichlorophenol	162	5.738	5.738	0.000	93	50484	1.25	1.21	
58 Hexachloropropene	213	5.762	5.762	0.000	95	52066	1.25	1.27	
59 Hexachlorobutadiene	225	5.797	5.797	0.000	92	49829	1.25	1.24	
61 Quinoline	129	5.995	5.995	0.000	94	119101	1.25	1.30	
62 Caprolactam	113	6.042	6.048	-0.006	70	14206	1.25	1.19	
63 N-Nitrosodi-n-butylamine	84	6.054	6.054	0.000	89	76717	1.25	1.31	
64 p-Phenylene diamine	108	6.071	6.071	0.000	97	58877	1.25	1.13	
65 4-Chloro-3-methylphenol	107	6.200	6.200	0.000	90	61650	1.25	1.19	
66 Safrole, Total	162	6.258	6.258	0.000	82	46889	1.25	1.28	
67 2-Methylnaphthalene	142	6.340	6.340	0.000	87	103849	1.25	1.22	
69 1-Methylnaphthalene	142	6.433	6.433	0.000	91	106637	1.25	1.19	
71 Hexachlorocyclopentadiene	237	6.486	6.486	0.000	94	57470	1.25	1.16	
70 1,2,4,5-Tetrachlorobenzene	216	6.497	6.497	0.000	96	77329	1.25	1.24	
S 24 Dinitrotoluene	165				0		2.50	2.35	
72 Isosafrole Peak 1	162	6.538	6.538	0.000	84	7172	0.2000	0.1817	
79 2,4,6-Trichlorophenol	196	6.608	6.608	0.000	85	42947	1.25	1.25	
80 2,4,5-Trichlorophenol	196	6.643	6.643	0.000	92	48451	1.25	1.21	
$ 81 2-Fluorobiphenyl (Surr)	172	6.690	6.690	0.000	98	282773	2.50	2.36	
82 Isosafrole Peak 2	162	6.754	6.754	0.000	81	41488	1.05	0.9428	
83 1,1'-Biphenyl	154	6.789	6.784	0.005	97	153832	1.25	1.26	
84 2-Chloronaphthalene	162	6.801	6.801	0.000	95	109269	1.25	1.16	
85 1-Chloronaphthalene	162	6.824	6.824	0.000	97	115292	1.25	1.25	
86 Phenyl ether	170	6.889	6.889	0.000	85	85474	1.25	1.23	
87 2-Nitroaniline	138	6.900	6.906	-0.006	74	31818	1.25	1.14	
88 1,4-Naphthoquinone	158	6.976	6.976	0.000	81	51631	1.25	1.31	
89 1,4-Dinitrobenzene	168	7.040	7.040	0.000	84	18118	1.25	1.30	
90 Dimethyl phthalate	163	7.081	7.081	0.000	95	140065	1.25	1.23	
91 1,3-Dinitrobenzene	168	7.105	7.105	0.000	83	19064	1.25	1.17	
92 2,6-Dinitrotoluene	165	7.134	7.134	0.000	83	29572	1.25	1.19	
93 Acenaphthylene	152	7.198	7.198	0.000	99	174365	1.25	1.20	
95 3-Nitroaniline	138	7.297	7.297	0.000	83	29044	1.25	1.16	
* 96 Acenaphthene-d10	164	7.332	7.332	0.000	95	415727	5.00	5.00	
97 Acenaphthene	153	7.362	7.362	0.000	96	122446	1.25	1.23	
98 2,4-Dinitrophenol	184	7.397	7.397	0.000	73	63987	5.00	4.10	
100 4-Nitrophenol	109	7.461	7.461	0.000	83	71765	3.75	3.42	
99 Pentachlorobenzene	250	7.484	7.490	-0.006	95	70681	1.25	1.29	
102 2,4-Dinitrotoluene	165	7.519	7.519	0.000	83	39259	1.25	1.16	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.531	7.531	0.000	96	176022	1.25	1.24	
104 1-Naphthylamine	143	7.601	7.601	0.000	98	106045	1.25	1.16	
105 2,3,4,6-Tetrachlorophenol	232	7.648	7.648	0.000	71	45121	1.25	1.23	
106 2-Naphthylamine	143	7.677	7.677	0.000	95	110514	1.25	1.25	
107 Diethyl phthalate	149	7.753	7.759	-0.006	96	145567	1.25	1.24	
109 Thionazin	107	7.835	7.835	-0.001	76	24156	1.25	1.21	
108 Fluorene	166	7.852	7.852	0.000	92	140935	1.25	1.27	
110 4-Chlorophenyl phenyl ether	204	7.858	7.858	0.000	91	72975	1.25	1.27	
111 N-Nitro-o-toluidine	152	7.870	7.870	0.000	84	34066	1.25	1.20	
112 4-Nitroaniline	138	7.870	7.875	-0.005	70	28801	1.25	1.19	
113 4,6-Dinitro-2-methylphenol	198	7.899	7.905	-0.006	76	71476	3.75	3.04	
114 N-Nitrosodiphenylamine	169	7.969	7.969	0.000	66	86546	1.06	0.9395	
115 1,2-Diphenylhydrazine	77	8.010	8.010	0.000	97	197162	1.25	1.19	
$ 116 2,4,6-Tribromophenol	330	8.086	8.086	0.000	92	63197	2.50	2.48	
117 Sulfotepp	97	8.132	8.132	0.000	75	28864	1.25	1.06	
118 1,3,5-Trinitrobenzene	213	8.226	8.226	0.000	80	11123	1.25	1.12	
120 cis-Diallate	86	8.249	8.249	0.000	84	54003	0.9250	0.8421	
119 Phorate	75	8.255	8.255	0.000	94	114357	1.25	1.14	
121 Phenacetin	108	8.267	8.267	0.000	84	69383	1.25	1.17	
122 4-Bromophenyl phenyl ether	248	8.325	8.325	0.000	67	43615	1.25	1.09	
123 trans-Diallate	86	8.337	8.337	0.000	88	23401	0.3250	0.3642	
124 Hexachlorobenzene	284	8.372	8.372	0.000	95	61905	1.25	1.24	
125 Dimethoate	87	8.413	8.418	-0.005	96	57700	1.25	1.10	
126 Atrazine	200	8.483	8.489	-0.006	90	42082	1.25	1.30	
127 Pentachlorophenol	266	8.564	8.564	0.000	93	64405	2.50	2.23	
129 4-Aminobiphenyl	169	8.570	8.570	0.000	91	134818	1.25	1.14	
128 Pentachloronitrobenzene	237	8.570	8.576	-0.006	51	26633	1.25	1.16	
130 Pronamide	173	8.634	8.634	0.000	89	63433	1.25	1.22	
* 131 Phenanthrene-d10	188	8.745	8.745	0.000	97	821585	5.00	5.00	
133 Dinoseb	211	8.745	8.745	0.000	62	31640	1.25	1.10	
134 Disulfoton	88	8.757	8.757	0.000	96	108955	1.25	1.21	
132 Phenanthrene	178	8.769	8.769	0.000	98	215692	1.25	1.28	
135 Anthracene	178	8.815	8.816	-0.001	98	203771	1.25	1.20	
136 Carbazole	167	8.973	8.973	0.000	96	173477	1.25	1.19	
137 Methyl parathion	109	9.113	9.113	0.000	87	46579	1.25	1.15	
138 Di-n-butyl phthalate	149	9.323	9.324	-0.001	100	204642	1.25	1.16	
139 Ethyl Parathion	109	9.487	9.487	0.000	81	24171	1.25	0.9796	
140 4-Nitroquinoline-1-oxide	190	9.510	9.510	0.000	78	12332	1.25	0.8942	
S 68 Diallate	86				0		1.25	1.21	
142 Octachlorostyrene	308	9.721	9.721	-0.001	86	25881	1.25	1.34	
143 Isodrin	193	9.756	9.761	-0.005	92	30030	1.25	1.26	
144 Fluoranthene	202	9.902	9.902	0.000	98	218630	1.25	1.15	
145 Benzidine	184	10.042	10.042	0.000	99	334463	3.75	3.10	
* 146 Pyrene-d10 (IS)	212	10.100	10.100	0.000	98	810624	5.00	5.00	
147 Pyrene	202	10.118	10.118	0.000	98	235669	1.25	1.21	
$ 148 p-Terphenyl-d14	244	10.281	10.281	0.000	99	323583	2.50	2.46	
149 p-Dimethylamino azobenzene	225	10.421	10.421	0.000	90	27532	1.25	1.09	
150 Chlorobenzilate	139	10.474	10.474	0.000	85	56985	1.25	1.16	
151 Famphur	218		10.474				ND	ND	
152 3,3'-Dimethylbenzidine	212	10.777	10.777	0.000	99	94404	1.25	1.13	
153 Butyl benzyl phthalate	149	10.801	10.801	0.000	93	82510	1.25	1.17	
155 2-Acetylaminofluorene	181	11.052	11.052	0.000	91	50649	1.25	0.9062	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		1.25	1.12	
157 3,3'-Dichlorobenzidine	252	11.390	11.391	-0.001	75	74354	1.25	1.09	
158 4,4'-Methylene bis(2-chloroanil	231	11.396	11.396	0.000	90	34218	1.25	1.08	
156 Benzo[a]anthracene	228	11.402	11.402	0.000	98	208780	1.25	1.23	
159 Chrysene	228	11.443	11.443	0.000	96	203120	1.25	1.27	
160 Bis(2-ethylhexyl) phthalate	149	11.484	11.484	0.000	97	112249	1.25	1.12	
S 103 Aramite, Total	185		11.583				1.25	ND	
161 6-Methylchrysene	242	12.021	12.021	0.000	98	128907	1.25	1.21	
162 Di-n-octyl phthalate	149	12.360	12.360	0.000	99	165667	1.25	1.01	
163 7,12-Dimethylbenz(a)anthracene	256	12.821	12.821	0.000	69	73180	1.25	1.12	
164 Benzo[b]fluoranthene	252	12.821	12.821	0.000	96	196493	1.25	1.16	
165 Benzo[k]fluoranthene	252	12.856	12.856	0.000	97	204215	1.25	1.17	
166 Benzo[a]pyrene	252	13.282	13.282	0.000	77	188653	1.25	1.18	
* 167 Perylene-d12	264	13.364	13.364	0.000	99	702645	5.00	5.00	
168 3-Methylcholanthrene	268	13.808	13.808	0.000	91	81437	1.25	1.07	
169 Dibenz[a,h]acridine	279	14.596	14.596	0.000	91	140676	1.25	1.14	
170 Dibenz[a,j]acridine	279	14.660	14.666	-0.006	95	154327	1.25	1.12	
171 Indeno[1,2,3-cd]pyrene	276	14.888	14.894	-0.006	99	178529	1.25	1.11	
172 Dibenz(a,h)anthracene	278	14.935	14.935	0.000	90	187506	1.25	1.23	
173 Benzo[g,h,i]perylene	276	15.262	15.268	-0.006	98	195059	1.25	1.19	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_3_00041 Amount Added: 1.00 Units: mL

Report Date: 14-Apr-2025 19:13:06 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1407.D

Injection Date: 14-Apr-2025 13:28:30 Instrument ID: HP23264 Operator ID: CJS101602

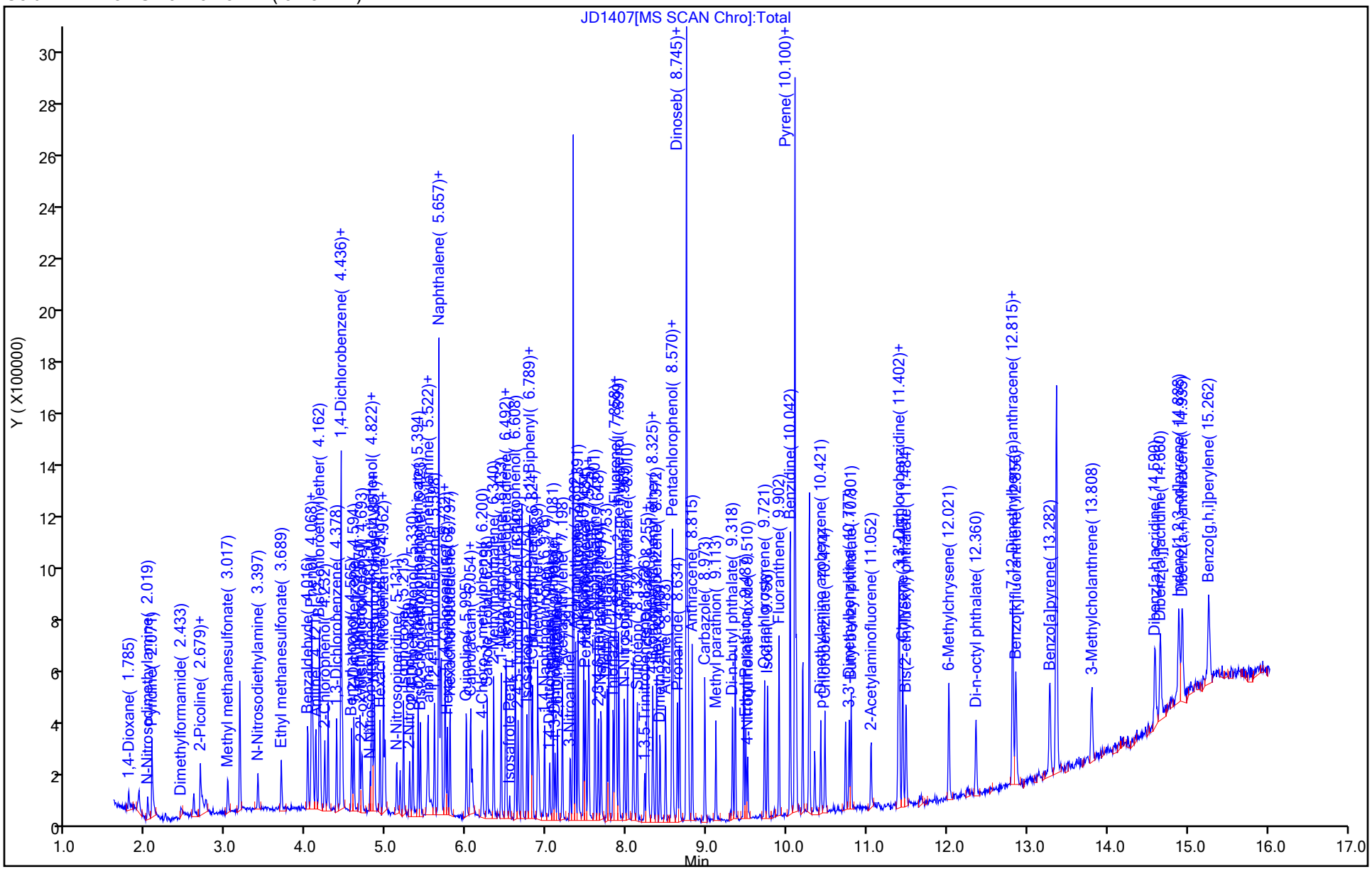
Lims ID: IC L3 Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

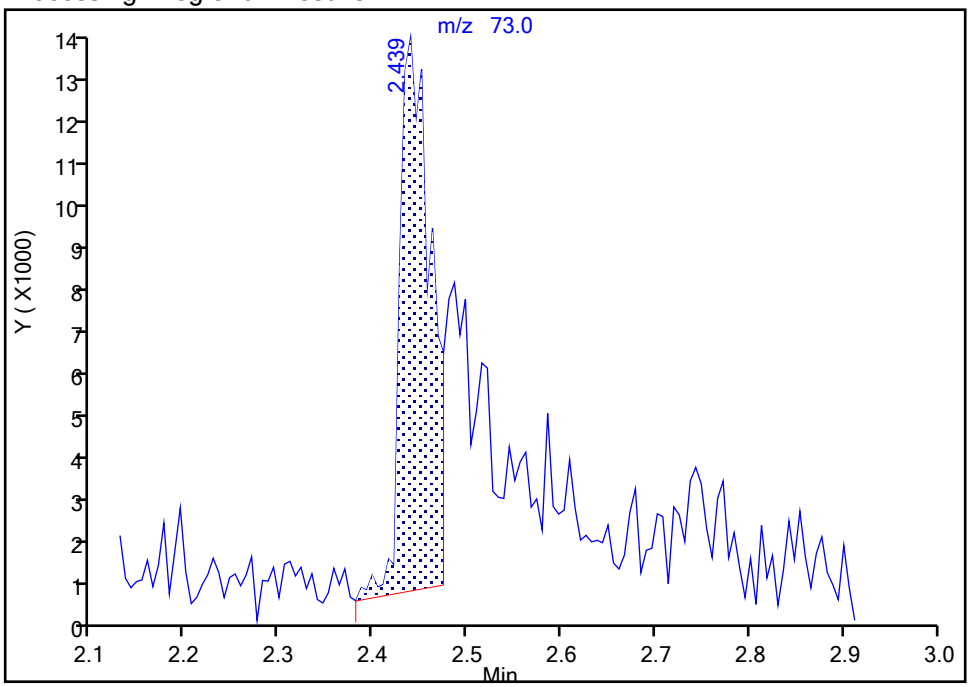
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1407.D				
Injection Date:	14-Apr-2025 13:28:30	Instrument ID:	HP23264		
Lims ID:	IC L3				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

4 Dimethylformamide, CAS: 68-12-2

Signal: 1

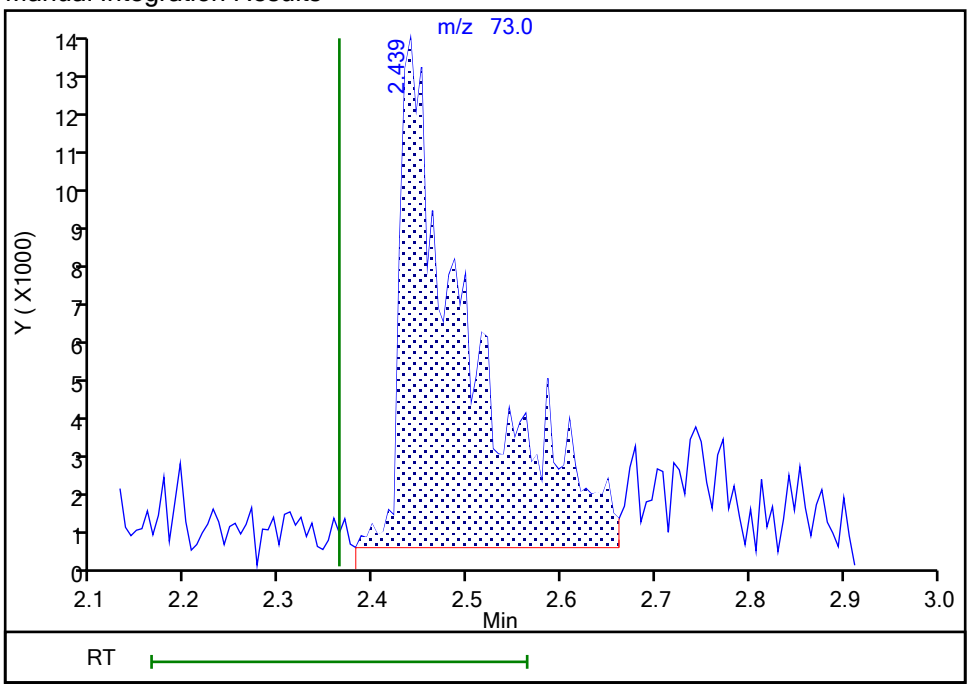
Processing Integration Results

RT: 2.44
Area: 27915
Amount: 0.723252
Amount Units: ug/ml



Manual Integration Results

RT: 2.44
Area: 63648
Amount: 1.301961
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:27:54 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1408.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-Apr-2025 13:50:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0143944-008
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 19:13:58 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: N5QU Date: 14-Apr-2025 15:33:34

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.791	1.779	0.012	61	33948	0.2500	0.7745	
	2 N-Nitrosodimethylamine	74	2.042	2.007	0.035	63	11947	0.2500	0.2855	
	3 Pyridine	79	2.095	2.054	0.041	94	32469	0.5000	0.4913	
	4 Dimethylformamide	73		2.363				ND	ND	U
	5 2-Picoline	93	2.702	2.667	0.035	28	15772	0.2500	0.2473	M
	6 N-Nitrosomethylethylamine	88	2.743	2.737	0.006	17	17997	0.2500	0.6272	
	7 Methyl methanesulfonate	80	3.017	3.017	0.000	75	9434	0.2500	0.2259	
$	9 2-Fluorophenol	112	3.175	3.169	0.006	91	19029	0.5000	0.3717	
	11 N-Nitrosodiethylamine	102	3.397	3.397	0.000	87	6765	0.2500	0.2646	M
	12 Ethyl methanesulfonate	109	3.695	3.689	0.006	91	7095	0.2500	0.2568	
	13 Benzaldehyde	77	4.022	4.016	0.006	86	15254	0.2500	0.2470	
$	15 Phenol-d5	99	4.074	4.068	0.006	94	28174	0.5000	0.3893	
	16 Phenol	94	4.086	4.080	0.006	93	14917	0.2500	0.2118	
	17 Aniline	93	4.121	4.115	0.006	95	23773	0.2500	0.2450	
	18 Bis(2-chloroethyl)ether	93	4.179	4.179	0.000	88	13860	0.2500	0.2295	
	19 2-Chlorophenol	128	4.232	4.232	0.000	89	12640	0.2500	0.2692	
	21 1,3-Dichlorobenzene	146	4.378	4.378	0.000	87	13318	0.2500	0.2452	
*	22 1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	97	180464	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.454	4.454	0.000	88	16272	0.2500	0.2799	
	26 Benzyl alcohol	108	4.571	4.565	0.006	77	7979	0.2500	0.2279	
	27 1,2-Dichlorobenzene	146	4.594	4.594	0.000	84	12381	0.2500	0.2302	
	29 2-Methylphenol	108	4.670	4.670	0.000	94	9424	0.2500	0.1985	
	30 2,2'-oxybis[1-chloropropane]	45	4.699	4.693	0.006	88	18525	0.2500	0.2523	
	31 N-Nitrosopyrrolidine	100	4.804	4.798	0.006	75	6674	0.2500	0.2283	
	34 4-Methylphenol	108	4.822	4.822	0.000	64	12485	0.2500	0.2342	
	32 Acetophenone	105	4.822	4.822	0.000	77	19371	0.2500	0.2180	
	33 N-Nitrosodi-n-propylamine	70	4.816	4.822	-0.006	62	13534	0.2500	0.2460	
	35 N-Nitrosomorpholine	56	4.839	4.839	0.000	82	10451	0.2500	0.2703	
	36 2-Toluidine	106	4.851	4.851	0.000	93	21781	0.2500	0.2563	
	37 Hexachloroethane	117	4.921	4.921	0.000	85	6890	0.2500	0.2590	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.968	4.968	0.000	83	39935	0.5000	0.4907	
40 Nitrobenzene	77	4.985	4.985	0.000	81	20670	0.2500	0.2589	
41 N-Nitrosopiperidine	114	5.131	5.131	0.000	81	6472	0.2500	0.2559	
42 Isophorone	82	5.213	5.213	0.000	95	29170	0.2500	0.2155	
43 2-Nitrophenol	139	5.295	5.289	0.006	34	5804	0.2500	0.2405	a
44 2,4-Dimethylphenol	107	5.335	5.330	0.005	89	12726	0.2500	0.2243	
46 o,o',o''-Triethylphosphorothioat	198	5.394	5.400	-0.006	82	5885	0.2500	0.2262	
47 Bis(2-chloroethoxy)methane	93	5.423	5.423	0.000	96	20112	0.2500	0.2499	
54 alpha,alpha-Dimethyl phenethylam	58	5.540	5.505	0.035	95	36501	0.2500	0.5537	
49 2,4-Dichlorophenol	162	5.522	5.522	0.000	91	8256	0.2500	0.2000	
50 1,2,4-Trichlorobenzene	180	5.604	5.598	0.006	91	12004	0.2500	0.2326	
* 52 Naphthalene-d8	136	5.657	5.657	0.000	99	653036	5.00	5.00	
53 Naphthalene	128	5.674	5.674	0.000	95	34993	0.2500	0.2524	
55 Alpha-Terpineol	59	5.686	5.686	0.000	83	10570	0.2500	0.2075	
56 4-Chloroaniline	127	5.732	5.727	0.005	79	12810	0.2500	0.2220	
57 2,6-Dichlorophenol	162	5.738	5.738	0.000	82	9587	0.2500	0.2332	
58 Hexachloropropene	213	5.756	5.762	-0.006	89	9762	0.2500	0.2409	
59 Hexachlorobutadiene	225	5.797	5.797	0.000	88	8964	0.2500	0.2259	
61 Quinoline	129	6.001	5.995	0.006	92	24565	0.2500	0.2714	
62 Caprolactam	113	6.054	6.048	0.006	51	2897	0.2500	0.2445	
63 N-Nitrosodi-n-butylamine	84	6.054	6.054	0.000	79	24694	0.2500	0.4270	
64 p-Phenylene diamine	108	6.089	6.071	0.018	28	7102	0.2500	0.1374	
65 4-Chloro-3-methylphenol	107	6.200	6.200	0.000	92	11772	0.2500	0.2299	
66 Safrole, Total	162	6.258	6.258	0.000	82	9482	0.2500	0.2626	
67 2-Methylnaphthalene	142	6.340	6.340	0.000	92	18562	0.2500	0.2204	
69 1-Methylnaphthalene	142	6.433	6.433	0.000	92	22357	0.2500	0.2512	
71 Hexachlorocyclopentadiene	237	6.486	6.486	0.000	90	10331	0.2500	0.2043	
70 1,2,4,5-Tetrachlorobenzene	216	6.497	6.497	0.000	94	15254	0.2500	0.2391	
S 24 Dinitrotoluene	165				0		0.5000	0.4731	
72 Isosafrole Peak 1	162	6.538	6.538	0.000	11	1821	0.0400	0.0452	a
79 2,4,6-Trichlorophenol	196	6.608	6.608	0.000	80	5610	0.2500	0.1596	
80 2,4,5-Trichlorophenol	196	6.643	6.643	0.000	89	9199	0.2500	0.2247	
$ 81 2-Fluorobiphenyl (Surr)	172	6.690	6.690	0.000	98	57804	0.5000	0.4732	
82 Isosafrole Peak 2	162	6.754	6.754	0.000	77	8024	0.2100	0.1788	
83 1,1'-Biphenyl	154	6.784	6.784	0.000	94	30844	0.2500	0.2486	
84 2-Chloronaphthalene	162	6.801	6.801	0.000	90	22007	0.2500	0.2284	
85 1-Chloronaphthalene	162	6.824	6.824	0.000	94	22981	0.2500	0.2442	
86 Phenyl ether	170	6.889	6.889	0.000	83	16025	0.2500	0.2264	
87 2-Nitroaniline	138	6.906	6.906	0.000	65	5066	0.2500	0.1782	
88 1,4-Naphthoquinone	158	6.976	6.976	0.000	79	10025	0.2500	0.2489	
89 1,4-Dinitrobenzene	168	7.040	7.040	0.000	59	3636	0.2500	0.2561	
90 Dimethyl phthalate	163	7.081	7.081	0.000	97	28228	0.2500	0.2432	
91 1,3-Dinitrobenzene	168	7.105	7.105	0.000	69	4299	0.2500	0.2583	
92 2,6-Dinitrotoluene	165	7.140	7.134	0.006	80	6738	0.2500	0.2653	
93 Acenaphthylene	152	7.198	7.198	0.000	98	33150	0.2500	0.2246	
95 3-Nitroaniline	138	7.297	7.297	0.000	79	3638	0.2500	0.1424	
* 96 Acenaphthene-d10	164	7.332	7.332	0.000	94	423899	5.00	5.00	
97 Acenaphthene	153	7.362	7.362	0.000	95	22579	0.2500	0.2216	
98 2,4-Dinitrophenol	184	7.397	7.397	0.000	80	32722	2.50	2.06	
100 4-Nitrophenol	109	7.467	7.461	0.006	82	27477	1.50	1.29	
99 Pentachlorobenzene	250	7.484	7.490	-0.006	94	15592	0.2500	0.2785	
102 2,4-Dinitrotoluene	165	7.519	7.519	0.000	85	7175	0.2500	0.2078	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.531	7.531	0.000	97	36832	0.2500	0.2539	
104 1-Naphthylamine	143	7.601	7.601	0.000	97	25983	0.2500	0.2785	
105 2,3,4,6-Tetrachlorophenol	232	7.648	7.648	0.000	69	8657	0.2500	0.2322	
106 2-Naphthylamine	143	7.683	7.677	0.006	93	21477	0.2500	0.2384	
107 Diethyl phthalate	149	7.753	7.759	-0.006	97	28044	0.2500	0.2351	
109 Thionazin	107	7.829	7.835	-0.006	73	5651	0.2500	0.2778	
108 Fluorene	166	7.852	7.852	0.000	89	25125	0.2500	0.2219	
110 4-Chlorophenyl phenyl ether	204	7.858	7.858	0.000	87	13150	0.2500	0.2238	
111 N-Nitro-o-toluidine	152	7.870	7.870	0.000	64	8698	0.2500	0.3014	
112 4-Nitroaniline	138	7.875	7.875	0.000	50	5400	0.2500	0.2193	
113 4,6-Dinitro-2-methylphenol	198	7.899	7.905	-0.006	74	24966	1.50	1.06	
114 N-Nitrosodiphenylamine	169	7.969	7.969	0.000	64	20035	0.2125	0.2178	
115 1,2-Diphenylhydrazine	77	8.010	8.010	0.000	96	40157	0.2500	0.2418	
$ 116 2,4,6-Tribromophenol	330	8.080	8.086	-0.006	92	12829	0.5000	0.4928	
117 Sulfotepp	97	8.126	8.132	-0.006	72	6026	0.2500	0.2220	
118 1,3,5-Trinitrobenzene	213	8.226	8.226	0.000	75	2359	0.2500	0.2382	a
120 cis-Diallate	86	8.249	8.249	0.000	59	14375	0.1850	0.2245	
119 Phorate	75	8.261	8.255	0.006	92	23270	0.2500	0.2318	
121 Phenacetin	108	8.267	8.267	0.000	84	12657	0.2500	0.2134	
122 4-Bromophenyl phenyl ether	248	8.325	8.325	0.000	67	9174	0.2500	0.2297	M
123 trans-Diallate	86	8.331	8.337	-0.006	44	4970	0.0650	0.0774	Ma
124 Hexachlorobenzene	284	8.372	8.372	0.000	91	10845	0.2500	0.2171	
125 Dimethoate	87	8.418	8.418	0.000	95	11241	0.2500	0.2140	
126 Atrazine	200	8.483	8.489	-0.006	85	6534	0.2500	0.2018	
127 Pentachlorophenol	266	8.564	8.564	0.000	92	29585	1.25	1.03	
129 4-Aminobiphenyl	169	8.570	8.570	0.000	87	28134	0.2500	0.2381	
128 Pentachloronitrobenzene	237	8.570	8.576	-0.006	51	5157	0.2500	0.2253	
130 Pronamide	173	8.634	8.634	0.000	87	11652	0.2500	0.2242	
* 131 Phenanthrene-d10	188	8.745	8.745	0.000	97	820547	5.00	5.00	
133 Dinoseb	211	8.745	8.745	0.000	60	5740	0.2500	0.1997	
134 Disulfoton	88	8.745	8.757	-0.012	93	29515	0.2500	0.3276	
132 Phenanthrene	178	8.769	8.769	0.000	93	38980	0.2500	0.2309	
135 Anthracene	178	8.815	8.816	-0.001	98	39232	0.2500	0.2323	
136 Carbazole	167	8.979	8.973	0.006	96	30742	0.2500	0.2120	
137 Methyl parathion	109	9.113	9.113	0.000	85	8587	0.2500	0.2126	
138 Di-n-butyl phthalate	149	9.318	9.324	-0.006	99	39311	0.2500	0.2227	
139 Ethyl Parathion	109	9.487	9.487	0.000	79	4807	0.2500	0.1951	
140 4-Nitroquinoline-1-oxide	190	9.510	9.510	0.000	74	2818	0.2500	0.2046	
S 68 Diallate	86				0		0.2500	0.3019	
142 Octachlorostyrene	308	9.715	9.721	-0.006	76	2882	0.2500	0.1498	
143 Isodrin	193	9.756	9.761	-0.005	79	6527	0.2500	0.2740	
144 Fluoranthene	202	9.902	9.902	0.000	97	45340	0.2500	0.2392	
145 Benzidine	184	10.042	10.042	0.000	99	55893	0.7500	0.5201	
* 146 Pyrene-d10 (IS)	212	10.100	10.100	0.000	98	806600	5.00	5.00	
147 Pyrene	202	10.118	10.118	0.000	97	51310	0.2500	0.2655	
$ 148 p-Terphenyl-d14	244	10.281	10.281	0.000	99	63855	0.5000	0.4874	
149 p-Dimethylamino azobenzene	225	10.421	10.421	0.000	86	5245	0.2500	0.2080	
150 Chlorobenzilate	139	10.474	10.474	0.000	85	10692	0.2500	0.2196	
151 Famphur	218		10.474				ND	ND	
152 3,3'-Dimethylbenzidine	212	10.777	10.777	0.000	97	18153	0.2500	0.2189	
153 Butyl benzyl phthalate	149	10.801	10.801	0.000	86	14860	0.2500	0.2114	
155 2-Acetylaminofluorene	181	11.052	11.052	0.000	88	8961	0.2500	0.1611	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		0.2500	0.2241	
157 3,3'-Dichlorobenzidine	252	11.391	11.391	-0.001	74	14595	0.2500	0.2156	
158 4,4'-Methylene bis(2-chloroanil	231	11.396	11.396	0.000	65	6625	0.2500	0.2098	
156 Benzo[a]anthracene	228	11.402	11.402	0.000	97	34790	0.2500	0.2062	
159 Chrysene	228	11.443	11.443	0.000	92	38137	0.2500	0.2393	
160 Bis(2-ethylhexyl) phthalate	149	11.484	11.484	0.000	93	23702	0.2500	0.2373	
S 103 Aramite, Total	185		11.583				0.2500	ND	
161 6-Methylchrysene	242	12.021	12.021	0.000	93	23842	0.2500	0.2245	
162 Di-n-octyl phthalate	149	12.360	12.360	0.000	97	27002	0.2500	0.1771	
163 7,12-Dimethylbenz(a)anthracene	256	12.815	12.821	-0.006	69	15366	0.2500	0.2536	
164 Benzo[b]fluoranthene	252	12.821	12.821	0.000	94	37012	0.2500	0.2356	
165 Benzo[k]fluoranthene	252	12.856	12.856	0.000	98	39820	0.2500	0.2463	
166 Benzo[a]pyrene	252	13.282	13.282	0.000	77	33465	0.2500	0.2249	
* 167 Perylene-d12	264	13.364	13.364	0.000	99	653641	5.00	5.00	
168 3-Methylcholanthrene	268	13.802	13.808	-0.006	89	22214	0.2500	0.3125	
169 Dibenz[a,h]acridine	279	14.596	14.596	0.000	90	26596	0.2500	0.2320	
170 Dibenz[a,j]acridine	279	14.666	14.666	0.000	94	28284	0.2500	0.2203	
171 Indeno[1,2,3-cd]pyrene	276	14.894	14.894	0.000	96	36583	0.2500	0.2448	
172 Dibenz(a,h)anthracene	278	14.935	14.935	0.000	92	29035	0.2500	0.2044	
173 Benzo[g,h,i]perylene	276	15.273	15.268	0.005	94	35417	0.2500	0.2319	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_2_00043 Amount Added: 1.00 Units: mL

Report Date: 14-Apr-2025 19:14:03 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1408.D

Injection Date: 14-Apr-2025 13:50:30 Instrument ID: HP23264 Operator ID: CJS101602

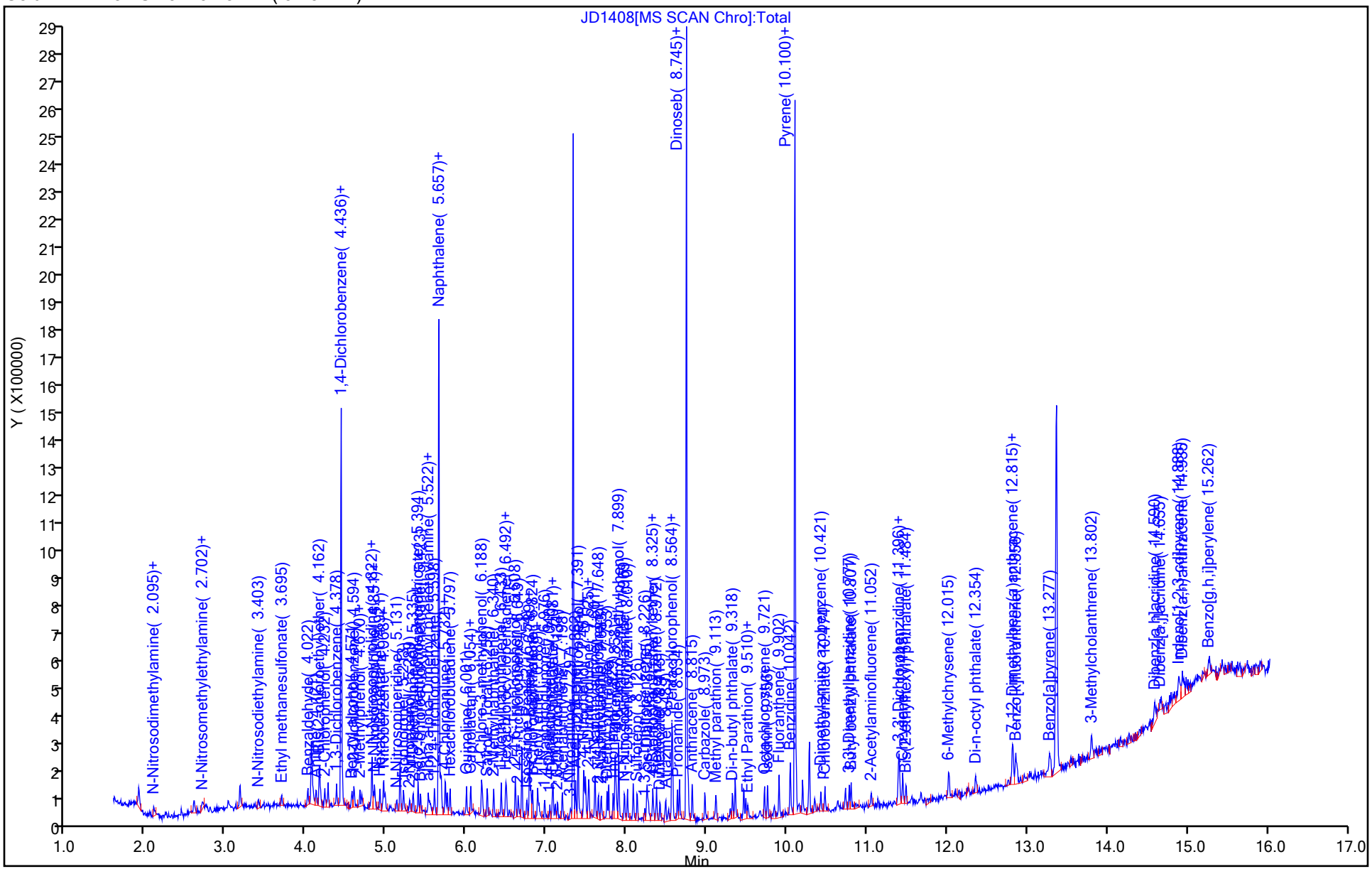
Lims ID: IC L2 Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 8

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

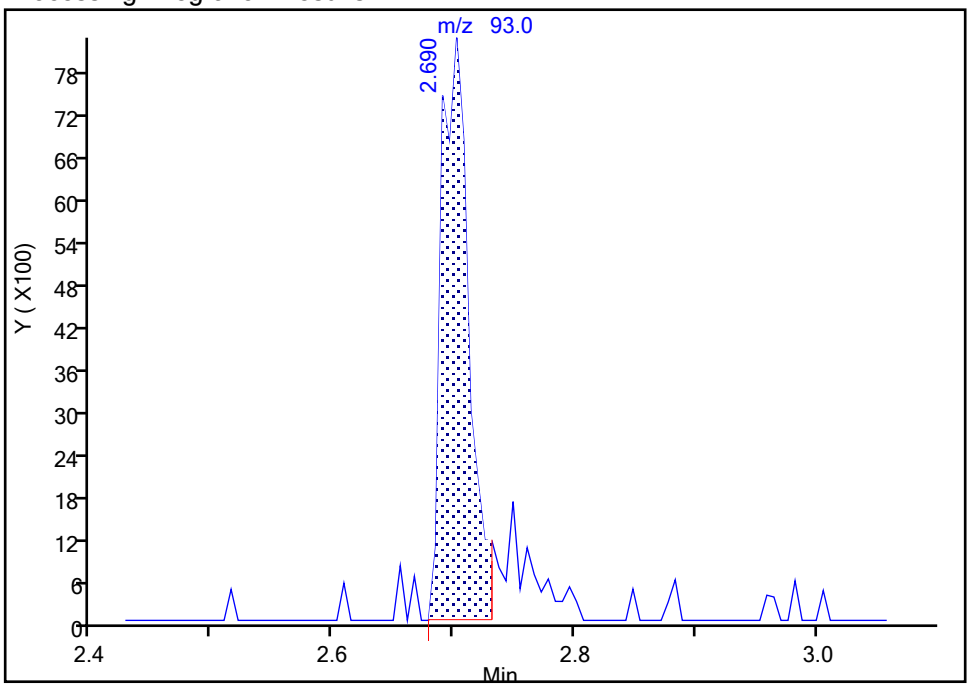
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1408.D				
Injection Date:	14-Apr-2025 13:50:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

5 2-Picoline, CAS: 109-06-8

Signal: 1

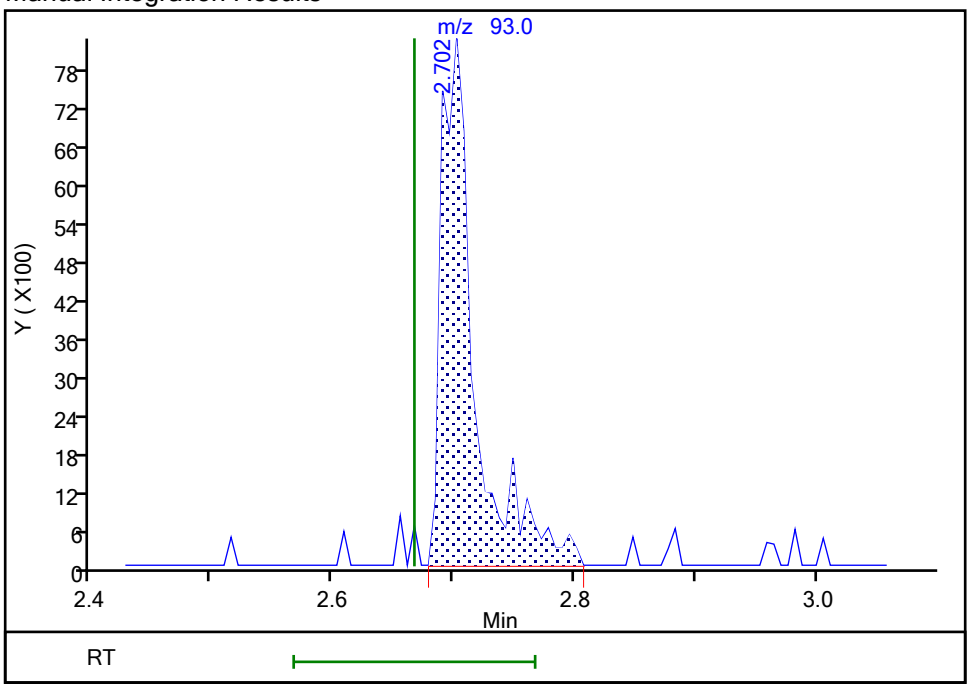
Processing Integration Results

RT: 2.69
Area: 12980
Amount: 0.208051
Amount Units: ug/ml



Manual Integration Results

RT: 2.70
Area: 15772
Amount: 0.247270
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:30:27 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

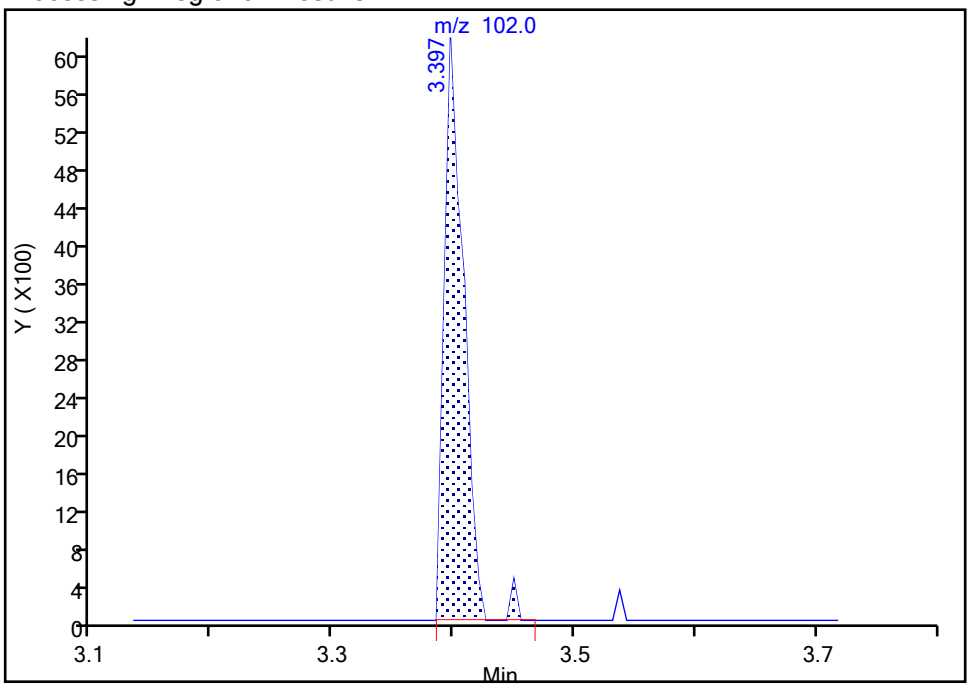
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1408.D				
Injection Date:	14-Apr-2025 13:50:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

11 N-Nitrosodiethylamine, CAS: 55-18-5

Signal: 1

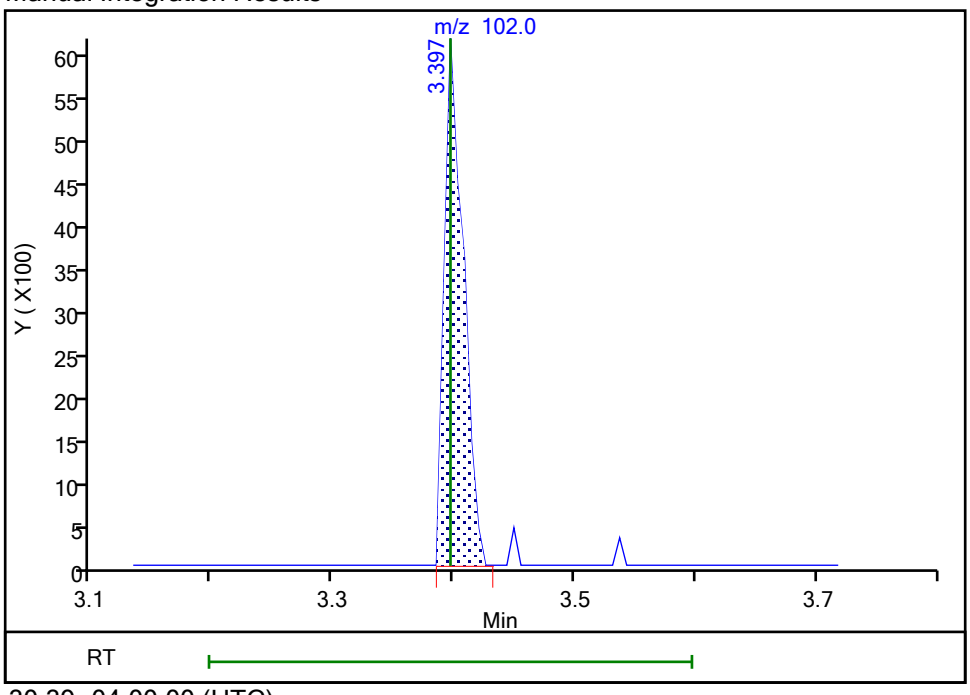
Processing Integration Results

RT: 3.40
Area: 6919
Amount: 0.269849
Amount Units: ug/ml



Manual Integration Results

RT: 3.40
Area: 6765
Amount: 0.264638
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:30:39 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

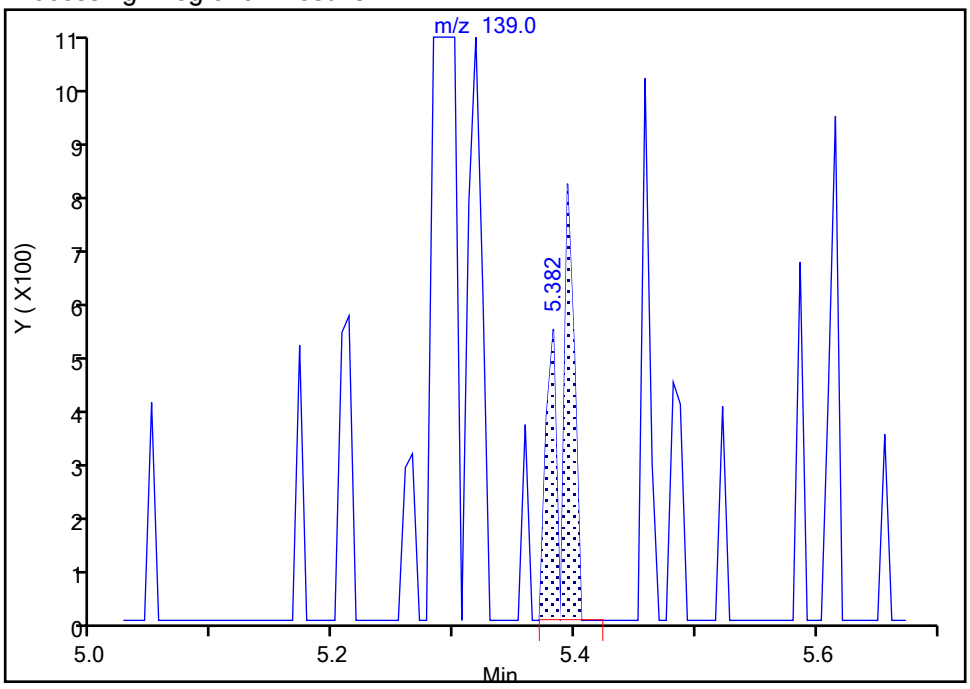
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1408.D				
Injection Date:	14-Apr-2025 13:50:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

43 2-Nitrophenol, CAS: 88-75-5

Signal: 1

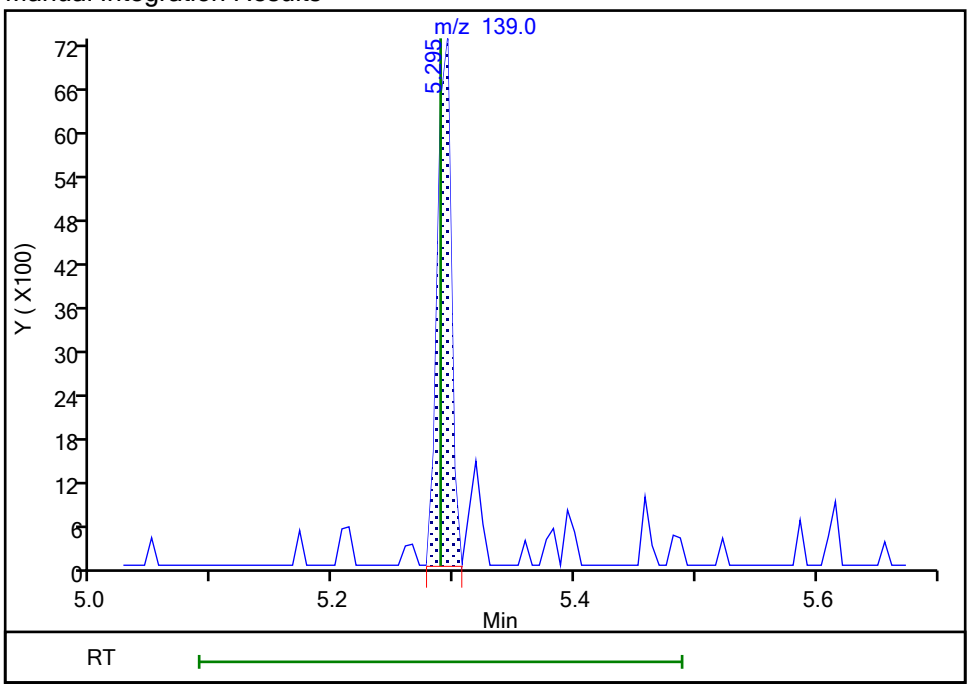
Processing Integration Results

RT: 5.38
Area: 732
Amount: 0.033893
Amount Units: ug/ml



Manual Integration Results

RT: 5.29
Area: 5804
Amount: 0.240499
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:31:09 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

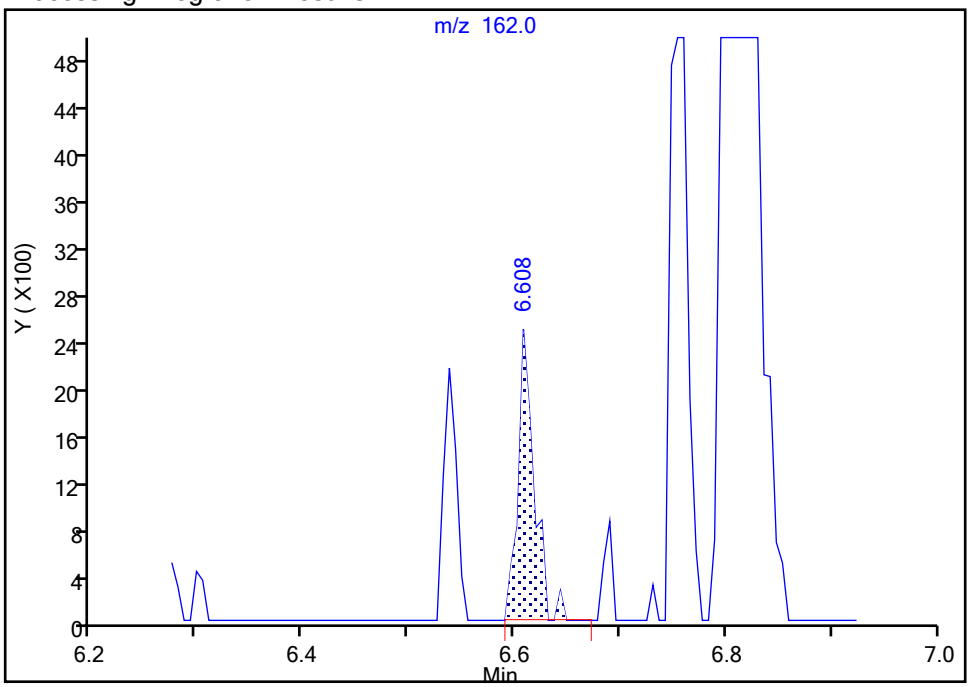
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1408.D				
Injection Date:	14-Apr-2025 13:50:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

72 Isosafrole Peak 1, CAS: STL03315

Signal: 1

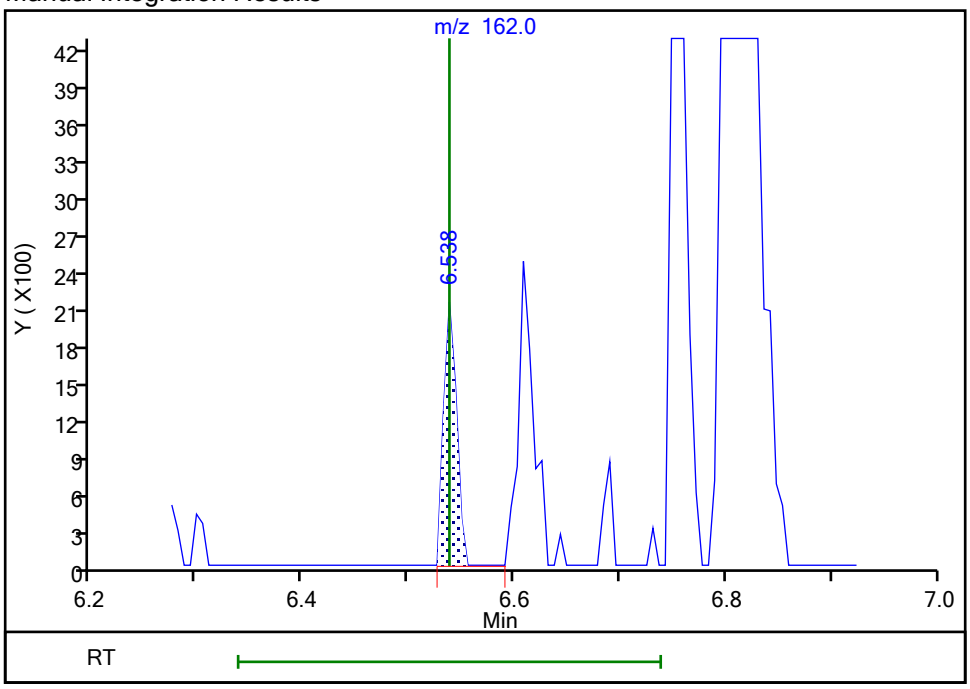
Processing Integration Results

RT: 6.61
Area: 2595
Amount: 0.050272
Amount Units: ug/ml



Manual Integration Results

RT: 6.54
Area: 1821
Amount: 0.045243
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:31:41 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

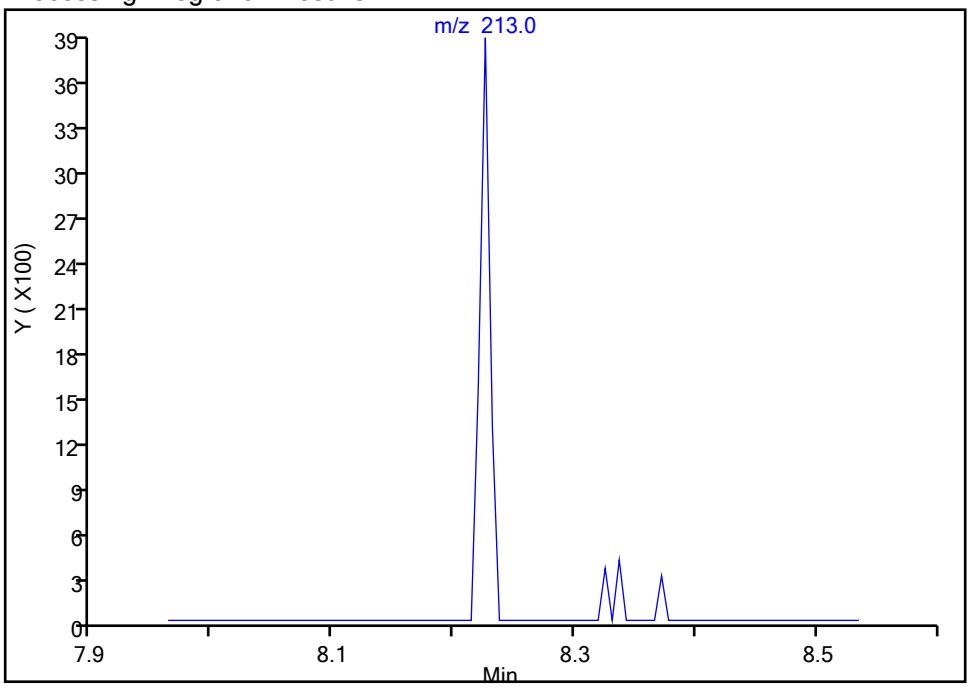
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1408.D				
Injection Date:	14-Apr-2025 13:50:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

118 1,3,5-Trinitrobenzene, CAS: 99-35-4

Signal: 1

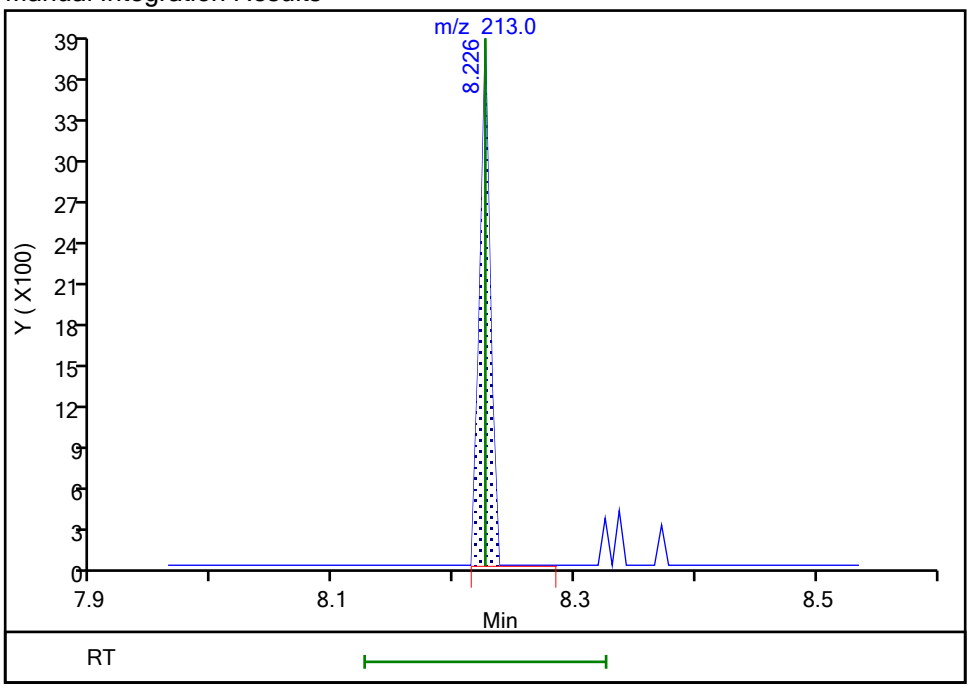
Not Detected
Expected RT: 8.23

Processing Integration Results



Manual Integration Results

RT: 8.23
Area: 2359
Amount: 0.238248
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:32:13 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

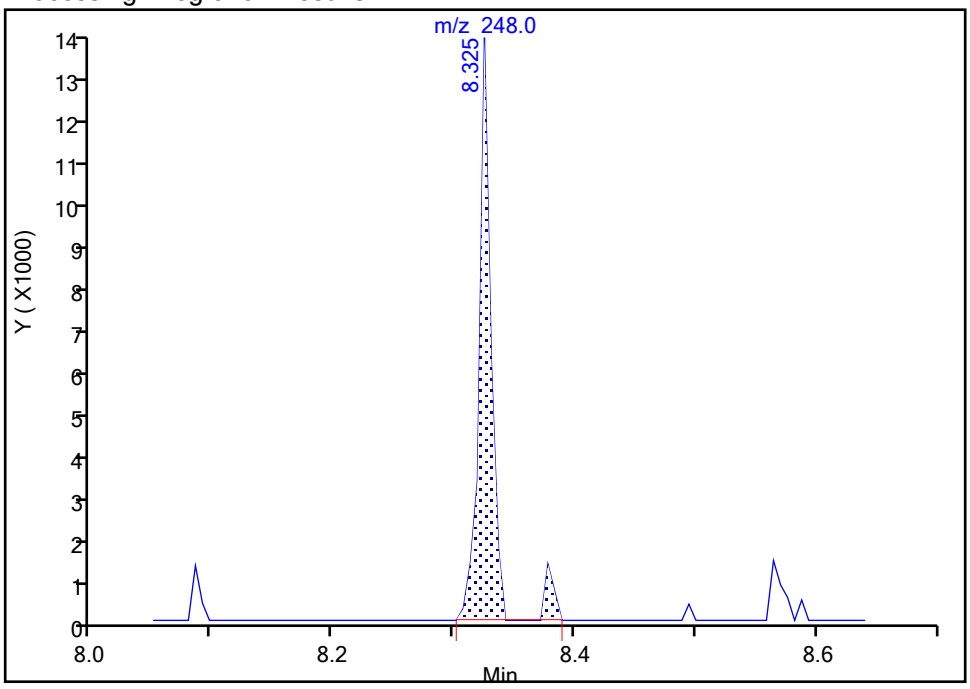
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1408.D				
Injection Date:	14-Apr-2025 13:50:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

122 4-Bromophenyl phenyl ether, CAS: 101-55-3

Signal: 1

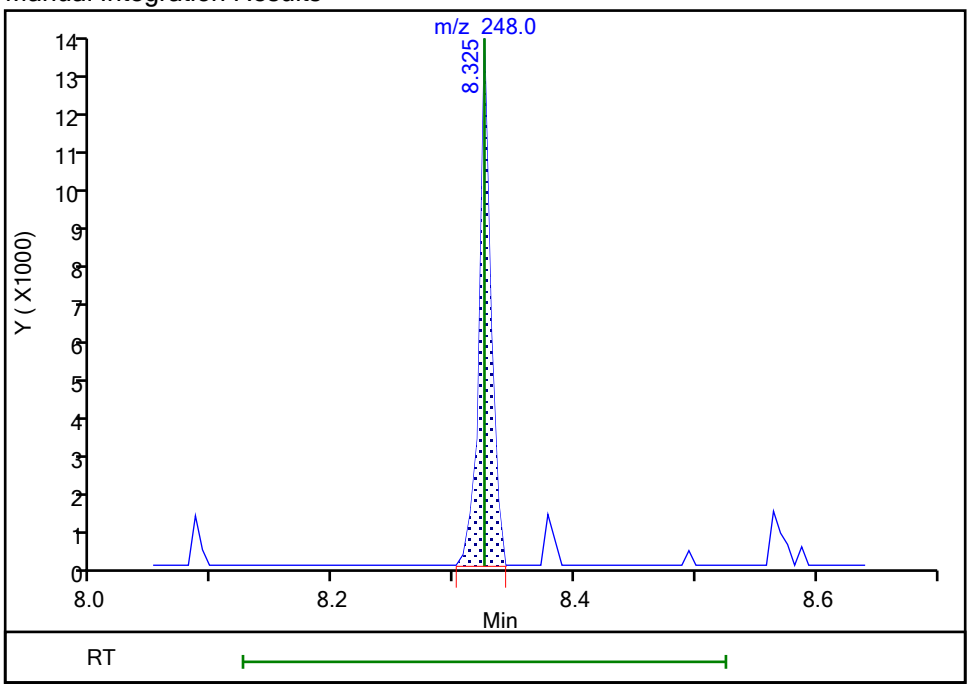
Processing Integration Results

RT: 8.33
Area: 9864
Amount: 0.244856
Amount Units: ug/ml



Manual Integration Results

RT: 8.33
Area: 9174
Amount: 0.229695
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:32:41 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

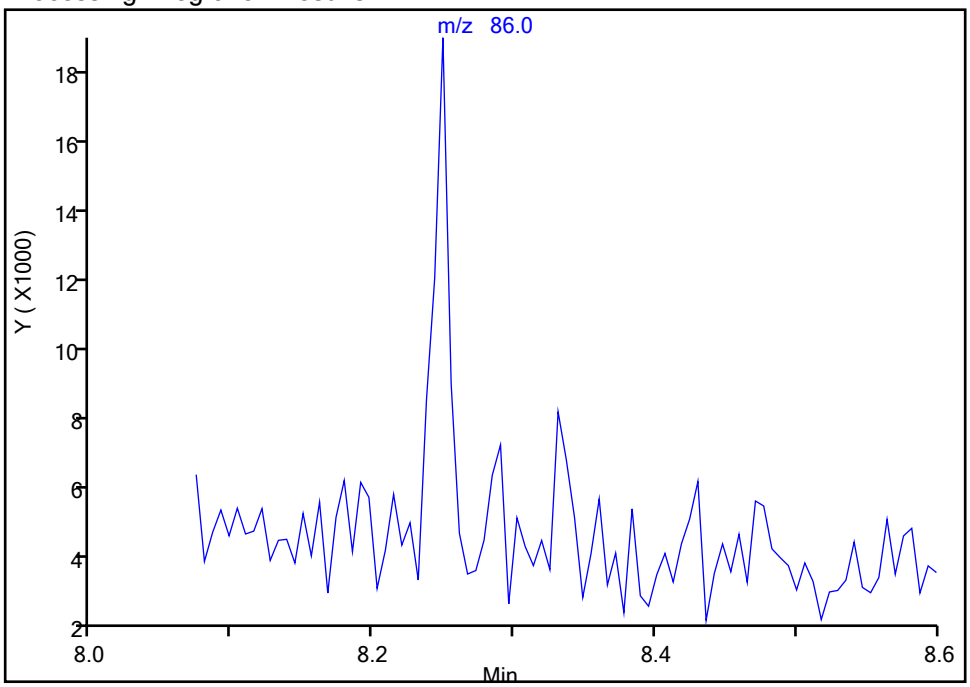
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1408.D				
Injection Date:	14-Apr-2025 13:50:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

123 trans-Diallate, CAS: 17708-58-6

Signal: 1

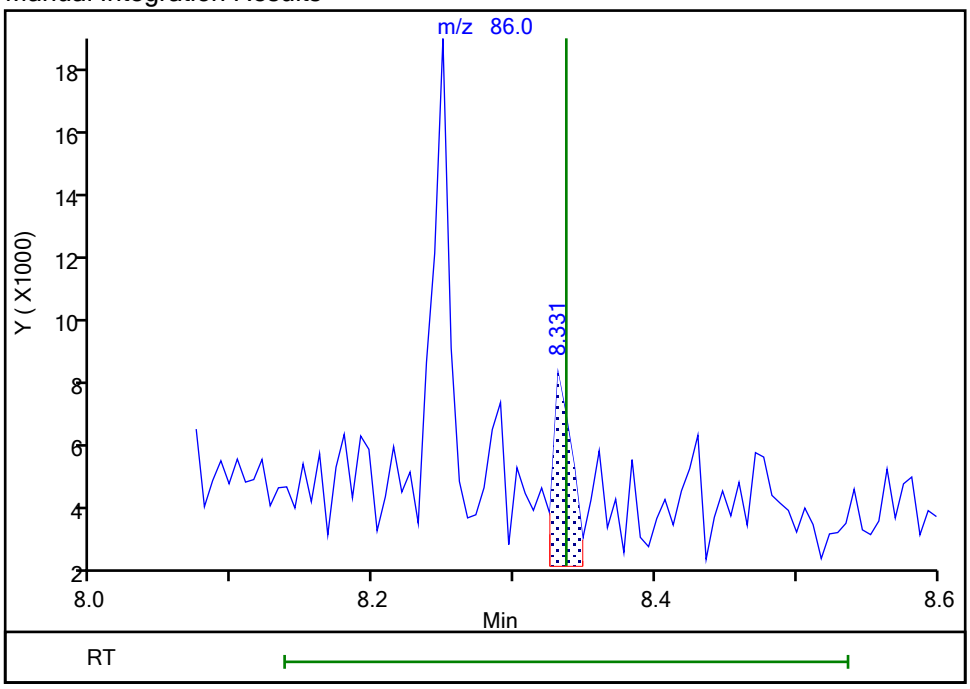
Not Detected
Expected RT: 8.34

Processing Integration Results



Manual Integration Results

RT: 8.33
Area: 4970
Amount: 0.077448
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:32:25 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

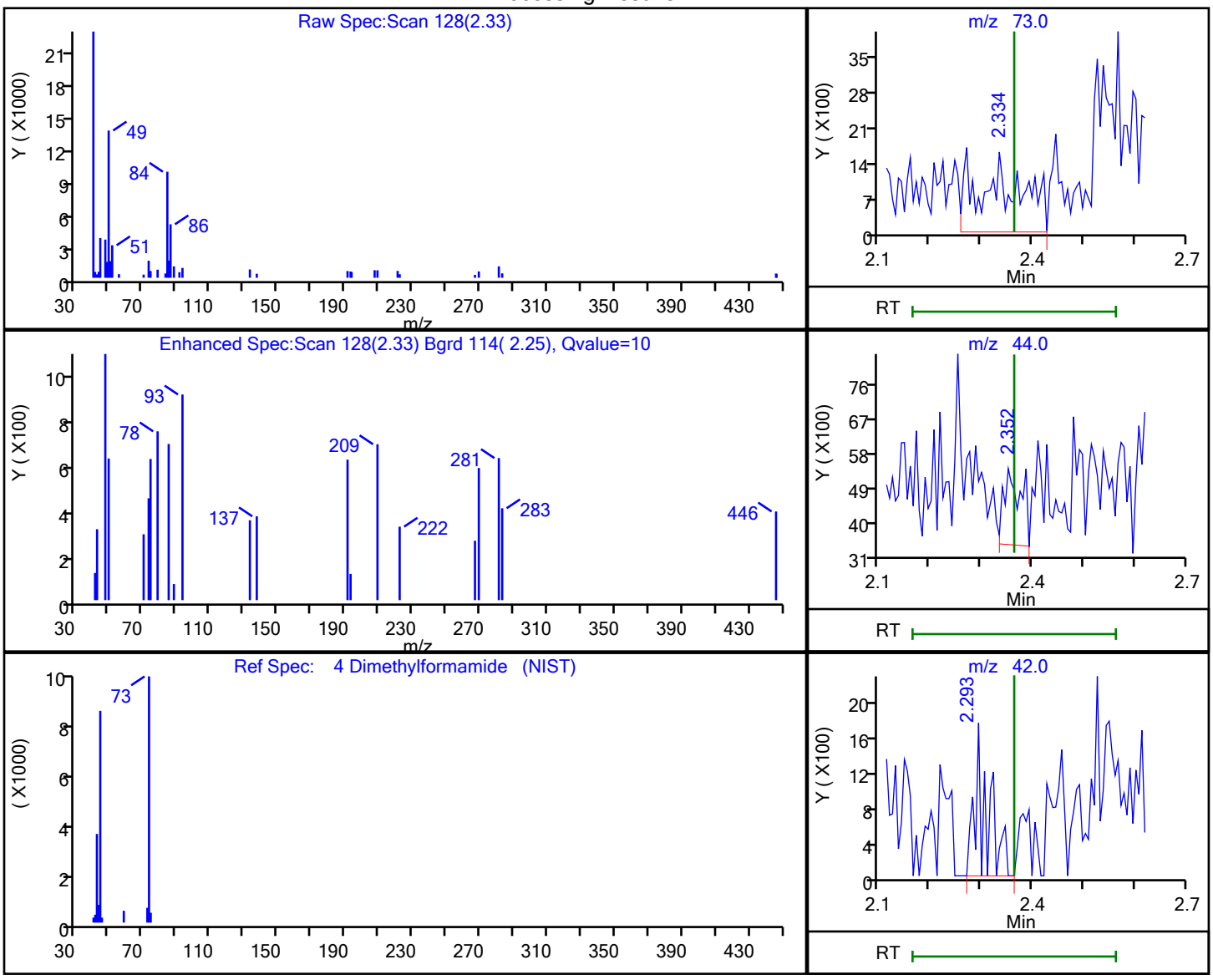
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1408.D				
Injection Date:	14-Apr-2025 13:50:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

4 Dimethylformamide, CAS: 68-12-2

Processing Results



RT	Mass	Response	Amount
2.33	73.00	8048	0.249257
2.35	44.00	4695	
2.29	42.00	2807	

Reviewer: N5QU, 14-Apr-2025 15:29:58 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Apr-2025 14:11:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0143944-009
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 19:14:56 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: N5QU Date: 14-Apr-2025 15:37:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88		1.779				ND	ND	U
2 N-Nitrosodimethylamine	74	2.060	2.007	0.053	55	6400	0.1250	0.1220	
3 Pyridine	79	2.112	2.054	0.058	86	20608	0.2500	0.2488	
4 Dimethylformamide	73		2.363				ND	ND	U
5 2-Picoline	93	2.702	2.667	0.035	46	10049	0.1250	0.1257	
6 N-Nitrosomethylethylamine	88		2.737				ND	ND	U
7 Methyl methanesulfonate	80	3.029	3.017	0.012	51	7865	0.1250	0.1503	
$ 9 2-Fluorophenol	112	3.175	3.169	0.006	88	16502	0.2500	0.2572	
11 N-Nitrosodiethylamine	102	3.403	3.397	0.006	24	4521	0.1250	0.1411	
12 Ethyl methanesulfonate	109	3.695	3.689	0.006	85	4434	0.1250	0.1281	
13 Benzaldehyde	77	4.022	4.016	0.006	82	12004	0.1250	0.1551	
$ 15 Phenol-d5	99	4.074	4.068	0.006	92	18648	0.2500	0.2056	
16 Phenol	94	4.092	4.080	0.012	88	9058	0.1250	0.1026	
17 Aniline	93	4.127	4.115	0.012	91	14342	0.1250	0.1180	
18 Bis(2-chloroethyl)ether	93	4.179	4.179	0.000	89	8953	0.1250	0.1183	
19 2-Chlorophenol	128	4.232	4.232	0.000	74	6527	0.1250	0.1109	
21 1,3-Dichlorobenzene	146	4.378	4.378	0.000	85	8510	0.1250	0.1250	
* 22 1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	97	226180	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.454	4.454	0.000	80	10045	0.1250	0.1378	
26 Benzyl alcohol	108	4.571	4.565	0.006	75	5554	0.1250	0.1265	
27 1,2-Dichlorobenzene	146	4.594	4.594	0.000	89	9256	0.1250	0.1373	
29 2-Methylphenol	108	4.670	4.670	0.000	58	6924	0.1250	0.1163	
30 2,2'-oxybis[1-chloropropane]	45	4.699	4.693	0.006	86	10051	0.1250	0.1092	
31 N-Nitrosopyrrolidine	100	4.804	4.798	0.006	89	4968	0.1250	0.1356	
34 4-Methylphenol	108	4.822	4.822	0.000	57	9392	0.1250	0.1406	
32 Acetophenone	105	4.822	4.822	0.000	78	13660	0.1250	0.1227	
33 N-Nitrosodi-n-propylamine	70	4.822	4.822	0.000	66	8988	0.1250	0.1304	
35 N-Nitrosomorpholine	56	4.845	4.839	0.006	43	6987	0.1250	0.1442	
36 2-Toluidine	106	4.851	4.851	0.000	89	13519	0.1250	0.1269	
37 Hexachloroethane	117	4.921	4.921	0.000	79	4482	0.1250	0.1344	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.968	4.968	0.000	89	25527	0.2500	0.2495	
40 Nitrobenzene	77	4.985	4.985	0.000	86	12649	0.1250	0.1260	
41 N-Nitrosopiperidine	114	5.131	5.131	0.000	78	4293	0.1250	0.1350	
42 Isophorone	82	5.213	5.213	0.000	96	21260	0.1250	0.1249	
43 2-Nitrophenol	139	5.295	5.289	0.006	42	3357	0.1250	0.1106	
44 2,4-Dimethylphenol	107	5.336	5.330	0.006	87	7321	0.1250	0.1026	
46 o,o',o''-Triethylphosphorothioat	198	5.394	5.400	-0.006	85	6314	0.1250	0.1930	
47 Bis(2-chloroethoxy)methane	93	5.423	5.423	0.000	73	12391	0.1250	0.1225	
54 alpha,alpha-Dimethyl phenethylam	58	5.540	5.505	0.035	96	20280	0.1250	0.2447	
49 2,4-Dichlorophenol	162	5.522	5.522	0.000	85	6703	0.1250	0.1292	
50 1,2,4-Trichlorobenzene	180	5.598	5.598	0.000	84	7784	0.1250	0.1200	
* 52 Naphthalene-d8	136	5.657	5.657	0.000	99	821100	5.00	5.00	
53 Naphthalene	128	5.674	5.674	0.000	94	21642	0.1250	0.1241	
55 Alpha-Terpineol	59	5.686	5.686	0.000	45	8463	0.1250	0.1321	
56 4-Chloroaniline	127	5.733	5.727	0.006	84	7775	0.1250	0.1072	
57 2,6-Dichlorophenol	162	5.733	5.738	-0.005	78	6009	0.1250	0.1162	
58 Hexachloropropene	213	5.762	5.762	0.000	77	5286	0.1250	0.1037	
59 Hexachlorobutadiene	225	5.797	5.797	0.000	86	7292	0.1250	0.1461	
61 Quinoline	129	6.001	5.995	0.006	91	14452	0.1250	0.1270	
62 Caprolactam	113	6.054	6.048	0.006	48	1877	0.1250	0.1260	
63 N-Nitrosodi-n-butylamine	84	6.054	6.054	0.000	83	21759	0.1250	0.2992	
64 p-Phenylene diamine	108	6.089	6.071	0.018	1	2781	0.1250	0.0428	
65 4-Chloro-3-methylphenol	107	6.200	6.200	0.000	84	8452	0.1250	0.1313	
66 Safrole, Total	162	6.258	6.258	0.000	84	5926	0.1250	0.1305	
67 2-Methylnaphthalene	142	6.340	6.340	0.000	92	14449	0.1250	0.1365	
69 1-Methylnaphthalene	142	6.433	6.433	0.000	94	15255	0.1250	0.1363	
71 Hexachlorocyclopentadiene	237	6.492	6.486	0.006	59	6472	0.1250	0.1092	
70 1,2,4,5-Tetrachlorobenzene	216	6.498	6.497	0.001	91	9443	0.1250	0.1263	
S 24 Dinitrotoluene	165				0		0.2500	0.2073	
72 Isosafrole Peak 1	162	6.533	6.538	-0.005	1	675	0.0200	0.0143	a
79 2,4,6-Trichlorophenol	196	6.608	6.608	0.000	79	4402	0.1250	0.1069	
80 2,4,5-Trichlorophenol	196	6.649	6.643	0.006	72	3713	0.1250	0.0774	
$ 81 2-Fluorobiphenyl (Surr)	172	6.690	6.690	0.000	97	33023	0.2500	0.2307	
82 Isosafrole Peak 2	162	6.754	6.754	0.000	80	6140	0.1050	0.1168	
83 1,1'-Biphenyl	154	6.784	6.784	0.000	93	16853	0.1250	0.1159	
84 2-Chloronaphthalene	162	6.801	6.801	0.000	89	14433	0.1250	0.1278	
85 1-Chloronaphthalene	162	6.824	6.824	0.000	93	16313	0.1250	0.1479	
86 Phenyl ether	170	6.889	6.889	0.000	81	9839	0.1250	0.1186	
87 2-Nitroaniline	138	6.906	6.906	0.000	41	4326	0.1250	0.1299	
88 1,4-Naphthoquinone	158	6.976	6.976	0.000	91	6672	0.1250	0.1414	
89 1,4-Dinitrobenzene	168	7.035	7.040	-0.005	14	1627	0.1250	0.0978	
90 Dimethyl phthalate	163	7.081	7.081	0.000	94	16355	0.1250	0.1203	
91 1,3-Dinitrobenzene	168	7.111	7.105	0.006	50	2090	0.1250	0.1072	
92 2,6-Dinitrotoluene	165	7.134	7.134	0.000	21	2964	0.1250	0.0996	a
93 Acenaphthylene	152	7.198	7.198	0.000	98	21342	0.1250	0.1234	
95 3-Nitroaniline	138	7.297	7.297	0.000	32	4193	0.1250	0.1401	a
* 96 Acenaphthene-d10	164	7.332	7.332	0.000	95	496721	5.00	5.00	
97 Acenaphthene	153	7.362	7.362	0.000	95	15563	0.1250	0.1304	
98 2,4-Dinitrophenol	184	7.397	7.397	0.000	74	16281	1.25	0.8735	
100 4-Nitrophenol	109	7.467	7.461	0.006	90	14913	0.7500	0.5956	
99 Pentachlorobenzene	250	7.484	7.490	-0.006	82	8051	0.1250	0.1227	
102 2,4-Dinitrotoluene	165	7.519	7.519	0.000	59	4358	0.1250	0.1077	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.525	7.531	-0.006	92	19647	0.1250	0.1156	
104 1-Naphthylamine	143	7.601	7.601	0.000	94	13838	0.1250	0.1266	
105 2,3,4,6-Tetrachlorophenol	232	7.642	7.648	-0.006	72	5803	0.1250	0.1329	
106 2-Naphthylamine	143	7.683	7.677	0.006	86	11312	0.1250	0.1072	
107 Diethyl phthalate	149	7.753	7.759	-0.006	95	17638	0.1250	0.1262	
109 Thionazin	107	7.829	7.835	-0.006	51	3117	0.1250	0.1308	
108 Fluorene	166	7.852	7.852	0.000	95	18375	0.1250	0.1385	
110 4-Chlorophenyl phenyl ether	204	7.858	7.858	0.000	87	9101	0.1250	0.1322	
111 N-Nitro-o-toluidine	152	7.870	7.870	0.000	56	4692	0.1250	0.1387	
112 4-Nitroaniline	138	7.876	7.875	0.001	42	1999	0.1250	0.0693	
113 4,6-Dinitro-2-methylphenol	198	7.899	7.905	-0.006	63	13246	0.7500	0.4648	
114 N-Nitrosodiphenylamine	169	7.969	7.969	0.000	65	10847	0.1063	0.0972	
115 1,2-Diphenylhydrazine	77	8.010	8.010	0.000	98	24989	0.1250	0.1241	
$ 116 2,4,6-Tribromophenol	330	8.080	8.086	-0.006	84	6227	0.2500	0.2041	
117 Sulfotepp	97	8.127	8.132	-0.005	71	4830	0.1250	0.1467	
118 1,3,5-Trinitrobenzene	213	8.226	8.226	0.000	66	958	0.1250	0.0798	
120 cis-Diallate	86	8.249	8.249	0.000	56	8887	0.0925	0.1145	
119 Phorate	75	8.255	8.255	0.000	92	16720	0.1250	0.1374	
121 Phenacetin	108	8.267	8.267	0.000	80	7914	0.1250	0.1101	
122 4-Bromophenyl phenyl ether	248	8.325	8.325	0.000	62	7052	0.1250	0.1456	
123 trans-Diallate	86		8.337				ND	ND	
124 Hexachlorobenzene	284	8.372	8.372	0.000	91	8666	0.1250	0.1431	
125 Dimethoate	87	8.413	8.418	-0.005	41	7178	0.1250	0.1127	a
126 Atrazine	200	8.483	8.489	-0.006	76	4195	0.1250	0.1068	
127 Pentachlorophenol	266	8.565	8.564	0.001	89	18258	0.6250	0.5223	
129 4-Aminobiphenyl	169	8.570	8.570	0.000	87	16600	0.1250	0.1159	
128 Pentachloronitrobenzene	237	8.570	8.576	-0.006	51	4192	0.1250	0.1511	
130 Pronamide	173	8.629	8.634	-0.005	85	7229	0.1250	0.1147	
* 131 Phenanthrene-d10	188	8.746	8.745	0.001	97	994797	5.00	5.00	
133 Dinoseb	211	8.740	8.745	-0.005	60	2967	0.1250	0.0851	
134 Disulfoton	88	8.746	8.757	-0.011	55	26992	0.1250	0.2471	
132 Phenanthrene	178	8.769	8.769	0.000	95	24921	0.1250	0.1218	
135 Anthracene	178	8.816	8.816	0.000	94	22691	0.1250	0.1108	
136 Carbazole	167	8.973	8.973	0.000	95	18526	0.1250	0.1054	
137 Methyl parathion	109	9.113	9.113	0.000	80	5693	0.1250	0.1163	
138 Di-n-butyl phthalate	149	9.318	9.324	-0.006	98	23478	0.1250	0.1097	
139 Ethyl Parathion	109	9.487	9.487	0.000	8	4040	0.1250	0.1352	
140 4-Nitroquinoline-1-oxide	190	9.510	9.510	0.000	37	2474	0.1250	0.1481	
S 68 Diallate	86				0		0.1250	0.1145	
142 Octachlorostyrene	308	9.721	9.721	0.000	74	1962	0.1250	0.0841	
143 Isodrin	193	9.762	9.761	0.001	82	4143	0.1250	0.1435	
144 Fluoranthene	202	9.902	9.902	0.000	97	30176	0.1250	0.1313	
145 Benzidine	184	10.042	10.042	0.000	98	34360	0.3750	0.2615	
* 146 Pyrene-d10 (IS)	212	10.100	10.100	0.000	98	986084	5.00	5.00	
147 Pyrene	202	10.118	10.118	0.000	96	26945	0.1250	0.1141	
$ 148 p-Terphenyl-d14	244	10.281	10.281	0.000	98	38013	0.2500	0.2373	
149 p-Dimethylamino azobenzene	225	10.427	10.421	0.006	84	3314	0.1250	0.1075	
150 Chlorobenzilate	139	10.468	10.474	-0.006	79	6312	0.1250	0.1060	
151 Famphur	218		10.474				ND	ND	
152 3,3'-Dimethylbenzidine	212	10.778	10.777	0.001	97	11473	0.1250	0.1132	
153 Butyl benzyl phthalate	149	10.801	10.801	0.000	95	9739	0.1250	0.1133	
155 2-Acetylaminofluorene	181	11.052	11.052	0.000	32	5078	0.1250	0.0747	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		0.1250	0.1311	
157 3,3'-Dichlorobenzidine	252	11.391	11.391	0.000	53	8464	0.1250	0.1023	
158 4,4'-Methylene bis(2-chloroanil	231	11.402	11.396	0.006	62	5473	0.1250	0.1418	
156 Benzo[a]anthracene	228	11.402	11.402	0.000	96	23456	0.1250	0.1137	
159 Chrysene	228	11.443	11.443	0.000	94	19363	0.1250	0.0994	
160 Bis(2-ethylhexyl) phthalate	149	11.484	11.484	0.000	92	12731	0.1250	0.1043	
S 103 Aramite, Total	185		11.583				0.1250	ND	
161 6-Methylchrysene	242	12.021	12.021	0.000	92	13968	0.1250	0.1076	
162 Di-n-octyl phthalate	149	12.360	12.360	0.000	95	17303	0.1250	0.1020	
163 7,12-Dimethylbenz(a)anthracene	256	12.821	12.821	0.000	69	7769	0.1250	0.1152	
164 Benzo[b]fluoranthene	252	12.821	12.821	0.000	94	19924	0.1250	0.1140	
165 Benzo[k]fluoranthene	252	12.856	12.856	0.000	97	22942	0.1250	0.1275	
166 Benzo[a]pyrene	252	13.282	13.282	0.000	78	19769	0.1250	0.1194	
* 167 Perylene-d12	264	13.364	13.364	0.000	99	727332	5.00	5.00	
168 3-Methylcholanthrene	268	13.802	13.808	-0.006	6	9518	0.1250	0.1203	
169 Dibenz[a,h]acridine	279	14.596	14.596	0.000	88	16581	0.1250	0.1300	
170 Dibenz[a,j]acridine	279	14.666	14.666	0.000	86	15772	0.1250	0.1104	
171 Indeno[1,2,3-cd]pyrene	276	14.894	14.894	0.000	95	18673	0.1250	0.1123	
172 Dibenz(a,h)anthracene	278	14.935	14.935	0.000	88	15482	0.1250	0.0979	
173 Benzo[g,h,i]perylene	276	15.256	15.268	-0.012	53	20037	0.1250	0.1179	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_1_00042 Amount Added: 1.00 Units: mL

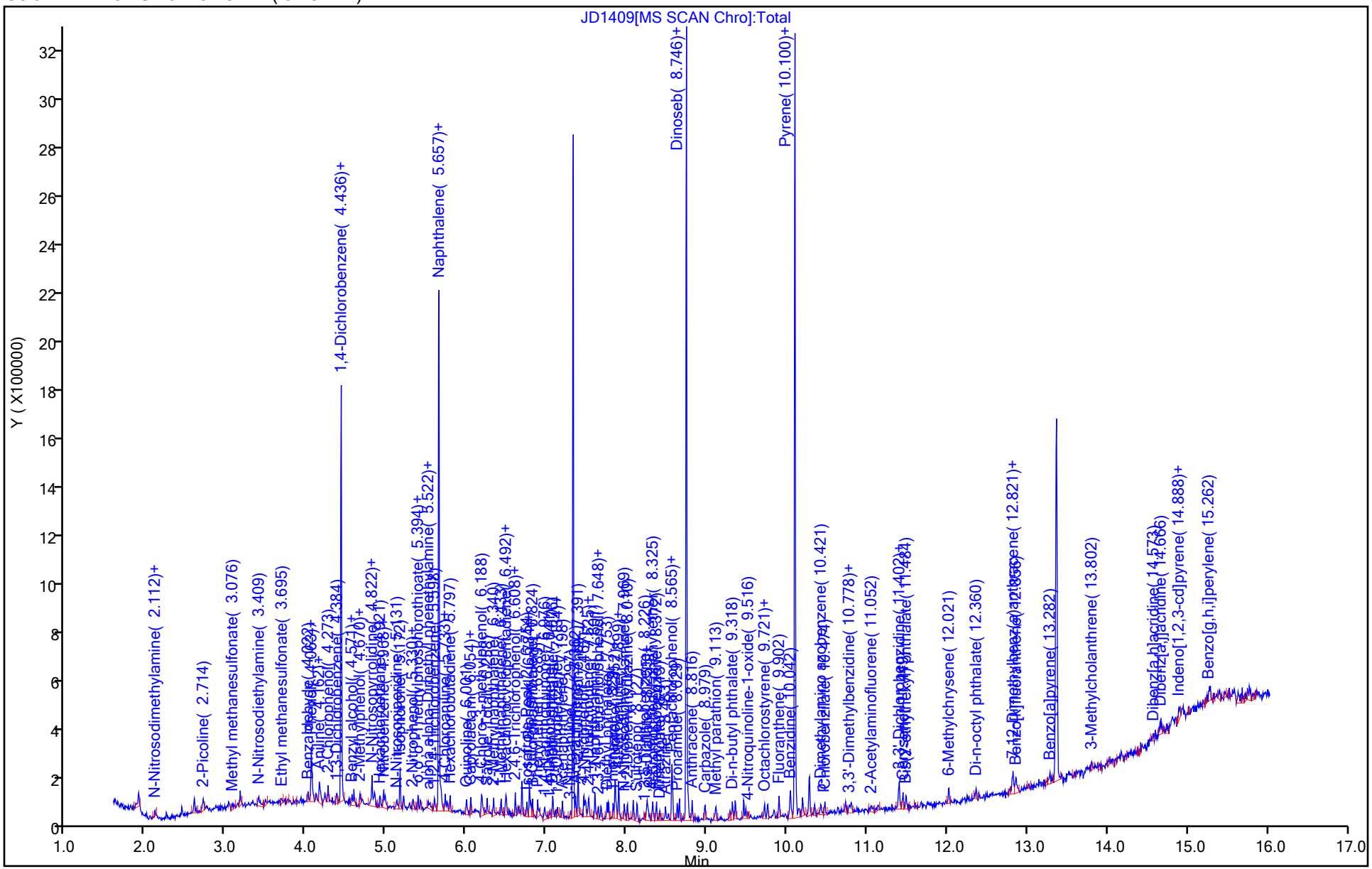
Report Date: 14-Apr-2025 19:15:01 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Injection Date:	14-Apr-2025 14:11:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	IC L1			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

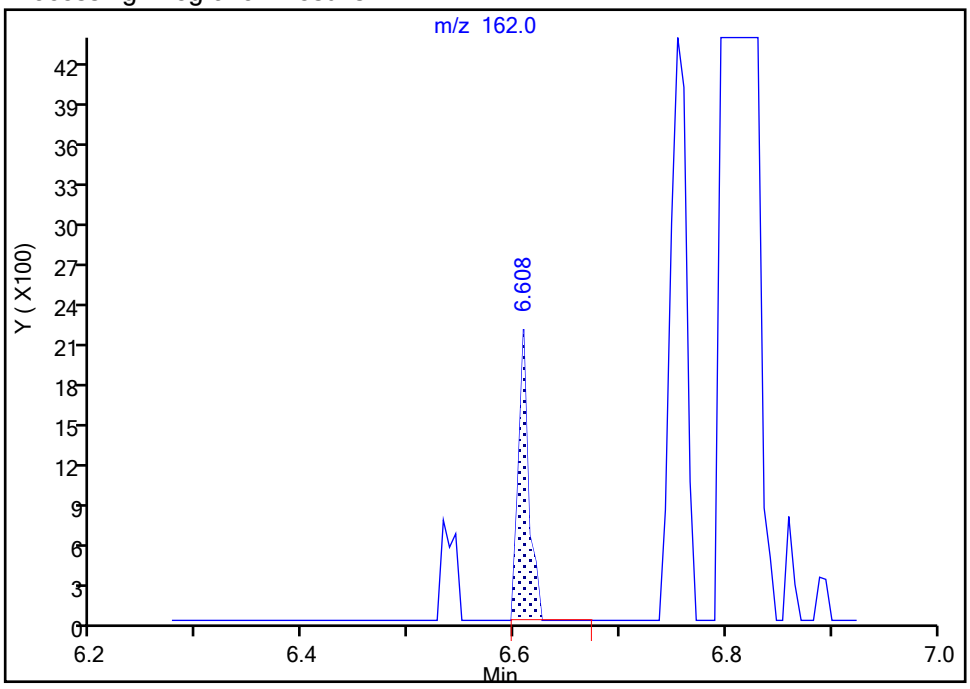
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D
Injection Date: 14-Apr-2025 14:11:30 Instrument ID: HP23264
Lims ID: IC L1
Client ID:
Operator ID: CJS101602 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

72 Isosafrole Peak 1, CAS: STL03315

Signal: 1

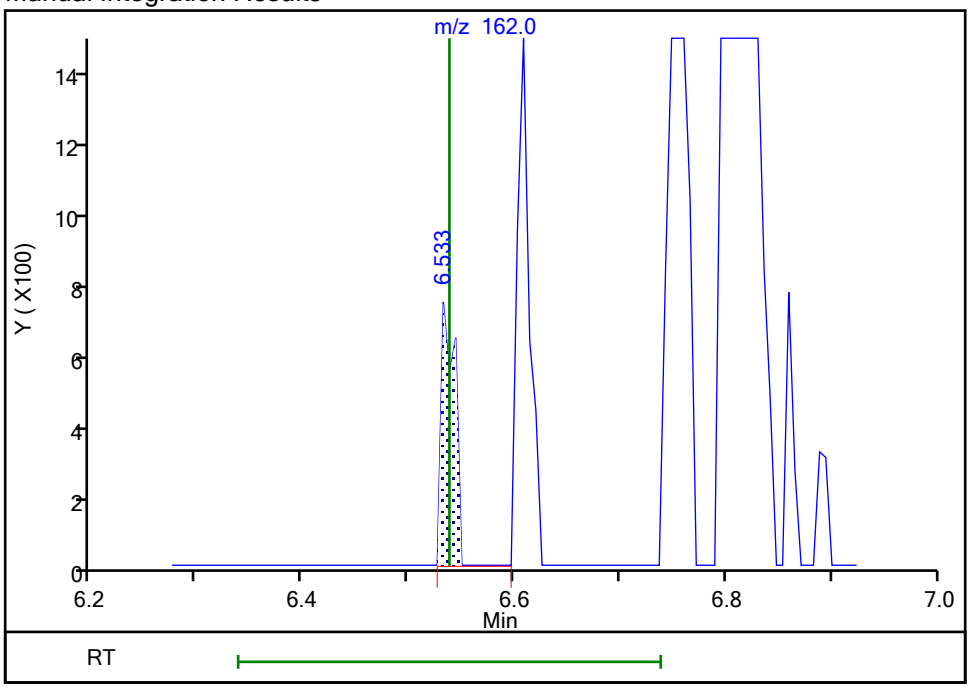
Processing Integration Results

RT: 6.61
Area: 1460
Amount: 0.028039
Amount Units: ug/ml



Manual Integration Results

RT: 6.53
Area: 675
Amount: 0.014312
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:35:29 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

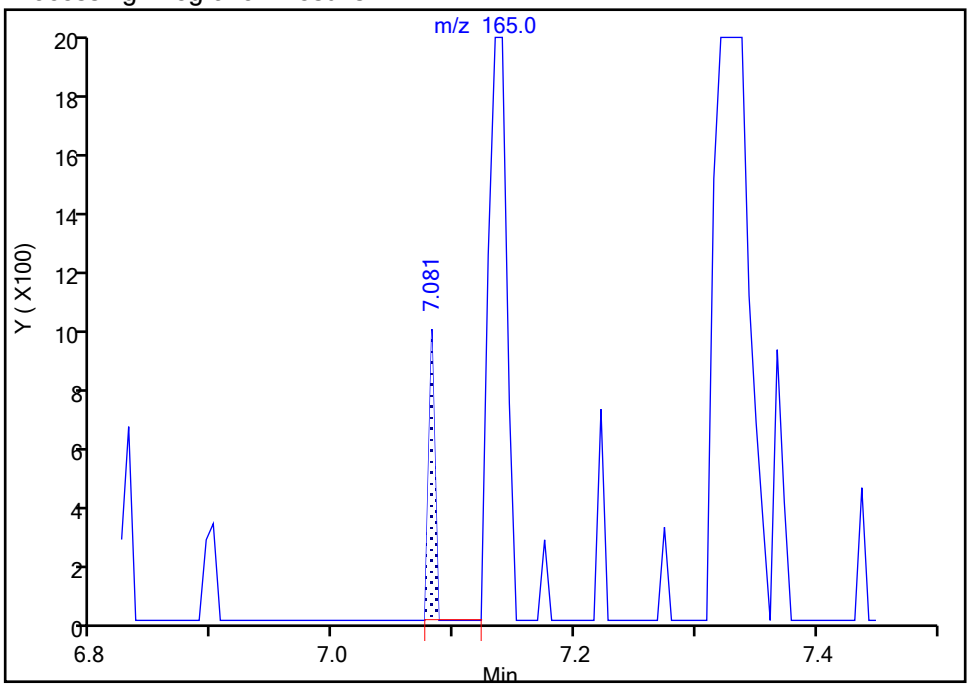
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D				
Injection Date:	14-Apr-2025 14:11:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

92 2,6-Dinitrotoluene, CAS: 606-20-2

Signal: 1

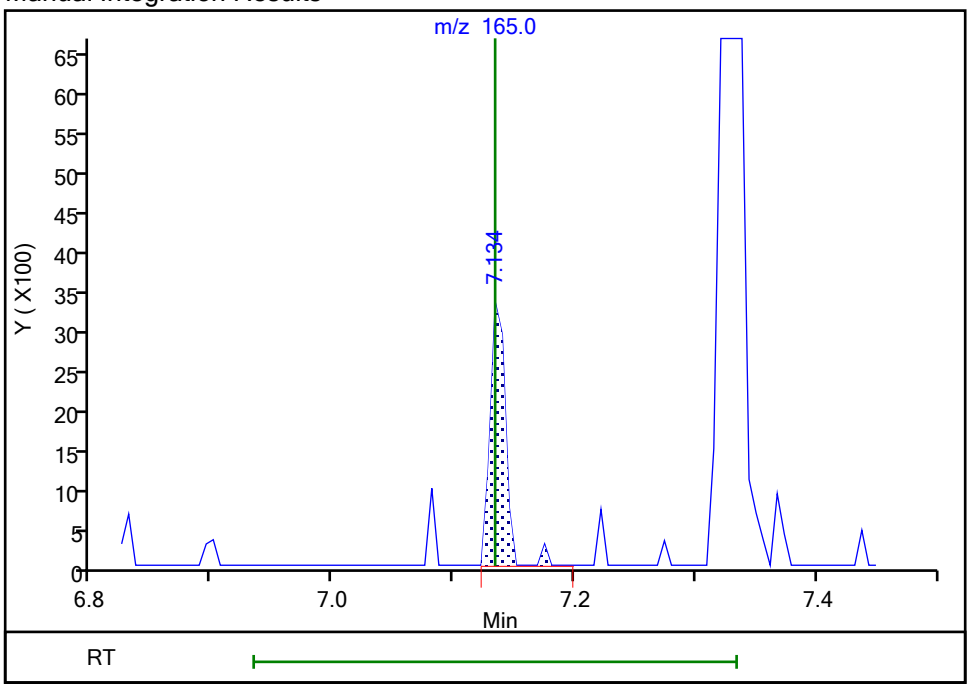
Processing Integration Results

RT: 7.08
Area: 341
Amount: 0.012564
Amount Units: ug/ml



Manual Integration Results

RT: 7.13
Area: 2964
Amount: 0.099586
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:35:56 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

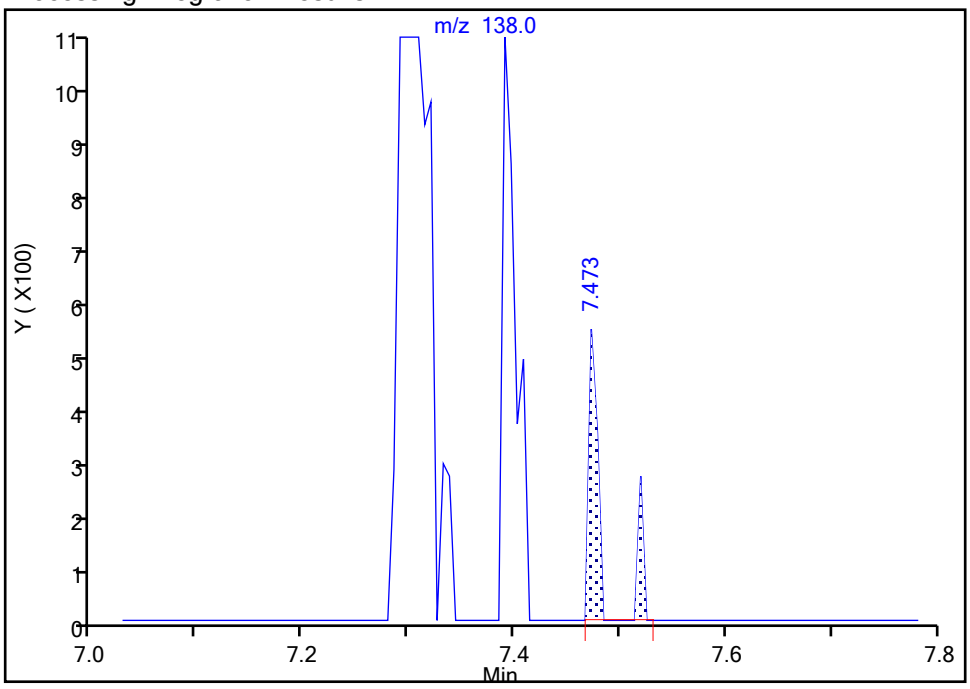
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D				
Injection Date:	14-Apr-2025 14:11:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

95 3-Nitroaniline, CAS: 99-09-2

Signal: 1

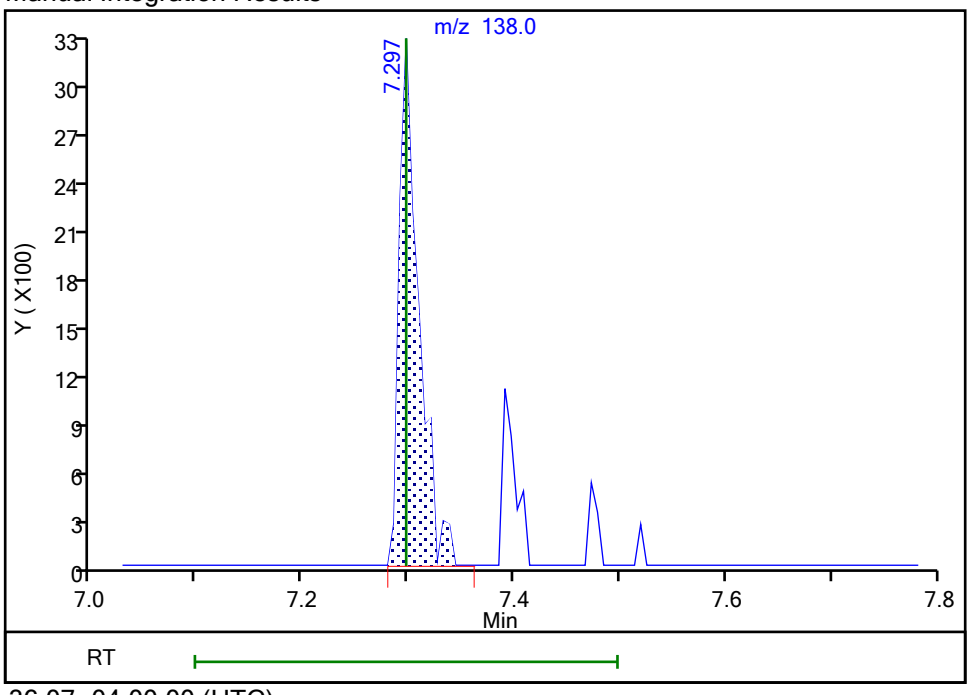
Processing Integration Results

RT: 7.47
Area: 384
Amount: 0.125105
Amount Units: ug/ml



Manual Integration Results

RT: 7.30
Area: 4193
Amount: 0.140063
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:36:07 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

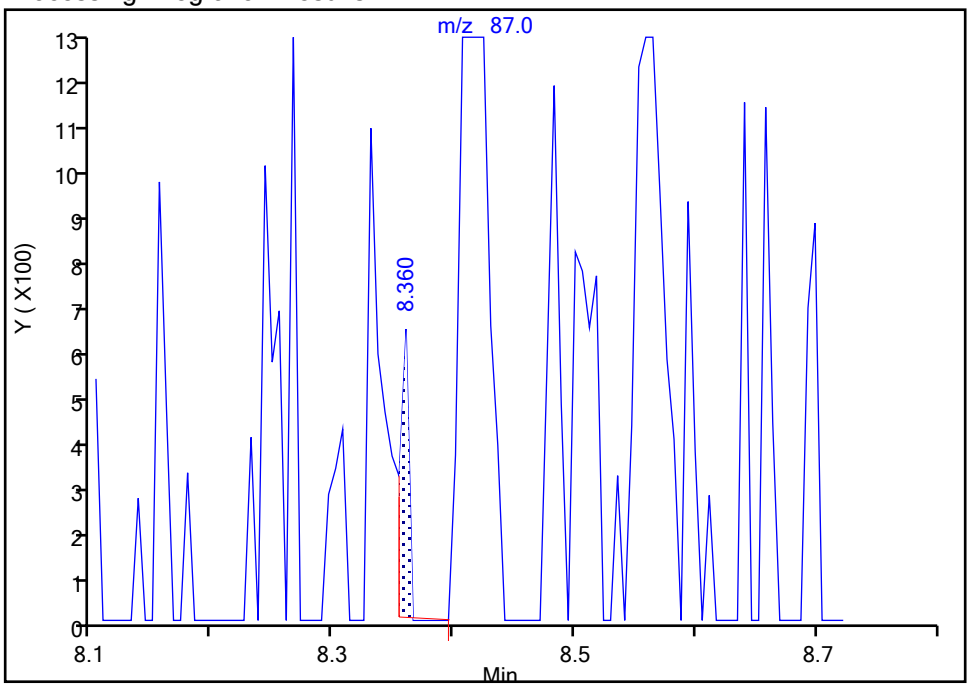
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D				
Injection Date:	14-Apr-2025 14:11:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

125 Dimethoate, CAS: 60-51-5

Signal: 1

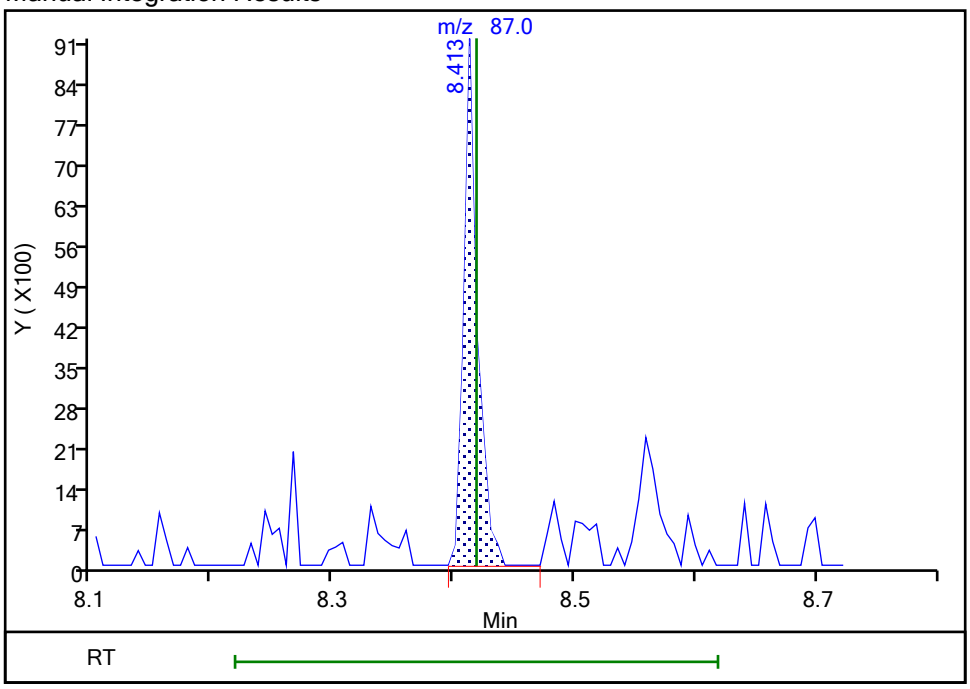
Processing Integration Results

RT: 8.36
Area: 262
Amount: 0.107024
Amount Units: ug/ml



Manual Integration Results

RT: 8.41
Area: 7178
Amount: 0.112712
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:36:55 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

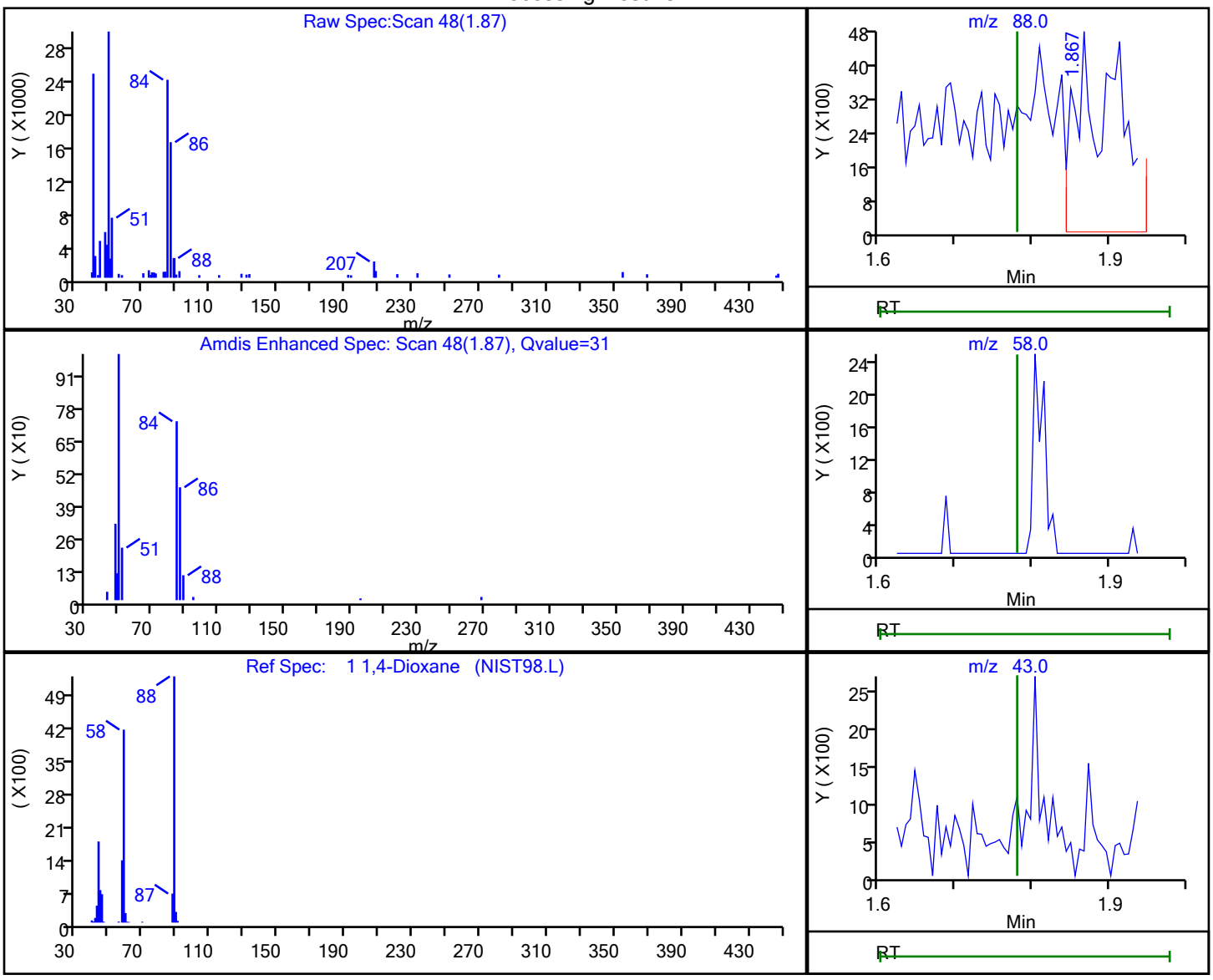
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D				
Injection Date:	14-Apr-2025 14:11:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Processing Results



RT	Mass	Response	Amount
1.87	88.00	17066	0.274765
1.78	58.00	0	
1.78	43.00	0	

Reviewer: N5QU, 14-Apr-2025 15:34:02 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

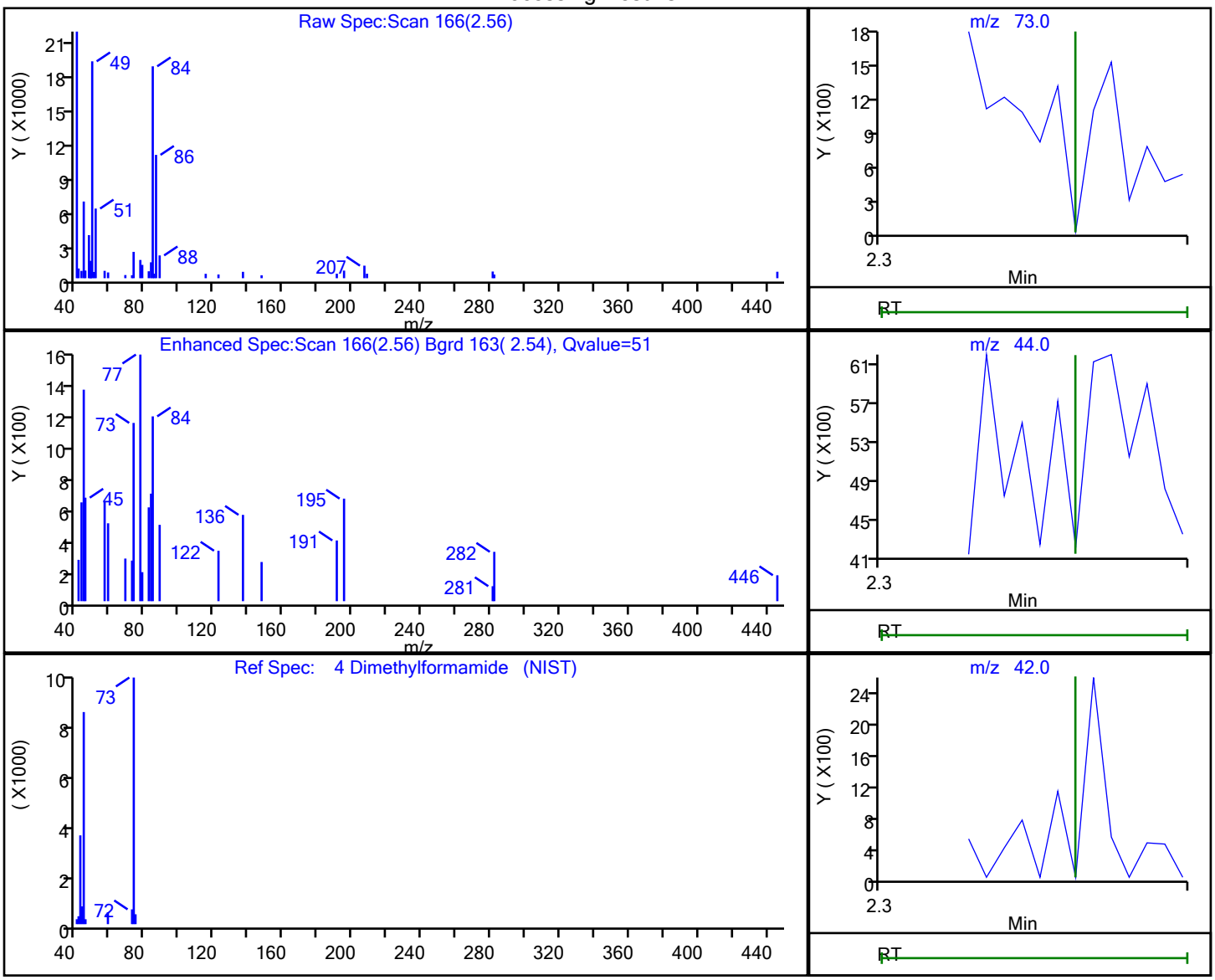
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D				
Injection Date:	14-Apr-2025 14:11:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

4 Dimethylformamide, CAS: 68-12-2

Processing Results



RT	Mass	Response	Amount
2.56	73.00	2056	0.124200
2.36	44.00	0	
2.36	42.00	0	

Reviewer: N5QU, 14-Apr-2025 15:34:07 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

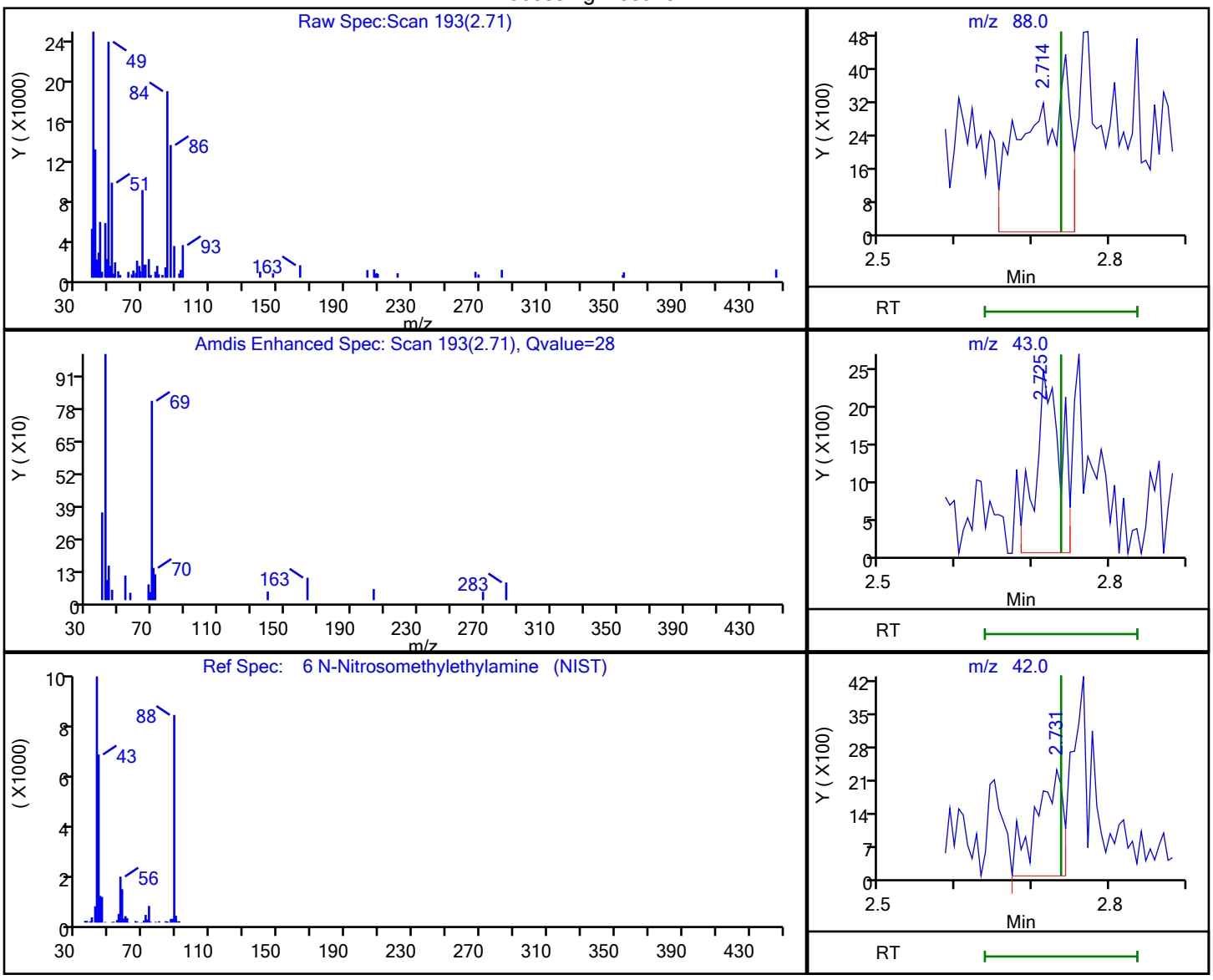
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D				
Injection Date:	14-Apr-2025 14:11:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

6 N-Nitrosomethylethylamine, CAS: 10595-95-6

Processing Results



RT	Mass	Response	Amount
2.71	88.00	15136	0.095876
2.73	43.00	5425	
2.73	42.00	5382	

Reviewer: N5QU, 14-Apr-2025 15:34:22 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Calibration / 1,4-Dioxane

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

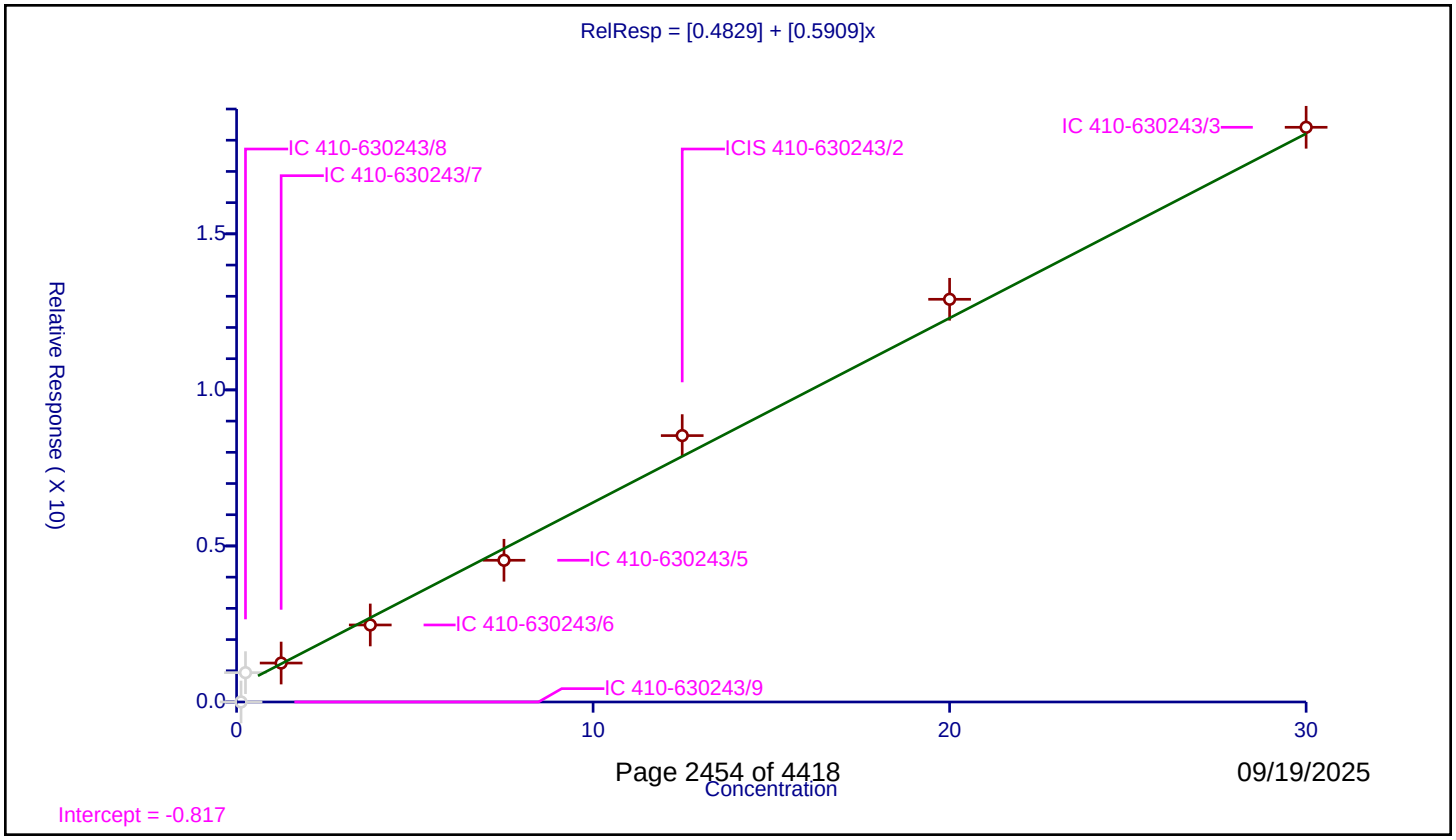
Curve Coefficients

Intercept:	0.4829
Slope:	0.5909

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.0	5.0	226180.0	0.0	N
2	IC 410-630243/8	0.25	0.940575	5.0	180464.0	3.762302	N
3	IC 410-630243/7	1.25	1.248254	5.0	175389.0	0.998603	Y
4	IC 410-630243/6	3.75	2.467773	5.0	185092.0	0.658073	Y
5	IC 410-630243/5	7.5	4.540875	5.0	197539.0	0.60545	Y
6	ICIS 410-630243/2	12.5	8.535576	5.0	181020.0	0.682846	Y
7	IC 410-630243/4	20.0	12.903453	5.0	184873.0	0.645173	Y
8	IC 410-630243/3	30.0	18.414654	5.0	186751.0	0.613822	Y



09/19/2025

Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

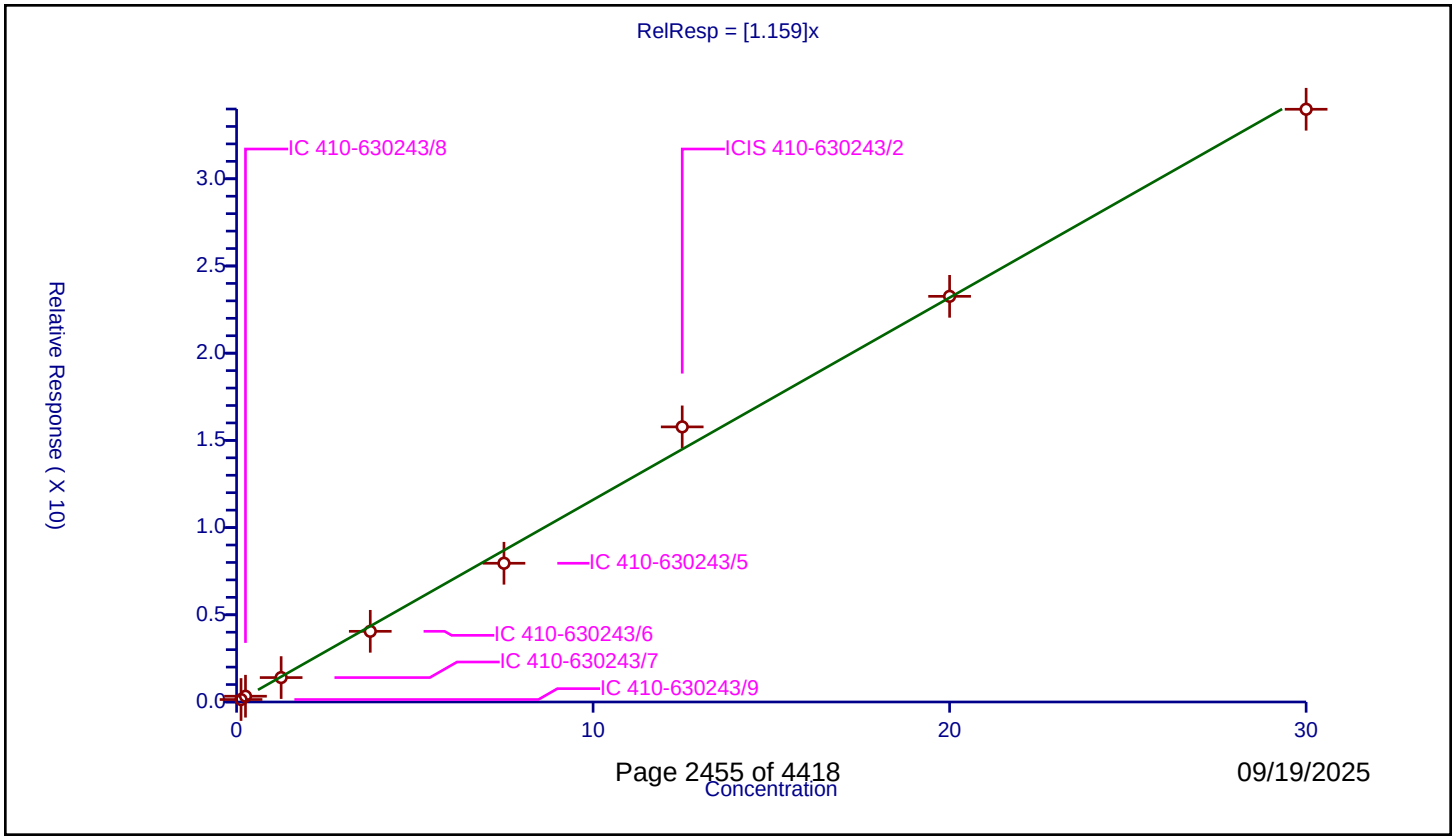
Curve Coefficients

Intercept:	0
Slope:	1.159

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.14148	5.0	226180.0	1.131842	Y
2	IC 410-630243/8	0.25	0.331008	5.0	180464.0	1.324031	Y
3	IC 410-630243/7	1.25	1.399404	5.0	175389.0	1.119523	Y
4	IC 410-630243/6	3.75	4.052633	5.0	185092.0	1.080702	Y
5	IC 410-630243/5	7.5	7.955062	5.0	197539.0	1.060675	Y
6	ICIS 410-630243/2	12.5	15.773644	5.0	181020.0	1.261892	Y
7	IC 410-630243/4	20.0	23.260887	5.0	184873.0	1.163044	Y
8	IC 410-630243/3	30.0	33.986217	5.0	186751.0	1.132874	Y



Calibration / Pyridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

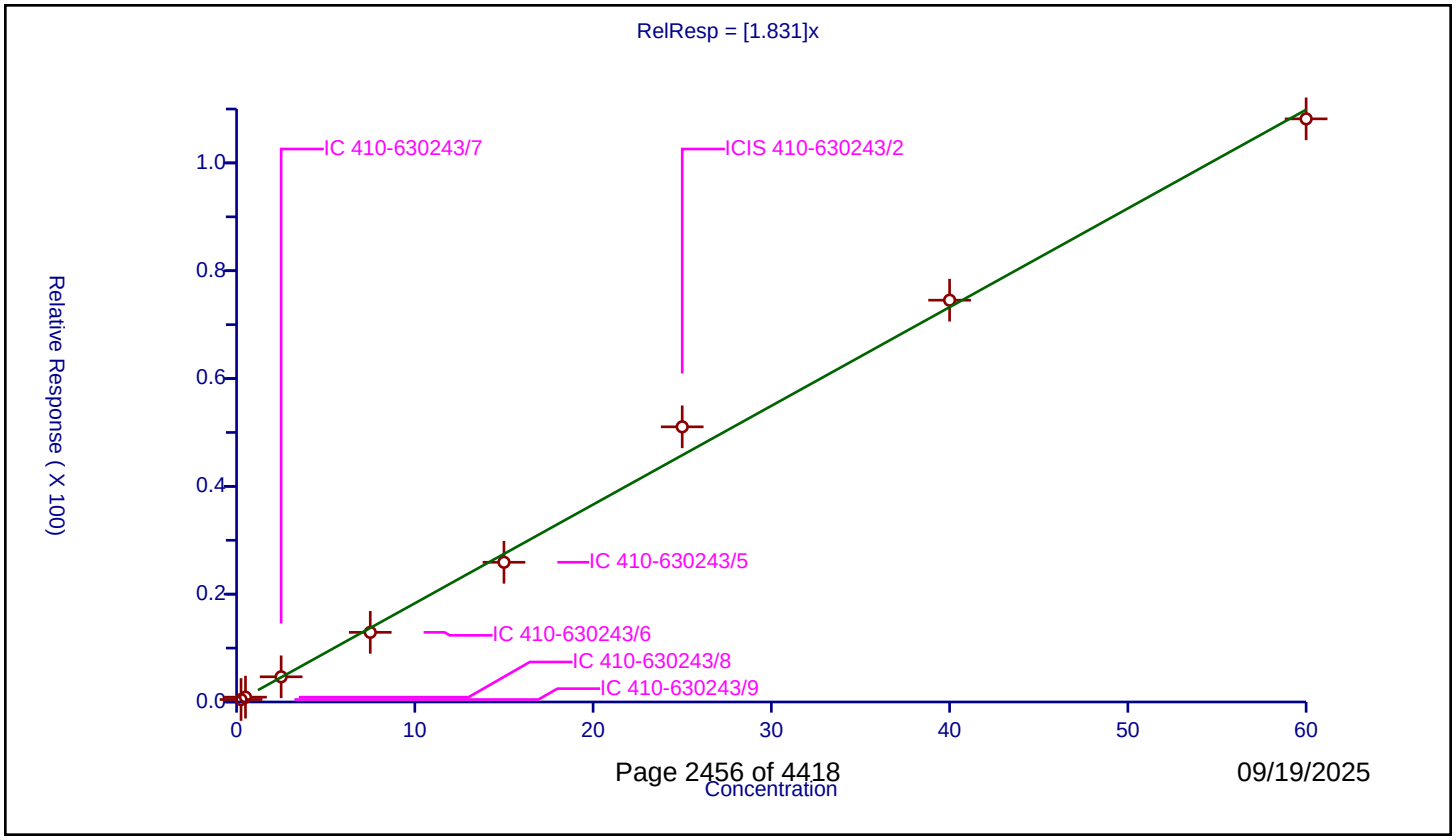
Curve Coefficients

Intercept:	0
Slope:	1.831

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.25	0.455566	5.0	226180.0	1.822265	Y
2	IC 410-630243/8	0.5	0.899598	5.0	180464.0	1.799195	Y
3	IC 410-630243/7	2.5	4.673041	5.0	175389.0	1.869216	Y
4	IC 410-630243/6	7.5	12.919197	5.0	185092.0	1.72256	Y
5	IC 410-630243/5	15.0	25.920907	5.0	197539.0	1.72806	Y
6	ICIS 410-630243/2	25.0	51.04168	5.0	181020.0	2.041667	Y
7	IC 410-630243/4	40.0	74.538548	5.0	184873.0	1.863464	Y
8	IC 410-630243/3	60.0	108.173531	5.0	186751.0	1.802892	Y



09/19/2025

Calibration / Dimethylformamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

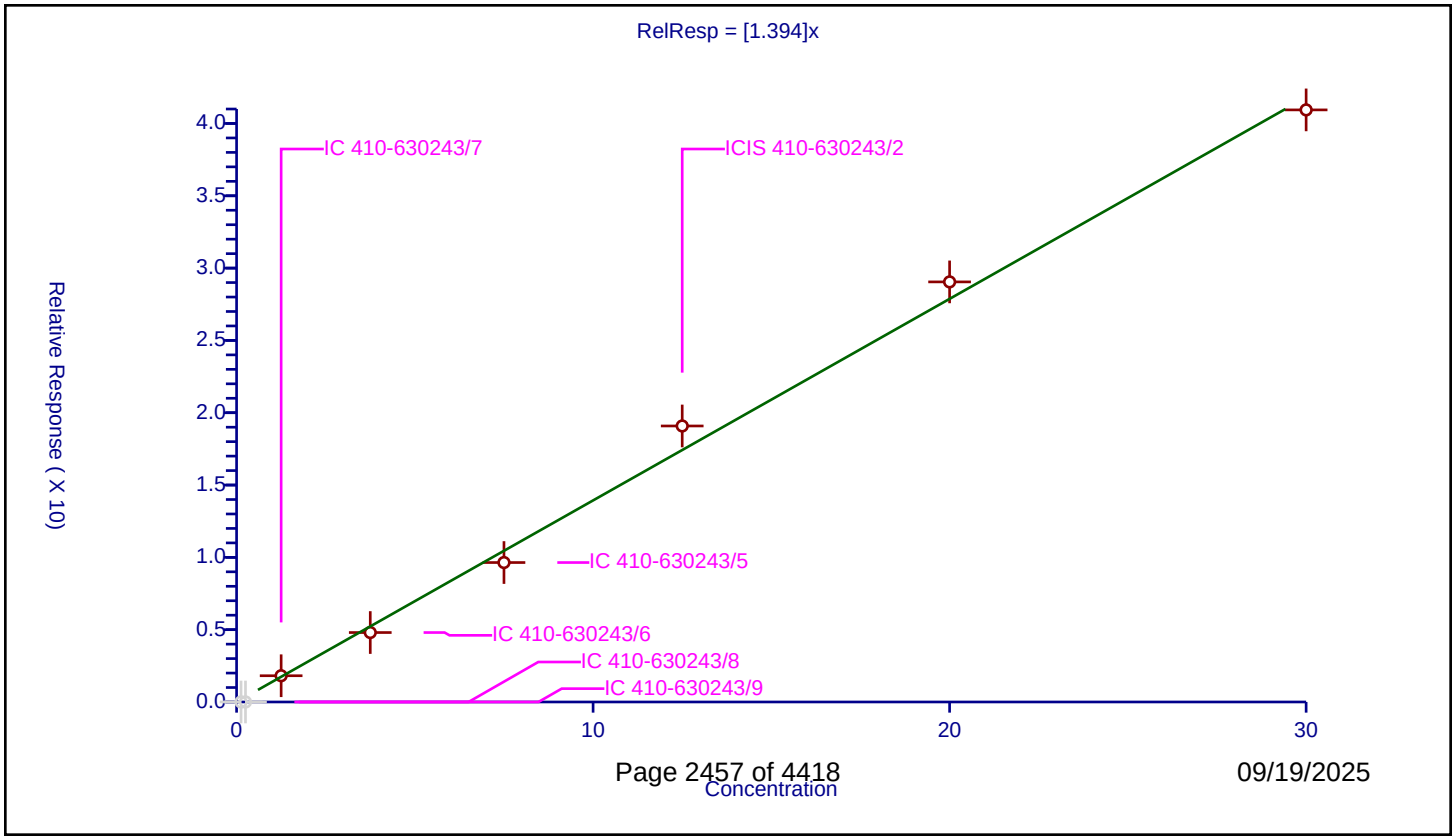
Curve Coefficients

Intercept:	0
Slope:	1.394

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.0	5.0	226180.0	0.0	N
2	IC 410-630243/8	0.25	0.0	5.0	180464.0	0.0	N
3	IC 410-630243/7	1.25	1.814481	5.0	175389.0	1.451585	Y
4	IC 410-630243/6	3.75	4.803071	5.0	185092.0	1.280819	Y
5	IC 410-630243/5	7.5	9.642805	5.0	197539.0	1.285707	Y
6	ICIS 410-630243/2	12.5	19.085239	5.0	181020.0	1.526819	Y
7	IC 410-630243/4	20.0	29.046481	5.0	184873.0	1.452324	Y
8	IC 410-630243/3	30.0	40.939754	5.0	186751.0	1.364658	Y



09/19/2025

Calibration / 2-Picoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

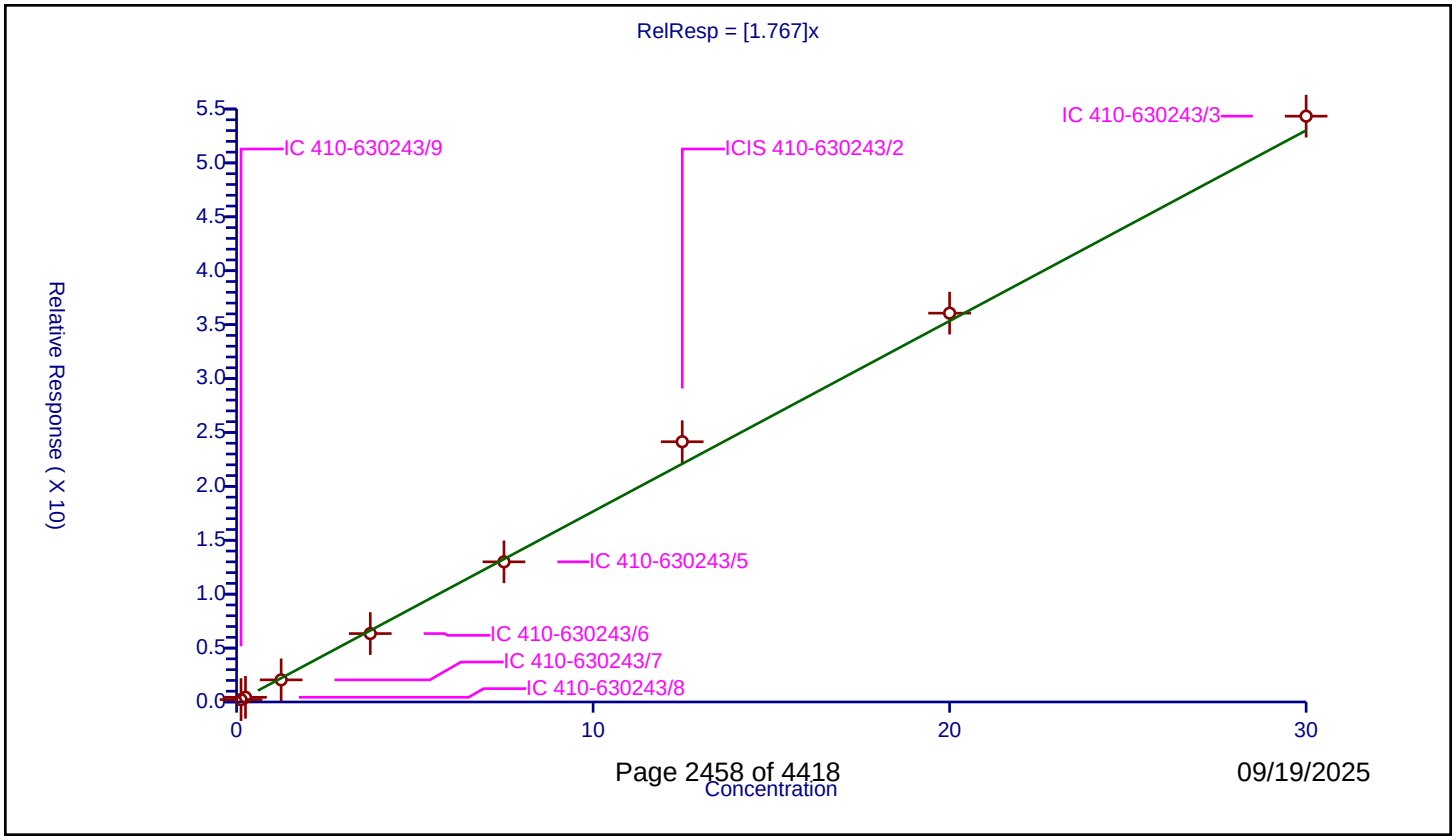
Curve Coefficients

Intercept:	0
Slope:	1.767

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.222146	5.0	226180.0	1.777169	Y
2	IC 410-630243/8	0.25	0.436985	5.0	180464.0	1.747939	Y
3	IC 410-630243/7	1.25	2.052637	5.0	175389.0	1.64211	Y
4	IC 410-630243/6	3.75	6.344872	5.0	185092.0	1.691966	Y
5	IC 410-630243/5	7.5	12.99794	5.0	197539.0	1.733059	Y
6	ICIS 410-630243/2	12.5	24.13899	5.0	181020.0	1.931119	Y
7	IC 410-630243/4	20.0	36.065407	5.0	184873.0	1.80327	Y
8	IC 410-630243/3	30.0	54.337192	5.0	186751.0	1.81124	Y



09/19/2025

Calibration / N-Nitrosomethylethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

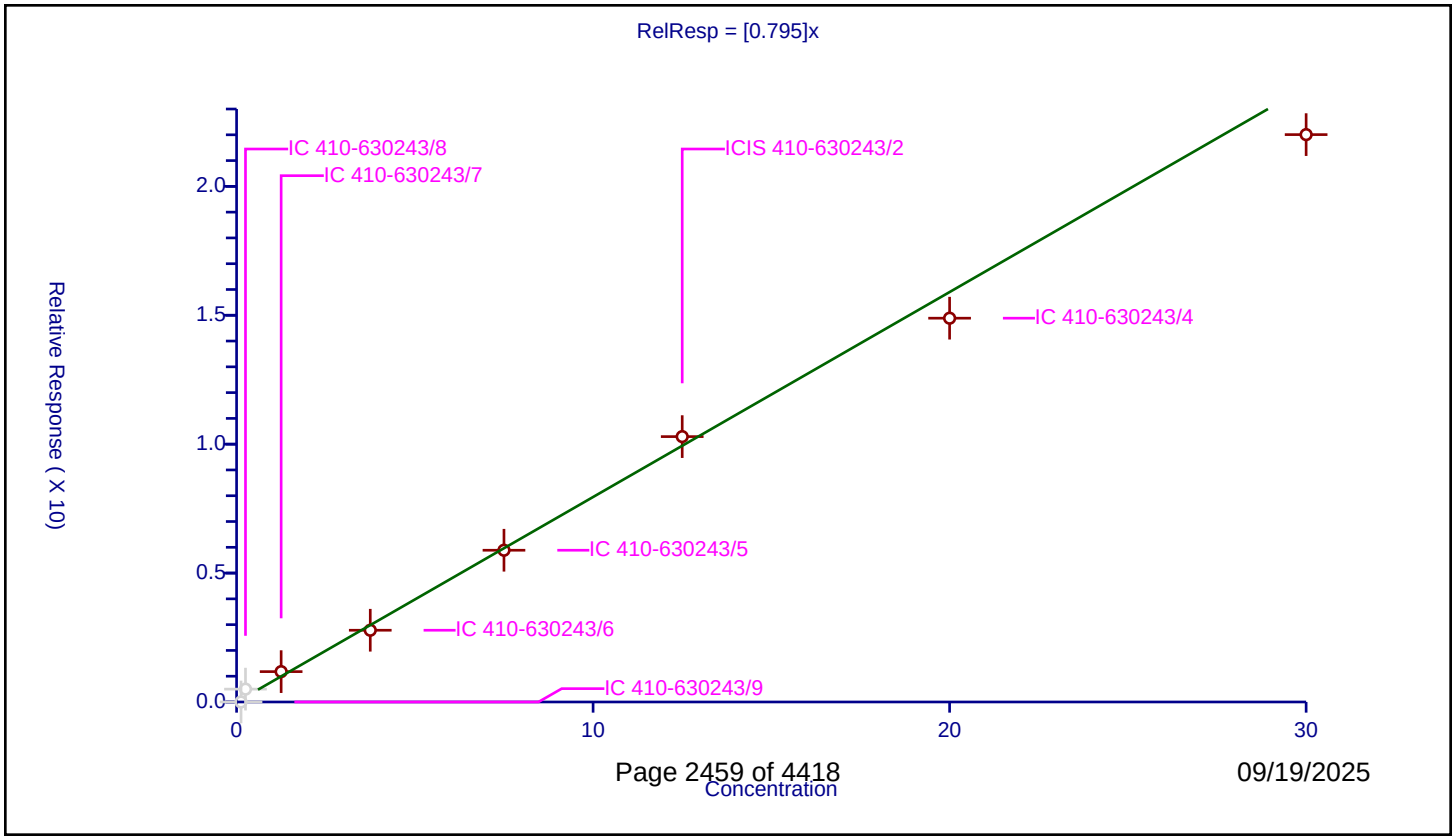
Curve Coefficients

Intercept:	0
Slope:	0.795

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.0	5.0	226180.0	0.0	N
2	IC 410-630243/8	0.25	0.498631	5.0	180464.0	1.994525	N
3	IC 410-630243/7	1.25	1.177269	5.0	175389.0	0.941815	Y
4	IC 410-630243/6	3.75	2.783292	5.0	185092.0	0.742211	Y
5	IC 410-630243/5	7.5	5.885572	5.0	197539.0	0.784743	Y
6	ICIS 410-630243/2	12.5	10.292923	5.0	181020.0	0.823434	Y
7	IC 410-630243/4	20.0	14.886571	5.0	184873.0	0.744329	Y
8	IC 410-630243/3	30.0	22.007486	5.0	186751.0	0.733583	Y



Calibration / Methyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

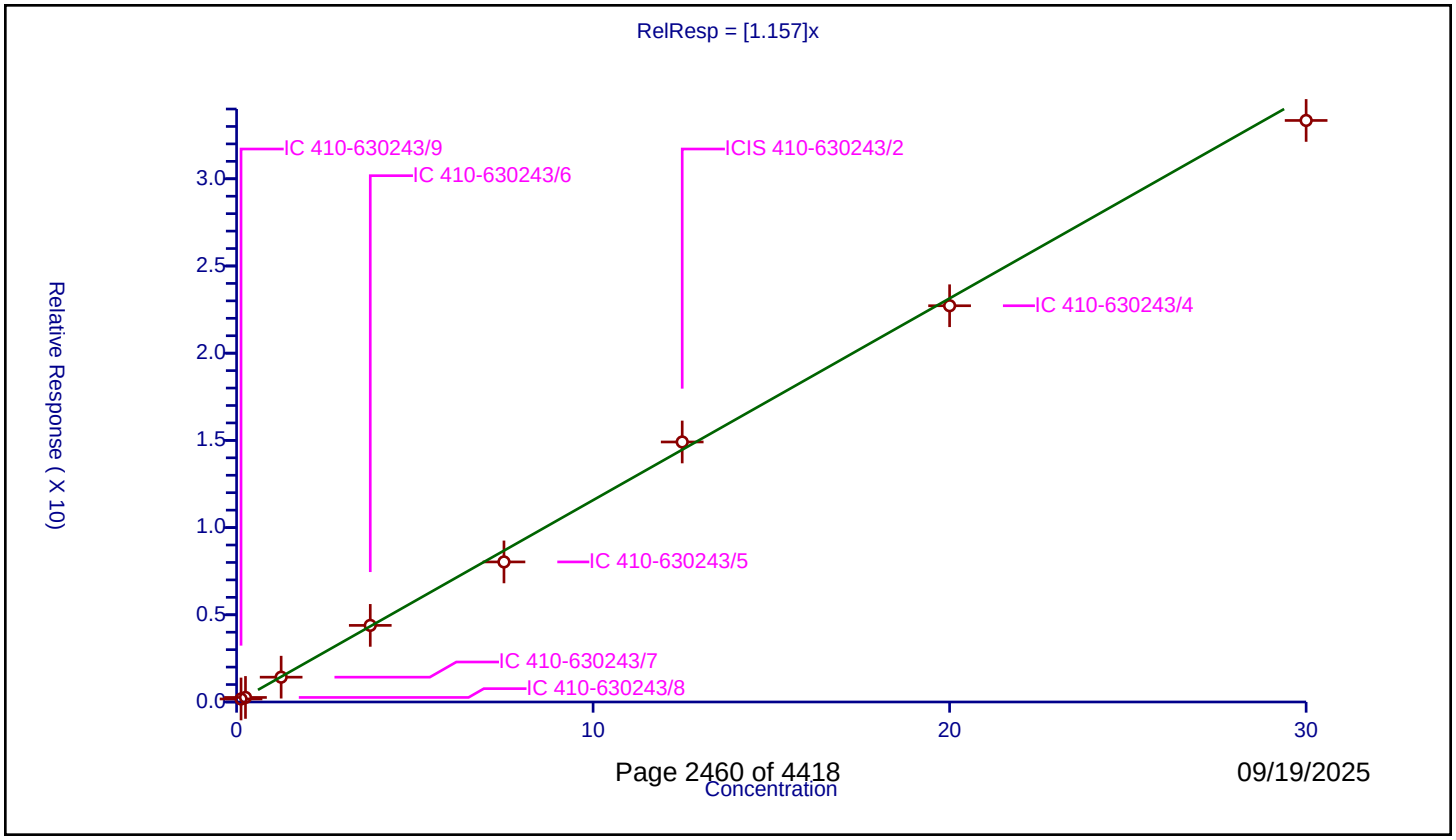
Curve Coefficients

Intercept:	0
Slope:	1.157

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.173866	5.0	226180.0	1.390928	Y
2	IC 410-630243/8	0.25	0.261382	5.0	180464.0	1.045527	Y
3	IC 410-630243/7	1.25	1.422809	5.0	175389.0	1.138247	Y
4	IC 410-630243/6	3.75	4.392356	5.0	185092.0	1.171295	Y
5	IC 410-630243/5	7.5	8.031503	5.0	197539.0	1.070867	Y
6	ICIS 410-630243/2	12.5	14.909071	5.0	181020.0	1.192726	Y
7	IC 410-630243/4	20.0	22.720192	5.0	184873.0	1.13601	Y
8	IC 410-630243/3	30.0	33.344159	5.0	186751.0	1.111472	Y



Calibration / 2-Fluorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

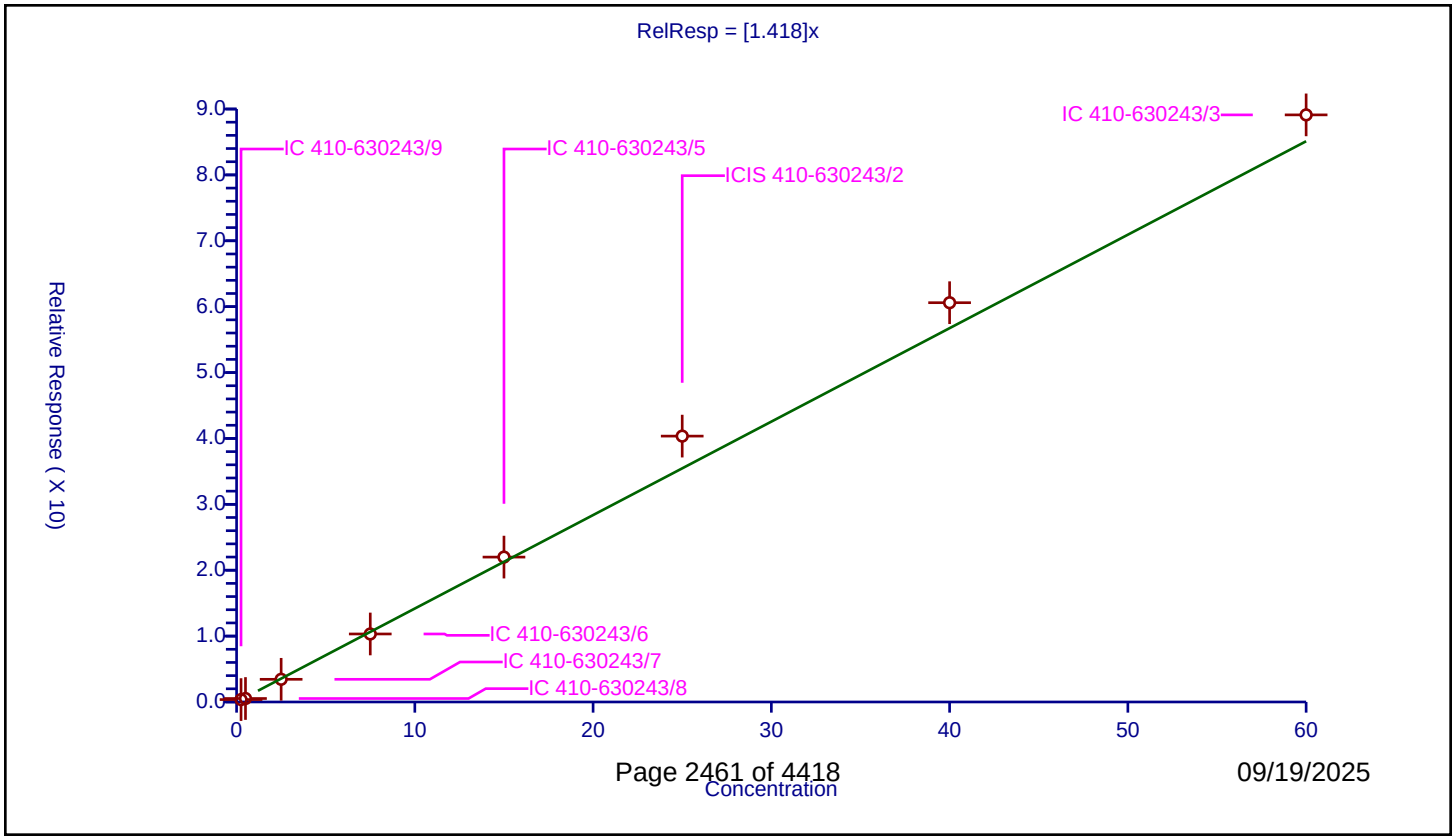
Curve Coefficients

Intercept:	0
Slope:	1.418

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.25	0.364798	5.0	226180.0	1.459192	Y
2	IC 410-630243/8	0.5	0.527224	5.0	180464.0	1.054449	Y
3	IC 410-630243/7	2.5	3.442377	5.0	175389.0	1.376951	Y
4	IC 410-630243/6	7.5	10.322812	5.0	185092.0	1.376375	Y
5	IC 410-630243/5	15.0	21.99267	5.0	197539.0	1.466178	Y
6	ICIS 410-630243/2	25.0	40.355237	5.0	181020.0	1.614209	Y
7	IC 410-630243/4	40.0	60.601683	5.0	184873.0	1.515042	Y
8	IC 410-630243/3	60.0	89.108867	5.0	186751.0	1.485148	Y



Calibration / N-Nitrosodiethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

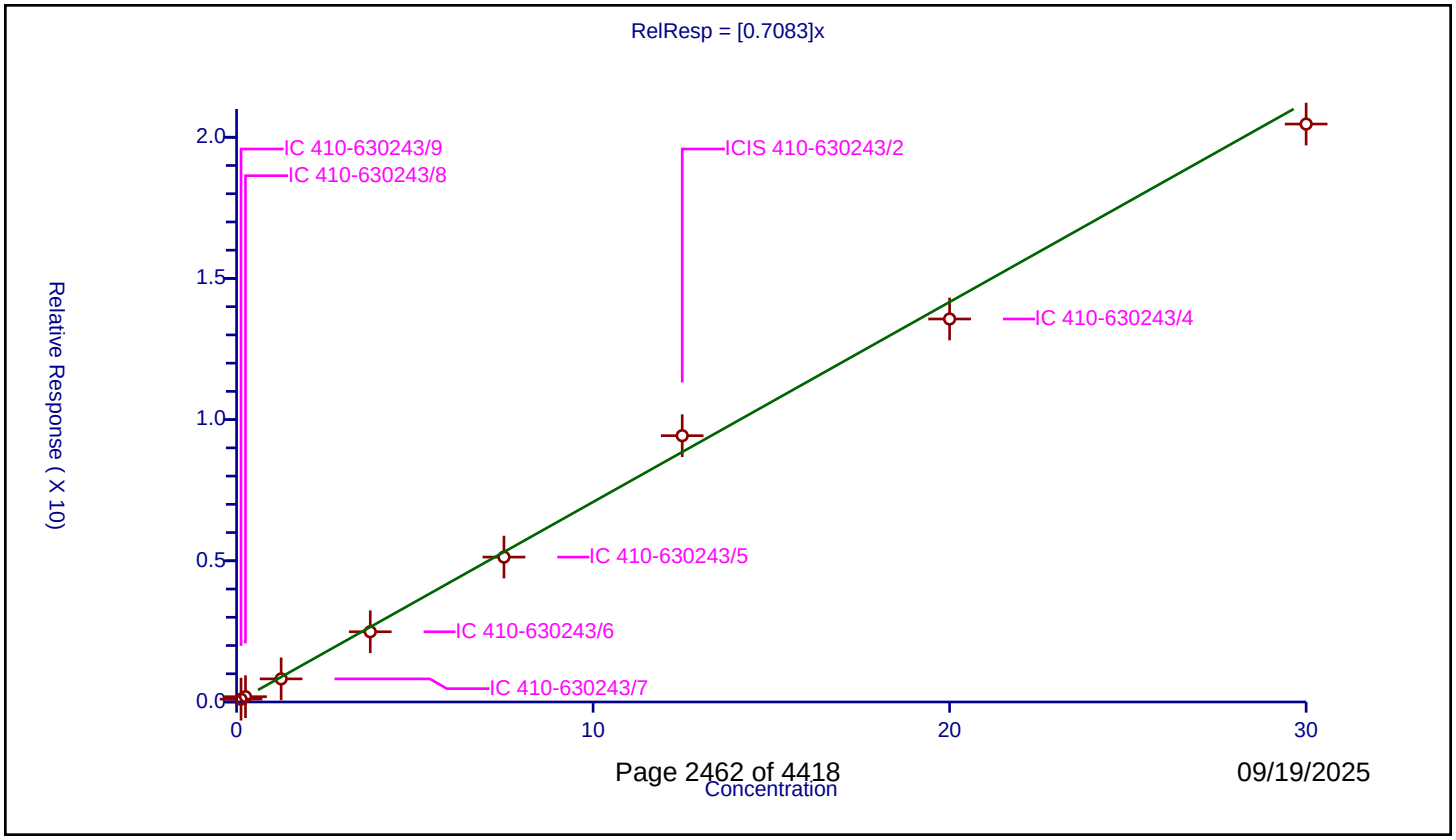
Curve Coefficients

Intercept:	0
Slope:	0.7083

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.099943	5.0	226180.0	0.79954	Y
2	IC 410-630243/8	0.25	0.187434	5.0	180464.0	0.749734	Y
3	IC 410-630243/7	1.25	0.818352	5.0	175389.0	0.654682	Y
4	IC 410-630243/6	3.75	2.486628	5.0	185092.0	0.663101	Y
5	IC 410-630243/5	7.5	5.131139	5.0	197539.0	0.684152	Y
6	ICIS 410-630243/2	12.5	9.430809	5.0	181020.0	0.754465	Y
7	IC 410-630243/4	20.0	13.563554	5.0	184873.0	0.678178	Y
8	IC 410-630243/3	30.0	20.467815	5.0	186751.0	0.682261	Y



Calibration / Ethyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

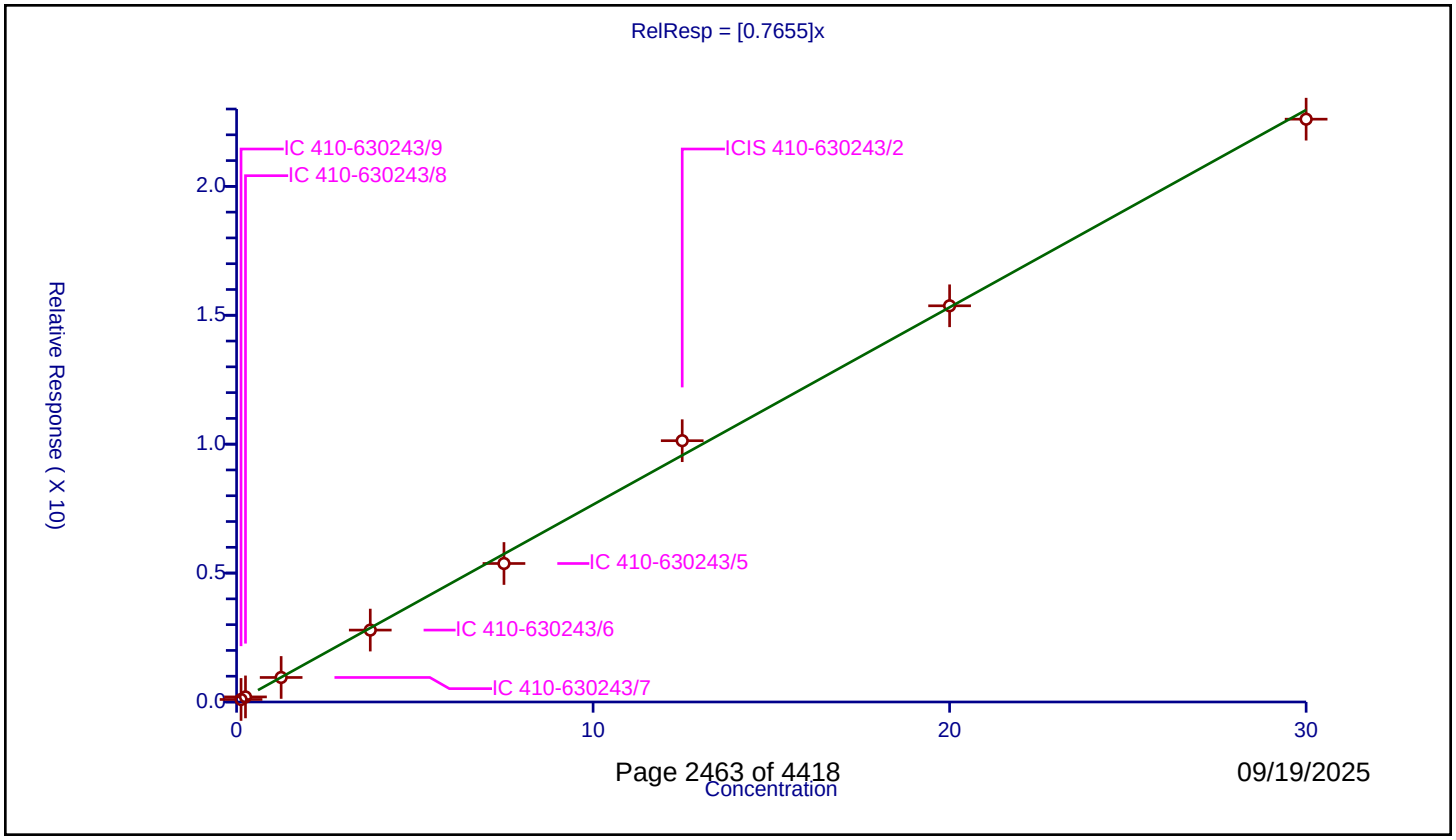
Curve Coefficients

Intercept:	0
Slope:	0.7655

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.098019	5.0	226180.0	0.784154	Y
2	IC 410-630243/8	0.25	0.196577	5.0	180464.0	0.786306	Y
3	IC 410-630243/7	1.25	0.950772	5.0	175389.0	0.760618	Y
4	IC 410-630243/6	3.75	2.788559	5.0	185092.0	0.743616	Y
5	IC 410-630243/5	7.5	5.371851	5.0	197539.0	0.716247	Y
6	ICIS 410-630243/2	12.5	10.134875	5.0	181020.0	0.81079	Y
7	IC 410-630243/4	20.0	15.367928	5.0	184873.0	0.768396	Y
8	IC 410-630243/3	30.0	22.605609	5.0	186751.0	0.75352	Y



Calibration / Benzaldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

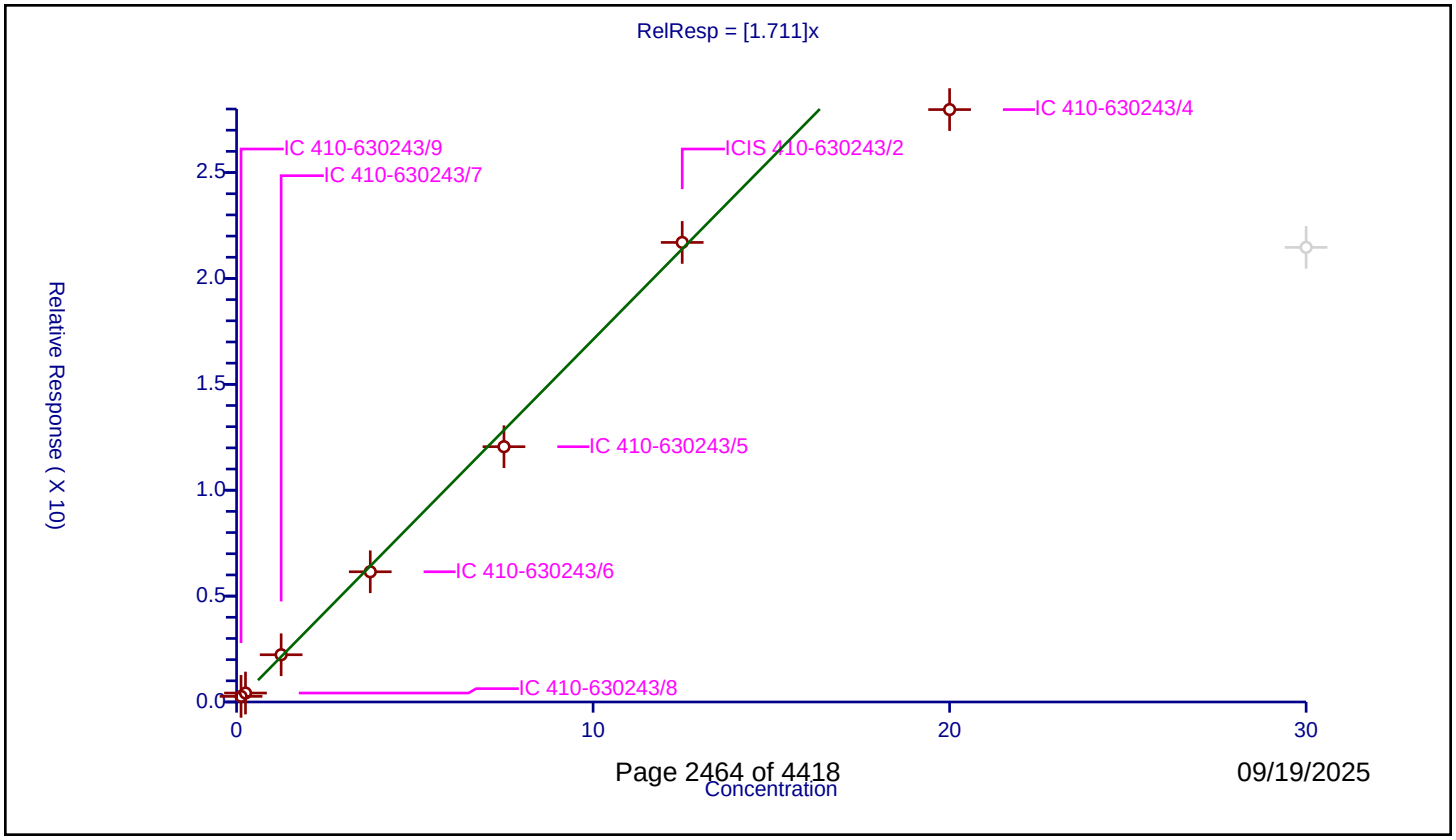
Curve Coefficients

Intercept:	0
Slope:	1.711

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.265364	5.0	226180.0	2.122911	Y
2	IC 410-630243/8	0.25	0.422633	5.0	180464.0	1.690531	Y
3	IC 410-630243/7	1.25	2.23067	5.0	175389.0	1.784536	Y
4	IC 410-630243/6	3.75	6.148699	5.0	185092.0	1.639653	Y
5	IC 410-630243/5	7.5	12.054885	5.0	197539.0	1.607318	Y
6	ICIS 410-630243/2	12.5	21.700061	5.0	181020.0	1.736005	Y
7	IC 410-630243/4	20.0	27.973041	5.0	184873.0	1.398652	Y
8	IC 410-630243/3	30.0	21.466284	5.0	186751.0	0.715543	N



09/19/2025

Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

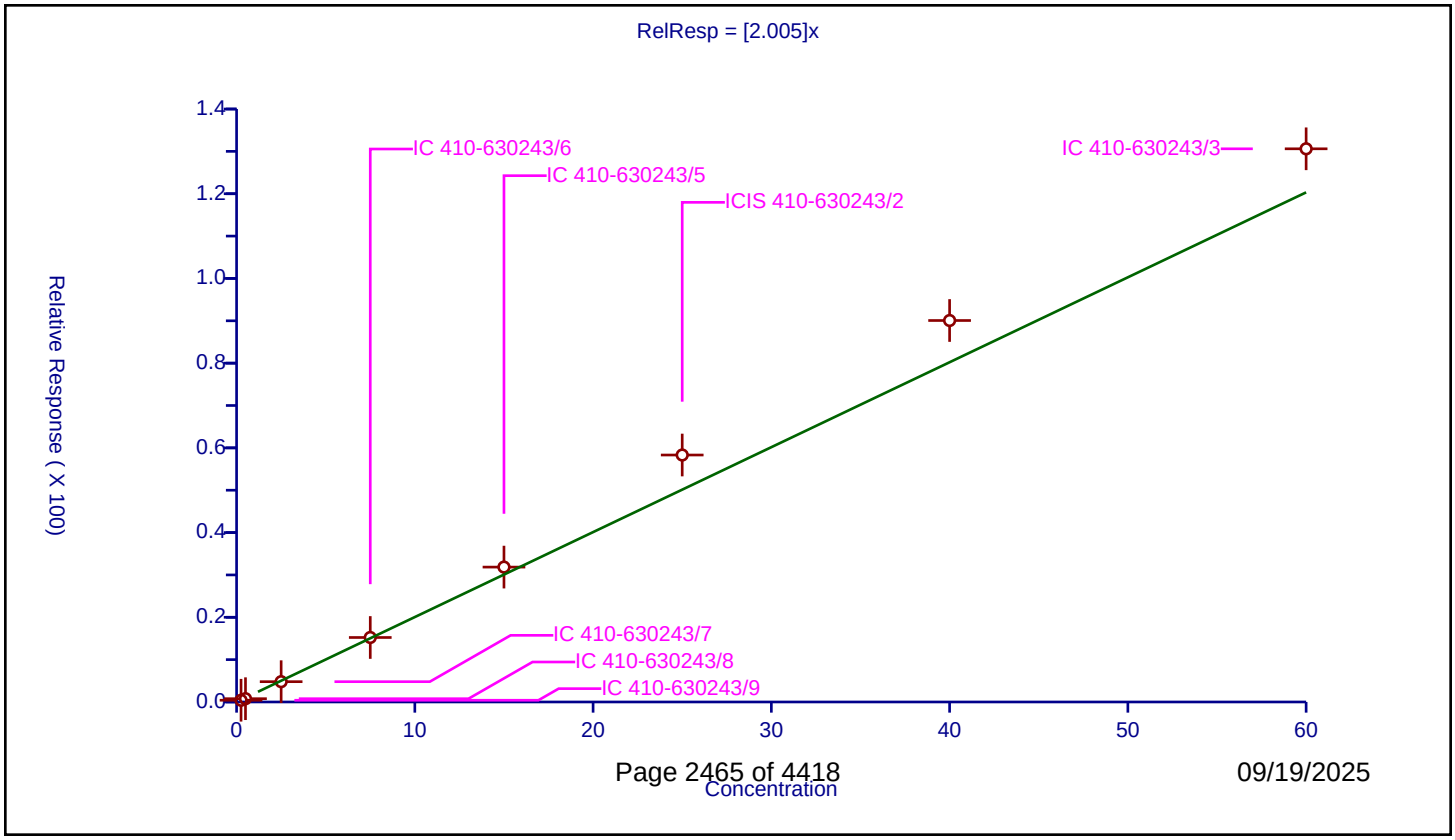
Curve Coefficients

Intercept:	0
Slope:	2.005

Error Coefficients

Relative Standard Deviation:	13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.25	0.412238	5.0	226180.0	1.648952	Y
2	IC 410-630243/8	0.5	0.780599	5.0	180464.0	1.561198	Y
3	IC 410-630243/7	2.5	4.794628	5.0	175389.0	1.917851	Y
4	IC 410-630243/6	7.5	15.22713	5.0	185092.0	2.030284	Y
5	IC 410-630243/5	15.0	31.849989	5.0	197539.0	2.123333	Y
6	ICIS 410-630243/2	25.0	58.3098	5.0	181020.0	2.332392	Y
7	IC 410-630243/4	40.0	90.066505	5.0	184873.0	2.251663	Y
8	IC 410-630243/3	60.0	130.607065	5.0	186751.0	2.176784	Y



09/19/2025

Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

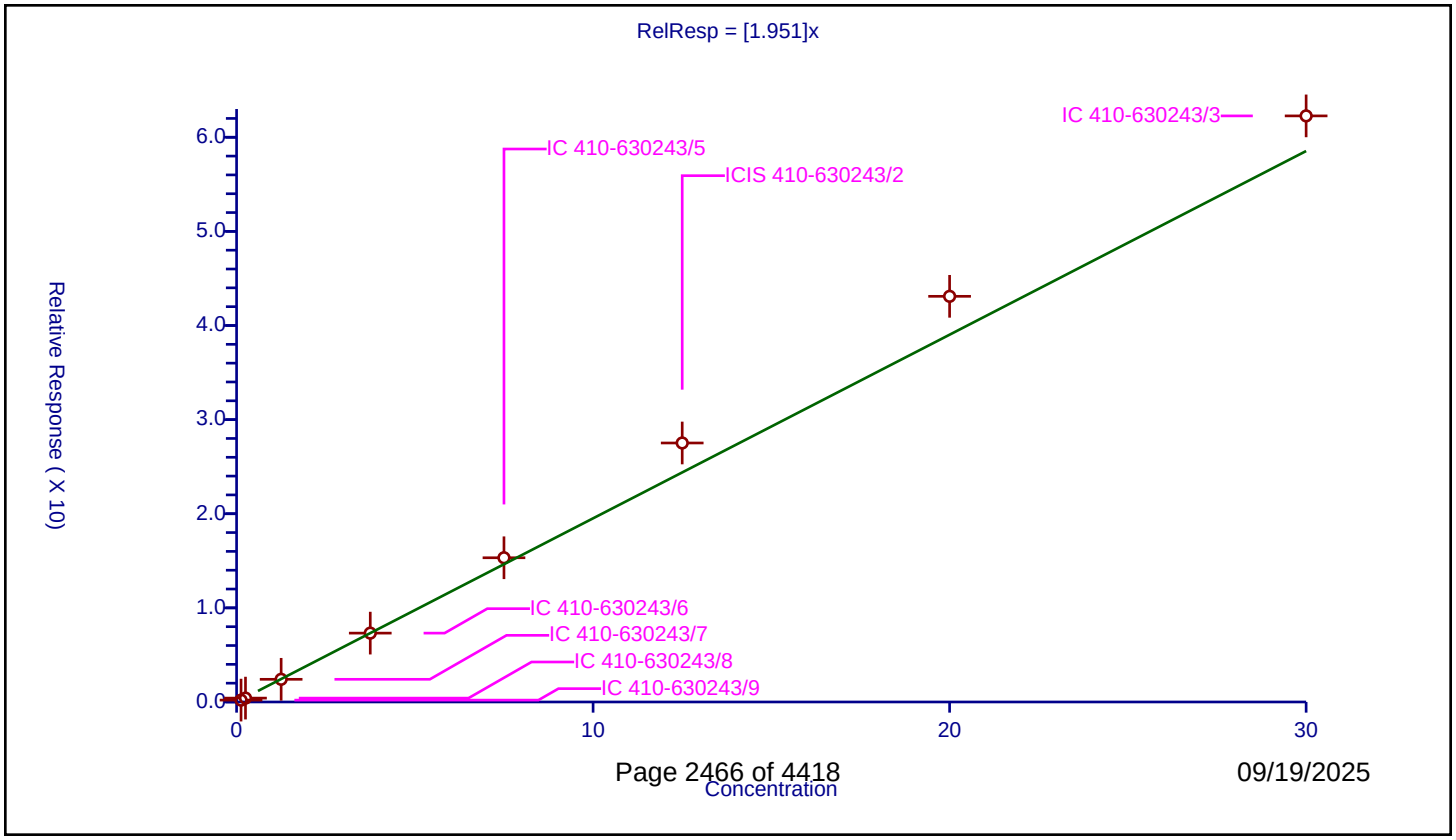
Curve Coefficients

Intercept:	0
Slope:	1.951

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.200239	5.0	226180.0	1.60191	Y
2	IC 410-630243/8	0.25	0.413296	5.0	180464.0	1.653183	Y
3	IC 410-630243/7	1.25	2.410157	5.0	175389.0	1.928125	Y
4	IC 410-630243/6	3.75	7.315416	5.0	185092.0	1.950778	Y
5	IC 410-630243/5	7.5	15.323	5.0	197539.0	2.043067	Y
6	ICIS 410-630243/2	12.5	27.518064	5.0	181020.0	2.201445	Y
7	IC 410-630243/4	20.0	43.100723	5.0	184873.0	2.155036	Y
8	IC 410-630243/3	30.0	62.269144	5.0	186751.0	2.075638	Y



Calibration / Aniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

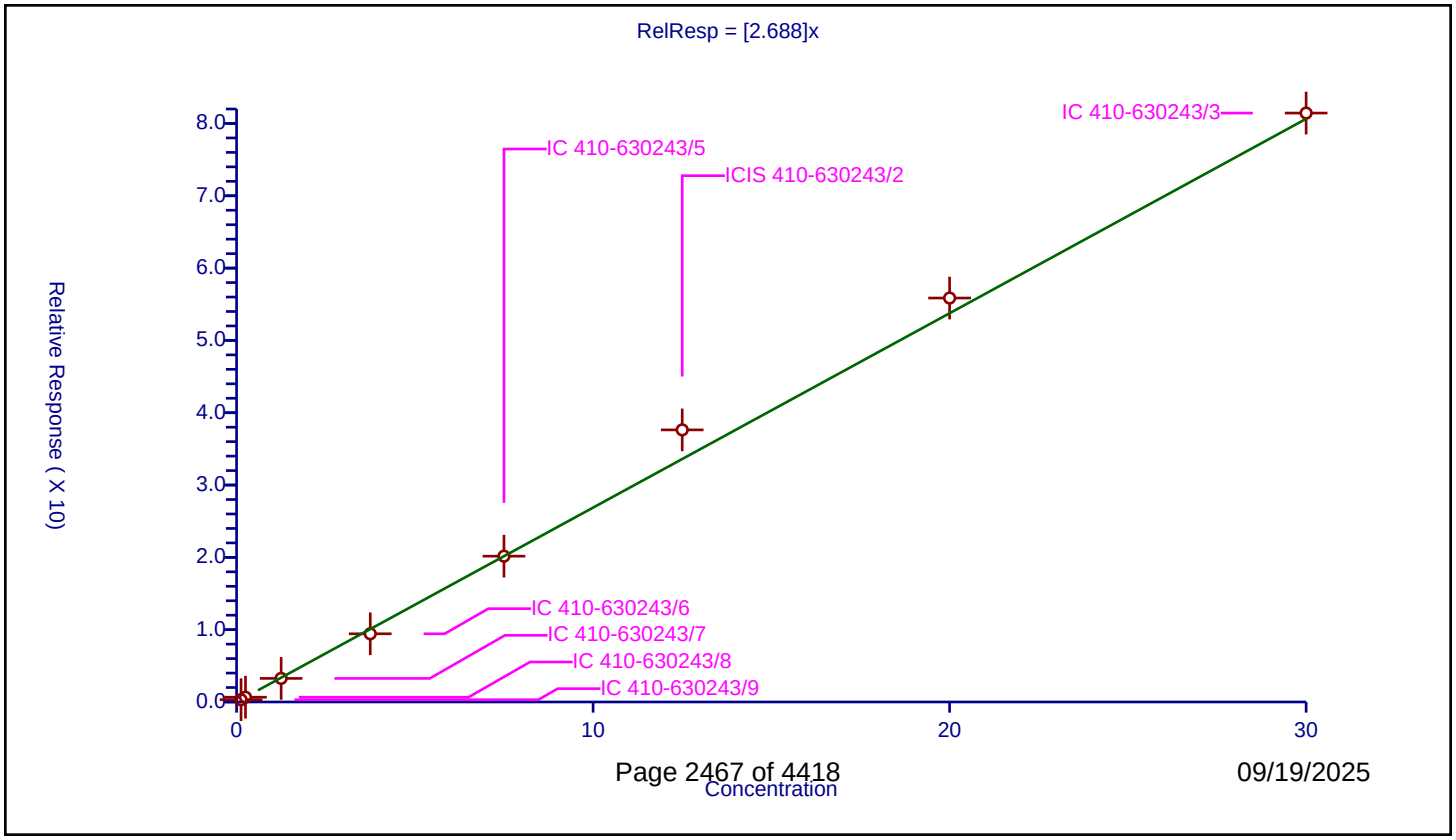
Curve Coefficients

Intercept:	0
Slope:	2.688

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.317048	5.0	226180.0	2.536387	Y
2	IC 410-630243/8	0.25	0.658663	5.0	180464.0	2.634653	Y
3	IC 410-630243/7	1.25	3.262662	5.0	175389.0	2.610129	Y
4	IC 410-630243/6	3.75	9.432742	5.0	185092.0	2.515398	Y
5	IC 410-630243/5	7.5	20.164828	5.0	197539.0	2.688644	Y
6	ICIS 410-630243/2	12.5	37.627748	5.0	181020.0	3.01022	Y
7	IC 410-630243/4	20.0	55.863755	5.0	184873.0	2.793188	Y
8	IC 410-630243/3	30.0	81.44117	5.0	186751.0	2.714706	Y



09/19/2025

Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

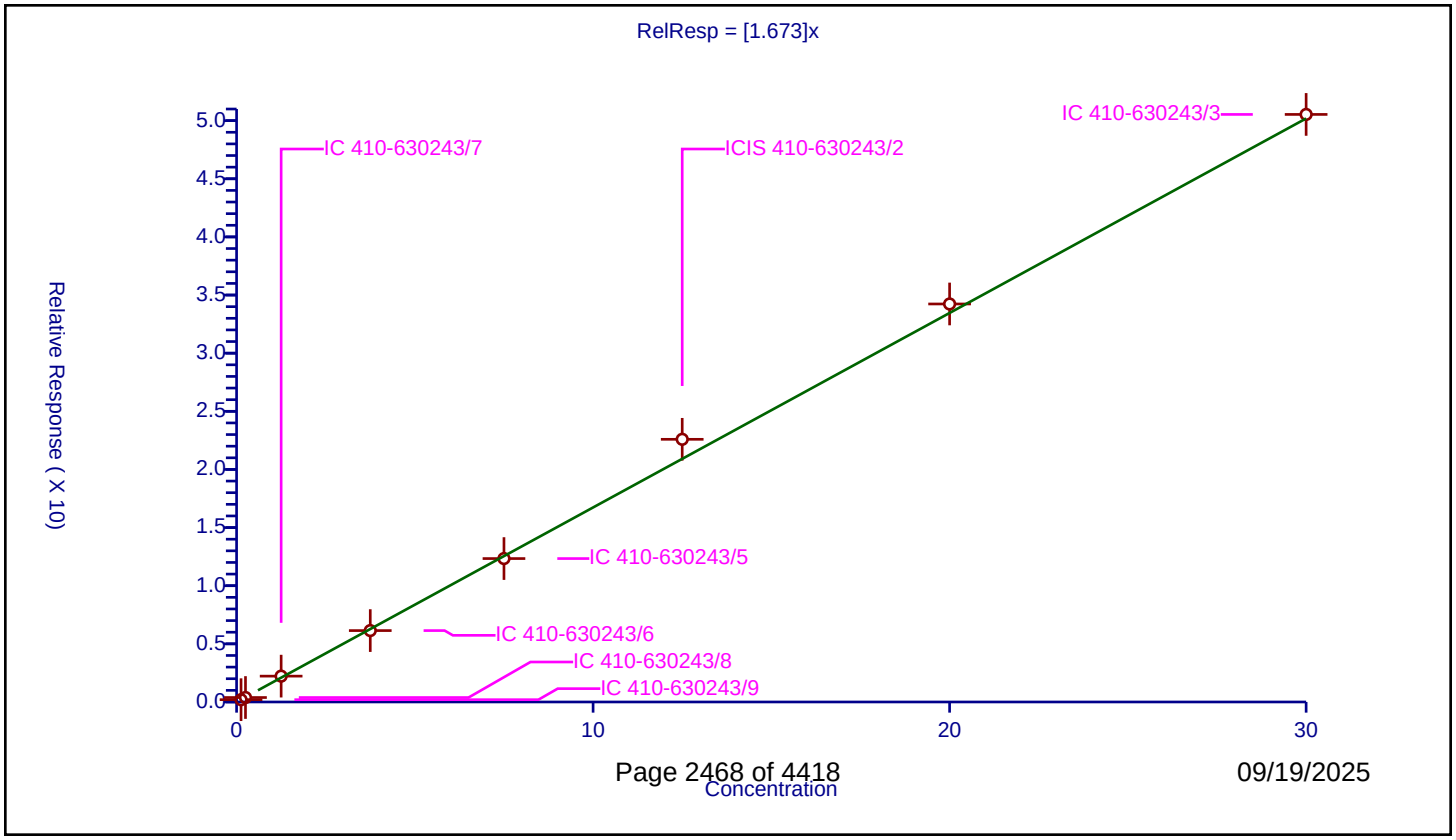
Curve Coefficients

Intercept:	0
Slope:	1.673

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.197918	5.0	226180.0	1.583341	Y
2	IC 410-630243/8	0.25	0.38401	5.0	180464.0	1.53604	Y
3	IC 410-630243/7	1.25	2.223115	5.0	175389.0	1.778492	Y
4	IC 410-630243/6	3.75	6.140649	5.0	185092.0	1.637506	Y
5	IC 410-630243/5	7.5	12.334678	5.0	197539.0	1.644624	Y
6	ICIS 410-630243/2	12.5	22.592752	5.0	181020.0	1.80742	Y
7	IC 410-630243/4	20.0	34.232122	5.0	184873.0	1.711606	Y
8	IC 410-630243/3	30.0	50.534134	5.0	186751.0	1.684471	Y



Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

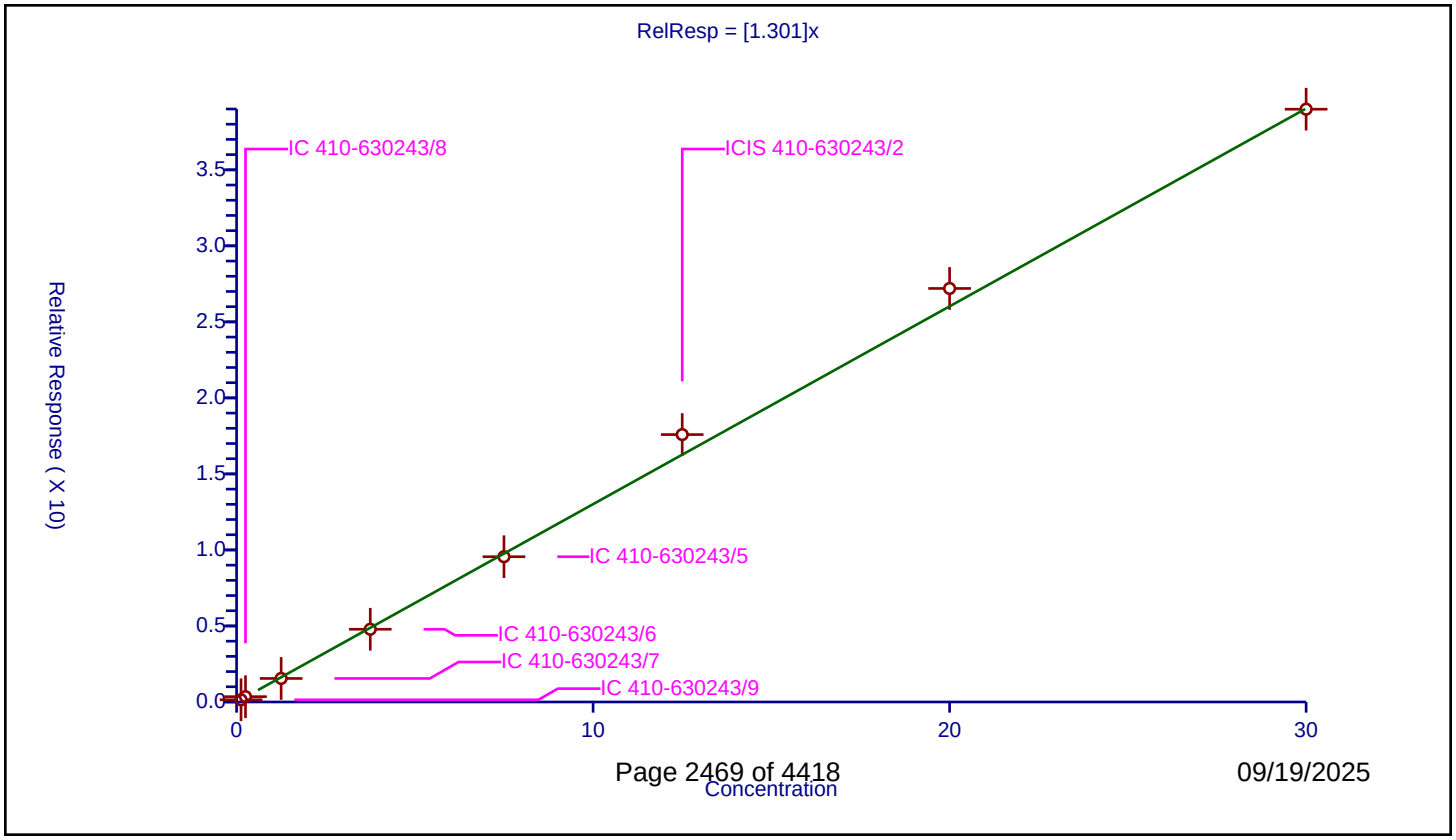
Curve Coefficients

Intercept:	0
Slope:	1.301

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.144288	5.0	226180.0	1.154302	Y
2	IC 410-630243/8	0.25	0.350208	5.0	180464.0	1.400833	Y
3	IC 410-630243/7	1.25	1.54699	5.0	175389.0	1.237592	Y
4	IC 410-630243/6	3.75	4.784269	5.0	185092.0	1.275805	Y
5	IC 410-630243/5	7.5	9.55386	5.0	197539.0	1.273848	Y
6	ICIS 410-630243/2	12.5	17.586869	5.0	181020.0	1.40695	Y
7	IC 410-630243/4	20.0	27.197968	5.0	184873.0	1.359898	Y
8	IC 410-630243/3	30.0	38.987341	5.0	186751.0	1.299578	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

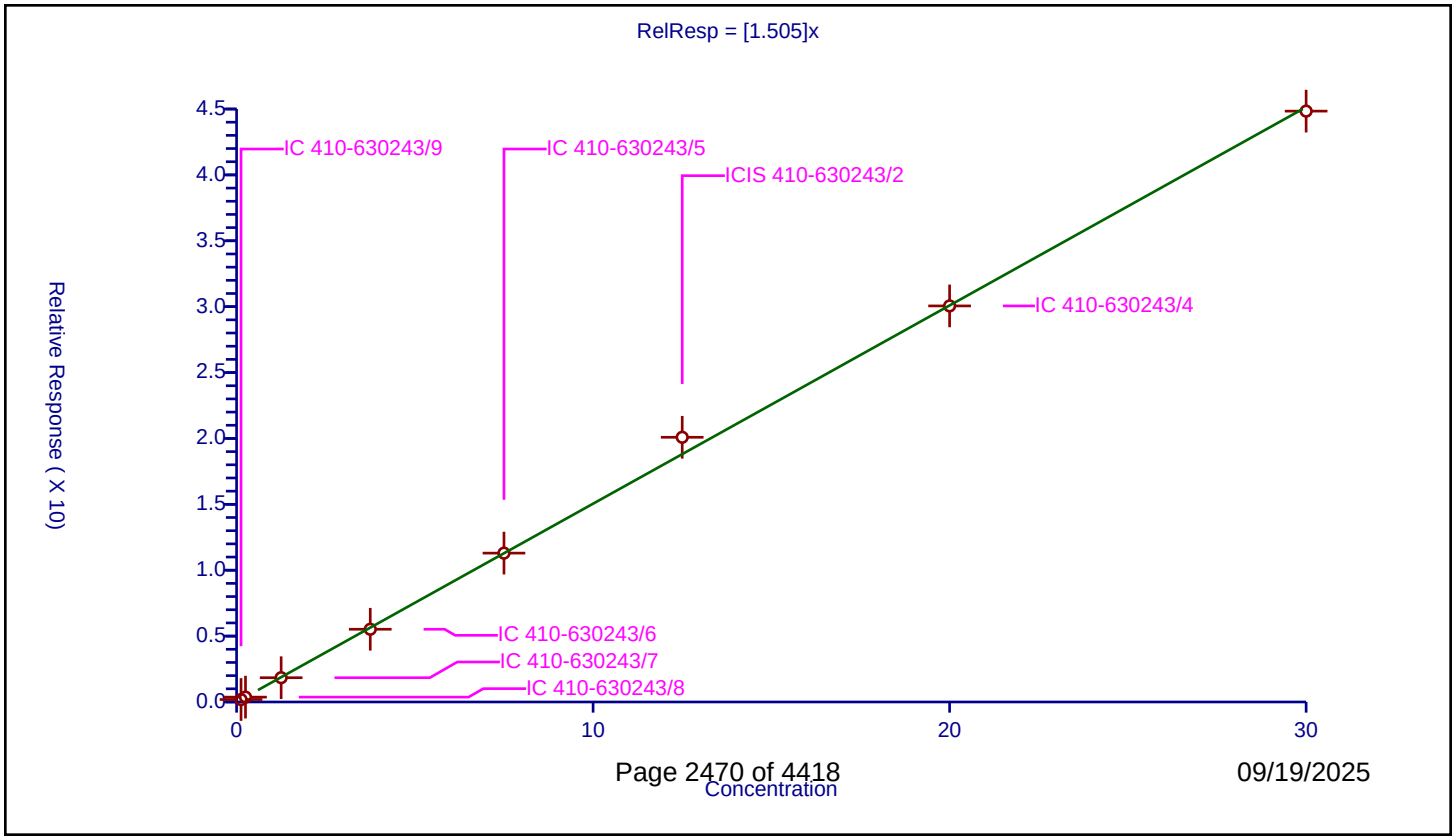
Curve Coefficients

Intercept:	0
Slope:	1.505

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.188125	5.0	226180.0	1.504996	Y
2	IC 410-630243/8	0.25	0.368993	5.0	180464.0	1.475973	Y
3	IC 410-630243/7	1.25	1.843075	5.0	175389.0	1.47446	Y
4	IC 410-630243/6	3.75	5.518985	5.0	185092.0	1.471729	Y
5	IC 410-630243/5	7.5	11.297035	5.0	197539.0	1.506271	Y
6	ICIS 410-630243/2	12.5	20.087836	5.0	181020.0	1.607027	Y
7	IC 410-630243/4	20.0	30.057905	5.0	184873.0	1.502895	Y
8	IC 410-630243/3	30.0	44.839412	5.0	186751.0	1.494647	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

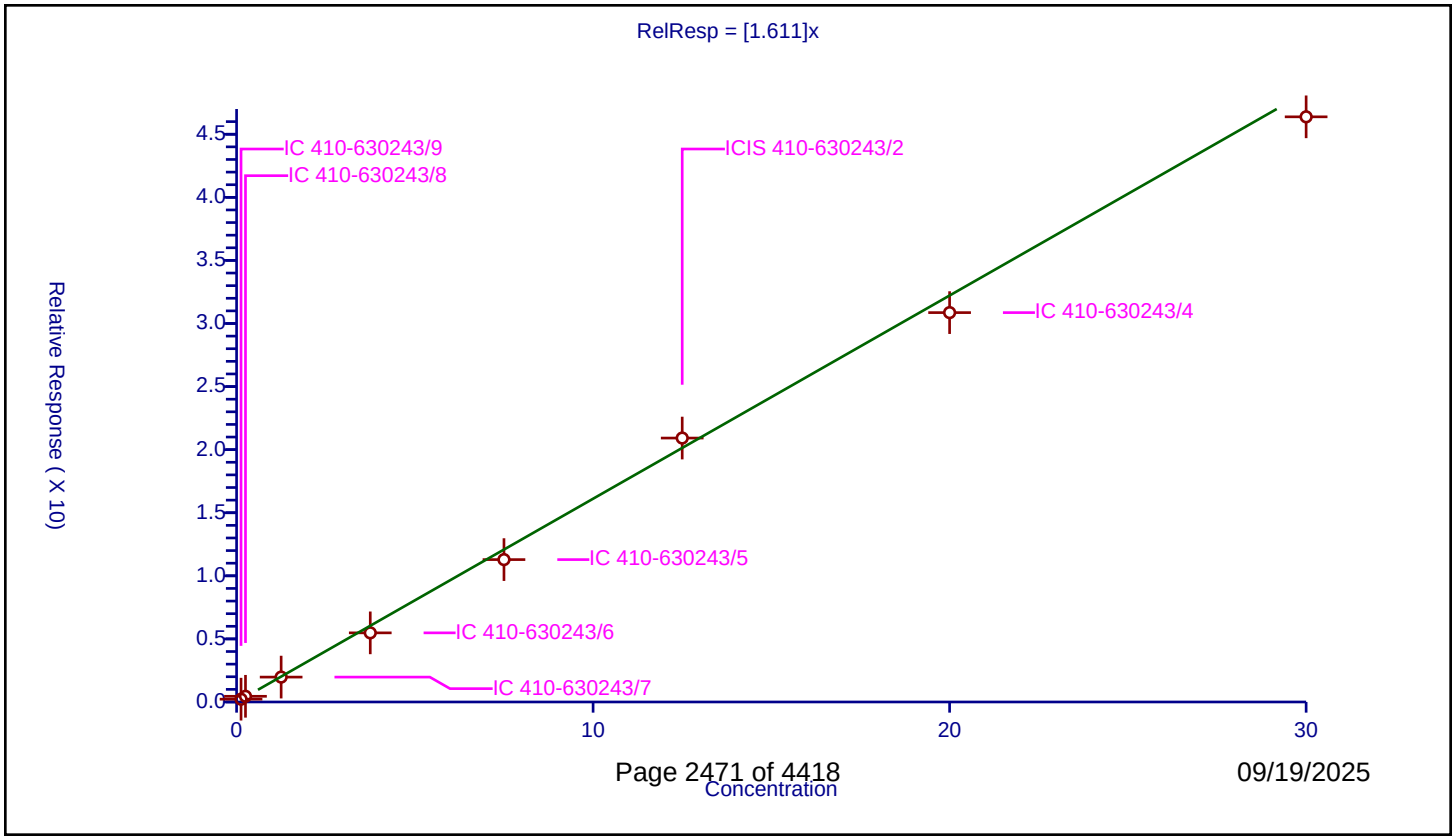
Curve Coefficients

Intercept:	0
Slope:	1.611

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.222058	5.0	226180.0	1.776461	Y
2	IC 410-630243/8	0.25	0.450838	5.0	180464.0	1.803351	Y
3	IC 410-630243/7	1.25	1.973584	5.0	175389.0	1.578868	Y
4	IC 410-630243/6	3.75	5.480221	5.0	185092.0	1.461392	Y
5	IC 410-630243/5	7.5	11.285012	5.0	197539.0	1.504668	Y
6	ICIS 410-630243/2	12.5	20.920478	5.0	181020.0	1.673638	Y
7	IC 410-630243/4	20.0	30.862917	5.0	184873.0	1.543146	Y
8	IC 410-630243/3	30.0	46.379966	5.0	186751.0	1.545999	Y



Calibration / Benzyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

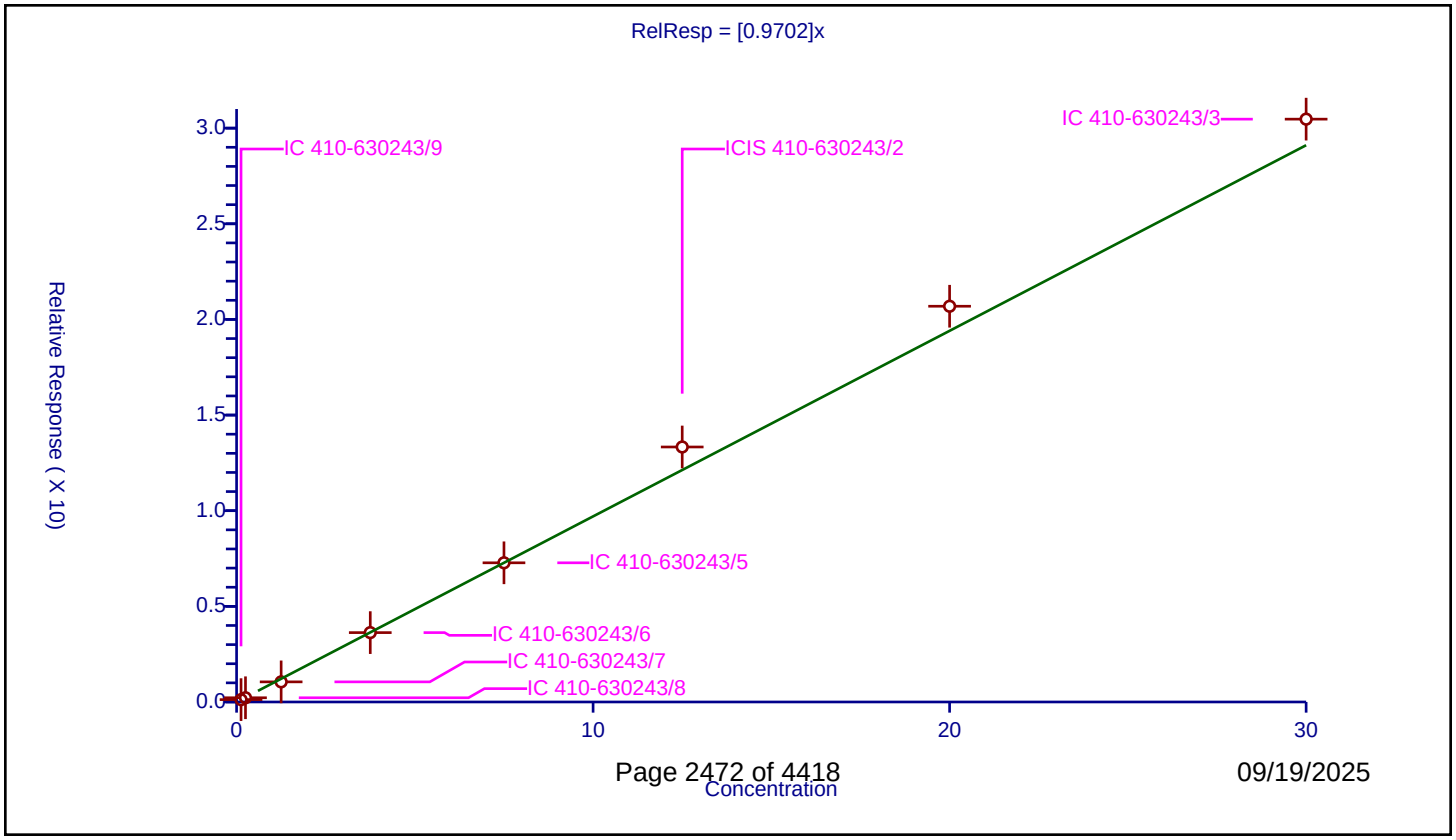
Curve Coefficients

Intercept:	0
Slope:	0.9702

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.122778	5.0	226180.0	0.982227	Y
2	IC 410-630243/8	0.25	0.221069	5.0	180464.0	0.884276	Y
3	IC 410-630243/7	1.25	1.051377	5.0	175389.0	0.841102	Y
4	IC 410-630243/6	3.75	3.627304	5.0	185092.0	0.967281	Y
5	IC 410-630243/5	7.5	7.275854	5.0	197539.0	0.970114	Y
6	ICIS 410-630243/2	12.5	13.331731	5.0	181020.0	1.066539	Y
7	IC 410-630243/4	20.0	20.689203	5.0	184873.0	1.03446	Y
8	IC 410-630243/3	30.0	30.470279	5.0	186751.0	1.015676	Y



09/19/2025

Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

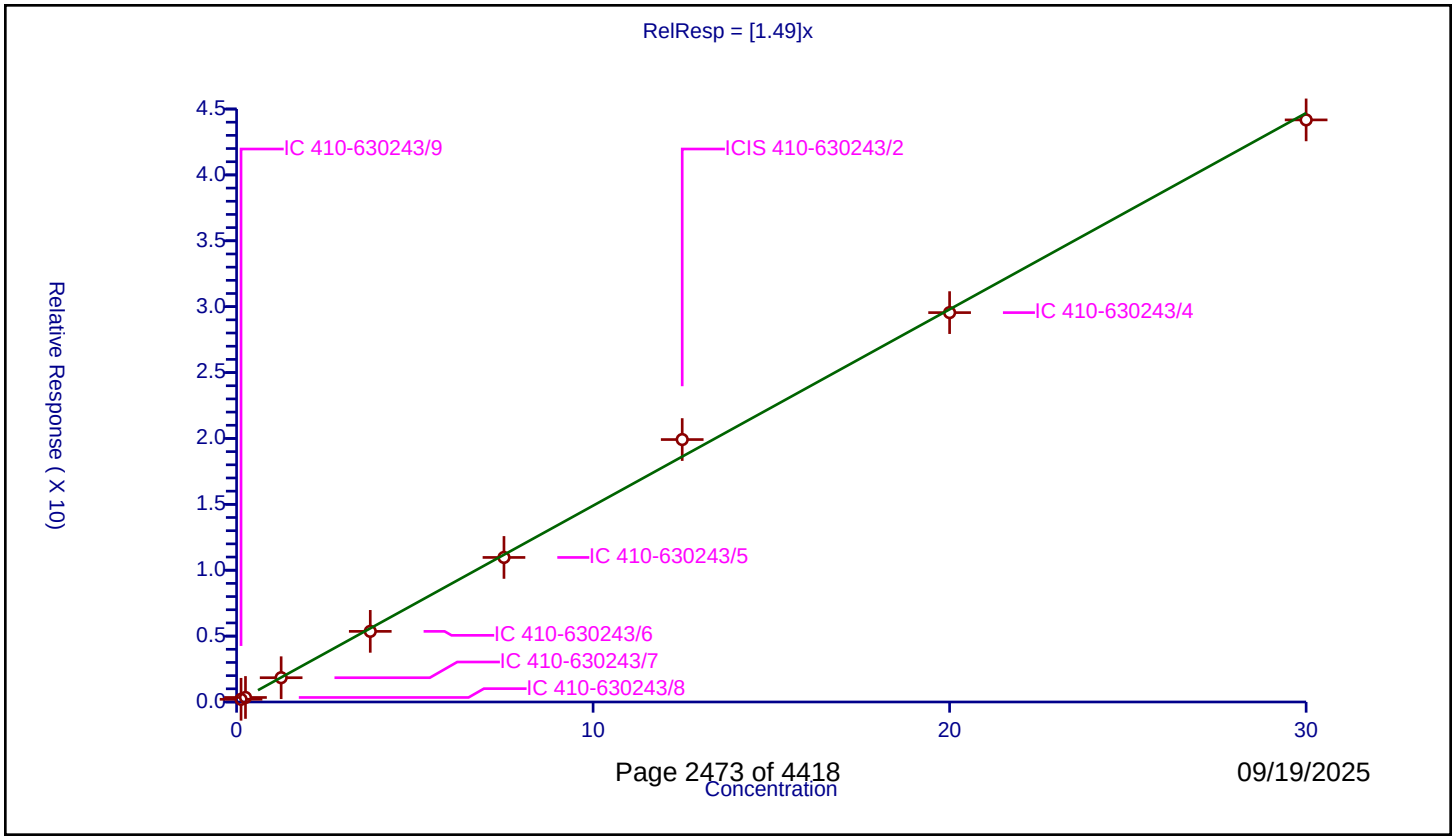
Curve Coefficients

Intercept:	0
Slope:	1.49

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.204616	5.0	226180.0	1.636926	Y
2	IC 410-630243/8	0.25	0.343032	5.0	180464.0	1.37213	Y
3	IC 410-630243/7	1.25	1.843132	5.0	175389.0	1.474505	Y
4	IC 410-630243/6	3.75	5.360713	5.0	185092.0	1.429523	Y
5	IC 410-630243/5	7.5	10.96872	5.0	197539.0	1.462496	Y
6	ICIS 410-630243/2	12.5	19.915424	5.0	181020.0	1.593234	Y
7	IC 410-630243/4	20.0	29.549529	5.0	184873.0	1.477476	Y
8	IC 410-630243/3	30.0	44.173552	5.0	186751.0	1.472452	Y



Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

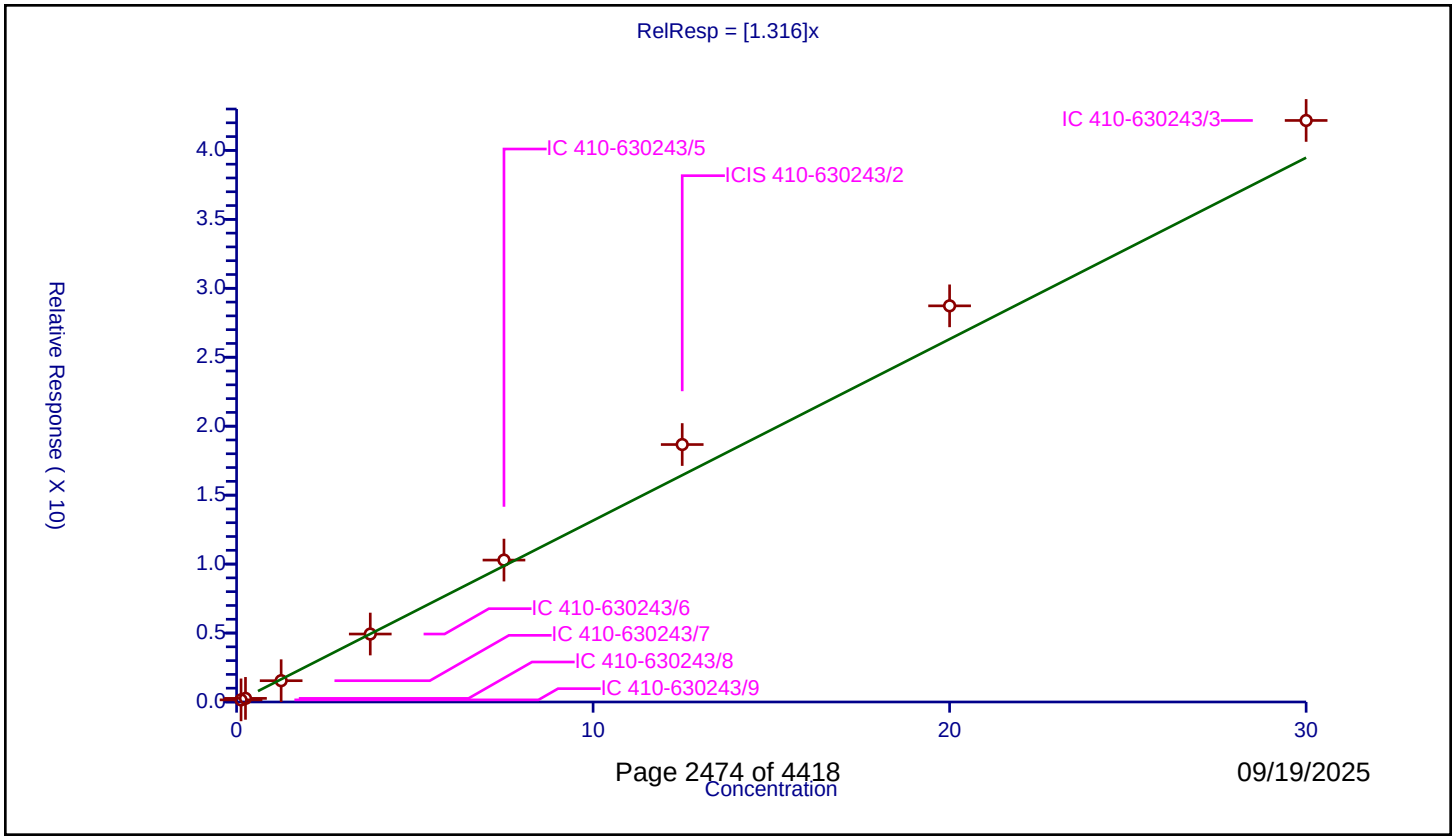
Curve Coefficients

Intercept:	0
Slope:	1.316

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.153064	5.0	226180.0	1.224511	Y
2	IC 410-630243/8	0.25	0.261105	5.0	180464.0	1.044419	Y
3	IC 410-630243/7	1.25	1.543369	5.0	175389.0	1.234695	Y
4	IC 410-630243/6	3.75	4.927739	5.0	185092.0	1.314064	Y
5	IC 410-630243/5	7.5	10.29093	5.0	197539.0	1.372124	Y
6	ICIS 410-630243/2	12.5	18.67034	5.0	181020.0	1.493627	Y
7	IC 410-630243/4	20.0	28.727316	5.0	184873.0	1.436366	Y
8	IC 410-630243/3	30.0	42.16944	5.0	186751.0	1.405648	Y



09/19/2025

Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

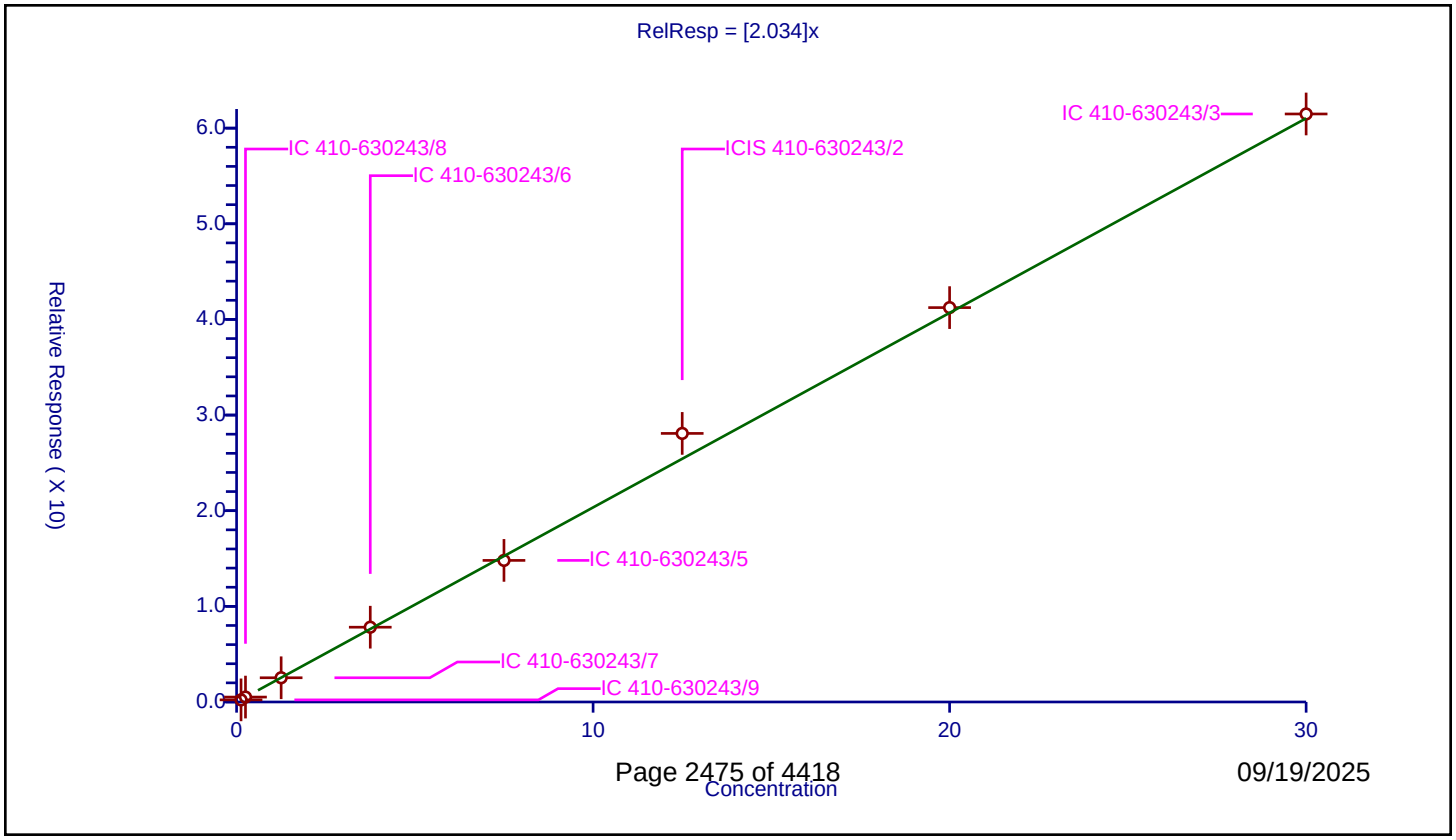
Curve Coefficients

Intercept:	0
Slope:	2.034

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.22219	5.0	226180.0	1.777522	Y
2	IC 410-630243/8	0.25	0.51326	5.0	180464.0	2.053041	Y
3	IC 410-630243/7	1.25	2.533312	5.0	175389.0	2.026649	Y
4	IC 410-630243/6	3.75	7.818679	5.0	185092.0	2.084981	Y
5	IC 410-630243/5	7.5	14.803532	5.0	197539.0	1.973804	Y
6	ICIS 410-630243/2	12.5	28.081041	5.0	181020.0	2.246483	Y
7	IC 410-630243/4	20.0	41.235713	5.0	184873.0	2.061786	Y
8	IC 410-630243/3	30.0	61.481813	5.0	186751.0	2.049394	Y



Calibration / N-Nitrosopyrrolidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

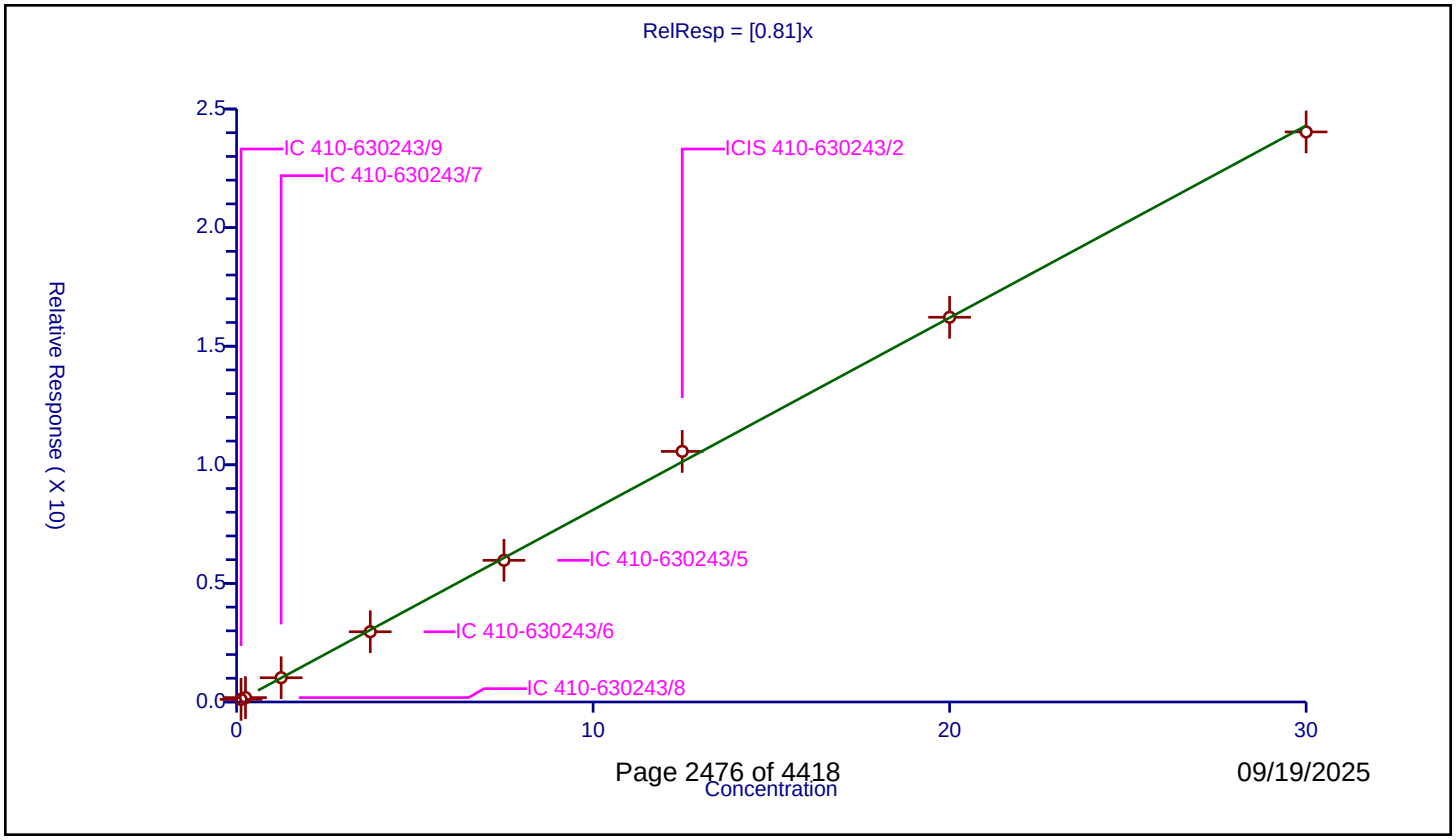
Curve Coefficients

Intercept:	0
Slope:	0.81

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.109824	5.0	226180.0	0.878592	Y
2	IC 410-630243/8	0.25	0.184912	5.0	180464.0	0.739649	Y
3	IC 410-630243/7	1.25	1.023012	5.0	175389.0	0.818409	Y
4	IC 410-630243/6	3.75	2.962338	5.0	185092.0	0.789957	Y
5	IC 410-630243/5	7.5	5.972643	5.0	197539.0	0.796352	Y
6	ICIS 410-630243/2	12.5	10.564744	5.0	181020.0	0.84518	Y
7	IC 410-630243/4	20.0	16.220243	5.0	184873.0	0.811012	Y
8	IC 410-630243/3	30.0	24.034436	5.0	186751.0	0.801148	Y



Calibration / 4-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

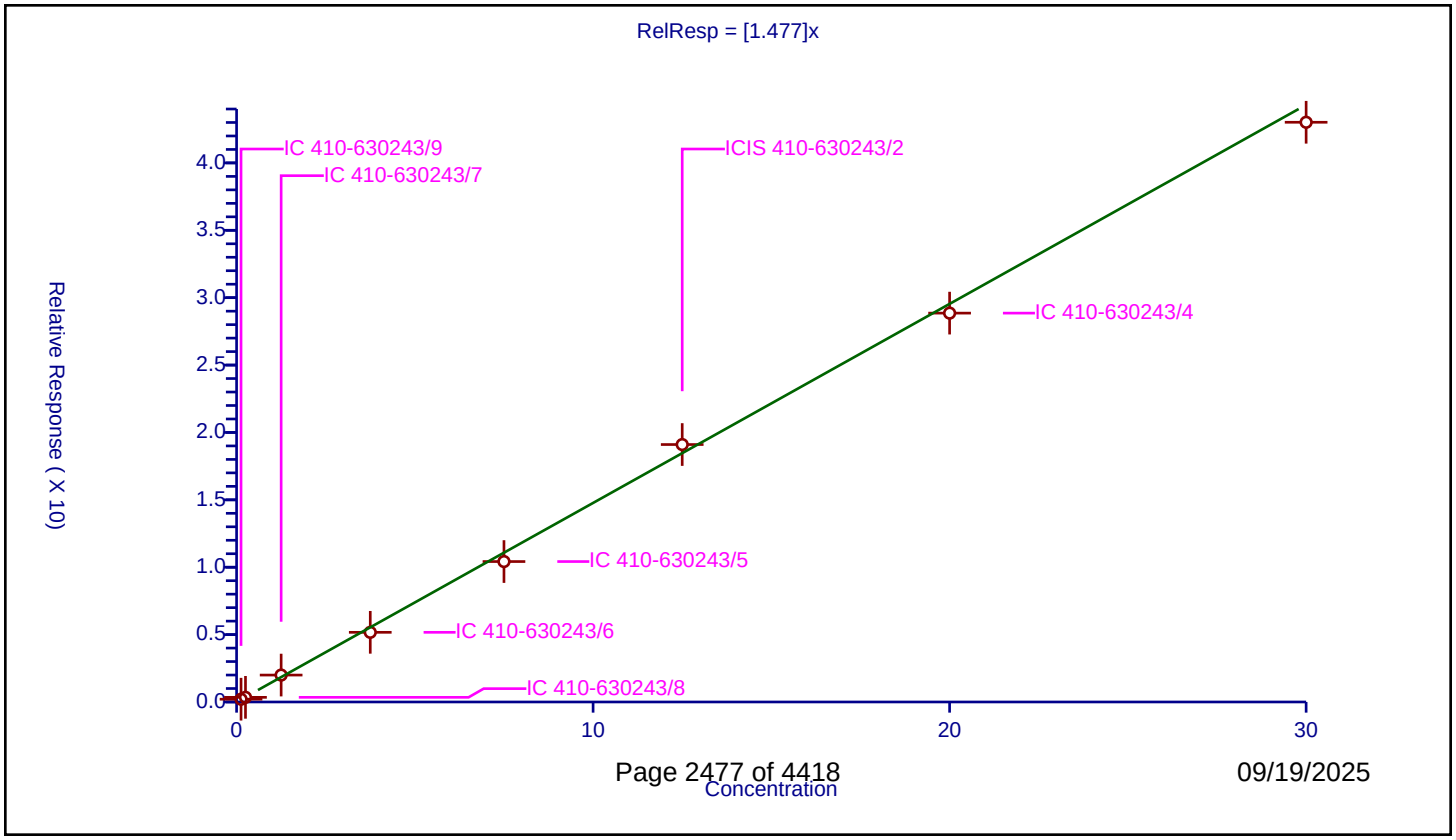
Curve Coefficients

Intercept:	0
Slope:	1.477

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.207622	5.0	226180.0	1.660978	Y
2	IC 410-630243/8	0.25	0.345914	5.0	180464.0	1.383655	Y
3	IC 410-630243/7	1.25	1.998044	5.0	175389.0	1.598435	Y
4	IC 410-630243/6	3.75	5.169294	5.0	185092.0	1.378478	Y
5	IC 410-630243/5	7.5	10.421537	5.0	197539.0	1.389538	Y
6	ICIS 410-630243/2	12.5	19.102641	5.0	181020.0	1.528211	Y
7	IC 410-630243/4	20.0	28.855485	5.0	184873.0	1.442774	Y
8	IC 410-630243/3	30.0	43.016369	5.0	186751.0	1.433879	Y



09/19/2025

Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

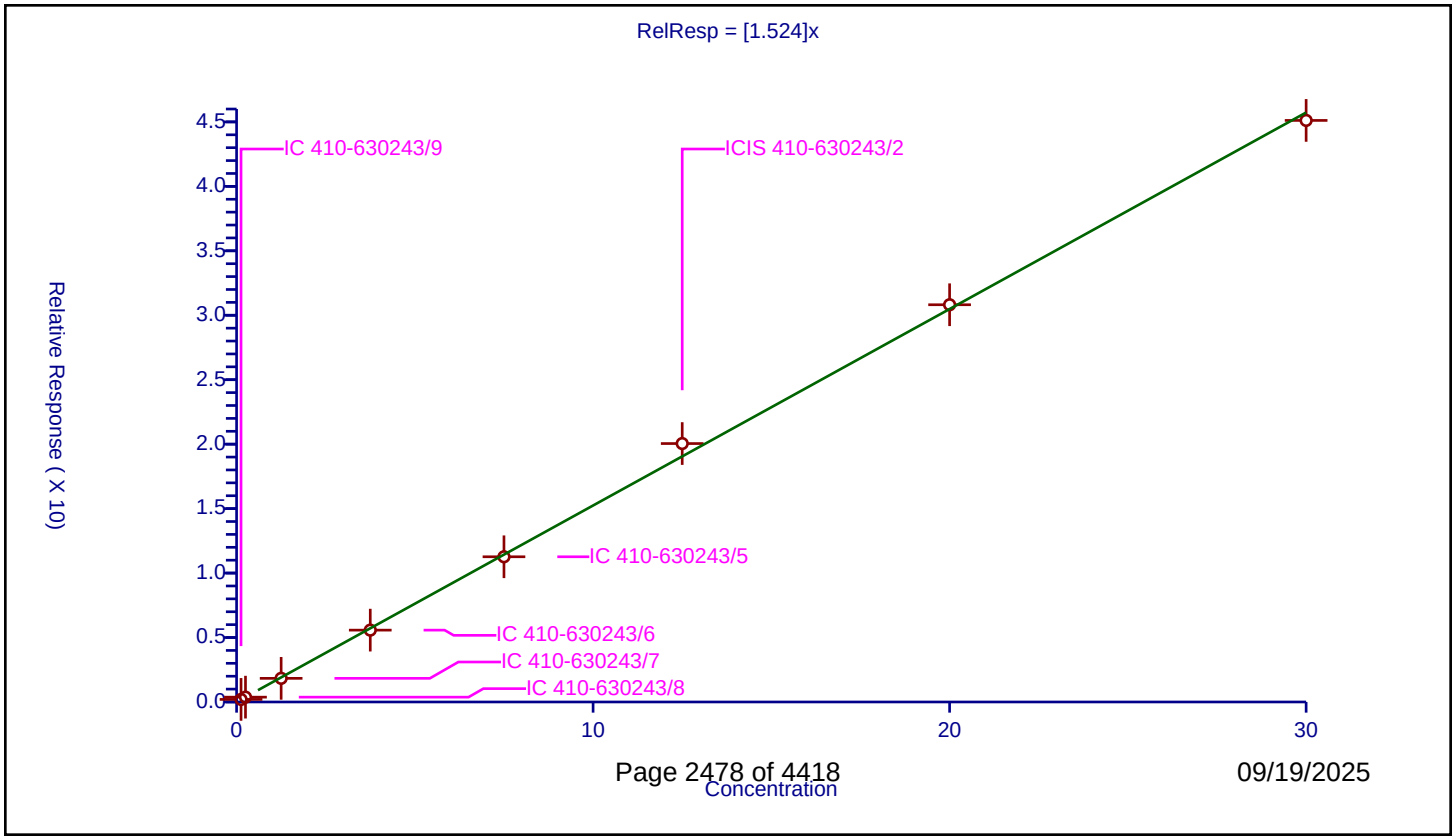
Curve Coefficients

Intercept:	0
Slope:	1.524

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.198691	5.0	226180.0	1.58953	Y
2	IC 410-630243/8	0.25	0.374978	5.0	180464.0	1.499911	Y
3	IC 410-630243/7	1.25	1.834351	5.0	175389.0	1.467481	Y
4	IC 410-630243/6	3.75	5.573823	5.0	185092.0	1.486353	Y
5	IC 410-630243/5	7.5	11.264409	5.0	197539.0	1.501921	Y
6	ICIS 410-630243/2	12.5	20.049	5.0	181020.0	1.60392	Y
7	IC 410-630243/4	20.0	30.816561	5.0	184873.0	1.540828	Y
8	IC 410-630243/3	30.0	45.115475	5.0	186751.0	1.503849	Y



Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

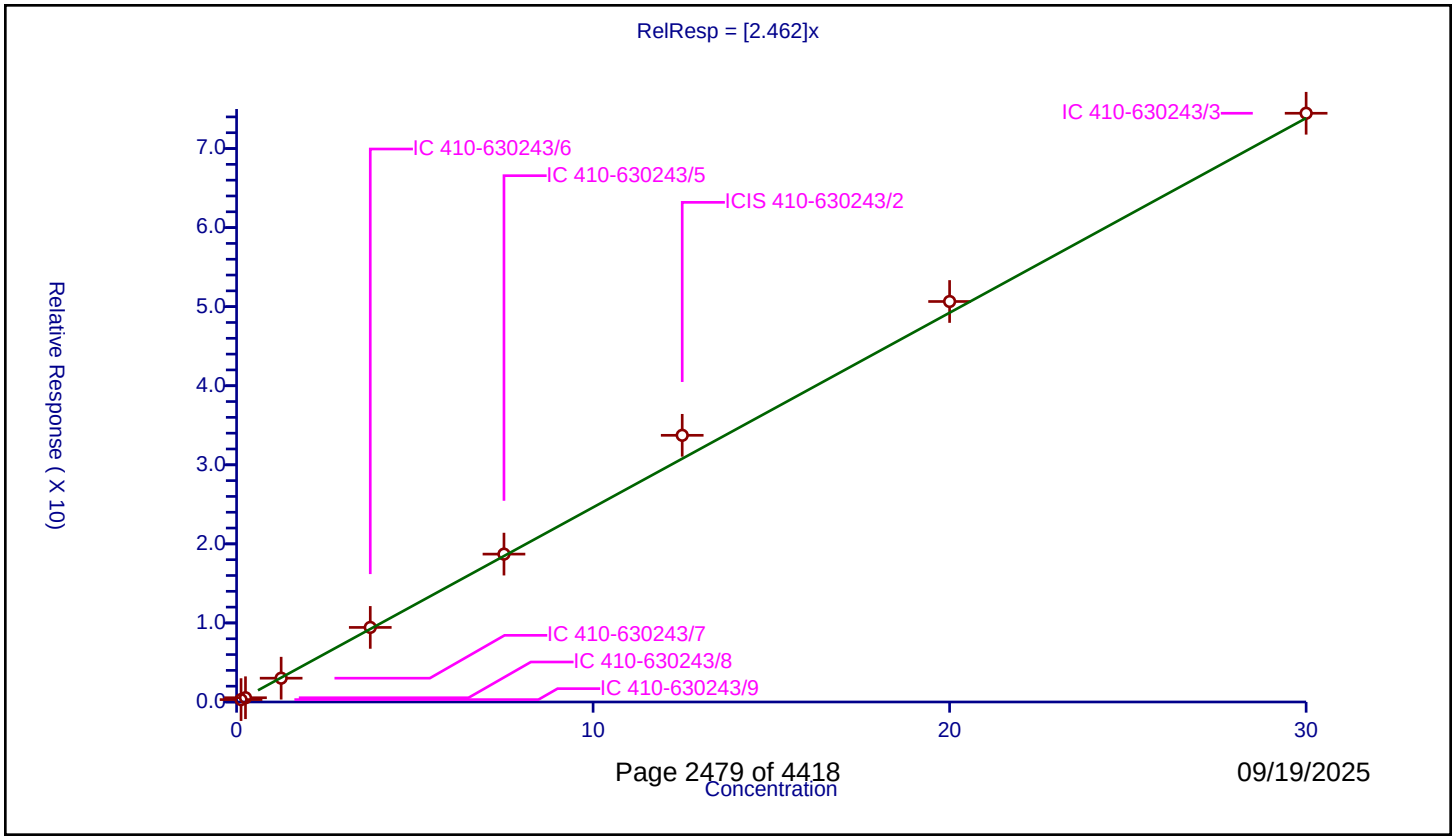
Curve Coefficients

Intercept:	0
Slope:	2.462

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.301972	5.0	226180.0	2.415775	Y
2	IC 410-630243/8	0.25	0.5367	5.0	180464.0	2.146799	Y
3	IC 410-630243/7	1.25	3.01085	5.0	175389.0	2.40868	Y
4	IC 410-630243/6	3.75	9.430986	5.0	185092.0	2.51493	Y
5	IC 410-630243/5	7.5	18.703648	5.0	197539.0	2.49382	Y
6	ICIS 410-630243/2	12.5	33.729671	5.0	181020.0	2.698374	Y
7	IC 410-630243/4	20.0	50.656234	5.0	184873.0	2.532812	Y
8	IC 410-630243/3	30.0	74.462413	5.0	186751.0	2.48208	Y



09/19/2025

Calibration / N-Nitrosomorpholine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

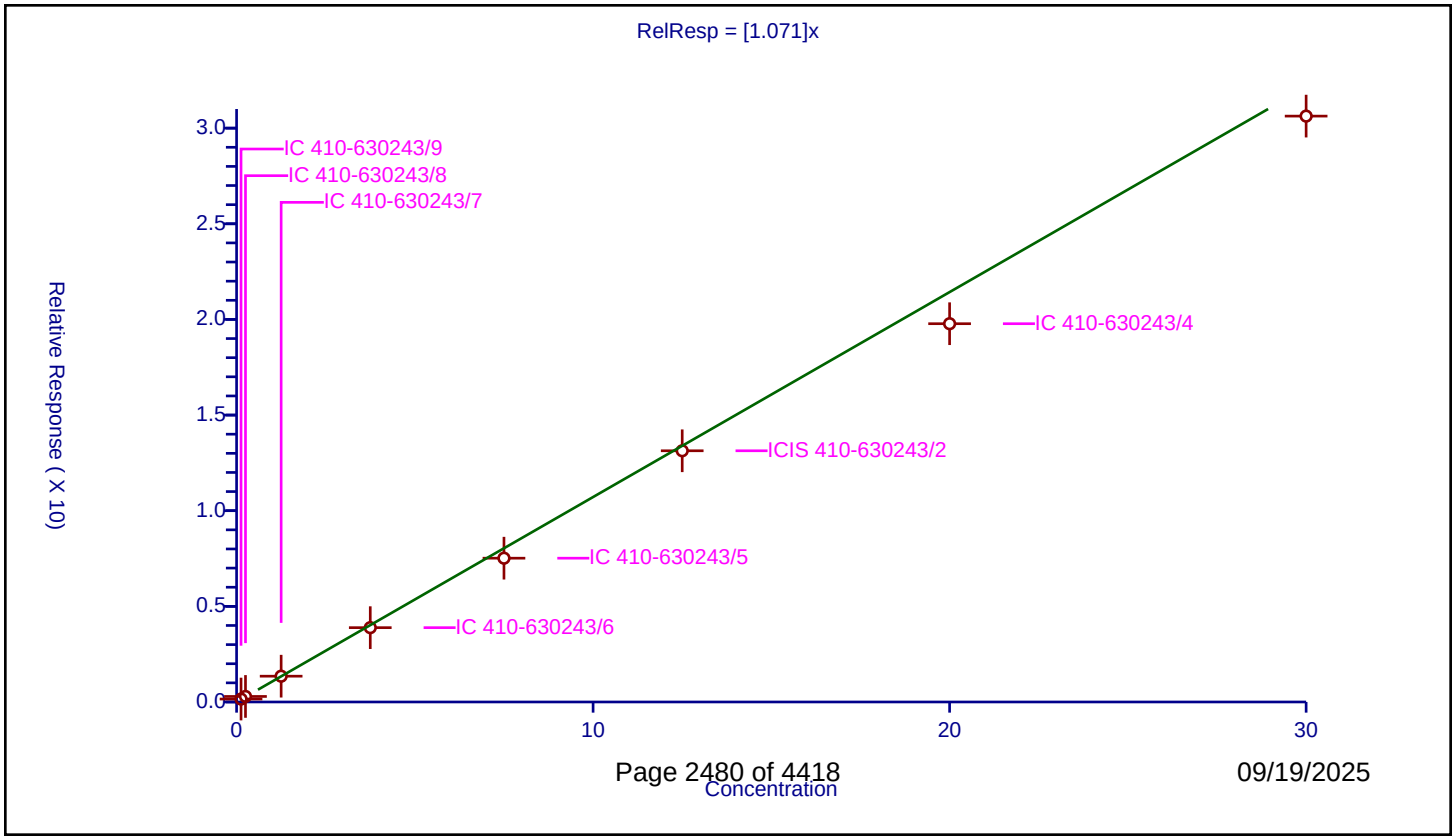
Curve Coefficients

Intercept:	0
Slope:	1.071

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.154457	5.0	226180.0	1.235653	Y
2	IC 410-630243/8	0.25	0.289559	5.0	180464.0	1.158237	Y
3	IC 410-630243/7	1.25	1.348118	5.0	175389.0	1.078494	Y
4	IC 410-630243/6	3.75	3.885446	5.0	185092.0	1.036119	Y
5	IC 410-630243/5	7.5	7.518161	5.0	197539.0	1.002421	Y
6	ICIS 410-630243/2	12.5	13.133797	5.0	181020.0	1.050704	Y
7	IC 410-630243/4	20.0	19.77563	5.0	184873.0	0.988781	Y
8	IC 410-630243/3	30.0	30.629287	5.0	186751.0	1.020976	Y



Calibration / 2-Toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

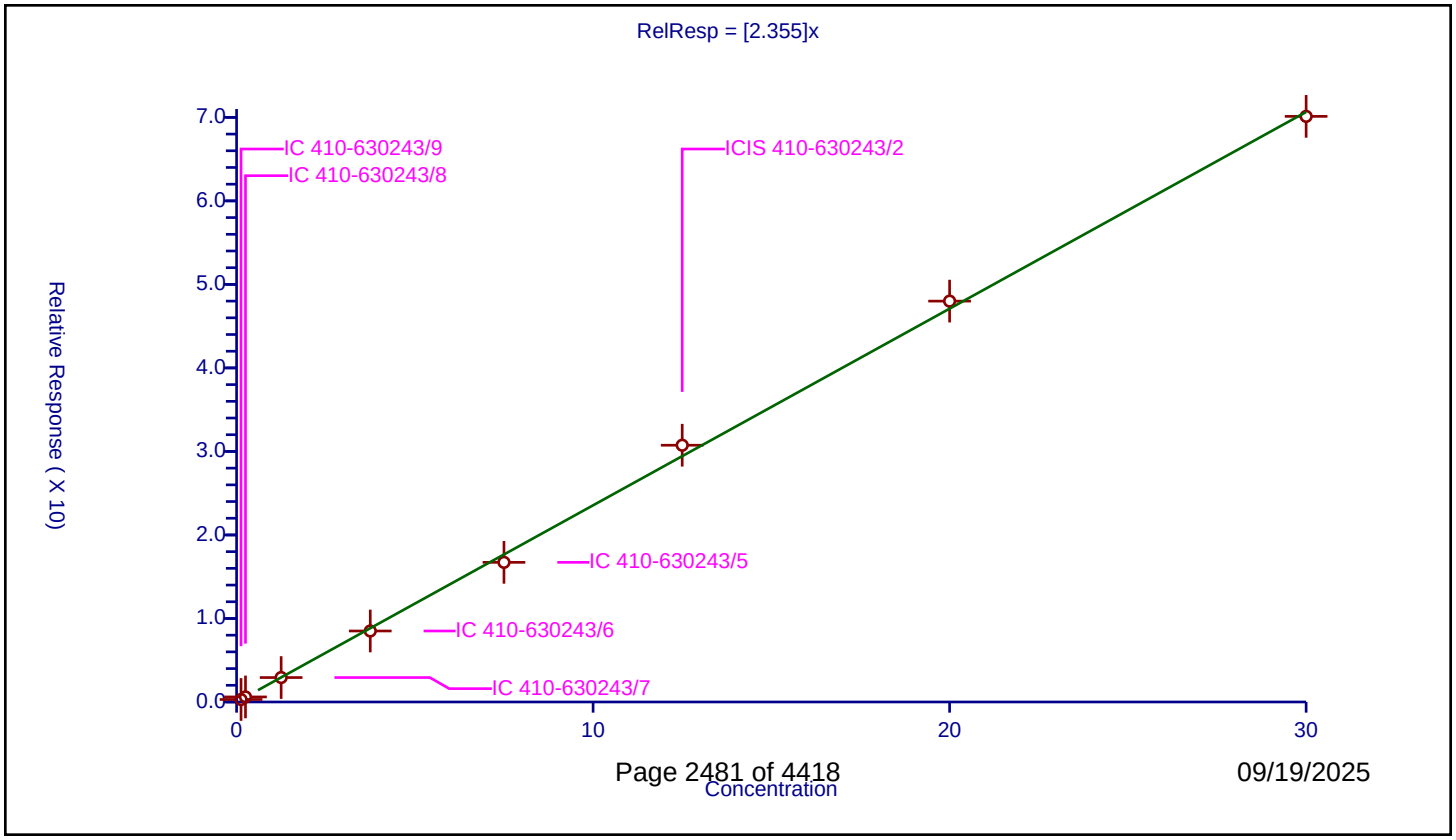
Curve Coefficients

Intercept:	0
Slope:	2.355

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.298855	5.0	226180.0	2.390839	Y
2	IC 410-630243/8	0.25	0.603472	5.0	180464.0	2.413889	Y
3	IC 410-630243/7	1.25	2.926409	5.0	175389.0	2.341127	Y
4	IC 410-630243/6	3.75	8.500313	5.0	185092.0	2.26675	Y
5	IC 410-630243/5	7.5	16.720344	5.0	197539.0	2.229379	Y
6	ICIS 410-630243/2	12.5	30.743205	5.0	181020.0	2.459456	Y
7	IC 410-630243/4	20.0	47.99795	5.0	184873.0	2.399897	Y
8	IC 410-630243/3	30.0	70.118393	5.0	186751.0	2.33728	Y



Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

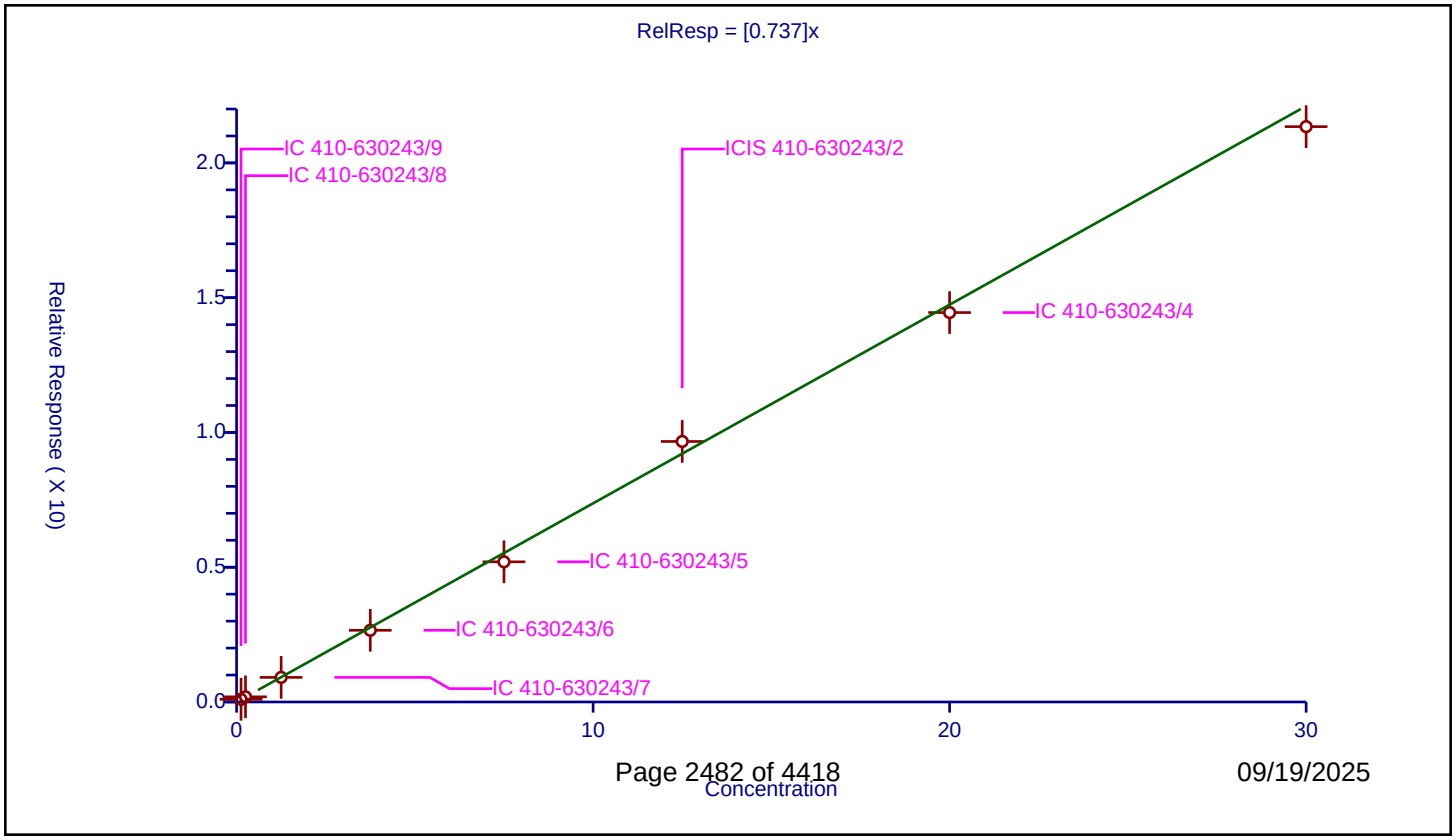
Curve Coefficients

Intercept:	0
Slope:	0.737

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.09908	5.0	226180.0	0.792643	Y
2	IC 410-630243/8	0.25	0.190897	5.0	180464.0	0.763587	Y
3	IC 410-630243/7	1.25	0.912486	5.0	175389.0	0.729989	Y
4	IC 410-630243/6	3.75	2.659596	5.0	185092.0	0.709226	Y
5	IC 410-630243/5	7.5	5.200619	5.0	197539.0	0.693416	Y
6	ICIS 410-630243/2	12.5	9.665258	5.0	181020.0	0.773221	Y
7	IC 410-630243/4	20.0	14.447891	5.0	184873.0	0.722395	Y
8	IC 410-630243/3	30.0	21.346231	5.0	186751.0	0.711541	Y



Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

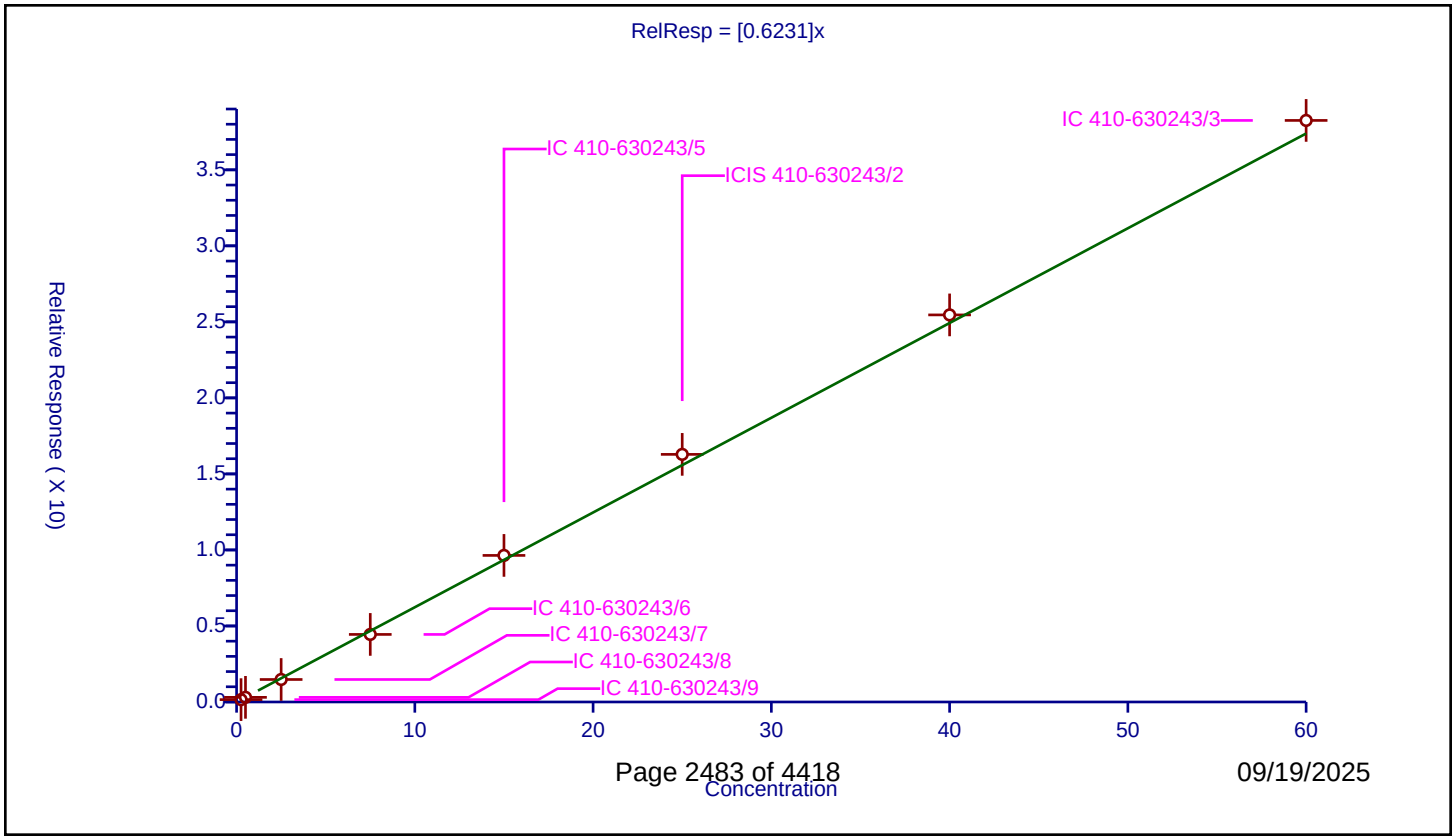
Curve Coefficients

Intercept:	0
Slope:	0.6231

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.25	0.155444	5.0	821100.0	0.621776	Y
2	IC 410-630243/8	0.5	0.305764	5.0	653036.0	0.611528	Y
3	IC 410-630243/7	2.5	1.478607	5.0	659969.0	0.591443	Y
4	IC 410-630243/6	7.5	4.443293	5.0	680232.0	0.592439	Y
5	IC 410-630243/5	15.0	9.63936	5.0	678599.0	0.642624	Y
6	ICIS 410-630243/2	25.0	16.285403	5.0	677126.0	0.651416	Y
7	IC 410-630243/4	40.0	25.458726	5.0	672526.0	0.636468	Y
8	IC 410-630243/3	60.0	38.24857	5.0	656255.0	0.637476	Y



Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

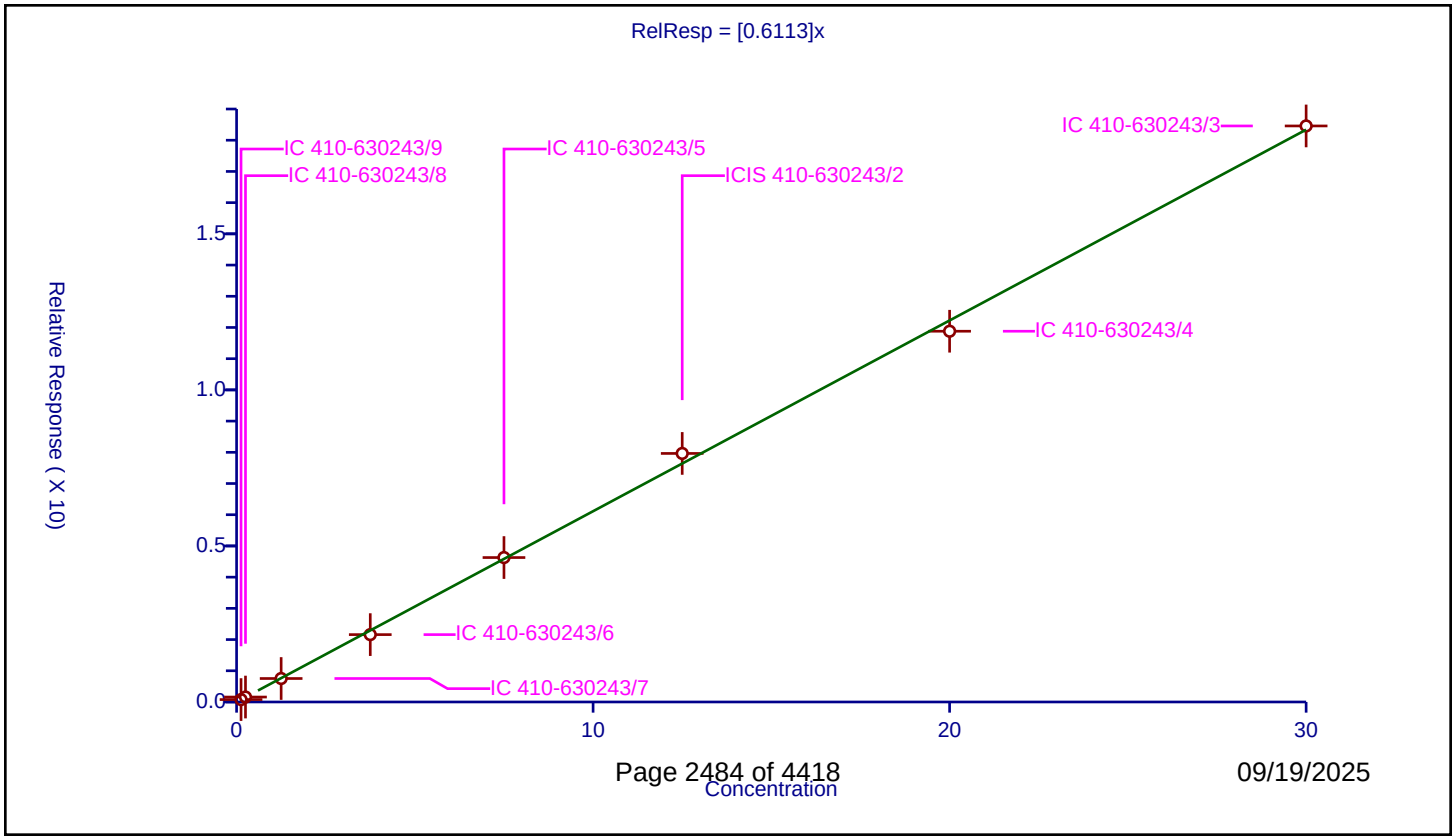
Curve Coefficients

Intercept:	0
Slope:	0.6113

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.077025	5.0	821100.0	0.616198	Y
2	IC 410-630243/8	0.25	0.158261	5.0	653036.0	0.633043	Y
3	IC 410-630243/7	1.25	0.75202	5.0	659969.0	0.601616	Y
4	IC 410-630243/6	3.75	2.159028	5.0	680232.0	0.575741	Y
5	IC 410-630243/5	7.5	4.628205	5.0	678599.0	0.617094	Y
6	ICIS 410-630243/2	12.5	7.963496	5.0	677126.0	0.63708	Y
7	IC 410-630243/4	20.0	11.880121	5.0	672526.0	0.594006	Y
8	IC 410-630243/3	30.0	18.457505	5.0	656255.0	0.61525	Y



Calibration / N-Nitrosopiperidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

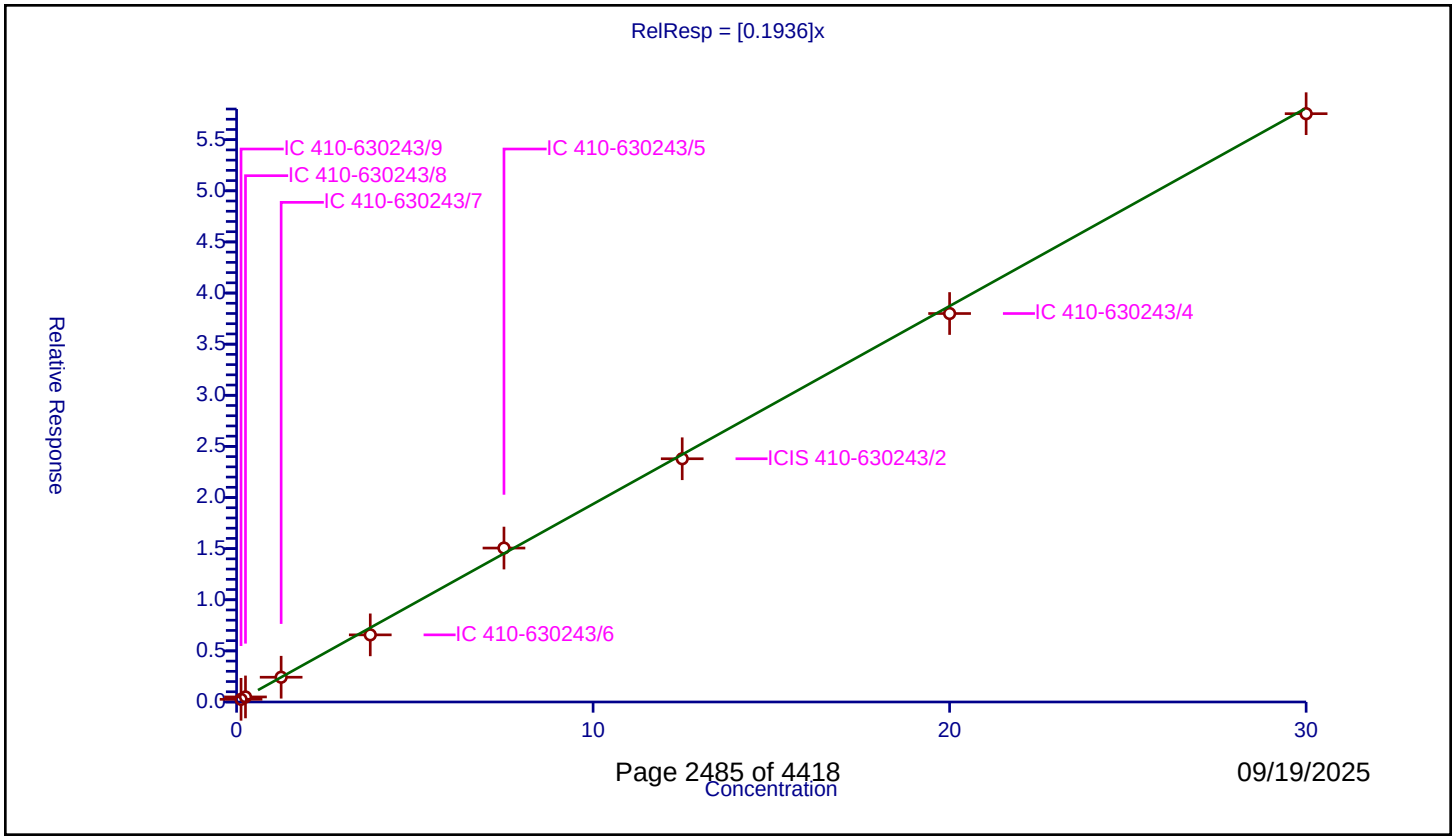
Curve Coefficients

Intercept:	0
Slope:	0.1936

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.026142	5.0	821100.0	0.209134	Y
2	IC 410-630243/8	0.25	0.049553	5.0	653036.0	0.198213	Y
3	IC 410-630243/7	1.25	0.242133	5.0	659969.0	0.193706	Y
4	IC 410-630243/6	3.75	0.656592	5.0	680232.0	0.175091	Y
5	IC 410-630243/5	7.5	1.505698	5.0	678599.0	0.20076	Y
6	ICIS 410-630243/2	12.5	2.379136	5.0	677126.0	0.190331	Y
7	IC 410-630243/4	20.0	3.799801	5.0	672526.0	0.18999	Y
8	IC 410-630243/3	30.0	5.754249	5.0	656255.0	0.191808	Y



Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

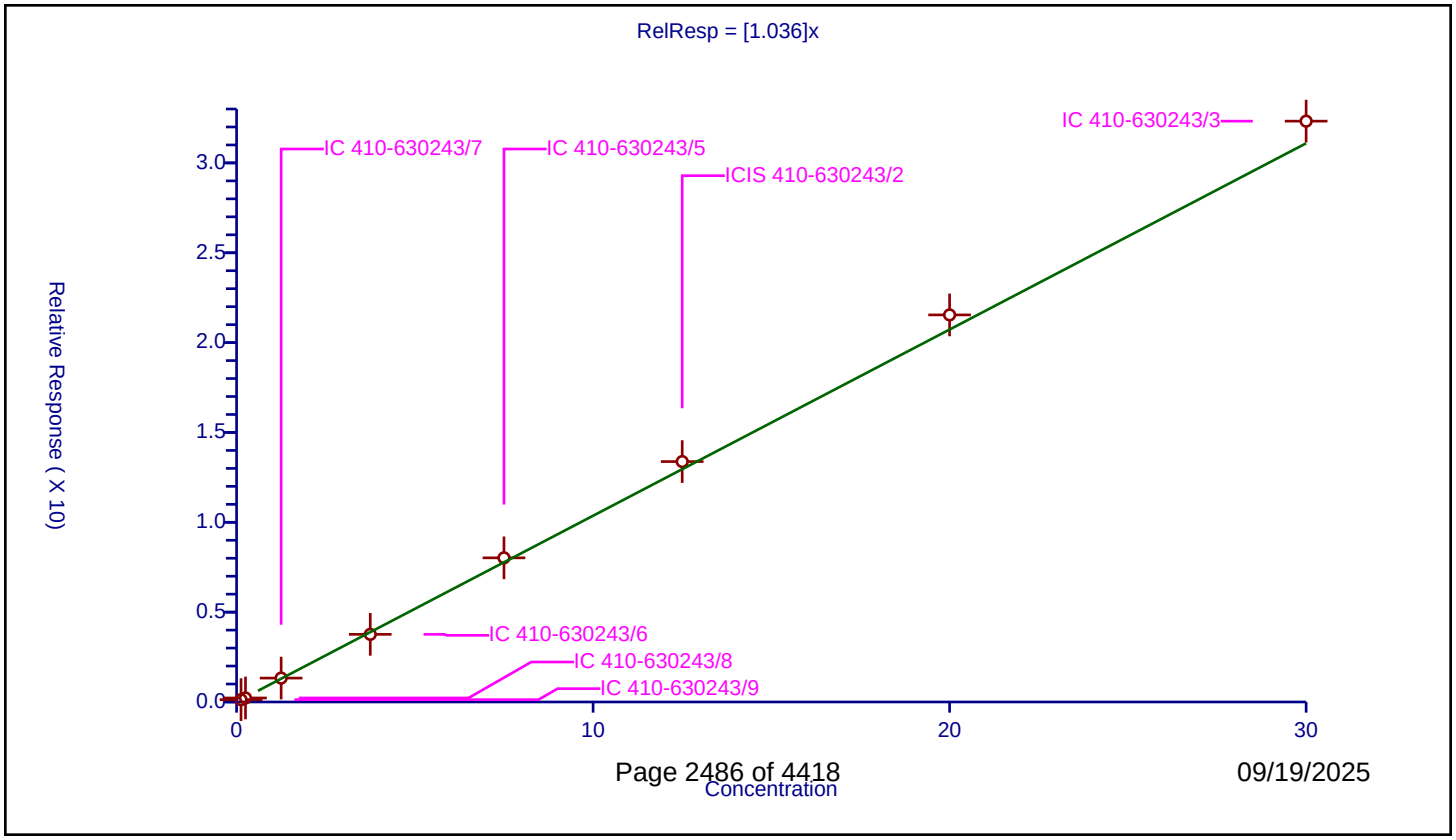
Curve Coefficients

Intercept:	0
Slope:	1.036

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.12946	5.0	821100.0	1.035684	Y
2	IC 410-630243/8	0.25	0.223341	5.0	653036.0	0.893366	Y
3	IC 410-630243/7	1.25	1.329729	5.0	659969.0	1.063783	Y
4	IC 410-630243/6	3.75	3.764341	5.0	680232.0	1.003824	Y
5	IC 410-630243/5	7.5	8.021527	5.0	678599.0	1.069537	Y
6	ICIS 410-630243/2	12.5	13.378972	5.0	677126.0	1.070318	Y
7	IC 410-630243/4	20.0	21.54139	5.0	672526.0	1.07707	Y
8	IC 410-630243/3	30.0	32.324287	5.0	656255.0	1.077476	Y



09/19/2025

Calibration / 2-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

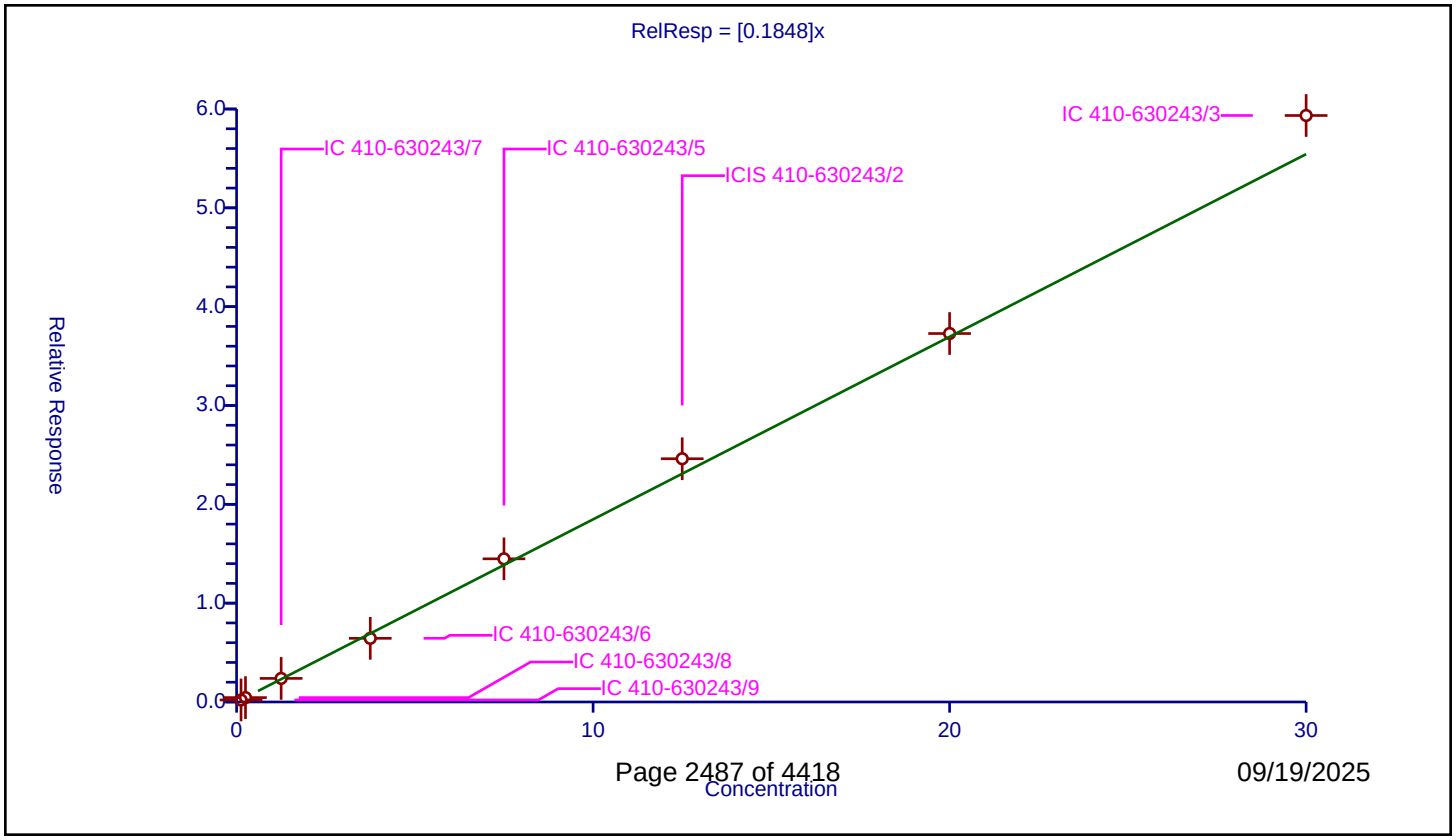
Curve Coefficients

Intercept:	0
Slope:	0.1848

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.020442	5.0	821100.0	0.163537	Y
2	IC 410-630243/8	0.25	0.044439	5.0	653036.0	0.177754	Y
3	IC 410-630243/7	1.25	0.238526	5.0	659969.0	0.190821	Y
4	IC 410-630243/6	3.75	0.64428	5.0	680232.0	0.171808	Y
5	IC 410-630243/5	7.5	1.448617	5.0	678599.0	0.193149	Y
6	ICIS 410-630243/2	12.5	2.461351	5.0	677126.0	0.196908	Y
7	IC 410-630243/4	20.0	3.728369	5.0	672526.0	0.186418	Y
8	IC 410-630243/3	30.0	5.934454	5.0	656255.0	0.197815	Y



09/19/2025

Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

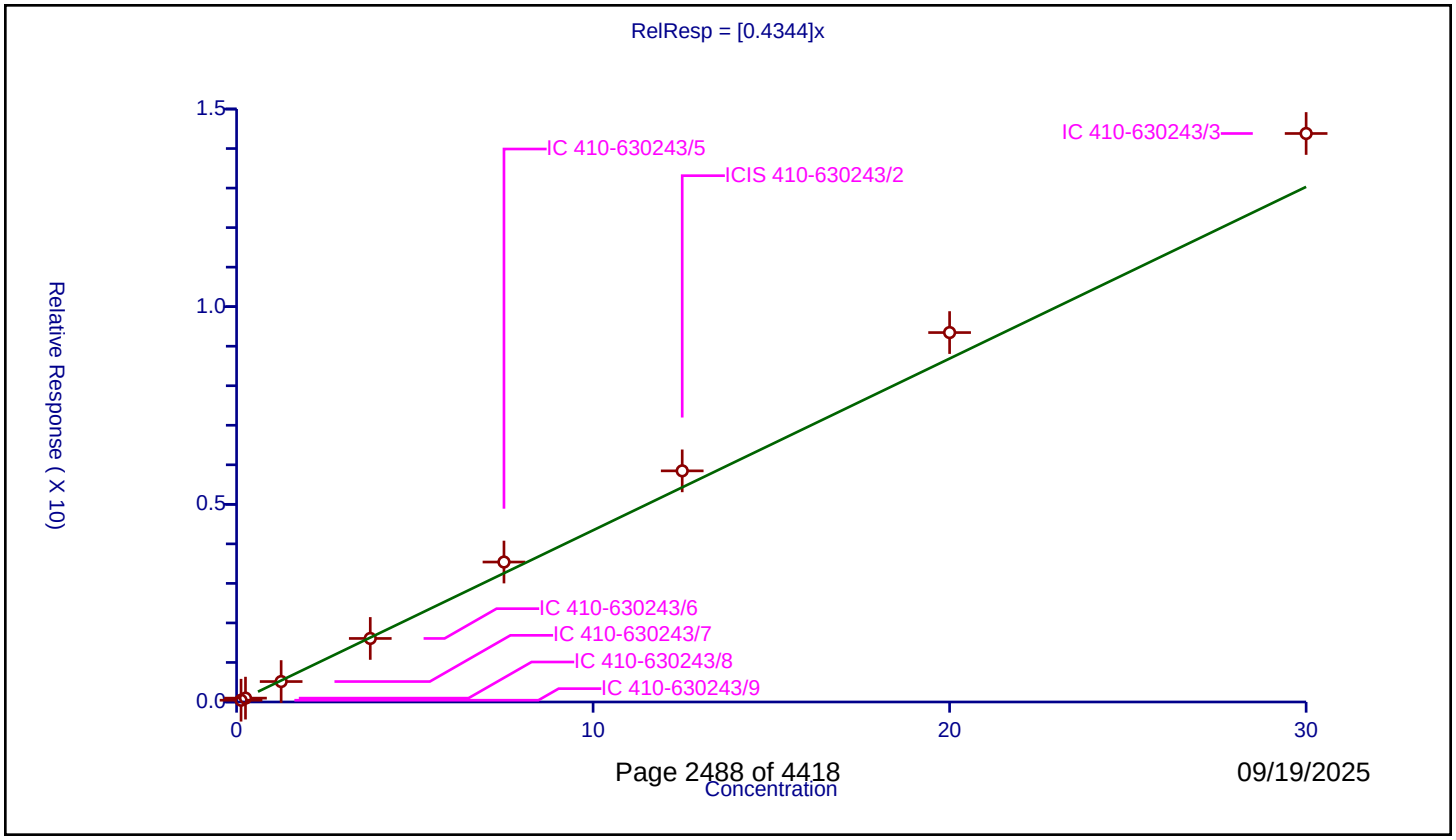
Curve Coefficients

Intercept:	0
Slope:	0.4344

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.04458	5.0	821100.0	0.356644	Y
2	IC 410-630243/8	0.25	0.097437	5.0	653036.0	0.389749	Y
3	IC 410-630243/7	1.25	0.516918	5.0	659969.0	0.413535	Y
4	IC 410-630243/6	3.75	1.607069	5.0	680232.0	0.428552	Y
5	IC 410-630243/5	7.5	3.540626	5.0	678599.0	0.472083	Y
6	ICIS 410-630243/2	12.5	5.846563	5.0	677126.0	0.467725	Y
7	IC 410-630243/4	20.0	9.345304	5.0	672526.0	0.467265	Y
8	IC 410-630243/3	30.0	14.380911	5.0	656255.0	0.479364	Y



Calibration

/ o,o',o''-Triethylphosphorothioate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

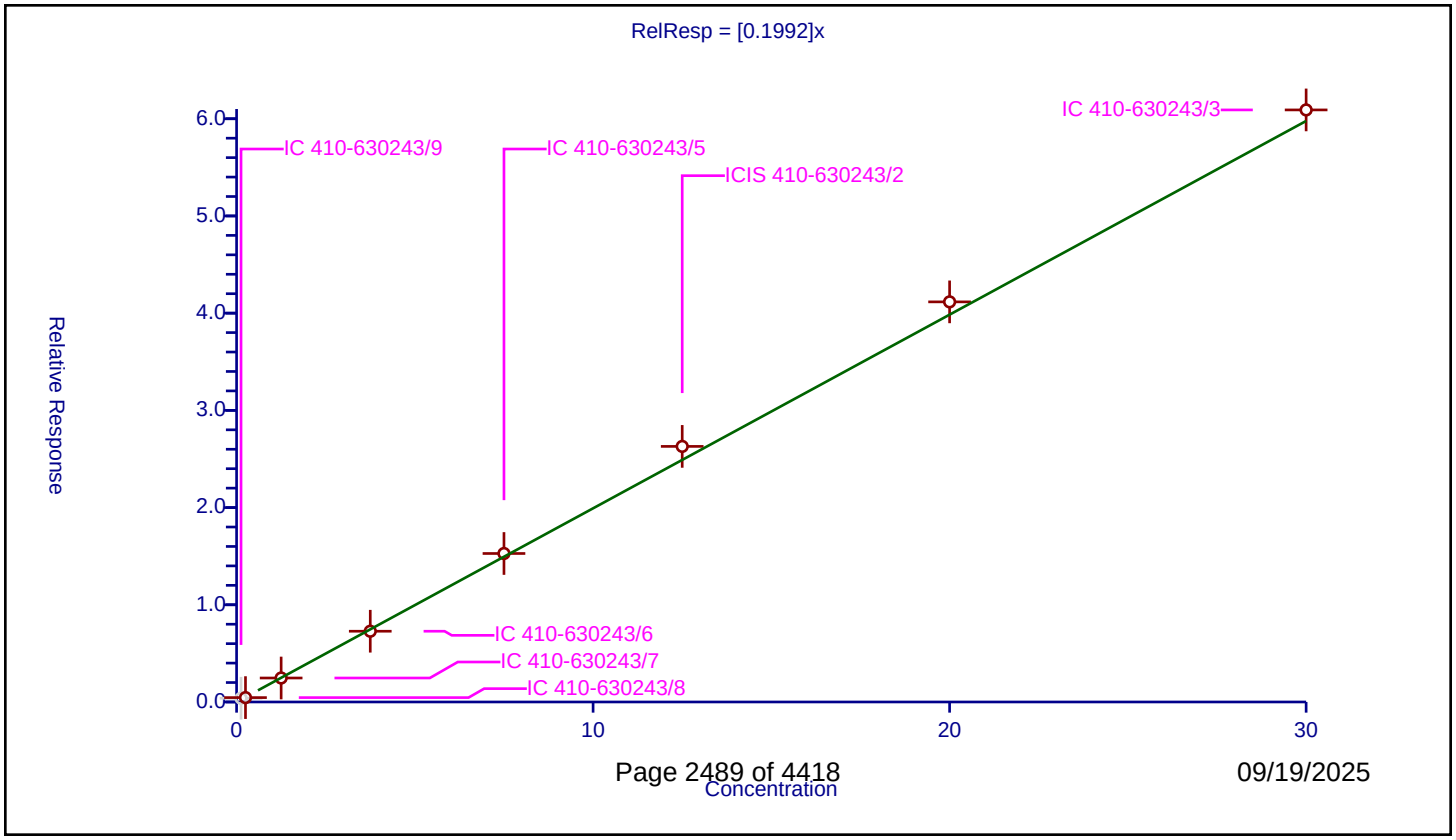
Curve Coefficients

Intercept:	0
Slope:	0.1992

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.038448	5.0	821100.0	0.307587	N
2	IC 410-630243/8	0.25	0.045059	5.0	653036.0	0.180235	Y
3	IC 410-630243/7	1.25	0.246716	5.0	659969.0	0.197373	Y
4	IC 410-630243/6	3.75	0.727994	5.0	680232.0	0.194132	Y
5	IC 410-630243/5	7.5	1.527448	5.0	678599.0	0.20366	Y
6	ICIS 410-630243/2	12.5	2.629171	5.0	677126.0	0.210334	Y
7	IC 410-630243/4	20.0	4.116183	5.0	672526.0	0.205809	Y
8	IC 410-630243/3	30.0	6.090582	5.0	656255.0	0.203019	Y



09/19/2025

Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

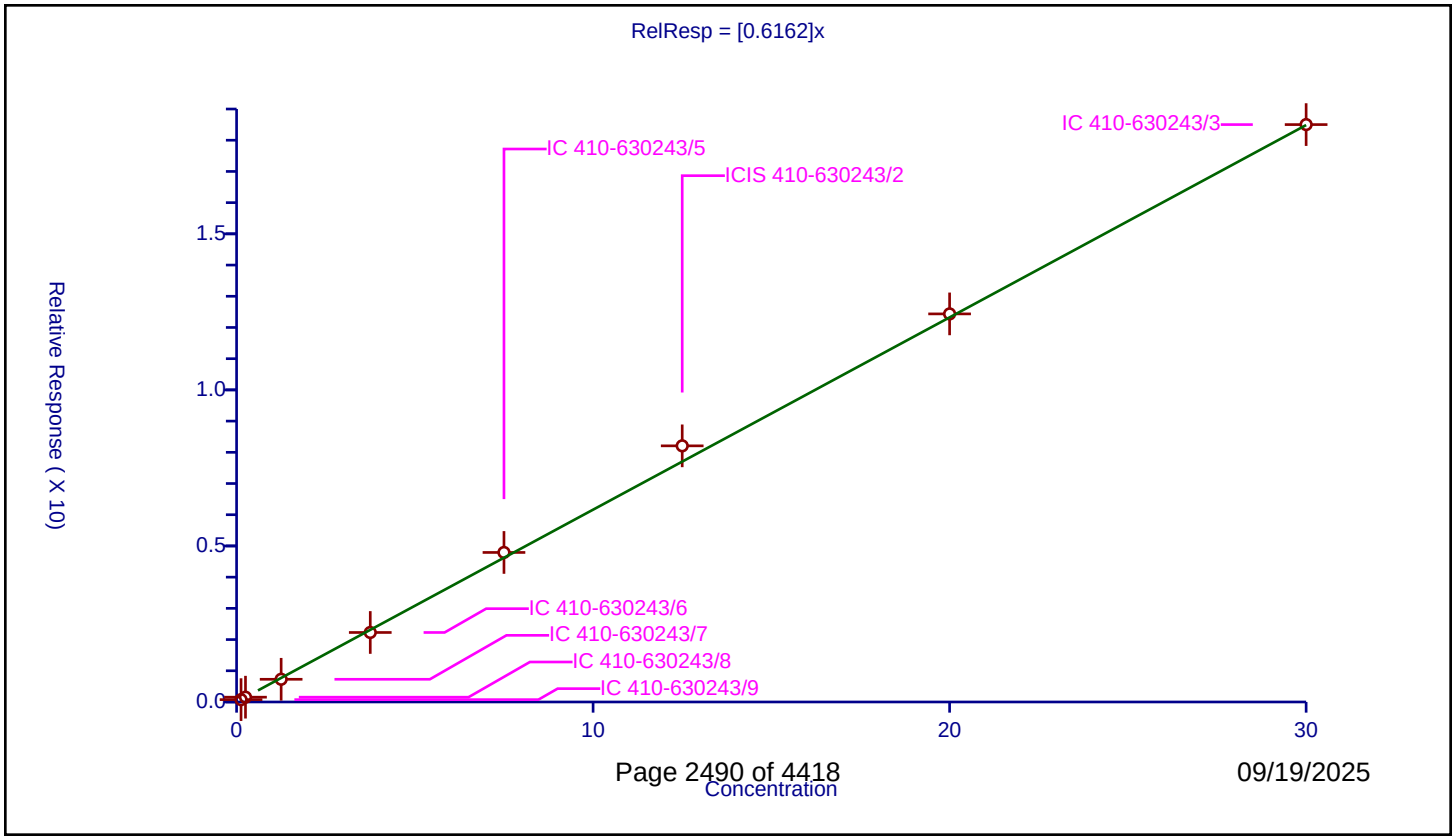
Curve Coefficients

Intercept:	0
Slope:	0.6162

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.075454	5.0	821100.0	0.603629	Y
2	IC 410-630243/8	0.25	0.153988	5.0	653036.0	0.615954	Y
3	IC 410-630243/7	1.25	0.727701	5.0	659969.0	0.582161	Y
4	IC 410-630243/6	3.75	2.226946	5.0	680232.0	0.593852	Y
5	IC 410-630243/5	7.5	4.791541	5.0	678599.0	0.638872	Y
6	ICIS 410-630243/2	12.5	8.207372	5.0	677126.0	0.65659	Y
7	IC 410-630243/4	20.0	12.434969	5.0	672526.0	0.621748	Y
8	IC 410-630243/3	30.0	18.501269	5.0	656255.0	0.616709	Y



Calibration / alpha,alpha-Dimethyl phenethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

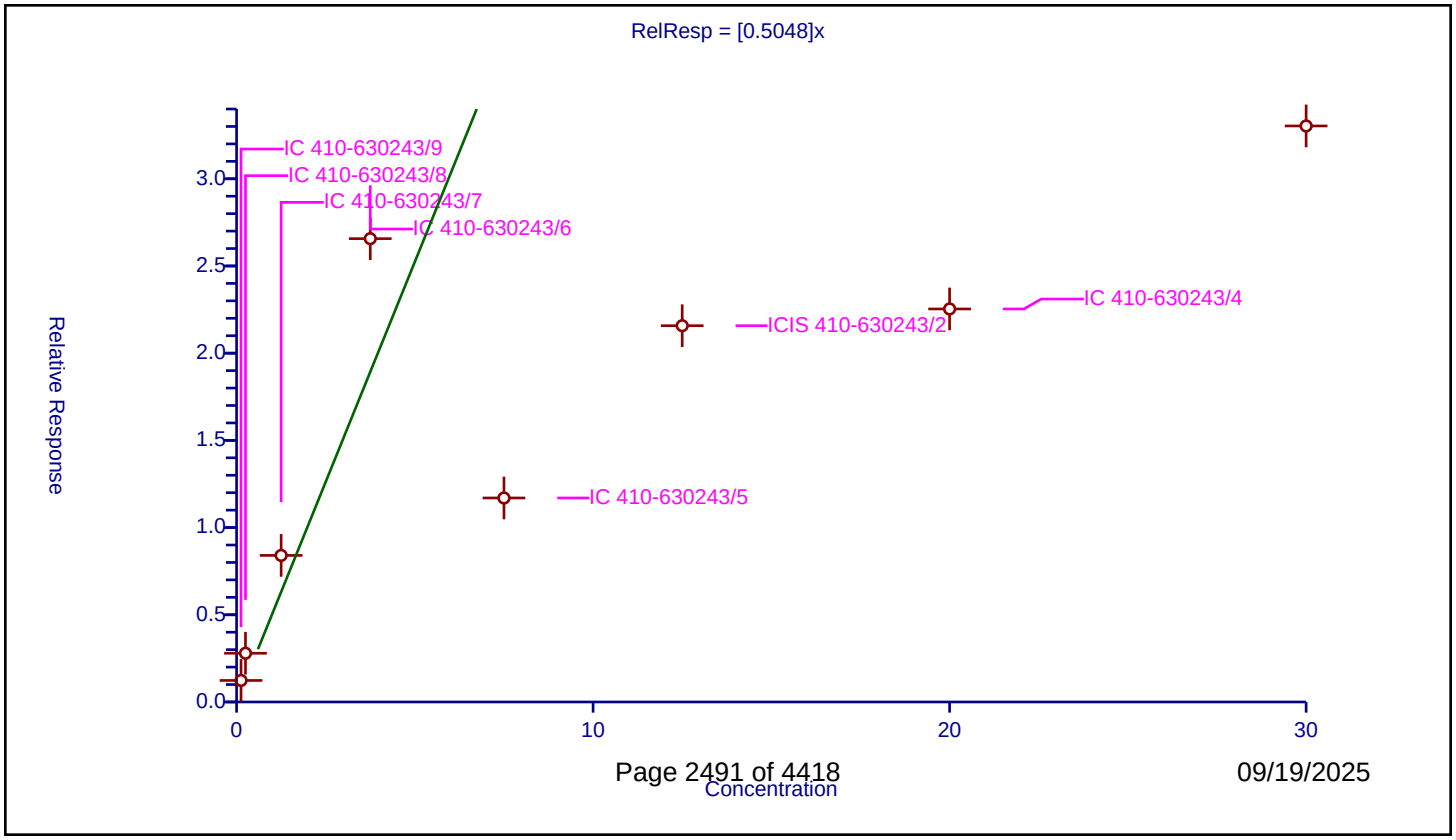
Curve Coefficients

Intercept:	0
Slope:	0.5048

Error Coefficients

Relative Standard Deviation:	82.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.123493	5.0	821100.0	0.987943	Y
2	IC 410-630243/8	0.25	0.279472	5.0	653036.0	1.117886	Y
3	IC 410-630243/7	1.25	0.840486	5.0	659969.0	0.672389	Y
4	IC 410-630243/6	3.75	2.656726	5.0	680232.0	0.70846	Y
5	IC 410-630243/5	7.5	1.169763	5.0	678599.0	0.155968	Y
6	ICIS 410-630243/2	12.5	2.157523	5.0	677126.0	0.172602	Y
7	IC 410-630243/4	20.0	2.253593	5.0	672526.0	0.11268	Y
8	IC 410-630243/3	30.0	3.302901	5.0	656255.0	0.110097	Y



Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

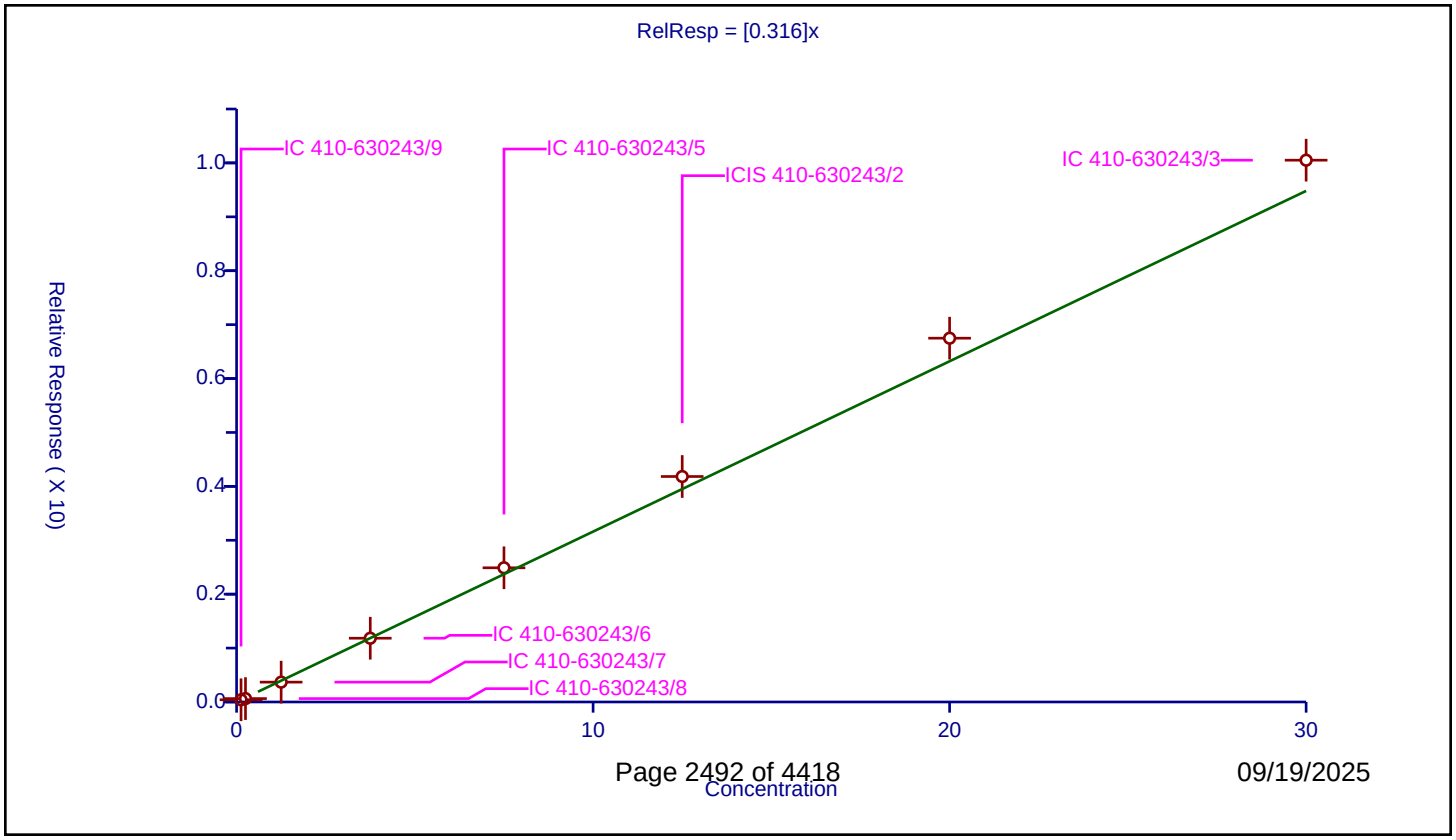
Curve Coefficients

Intercept:	0
Slope:	0.316

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.040817	5.0	821100.0	0.326538	Y
2	IC 410-630243/8	0.25	0.063212	5.0	653036.0	0.25285	Y
3	IC 410-630243/7	1.25	0.36807	5.0	659969.0	0.294456	Y
4	IC 410-630243/6	3.75	1.182795	5.0	680232.0	0.315412	Y
5	IC 410-630243/5	7.5	2.489651	5.0	678599.0	0.331954	Y
6	ICIS 410-630243/2	12.5	4.182634	5.0	677126.0	0.334611	Y
7	IC 410-630243/4	20.0	6.748587	5.0	672526.0	0.337429	Y
8	IC 410-630243/3	30.0	10.050704	5.0	656255.0	0.335023	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

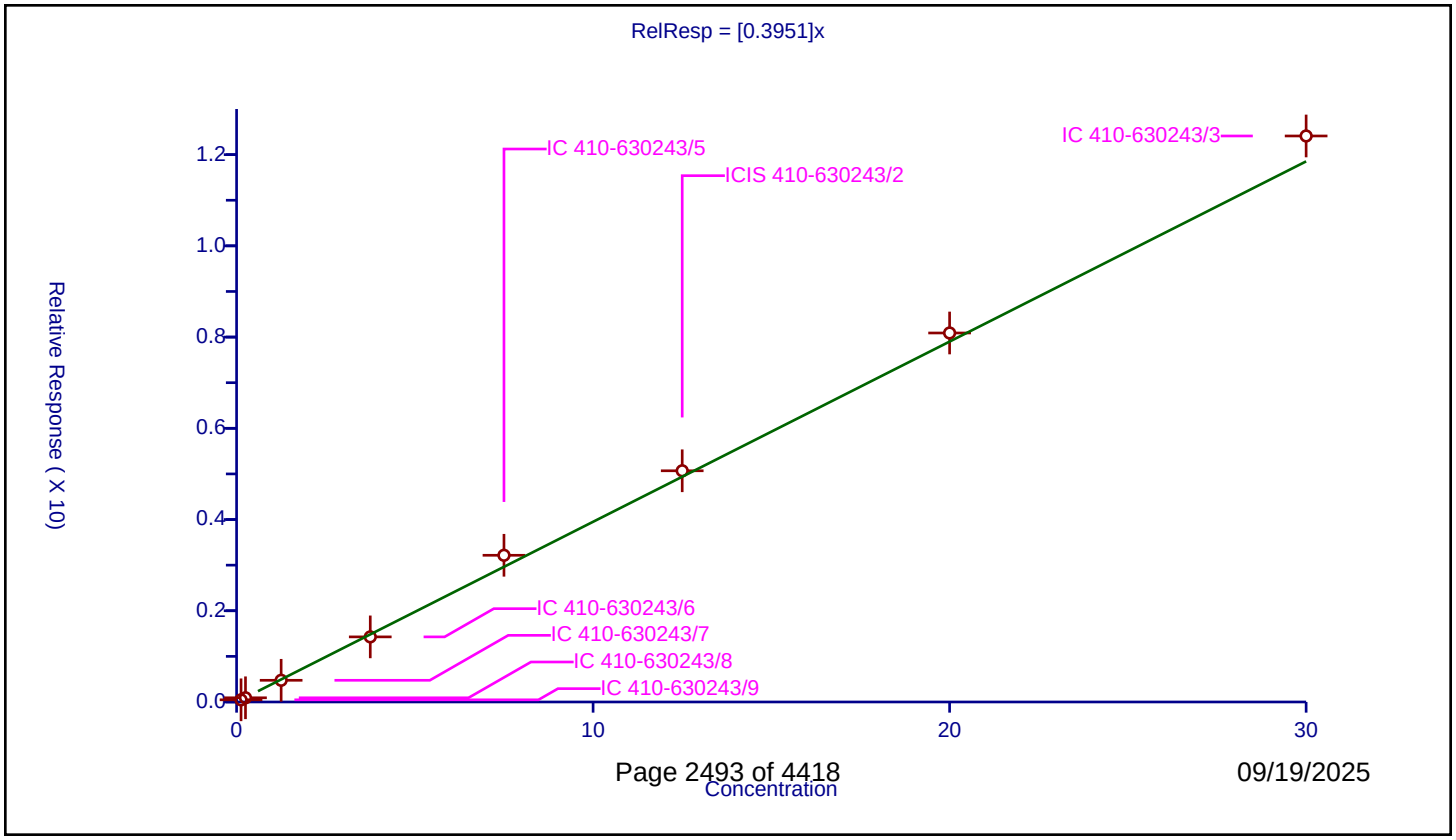
Curve Coefficients

Intercept:	0
Slope:	0.3951

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.0474	5.0	821100.0	0.379199	Y
2	IC 410-630243/8	0.25	0.091909	5.0	653036.0	0.367637	Y
3	IC 410-630243/7	1.25	0.475681	5.0	659969.0	0.380545	Y
4	IC 410-630243/6	3.75	1.427263	5.0	680232.0	0.380603	Y
5	IC 410-630243/5	7.5	3.21606	5.0	678599.0	0.428808	Y
6	ICIS 410-630243/2	12.5	5.068806	5.0	677126.0	0.405504	Y
7	IC 410-630243/4	20.0	8.089955	5.0	672526.0	0.404498	Y
8	IC 410-630243/3	30.0	12.409018	5.0	656255.0	0.413634	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

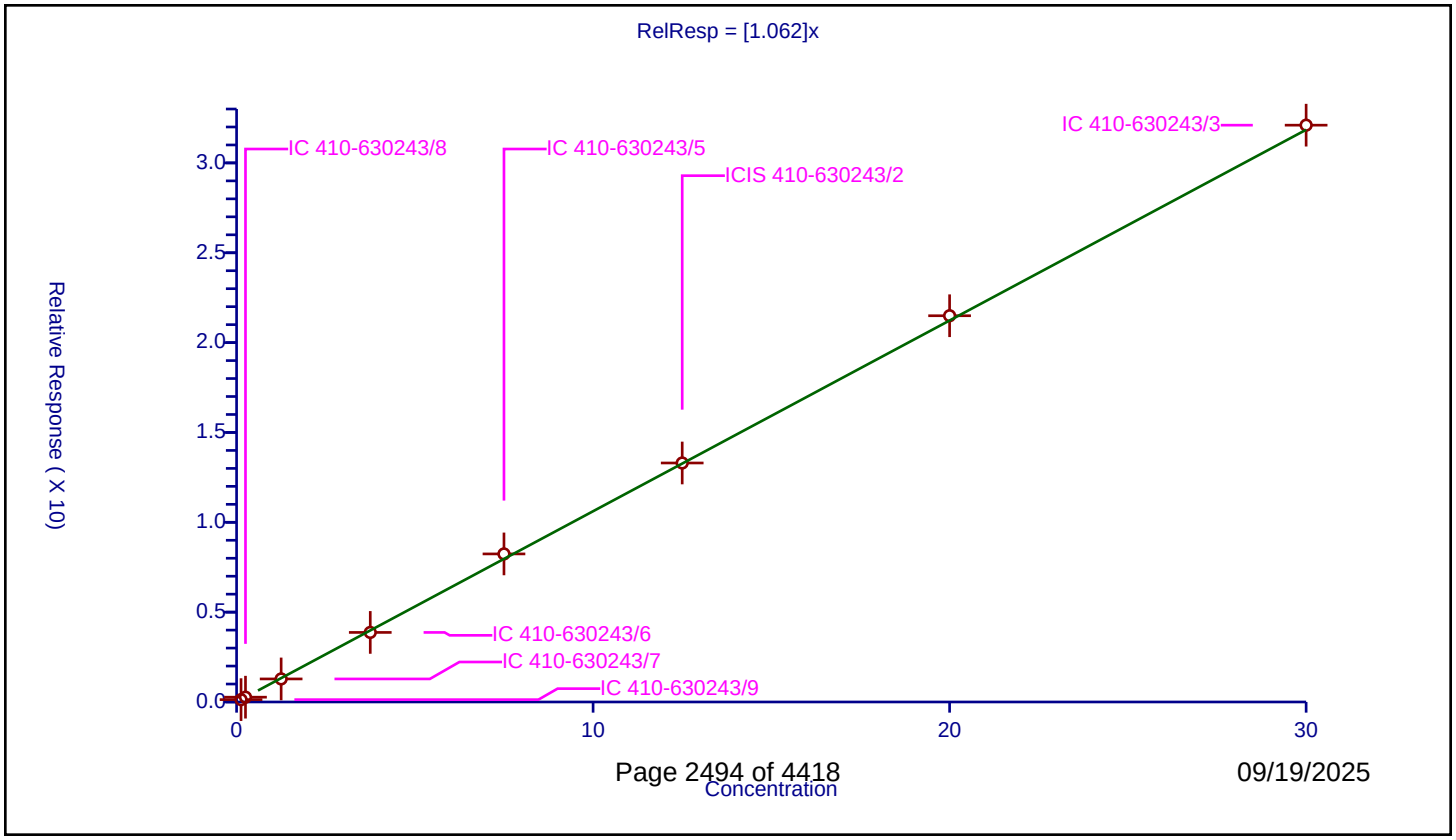
Curve Coefficients

Intercept:	0
Slope:	1.062

Error Coefficients

Relative Standard Deviation:	2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.131787	5.0	821100.0	1.054293	Y
2	IC 410-630243/8	0.25	0.267926	5.0	653036.0	1.071702	Y
3	IC 410-630243/7	1.25	1.283128	5.0	659969.0	1.026503	Y
4	IC 410-630243/6	3.75	3.870863	5.0	680232.0	1.03223	Y
5	IC 410-630243/5	7.5	8.239638	5.0	678599.0	1.098618	Y
6	ICIS 410-630243/2	12.5	13.301202	5.0	677126.0	1.064096	Y
7	IC 410-630243/4	20.0	21.496061	5.0	672526.0	1.074803	Y
8	IC 410-630243/3	30.0	32.101058	5.0	656255.0	1.070035	Y



09/19/2025

Calibration / Alpha-Terpineol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

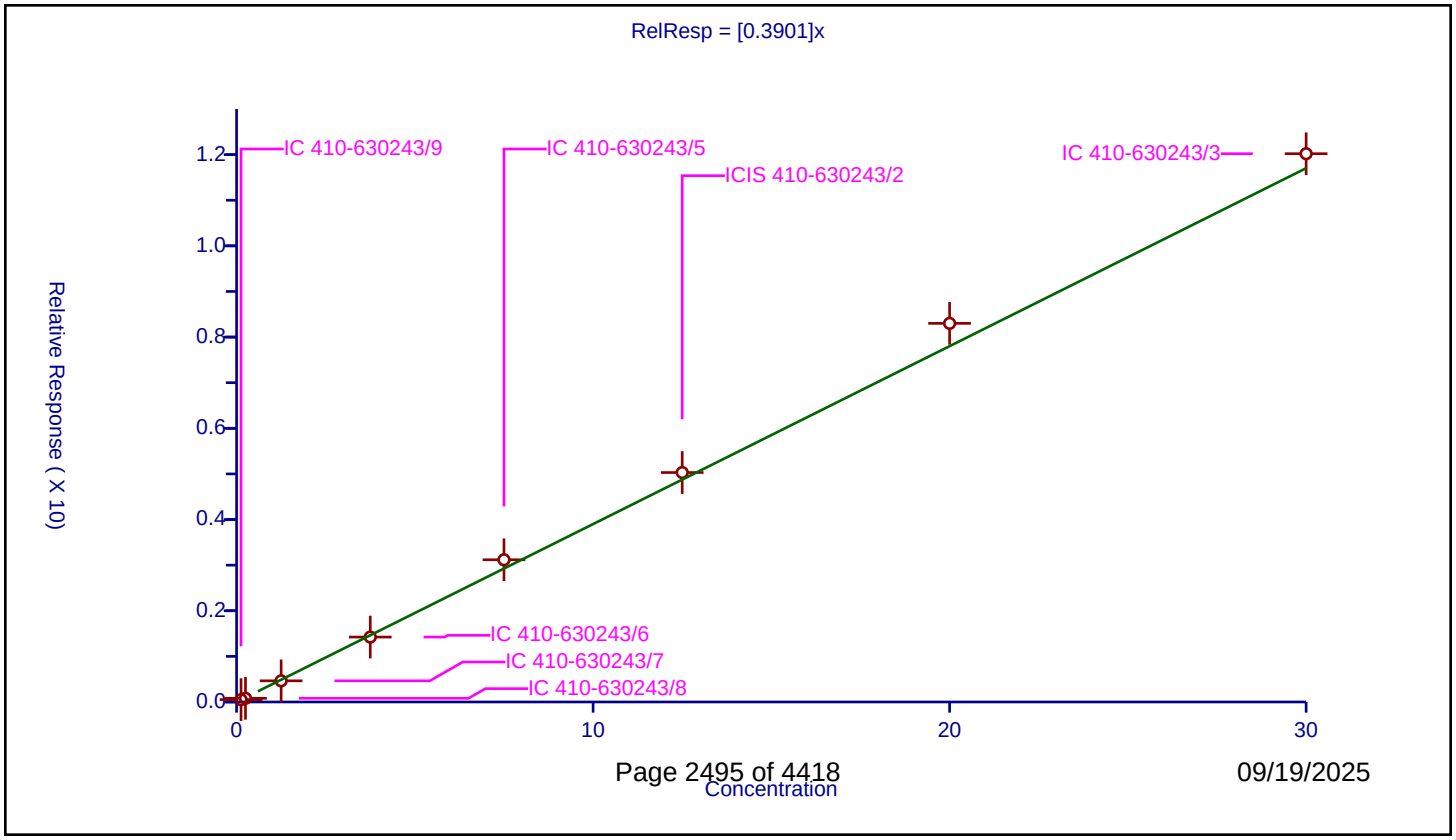
Curve Coefficients

Intercept:	0
Slope:	0.3901

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.051535	5.0	821100.0	0.412276	Y
2	IC 410-630243/8	0.25	0.08093	5.0	653036.0	0.323719	Y
3	IC 410-630243/7	1.25	0.463772	5.0	659969.0	0.371017	Y
4	IC 410-630243/6	3.75	1.423478	5.0	680232.0	0.379594	Y
5	IC 410-630243/5	7.5	3.118263	5.0	678599.0	0.415768	Y
6	ICIS 410-630243/2	12.5	5.030415	5.0	677126.0	0.402433	Y
7	IC 410-630243/4	20.0	8.300512	5.0	672526.0	0.415026	Y
8	IC 410-630243/3	30.0	12.020015	5.0	656255.0	0.400667	Y



Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

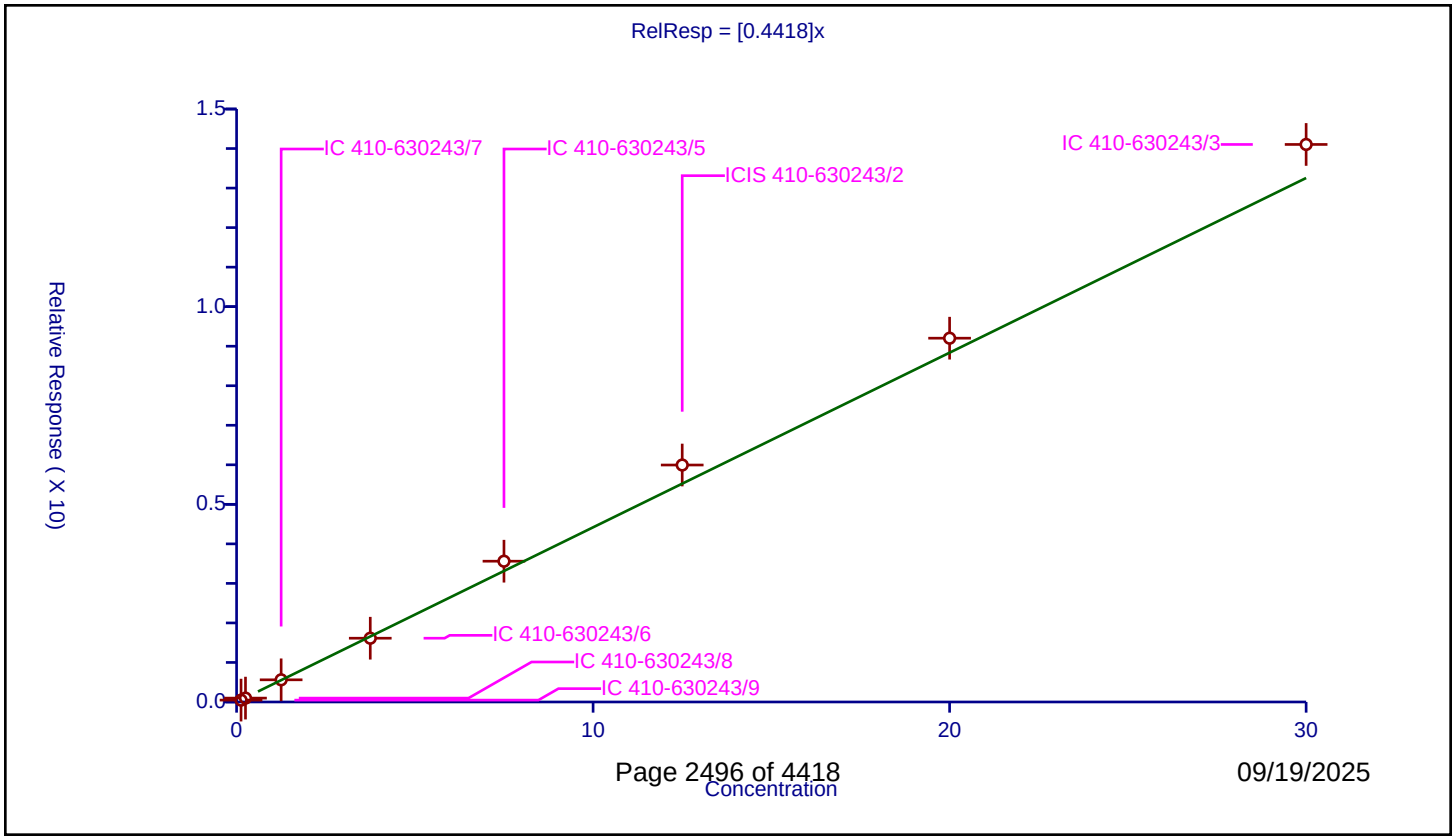
Curve Coefficients

Intercept:	0
Slope:	0.4418

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.047345	5.0	821100.0	0.37876	Y
2	IC 410-630243/8	0.25	0.09808	5.0	653036.0	0.392321	Y
3	IC 410-630243/7	1.25	0.560875	5.0	659969.0	0.4487	Y
4	IC 410-630243/6	3.75	1.613192	5.0	680232.0	0.430185	Y
5	IC 410-630243/5	7.5	3.561581	5.0	678599.0	0.474877	Y
6	ICIS 410-630243/2	12.5	5.994342	5.0	677126.0	0.479547	Y
7	IC 410-630243/4	20.0	9.202685	5.0	672526.0	0.460134	Y
8	IC 410-630243/3	30.0	14.103702	5.0	656255.0	0.470123	Y



Calibration / 2,6-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

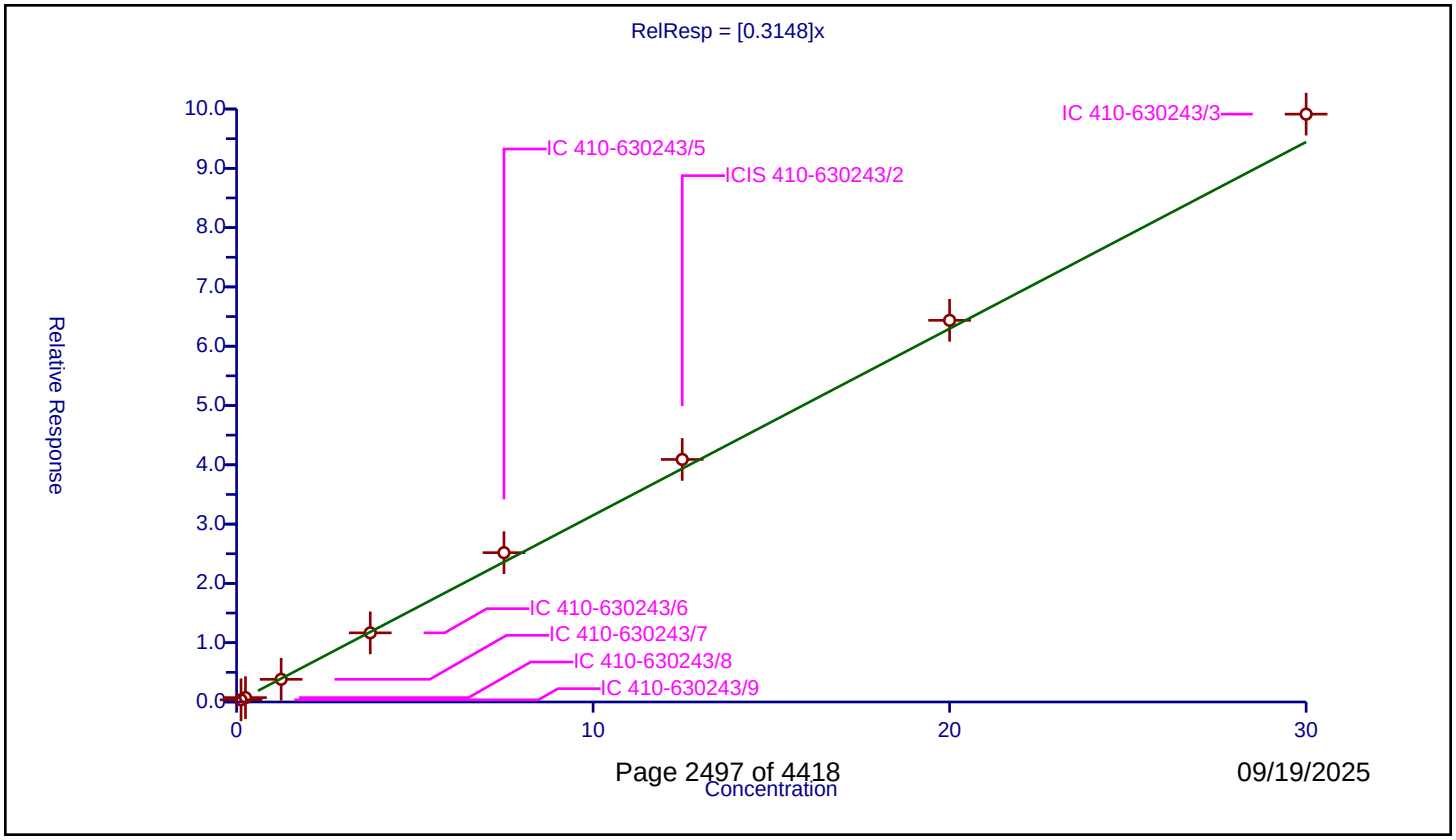
Curve Coefficients

Intercept:	0
Slope:	0.3148

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.036591	5.0	821100.0	0.292729	Y
2	IC 410-630243/8	0.25	0.073403	5.0	653036.0	0.293613	Y
3	IC 410-630243/7	1.25	0.382473	5.0	659969.0	0.305978	Y
4	IC 410-630243/6	3.75	1.165882	5.0	680232.0	0.310902	Y
5	IC 410-630243/5	7.5	2.518019	5.0	678599.0	0.335736	Y
6	ICIS 410-630243/2	12.5	4.090162	5.0	677126.0	0.327213	Y
7	IC 410-630243/4	20.0	6.436405	5.0	672526.0	0.32182	Y
8	IC 410-630243/3	30.0	9.913456	5.0	656255.0	0.330449	Y



Calibration / Hexachloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

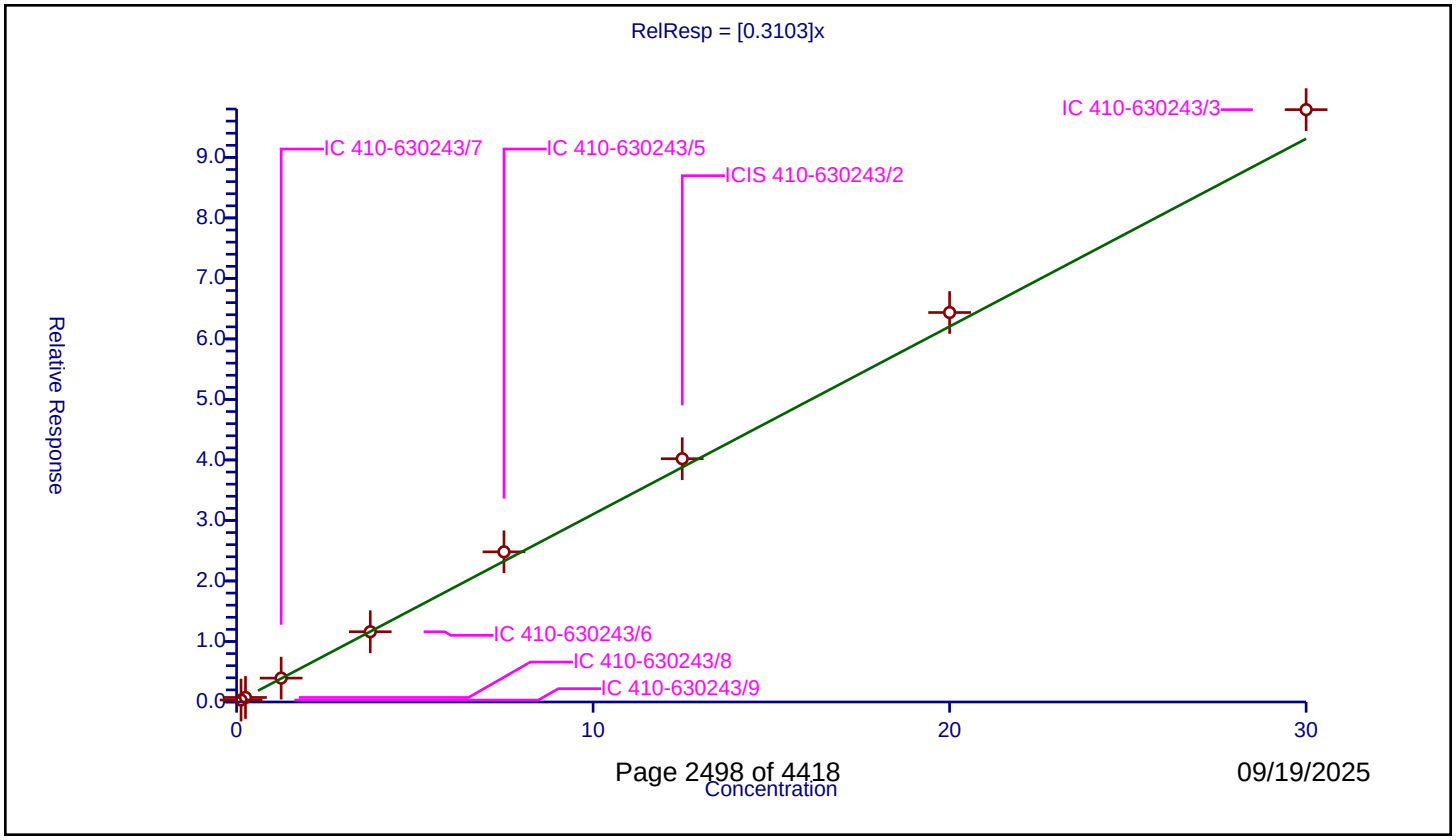
Curve Coefficients

Intercept:	0
Slope:	0.3103

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.032189	5.0	821100.0	0.257508	Y
2	IC 410-630243/8	0.25	0.074743	5.0	653036.0	0.298973	Y
3	IC 410-630243/7	1.25	0.394458	5.0	659969.0	0.315566	Y
4	IC 410-630243/6	3.75	1.160972	5.0	680232.0	0.309592	Y
5	IC 410-630243/5	7.5	2.48134	5.0	678599.0	0.330845	Y
6	ICIS 410-630243/2	12.5	4.02064	5.0	677126.0	0.321651	Y
7	IC 410-630243/4	20.0	6.436807	5.0	672526.0	0.32184	Y
8	IC 410-630243/3	30.0	9.789815	5.0	656255.0	0.326327	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

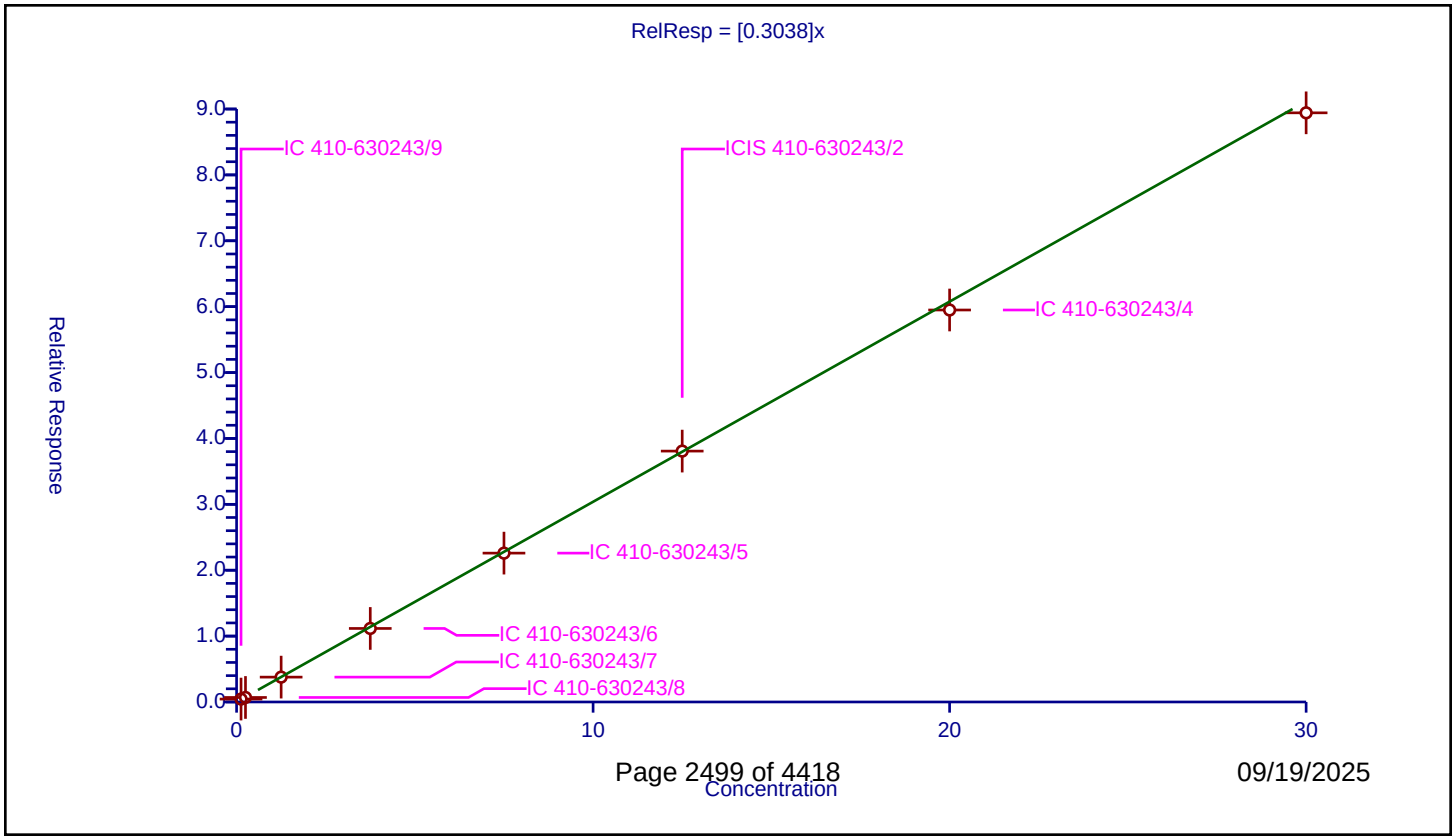
Curve Coefficients

Intercept:	0
Slope:	0.3038

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.044404	5.0	821100.0	0.355231	Y
2	IC 410-630243/8	0.25	0.068633	5.0	653036.0	0.274533	Y
3	IC 410-630243/7	1.25	0.37751	5.0	659969.0	0.302008	Y
4	IC 410-630243/6	3.75	1.115921	5.0	680232.0	0.297579	Y
5	IC 410-630243/5	7.5	2.259258	5.0	678599.0	0.301234	Y
6	ICIS 410-630243/2	12.5	3.808132	5.0	677126.0	0.304651	Y
7	IC 410-630243/4	20.0	5.949651	5.0	672526.0	0.297483	Y
8	IC 410-630243/3	30.0	8.942157	5.0	656255.0	0.298072	Y



Calibration / Quinoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

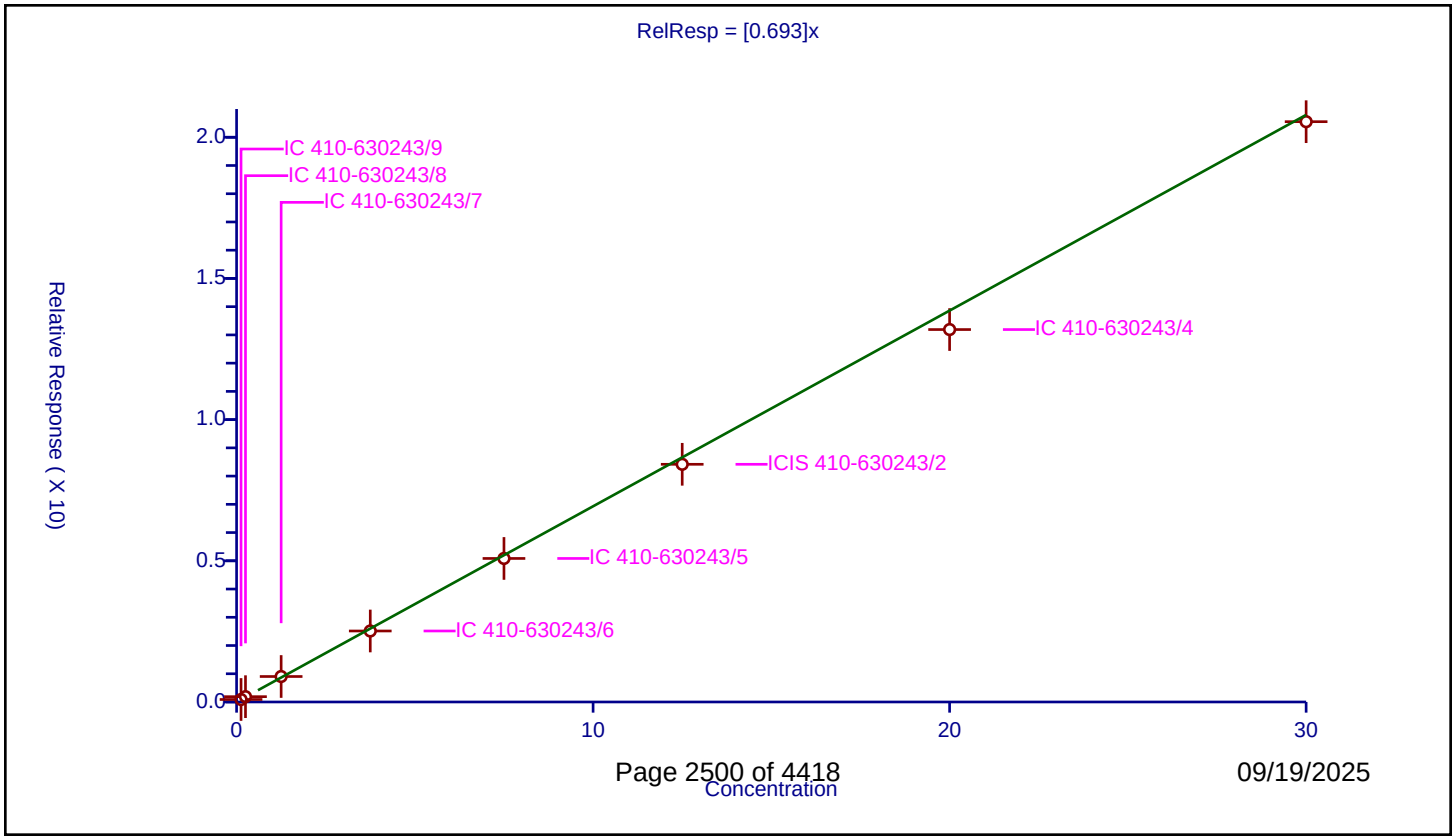
Curve Coefficients

Intercept:	0
Slope:	0.693

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.088004	5.0	821100.0	0.704031	Y
2	IC 410-630243/8	0.25	0.188083	5.0	653036.0	0.752332	Y
3	IC 410-630243/7	1.25	0.902323	5.0	659969.0	0.721858	Y
4	IC 410-630243/6	3.75	2.514017	5.0	680232.0	0.670405	Y
5	IC 410-630243/5	7.5	5.082965	5.0	678599.0	0.677729	Y
6	ICIS 410-630243/2	12.5	8.417665	5.0	677126.0	0.673413	Y
7	IC 410-630243/4	20.0	13.18955	5.0	672526.0	0.659477	Y
8	IC 410-630243/3	30.0	20.551859	5.0	656255.0	0.685062	Y



Calibration / Caprolactam

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

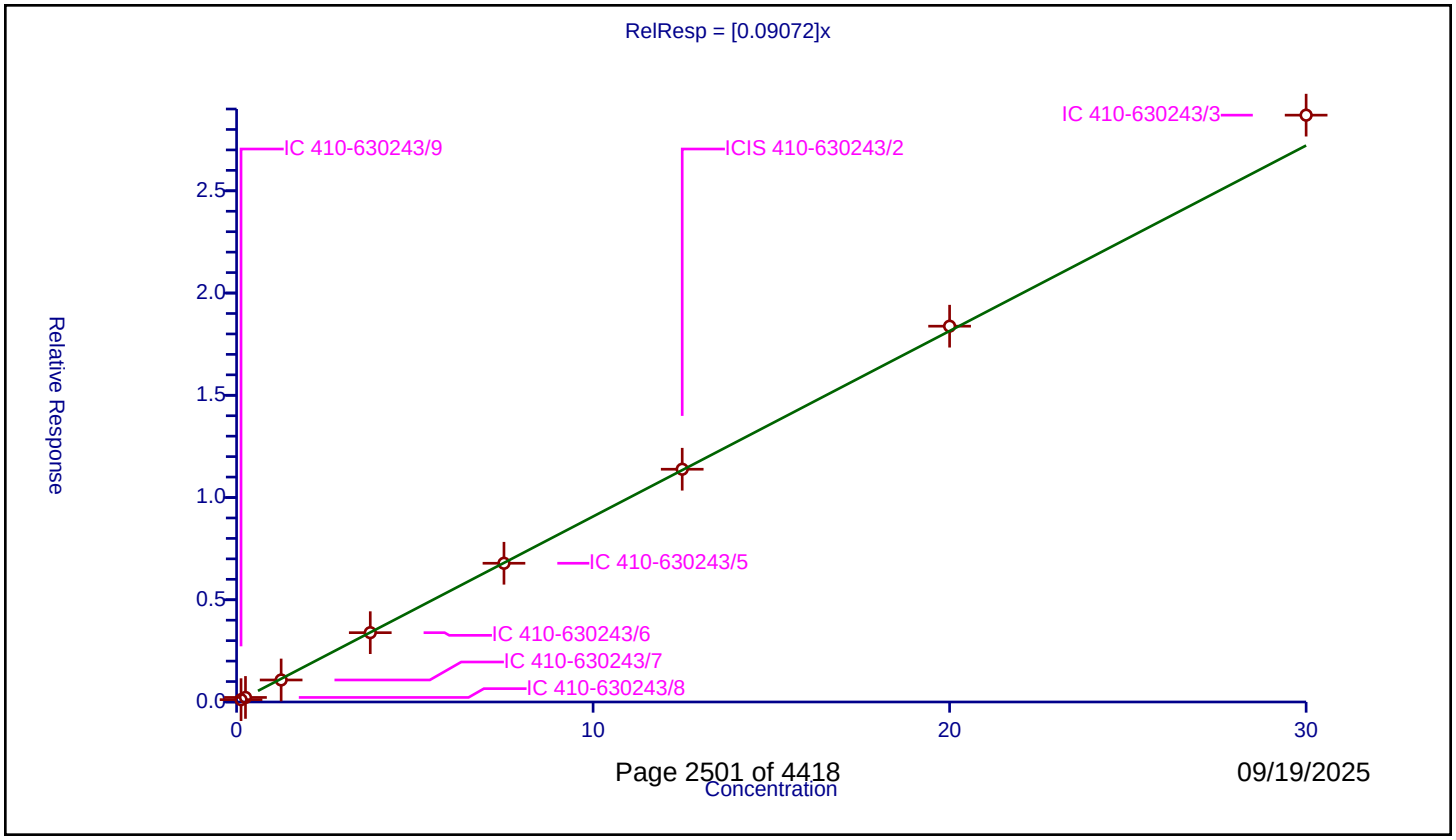
Curve Coefficients

Intercept:	0
Slope:	0.09072

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.01143	5.0	821100.0	0.091438	Y
2	IC 410-630243/8	0.25	0.022181	5.0	653036.0	0.088724	Y
3	IC 410-630243/7	1.25	0.107626	5.0	659969.0	0.086101	Y
4	IC 410-630243/6	3.75	0.339061	5.0	680232.0	0.090416	Y
5	IC 410-630243/5	7.5	0.678427	5.0	678599.0	0.090457	Y
6	ICIS 410-630243/2	12.5	1.138326	5.0	677126.0	0.091066	Y
7	IC 410-630243/4	20.0	1.837914	5.0	672526.0	0.091896	Y
8	IC 410-630243/3	30.0	2.869997	5.0	656255.0	0.095667	Y



Calibration / N-Nitrosodi-n-butylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

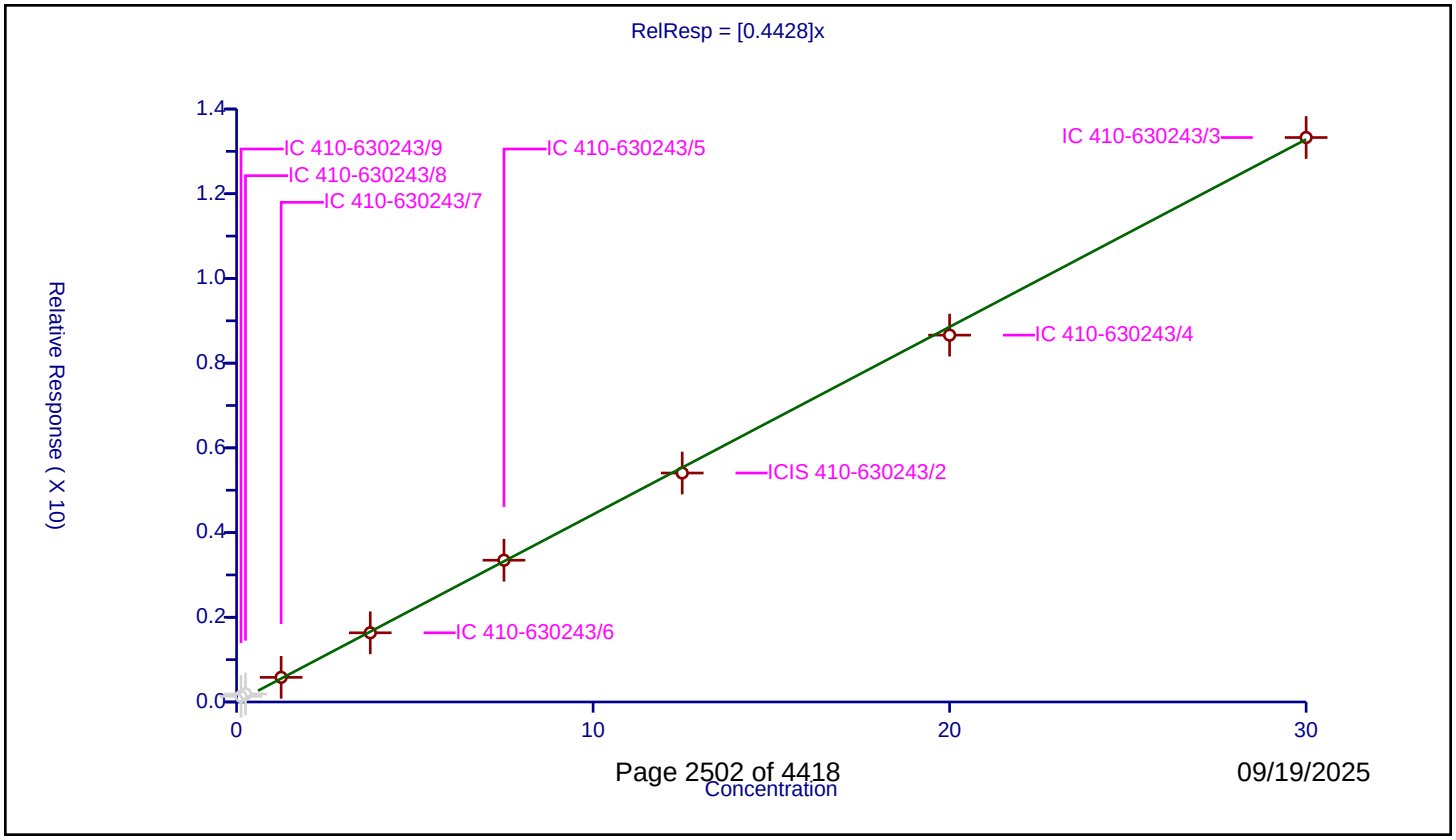
Curve Coefficients

Intercept:	0
Slope:	0.4428

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.132499	5.0	821100.0	1.059993	N
2	IC 410-630243/8	0.25	0.189071	5.0	653036.0	0.756283	N
3	IC 410-630243/7	1.25	0.581217	5.0	659969.0	0.464973	Y
4	IC 410-630243/6	3.75	1.633347	5.0	680232.0	0.435559	Y
5	IC 410-630243/5	7.5	3.347153	5.0	678599.0	0.446287	Y
6	ICIS 410-630243/2	12.5	5.406276	5.0	677126.0	0.432502	Y
7	IC 410-630243/4	20.0	8.661635	5.0	672526.0	0.433082	Y
8	IC 410-630243/3	30.0	13.327159	5.0	656255.0	0.444239	Y



09/19/2025

Calibration / p-Phenylene diamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

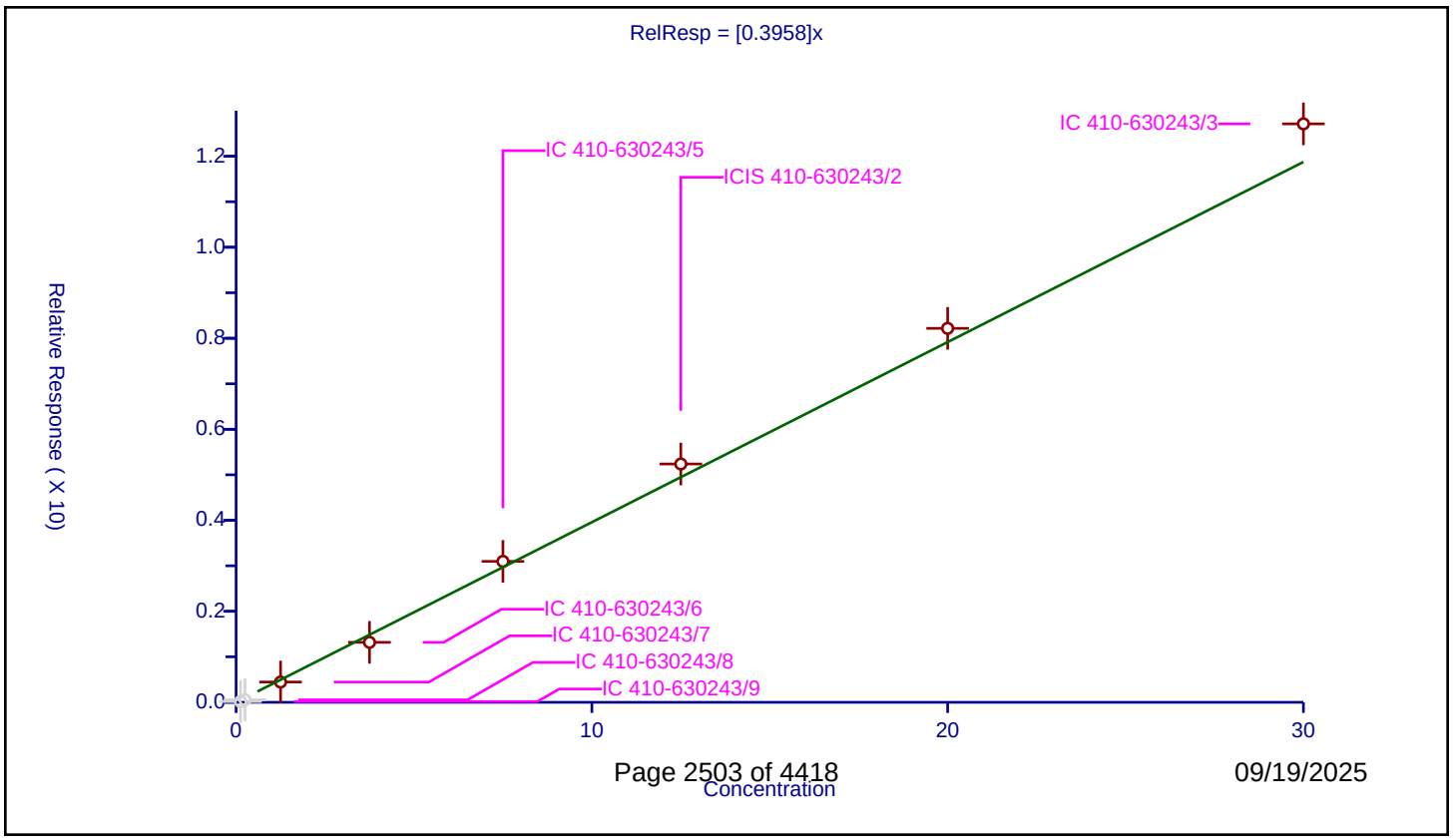
Curve Coefficients

Intercept:	0
Slope:	0.3958

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.016935	5.0	821100.0	0.135477	N
2	IC 410-630243/8	0.25	0.054377	5.0	653036.0	0.217507	N
3	IC 410-630243/7	1.25	0.446059	5.0	659969.0	0.356847	Y
4	IC 410-630243/6	3.75	1.318161	5.0	680232.0	0.351509	Y
5	IC 410-630243/5	7.5	3.096785	5.0	678599.0	0.412905	Y
6	ICIS 410-630243/2	12.5	5.237304	5.0	677126.0	0.418984	Y
7	IC 410-630243/4	20.0	8.217943	5.0	672526.0	0.410897	Y
8	IC 410-630243/3	30.0	12.711621	5.0	656255.0	0.423721	Y



Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

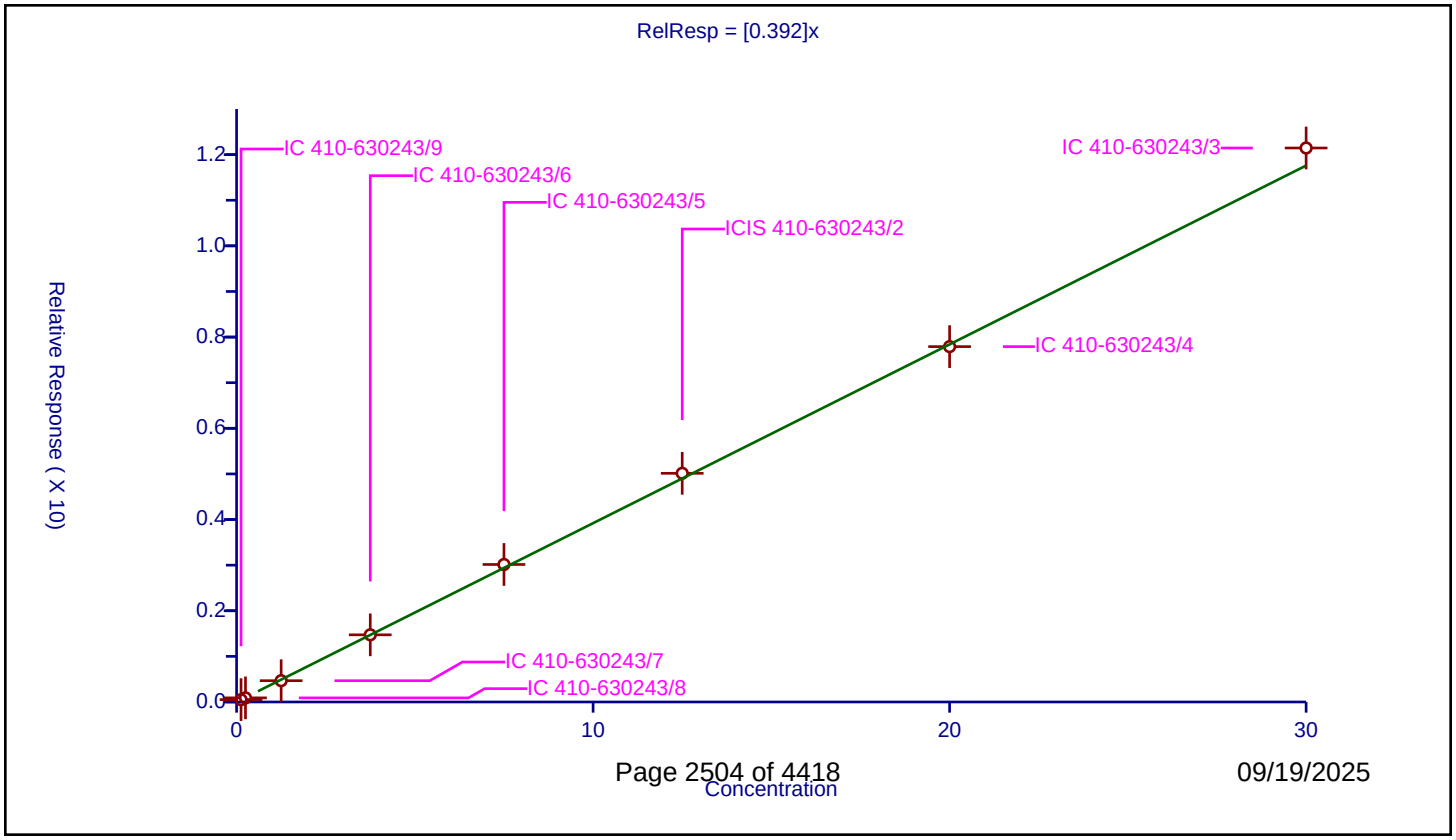
Curve Coefficients

Intercept:	0
Slope:	0.392

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.051468	5.0	821100.0	0.41174	Y
2	IC 410-630243/8	0.25	0.090133	5.0	653036.0	0.360531	Y
3	IC 410-630243/7	1.25	0.467067	5.0	659969.0	0.373654	Y
4	IC 410-630243/6	3.75	1.472512	5.0	680232.0	0.39267	Y
5	IC 410-630243/5	7.5	3.014343	5.0	678599.0	0.401912	Y
6	ICIS 410-630243/2	12.5	5.01372	5.0	677126.0	0.401098	Y
7	IC 410-630243/4	20.0	7.790807	5.0	672526.0	0.38954	Y
8	IC 410-630243/3	30.0	12.145332	5.0	656255.0	0.404844	Y



Calibration / Safrole, Total

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

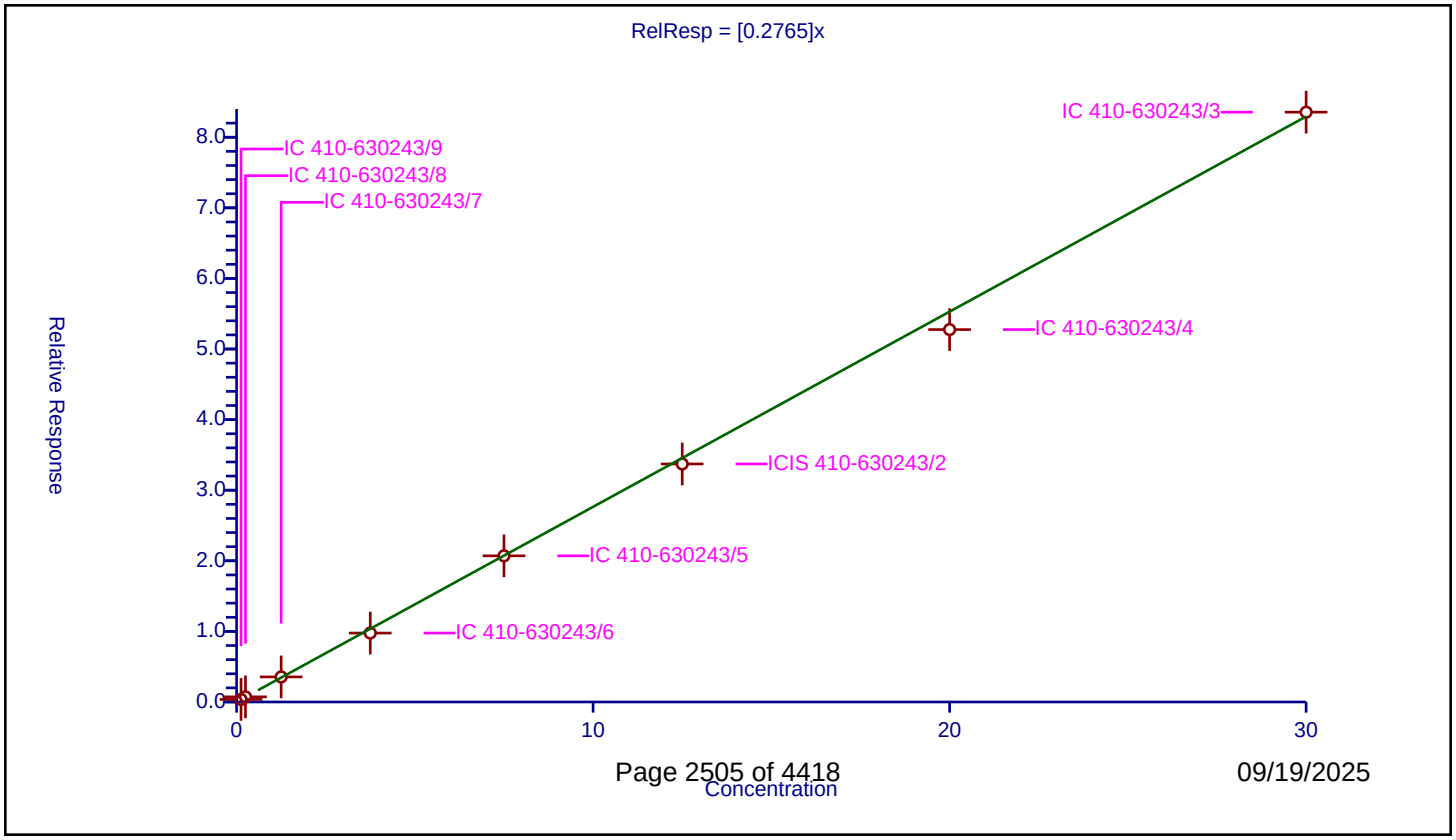
Curve Coefficients

Intercept:	0
Slope:	0.2765

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.036086	5.0	821100.0	0.288686	Y
2	IC 410-630243/8	0.25	0.072599	5.0	653036.0	0.290397	Y
3	IC 410-630243/7	1.25	0.355236	5.0	659969.0	0.284189	Y
4	IC 410-630243/6	3.75	0.976358	5.0	680232.0	0.260362	Y
5	IC 410-630243/5	7.5	2.07014	5.0	678599.0	0.276019	Y
6	ICIS 410-630243/2	12.5	3.371869	5.0	677126.0	0.26975	Y
7	IC 410-630243/4	20.0	5.275432	5.0	672526.0	0.263772	Y
8	IC 410-630243/3	30.0	8.355395	5.0	656255.0	0.278513	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

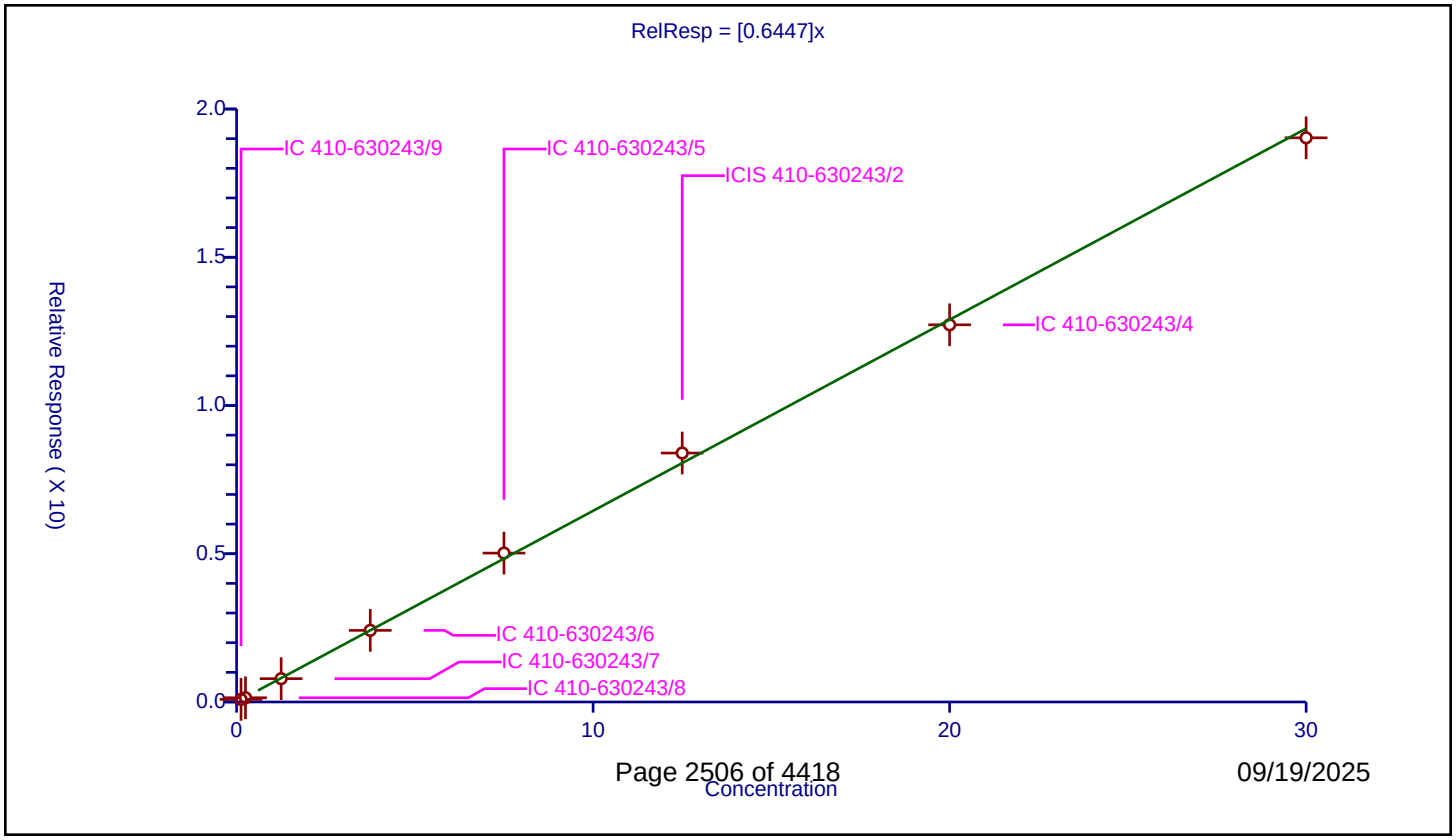
Curve Coefficients

Intercept:	0
Slope:	0.6447

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.087986	5.0	821100.0	0.703885	Y
2	IC 410-630243/8	0.25	0.142121	5.0	653036.0	0.568483	Y
3	IC 410-630243/7	1.25	0.786772	5.0	659969.0	0.629417	Y
4	IC 410-630243/6	3.75	2.41558	5.0	680232.0	0.644155	Y
5	IC 410-630243/5	7.5	5.02195	5.0	678599.0	0.669593	Y
6	ICIS 410-630243/2	12.5	8.396332	5.0	677126.0	0.671707	Y
7	IC 410-630243/4	20.0	12.722103	5.0	672526.0	0.636105	Y
8	IC 410-630243/3	30.0	19.028769	5.0	656255.0	0.634292	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

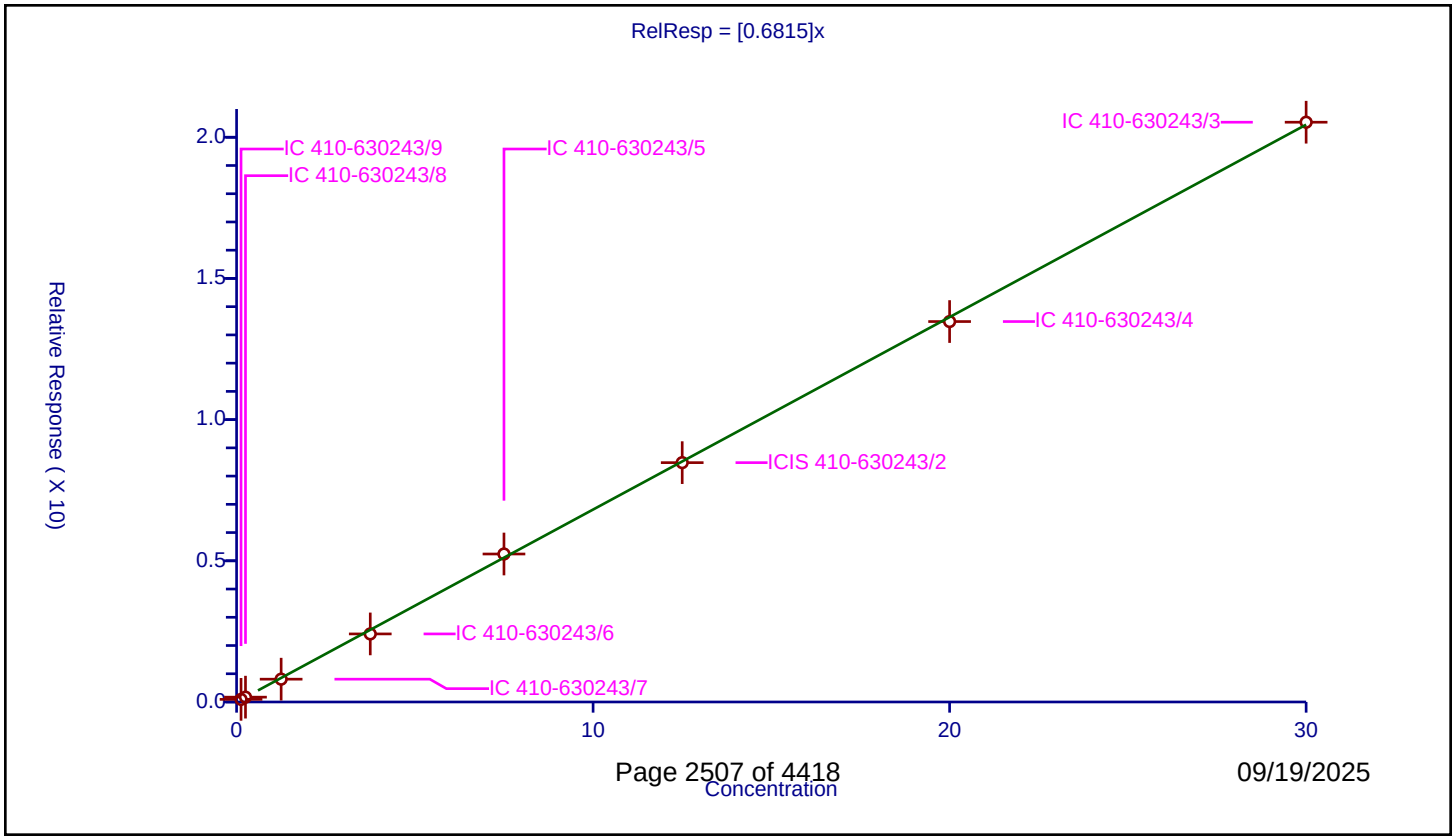
Curve Coefficients

Intercept:	0
Slope:	0.6815

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.092894	5.0	821100.0	0.743149	Y
2	IC 410-630243/8	0.25	0.171177	5.0	653036.0	0.68471	Y
3	IC 410-630243/7	1.25	0.807894	5.0	659969.0	0.646315	Y
4	IC 410-630243/6	3.75	2.410825	5.0	680232.0	0.642887	Y
5	IC 410-630243/5	7.5	5.241365	5.0	678599.0	0.698849	Y
6	ICIS 410-630243/2	12.5	8.476687	5.0	677126.0	0.678135	Y
7	IC 410-630243/4	20.0	13.472869	5.0	672526.0	0.673643	Y
8	IC 410-630243/3	30.0	20.532331	5.0	656255.0	0.684411	Y



Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

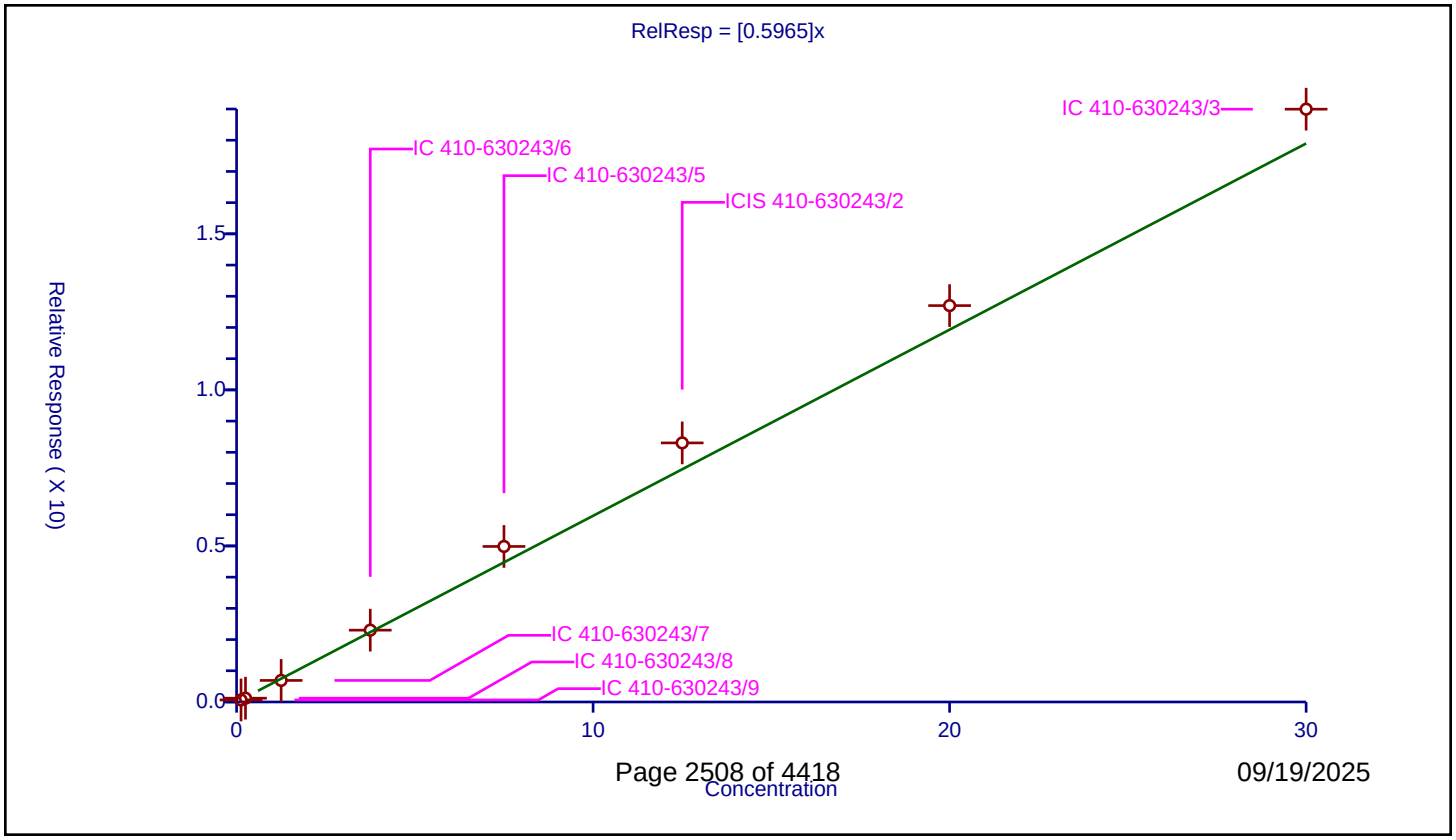
Curve Coefficients

Intercept:	0
Slope:	0.5965

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.065147	5.0	496721.0	0.521178	Y
2	IC 410-630243/8	0.25	0.121857	5.0	423899.0	0.487427	Y
3	IC 410-630243/7	1.25	0.691199	5.0	415727.0	0.552959	Y
4	IC 410-630243/6	3.75	2.301562	5.0	405857.0	0.61375	Y
5	IC 410-630243/5	7.5	4.983626	5.0	411619.0	0.664483	Y
6	ICIS 410-630243/2	12.5	8.301302	5.0	398829.0	0.664104	Y
7	IC 410-630243/4	20.0	12.700994	5.0	411928.0	0.63505	Y
8	IC 410-630243/3	30.0	18.995219	5.0	398684.0	0.633174	Y



09/19/2025

Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

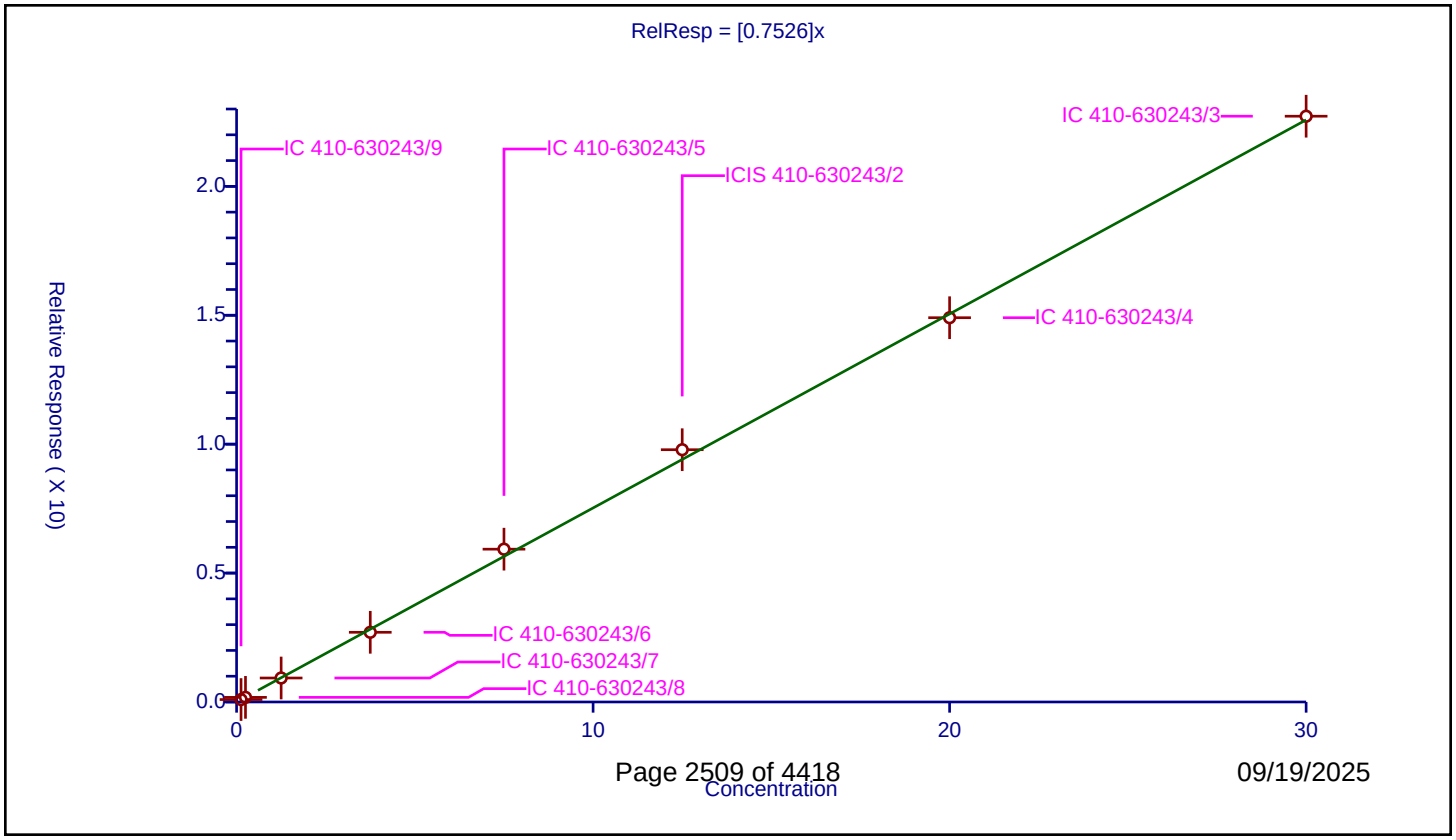
Curve Coefficients

Intercept:	0
Slope:	0.7526

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.095053	5.0	496721.0	0.760427	Y
2	IC 410-630243/8	0.25	0.179925	5.0	423899.0	0.7197	Y
3	IC 410-630243/7	1.25	0.930045	5.0	415727.0	0.744036	Y
4	IC 410-630243/6	3.75	2.703144	5.0	405857.0	0.720838	Y
5	IC 410-630243/5	7.5	5.927605	5.0	411619.0	0.790347	Y
6	ICIS 410-630243/2	12.5	9.784883	5.0	398829.0	0.782791	Y
7	IC 410-630243/4	20.0	14.905299	5.0	411928.0	0.745265	Y
8	IC 410-630243/3	30.0	22.720225	5.0	398684.0	0.757341	Y



09/19/2025

Calibration / Isosafrole Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

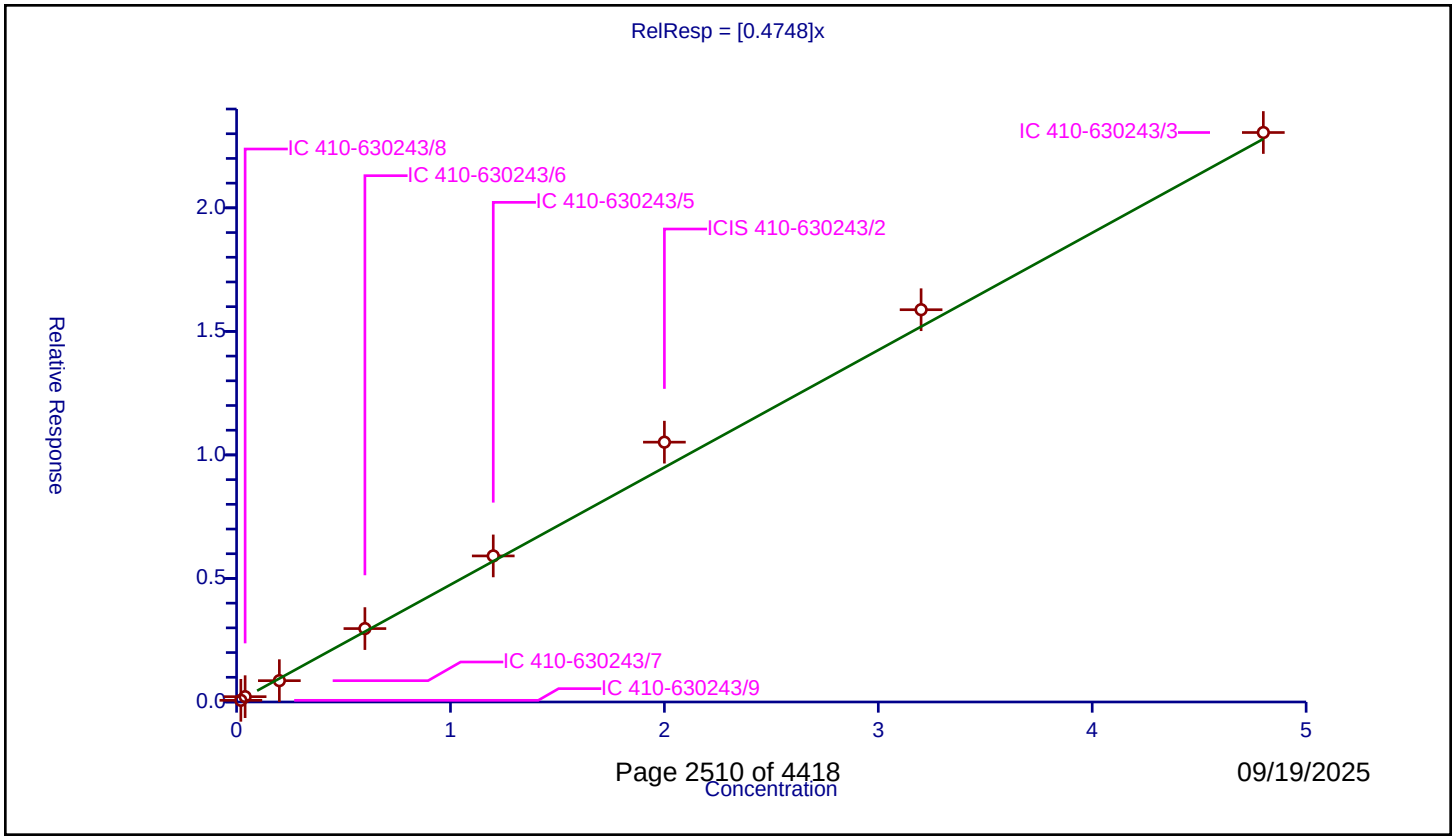
Curve Coefficients

Intercept:	0
Slope:	0.4748

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.02	0.006795	5.0	496721.0	0.339728	Y
2	IC 410-630243/8	0.04	0.021479	5.0	423899.0	0.536979	Y
3	IC 410-630243/7	0.2	0.086259	5.0	415727.0	0.431293	Y
4	IC 410-630243/6	0.6	0.297112	5.0	405857.0	0.495187	Y
5	IC 410-630243/5	1.2	0.591214	5.0	411619.0	0.492679	Y
6	ICIS 410-630243/2	2.0	1.051604	5.0	398829.0	0.525802	Y
7	IC 410-630243/4	3.2	1.587741	5.0	411928.0	0.496169	Y
8	IC 410-630243/3	4.8	2.304933	5.0	398684.0	0.480194	Y



09/19/2025

Calibration / 2,4,6-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

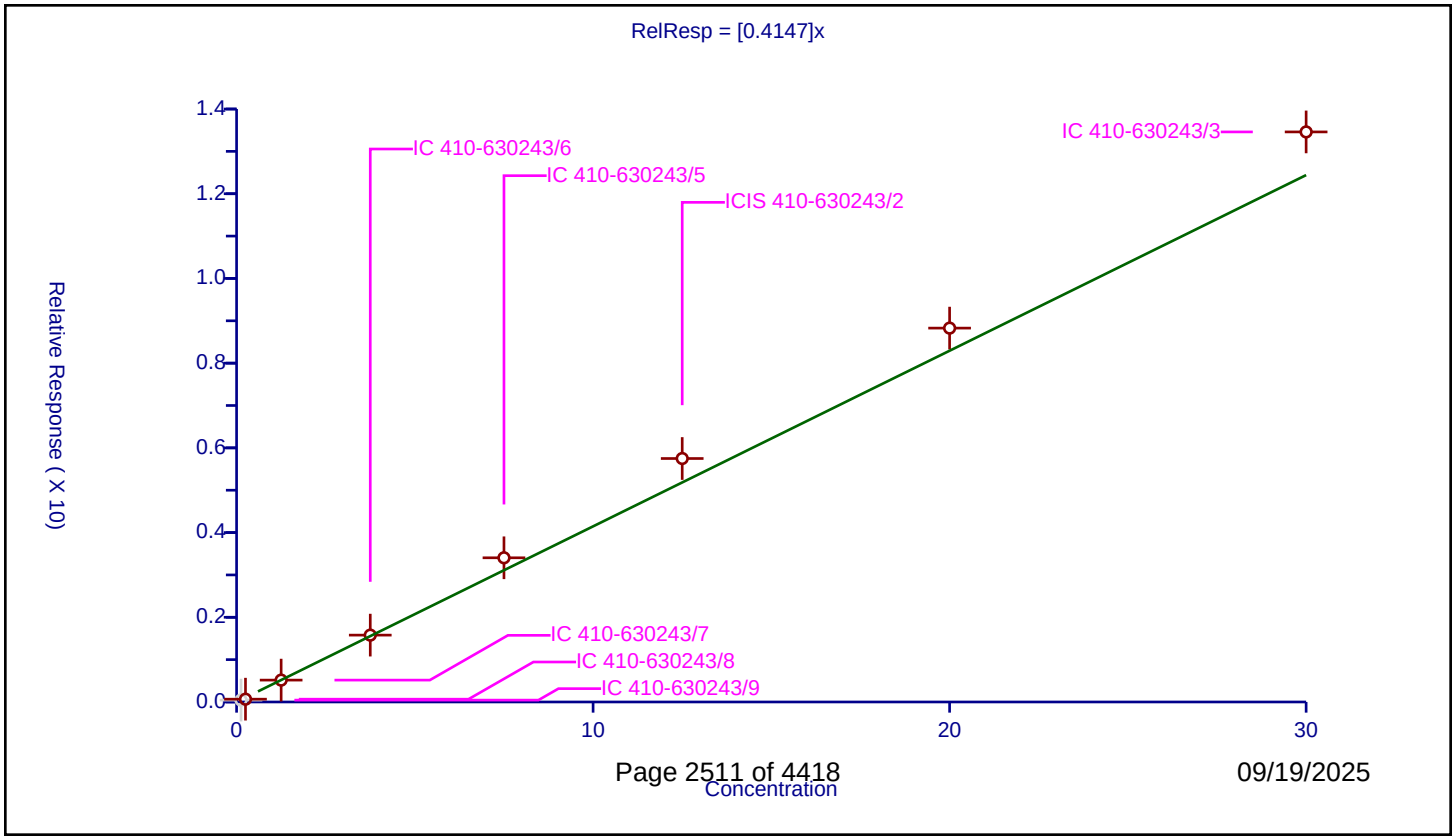
Curve Coefficients

Intercept:	0
Slope:	0.4147

Error Coefficients

Relative Standard Deviation:	16.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.044311	5.0	496721.0	0.354485	N
2	IC 410-630243/8	0.25	0.066171	5.0	423899.0	0.264686	Y
3	IC 410-630243/7	1.25	0.516529	5.0	415727.0	0.413223	Y
4	IC 410-630243/6	3.75	1.578425	5.0	405857.0	0.420913	Y
5	IC 410-630243/5	7.5	3.404495	5.0	411619.0	0.453933	Y
6	ICIS 410-630243/2	12.5	5.748742	5.0	398829.0	0.459899	Y
7	IC 410-630243/4	20.0	8.827101	5.0	411928.0	0.441355	Y
8	IC 410-630243/3	30.0	13.459469	5.0	398684.0	0.448649	Y



09/19/2025

Calibration / 2,4,5-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

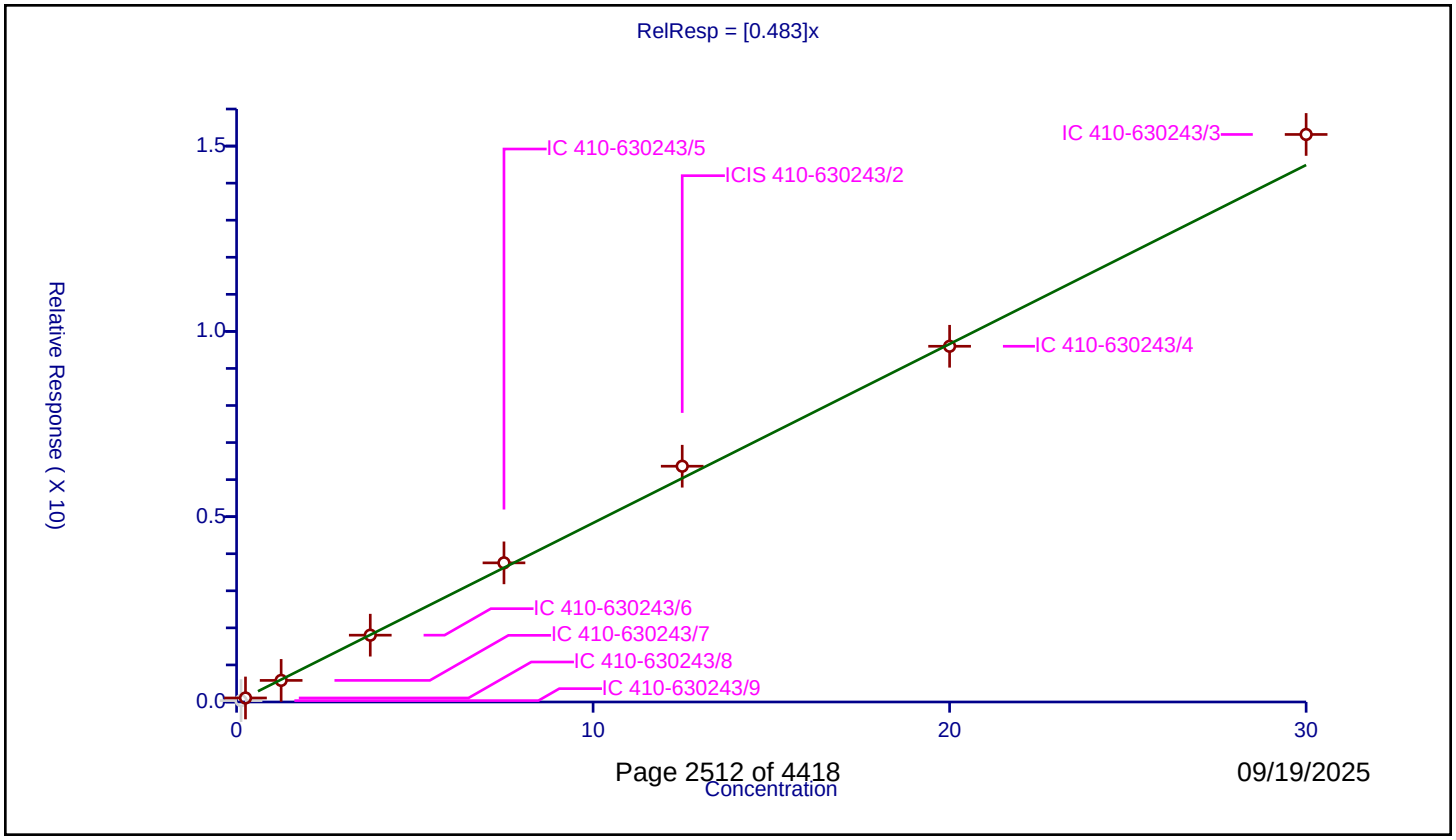
Curve Coefficients

Intercept:	0
Slope:	0.483

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.037375	5.0	496721.0	0.299001	N
2	IC 410-630243/8	0.25	0.108505	5.0	423899.0	0.434018	Y
3	IC 410-630243/7	1.25	0.582726	5.0	415727.0	0.466181	Y
4	IC 410-630243/6	3.75	1.802458	5.0	405857.0	0.480655	Y
5	IC 410-630243/5	7.5	3.754455	5.0	411619.0	0.500594	Y
6	ICIS 410-630243/2	12.5	6.361812	5.0	398829.0	0.508945	Y
7	IC 410-630243/4	20.0	9.598146	5.0	411928.0	0.479907	Y
8	IC 410-630243/3	30.0	15.313532	5.0	398684.0	0.510451	Y



Calibration / 2-Fluorobiphenyl (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

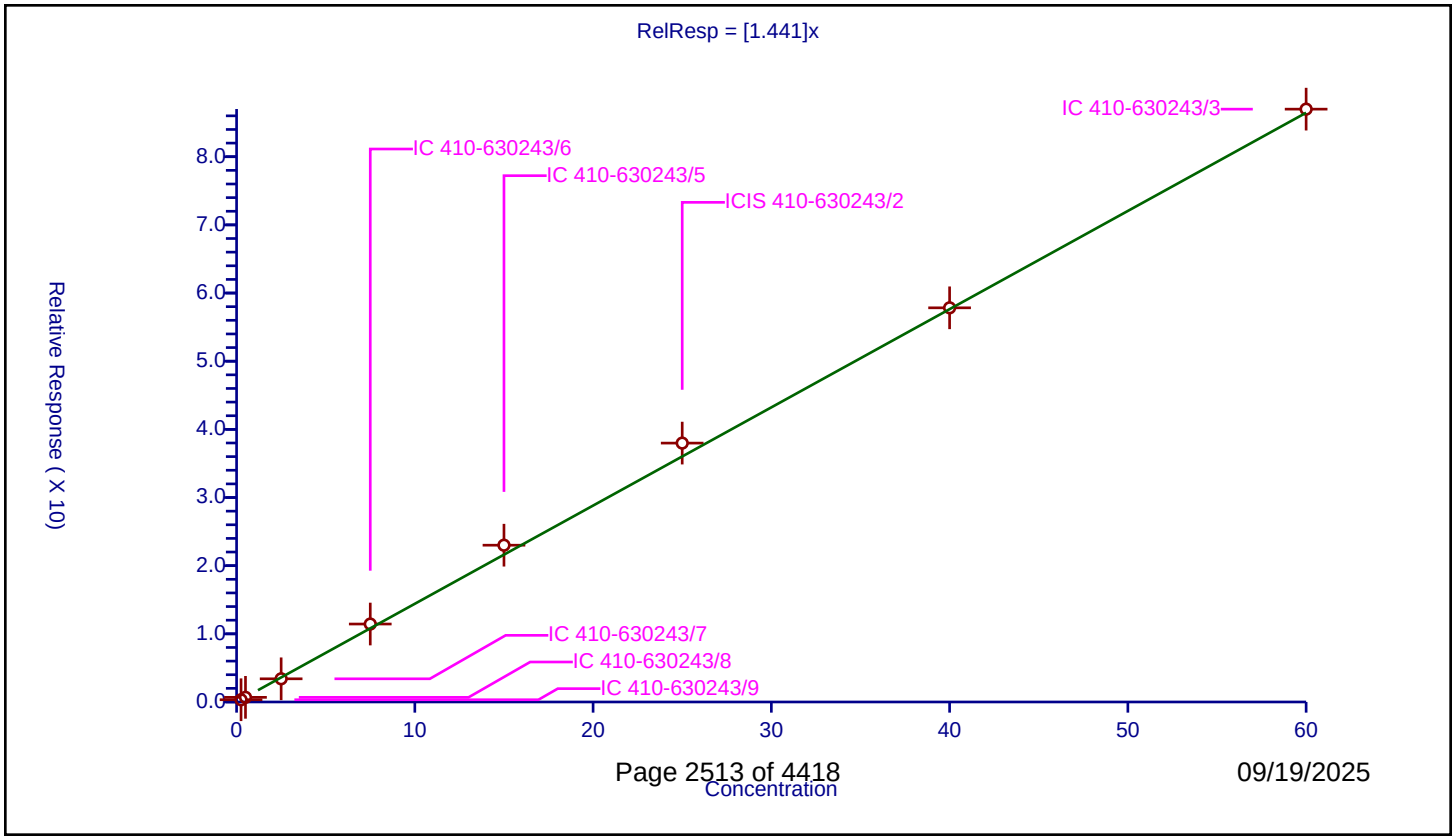
Curve Coefficients

Intercept:	0
Slope:	1.441

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.25	0.33241	5.0	496721.0	1.32964	Y
2	IC 410-630243/8	0.5	0.681813	5.0	423899.0	1.363627	Y
3	IC 410-630243/7	2.5	3.400946	5.0	415727.0	1.360378	Y
4	IC 410-630243/6	7.5	11.436393	5.0	405857.0	1.524852	Y
5	IC 410-630243/5	15.0	23.004975	5.0	411619.0	1.533665	Y
6	ICIS 410-630243/2	25.0	37.982469	5.0	398829.0	1.519299	Y
7	IC 410-630243/4	40.0	57.832024	5.0	411928.0	1.445801	Y
8	IC 410-630243/3	60.0	86.981582	5.0	398684.0	1.449693	Y



09/19/2025

Calibration / Isosafrole Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

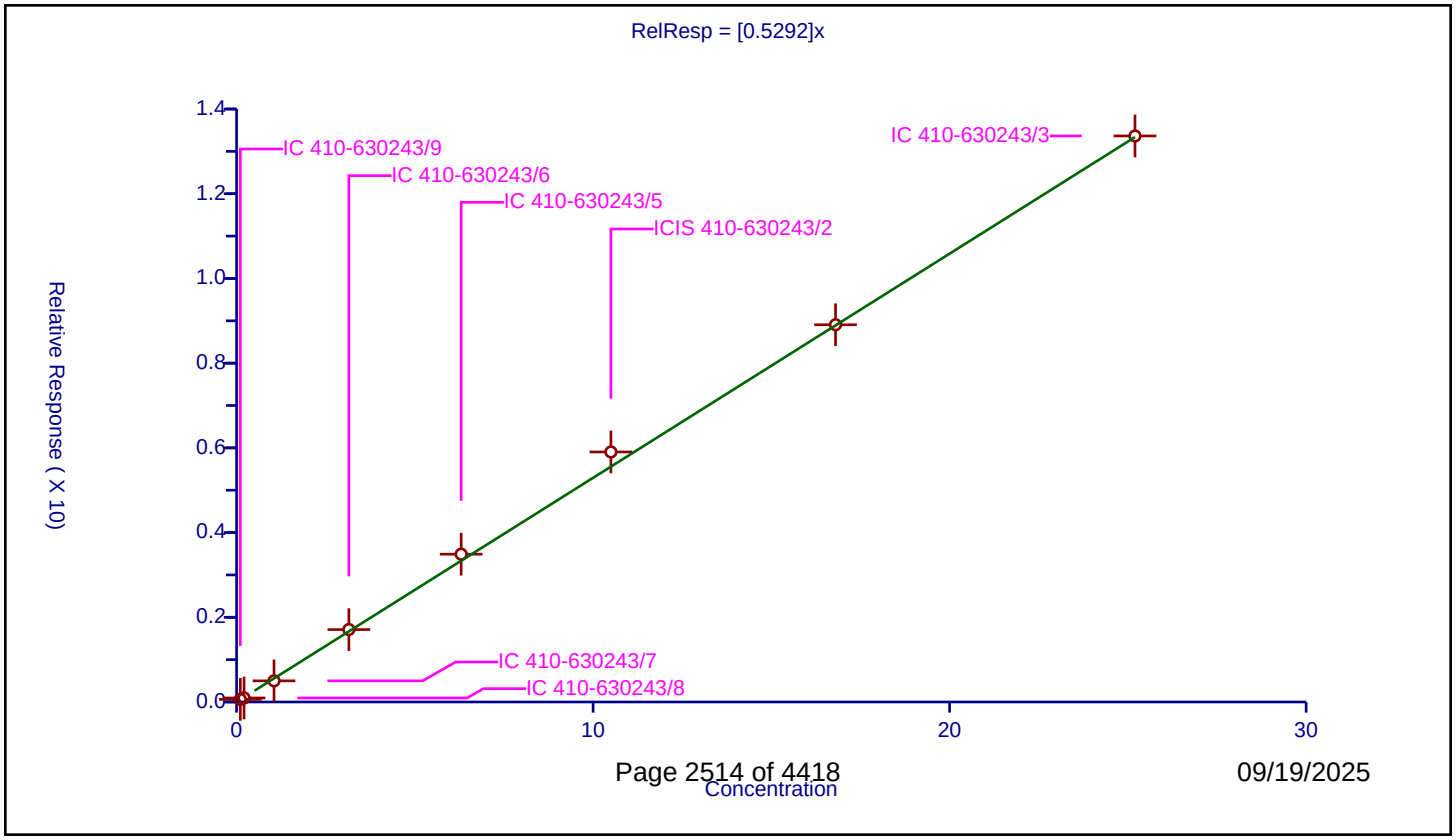
Curve Coefficients

Intercept:	0
Slope:	0.5292

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.105	0.061805	5.0	496721.0	0.588622	Y
2	IC 410-630243/8	0.21	0.094645	5.0	423899.0	0.450691	Y
3	IC 410-630243/7	1.05	0.498981	5.0	415727.0	0.47522	Y
4	IC 410-630243/6	3.15	1.709728	5.0	405857.0	0.542771	Y
5	IC 410-630243/5	6.3	3.489659	5.0	411619.0	0.553914	Y
6	ICIS 410-630243/2	10.5	5.903119	5.0	398829.0	0.562202	Y
7	IC 410-630243/4	16.8	8.906423	5.0	411928.0	0.530144	Y
8	IC 410-630243/3	25.2	13.363892	5.0	398684.0	0.530313	Y



Calibration / 1,1'-Biphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

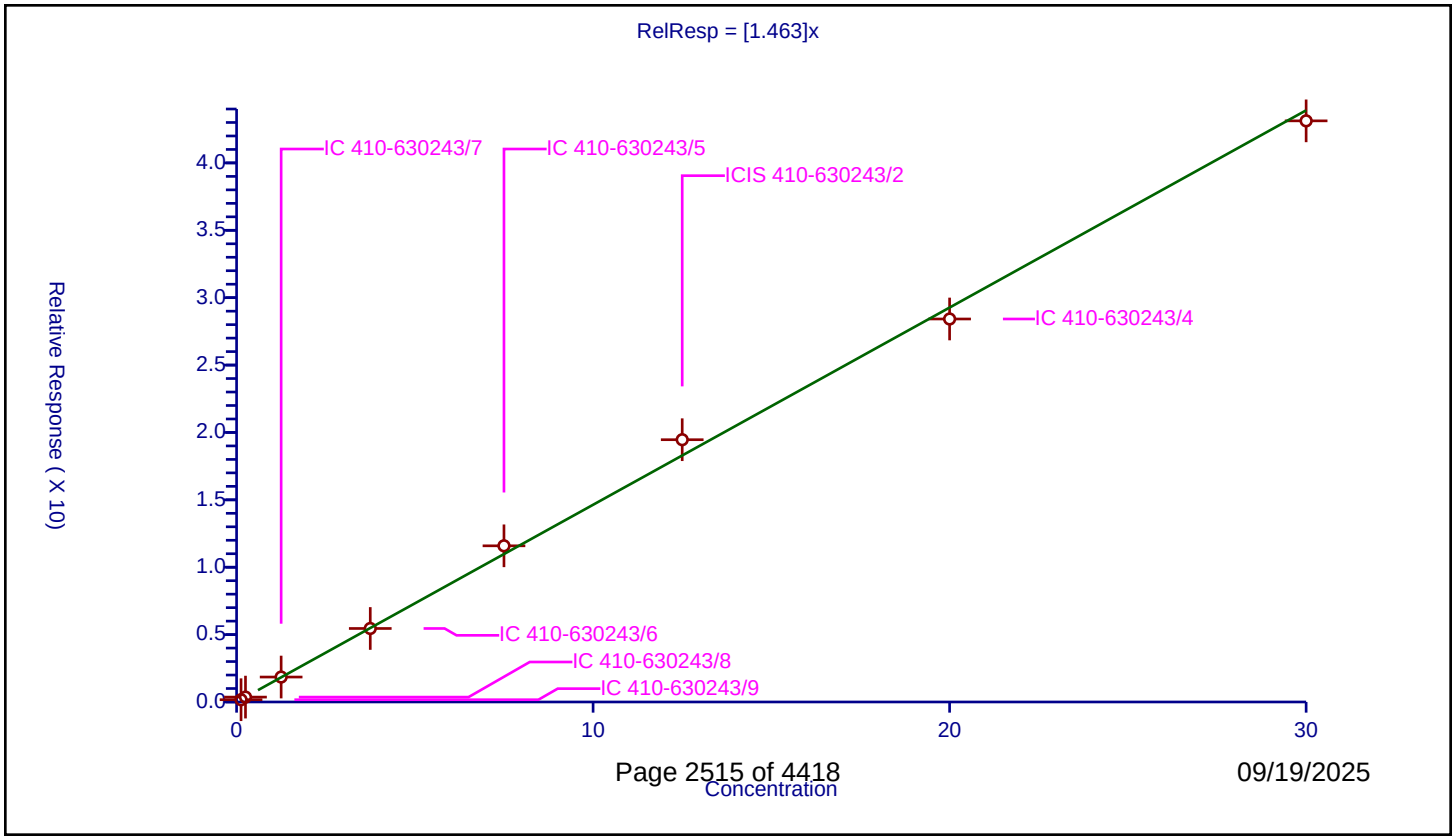
Curve Coefficients

Intercept:	0
Slope:	1.463

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.169643	5.0	496721.0	1.35714	Y
2	IC 410-630243/8	0.25	0.363813	5.0	423899.0	1.455252	Y
3	IC 410-630243/7	1.25	1.850156	5.0	415727.0	1.480125	Y
4	IC 410-630243/6	3.75	5.453522	5.0	405857.0	1.454272	Y
5	IC 410-630243/5	7.5	11.587852	5.0	411619.0	1.545047	Y
6	ICIS 410-630243/2	12.5	19.461724	5.0	398829.0	1.556938	Y
7	IC 410-630243/4	20.0	28.418729	5.0	411928.0	1.420936	Y
8	IC 410-630243/3	30.0	43.121883	5.0	398684.0	1.437396	Y



09/19/2025

Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

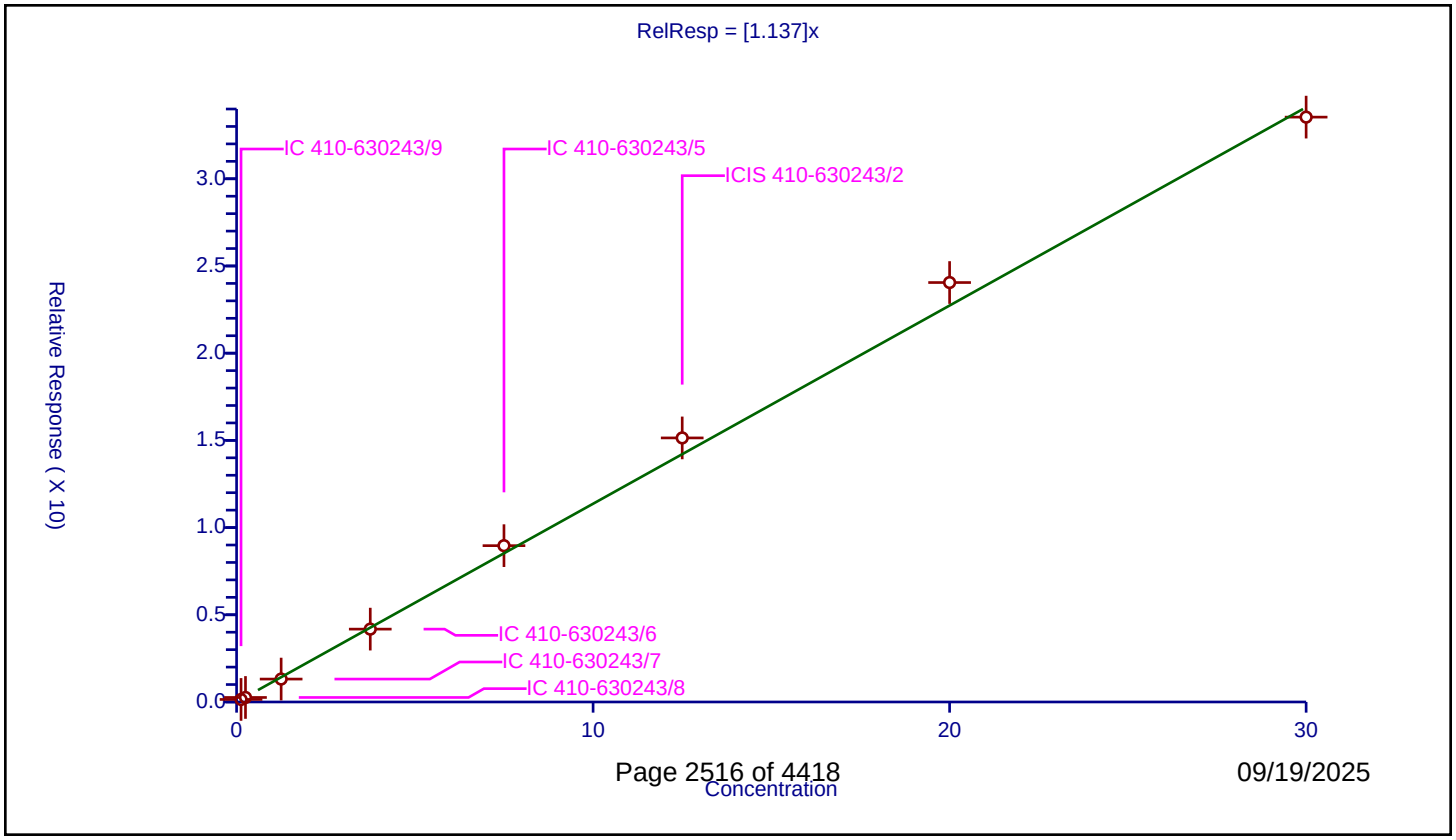
Curve Coefficients

Intercept:	0
Slope:	1.137

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.145283	5.0	496721.0	1.162262	Y
2	IC 410-630243/8	0.25	0.259578	5.0	423899.0	1.038313	Y
3	IC 410-630243/7	1.25	1.314192	5.0	415727.0	1.051353	Y
4	IC 410-630243/6	3.75	4.178762	5.0	405857.0	1.114337	Y
5	IC 410-630243/5	7.5	8.963095	5.0	411619.0	1.195079	Y
6	ICIS 410-630243/2	12.5	15.140499	5.0	398829.0	1.21124	Y
7	IC 410-630243/4	20.0	24.051388	5.0	411928.0	1.202569	Y
8	IC 410-630243/3	30.0	33.534704	5.0	398684.0	1.117823	Y



Calibration / 1-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

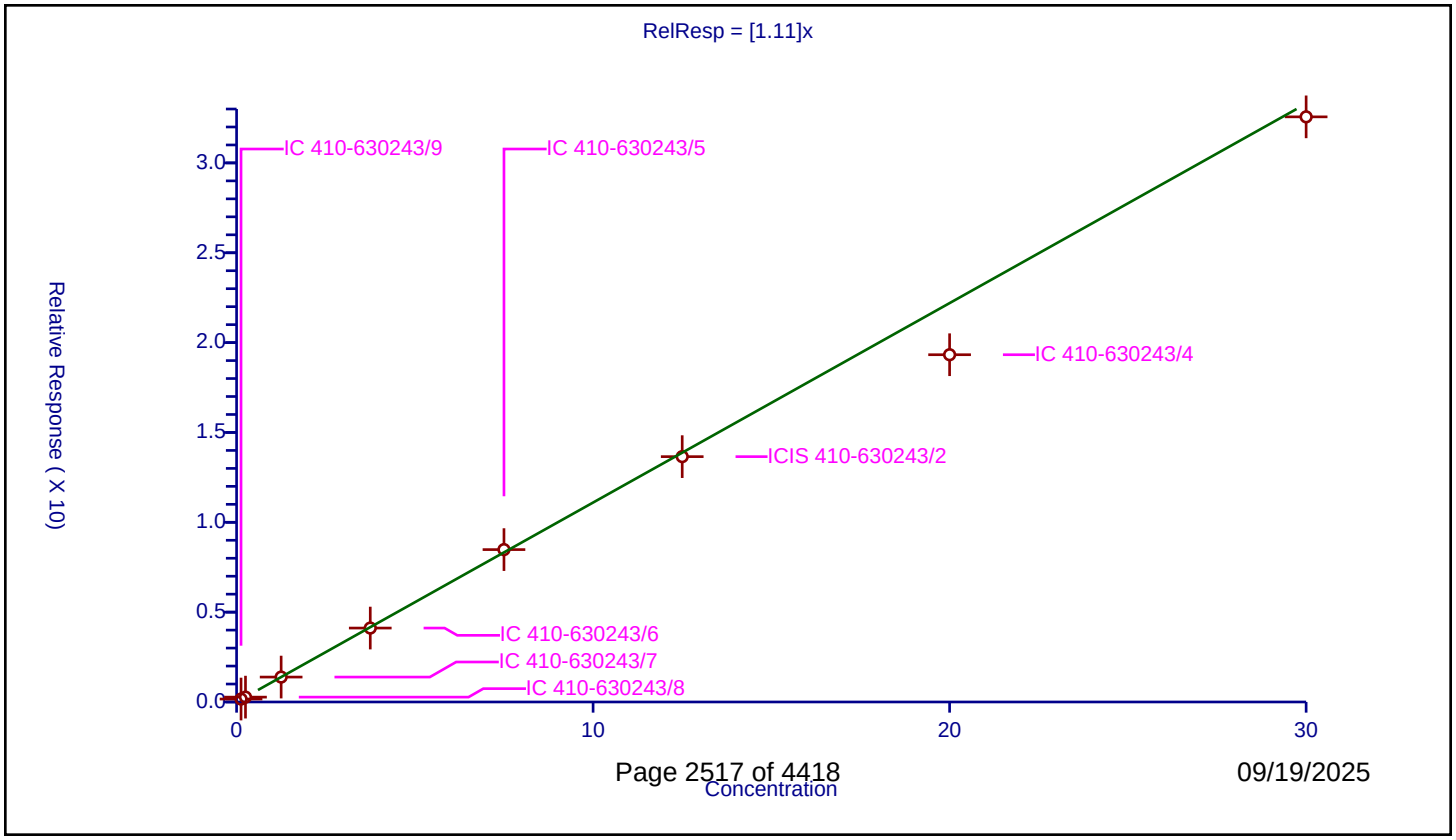
Curve Coefficients

Intercept:	0
Slope:	1.11

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.164207	5.0	496721.0	1.313655	Y
2	IC 410-630243/8	0.25	0.271067	5.0	423899.0	1.084268	Y
3	IC 410-630243/7	1.25	1.386631	5.0	415727.0	1.109305	Y
4	IC 410-630243/6	3.75	4.115033	5.0	405857.0	1.097342	Y
5	IC 410-630243/5	7.5	8.480804	5.0	411619.0	1.130774	Y
6	ICIS 410-630243/2	12.5	13.654423	5.0	398829.0	1.092354	Y
7	IC 410-630243/4	20.0	19.325562	5.0	411928.0	0.966278	Y
8	IC 410-630243/3	30.0	32.564349	5.0	398684.0	1.085478	Y



Calibration / Phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

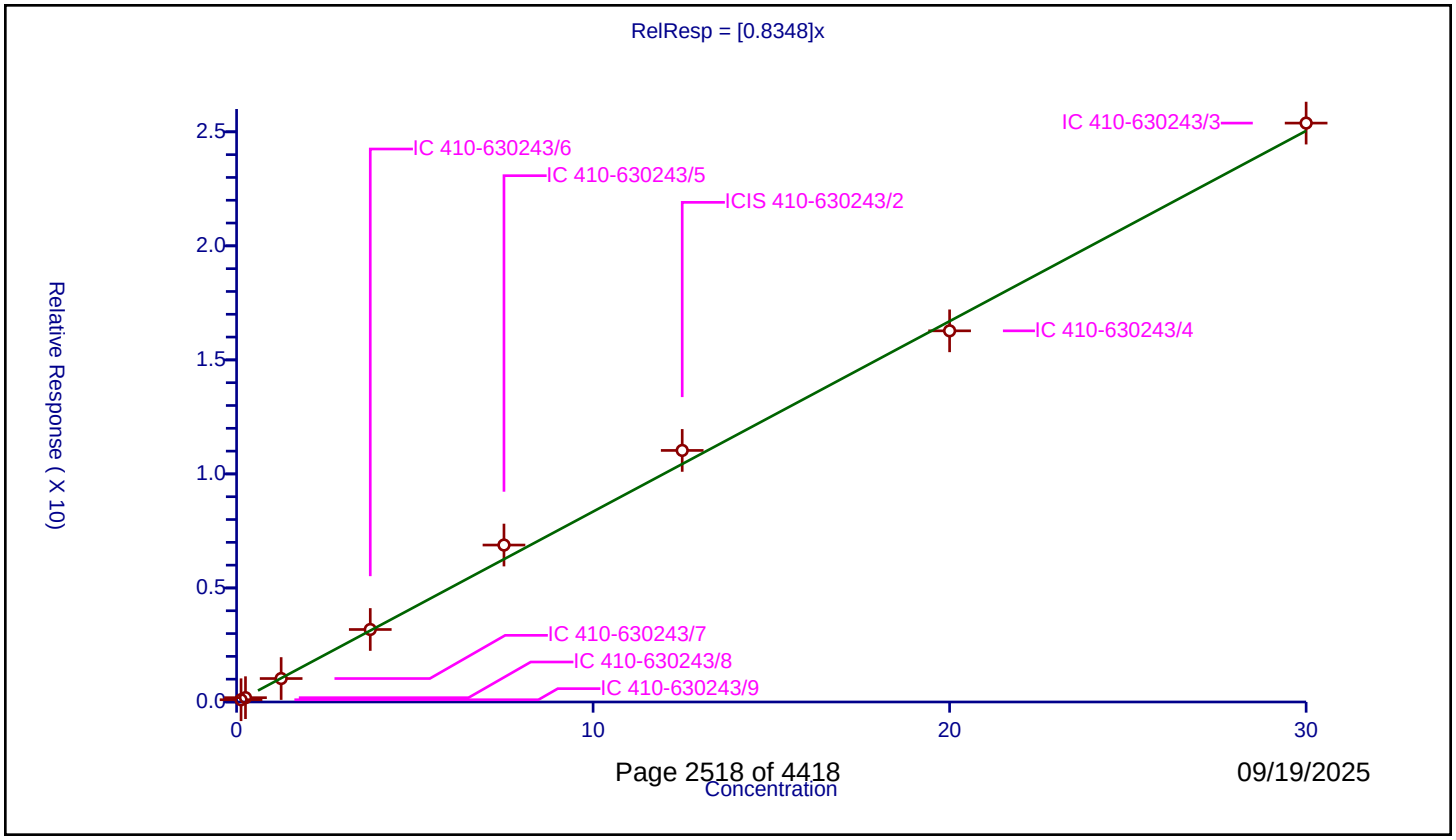
Curve Coefficients

Intercept:	0
Slope:	0.8348

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.09904	5.0	496721.0	0.792316	Y
2	IC 410-630243/8	0.25	0.189019	5.0	423899.0	0.756076	Y
3	IC 410-630243/7	1.25	1.028006	5.0	415727.0	0.822405	Y
4	IC 410-630243/6	3.75	3.178385	5.0	405857.0	0.847569	Y
5	IC 410-630243/5	7.5	6.882165	5.0	411619.0	0.917622	Y
6	ICIS 410-630243/2	12.5	11.02984	5.0	398829.0	0.882387	Y
7	IC 410-630243/4	20.0	16.274543	5.0	411928.0	0.813727	Y
8	IC 410-630243/3	30.0	25.383136	5.0	398684.0	0.846105	Y



Calibration / 2-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

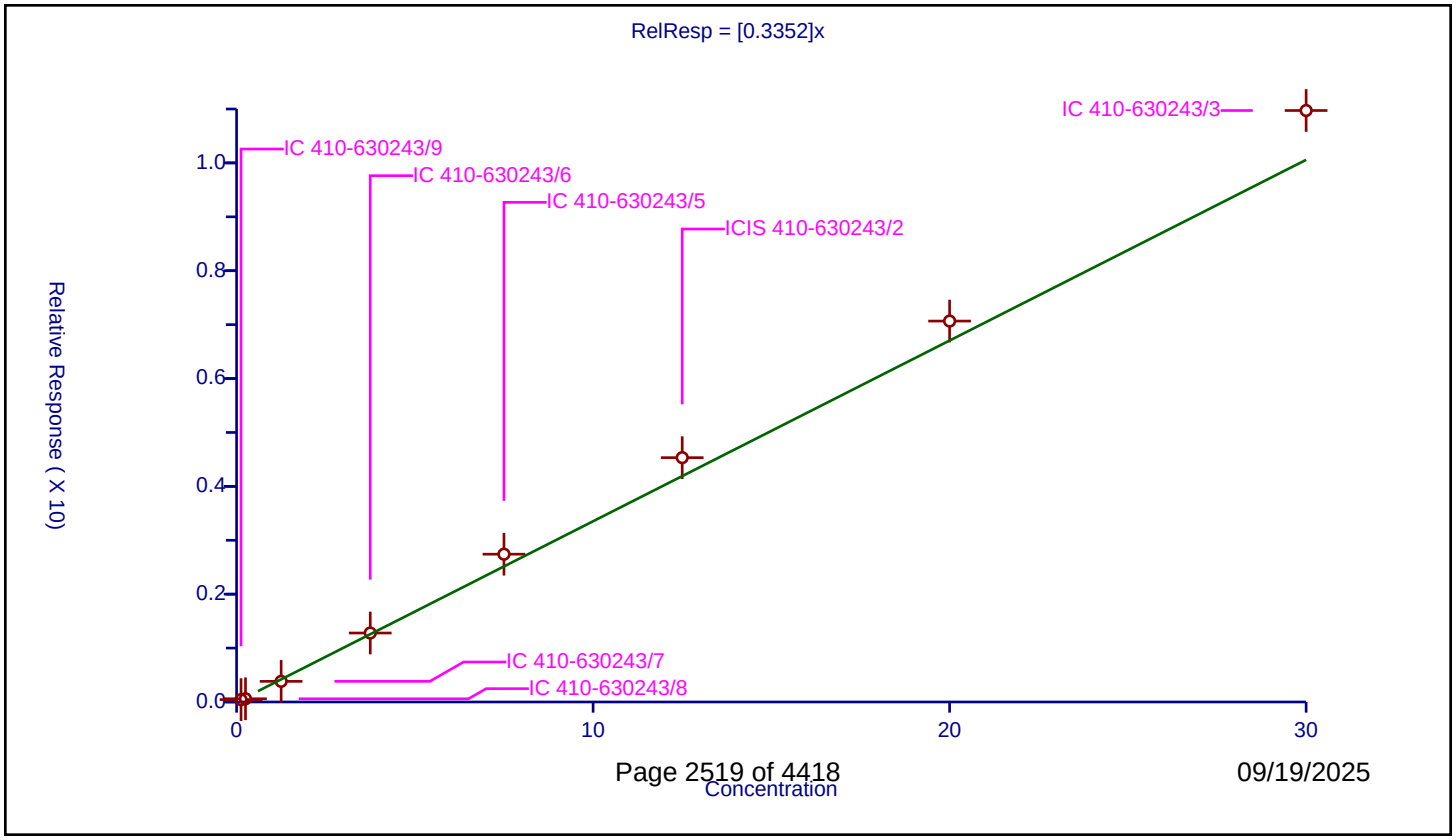
Curve Coefficients

Intercept:	0
Slope:	0.3352

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.043546	5.0	496721.0	0.348365	Y
2	IC 410-630243/8	0.25	0.059755	5.0	423899.0	0.239019	Y
3	IC 410-630243/7	1.25	0.382679	5.0	415727.0	0.306143	Y
4	IC 410-630243/6	3.75	1.279416	5.0	405857.0	0.341178	Y
5	IC 410-630243/5	7.5	2.741637	5.0	411619.0	0.365552	Y
6	ICIS 410-630243/2	12.5	4.532657	5.0	398829.0	0.362613	Y
7	IC 410-630243/4	20.0	7.066514	5.0	411928.0	0.353326	Y
8	IC 410-630243/3	30.0	10.972424	5.0	398684.0	0.365747	Y



09/19/2025

Calibration / 1,4-Naphthoquinone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

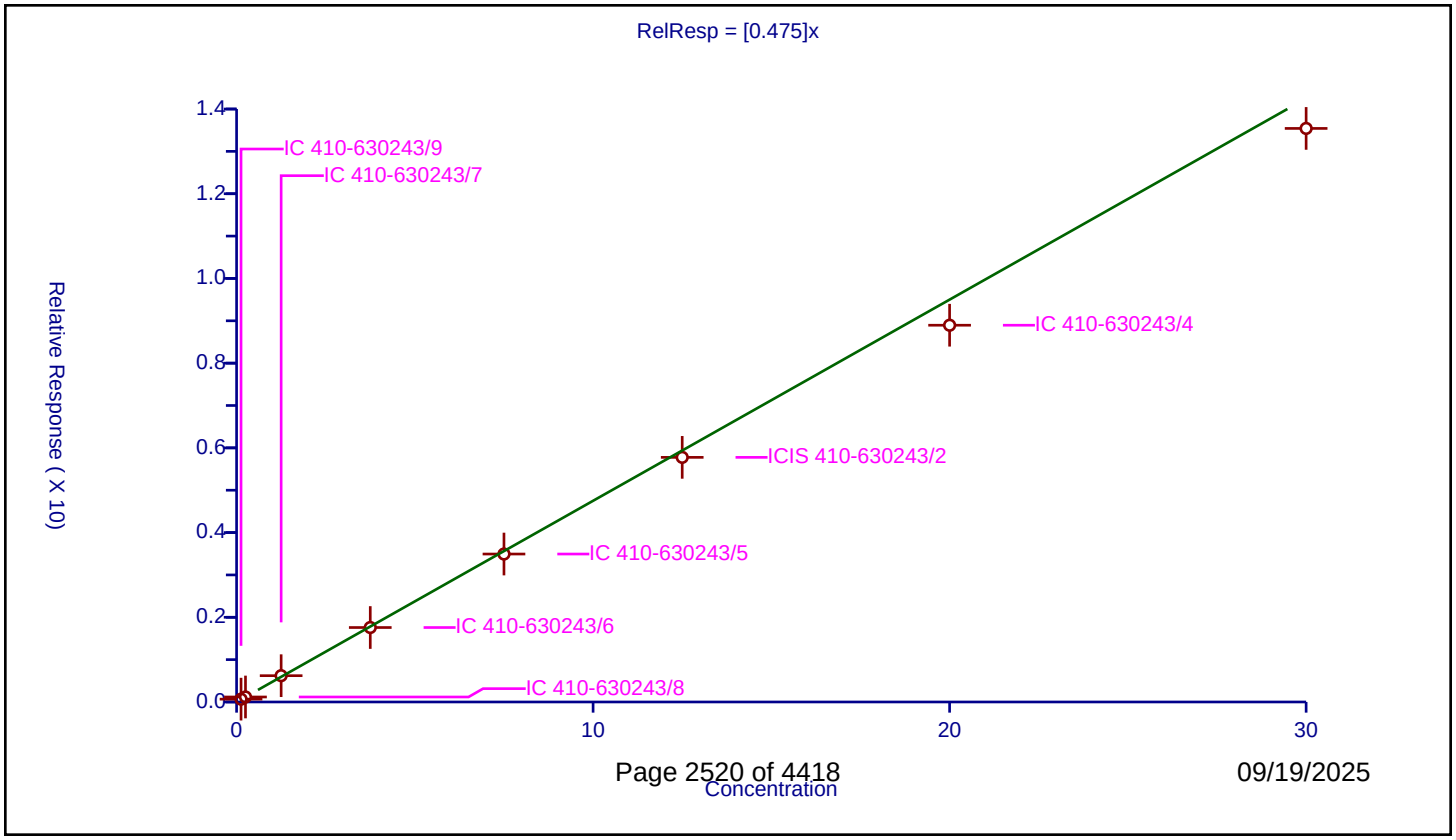
Curve Coefficients

Intercept:	0
Slope:	0.475

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.06716	5.0	496721.0	0.537284	Y
2	IC 410-630243/8	0.25	0.118248	5.0	423899.0	0.47299	Y
3	IC 410-630243/7	1.25	0.620972	5.0	415727.0	0.496778	Y
4	IC 410-630243/6	3.75	1.758304	5.0	405857.0	0.468881	Y
5	IC 410-630243/5	7.5	3.49323	5.0	411619.0	0.465764	Y
6	ICIS 410-630243/2	12.5	5.775696	5.0	398829.0	0.462056	Y
7	IC 410-630243/4	20.0	8.895511	5.0	411928.0	0.444776	Y
8	IC 410-630243/3	30.0	13.541878	5.0	398684.0	0.451396	Y



Calibration / 1,4-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

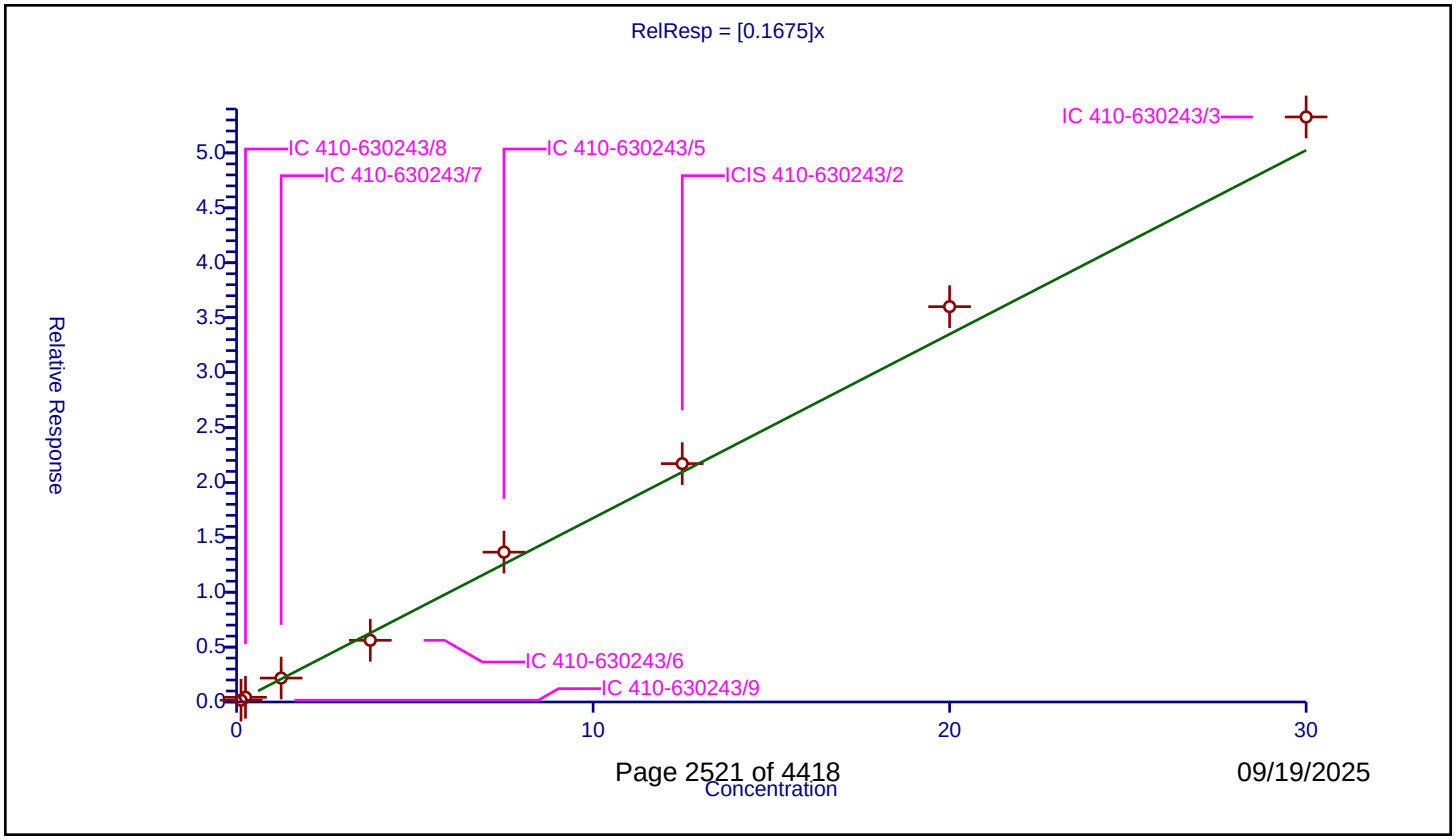
Curve Coefficients

Intercept:	0
Slope:	0.1675

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.016377	5.0	496721.0	0.131019	Y
2	IC 410-630243/8	0.25	0.042888	5.0	423899.0	0.17155	Y
3	IC 410-630243/7	1.25	0.217907	5.0	415727.0	0.174326	Y
4	IC 410-630243/6	3.75	0.561787	5.0	405857.0	0.14981	Y
5	IC 410-630243/5	7.5	1.364356	5.0	411619.0	0.181914	Y
6	ICIS 410-630243/2	12.5	2.170655	5.0	398829.0	0.173652	Y
7	IC 410-630243/4	20.0	3.600399	5.0	411928.0	0.18002	Y
8	IC 410-630243/3	30.0	5.32764	5.0	398684.0	0.177588	Y



Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

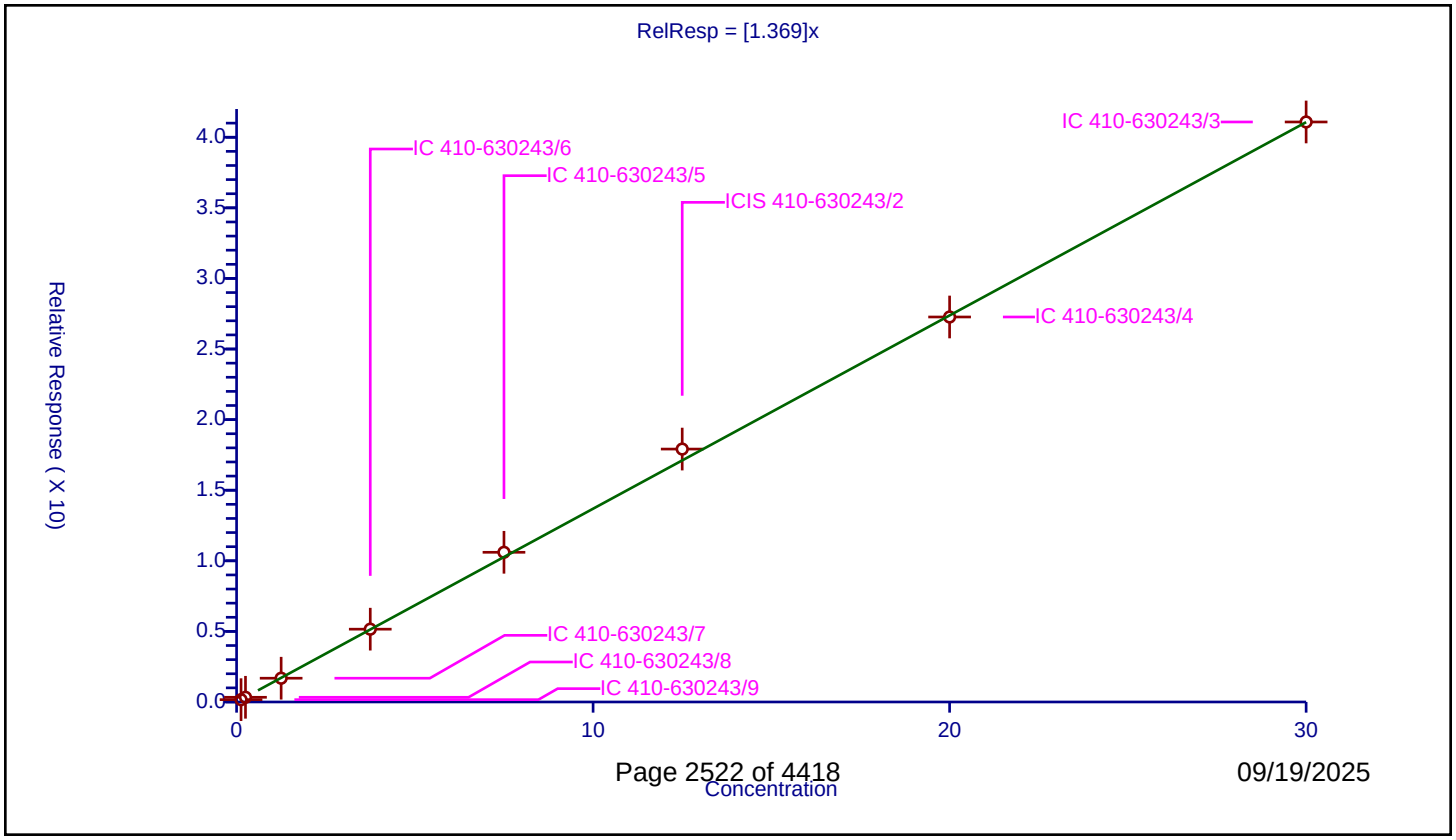
Curve Coefficients

Intercept:	0
Slope:	1.369

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.16463	5.0	496721.0	1.317037	Y
2	IC 410-630243/8	0.25	0.332957	5.0	423899.0	1.331827	Y
3	IC 410-630243/7	1.25	1.684579	5.0	415727.0	1.347663	Y
4	IC 410-630243/6	3.75	5.156705	5.0	405857.0	1.375121	Y
5	IC 410-630243/5	7.5	10.603264	5.0	411619.0	1.413769	Y
6	ICIS 410-630243/2	12.5	17.913605	5.0	398829.0	1.433088	Y
7	IC 410-630243/4	20.0	27.268491	5.0	411928.0	1.363425	Y
8	IC 410-630243/3	30.0	41.082248	5.0	398684.0	1.369408	Y



09/19/2025

Calibration / 1,3-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

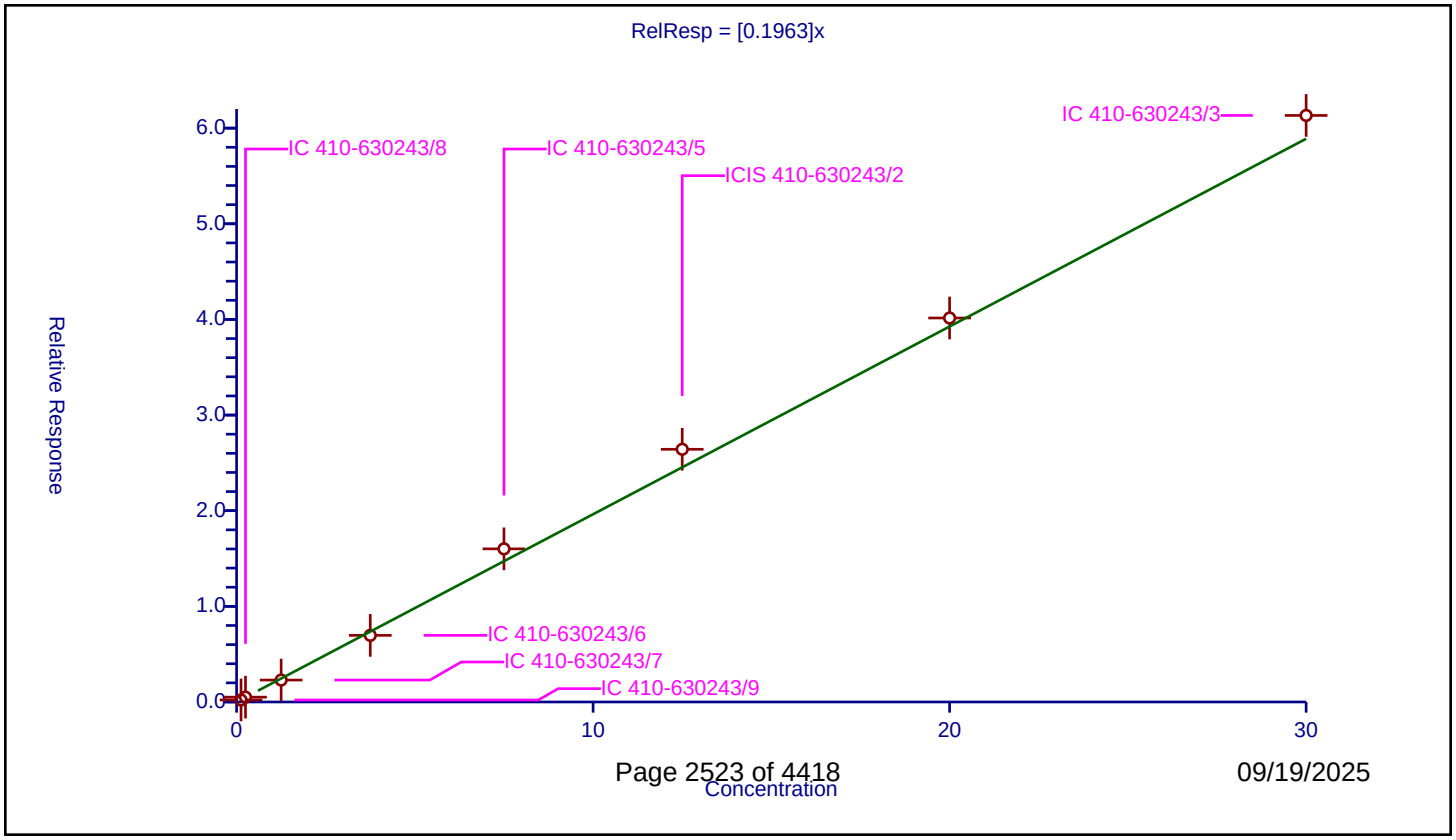
Curve Coefficients

Intercept:	0
Slope:	0.1963

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.021038	5.0	496721.0	0.168304	Y
2	IC 410-630243/8	0.25	0.050708	5.0	423899.0	0.202831	Y
3	IC 410-630243/7	1.25	0.229285	5.0	415727.0	0.183428	Y
4	IC 410-630243/6	3.75	0.6966	5.0	405857.0	0.18576	Y
5	IC 410-630243/5	7.5	1.601104	5.0	411619.0	0.213481	Y
6	ICIS 410-630243/2	12.5	2.642172	5.0	398829.0	0.211374	Y
7	IC 410-630243/4	20.0	4.014937	5.0	411928.0	0.200747	Y
8	IC 410-630243/3	30.0	6.132739	5.0	398684.0	0.204425	Y



Calibration / 2,6-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

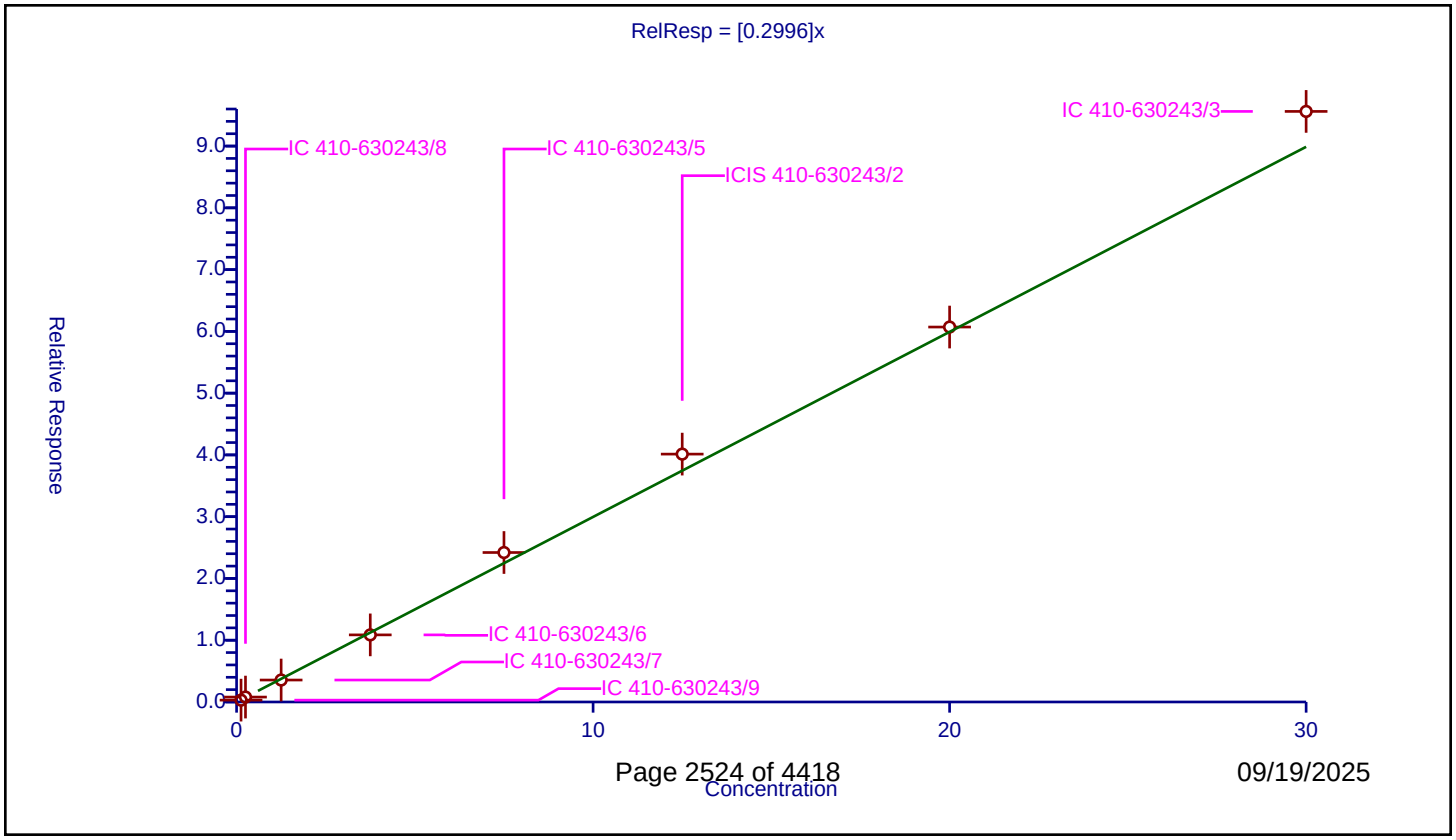
Curve Coefficients

Intercept:	0
Slope:	0.2996

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.029836	5.0	496721.0	0.238685	Y
2	IC 410-630243/8	0.25	0.079476	5.0	423899.0	0.317906	Y
3	IC 410-630243/7	1.25	0.355666	5.0	415727.0	0.284533	Y
4	IC 410-630243/6	3.75	1.08638	5.0	405857.0	0.289701	Y
5	IC 410-630243/5	7.5	2.41992	5.0	411619.0	0.322656	Y
6	ICIS 410-630243/2	12.5	4.013211	5.0	398829.0	0.321057	Y
7	IC 410-630243/4	20.0	6.070442	5.0	411928.0	0.303522	Y
8	IC 410-630243/3	30.0	9.561219	5.0	398684.0	0.318707	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

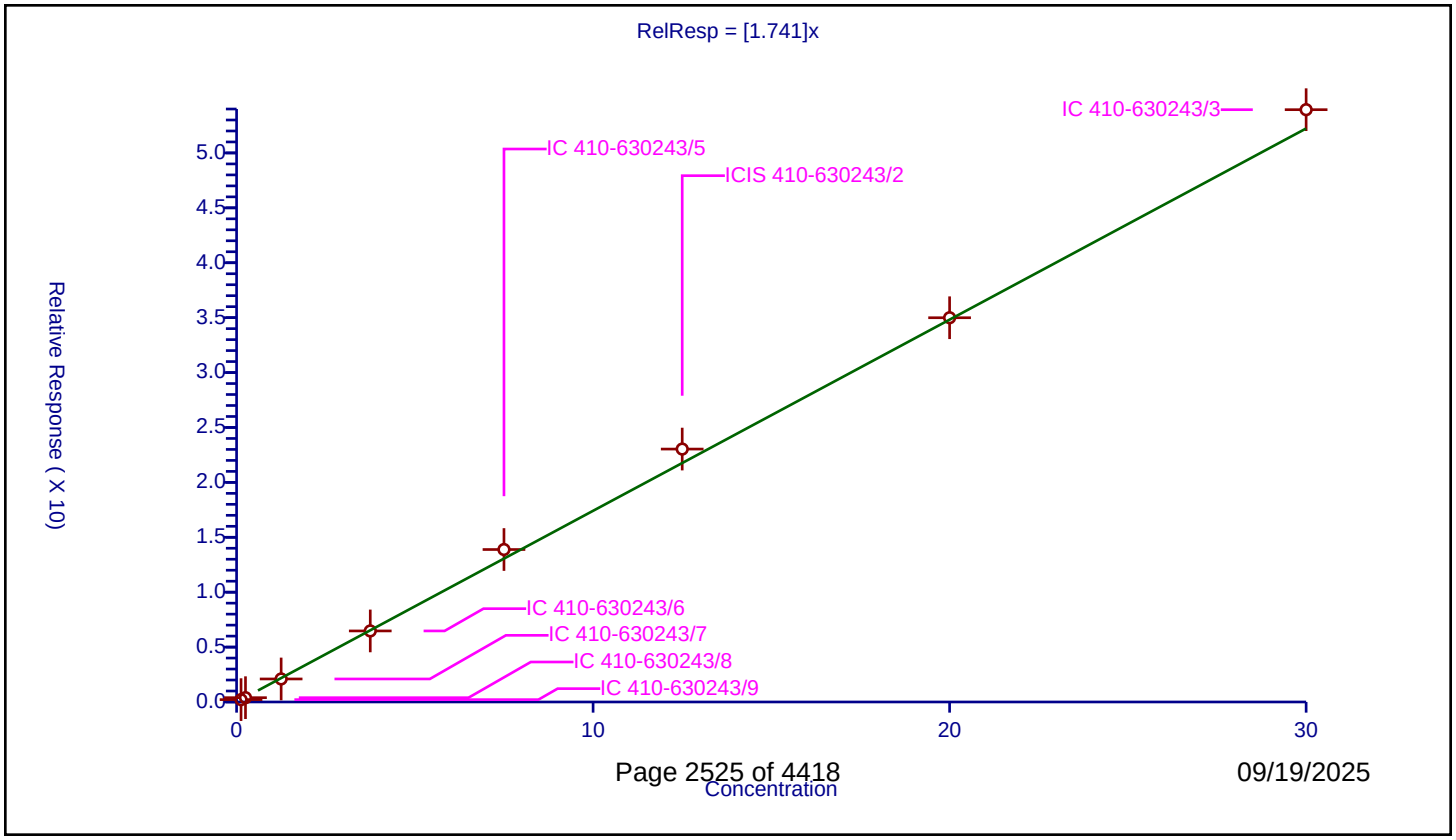
Curve Coefficients

Intercept:	0
Slope:	1.741

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.214829	5.0	496721.0	1.718631	Y
2	IC 410-630243/8	0.25	0.391013	5.0	423899.0	1.564052	Y
3	IC 410-630243/7	1.25	2.097109	5.0	415727.0	1.677688	Y
4	IC 410-630243/6	3.75	6.469877	5.0	405857.0	1.725301	Y
5	IC 410-630243/5	7.5	13.883822	5.0	411619.0	1.851176	Y
6	ICIS 410-630243/2	12.5	23.033719	5.0	398829.0	1.842697	Y
7	IC 410-630243/4	20.0	34.993615	5.0	411928.0	1.749681	Y
8	IC 410-630243/3	30.0	53.938382	5.0	398684.0	1.797946	Y



09/19/2025

Calibration / 3-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

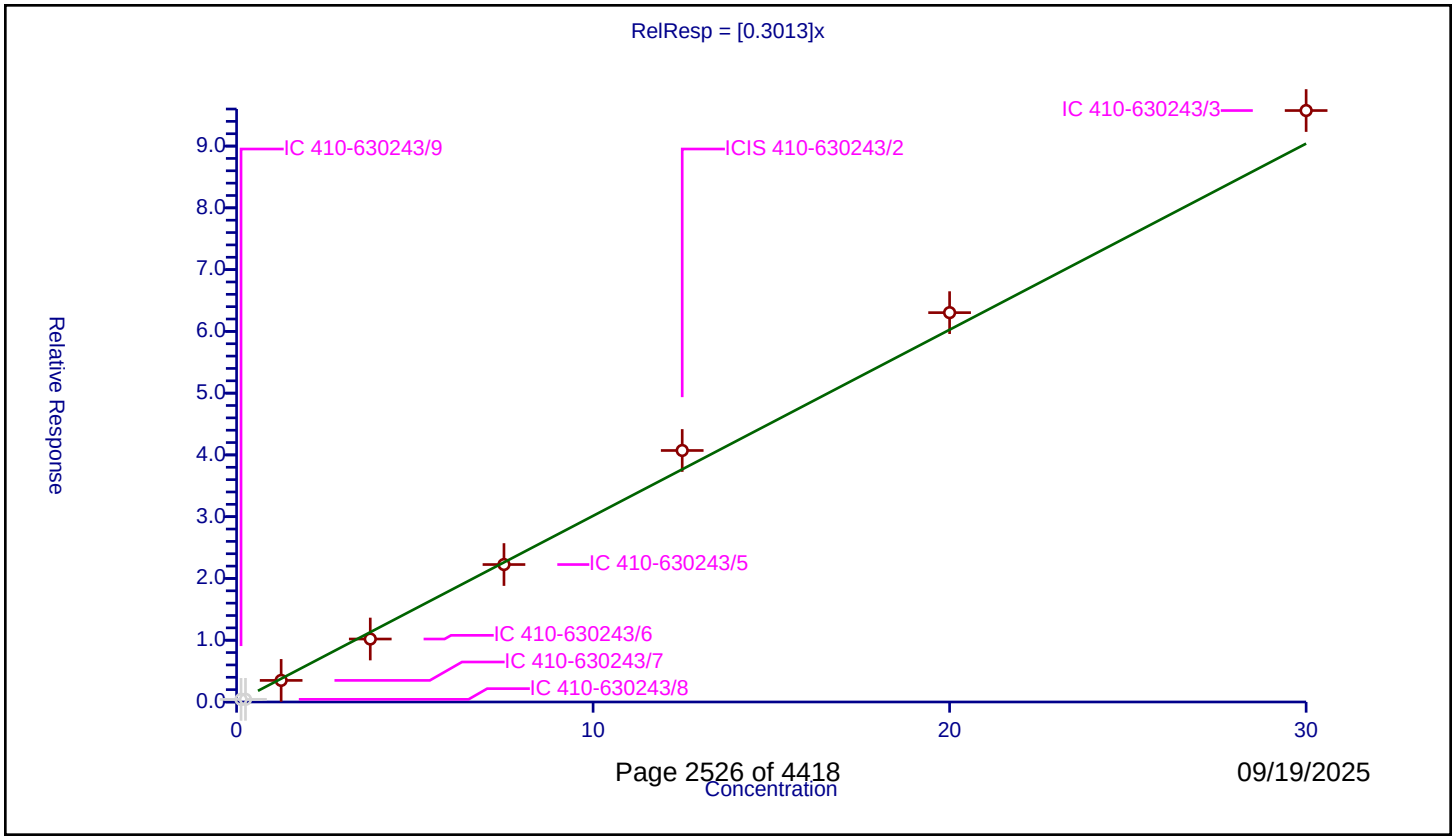
Curve Coefficients

Intercept:	0
Slope:	0.3013

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.042207	5.0	496721.0	0.337654	N
2	IC 410-630243/8	0.25	0.042911	5.0	423899.0	0.171645	N
3	IC 410-630243/7	1.25	0.349316	5.0	415727.0	0.279453	Y
4	IC 410-630243/6	3.75	1.019386	5.0	405857.0	0.271836	Y
5	IC 410-630243/5	7.5	2.225189	5.0	411619.0	0.296692	Y
6	ICIS 410-630243/2	12.5	4.071632	5.0	398829.0	0.325731	Y
7	IC 410-630243/4	20.0	6.303274	5.0	411928.0	0.315164	Y
8	IC 410-630243/3	30.0	9.575253	5.0	398684.0	0.319175	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

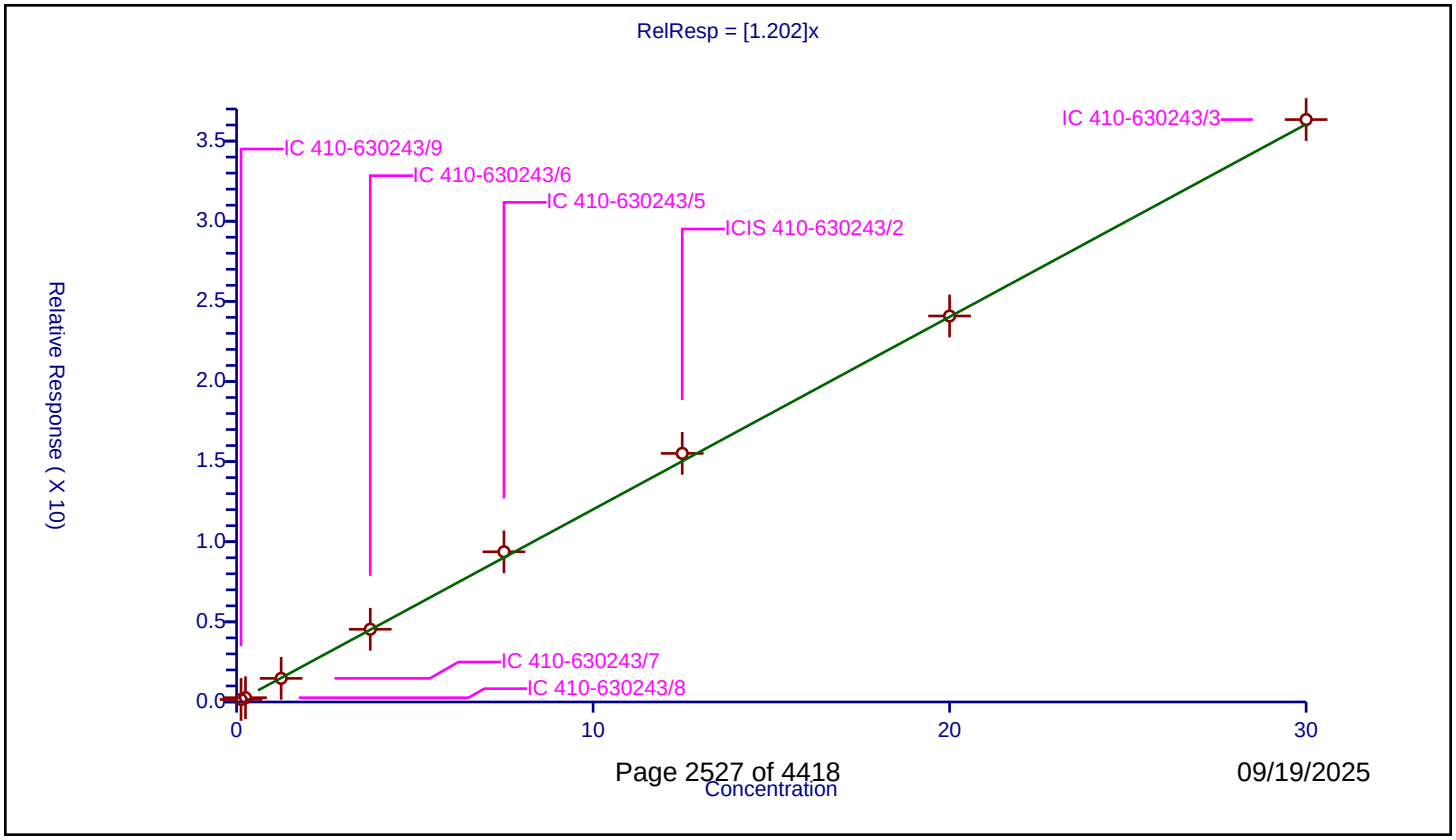
Curve Coefficients

Intercept:	0
Slope:	1.202

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.156657	5.0	496721.0	1.253259	Y
2	IC 410-630243/8	0.25	0.266325	5.0	423899.0	1.065301	Y
3	IC 410-630243/7	1.25	1.472673	5.0	415727.0	1.178139	Y
4	IC 410-630243/6	3.75	4.53815	5.0	405857.0	1.210173	Y
5	IC 410-630243/5	7.5	9.372818	5.0	411619.0	1.249709	Y
6	ICIS 410-630243/2	12.5	15.51161	5.0	398829.0	1.240929	Y
7	IC 410-630243/4	20.0	24.084585	5.0	411928.0	1.204229	Y
8	IC 410-630243/3	30.0	36.341413	5.0	398684.0	1.21138	Y



09/19/2025

Calibration / 2,4-Dinitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

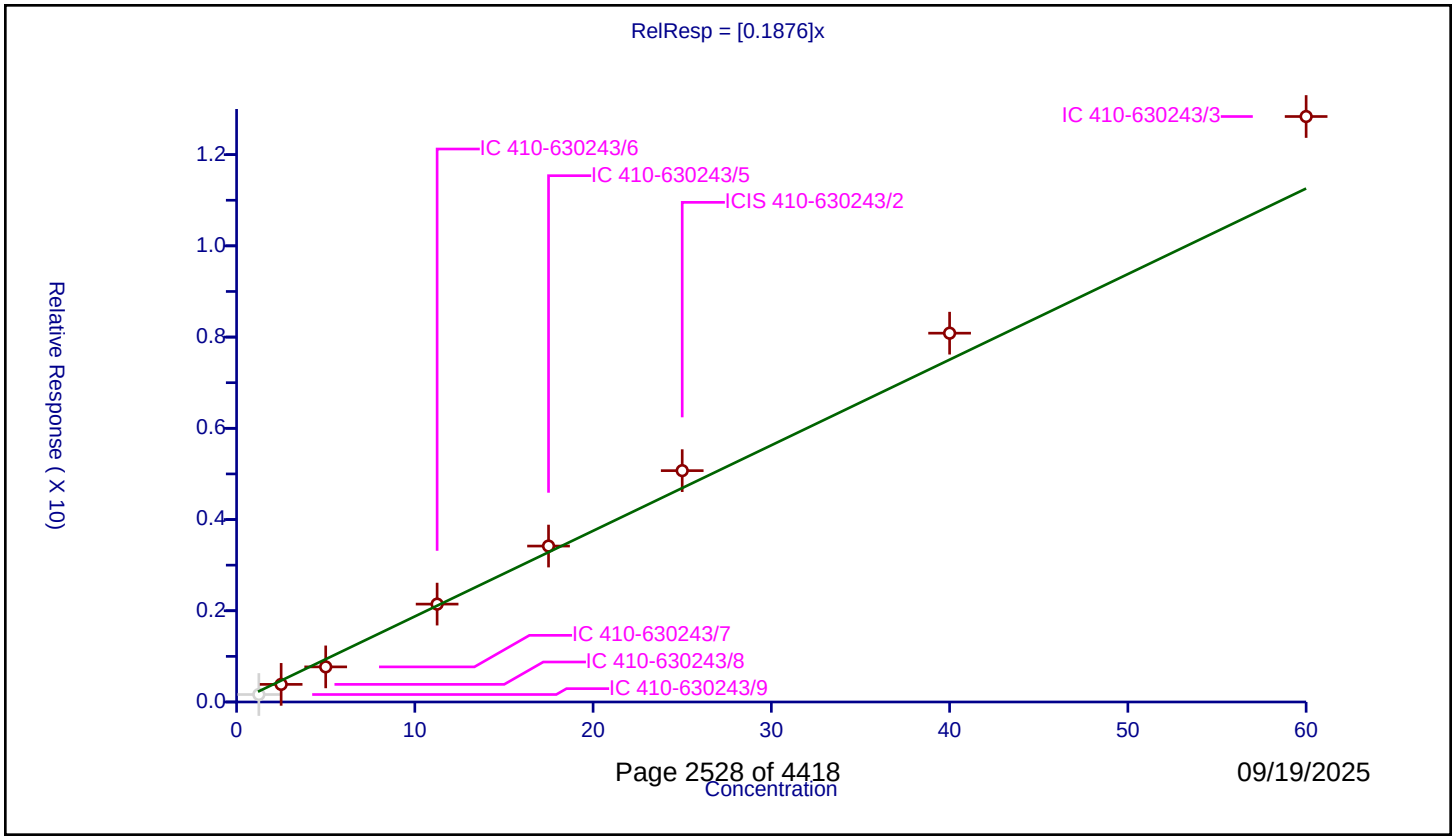
Curve Coefficients

Intercept:	0
Slope:	0.1876

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	1.25	0.163885	5.0	496721.0	0.131108	N
2	IC 410-630243/8	2.5	0.385965	5.0	423899.0	0.154386	Y
3	IC 410-630243/7	5.0	0.76958	5.0	415727.0	0.153916	Y
4	IC 410-630243/6	11.25	2.14562	5.0	405857.0	0.190722	Y
5	IC 410-630243/5	17.5	3.418866	5.0	411619.0	0.195364	Y
6	ICIS 410-630243/2	25.0	5.071898	5.0	398829.0	0.202876	Y
7	IC 410-630243/4	40.0	8.085369	5.0	411928.0	0.202134	Y
8	IC 410-630243/3	60.0	12.835429	5.0	398684.0	0.213924	Y



Calibration / 4-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

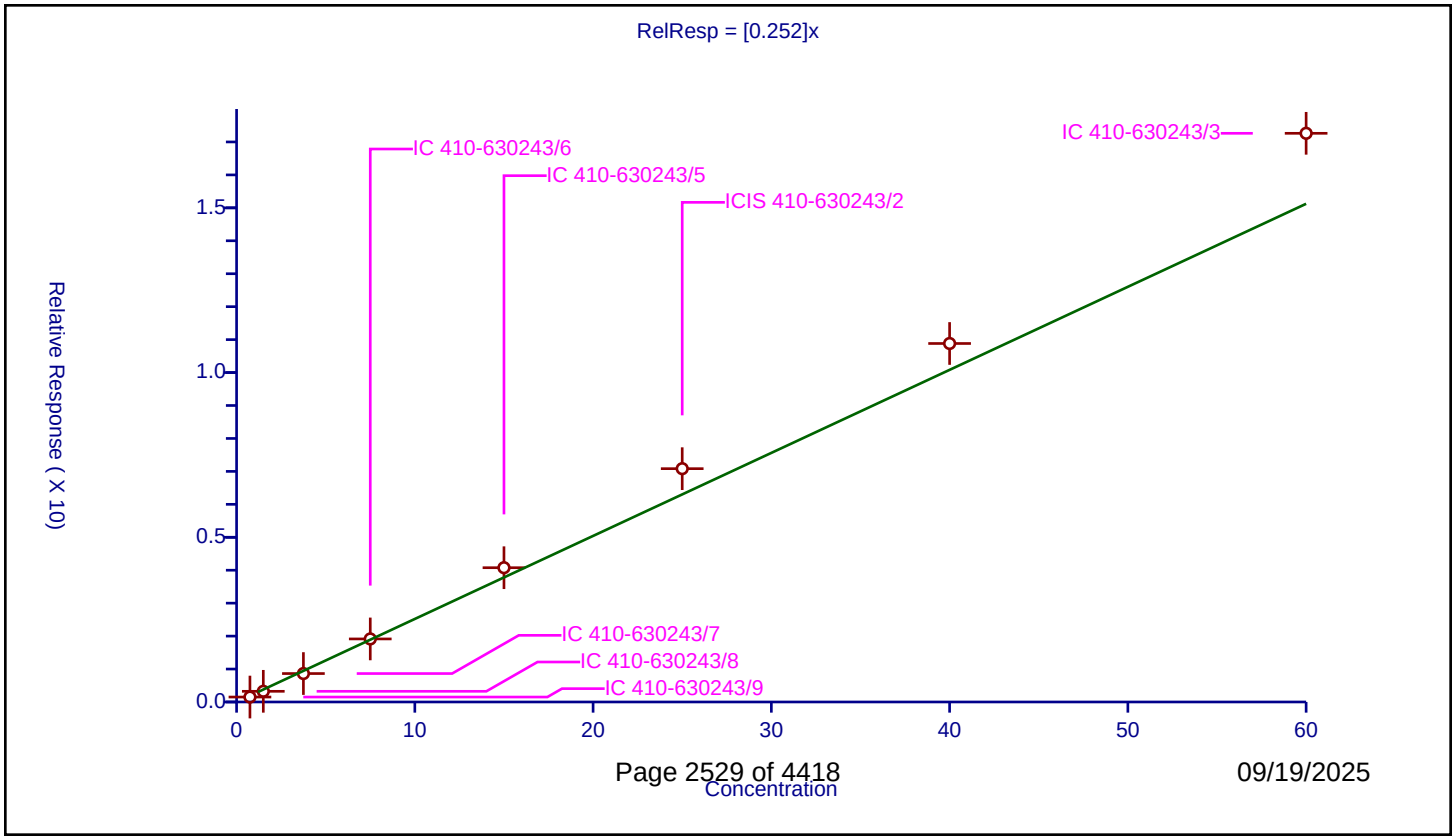
Curve Coefficients

Intercept:	0
Slope:	0.252

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.75	0.150114	5.0	496721.0	0.200153	Y
2	IC 410-630243/8	1.5	0.324098	5.0	423899.0	0.216066	Y
3	IC 410-630243/7	3.75	0.863127	5.0	415727.0	0.230167	Y
4	IC 410-630243/6	7.5	1.913851	5.0	405857.0	0.25518	Y
5	IC 410-630243/5	15.0	4.076306	5.0	411619.0	0.271754	Y
6	ICIS 410-630243/2	25.0	7.082334	5.0	398829.0	0.283293	Y
7	IC 410-630243/4	40.0	10.882242	5.0	411928.0	0.272056	Y
8	IC 410-630243/3	60.0	17.262632	5.0	398684.0	0.287711	Y



09/19/2025

Calibration / Pentachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

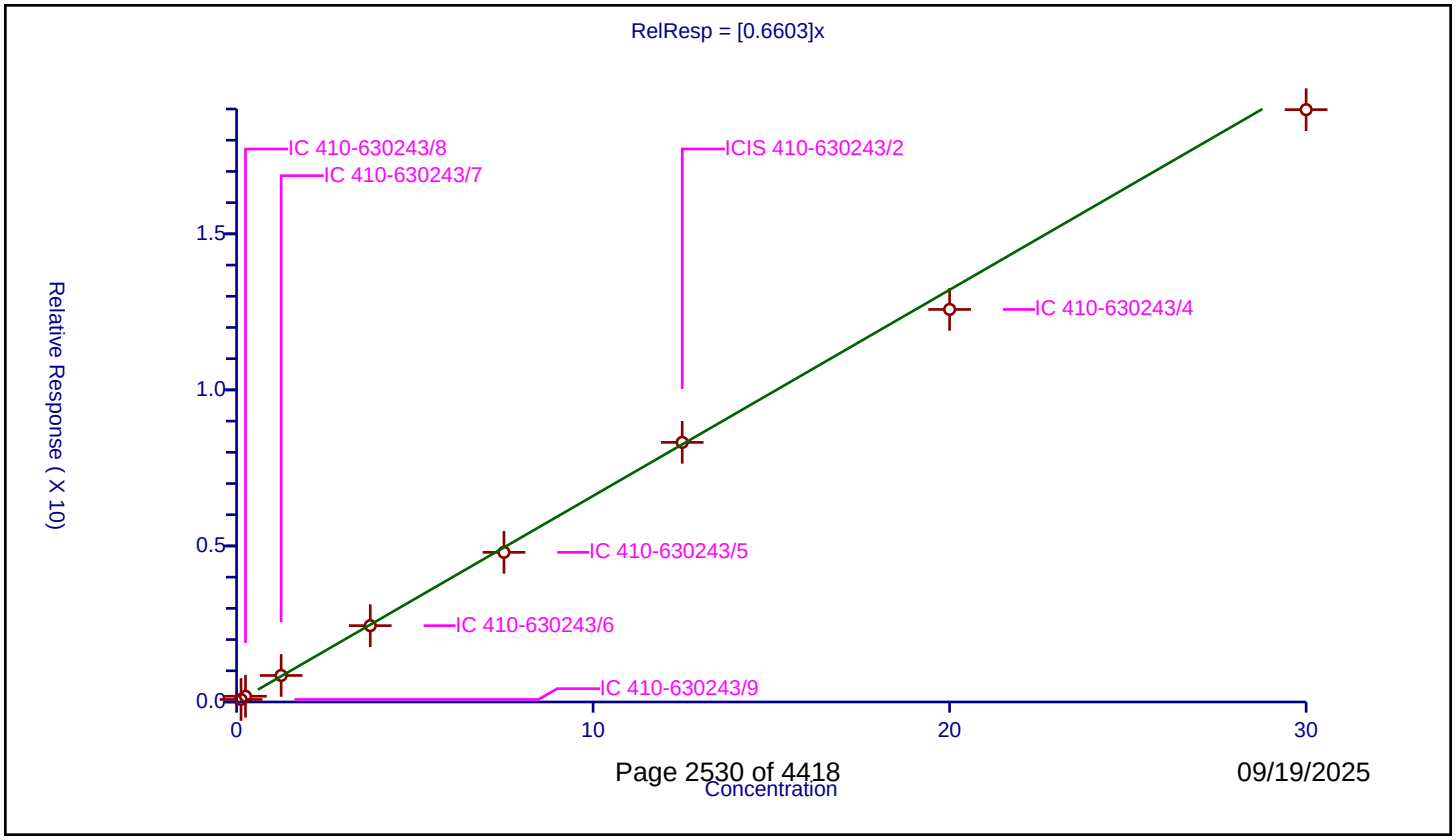
Curve Coefficients

Intercept:	0
Slope:	0.6603

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.081041	5.0	496721.0	0.648332	Y
2	IC 410-630243/8	0.25	0.183912	5.0	423899.0	0.735647	Y
3	IC 410-630243/7	1.25	0.850089	5.0	415727.0	0.680071	Y
4	IC 410-630243/6	3.75	2.445529	5.0	405857.0	0.652141	Y
5	IC 410-630243/5	7.5	4.79492	5.0	411619.0	0.639323	Y
6	ICIS 410-630243/2	12.5	8.318615	5.0	398829.0	0.665489	Y
7	IC 410-630243/4	20.0	12.57812	5.0	411928.0	0.628906	Y
8	IC 410-630243/3	30.0	18.979166	5.0	398684.0	0.632639	Y



Calibration / 2,4-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

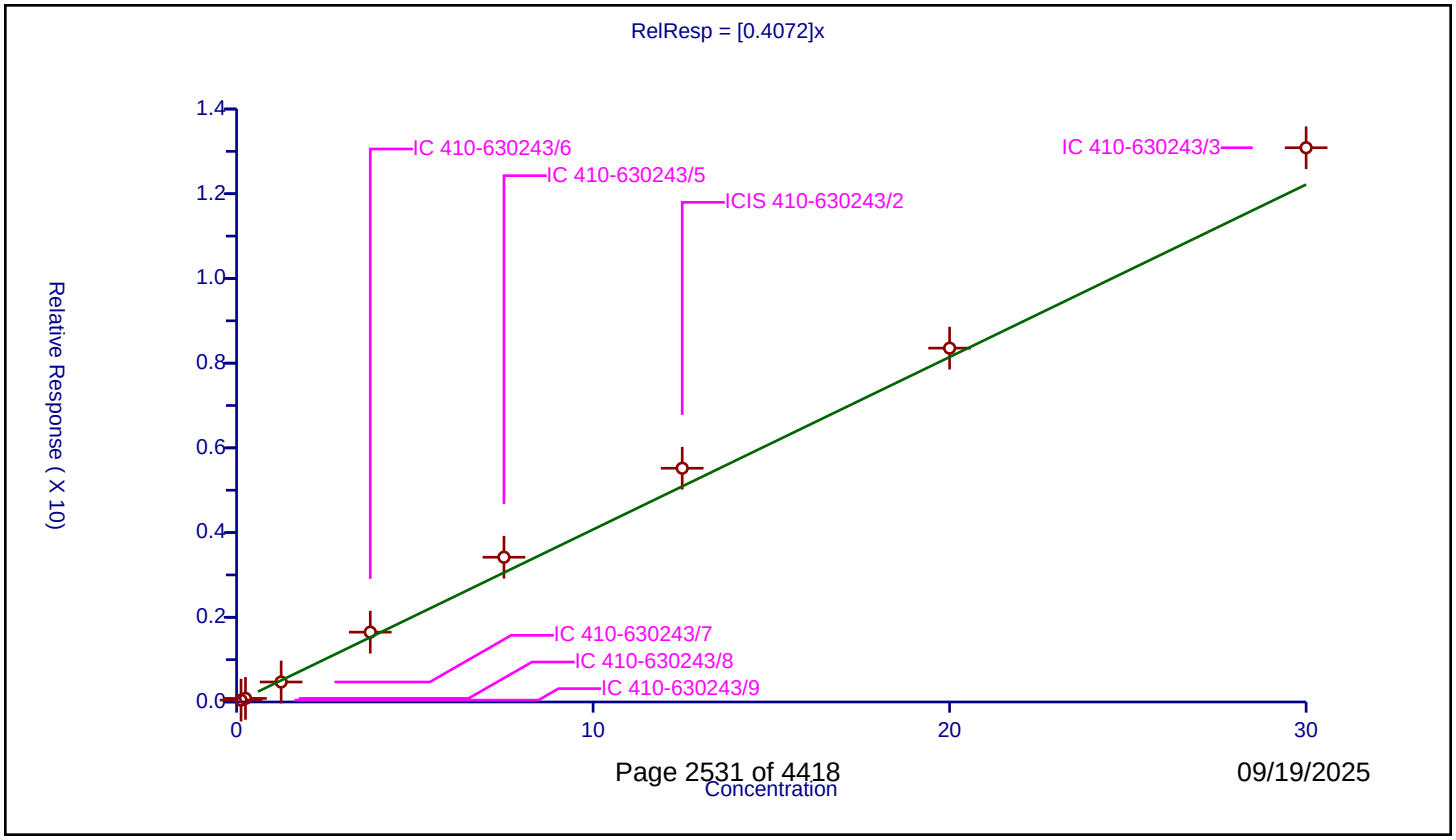
Curve Coefficients

Intercept:	0
Slope:	0.4072

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.043868	5.0	496721.0	0.350941	Y
2	IC 410-630243/8	0.25	0.084631	5.0	423899.0	0.338524	Y
3	IC 410-630243/7	1.25	0.472173	5.0	415727.0	0.377738	Y
4	IC 410-630243/6	3.75	1.648388	5.0	405857.0	0.43957	Y
5	IC 410-630243/5	7.5	3.417469	5.0	411619.0	0.455662	Y
6	ICIS 410-630243/2	12.5	5.518756	5.0	398829.0	0.4415	Y
7	IC 410-630243/4	20.0	8.354312	5.0	411928.0	0.417716	Y
8	IC 410-630243/3	30.0	13.08584	5.0	398684.0	0.436195	Y



09/19/2025

Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

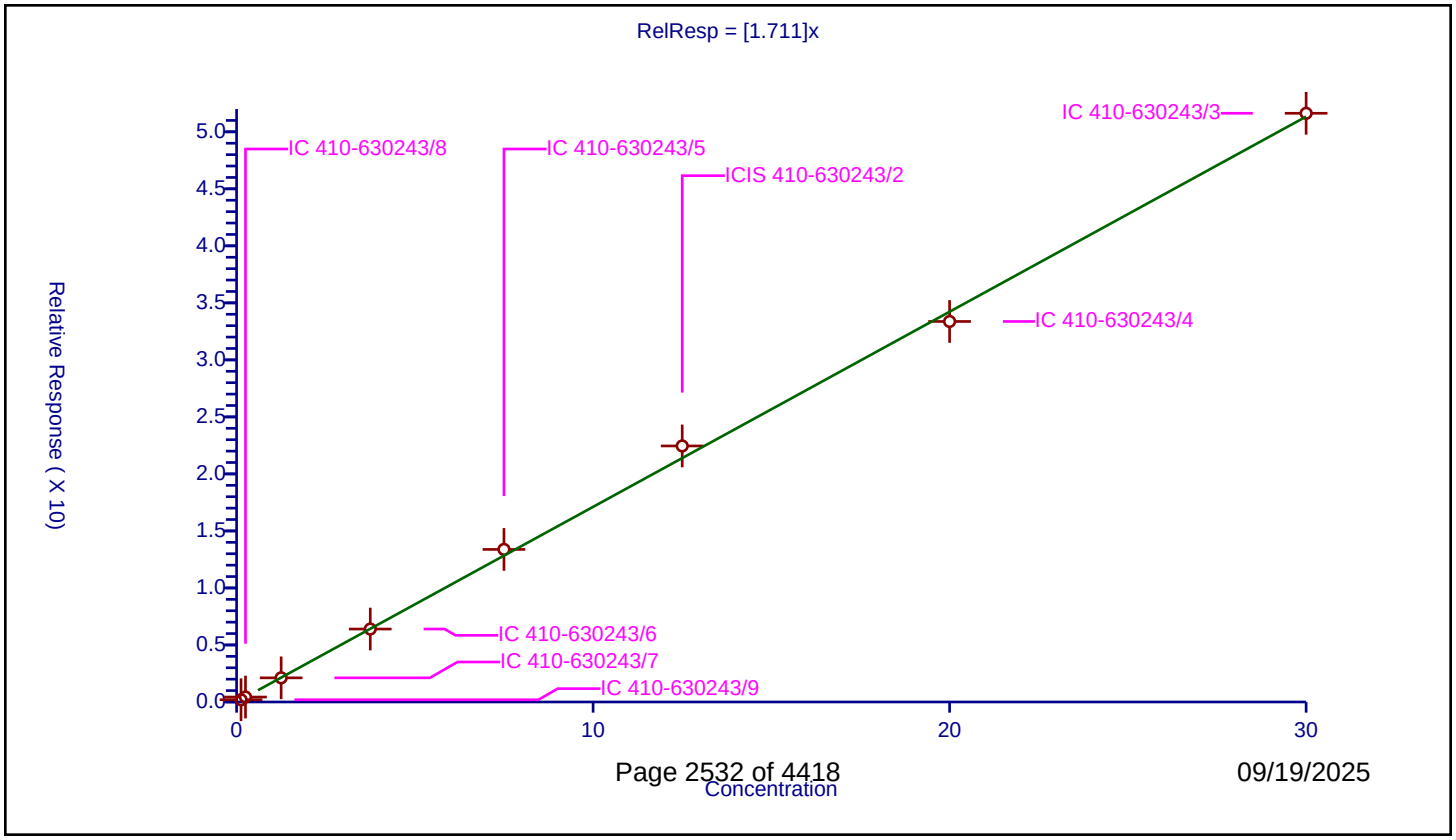
Curve Coefficients

Intercept:	0
Slope:	1.711

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.197767	5.0	496721.0	1.582136	Y
2	IC 410-630243/8	0.25	0.434443	5.0	423899.0	1.737772	Y
3	IC 410-630243/7	1.25	2.117038	5.0	415727.0	1.693631	Y
4	IC 410-630243/6	3.75	6.396428	5.0	405857.0	1.705714	Y
5	IC 410-630243/5	7.5	13.380687	5.0	411619.0	1.784092	Y
6	ICIS 410-630243/2	12.5	22.453157	5.0	398829.0	1.796253	Y
7	IC 410-630243/4	20.0	33.370213	5.0	411928.0	1.668511	Y
8	IC 410-630243/3	30.0	51.626376	5.0	398684.0	1.720879	Y



Calibration / 1-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

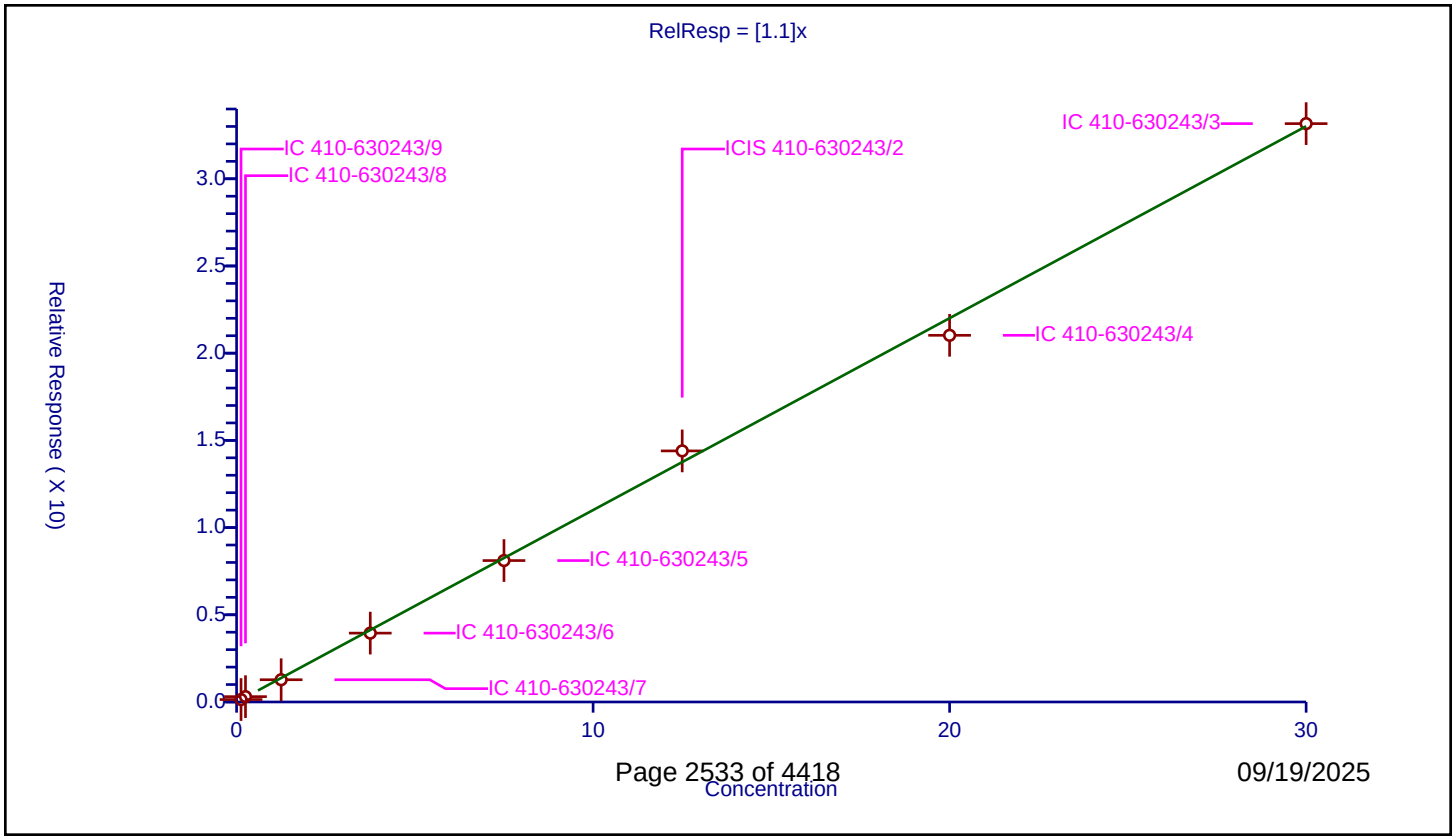
Curve Coefficients

Intercept:	0
Slope:	1.1

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.139293	5.0	496721.0	1.114348	Y
2	IC 410-630243/8	0.25	0.306476	5.0	423899.0	1.225905	Y
3	IC 410-630243/7	1.25	1.275416	5.0	415727.0	1.020333	Y
4	IC 410-630243/6	3.75	3.948965	5.0	405857.0	1.053057	Y
5	IC 410-630243/5	7.5	8.109696	5.0	411619.0	1.081293	Y
6	ICIS 410-630243/2	12.5	14.396546	5.0	398829.0	1.151724	Y
7	IC 410-630243/4	20.0	21.02507	5.0	411928.0	1.051253	Y
8	IC 410-630243/3	30.0	33.161338	5.0	398684.0	1.105378	Y



09/19/2025

Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

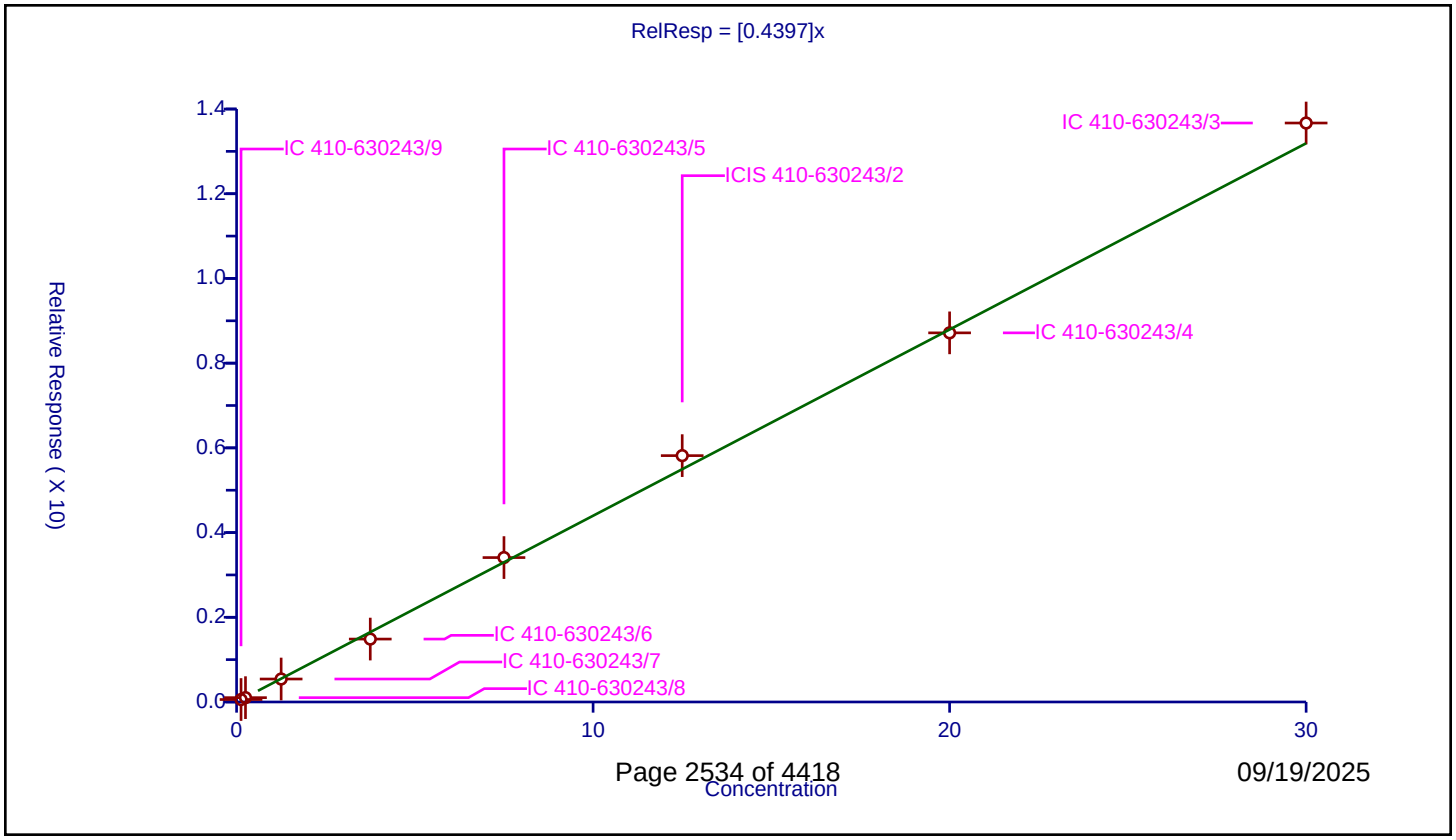
Curve Coefficients

Intercept:	0
Slope:	0.4397

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.058413	5.0	496721.0	0.467305	Y
2	IC 410-630243/8	0.25	0.102112	5.0	423899.0	0.408446	Y
3	IC 410-630243/7	1.25	0.542676	5.0	415727.0	0.434141	Y
4	IC 410-630243/6	3.75	1.485646	5.0	405857.0	0.396172	Y
5	IC 410-630243/5	7.5	3.40984	5.0	411619.0	0.454645	Y
6	ICIS 410-630243/2	12.5	5.816277	5.0	398829.0	0.465302	Y
7	IC 410-630243/4	20.0	8.715309	5.0	411928.0	0.435765	Y
8	IC 410-630243/3	30.0	13.669698	5.0	398684.0	0.455657	Y



Calibration / 2-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

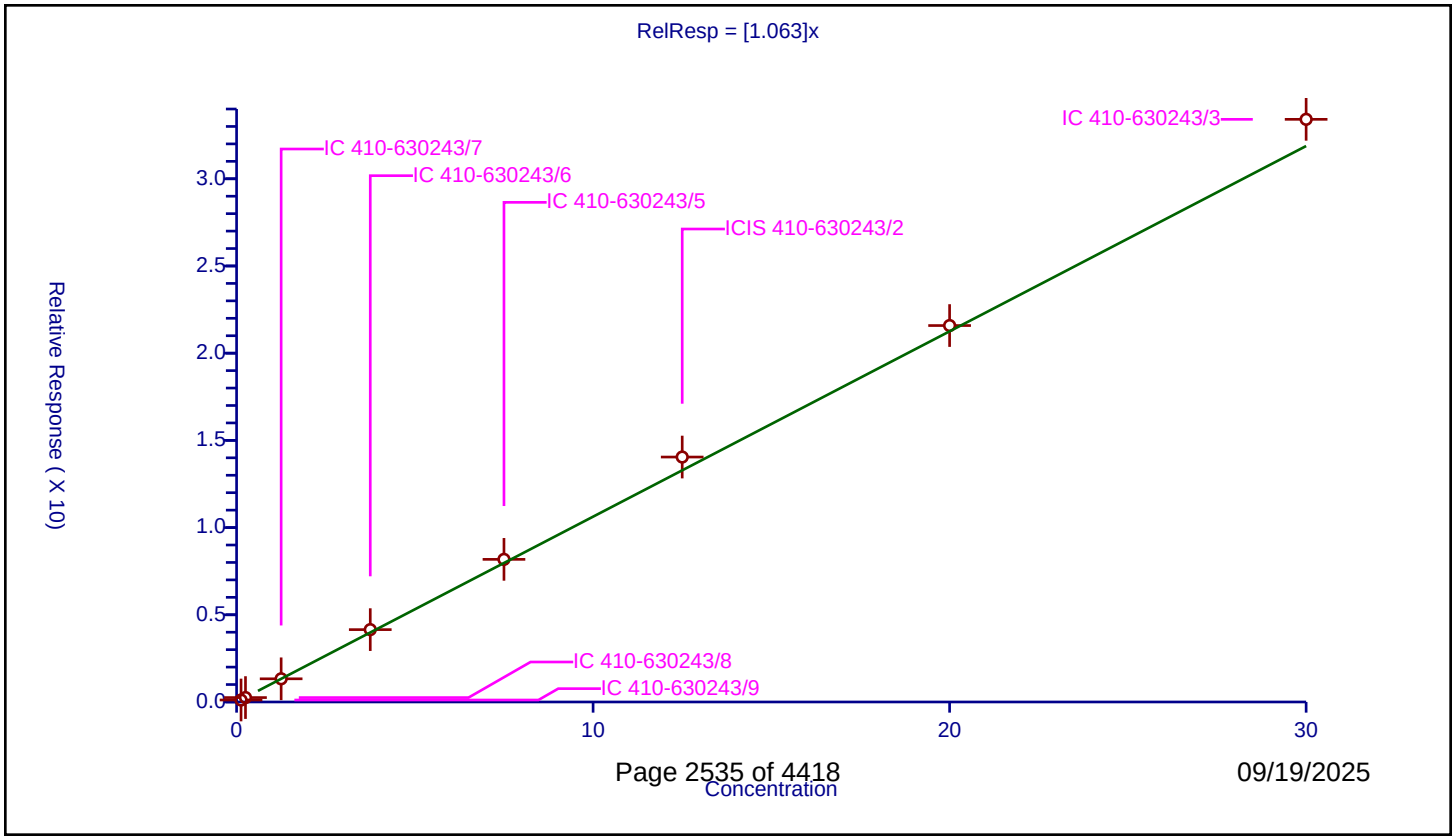
Curve Coefficients

Intercept:	0
Slope:	1.063

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.113867	5.0	496721.0	0.910934	Y
2	IC 410-630243/8	0.25	0.253327	5.0	423899.0	1.013307	Y
3	IC 410-630243/7	1.25	1.329166	5.0	415727.0	1.063332	Y
4	IC 410-630243/6	3.75	4.148937	5.0	405857.0	1.106383	Y
5	IC 410-630243/5	7.5	8.177939	5.0	411619.0	1.090392	Y
6	ICIS 410-630243/2	12.5	14.044741	5.0	398829.0	1.123579	Y
7	IC 410-630243/4	20.0	21.583918	5.0	411928.0	1.079196	Y
8	IC 410-630243/3	30.0	33.408364	5.0	398684.0	1.113612	Y



09/19/2025

Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

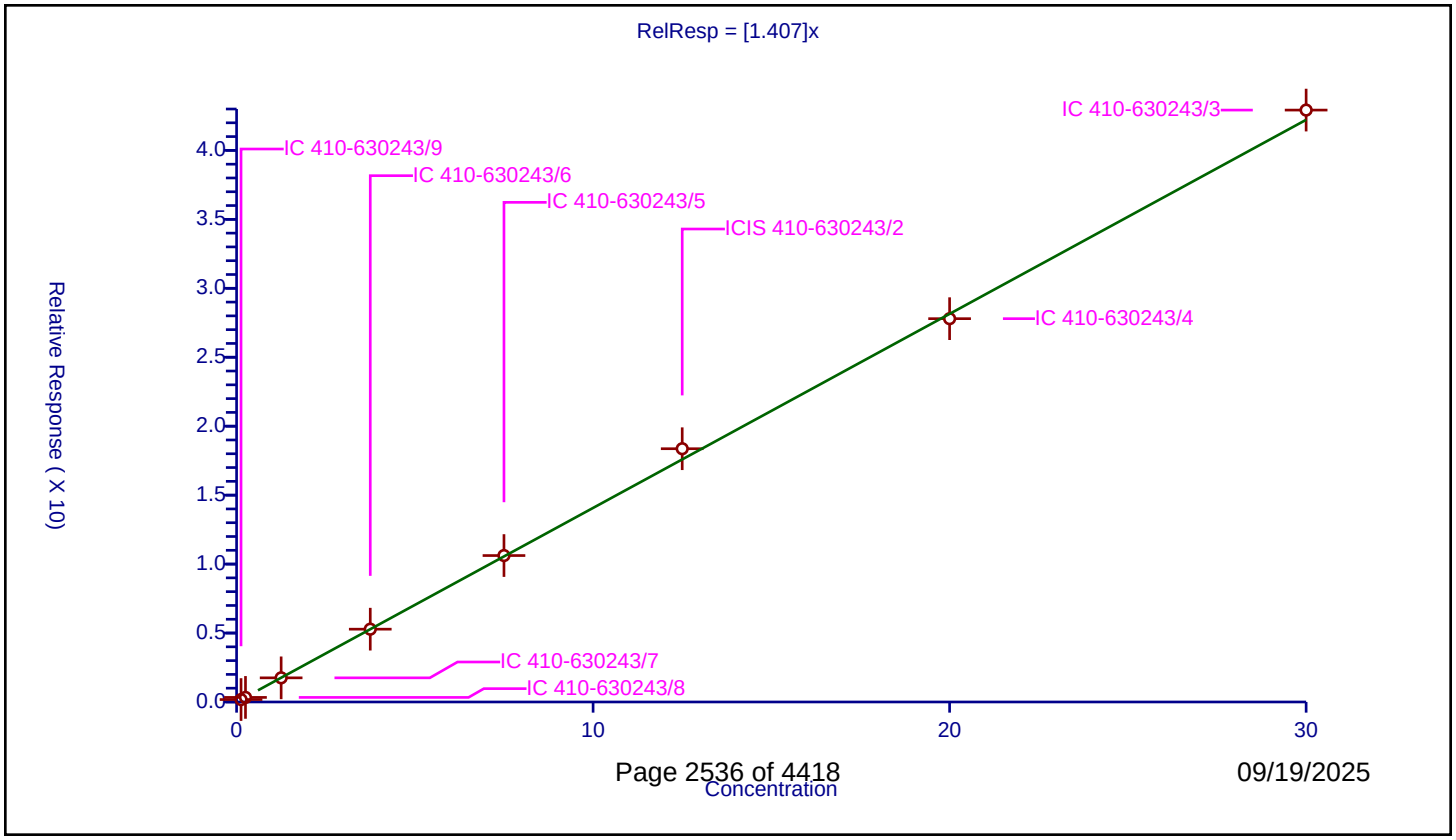
Curve Coefficients

Intercept:	0
Slope:	1.407

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.177544	5.0	496721.0	1.420355	Y
2	IC 410-630243/8	0.25	0.330786	5.0	423899.0	1.323145	Y
3	IC 410-630243/7	1.25	1.750752	5.0	415727.0	1.400602	Y
4	IC 410-630243/6	3.75	5.280049	5.0	405857.0	1.408013	Y
5	IC 410-630243/5	7.5	10.618922	5.0	411619.0	1.415856	Y
6	ICIS 410-630243/2	12.5	18.365866	5.0	398829.0	1.469269	Y
7	IC 410-630243/4	20.0	27.796108	5.0	411928.0	1.389805	Y
8	IC 410-630243/3	30.0	42.922239	5.0	398684.0	1.430741	Y



Calibration / Thionazin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

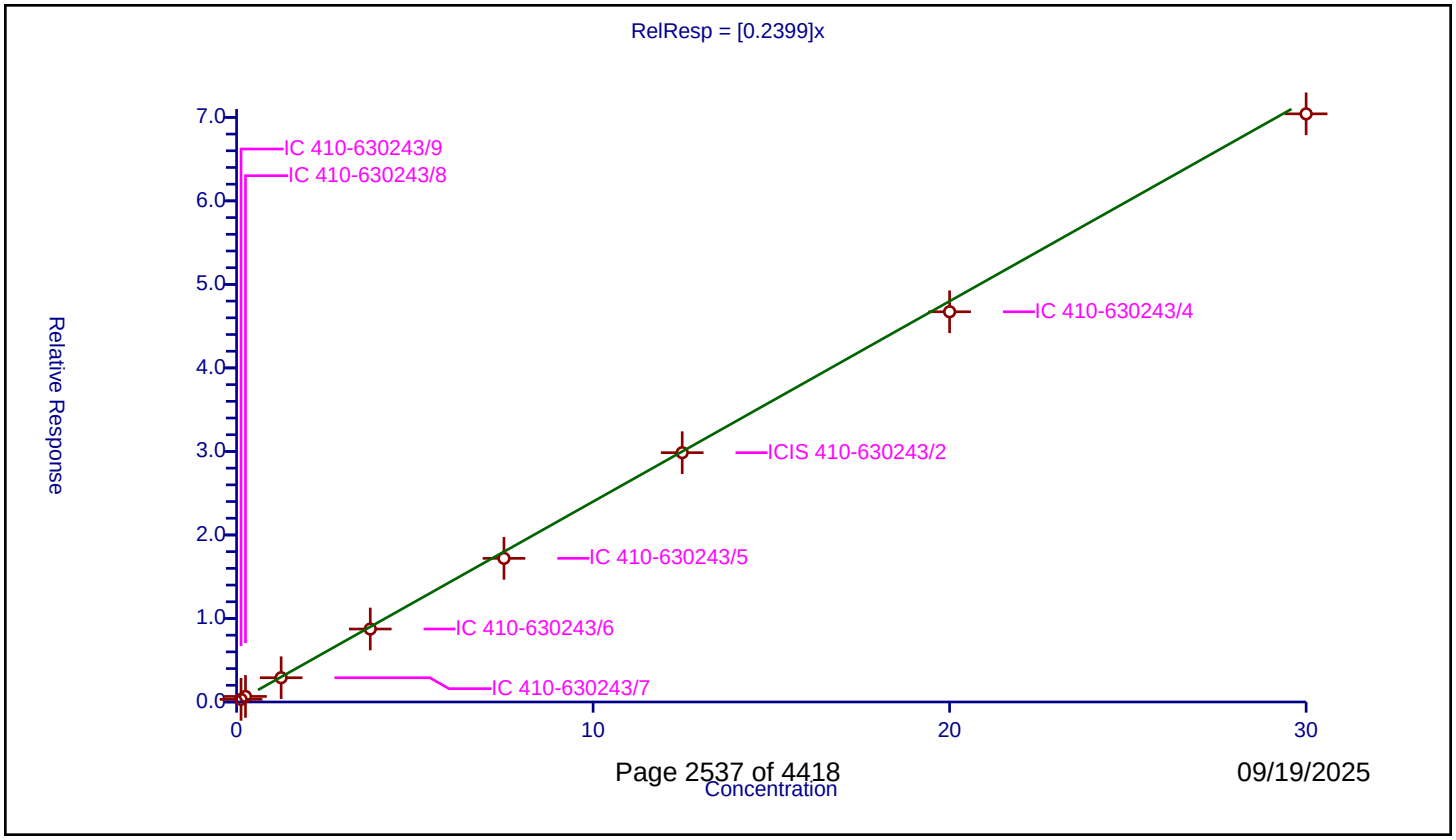
Curve Coefficients

Intercept:	0
Slope:	0.2399

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.031376	5.0	496721.0	0.251006	Y
2	IC 410-630243/8	0.25	0.066655	5.0	423899.0	0.26662	Y
3	IC 410-630243/7	1.25	0.290527	5.0	415727.0	0.232422	Y
4	IC 410-630243/6	3.75	0.873608	5.0	405857.0	0.232962	Y
5	IC 410-630243/5	7.5	1.719989	5.0	411619.0	0.229332	Y
6	ICIS 410-630243/2	12.5	2.985126	5.0	398829.0	0.23881	Y
7	IC 410-630243/4	20.0	4.672528	5.0	411928.0	0.233626	Y
8	IC 410-630243/3	30.0	7.042131	5.0	398684.0	0.234738	Y



Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

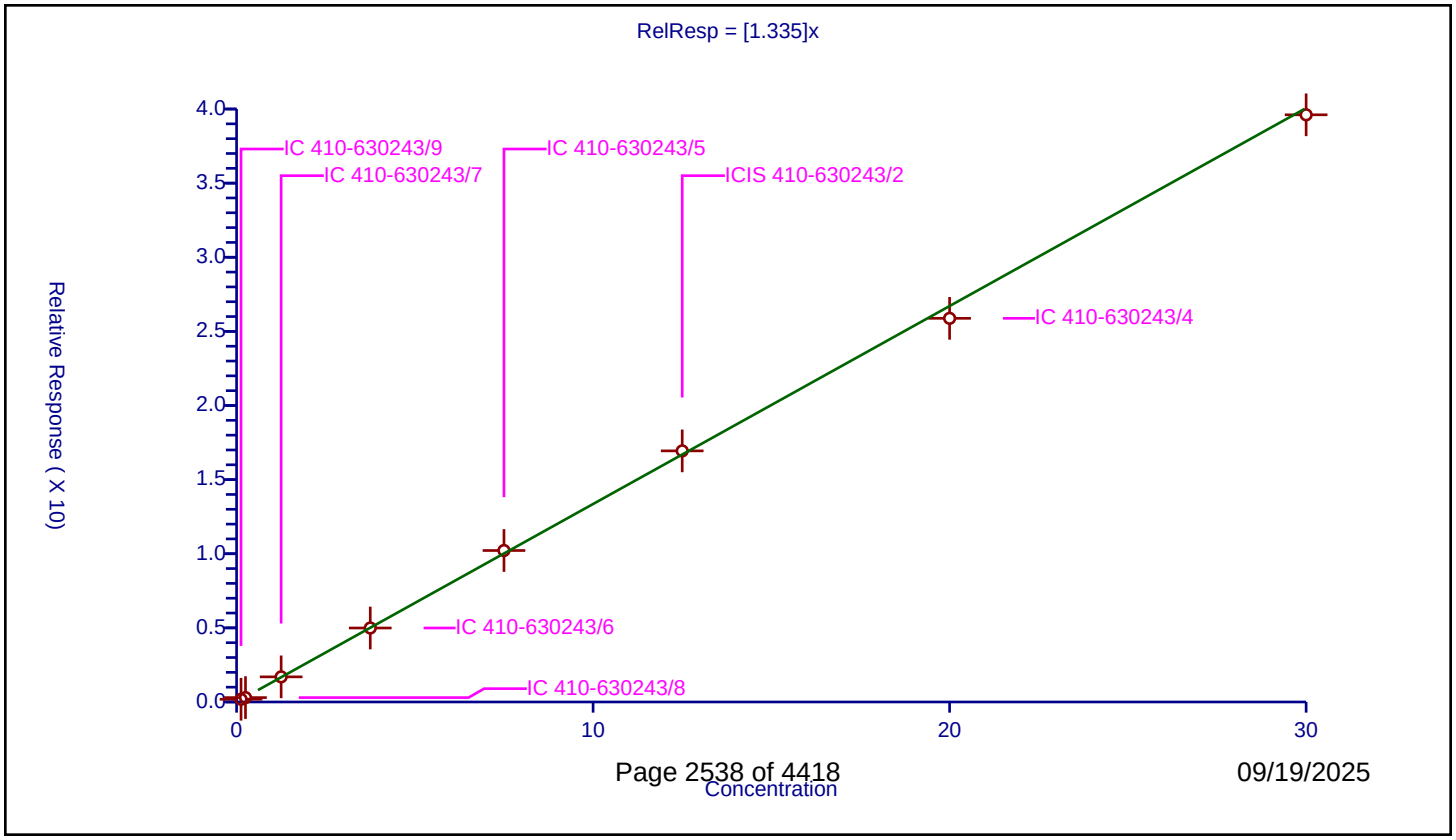
Curve Coefficients

Intercept:	0
Slope:	1.335

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.184963	5.0	496721.0	1.479704	Y
2	IC 410-630243/8	0.25	0.296356	5.0	423899.0	1.185424	Y
3	IC 410-630243/7	1.25	1.695043	5.0	415727.0	1.356034	Y
4	IC 410-630243/6	3.75	4.990033	5.0	405857.0	1.330676	Y
5	IC 410-630243/5	7.5	10.219208	5.0	411619.0	1.362561	Y
6	ICIS 410-630243/2	12.5	16.938212	5.0	398829.0	1.355057	Y
7	IC 410-630243/4	20.0	25.880785	5.0	411928.0	1.294039	Y
8	IC 410-630243/3	30.0	39.609377	5.0	398684.0	1.320313	Y



09/19/2025

Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

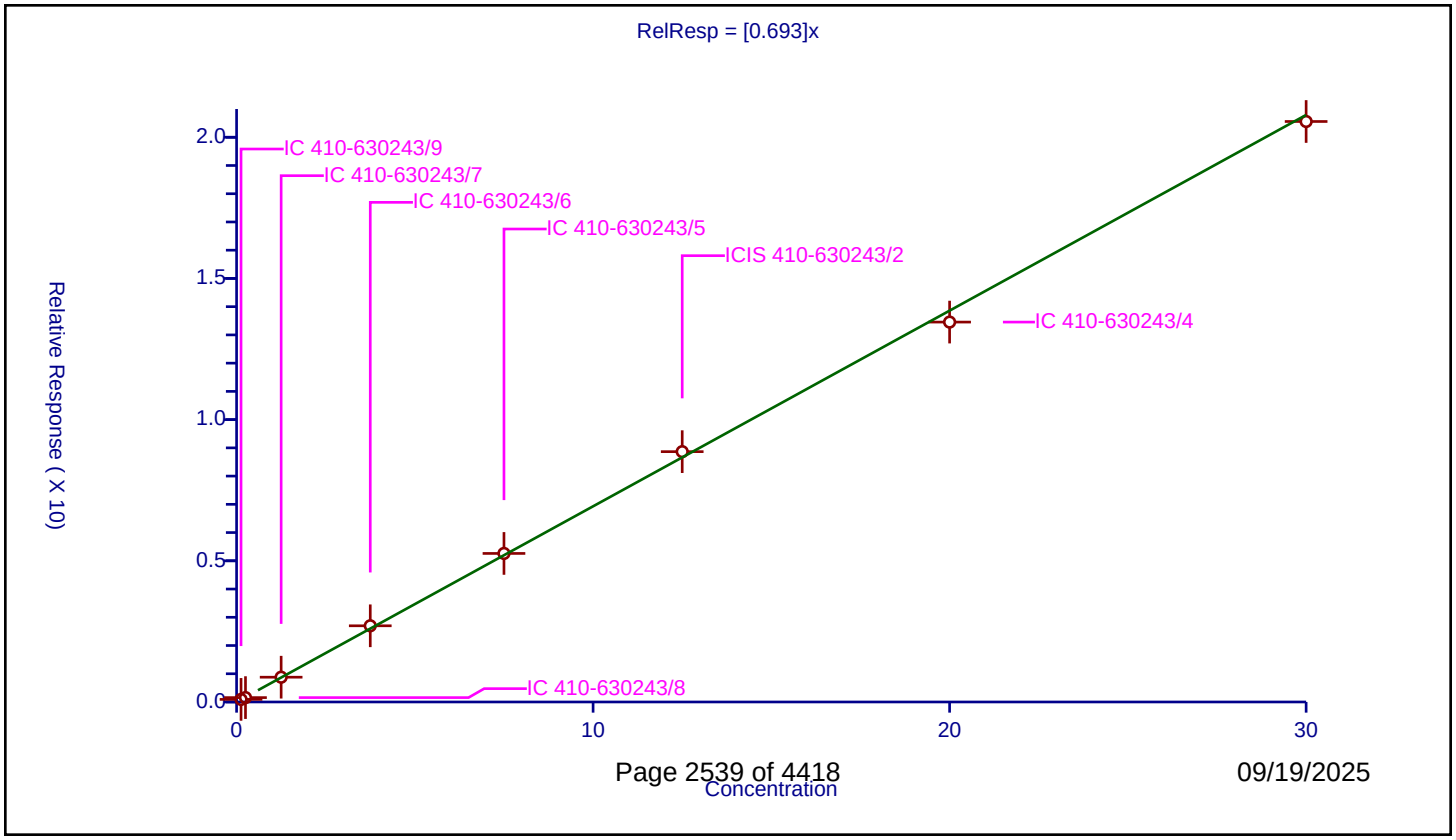
Curve Coefficients

Intercept:	0
Slope:	0.693

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.091611	5.0	496721.0	0.732886	Y
2	IC 410-630243/8	0.25	0.155108	5.0	423899.0	0.620431	Y
3	IC 410-630243/7	1.25	0.877679	5.0	415727.0	0.702143	Y
4	IC 410-630243/6	3.75	2.698857	5.0	405857.0	0.719695	Y
5	IC 410-630243/5	7.5	5.260909	5.0	411619.0	0.701455	Y
6	ICIS 410-630243/2	12.5	8.865052	5.0	398829.0	0.709204	Y
7	IC 410-630243/4	20.0	13.454342	5.0	411928.0	0.672717	Y
8	IC 410-630243/3	30.0	20.557873	5.0	398684.0	0.685262	Y



Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

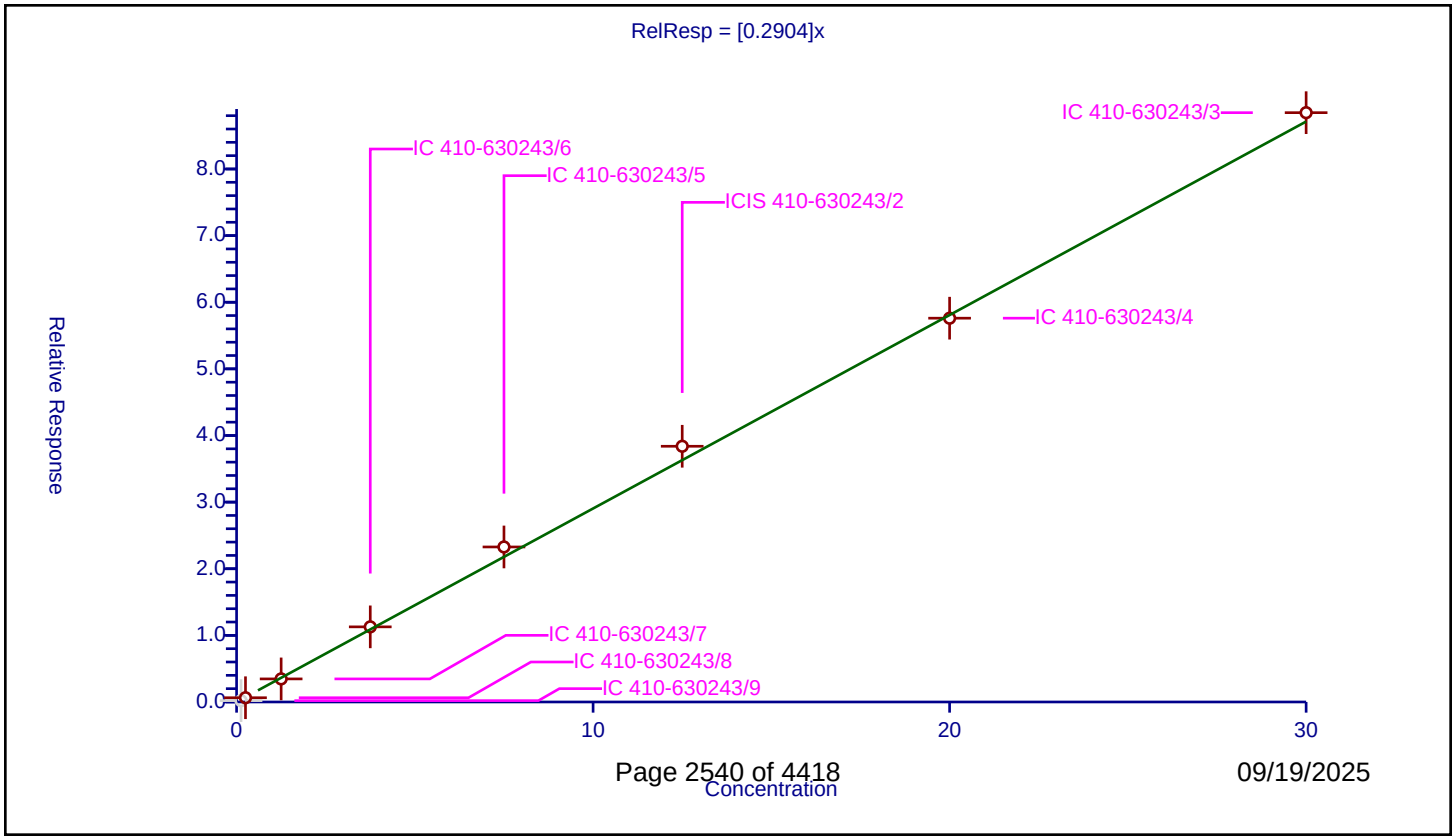
Curve Coefficients

Intercept:	0
Slope:	0.2904

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.020122	5.0	496721.0	0.160976	N
2	IC 410-630243/8	0.25	0.063694	5.0	423899.0	0.254778	Y
3	IC 410-630243/7	1.25	0.346393	5.0	415727.0	0.277115	Y
4	IC 410-630243/6	3.75	1.127663	5.0	405857.0	0.30071	Y
5	IC 410-630243/5	7.5	2.326642	5.0	411619.0	0.310219	Y
6	ICIS 410-630243/2	12.5	3.838236	5.0	398829.0	0.307059	Y
7	IC 410-630243/4	20.0	5.760303	5.0	411928.0	0.288015	Y
8	IC 410-630243/3	30.0	8.845038	5.0	398684.0	0.294835	Y



Calibration / N-Nitro-o-toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

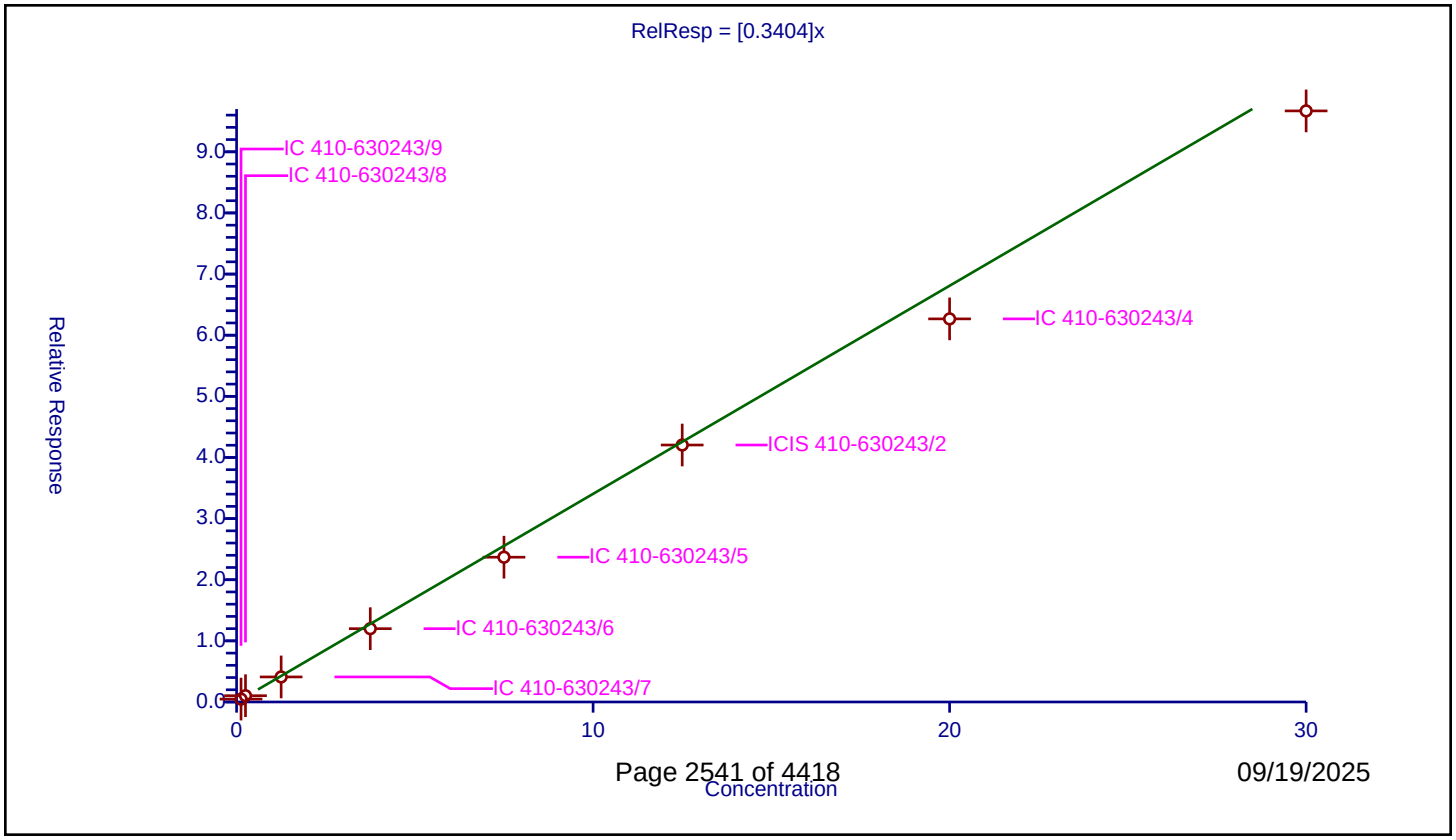
Curve Coefficients

Intercept:	0
Slope:	0.3404

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.04723	5.0	496721.0	0.377838	Y
2	IC 410-630243/8	0.25	0.102595	5.0	423899.0	0.410381	Y
3	IC 410-630243/7	1.25	0.409716	5.0	415727.0	0.327773	Y
4	IC 410-630243/6	3.75	1.199376	5.0	405857.0	0.319834	Y
5	IC 410-630243/5	7.5	2.368282	5.0	411619.0	0.315771	Y
6	ICIS 410-630243/2	12.5	4.203644	5.0	398829.0	0.336291	Y
7	IC 410-630243/4	20.0	6.266835	5.0	411928.0	0.313342	Y
8	IC 410-630243/3	30.0	9.668911	5.0	398684.0	0.322297	Y



Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

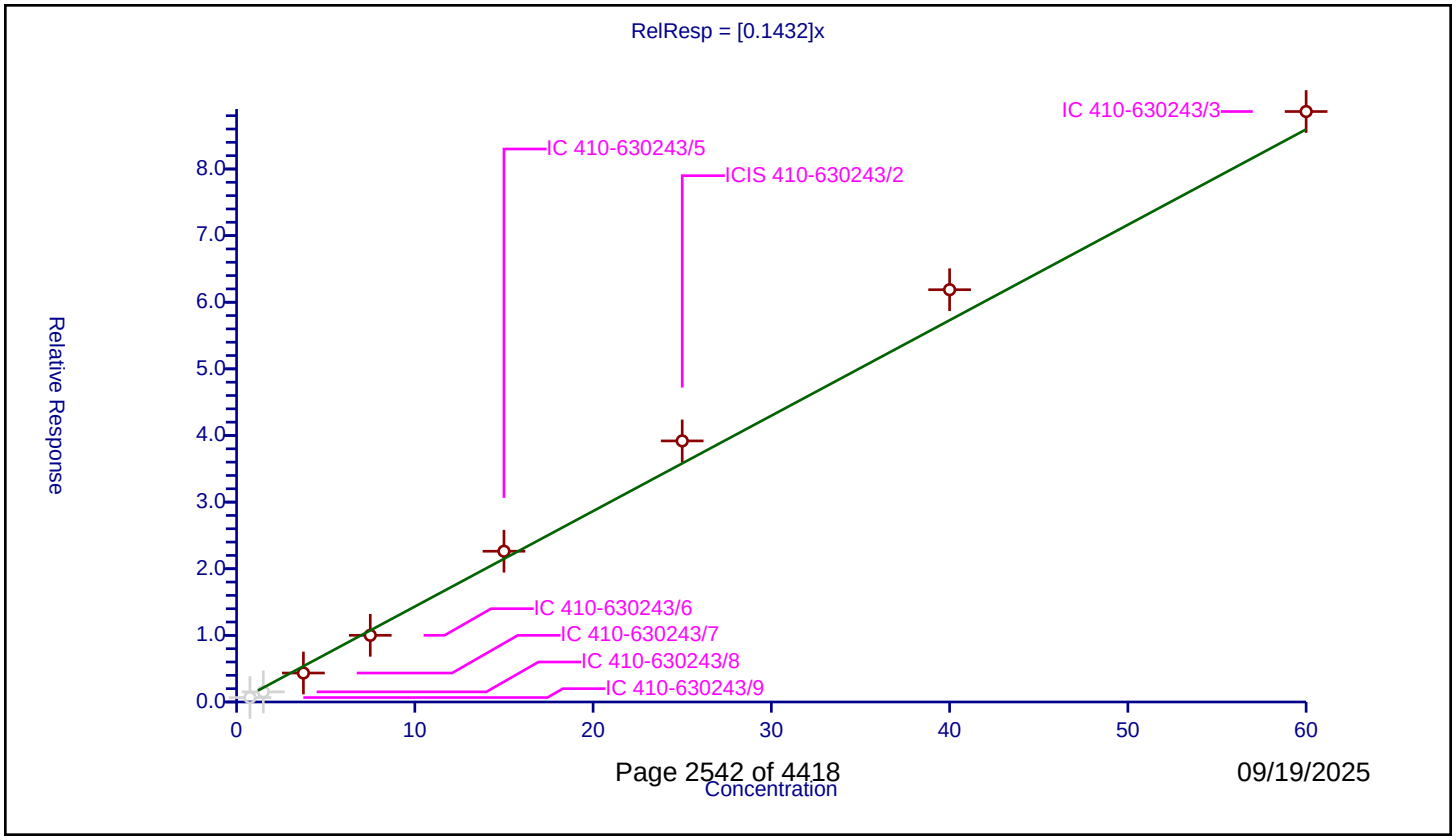
Curve Coefficients

Intercept:	0
Slope:	0.1432

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.75	0.066576	5.0	994797.0	0.088769	N
2	IC 410-630243/8	1.5	0.15213	5.0	820547.0	0.10142	N
3	IC 410-630243/7	3.75	0.434988	5.0	821585.0	0.115997	Y
4	IC 410-630243/6	7.5	1.000916	5.0	797639.0	0.133456	Y
5	IC 410-630243/5	15.0	2.262818	5.0	741288.0	0.150855	Y
6	ICIS 410-630243/2	25.0	3.918461	5.0	732664.0	0.156738	Y
7	IC 410-630243/4	40.0	6.187821	5.0	750917.0	0.154696	Y
8	IC 410-630243/3	60.0	8.862396	5.0	780302.0	0.147707	Y



Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

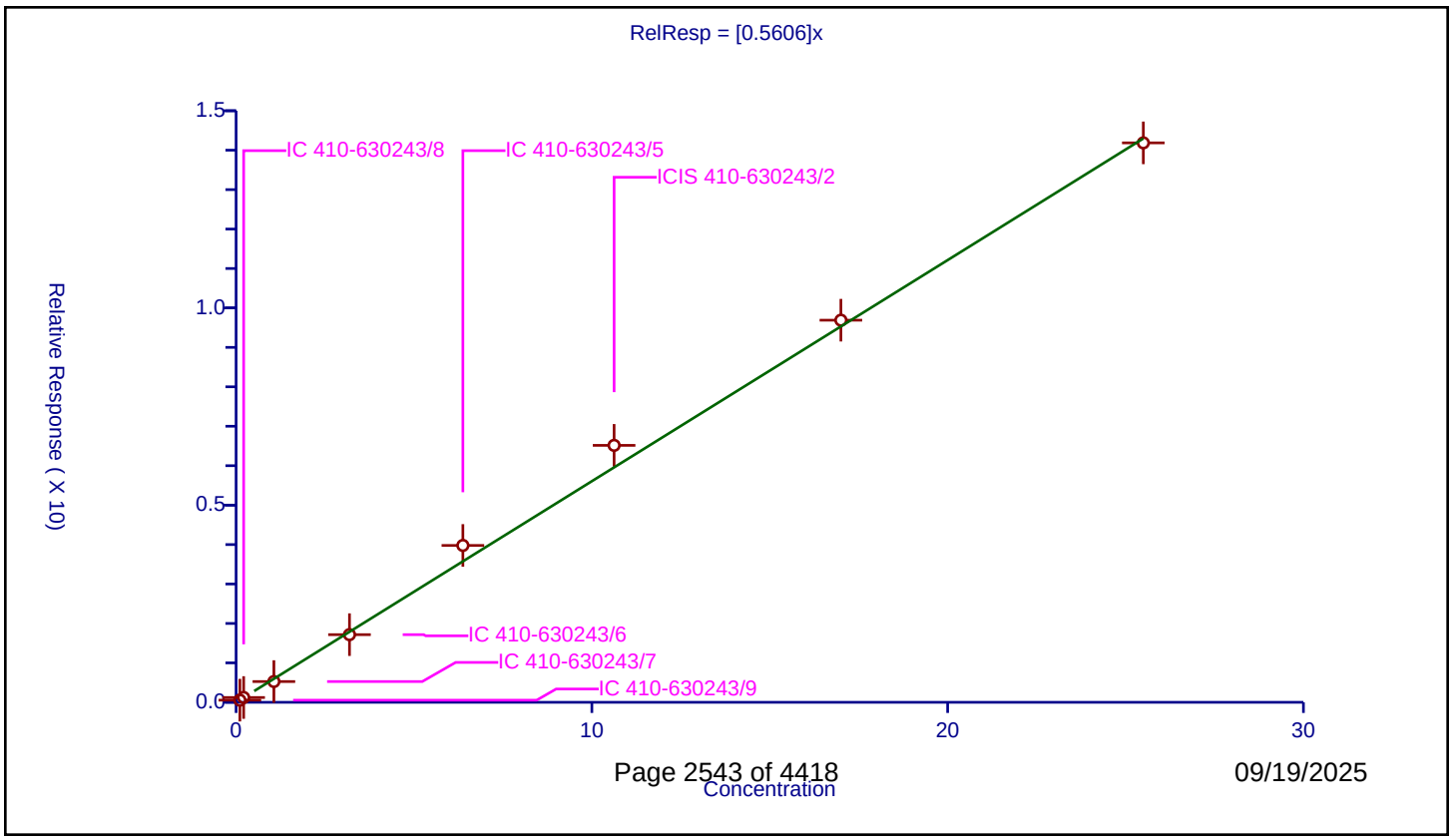
Curve Coefficients

Intercept:	0
Slope:	0.5606

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.10625	0.054519	5.0	994797.0	0.513117	Y
2	IC 410-630243/8	0.2125	0.122083	5.0	820547.0	0.574509	Y
3	IC 410-630243/7	1.0625	0.526701	5.0	821585.0	0.495719	Y
4	IC 410-630243/6	3.1875	1.715983	5.0	797639.0	0.538348	Y
5	IC 410-630243/5	6.375	3.977455	5.0	741288.0	0.623915	Y
6	ICIS 410-630243/2	10.625	6.515367	5.0	732664.0	0.613211	Y
7	IC 410-630243/4	17.0	9.688954	5.0	750917.0	0.569938	Y
8	IC 410-630243/3	25.5	14.186123	5.0	780302.0	0.556319	Y



Calibration / 1,2-Diphenylhydrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

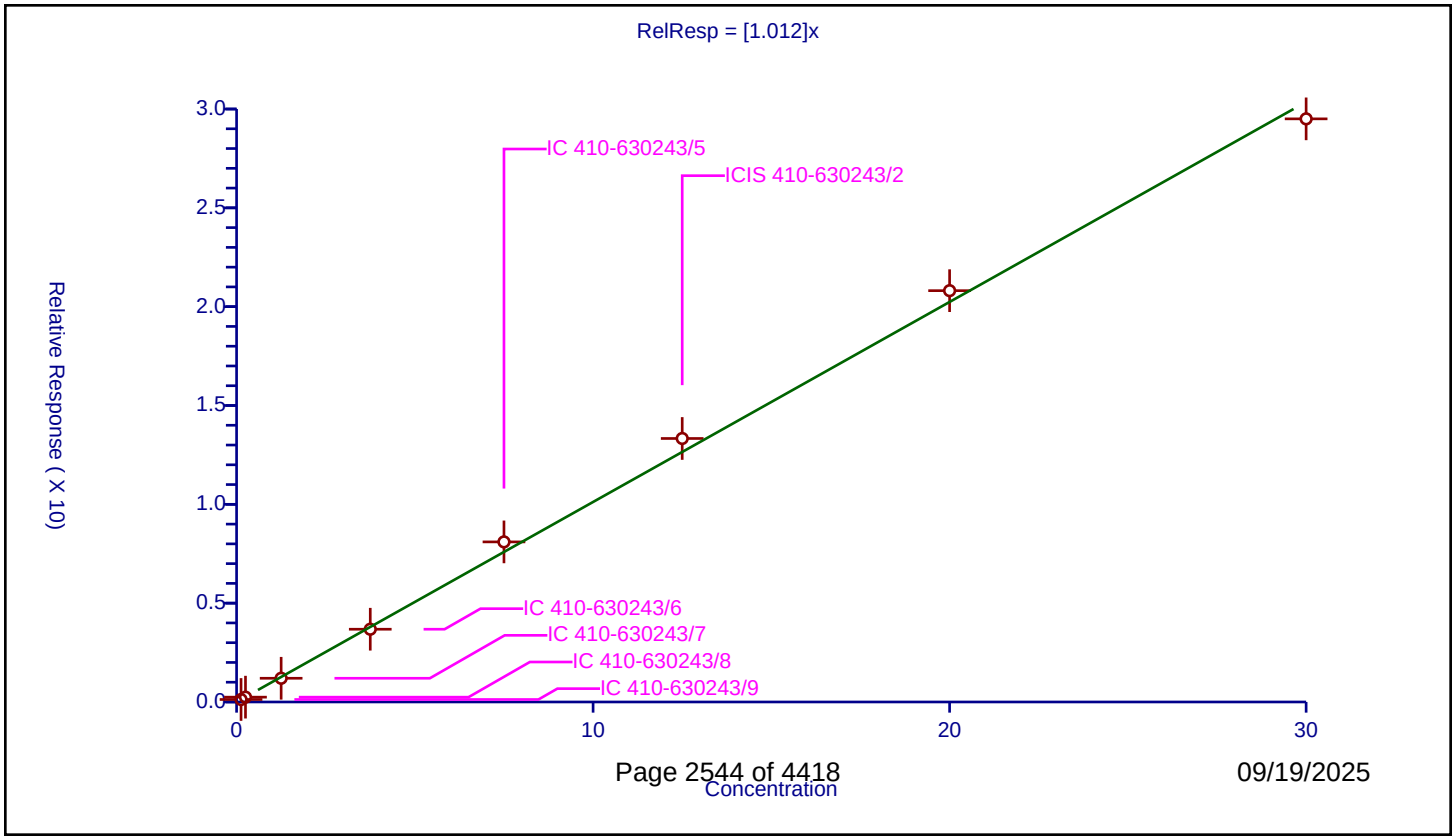
Curve Coefficients

Intercept:	0
Slope:	1.012

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.125598	5.0	994797.0	1.004788	Y
2	IC 410-630243/8	0.25	0.244697	5.0	820547.0	0.978786	Y
3	IC 410-630243/7	1.25	1.199888	5.0	821585.0	0.95991	Y
4	IC 410-630243/6	3.75	3.680663	5.0	797639.0	0.98151	Y
5	IC 410-630243/5	7.5	8.099848	5.0	741288.0	1.07998	Y
6	ICIS 410-630243/2	12.5	13.331923	5.0	732664.0	1.066554	Y
7	IC 410-630243/4	20.0	20.809537	5.0	750917.0	1.040477	Y
8	IC 410-630243/3	30.0	29.501872	5.0	780302.0	0.983396	Y



Calibration / 2,4,6-Tribromophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

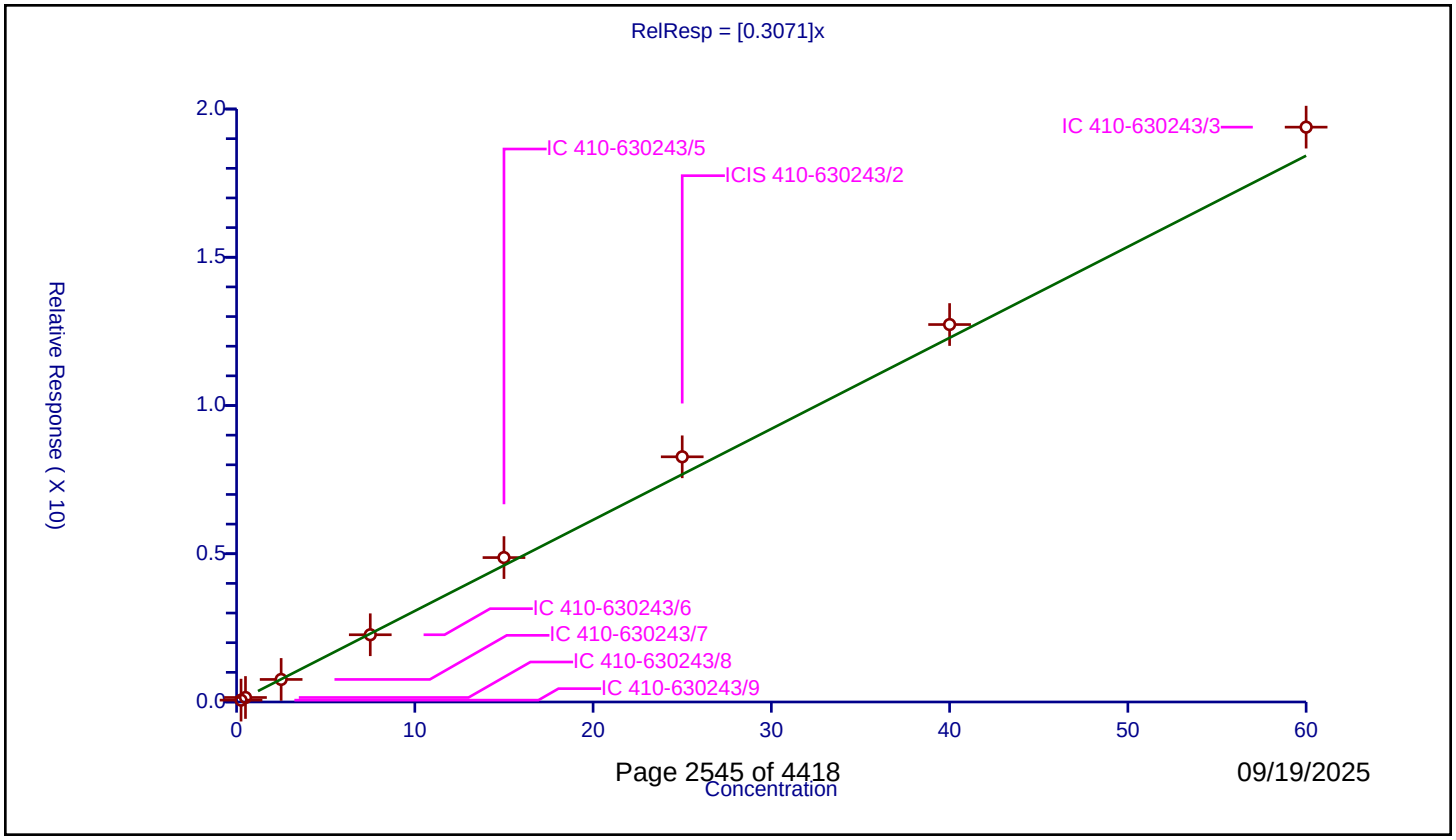
Curve Coefficients

Intercept:	0
Slope:	0.3071

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.25	0.062681	5.0	496721.0	0.250724	Y
2	IC 410-630243/8	0.5	0.151321	5.0	423899.0	0.302643	Y
3	IC 410-630243/7	2.5	0.760078	5.0	415727.0	0.304031	Y
4	IC 410-630243/6	7.5	2.267449	5.0	405857.0	0.302327	Y
5	IC 410-630243/5	15.0	4.870985	5.0	411619.0	0.324732	Y
6	ICIS 410-630243/2	25.0	8.269484	5.0	398829.0	0.330779	Y
7	IC 410-630243/4	40.0	12.730611	5.0	411928.0	0.318265	Y
8	IC 410-630243/3	60.0	19.388513	5.0	398684.0	0.323142	Y



09/19/2025

Calibration / Sulfotepp

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

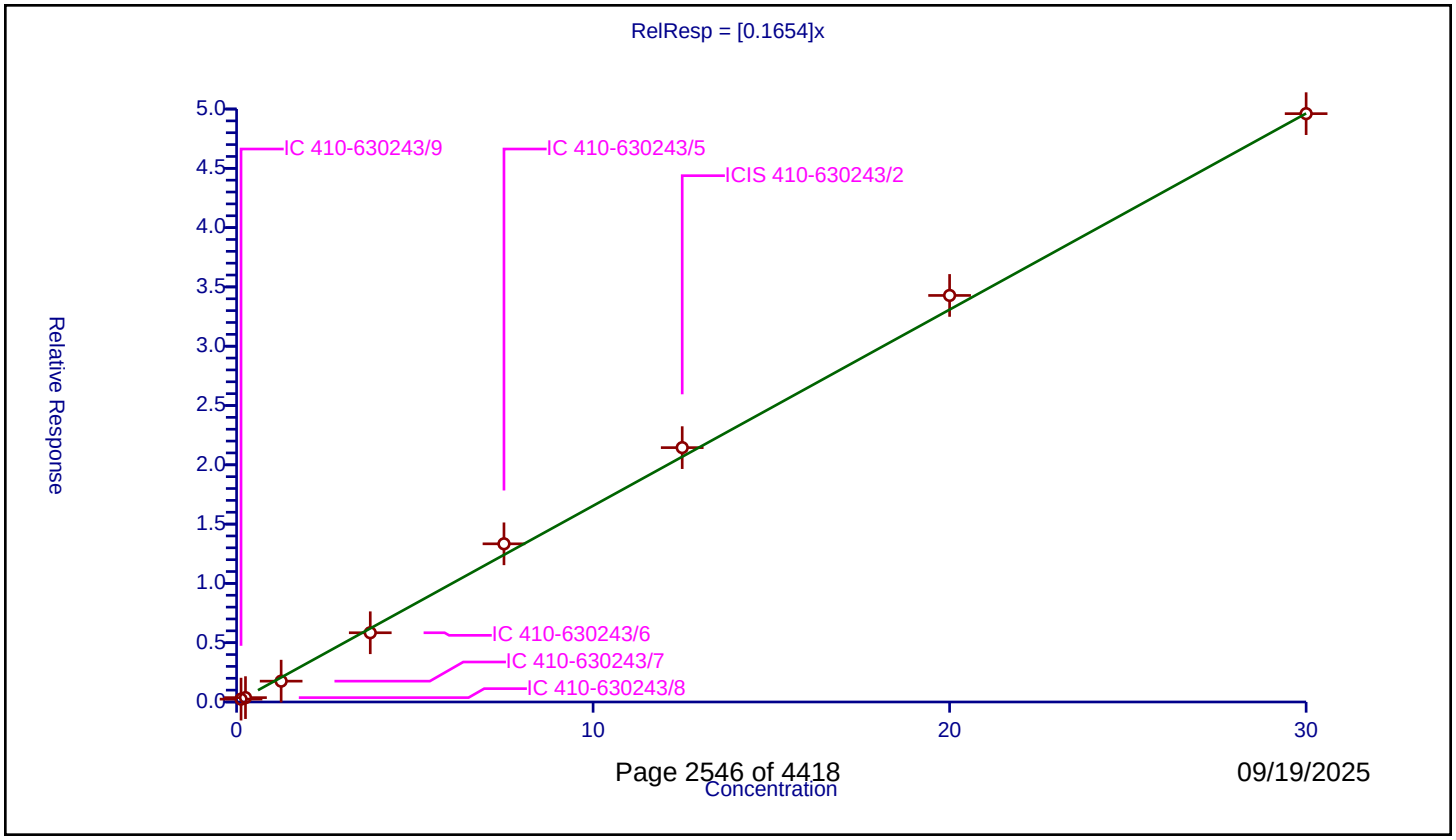
Curve Coefficients

Intercept:	0
Slope:	0.1654

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.024276	5.0	994797.0	0.19421	Y
2	IC 410-630243/8	0.25	0.036719	5.0	820547.0	0.146878	Y
3	IC 410-630243/7	1.25	0.17566	5.0	821585.0	0.140528	Y
4	IC 410-630243/6	3.75	0.583779	5.0	797639.0	0.155674	Y
5	IC 410-630243/5	7.5	1.333672	5.0	741288.0	0.177823	Y
6	ICIS 410-630243/2	12.5	2.144708	5.0	732664.0	0.171577	Y
7	IC 410-630243/4	20.0	3.428055	5.0	750917.0	0.171403	Y
8	IC 410-630243/3	30.0	4.960977	5.0	780302.0	0.165366	Y



Calibration / 1,3,5-Trinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

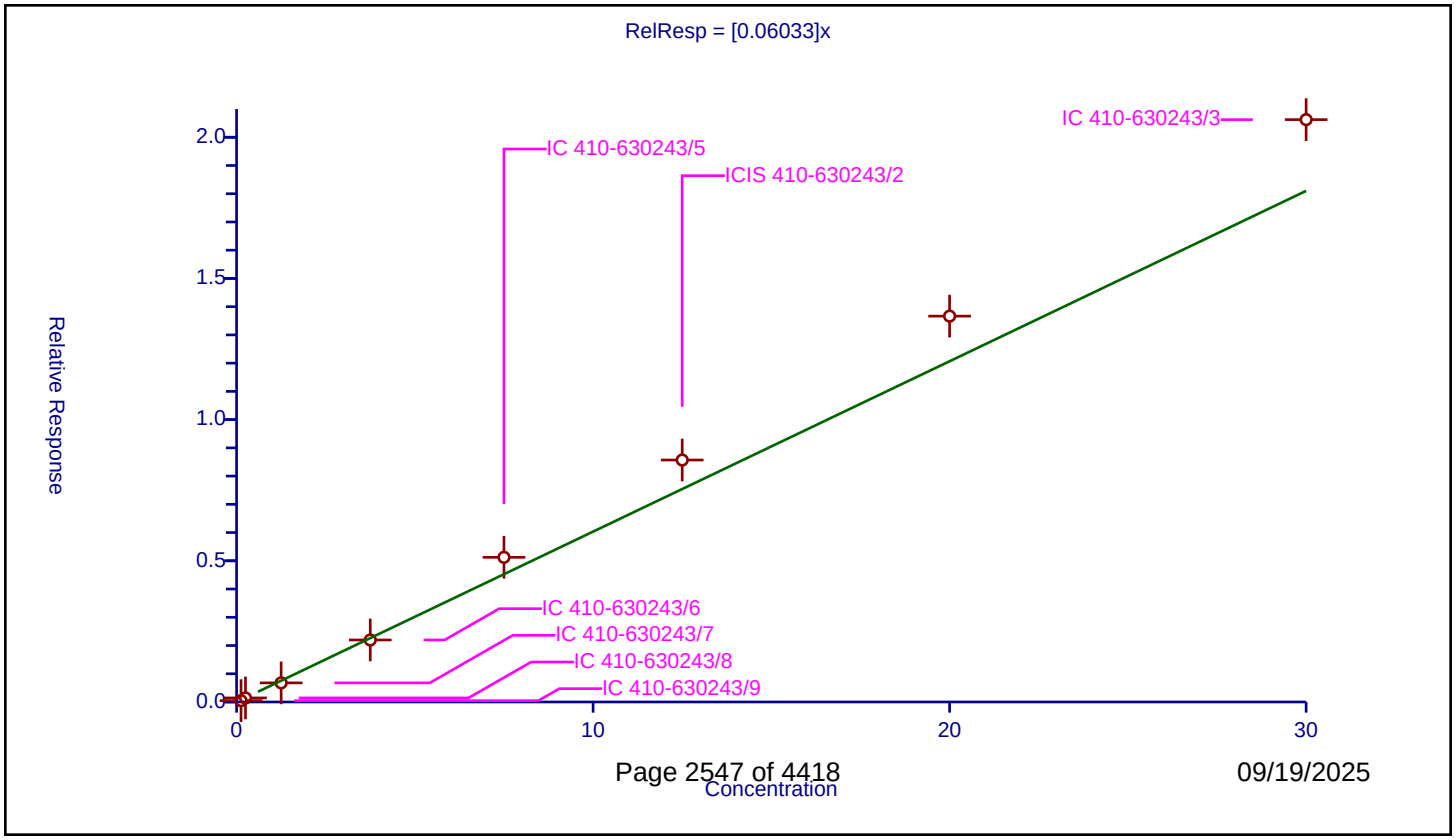
Curve Coefficients

Intercept:	0
Slope:	0.06033

Error Coefficients

Relative Standard Deviation:	17.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.004815	5.0	994797.0	0.03852	Y
2	IC 410-630243/8	0.25	0.014375	5.0	820547.0	0.057498	Y
3	IC 410-630243/7	1.25	0.067692	5.0	821585.0	0.054154	Y
4	IC 410-630243/6	3.75	0.219655	5.0	797639.0	0.058575	Y
5	IC 410-630243/5	7.5	0.512291	5.0	741288.0	0.068305	Y
6	ICIS 410-630243/2	12.5	0.856928	5.0	732664.0	0.068554	Y
7	IC 410-630243/4	20.0	1.366463	5.0	750917.0	0.068323	Y
8	IC 410-630243/3	30.0	2.062368	5.0	780302.0	0.068746	Y



Calibration / cis-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

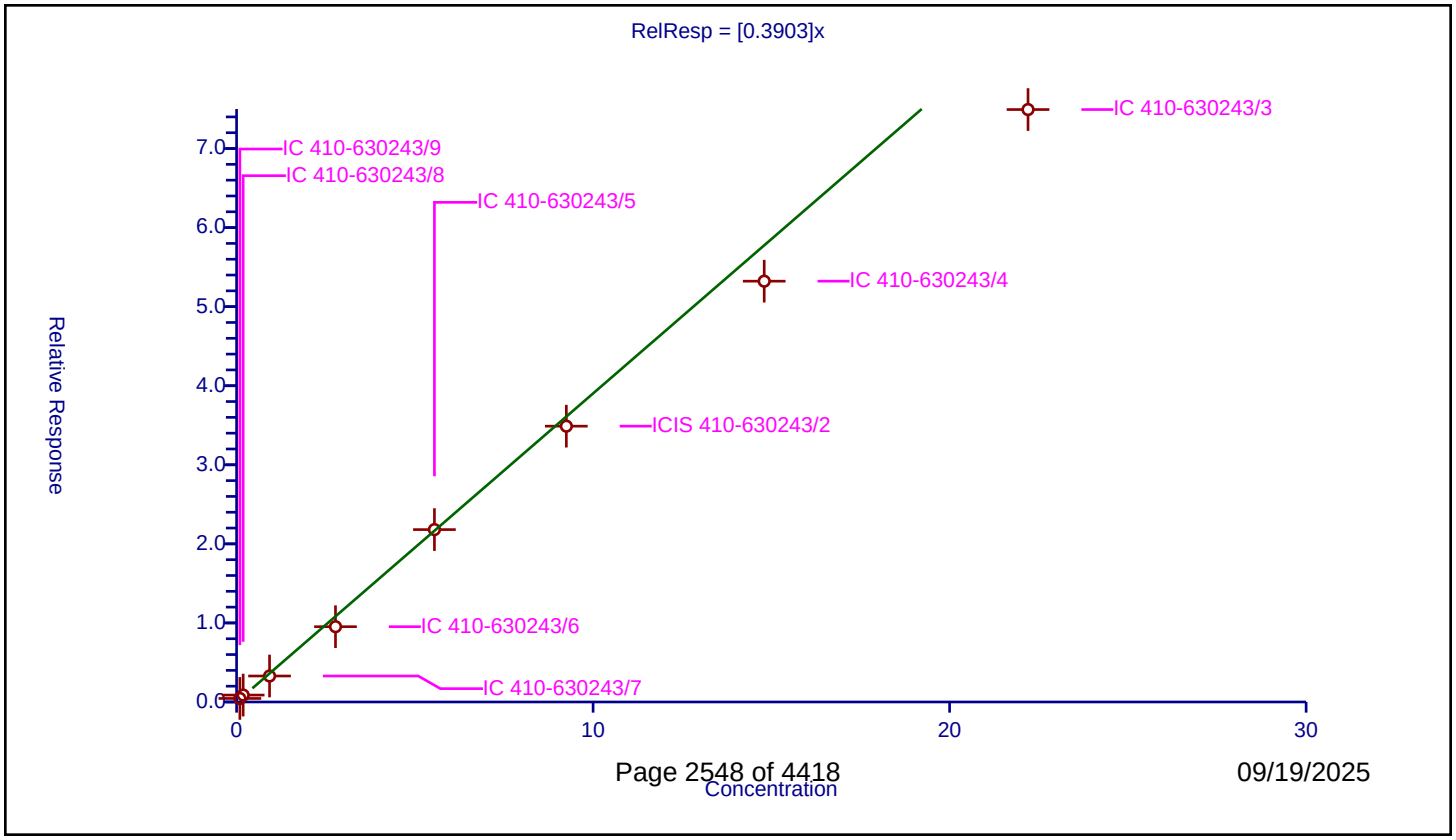
Curve Coefficients

Intercept:	0
Slope:	0.3903

Error Coefficients

Relative Standard Deviation:	14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.0925	0.044667	5.0	994797.0	0.482891	Y
2	IC 410-630243/8	0.185	0.087594	5.0	820547.0	0.473481	Y
3	IC 410-630243/7	0.925	0.328651	5.0	821585.0	0.355299	Y
4	IC 410-630243/6	2.775	0.952329	5.0	797639.0	0.343182	Y
5	IC 410-630243/5	5.55	2.180455	5.0	741288.0	0.392875	Y
6	ICIS 410-630243/2	9.25	3.488803	5.0	732664.0	0.377168	Y
7	IC 410-630243/4	14.8	5.322459	5.0	750917.0	0.359626	Y
8	IC 410-630243/3	22.2	7.493214	5.0	780302.0	0.337532	Y



Calibration / Phorate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

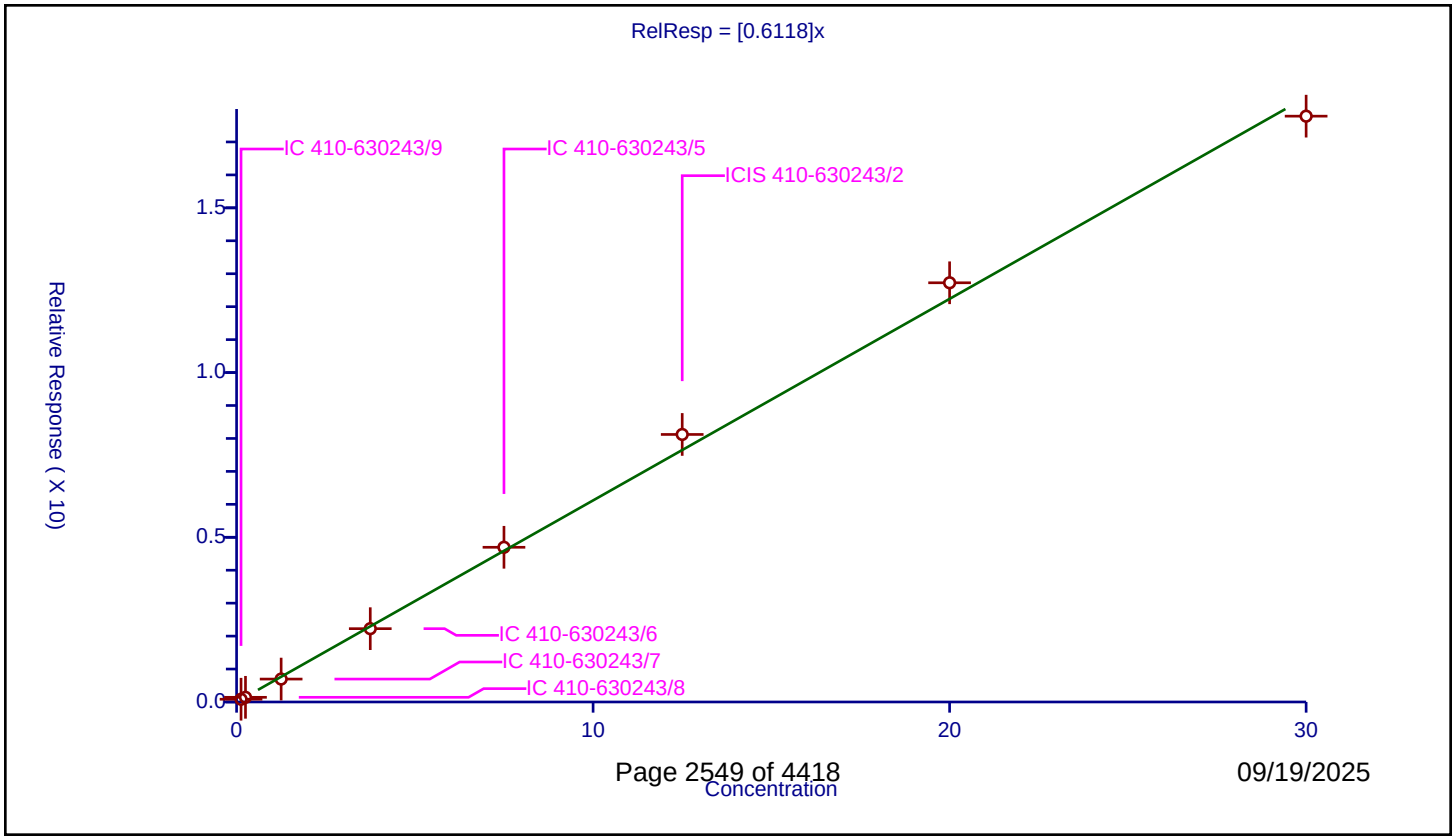
Curve Coefficients

Intercept:	0
Slope:	0.6118

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.084037	5.0	994797.0	0.672298	Y
2	IC 410-630243/8	0.25	0.141796	5.0	820547.0	0.567183	Y
3	IC 410-630243/7	1.25	0.695954	5.0	821585.0	0.556763	Y
4	IC 410-630243/6	3.75	2.225982	5.0	797639.0	0.593595	Y
5	IC 410-630243/5	7.5	4.69607	5.0	741288.0	0.626143	Y
6	ICIS 410-630243/2	12.5	8.121431	5.0	732664.0	0.649714	Y
7	IC 410-630243/4	20.0	12.725514	5.0	750917.0	0.636276	Y
8	IC 410-630243/3	30.0	17.783192	5.0	780302.0	0.592773	Y



Calibration / Phenacetin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

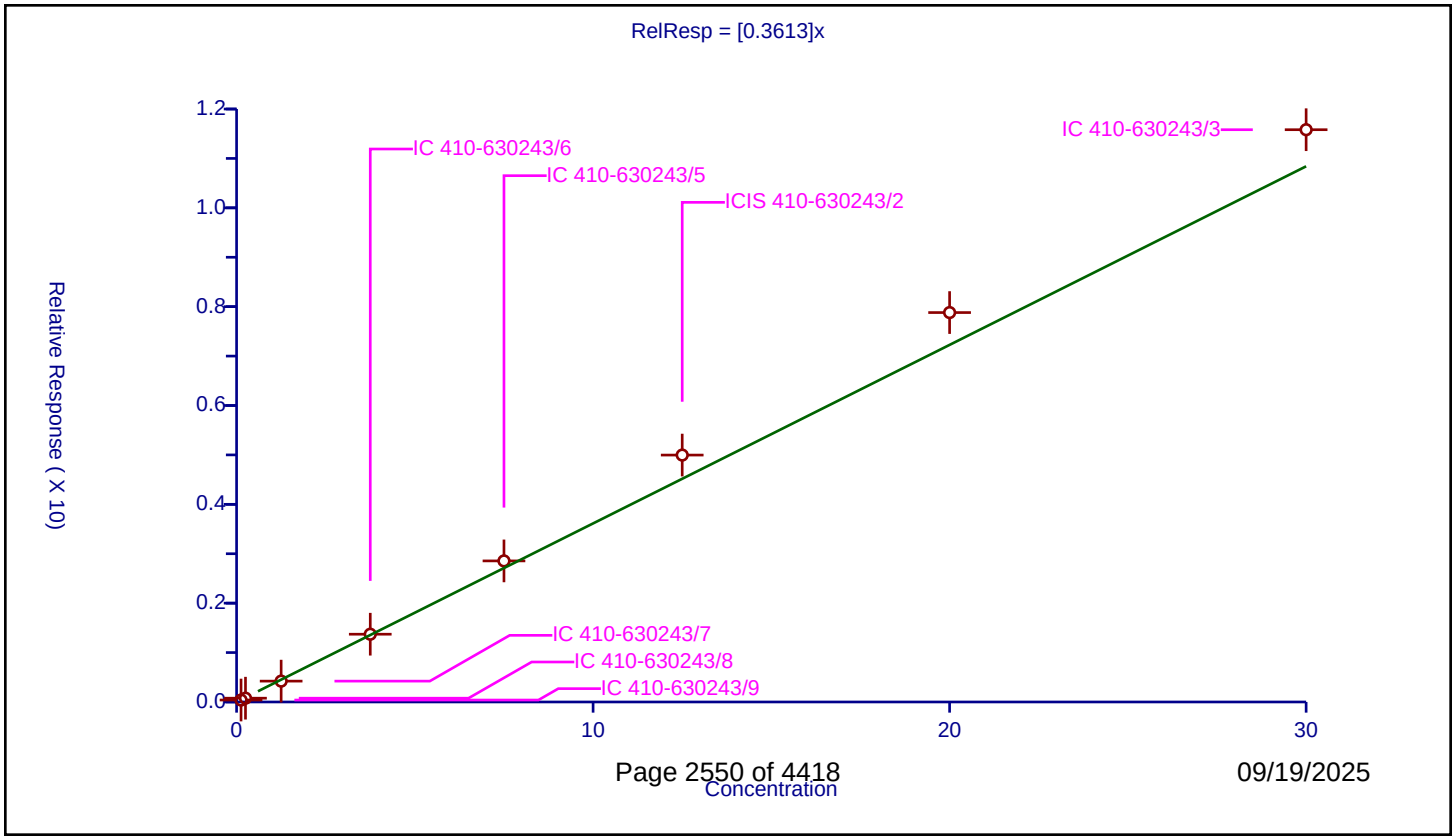
Curve Coefficients

Intercept:	0
Slope:	0.3613

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.039777	5.0	994797.0	0.318216	Y
2	IC 410-630243/8	0.25	0.077125	5.0	820547.0	0.308502	Y
3	IC 410-630243/7	1.25	0.422251	5.0	821585.0	0.337801	Y
4	IC 410-630243/6	3.75	1.371548	5.0	797639.0	0.365746	Y
5	IC 410-630243/5	7.5	2.854876	5.0	741288.0	0.38065	Y
6	ICIS 410-630243/2	12.5	4.996799	5.0	732664.0	0.399744	Y
7	IC 410-630243/4	20.0	7.880645	5.0	750917.0	0.394032	Y
8	IC 410-630243/3	30.0	11.581471	5.0	780302.0	0.386049	Y



09/19/2025

Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

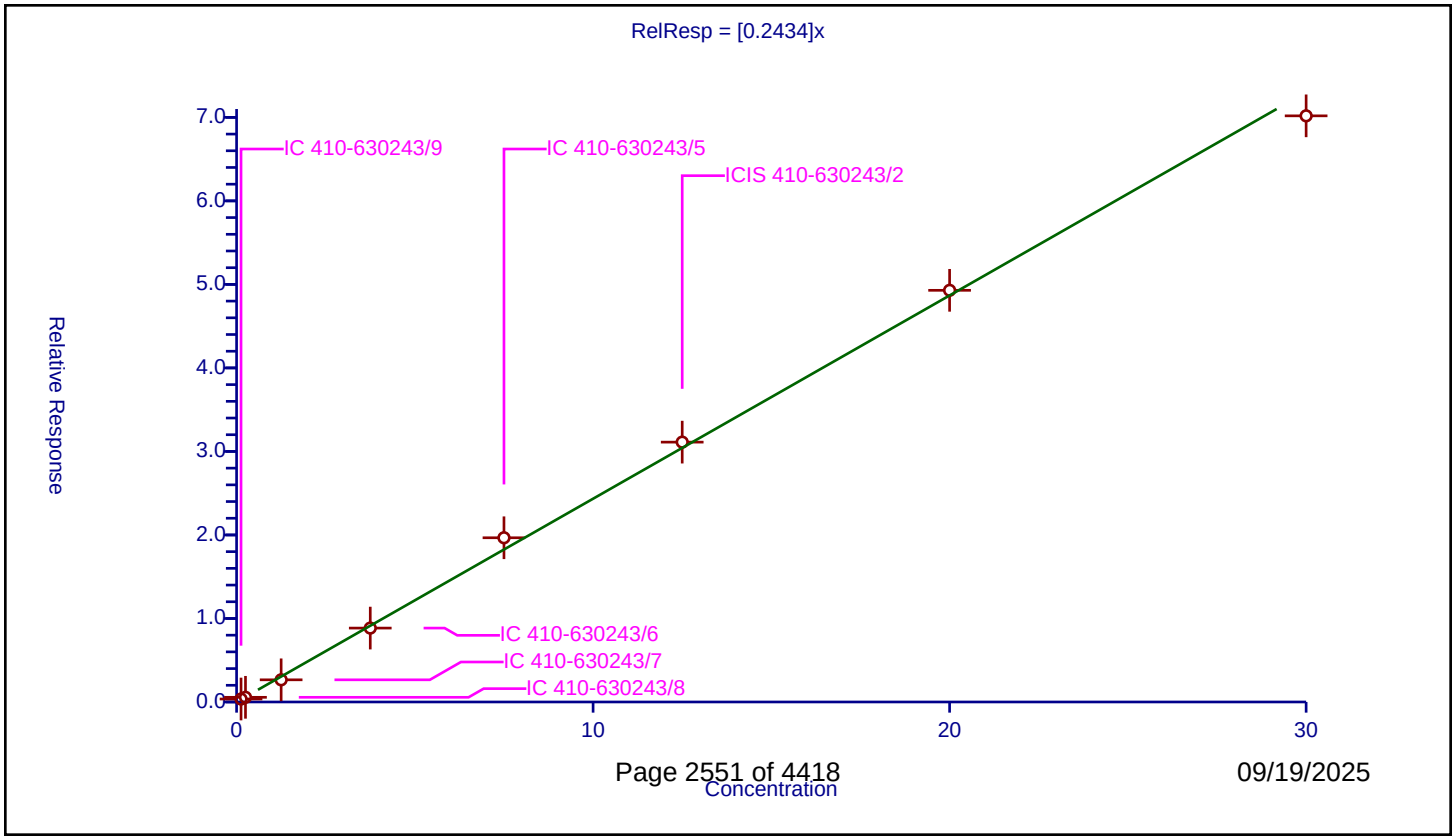
Curve Coefficients

Intercept:	0
Slope:	0.2434

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.035444	5.0	994797.0	0.283555	Y
2	IC 410-630243/8	0.25	0.055902	5.0	820547.0	0.223607	Y
3	IC 410-630243/7	1.25	0.265432	5.0	821585.0	0.212346	Y
4	IC 410-630243/6	3.75	0.88493	5.0	797639.0	0.235981	Y
5	IC 410-630243/5	7.5	1.966395	5.0	741288.0	0.262186	Y
6	ICIS 410-630243/2	12.5	3.111385	5.0	732664.0	0.248911	Y
7	IC 410-630243/4	20.0	4.929153	5.0	750917.0	0.246458	Y
8	IC 410-630243/3	30.0	7.018379	5.0	780302.0	0.233946	Y



Calibration / trans-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

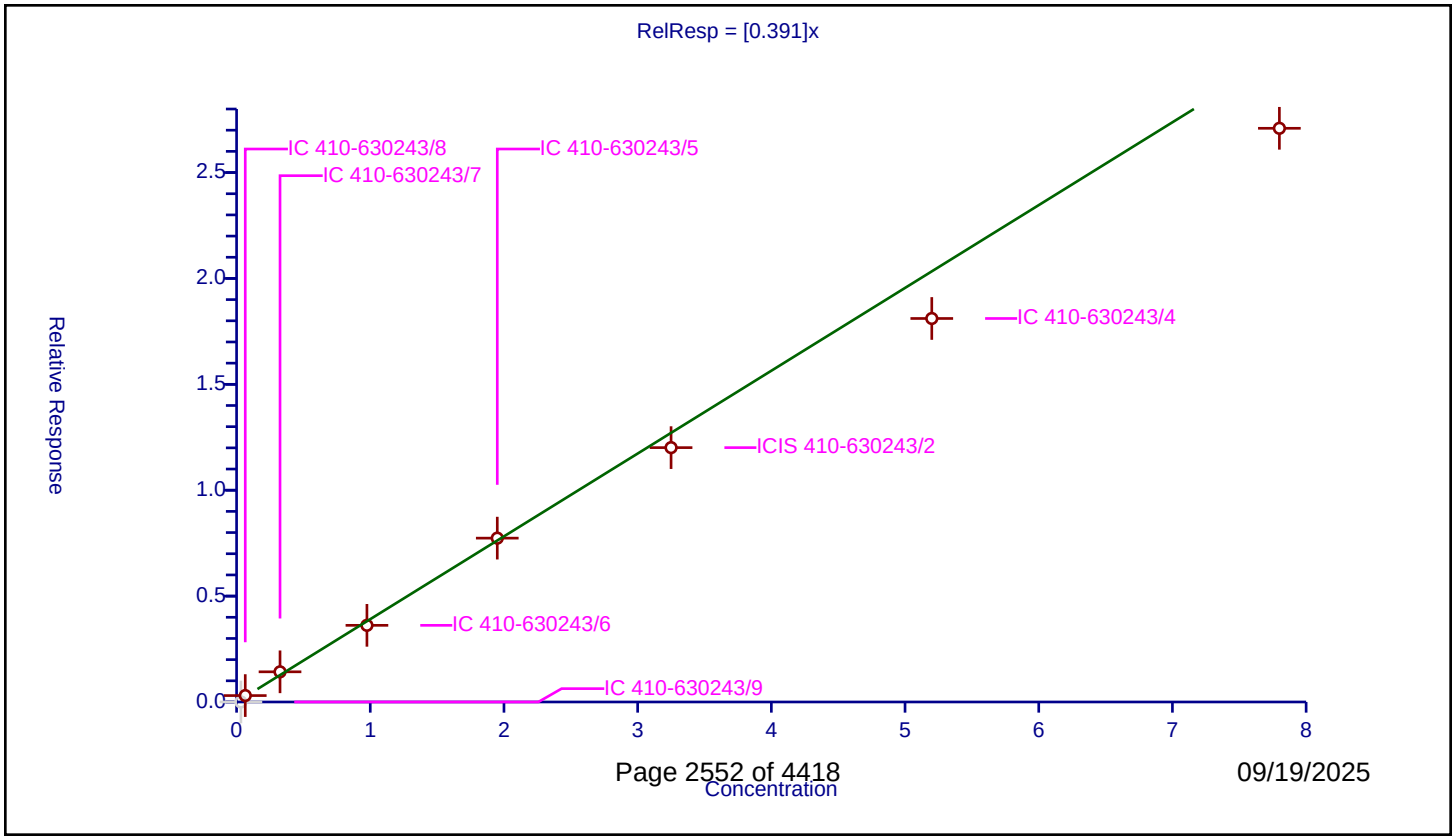
Curve Coefficients

Intercept:	0
Slope:	0.391

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.0325	0.0	5.0	994797.0	0.0	N
2	IC 410-630243/8	0.065	0.030285	5.0	820547.0	0.465918	Y
3	IC 410-630243/7	0.325	0.142414	5.0	821585.0	0.438196	Y
4	IC 410-630243/6	0.975	0.361937	5.0	797639.0	0.371217	Y
5	IC 410-630243/5	1.95	0.773647	5.0	741288.0	0.396742	Y
6	ICIS 410-630243/2	3.25	1.20113	5.0	732664.0	0.369579	Y
7	IC 410-630243/4	5.2	1.810959	5.0	750917.0	0.348261	Y
8	IC 410-630243/3	7.8	2.70899	5.0	780302.0	0.347306	Y



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

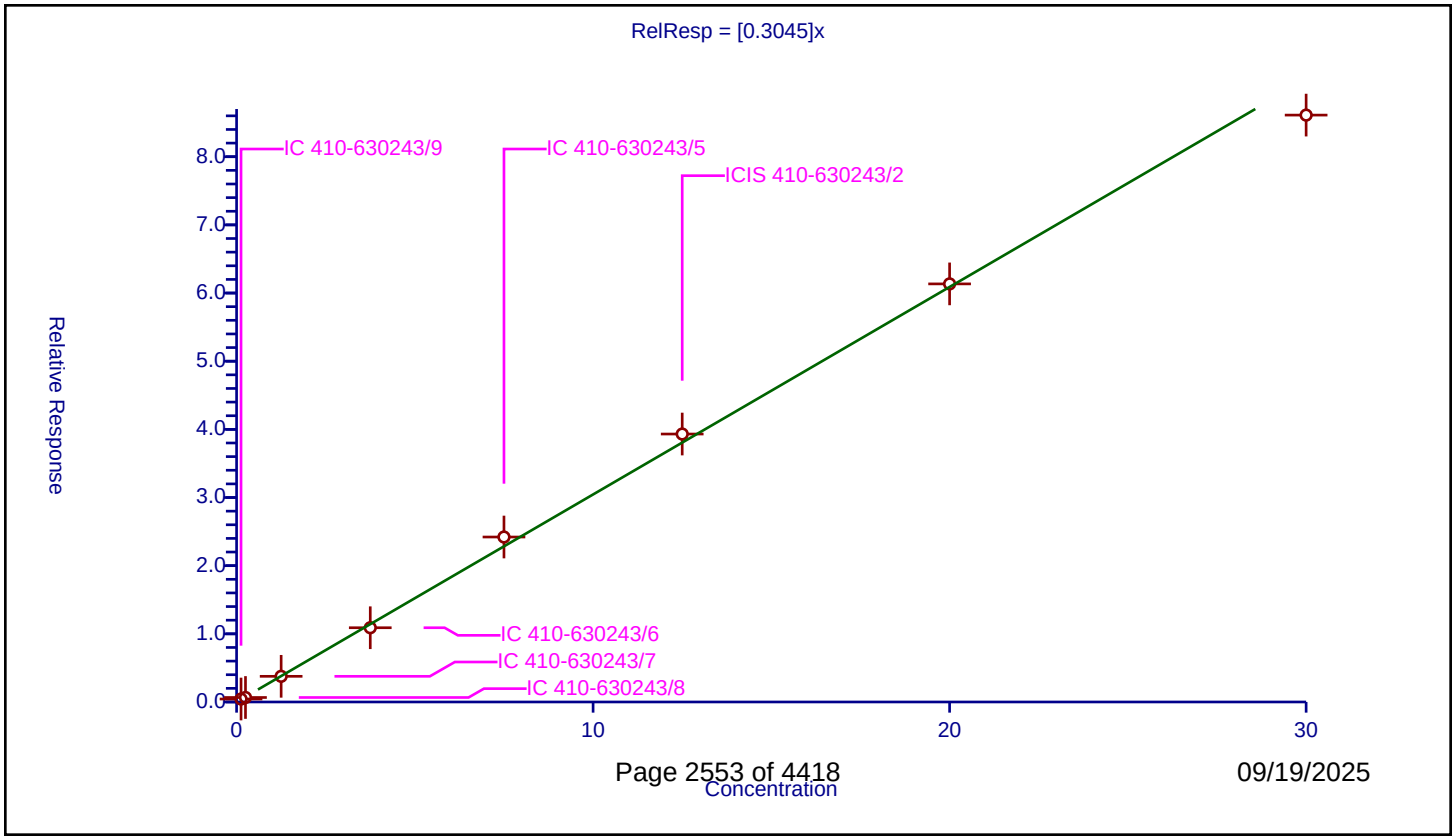
Curve Coefficients

Intercept:	0
Slope:	0.3045

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.043557	5.0	994797.0	0.348453	Y
2	IC 410-630243/8	0.25	0.066084	5.0	820547.0	0.264336	Y
3	IC 410-630243/7	1.25	0.376741	5.0	821585.0	0.301393	Y
4	IC 410-630243/6	3.75	1.089522	5.0	797639.0	0.290539	Y
5	IC 410-630243/5	7.5	2.420362	5.0	741288.0	0.322715	Y
6	ICIS 410-630243/2	12.5	3.931639	5.0	732664.0	0.314531	Y
7	IC 410-630243/4	20.0	6.134346	5.0	750917.0	0.306717	Y
8	IC 410-630243/3	30.0	8.610749	5.0	780302.0	0.287025	Y



Calibration / Dimethoate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

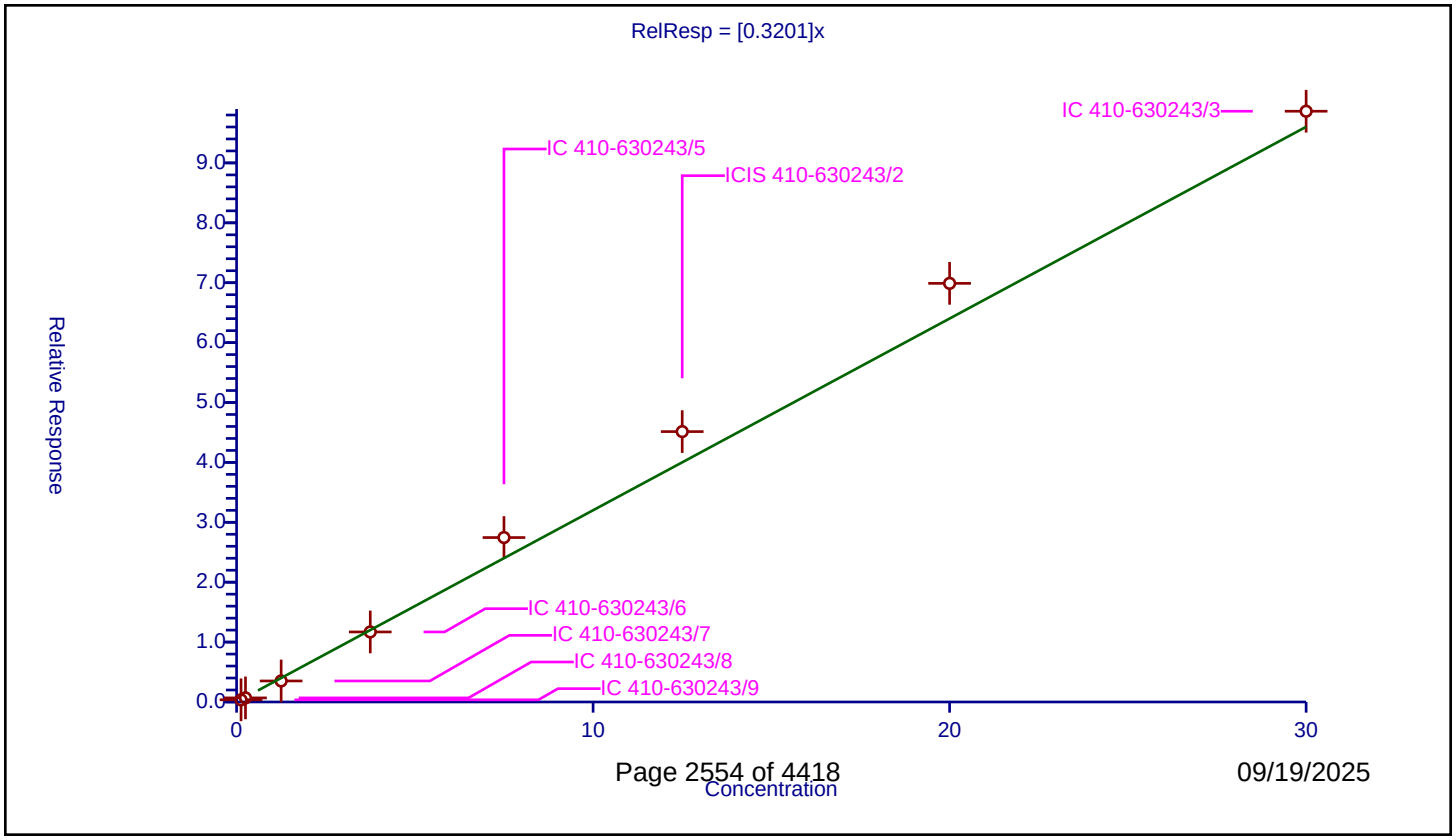
Curve Coefficients

Intercept:	0
Slope:	0.3201

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.036078	5.0	994797.0	0.288622	Y
2	IC 410-630243/8	0.25	0.068497	5.0	820547.0	0.273988	Y
3	IC 410-630243/7	1.25	0.351151	5.0	821585.0	0.28092	Y
4	IC 410-630243/6	3.75	1.169169	5.0	797639.0	0.311778	Y
5	IC 410-630243/5	7.5	2.745249	5.0	741288.0	0.366033	Y
6	ICIS 410-630243/2	12.5	4.51417	5.0	732664.0	0.361134	Y
7	IC 410-630243/4	20.0	6.989141	5.0	750917.0	0.349457	Y
8	IC 410-630243/3	30.0	9.863072	5.0	780302.0	0.328769	Y



Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

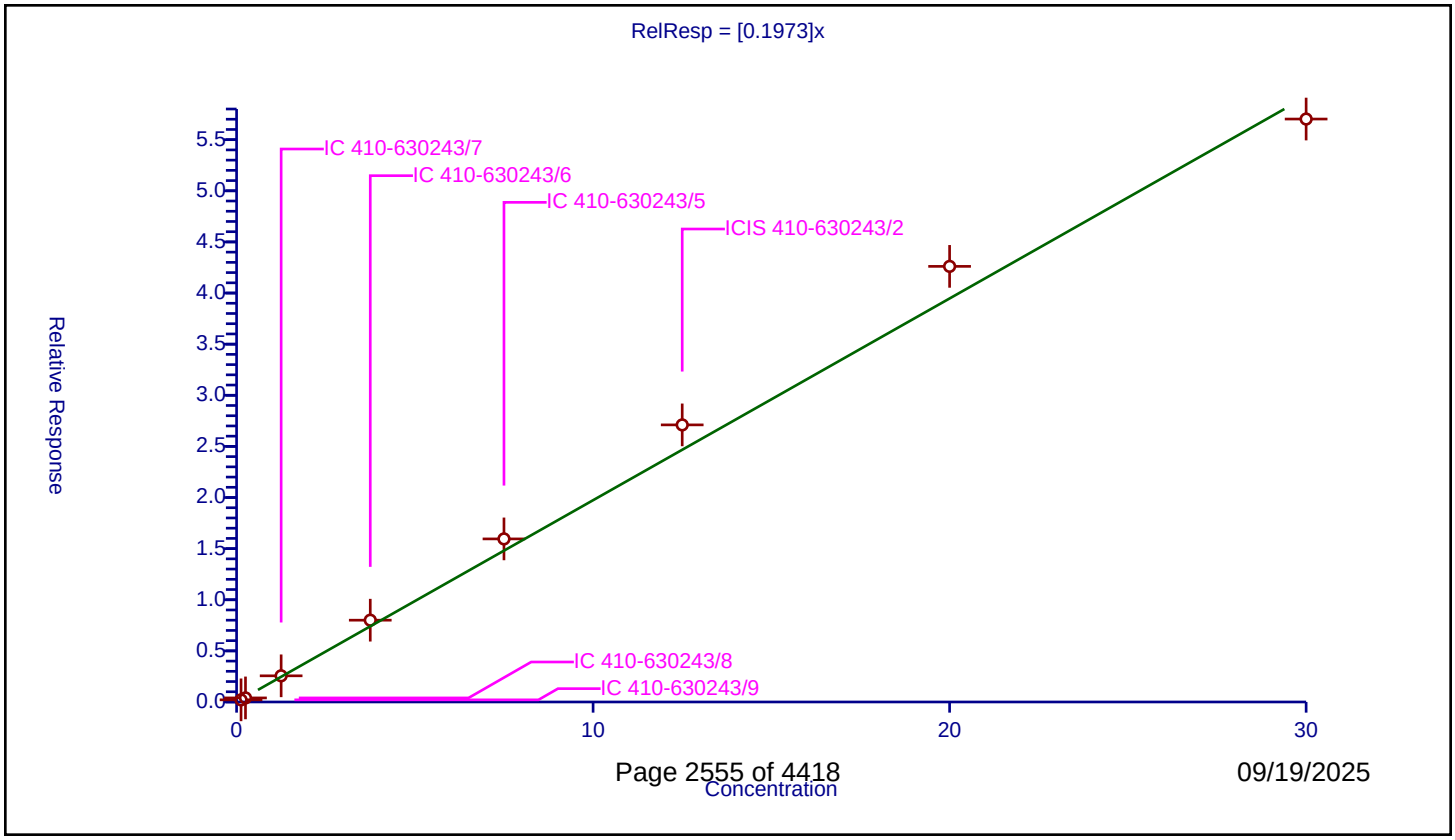
Curve Coefficients

Intercept:	0
Slope:	0.1973

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.021085	5.0	994797.0	0.168678	Y
2	IC 410-630243/8	0.25	0.039815	5.0	820547.0	0.15926	Y
3	IC 410-630243/7	1.25	0.256103	5.0	821585.0	0.204882	Y
4	IC 410-630243/6	3.75	0.799986	5.0	797639.0	0.21333	Y
5	IC 410-630243/5	7.5	1.595068	5.0	741288.0	0.212676	Y
6	ICIS 410-630243/2	12.5	2.710308	5.0	732664.0	0.216825	Y
7	IC 410-630243/4	20.0	4.260777	5.0	750917.0	0.213039	Y
8	IC 410-630243/3	30.0	5.701933	5.0	780302.0	0.190064	Y



09/19/2025

Calibration / Pentachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

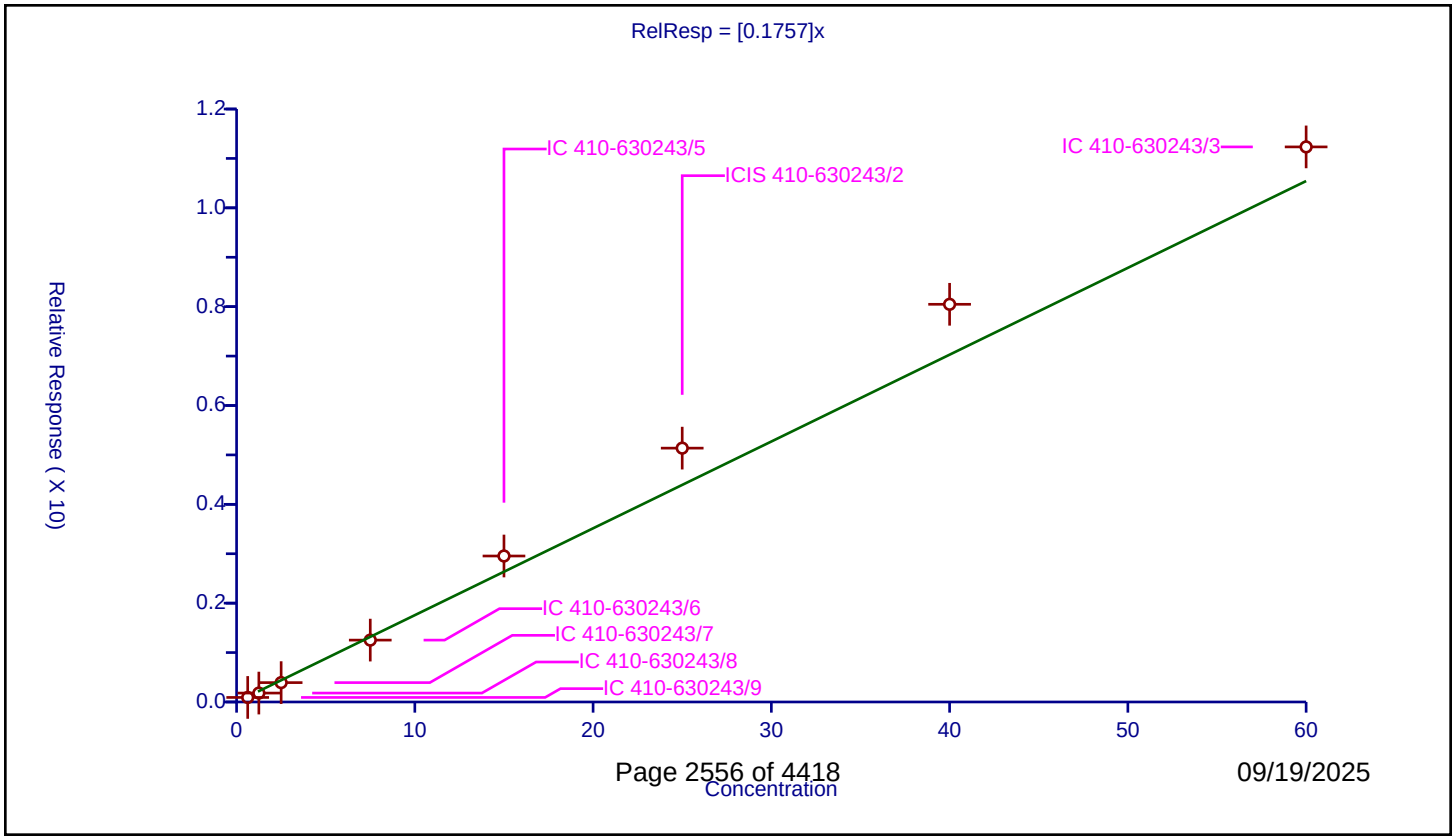
Curve Coefficients

Intercept:	0
Slope:	0.1757

Error Coefficients

Relative Standard Deviation:	14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.625	0.091767	5.0	994797.0	0.146828	Y
2	IC 410-630243/8	1.25	0.180276	5.0	820547.0	0.144221	Y
3	IC 410-630243/7	2.5	0.391956	5.0	821585.0	0.156782	Y
4	IC 410-630243/6	7.5	1.25239	5.0	797639.0	0.166985	Y
5	IC 410-630243/5	15.0	2.954412	5.0	741288.0	0.196961	Y
6	ICIS 410-630243/2	25.0	5.1373	5.0	732664.0	0.205492	Y
7	IC 410-630243/4	40.0	8.048013	5.0	750917.0	0.2012	Y
8	IC 410-630243/3	60.0	11.233029	5.0	780302.0	0.187217	Y



Calibration / 4-Aminobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

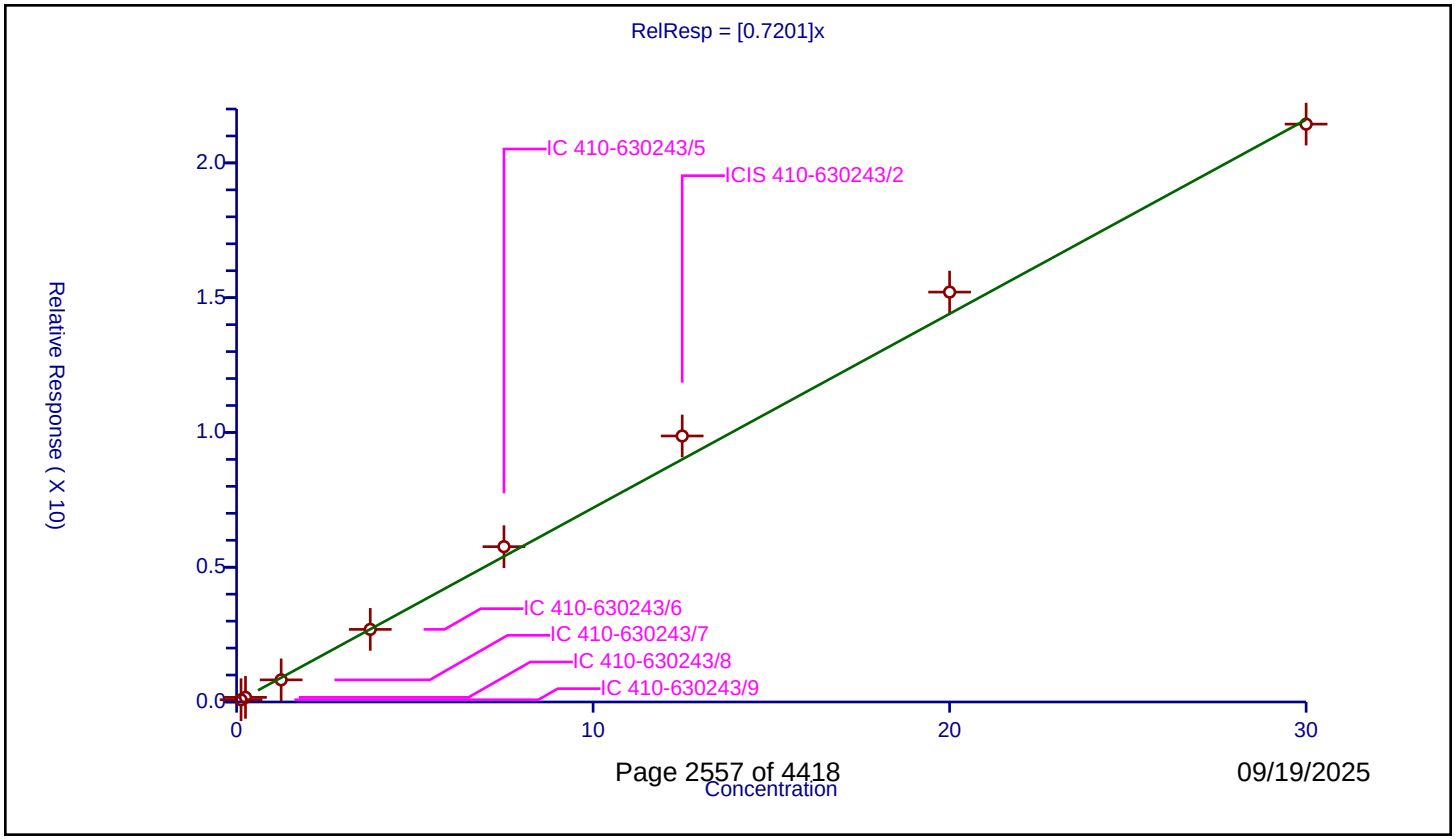
Curve Coefficients

Intercept:	0
Slope:	0.7201

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.083434	5.0	994797.0	0.667473	Y
2	IC 410-630243/8	0.25	0.171434	5.0	820547.0	0.685738	Y
3	IC 410-630243/7	1.25	0.820475	5.0	821585.0	0.65638	Y
4	IC 410-630243/6	3.75	2.693781	5.0	797639.0	0.718342	Y
5	IC 410-630243/5	7.5	5.762814	5.0	741288.0	0.768375	Y
6	ICIS 410-630243/2	12.5	9.869081	5.0	732664.0	0.789526	Y
7	IC 410-630243/4	20.0	15.207699	5.0	750917.0	0.760385	Y
8	IC 410-630243/3	30.0	21.439661	5.0	780302.0	0.714655	Y



Calibration / Pentachloronitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

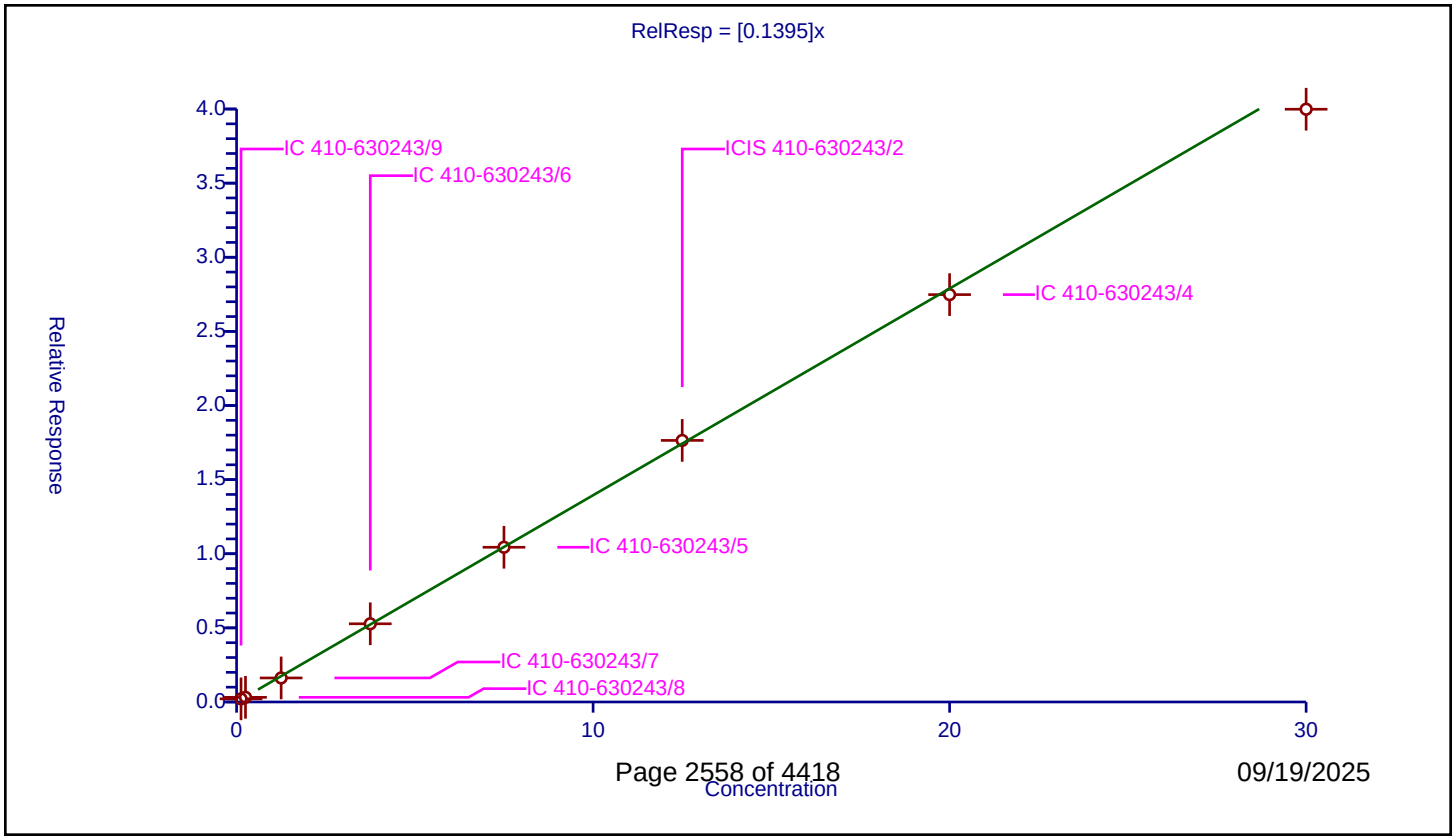
Curve Coefficients

Intercept:	0
Slope:	0.1395

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.02107	5.0	994797.0	0.168557	Y
2	IC 410-630243/8	0.25	0.031424	5.0	820547.0	0.125697	Y
3	IC 410-630243/7	1.25	0.162083	5.0	821585.0	0.129666	Y
4	IC 410-630243/6	3.75	0.527482	5.0	797639.0	0.140662	Y
5	IC 410-630243/5	7.5	1.043859	5.0	741288.0	0.139181	Y
6	ICIS 410-630243/2	12.5	1.764485	5.0	732664.0	0.141159	Y
7	IC 410-630243/4	20.0	2.747927	5.0	750917.0	0.137396	Y
8	IC 410-630243/3	30.0	3.998638	5.0	780302.0	0.133288	Y



Calibration / Pronamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

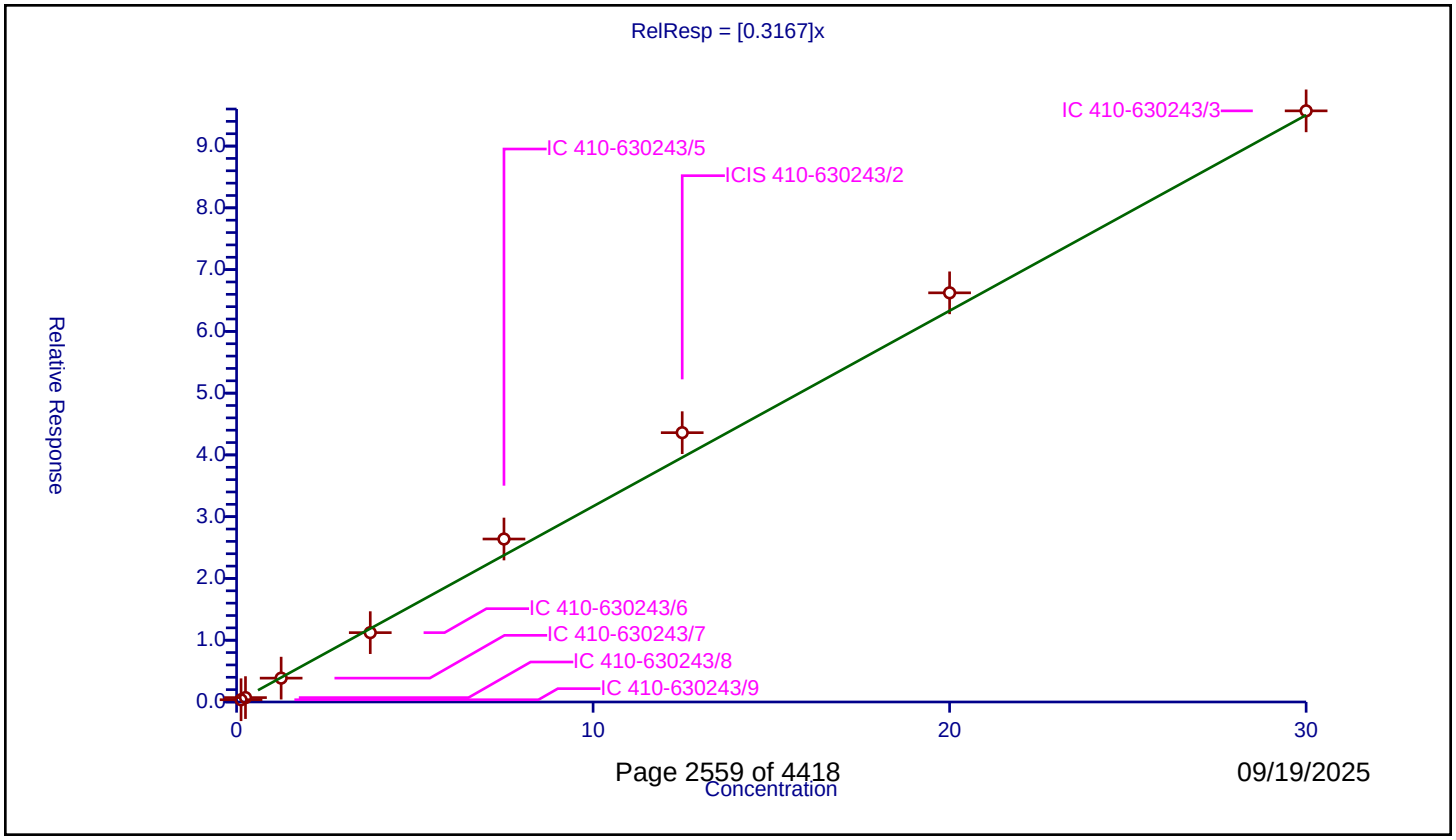
Curve Coefficients

Intercept:	0
Slope:	0.3167

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.036334	5.0	994797.0	0.290672	Y
2	IC 410-630243/8	0.25	0.071001	5.0	820547.0	0.284006	Y
3	IC 410-630243/7	1.25	0.38604	5.0	821585.0	0.308832	Y
4	IC 410-630243/6	3.75	1.122814	5.0	797639.0	0.299417	Y
5	IC 410-630243/5	7.5	2.638347	5.0	741288.0	0.35178	Y
6	ICIS 410-630243/2	12.5	4.360177	5.0	732664.0	0.348814	Y
7	IC 410-630243/4	20.0	6.624287	5.0	750917.0	0.331214	Y
8	IC 410-630243/3	30.0	9.570352	5.0	780302.0	0.319012	Y



Calibration / Dinoseb

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

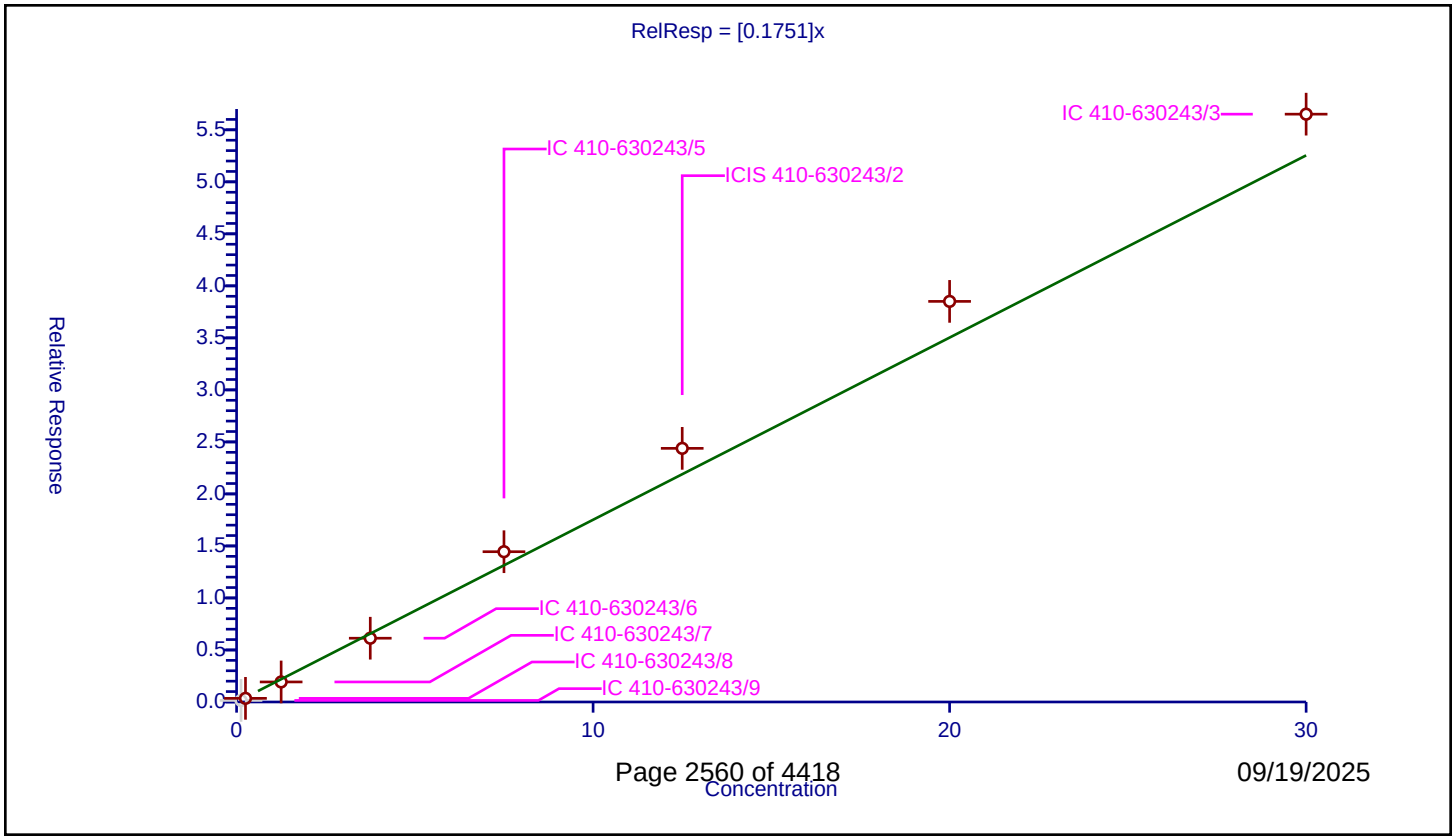
Curve Coefficients

Intercept:	0
Slope:	0.1751

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.014913	5.0	994797.0	0.119301	N
2	IC 410-630243/8	0.25	0.034977	5.0	820547.0	0.139907	Y
3	IC 410-630243/7	1.25	0.192555	5.0	821585.0	0.154044	Y
4	IC 410-630243/6	3.75	0.613097	5.0	797639.0	0.163493	Y
5	IC 410-630243/5	7.5	1.444648	5.0	741288.0	0.19262	Y
6	ICIS 410-630243/2	12.5	2.438096	5.0	732664.0	0.195048	Y
7	IC 410-630243/4	20.0	3.850805	5.0	750917.0	0.19254	Y
8	IC 410-630243/3	30.0	5.650613	5.0	780302.0	0.188354	Y



Calibration / Disulfoton

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

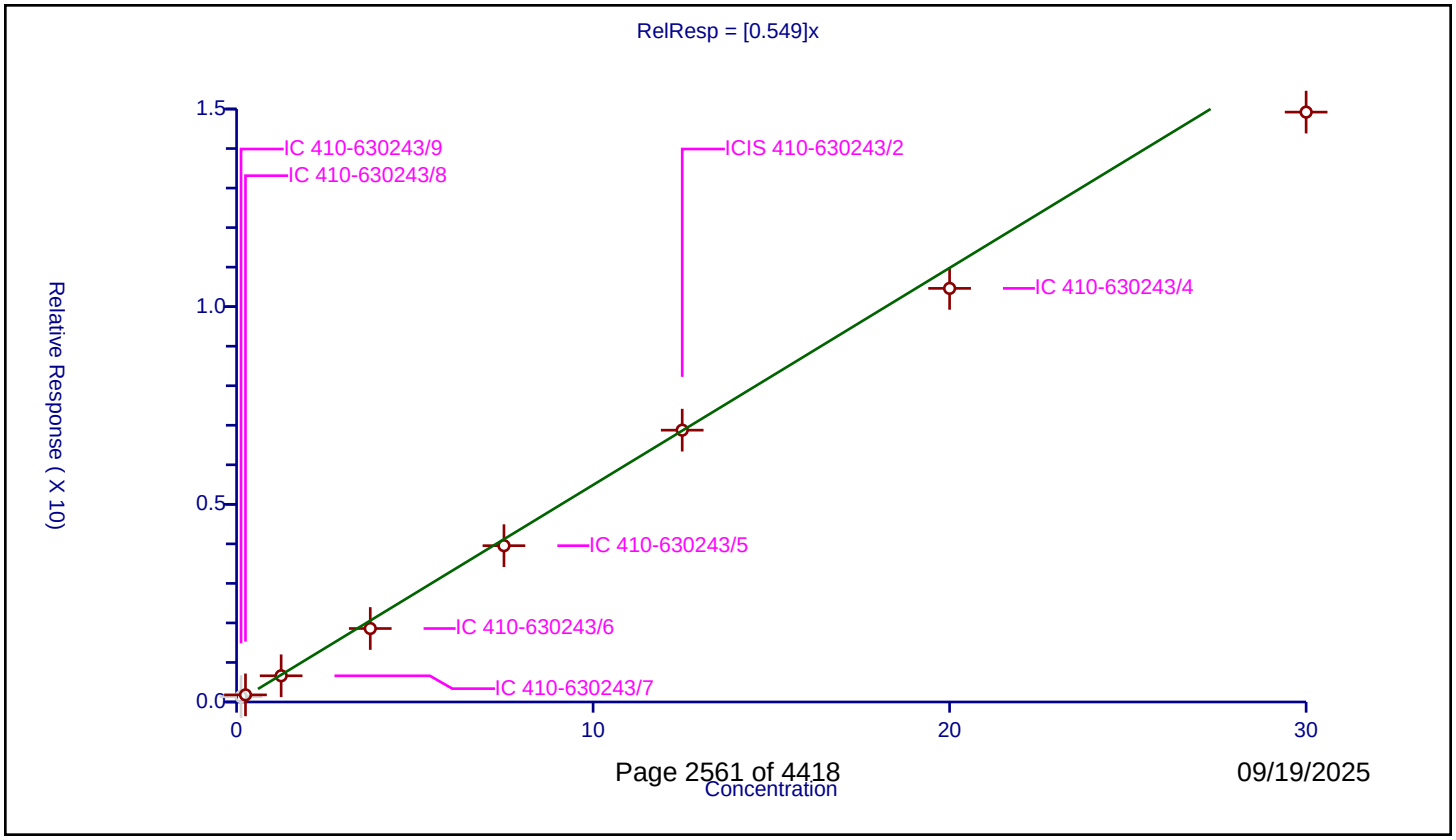
Curve Coefficients

Intercept:	0
Slope:	0.549

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.135666	5.0	994797.0	1.085327	N
2	IC 410-630243/8	0.25	0.17985	5.0	820547.0	0.719398	Y
3	IC 410-630243/7	1.25	0.663078	5.0	821585.0	0.530462	Y
4	IC 410-630243/6	3.75	1.858447	5.0	797639.0	0.495586	Y
5	IC 410-630243/5	7.5	3.953774	5.0	741288.0	0.52717	Y
6	ICIS 410-630243/2	12.5	6.876317	5.0	732664.0	0.550105	Y
7	IC 410-630243/4	20.0	10.462761	5.0	750917.0	0.523138	Y
8	IC 410-630243/3	30.0	14.921652	5.0	780302.0	0.497388	Y



Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

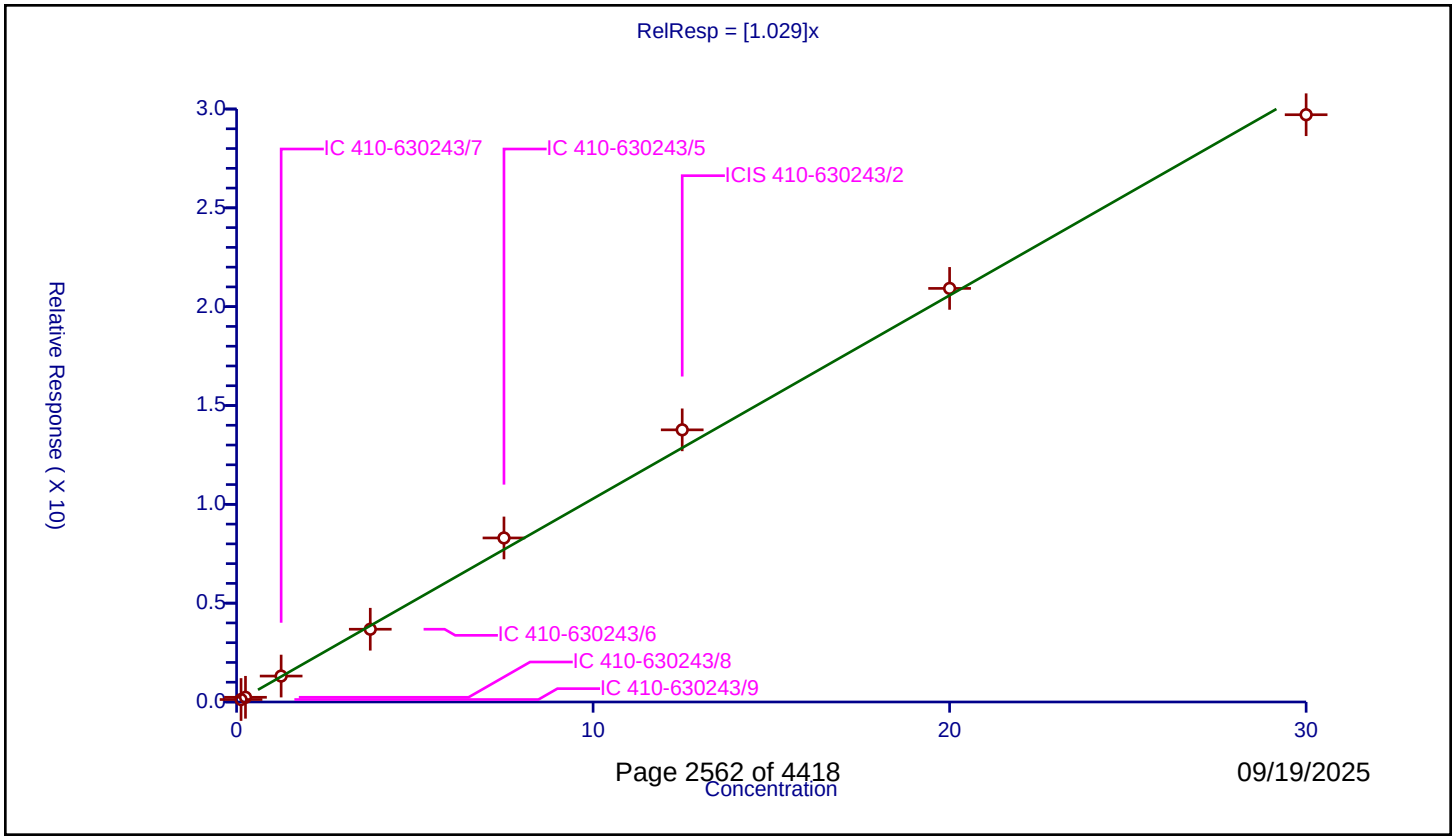
Curve Coefficients

Intercept:	0
Slope:	1.029

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.125257	5.0	994797.0	1.002054	Y
2	IC 410-630243/8	0.25	0.237524	5.0	820547.0	0.950098	Y
3	IC 410-630243/7	1.25	1.312658	5.0	821585.0	1.050126	Y
4	IC 410-630243/6	3.75	3.680957	5.0	797639.0	0.981589	Y
5	IC 410-630243/5	7.5	8.299136	5.0	741288.0	1.106551	Y
6	ICIS 410-630243/2	12.5	13.767989	5.0	732664.0	1.101439	Y
7	IC 410-630243/4	20.0	20.924809	5.0	750917.0	1.04624	Y
8	IC 410-630243/3	30.0	29.711426	5.0	780302.0	0.990381	Y



Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

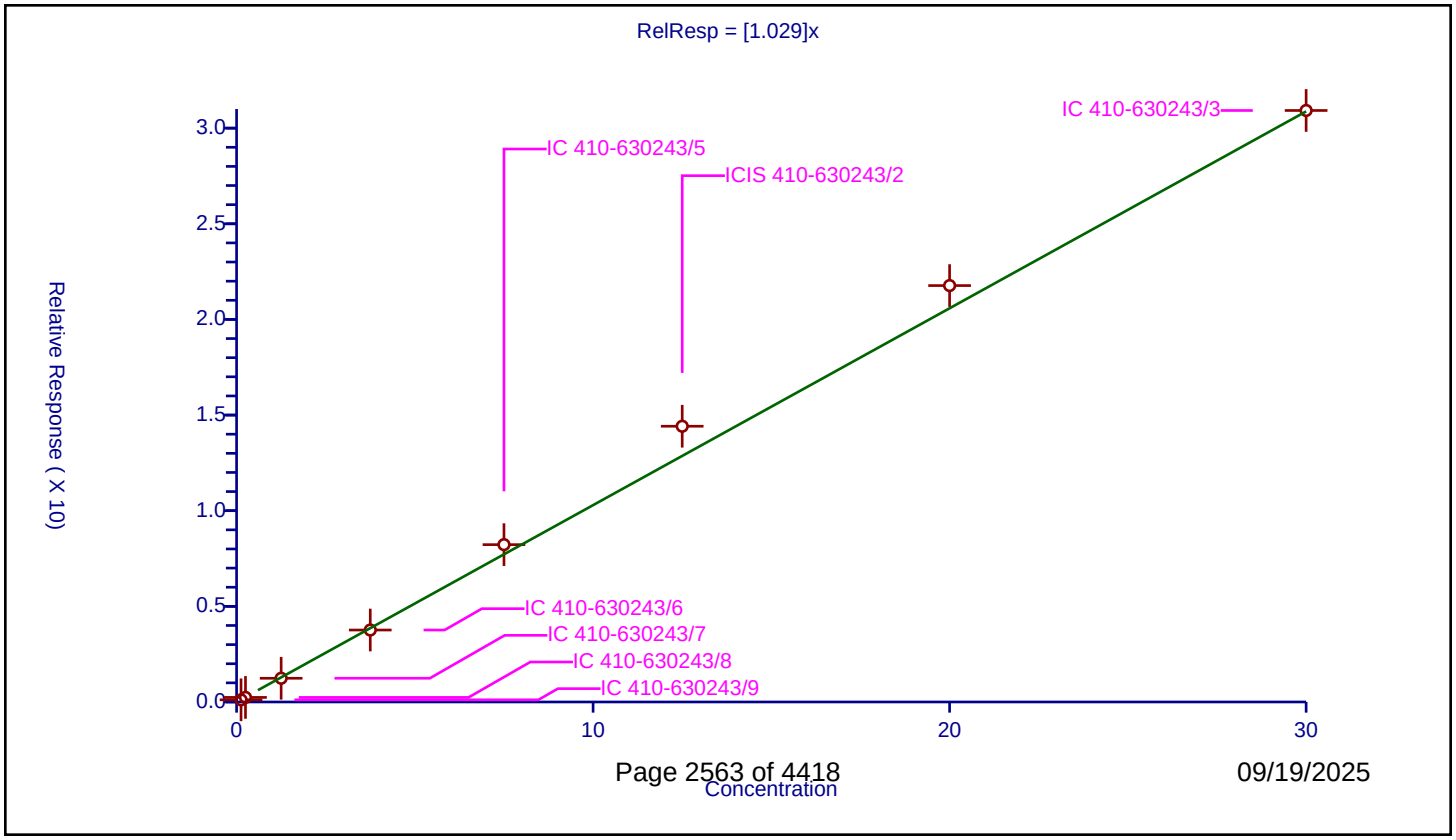
Curve Coefficients

Intercept:	0
Slope:	1.029

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.114048	5.0	994797.0	0.912387	Y
2	IC 410-630243/8	0.25	0.23906	5.0	820547.0	0.95624	Y
3	IC 410-630243/7	1.25	1.240109	5.0	821585.0	0.992087	Y
4	IC 410-630243/6	3.75	3.761714	5.0	797639.0	1.003124	Y
5	IC 410-630243/5	7.5	8.226067	5.0	741288.0	1.096809	Y
6	ICIS 410-630243/2	12.5	14.415128	5.0	732664.0	1.15321	Y
7	IC 410-630243/4	20.0	21.769144	5.0	750917.0	1.088457	Y
8	IC 410-630243/3	30.0	30.923783	5.0	780302.0	1.030793	Y



09/19/2025

Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

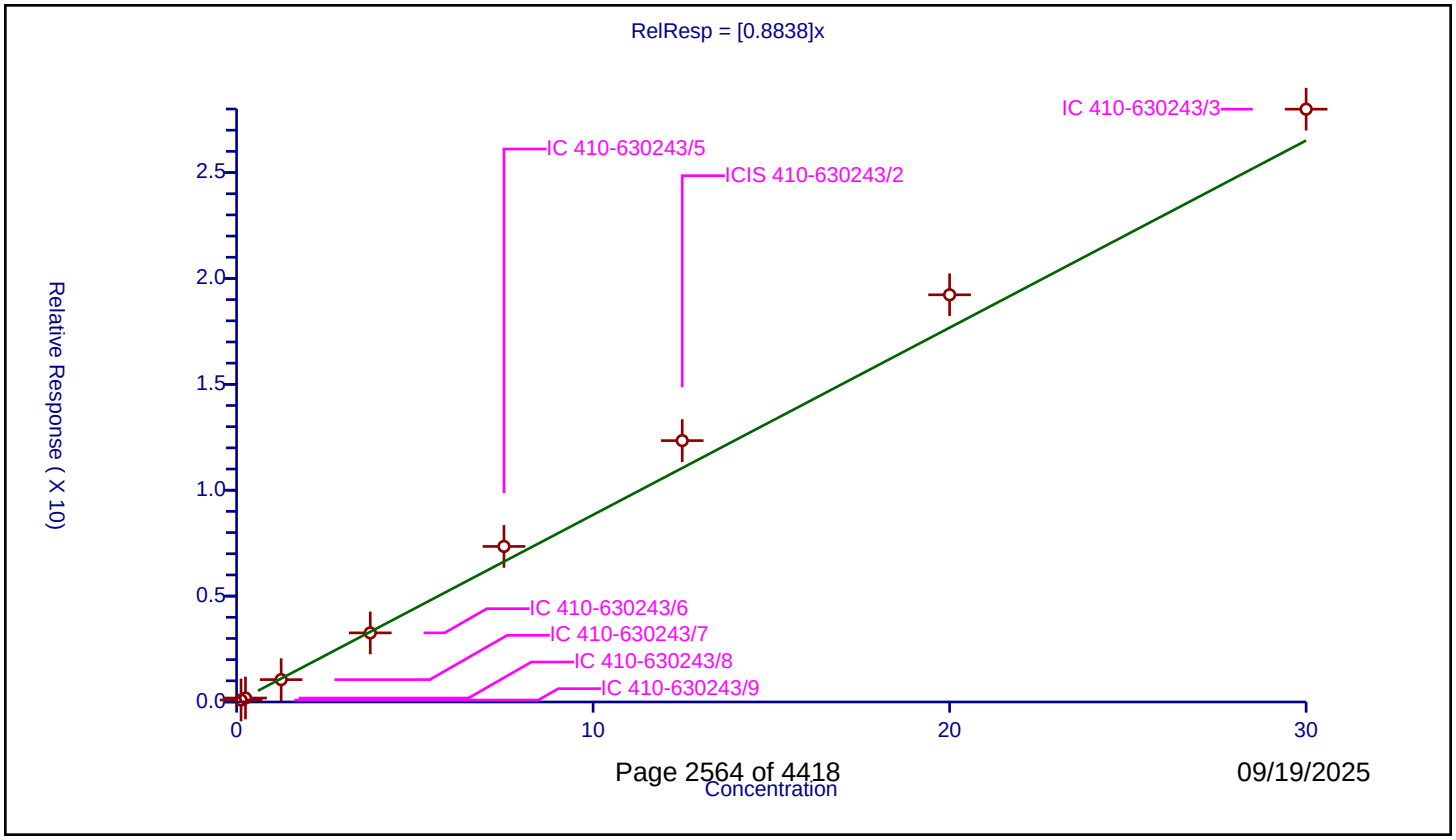
Curve Coefficients

Intercept:	0
Slope:	0.8838

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.093114	5.0	994797.0	0.744916	Y
2	IC 410-630243/8	0.25	0.187326	5.0	820547.0	0.749305	Y
3	IC 410-630243/7	1.25	1.055746	5.0	821585.0	0.844597	Y
4	IC 410-630243/6	3.75	3.26303	5.0	797639.0	0.870141	Y
5	IC 410-630243/5	7.5	7.345067	5.0	741288.0	0.979342	Y
6	ICIS 410-630243/2	12.5	12.34179	5.0	732664.0	0.987343	Y
7	IC 410-630243/4	20.0	19.227311	5.0	750917.0	0.961366	Y
8	IC 410-630243/3	30.0	27.992739	5.0	780302.0	0.933091	Y



09/19/2025

Calibration / Methyl parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

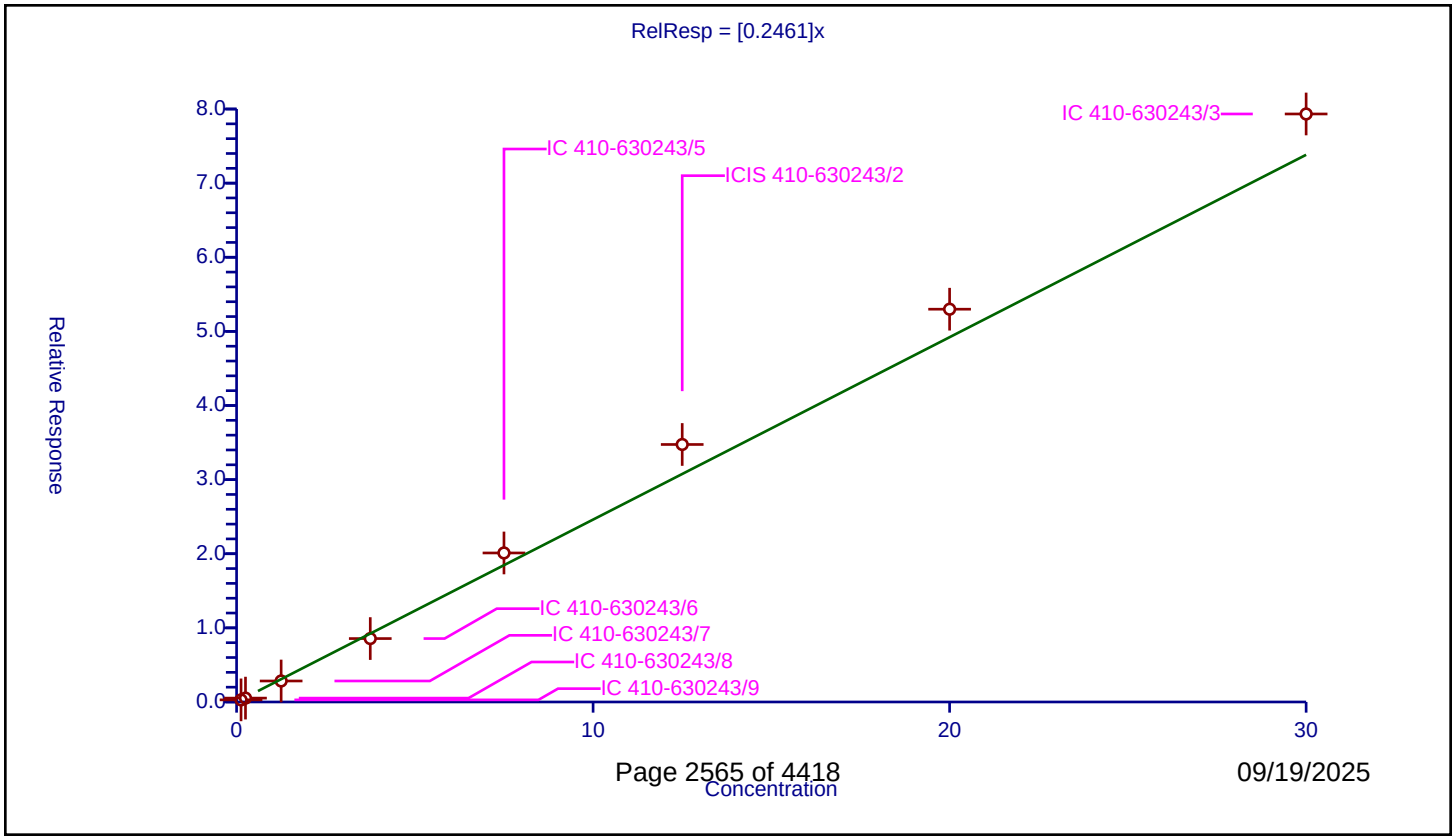
Curve Coefficients

Intercept:	0
Slope:	0.2461

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.028614	5.0	994797.0	0.228911	Y
2	IC 410-630243/8	0.25	0.052325	5.0	820547.0	0.209299	Y
3	IC 410-630243/7	1.25	0.28347	5.0	821585.0	0.226776	Y
4	IC 410-630243/6	3.75	0.855769	5.0	797639.0	0.228205	Y
5	IC 410-630243/5	7.5	2.010568	5.0	741288.0	0.268076	Y
6	ICIS 410-630243/2	12.5	3.474096	5.0	732664.0	0.277928	Y
7	IC 410-630243/4	20.0	5.299134	5.0	750917.0	0.264957	Y
8	IC 410-630243/3	30.0	7.933089	5.0	780302.0	0.264436	Y



09/19/2025

Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

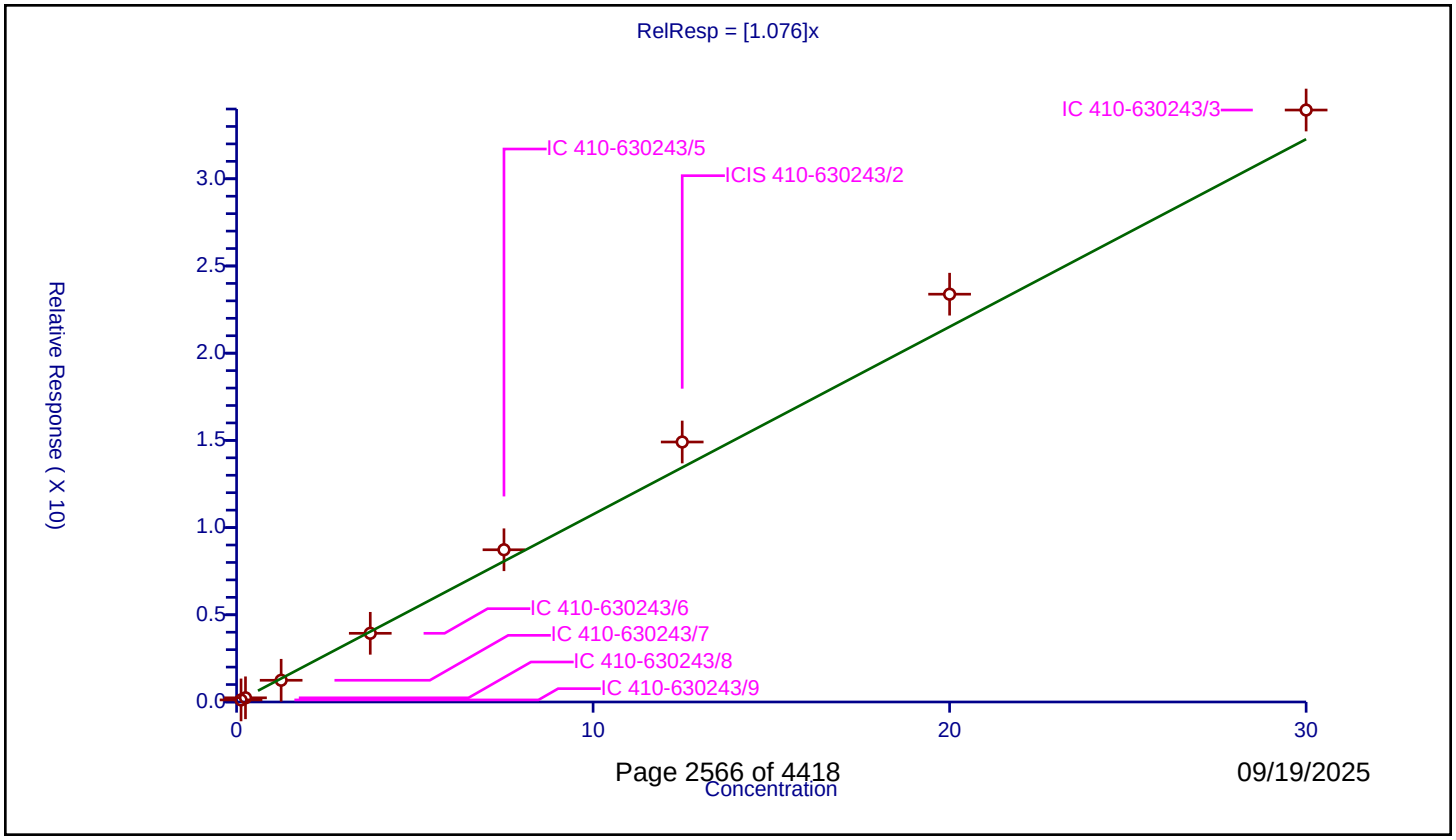
Curve Coefficients

Intercept:	0
Slope:	1.076

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.118004	5.0	994797.0	0.944032	Y
2	IC 410-630243/8	0.25	0.239541	5.0	820547.0	0.958166	Y
3	IC 410-630243/7	1.25	1.24541	5.0	821585.0	0.996328	Y
4	IC 410-630243/6	3.75	3.937884	5.0	797639.0	1.050102	Y
5	IC 410-630243/5	7.5	8.727768	5.0	741288.0	1.163702	Y
6	ICIS 410-630243/2	12.5	14.907877	5.0	732664.0	1.19263	Y
7	IC 410-630243/4	20.0	23.382085	5.0	750917.0	1.169104	Y
8	IC 410-630243/3	30.0	33.942582	5.0	780302.0	1.131419	Y



Calibration / Ethyl Parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

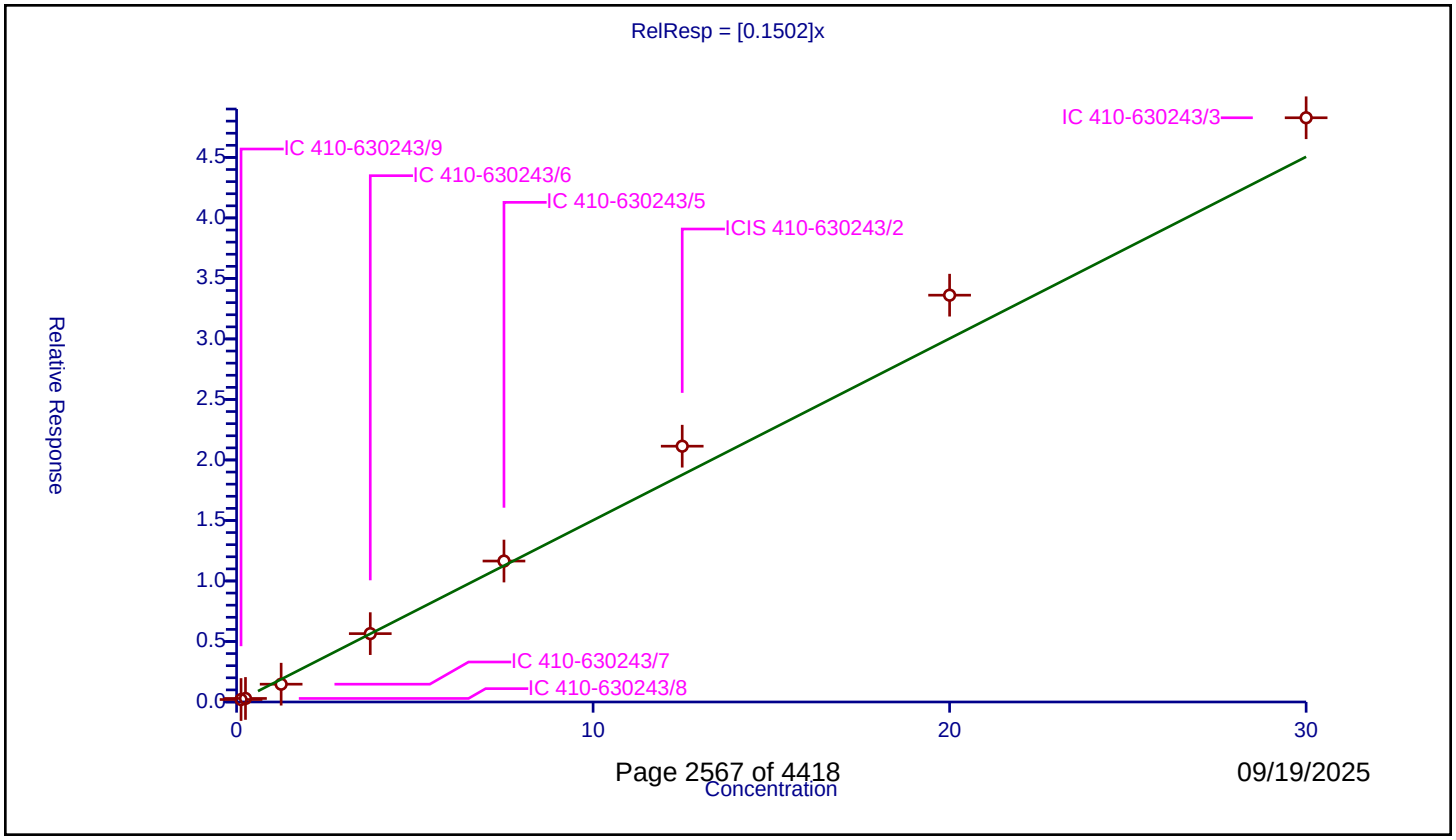
Curve Coefficients

Intercept:	0
Slope:	0.1502

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.020306	5.0	994797.0	0.162445	Y
2	IC 410-630243/8	0.25	0.029291	5.0	820547.0	0.117166	Y
3	IC 410-630243/7	1.25	0.1471	5.0	821585.0	0.11768	Y
4	IC 410-630243/6	3.75	0.56493	5.0	797639.0	0.150648	Y
5	IC 410-630243/5	7.5	1.164642	5.0	741288.0	0.155286	Y
6	ICIS 410-630243/2	12.5	2.113841	5.0	732664.0	0.169107	Y
7	IC 410-630243/4	20.0	3.361736	5.0	750917.0	0.168087	Y
8	IC 410-630243/3	30.0	4.827637	5.0	780302.0	0.160921	Y



Calibration / 4-Nitroquinoline-1-oxide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

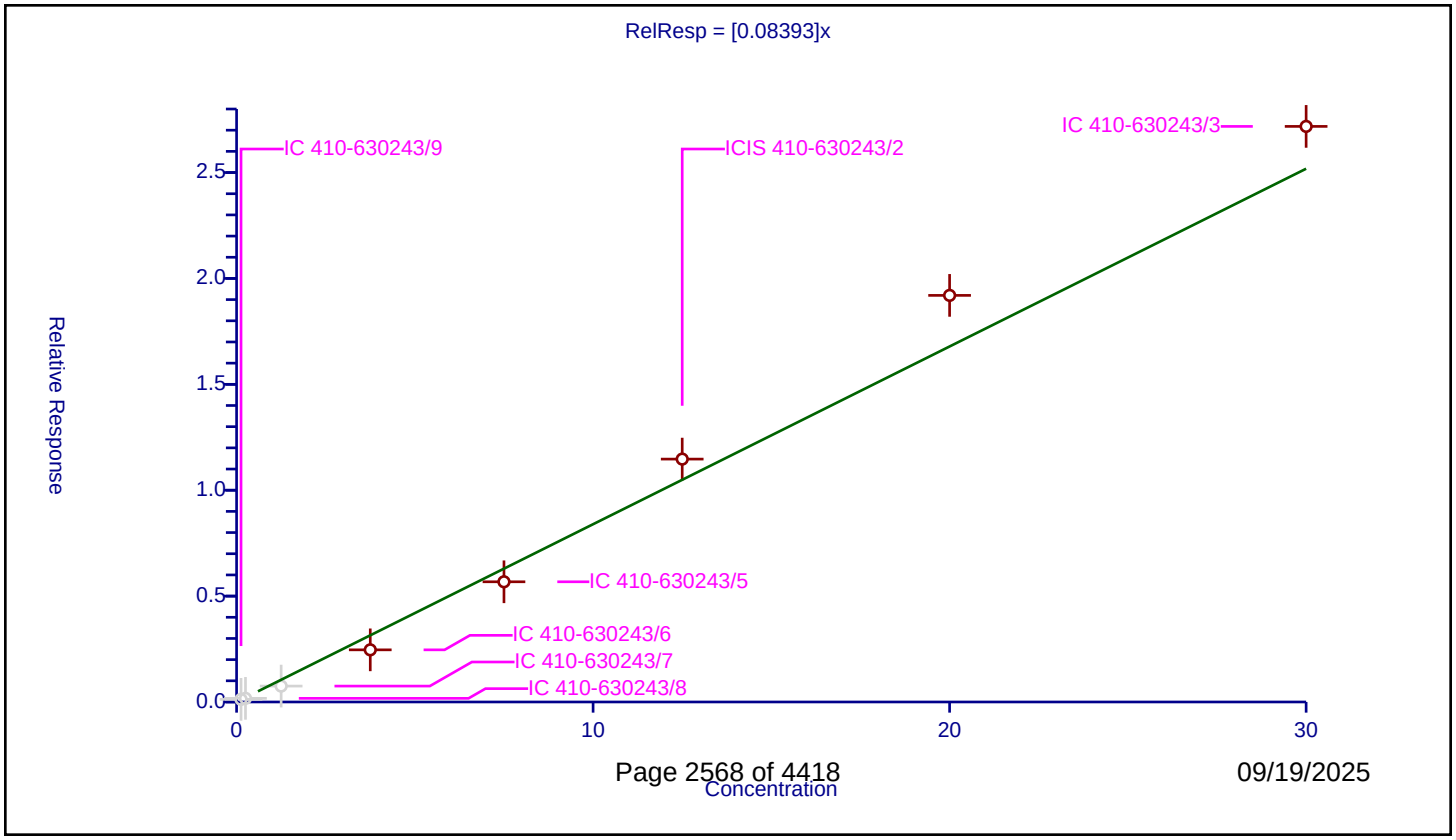
Curve Coefficients

Intercept:	0
Slope:	0.08393

Error Coefficients

Relative Standard Deviation:	15.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.012435	5.0	994797.0	0.099478	N
2	IC 410-630243/8	0.25	0.017171	5.0	820547.0	0.068686	N
3	IC 410-630243/7	1.25	0.07505	5.0	821585.0	0.06004	N
4	IC 410-630243/6	3.75	0.246177	5.0	797639.0	0.065647	Y
5	IC 410-630243/5	7.5	0.567553	5.0	741288.0	0.075674	Y
6	ICIS 410-630243/2	12.5	1.14691	5.0	732664.0	0.091753	Y
7	IC 410-630243/4	20.0	1.919953	5.0	750917.0	0.095998	Y
8	IC 410-630243/3	30.0	2.717916	5.0	780302.0	0.090597	Y



Calibration / Octachlorostyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

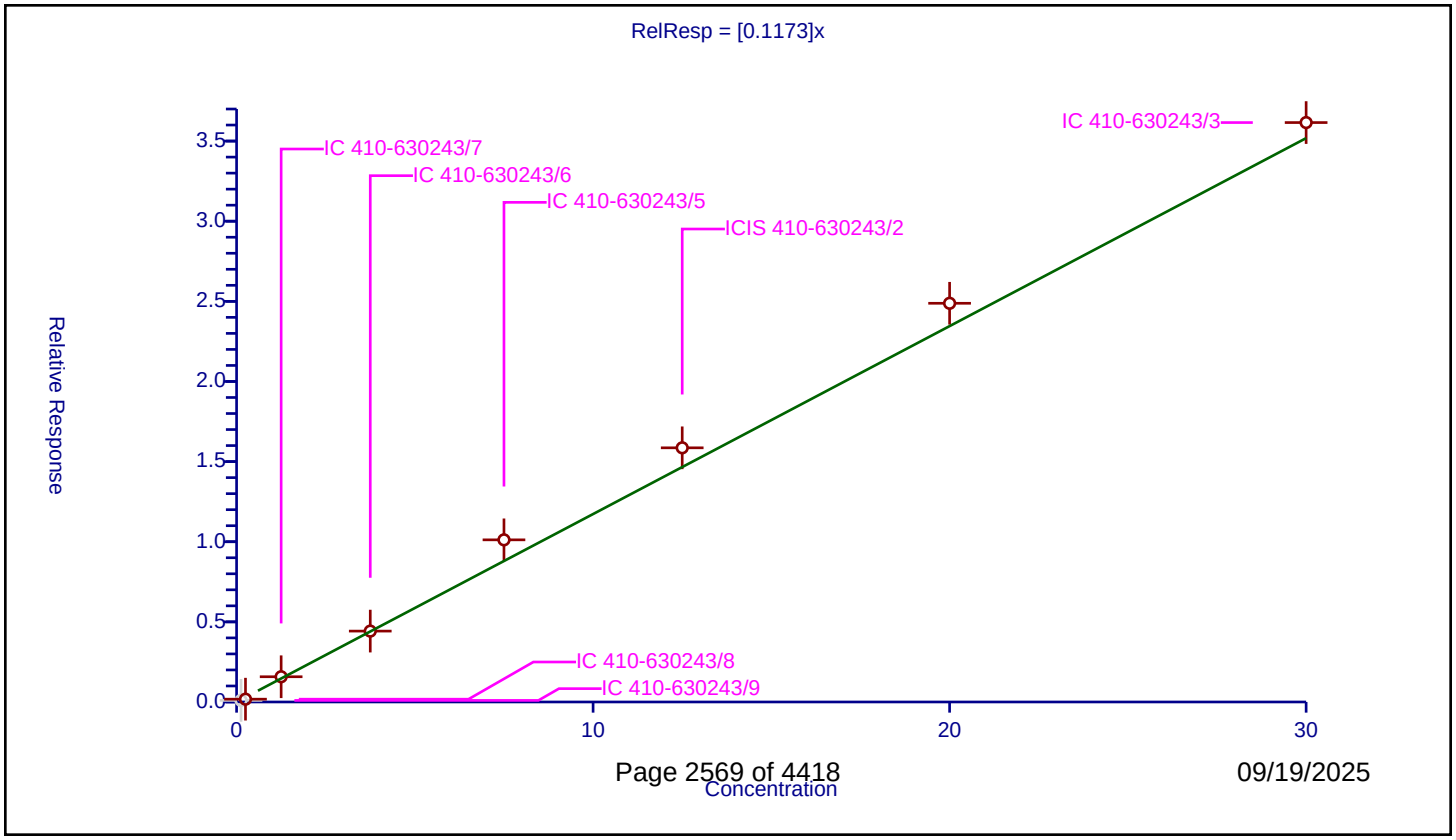
Curve Coefficients

Intercept:	0
Slope:	0.1173

Error Coefficients

Relative Standard Deviation:	18.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.009861	5.0	994797.0	0.07889	N
2	IC 410-630243/8	0.25	0.017561	5.0	820547.0	0.070246	Y
3	IC 410-630243/7	1.25	0.157507	5.0	821585.0	0.126005	Y
4	IC 410-630243/6	3.75	0.442305	5.0	797639.0	0.117948	Y
5	IC 410-630243/5	7.5	1.011753	5.0	741288.0	0.1349	Y
6	ICIS 410-630243/2	12.5	1.585979	5.0	732664.0	0.126878	Y
7	IC 410-630243/4	20.0	2.487752	5.0	750917.0	0.124388	Y
8	IC 410-630243/3	30.0	3.615491	5.0	780302.0	0.120516	Y



Calibration / Isodrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

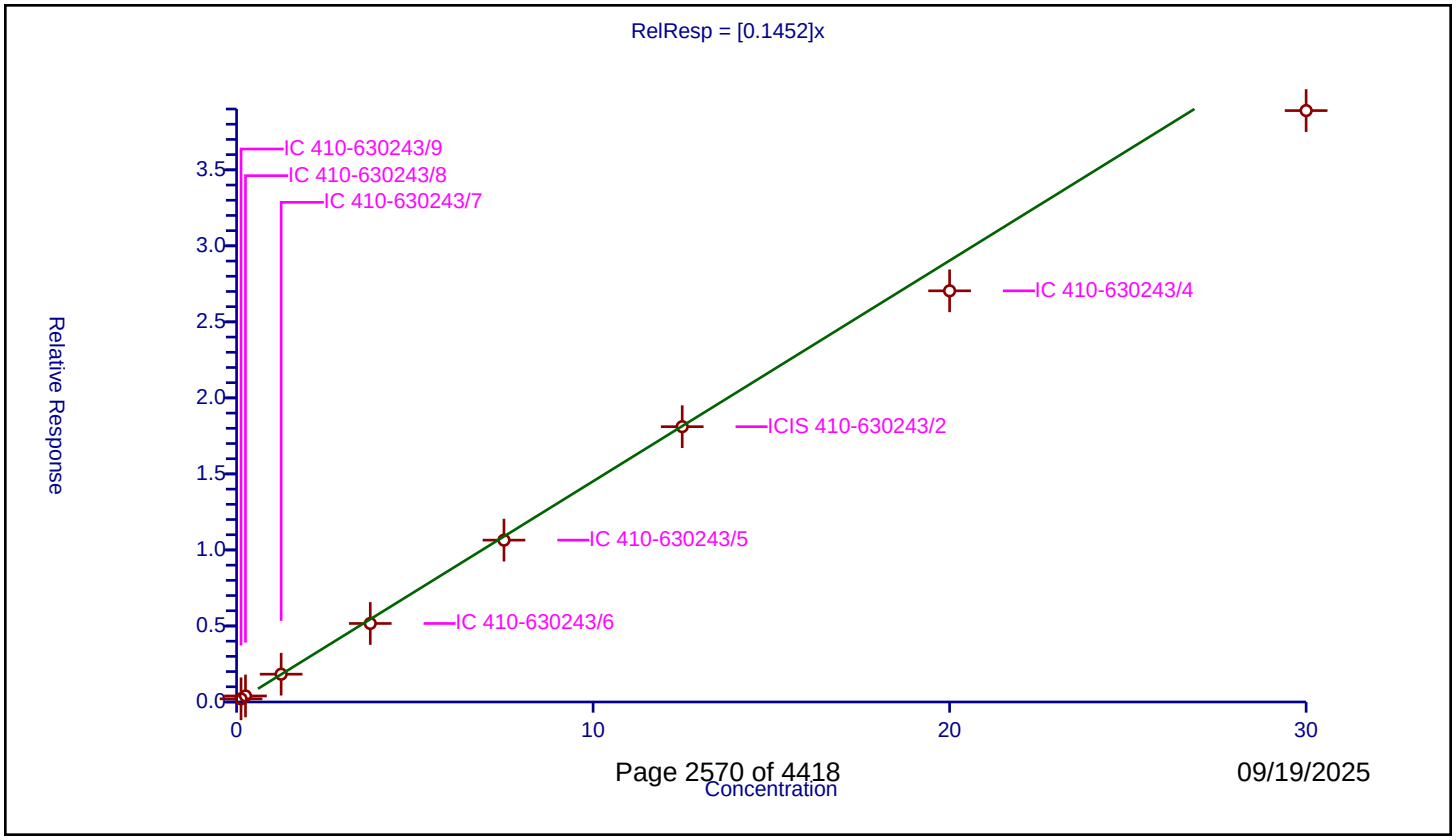
Curve Coefficients

Intercept:	0
Slope:	0.1452

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.020823	5.0	994797.0	0.166587	Y
2	IC 410-630243/8	0.25	0.039772	5.0	820547.0	0.159089	Y
3	IC 410-630243/7	1.25	0.182757	5.0	821585.0	0.146205	Y
4	IC 410-630243/6	3.75	0.516418	5.0	797639.0	0.137711	Y
5	IC 410-630243/5	7.5	1.064424	5.0	741288.0	0.141923	Y
6	ICIS 410-630243/2	12.5	1.810857	5.0	732664.0	0.144869	Y
7	IC 410-630243/4	20.0	2.704147	5.0	750917.0	0.135207	Y
8	IC 410-630243/3	30.0	3.889654	5.0	780302.0	0.129655	Y



Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

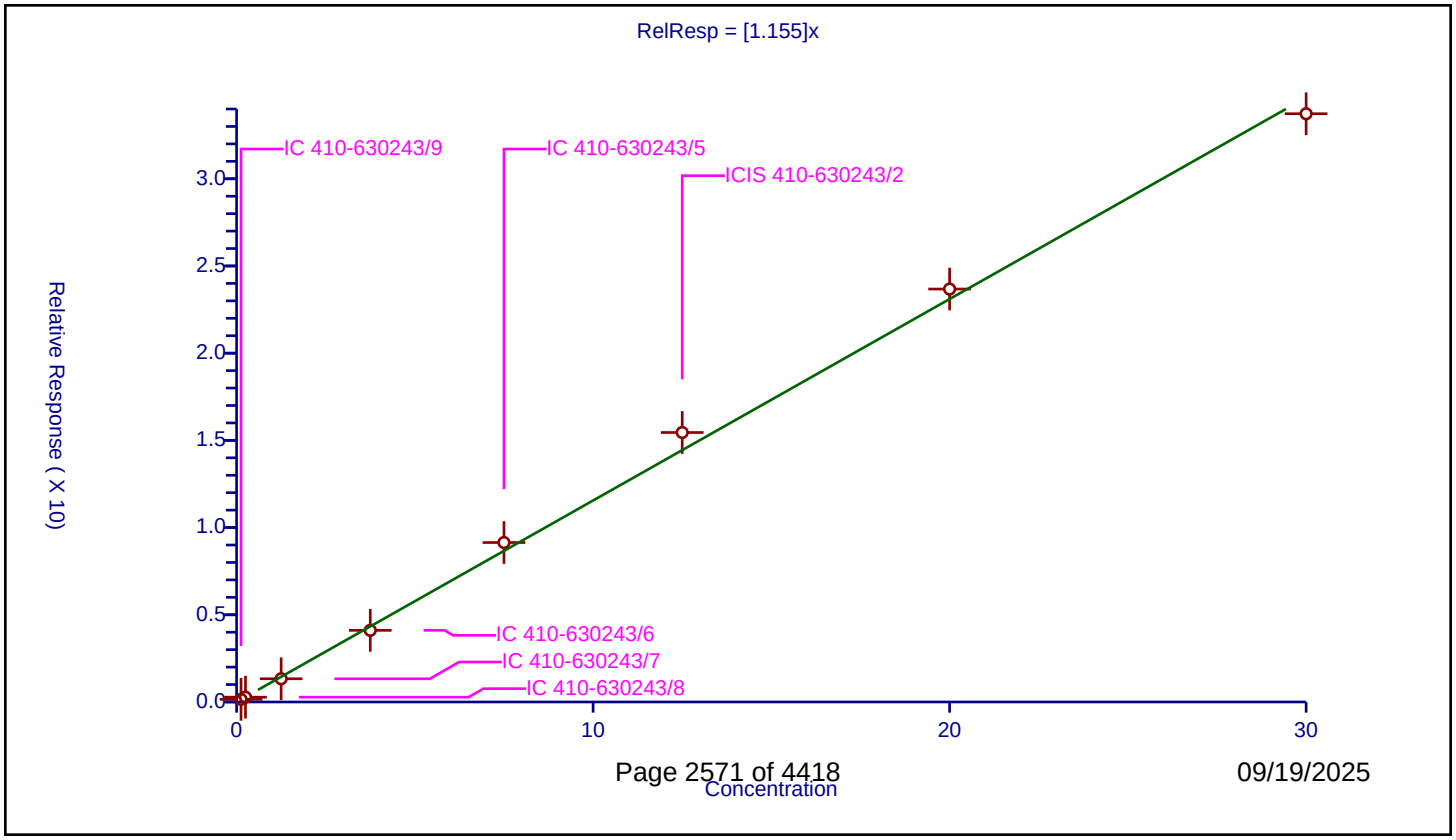
Curve Coefficients

Intercept:	0
Slope:	1.155

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.151669	5.0	994797.0	1.213353	Y
2	IC 410-630243/8	0.25	0.276279	5.0	820547.0	1.105116	Y
3	IC 410-630243/7	1.25	1.330538	5.0	821585.0	1.06443	Y
4	IC 410-630243/6	3.75	4.107322	5.0	797639.0	1.095286	Y
5	IC 410-630243/5	7.5	9.143234	5.0	741288.0	1.219098	Y
6	ICIS 410-630243/2	12.5	15.451762	5.0	732664.0	1.236141	Y
7	IC 410-630243/4	20.0	23.677996	5.0	750917.0	1.1839	Y
8	IC 410-630243/3	30.0	33.729806	5.0	780302.0	1.124327	Y



Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

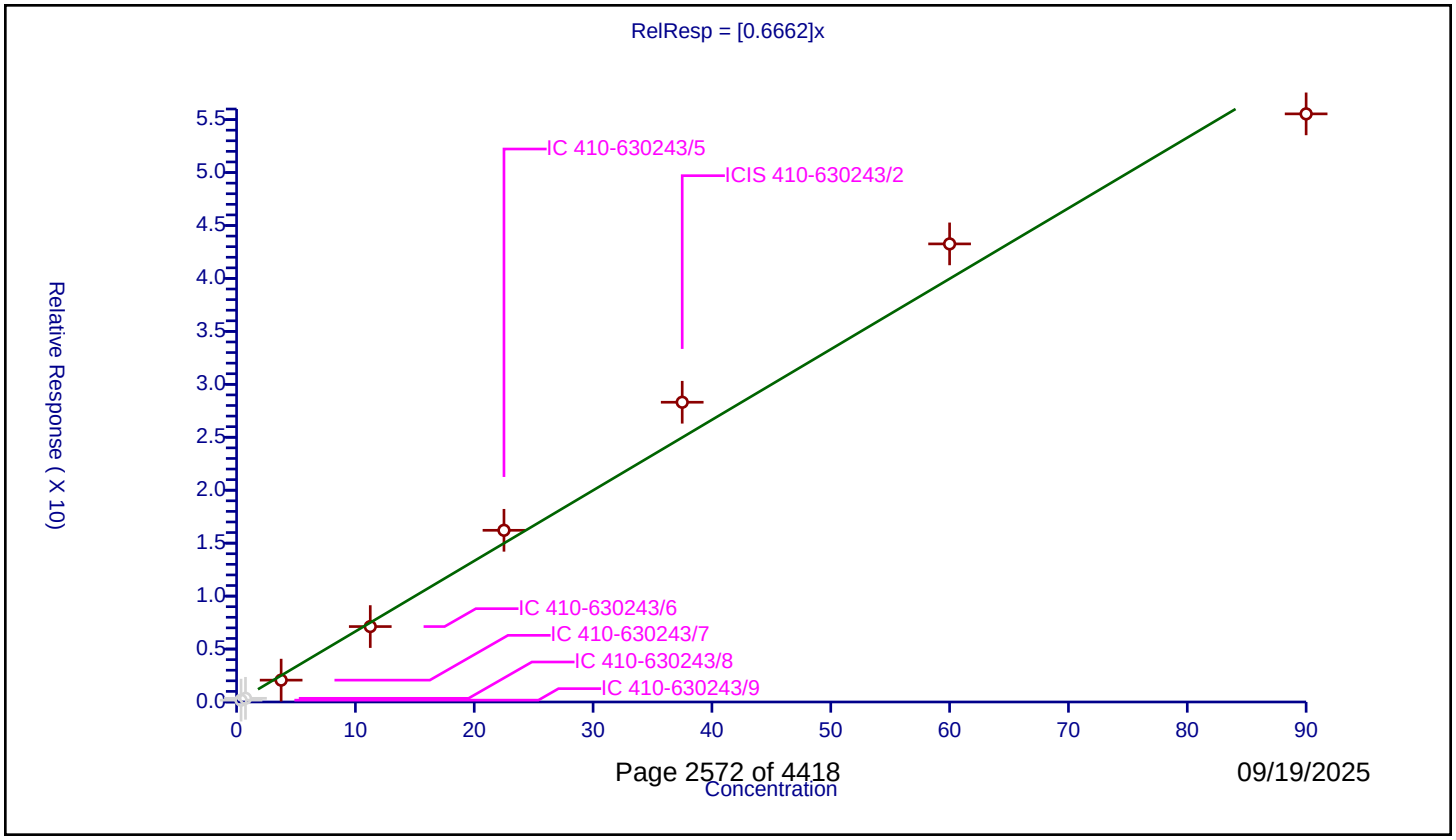
Curve Coefficients

Intercept:	0
Slope:	0.6662

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.375	0.174225	5.0	986084.0	0.464599	N
2	IC 410-630243/8	0.75	0.346473	5.0	806600.0	0.461964	N
3	IC 410-630243/7	3.75	2.062997	5.0	810624.0	0.550133	Y
4	IC 410-630243/6	11.25	7.123239	5.0	815410.0	0.633177	Y
5	IC 410-630243/5	22.5	16.215653	5.0	741758.0	0.720696	Y
6	ICIS 410-630243/2	37.5	28.30712	5.0	750133.0	0.754857	Y
7	IC 410-630243/4	60.0	43.261745	5.0	765515.0	0.721029	Y
8	IC 410-630243/3	90.0	55.541885	5.0	768419.0	0.617132	Y



Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

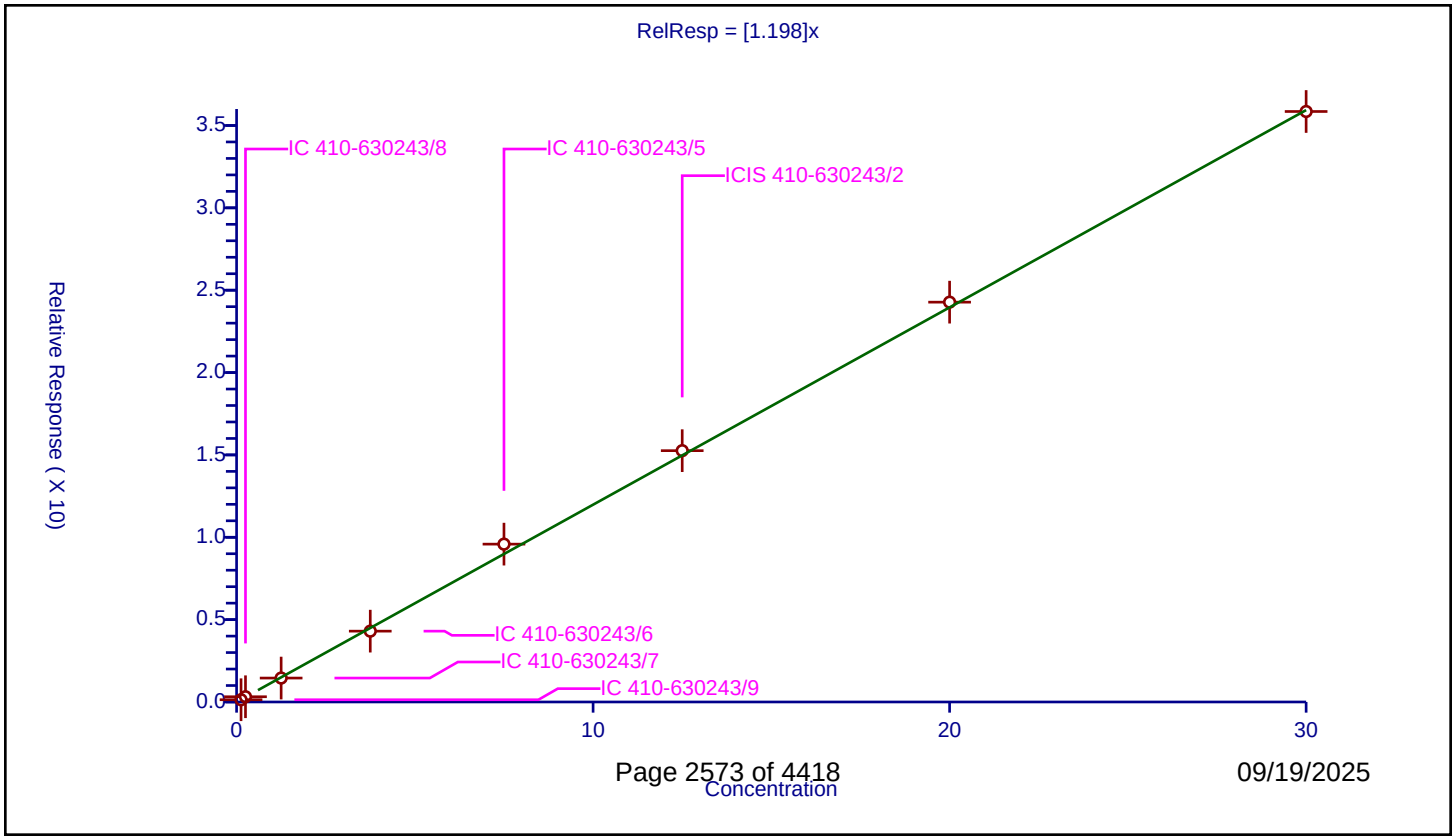
Curve Coefficients

Intercept:	0
Slope:	1.198

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.136626	5.0	986084.0	1.09301	Y
2	IC 410-630243/8	0.25	0.318063	5.0	806600.0	1.272254	Y
3	IC 410-630243/7	1.25	1.453627	5.0	810624.0	1.162902	Y
4	IC 410-630243/6	3.75	4.301554	5.0	815410.0	1.147081	Y
5	IC 410-630243/5	7.5	9.584009	5.0	741758.0	1.277868	Y
6	ICIS 410-630243/2	12.5	15.258361	5.0	750133.0	1.220669	Y
7	IC 410-630243/4	20.0	24.274639	5.0	765515.0	1.213732	Y
8	IC 410-630243/3	30.0	35.849829	5.0	768419.0	1.194994	Y



Calibration / p-Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

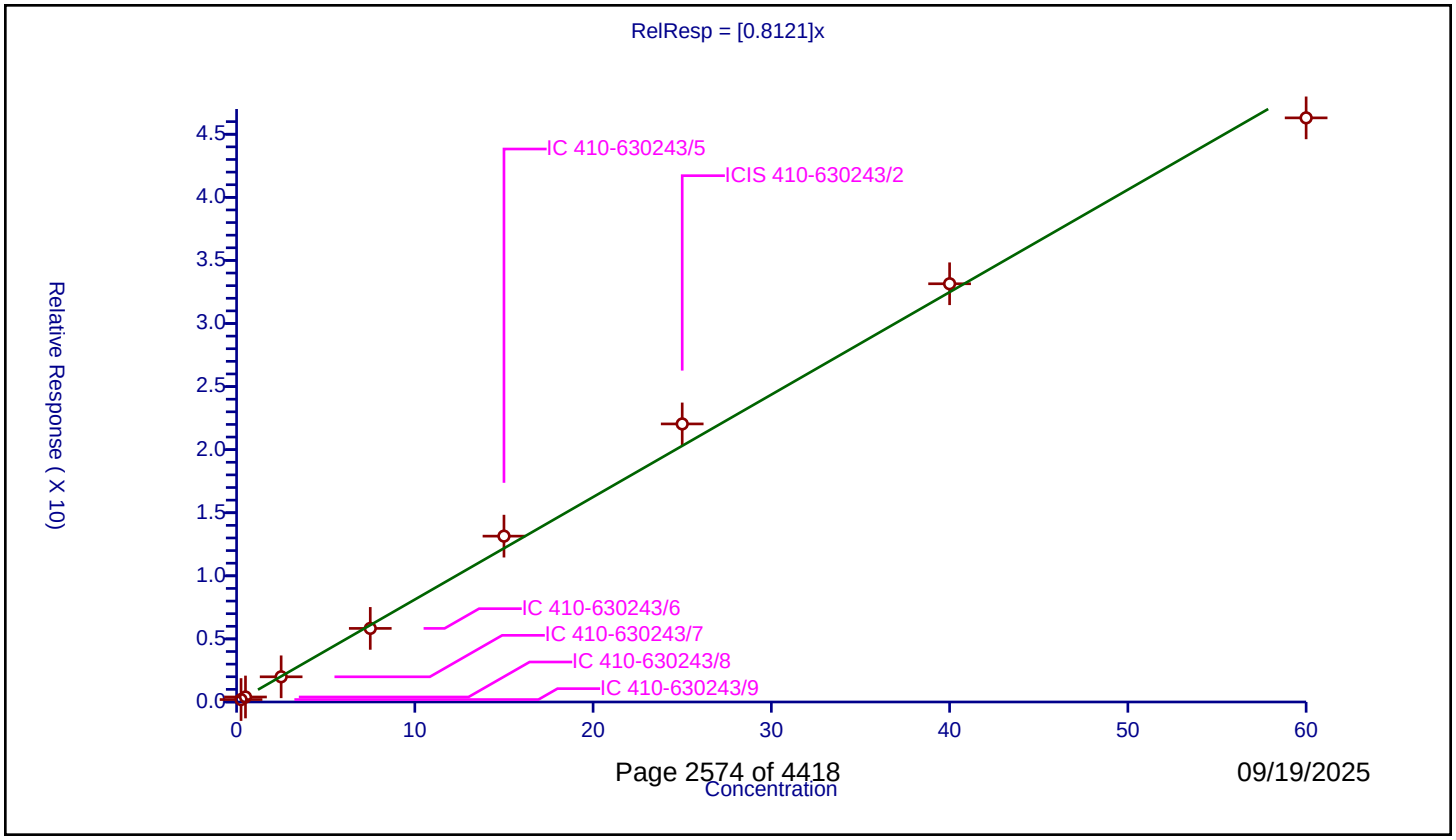
Curve Coefficients

Intercept:	0
Slope:	0.8121

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.25	0.192747	5.0	986084.0	0.770989	Y
2	IC 410-630243/8	0.5	0.395828	5.0	806600.0	0.791656	Y
3	IC 410-630243/7	2.5	1.995888	5.0	810624.0	0.798355	Y
4	IC 410-630243/6	7.5	5.831594	5.0	815410.0	0.777546	Y
5	IC 410-630243/5	15.0	13.145689	5.0	741758.0	0.876379	Y
6	ICIS 410-630243/2	25.0	22.039505	5.0	750133.0	0.88158	Y
7	IC 410-630243/4	40.0	33.149664	5.0	765515.0	0.828742	Y
8	IC 410-630243/3	60.0	46.297599	5.0	768419.0	0.771627	Y



Calibration / Famphur

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

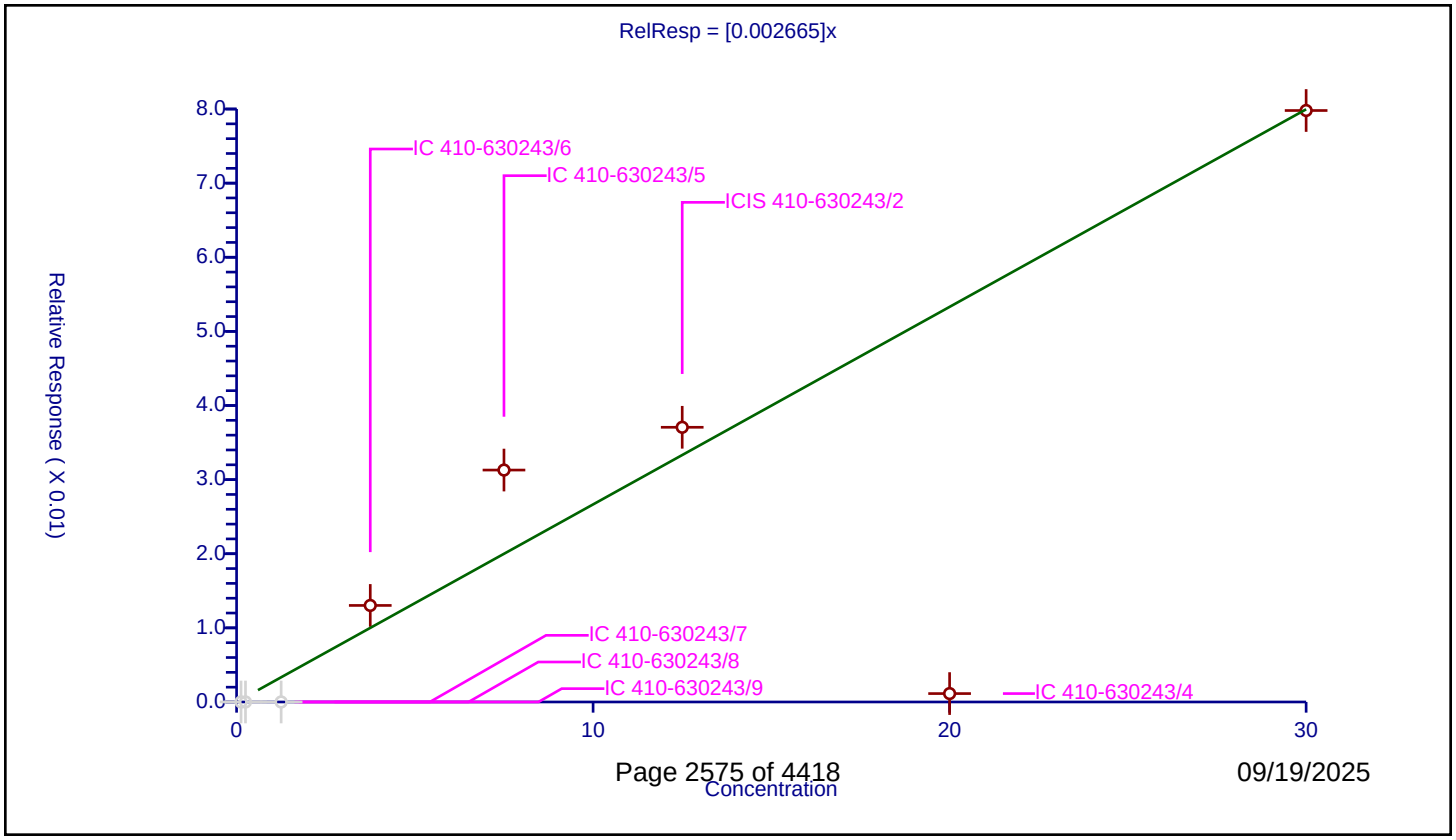
Curve Coefficients

Intercept:	0
Slope:	0.002665

Error Coefficients

Relative Standard Deviation:	58.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.0	5.0	986084.0	0.0	N
2	IC 410-630243/8	0.25	0.0	5.0	806600.0	0.0	N
3	IC 410-630243/7	1.25	0.0	5.0	810624.0	0.0	N
4	IC 410-630243/6	3.75	0.013024	5.0	815410.0	0.003473	Y
5	IC 410-630243/5	7.5	0.031291	5.0	741758.0	0.004172	Y
6	ICIS 410-630243/2	12.5	0.03706	5.0	750133.0	0.002965	Y
7	IC 410-630243/4	20.0	0.001136	5.0	765515.0	0.000057	Y
8	IC 410-630243/3	30.0	0.0798	5.0	768419.0	0.00266	Y



Calibration / p-Dimethylamino azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

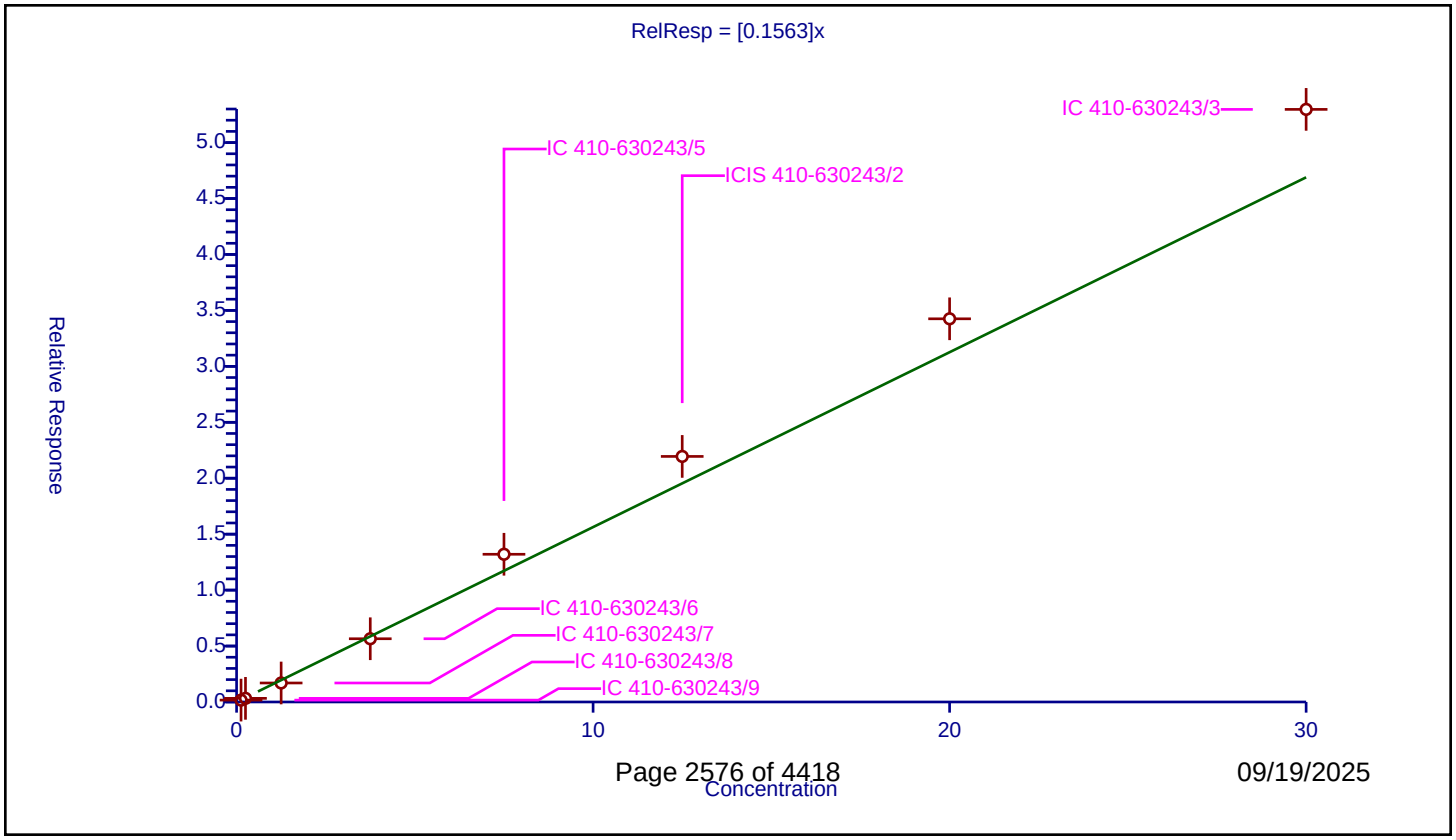
Curve Coefficients

Intercept:	0
Slope:	0.1563

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.016804	5.0	986084.0	0.134431	Y
2	IC 410-630243/8	0.25	0.032513	5.0	806600.0	0.130052	Y
3	IC 410-630243/7	1.25	0.16982	5.0	810624.0	0.135856	Y
4	IC 410-630243/6	3.75	0.565231	5.0	815410.0	0.150728	Y
5	IC 410-630243/5	7.5	1.320242	5.0	741758.0	0.176032	Y
6	ICIS 410-630243/2	12.5	2.194884	5.0	750133.0	0.175591	Y
7	IC 410-630243/4	20.0	3.424917	5.0	765515.0	0.171246	Y
8	IC 410-630243/3	30.0	5.296635	5.0	768419.0	0.176555	Y



Calibration / Chlorobenzilate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

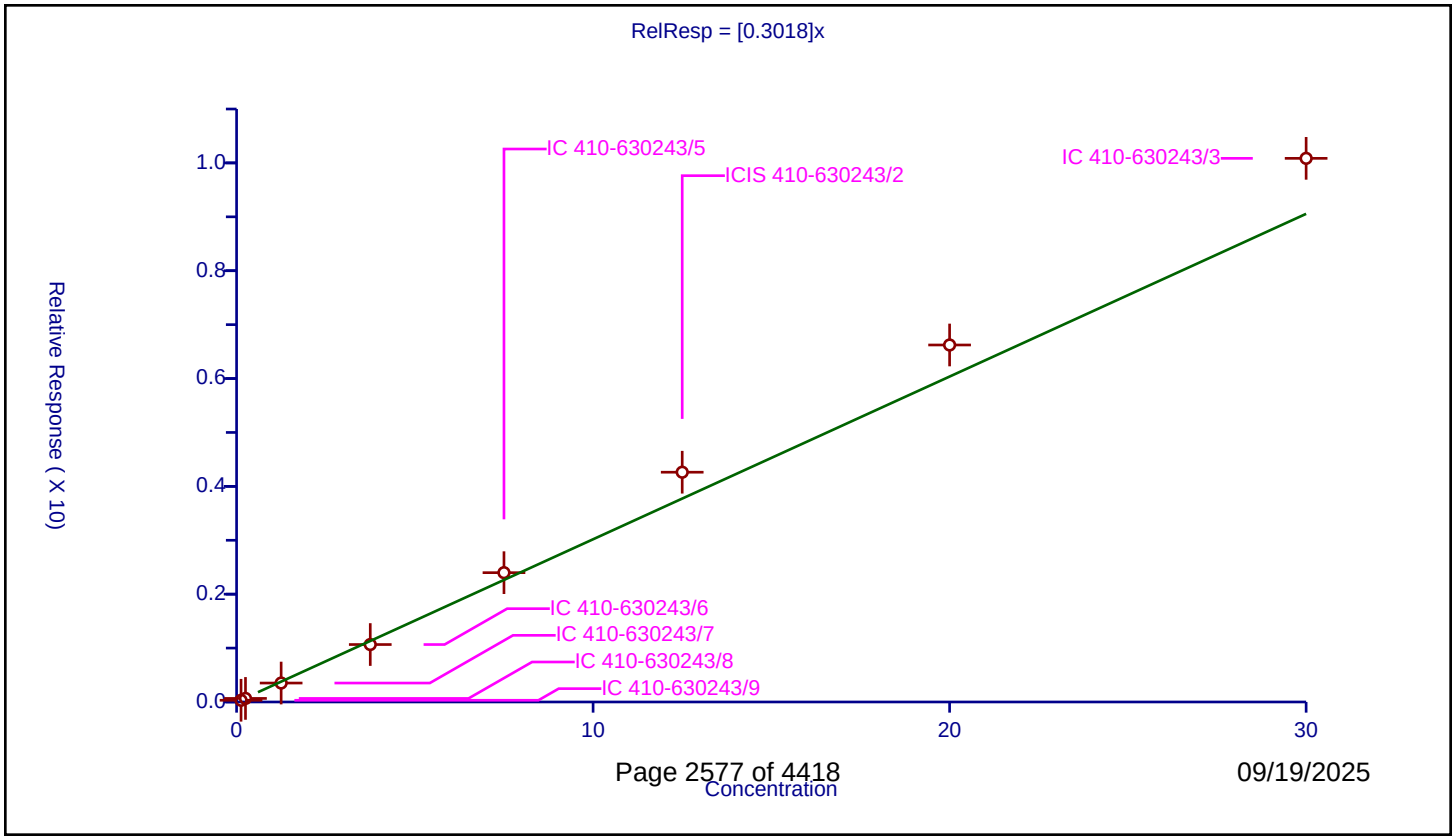
Curve Coefficients

Intercept:	0
Slope:	0.3018

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.032005	5.0	986084.0	0.256043	Y
2	IC 410-630243/8	0.25	0.066278	5.0	806600.0	0.265113	Y
3	IC 410-630243/7	1.25	0.351488	5.0	810624.0	0.281191	Y
4	IC 410-630243/6	3.75	1.065961	5.0	815410.0	0.284256	Y
5	IC 410-630243/5	7.5	2.398943	5.0	741758.0	0.319859	Y
6	ICIS 410-630243/2	12.5	4.262231	5.0	750133.0	0.340978	Y
7	IC 410-630243/4	20.0	6.622679	5.0	765515.0	0.331134	Y
8	IC 410-630243/3	30.0	10.085038	5.0	768419.0	0.336168	Y



Calibration / 3,3'-Dimethylbenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

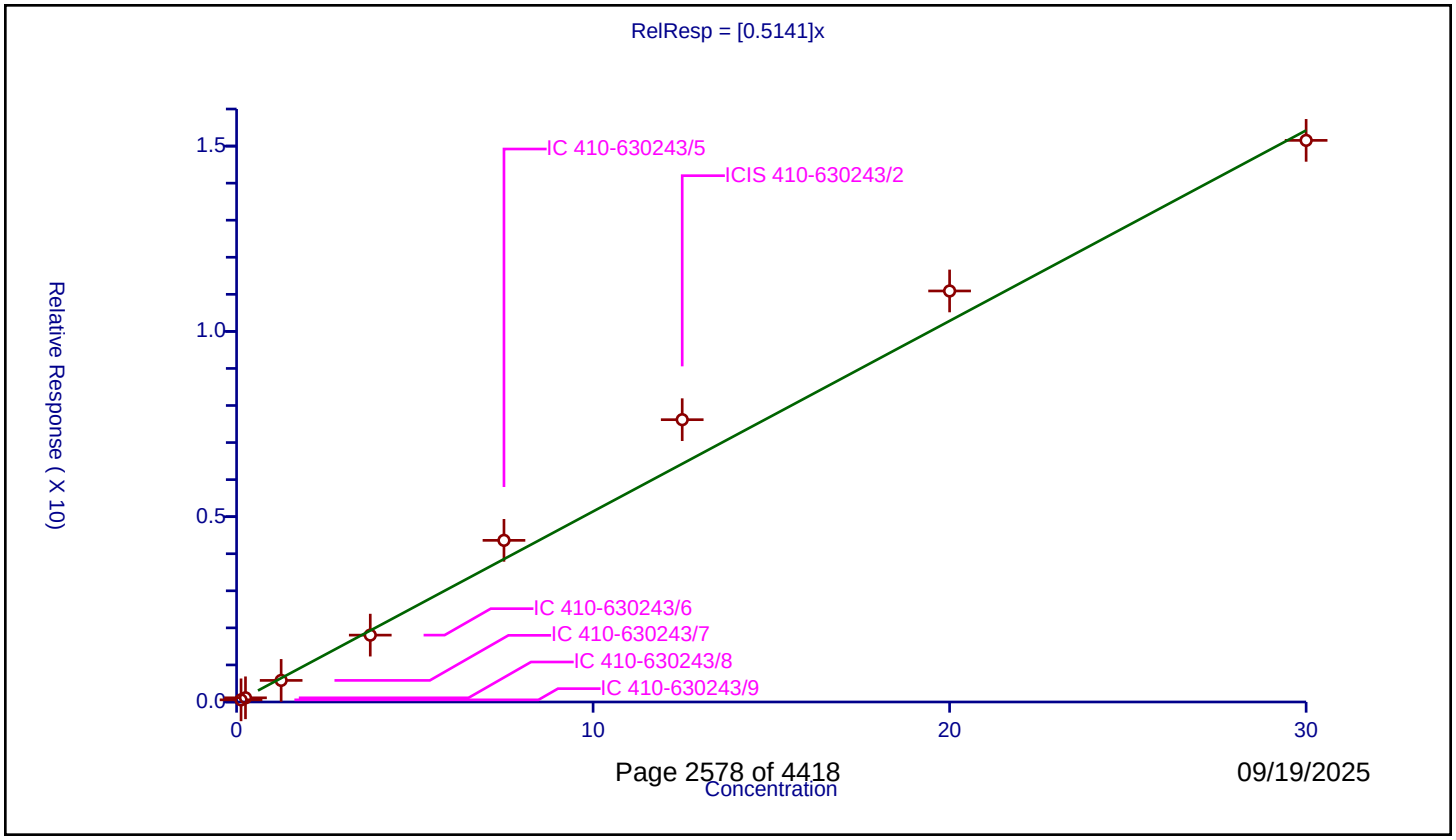
Curve Coefficients

Intercept:	0
Slope:	0.5141

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.058175	5.0	986084.0	0.465396	Y
2	IC 410-630243/8	0.25	0.112528	5.0	806600.0	0.450112	Y
3	IC 410-630243/7	1.25	0.582292	5.0	810624.0	0.465834	Y
4	IC 410-630243/6	3.75	1.804233	5.0	815410.0	0.481129	Y
5	IC 410-630243/5	7.5	4.361234	5.0	741758.0	0.581498	Y
6	ICIS 410-630243/2	12.5	7.617443	5.0	750133.0	0.609395	Y
7	IC 410-630243/4	20.0	11.090227	5.0	765515.0	0.554511	Y
8	IC 410-630243/3	30.0	15.153803	5.0	768419.0	0.505127	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

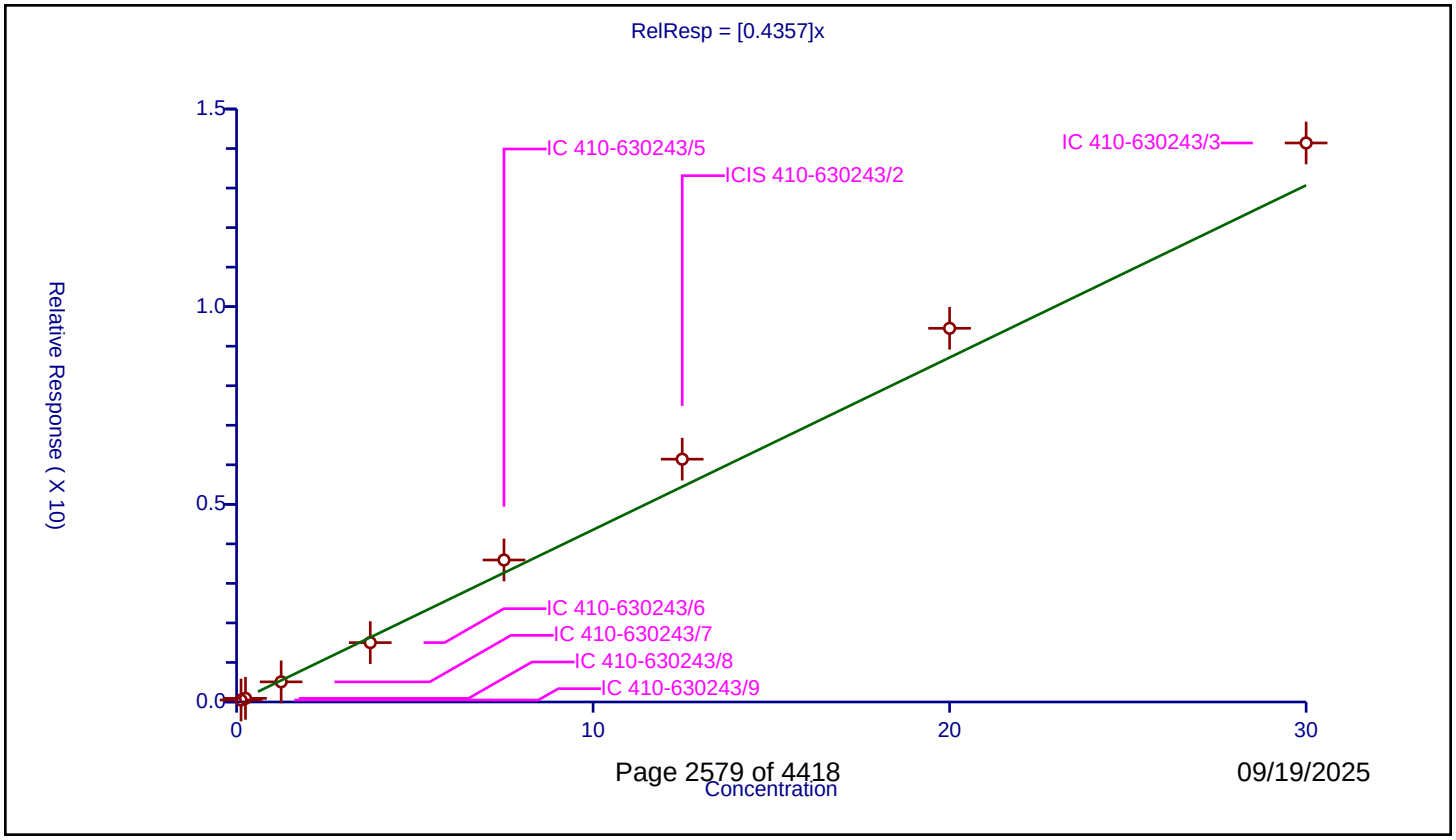
Curve Coefficients

Intercept:	0
Slope:	0.4357

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.049382	5.0	986084.0	0.395058	Y
2	IC 410-630243/8	0.25	0.092115	5.0	806600.0	0.36846	Y
3	IC 410-630243/7	1.25	0.508929	5.0	810624.0	0.407143	Y
4	IC 410-630243/6	3.75	1.502036	5.0	815410.0	0.400543	Y
5	IC 410-630243/5	7.5	3.591562	5.0	741758.0	0.478875	Y
6	ICIS 410-630243/2	12.5	6.141944	5.0	750133.0	0.491356	Y
7	IC 410-630243/4	20.0	9.453277	5.0	765515.0	0.472664	Y
8	IC 410-630243/3	30.0	14.140677	5.0	768419.0	0.471356	Y



Calibration / 2-Acetylaminofluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

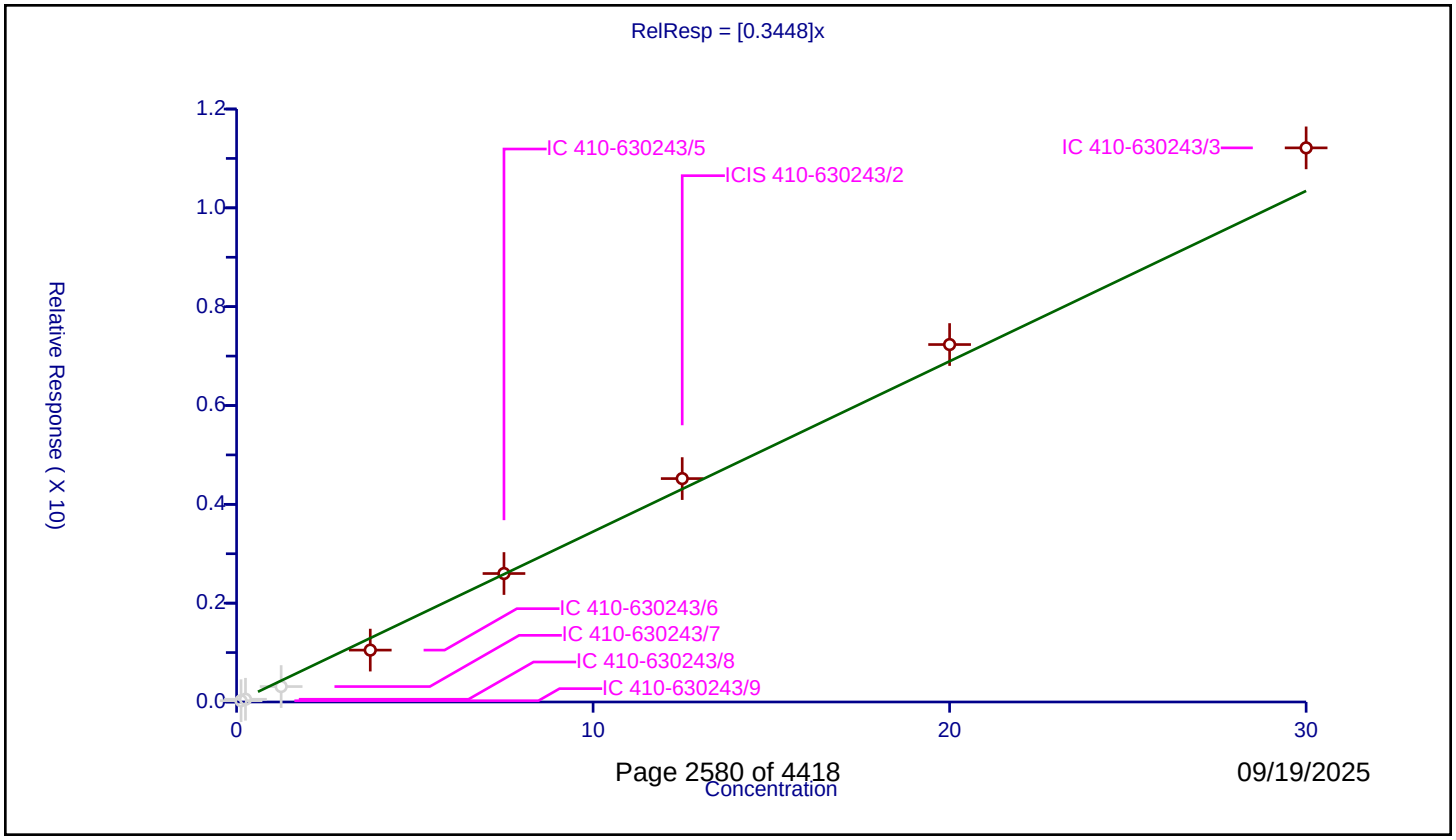
Curve Coefficients

Intercept:	0
Slope:	0.3448

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.025748	5.0	986084.0	0.205987	N
2	IC 410-630243/8	0.25	0.055548	5.0	806600.0	0.222192	N
3	IC 410-630243/7	1.25	0.312407	5.0	810624.0	0.249926	N
4	IC 410-630243/6	3.75	1.050153	5.0	815410.0	0.280041	Y
5	IC 410-630243/5	7.5	2.599514	5.0	741758.0	0.346602	Y
6	ICIS 410-630243/2	12.5	4.520772	5.0	750133.0	0.361662	Y
7	IC 410-630243/4	20.0	7.233621	5.0	765515.0	0.361681	Y
8	IC 410-630243/3	30.0	11.213693	5.0	768419.0	0.37379	Y



Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

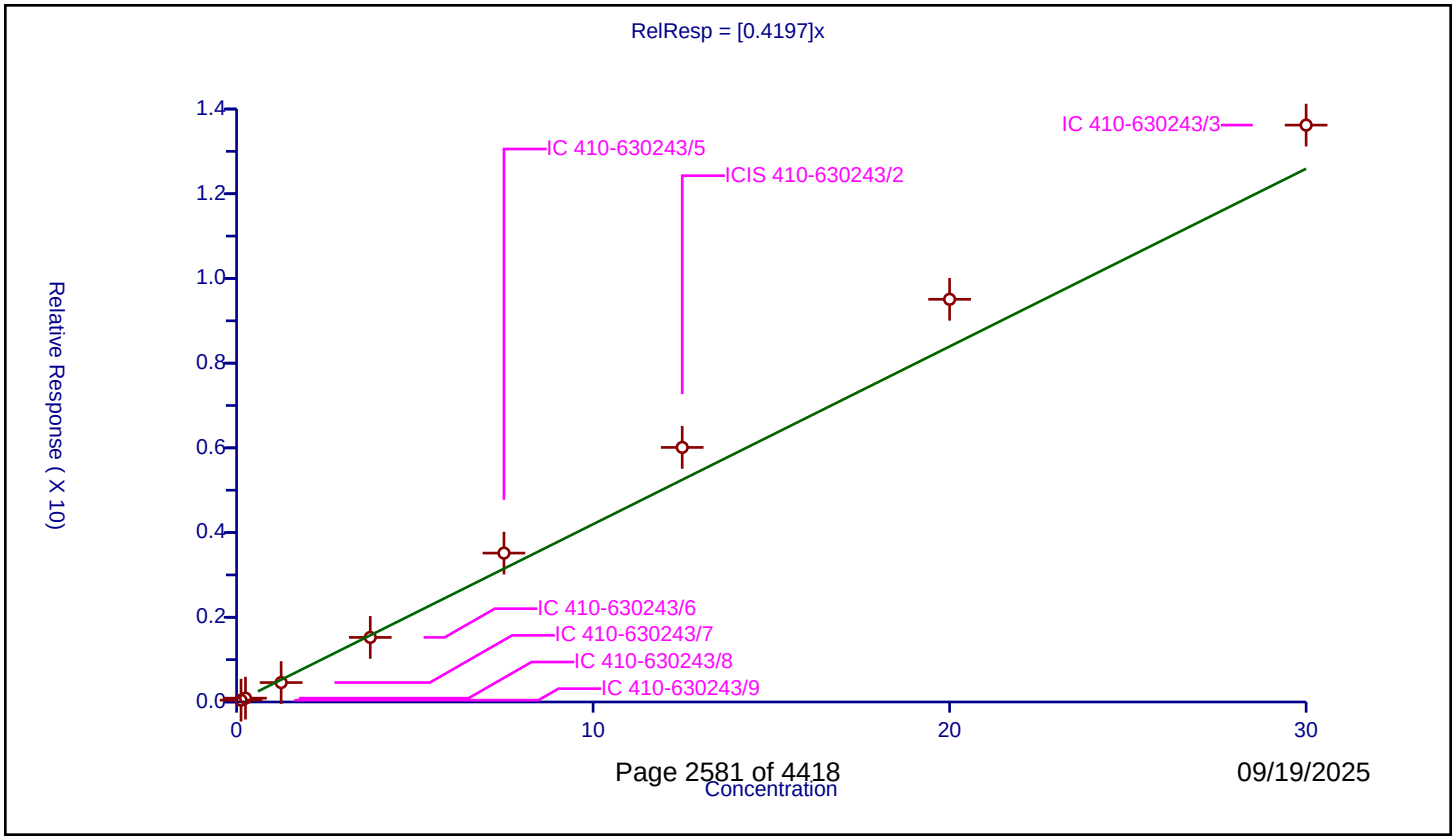
Curve Coefficients

Intercept:	0
Slope:	0.4197

Error Coefficients

Relative Standard Deviation:	13.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.042917	5.0	986084.0	0.343338	Y
2	IC 410-630243/8	0.25	0.090472	5.0	806600.0	0.361889	Y
3	IC 410-630243/7	1.25	0.458622	5.0	810624.0	0.366898	Y
4	IC 410-630243/6	3.75	1.524252	5.0	815410.0	0.406467	Y
5	IC 410-630243/5	7.5	3.515217	5.0	741758.0	0.468696	Y
6	ICIS 410-630243/2	12.5	6.010514	5.0	750133.0	0.480841	Y
7	IC 410-630243/4	20.0	9.507005	5.0	765515.0	0.47535	Y
8	IC 410-630243/3	30.0	13.620238	5.0	768419.0	0.454008	Y



09/19/2025

Calibration / 4,4'-Methylene bis(2-chloroaniline)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

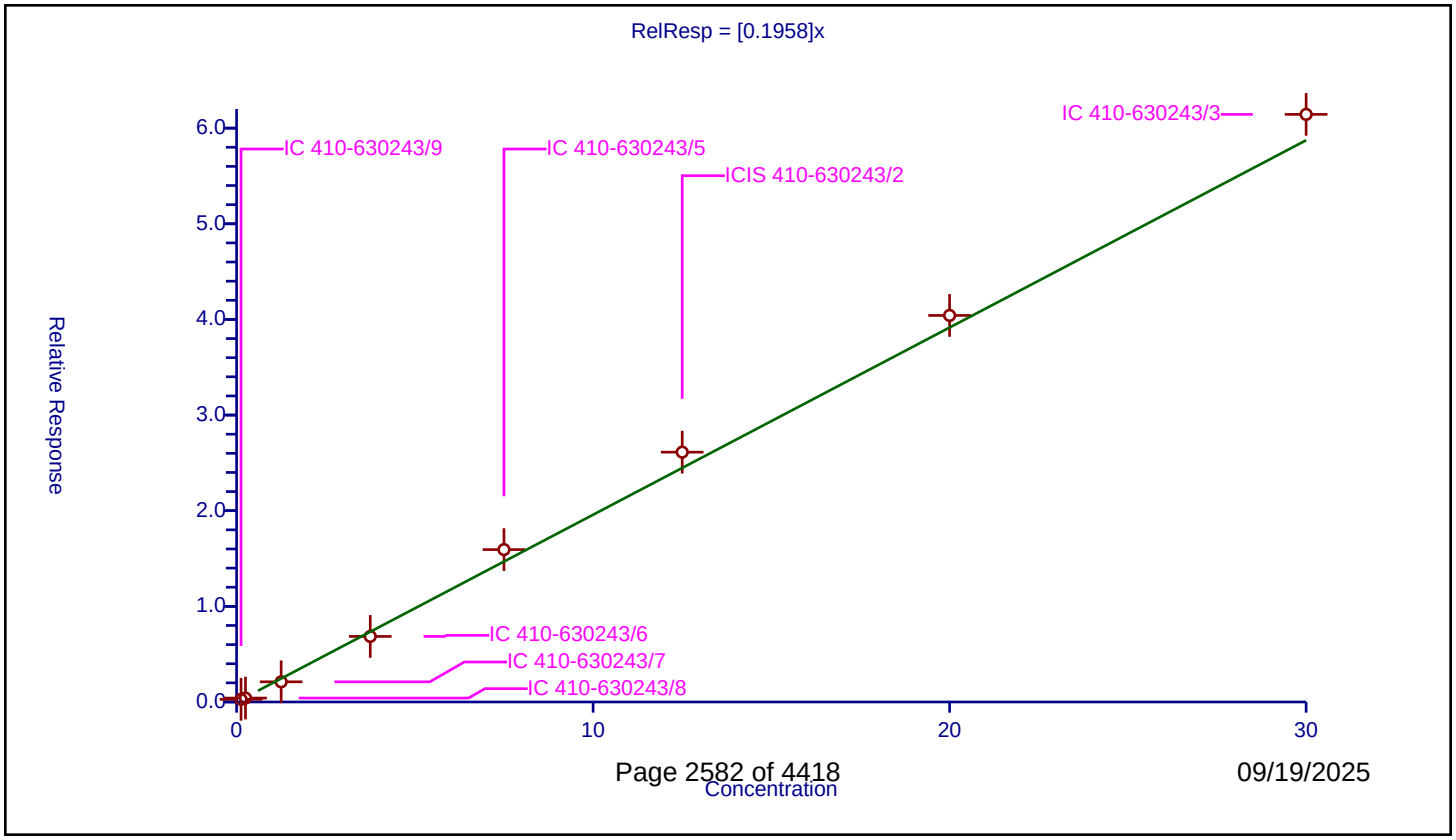
Curve Coefficients

Intercept:	0
Slope:	0.1958

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.027751	5.0	986084.0	0.222009	Y
2	IC 410-630243/8	0.25	0.041067	5.0	806600.0	0.16427	Y
3	IC 410-630243/7	1.25	0.21106	5.0	810624.0	0.168848	Y
4	IC 410-630243/6	3.75	0.68541	5.0	815410.0	0.182776	Y
5	IC 410-630243/5	7.5	1.593215	5.0	741758.0	0.212429	Y
6	ICIS 410-630243/2	12.5	2.61203	5.0	750133.0	0.208962	Y
7	IC 410-630243/4	20.0	4.041763	5.0	765515.0	0.202088	Y
8	IC 410-630243/3	30.0	6.143849	5.0	768419.0	0.204795	Y



Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

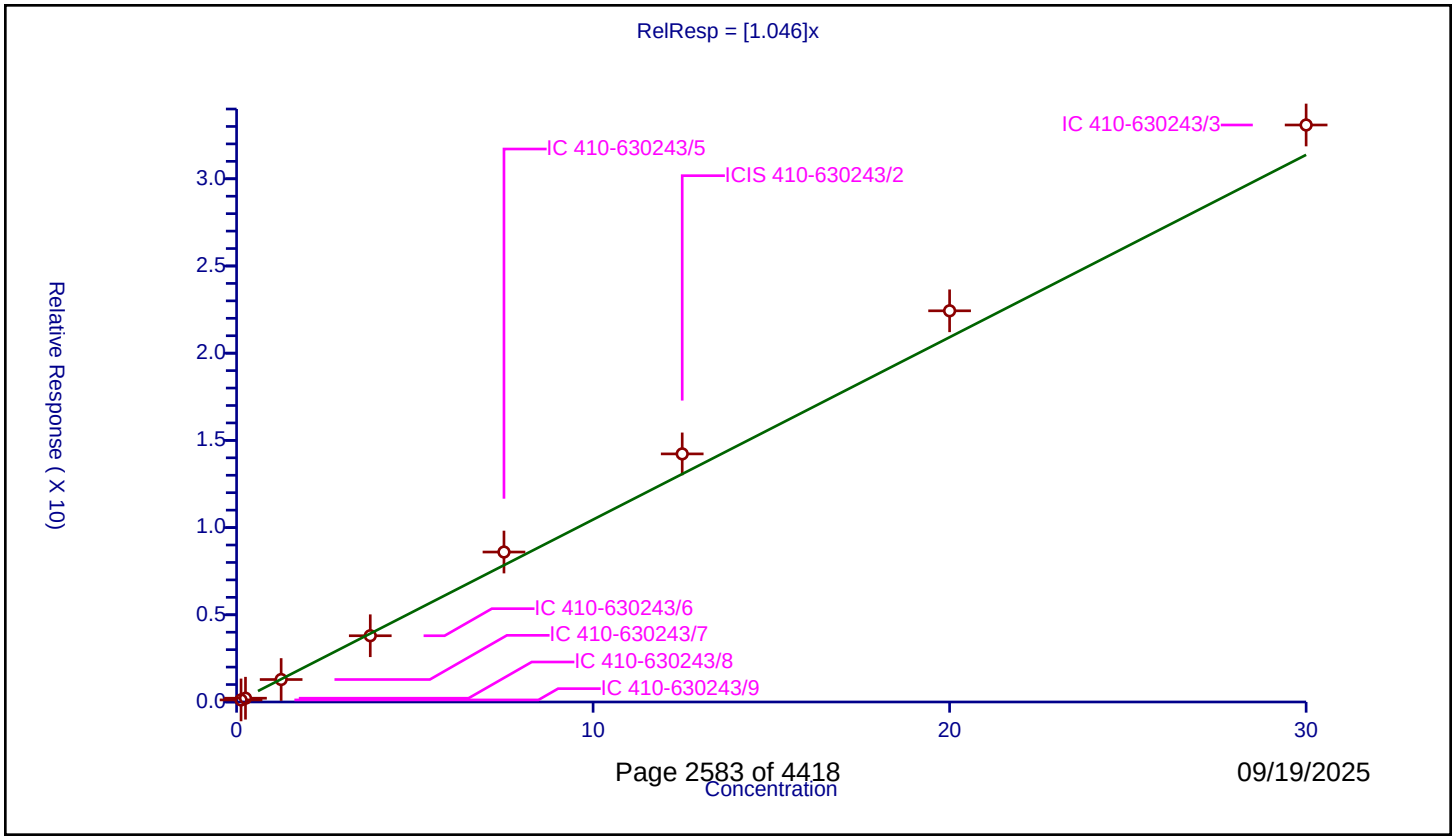
Curve Coefficients

Intercept:	0
Slope:	1.046

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.118935	5.0	986084.0	0.951481	Y
2	IC 410-630243/8	0.25	0.215658	5.0	806600.0	0.862633	Y
3	IC 410-630243/7	1.25	1.287773	5.0	810624.0	1.030219	Y
4	IC 410-630243/6	3.75	3.798169	5.0	815410.0	1.012845	Y
5	IC 410-630243/5	7.5	8.599065	5.0	741758.0	1.146542	Y
6	ICIS 410-630243/2	12.5	14.225424	5.0	750133.0	1.138034	Y
7	IC 410-630243/4	20.0	22.429195	5.0	765515.0	1.12146	Y
8	IC 410-630243/3	30.0	33.083448	5.0	768419.0	1.102782	Y



09/19/2025

Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

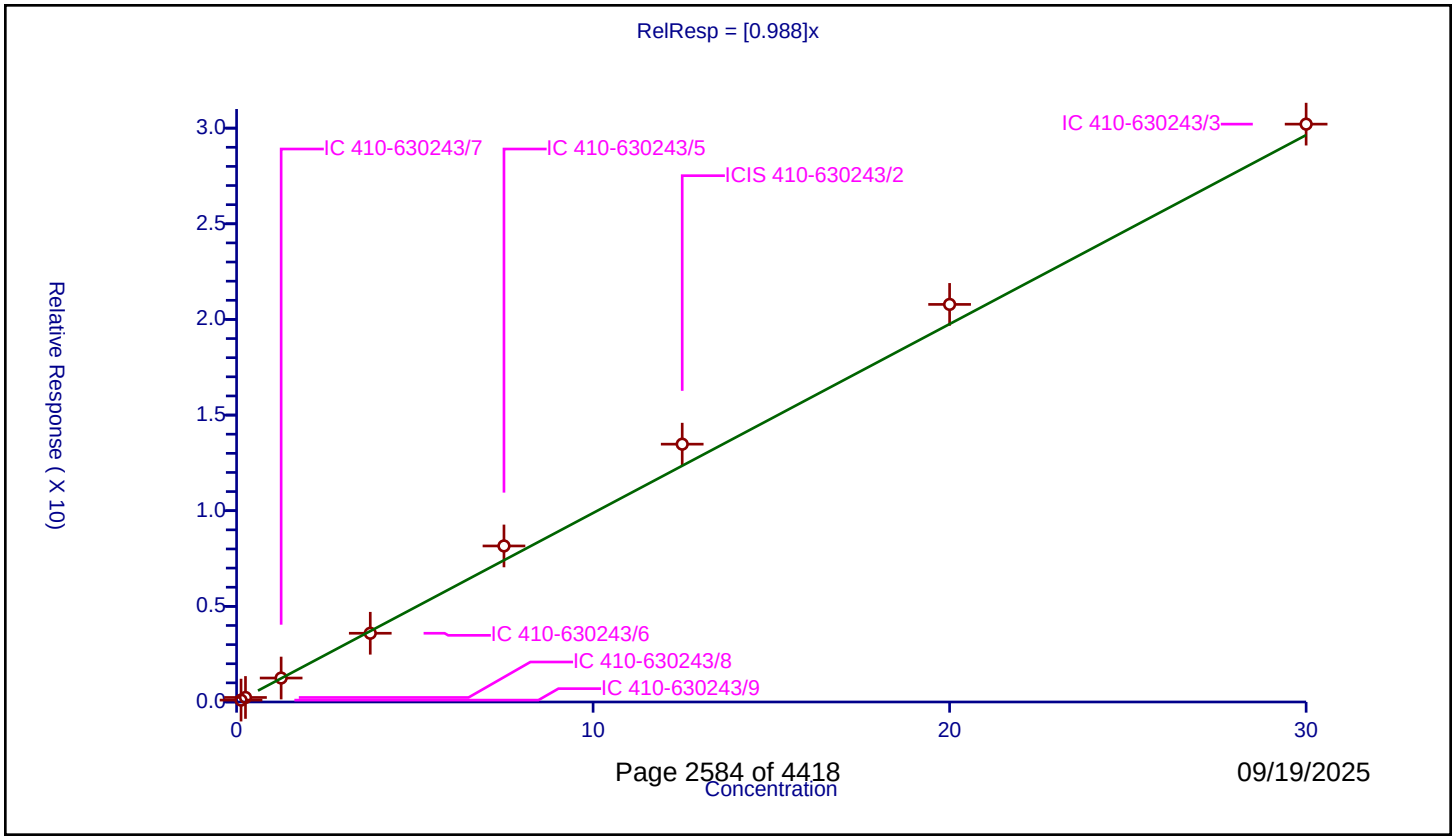
Curve Coefficients

Intercept:	0
Slope:	0.988

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.098181	5.0	986084.0	0.78545	Y
2	IC 410-630243/8	0.25	0.236406	5.0	806600.0	0.945624	Y
3	IC 410-630243/7	1.25	1.252862	5.0	810624.0	1.00229	Y
4	IC 410-630243/6	3.75	3.592916	5.0	815410.0	0.958111	Y
5	IC 410-630243/5	7.5	8.157236	5.0	741758.0	1.087631	Y
6	ICIS 410-630243/2	12.5	13.478643	5.0	750133.0	1.078291	Y
7	IC 410-630243/4	20.0	20.785021	5.0	765515.0	1.039251	Y
8	IC 410-630243/3	30.0	30.209118	5.0	768419.0	1.006971	Y



Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

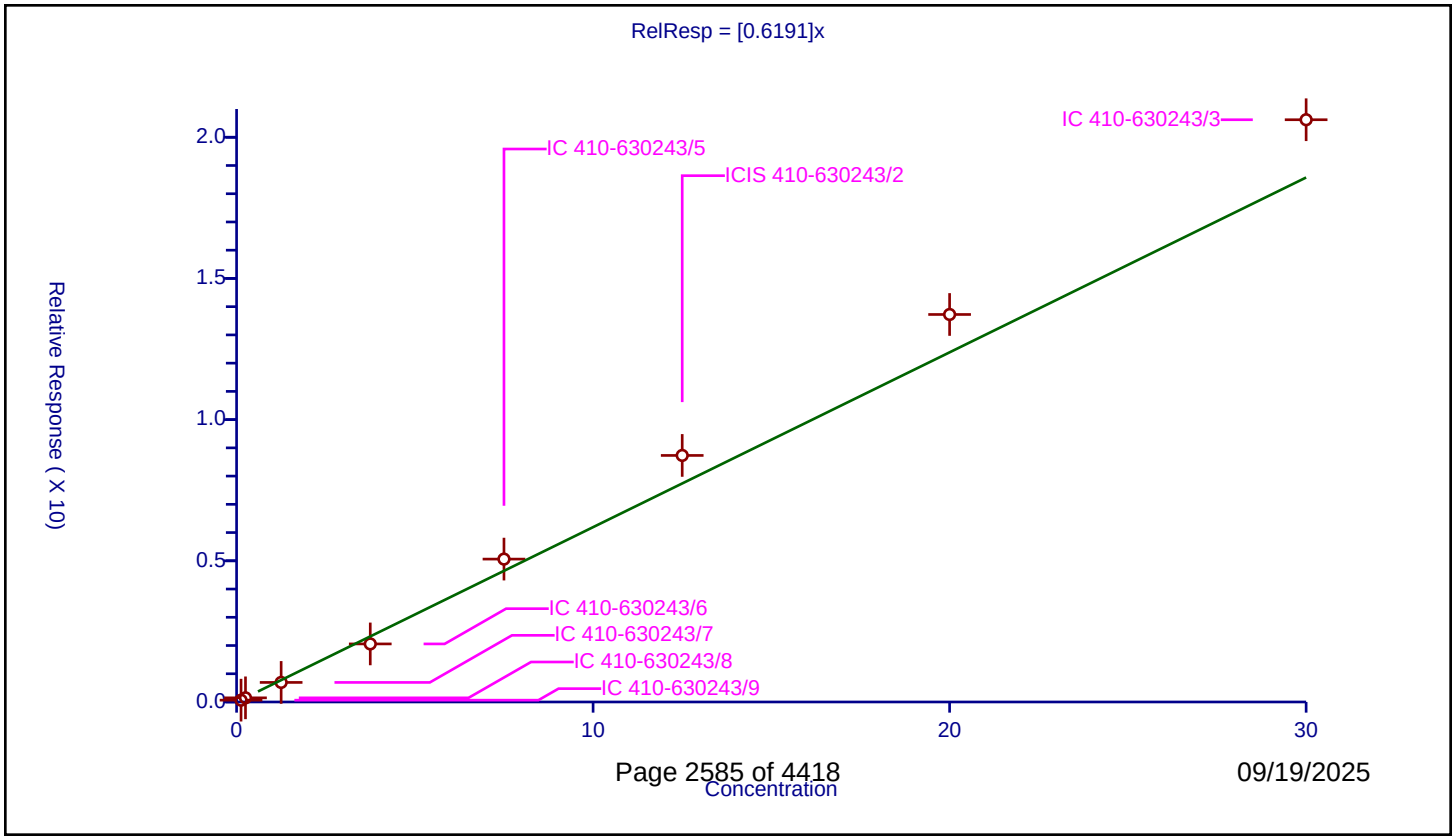
Curve Coefficients

Intercept:	0
Slope:	0.6191

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.064553	5.0	986084.0	0.516427	Y
2	IC 410-630243/8	0.25	0.146925	5.0	806600.0	0.587701	Y
3	IC 410-630243/7	1.25	0.692362	5.0	810624.0	0.553889	Y
4	IC 410-630243/6	3.75	2.056511	5.0	815410.0	0.548403	Y
5	IC 410-630243/5	7.5	5.060606	5.0	741758.0	0.674747	Y
6	ICIS 410-630243/2	12.5	8.730958	5.0	750133.0	0.698477	Y
7	IC 410-630243/4	20.0	13.723683	5.0	765515.0	0.686184	Y
8	IC 410-630243/3	30.0	20.619948	5.0	768419.0	0.687332	Y



09/19/2025

Calibration / 6-Methylchrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

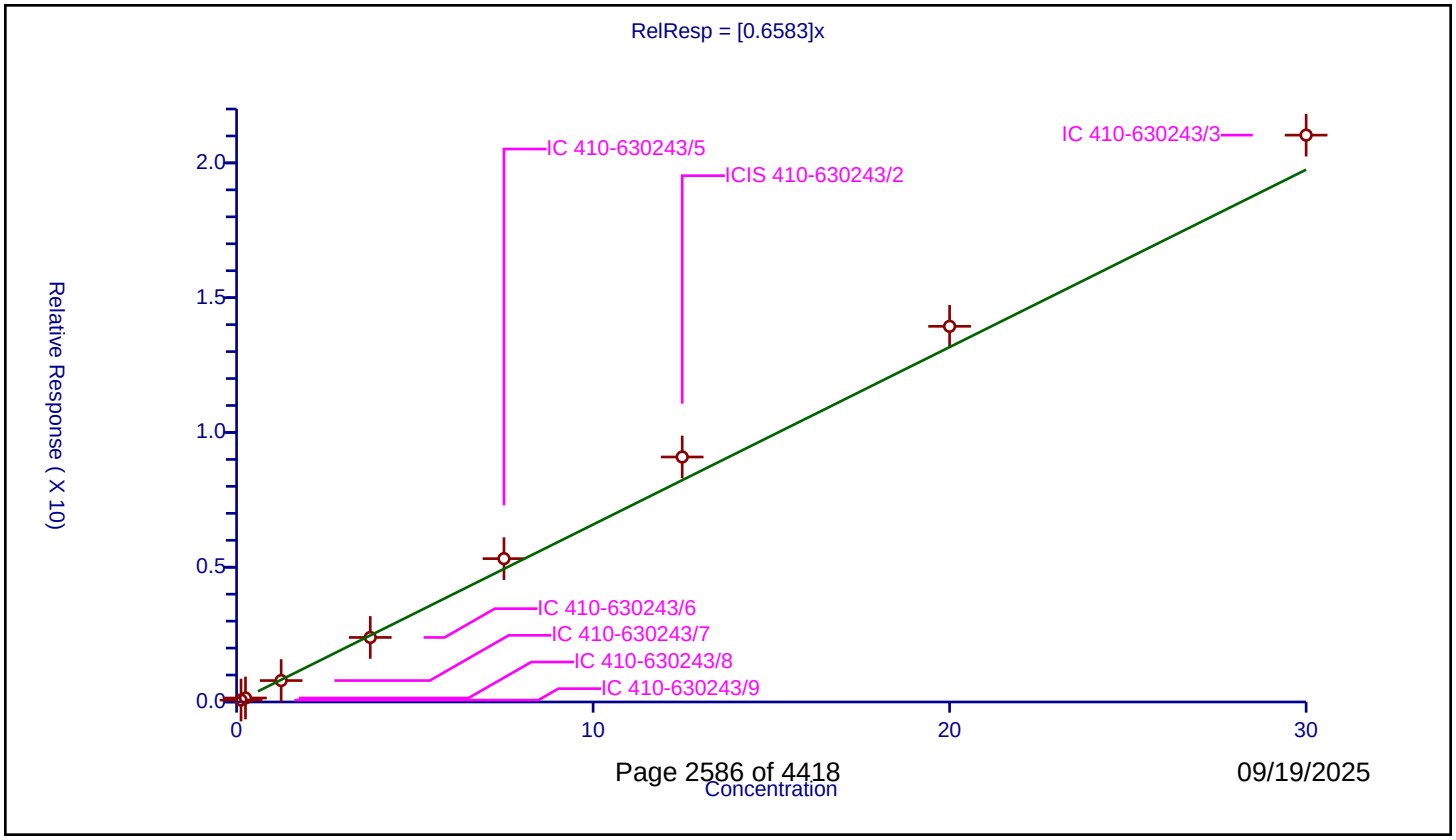
Curve Coefficients

Intercept:	0
Slope:	0.6583

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.070826	5.0	986084.0	0.566605	Y
2	IC 410-630243/8	0.25	0.147793	5.0	806600.0	0.591173	Y
3	IC 410-630243/7	1.25	0.79511	5.0	810624.0	0.636088	Y
4	IC 410-630243/6	3.75	2.394728	5.0	815410.0	0.638594	Y
5	IC 410-630243/5	7.5	5.318096	5.0	741758.0	0.709079	Y
6	ICIS 410-630243/2	12.5	9.089495	5.0	750133.0	0.72716	Y
7	IC 410-630243/4	20.0	13.937447	5.0	765515.0	0.696872	Y
8	IC 410-630243/3	30.0	21.031046	5.0	768419.0	0.701035	Y



Calibration / Di-n-octyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

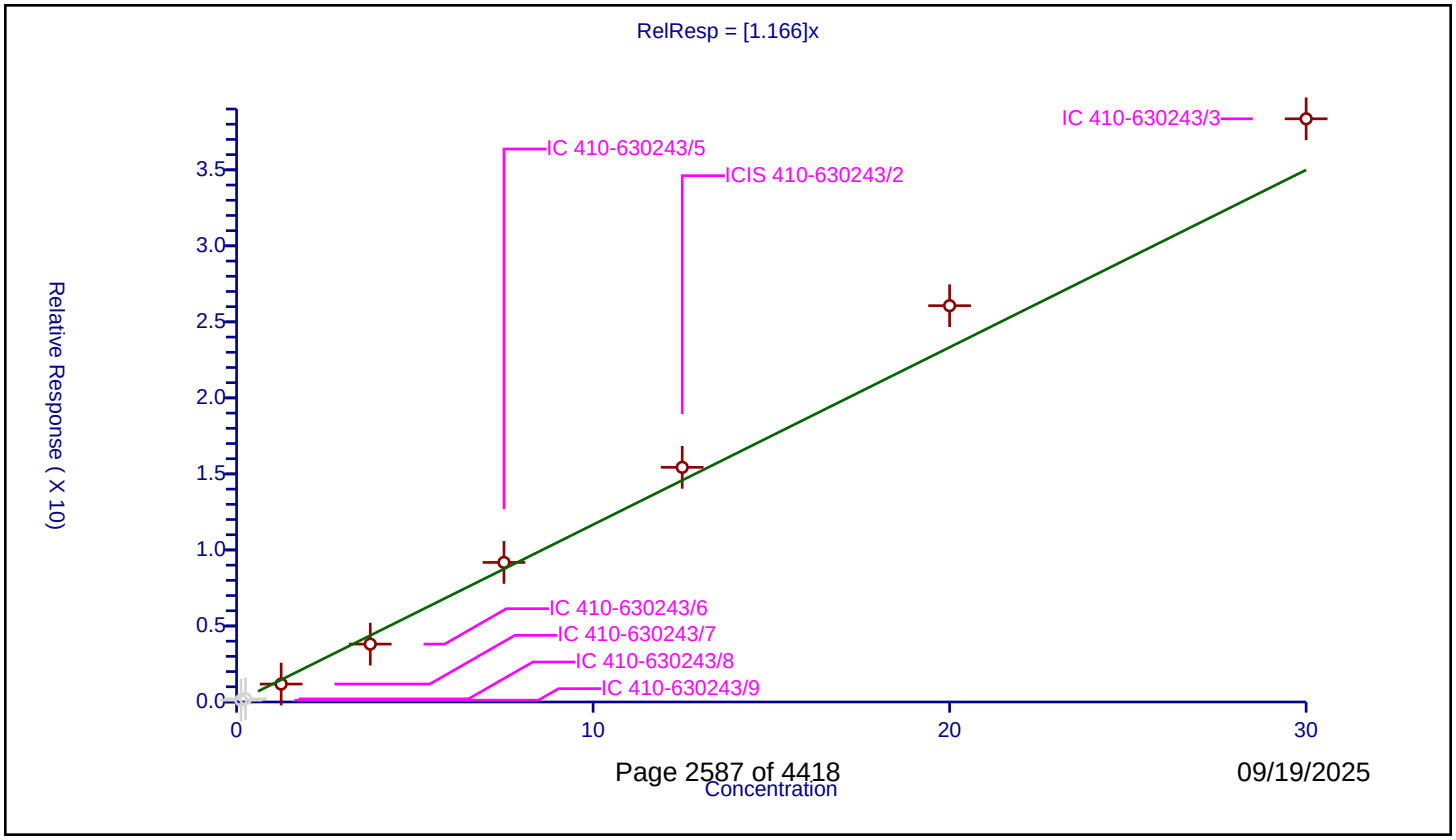
Curve Coefficients

Intercept:	0
Slope:	1.166

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.118948	5.0	727332.0	0.951587	N
2	IC 410-630243/8	0.25	0.206551	5.0	653641.0	0.826203	N
3	IC 410-630243/7	1.25	1.178881	5.0	702645.0	0.943105	Y
4	IC 410-630243/6	3.75	3.807152	5.0	701749.0	1.01524	Y
5	IC 410-630243/5	7.5	9.179331	5.0	655441.0	1.223911	Y
6	ICIS 410-630243/2	12.5	15.433192	5.0	678187.0	1.234655	Y
7	IC 410-630243/4	20.0	26.064396	5.0	662390.0	1.30322	Y
8	IC 410-630243/3	30.0	38.356729	5.0	691298.0	1.278558	Y



Calibration / 7,12-Dimethylbenz(a)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

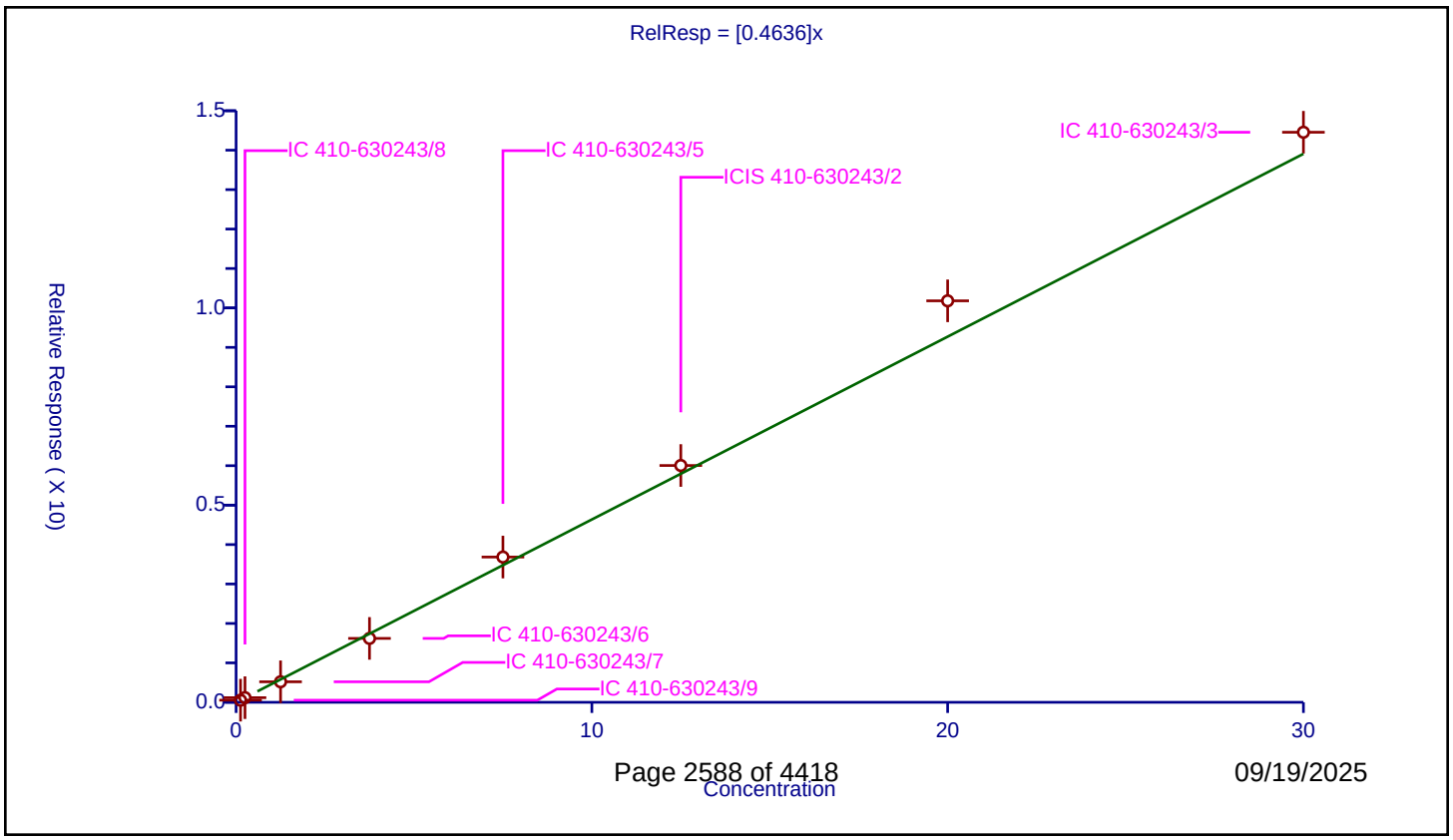
Curve Coefficients

Intercept:	0
Slope:	0.4636

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.053408	5.0	727332.0	0.42726	Y
2	IC 410-630243/8	0.25	0.117542	5.0	653641.0	0.470166	Y
3	IC 410-630243/7	1.25	0.520747	5.0	702645.0	0.416597	Y
4	IC 410-630243/6	3.75	1.620615	5.0	701749.0	0.432164	Y
5	IC 410-630243/5	7.5	3.683581	5.0	655441.0	0.491144	Y
6	ICIS 410-630243/2	12.5	6.004598	5.0	678187.0	0.480368	Y
7	IC 410-630243/4	20.0	10.18037	5.0	662390.0	0.509018	Y
8	IC 410-630243/3	30.0	14.454823	5.0	691298.0	0.481827	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

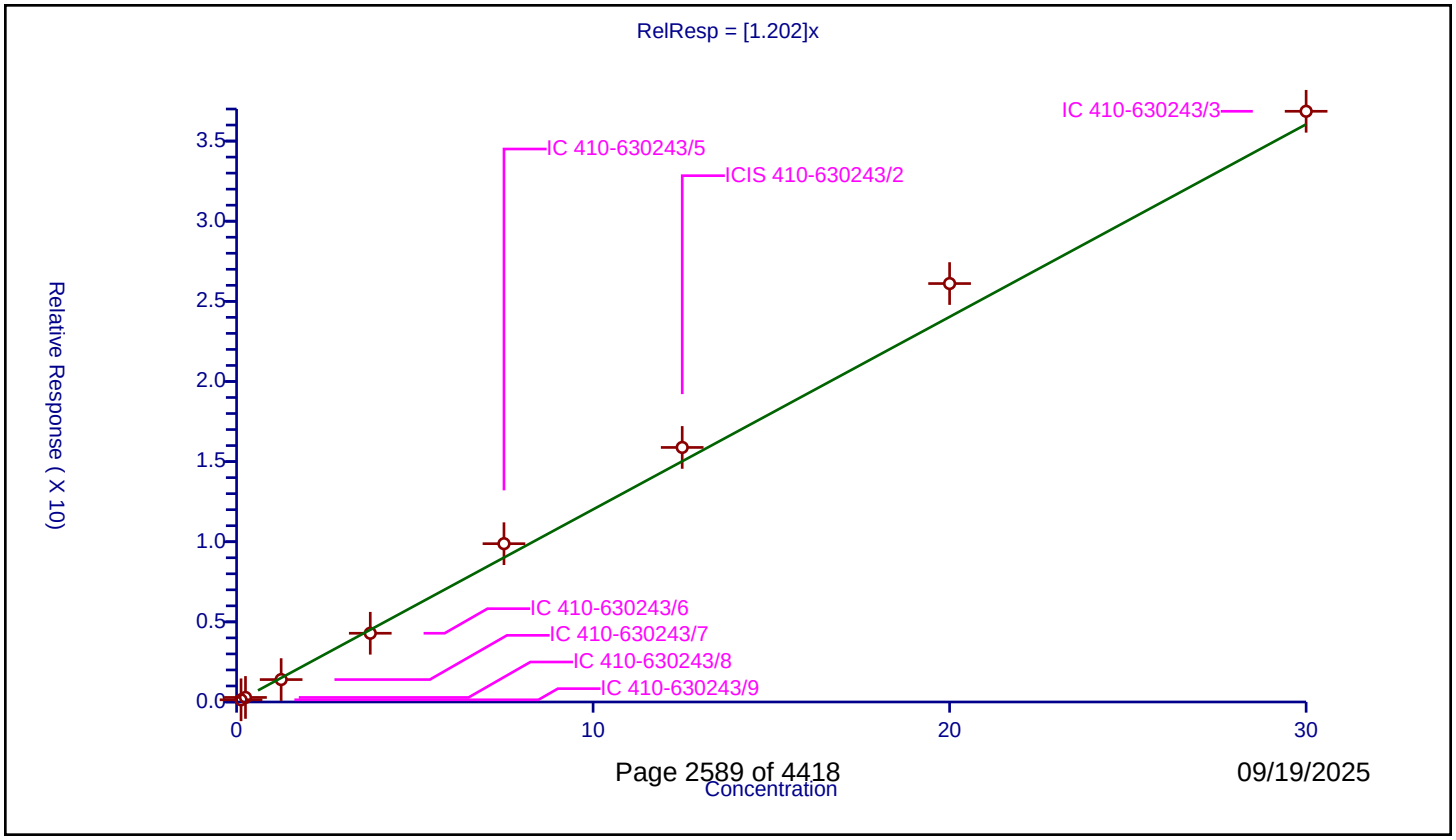
Curve Coefficients

Intercept:	0
Slope:	1.202

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.136966	5.0	727332.0	1.095731	Y
2	IC 410-630243/8	0.25	0.283122	5.0	653641.0	1.132487	Y
3	IC 410-630243/7	1.25	1.398238	5.0	702645.0	1.11859	Y
4	IC 410-630243/6	3.75	4.289076	5.0	701749.0	1.143754	Y
5	IC 410-630243/5	7.5	9.878708	5.0	655441.0	1.317161	Y
6	ICIS 410-630243/2	12.5	15.883576	5.0	678187.0	1.270686	Y
7	IC 410-630243/4	20.0	26.108818	5.0	662390.0	1.305441	Y
8	IC 410-630243/3	30.0	36.858157	5.0	691298.0	1.228605	Y



Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

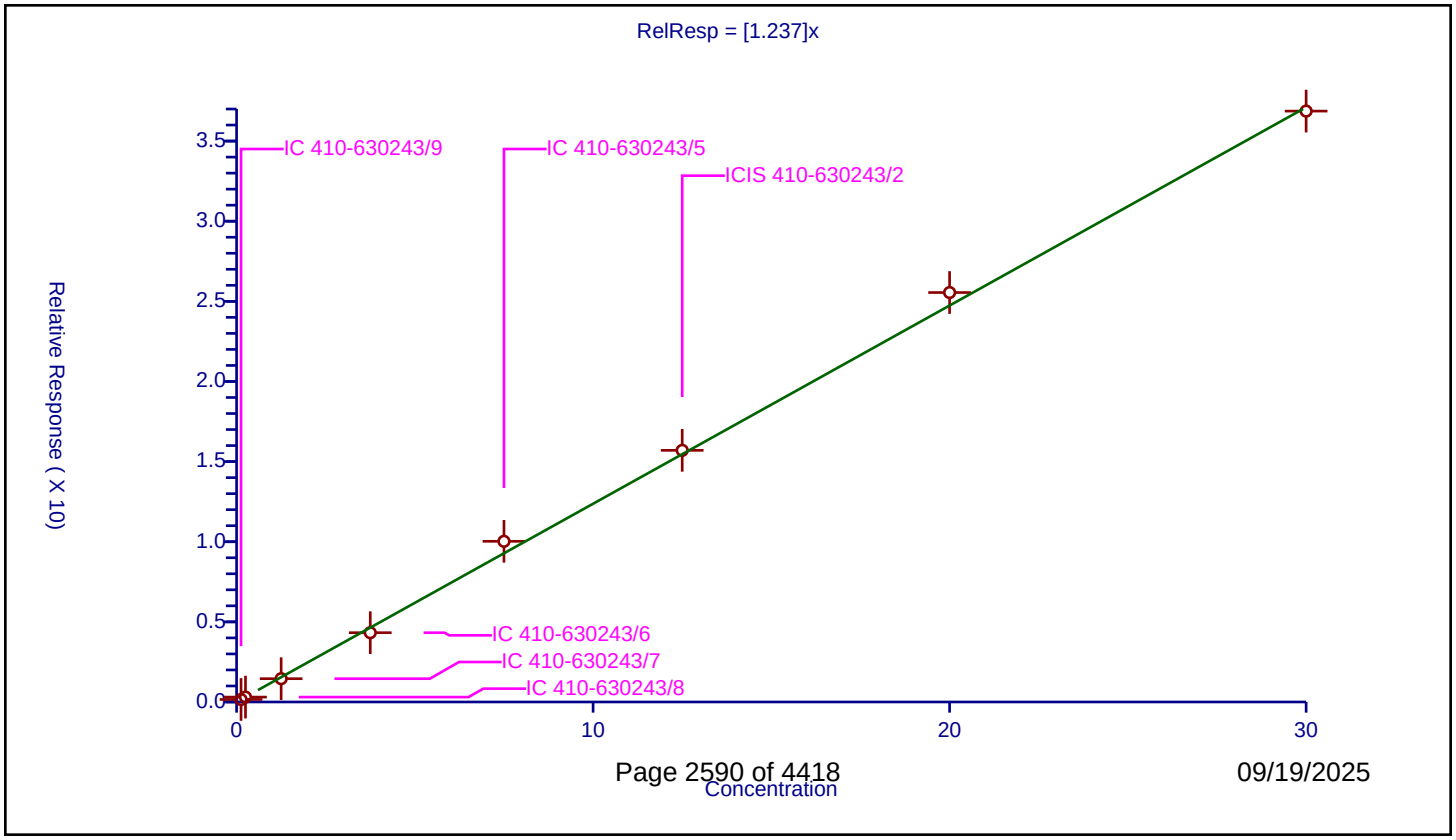
Curve Coefficients

Intercept:	0
Slope:	1.237

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.157713	5.0	727332.0	1.261707	Y
2	IC 410-630243/8	0.25	0.304601	5.0	653641.0	1.218406	Y
3	IC 410-630243/7	1.25	1.453188	5.0	702645.0	1.16255	Y
4	IC 410-630243/6	3.75	4.323383	5.0	701749.0	1.152902	Y
5	IC 410-630243/5	7.5	10.02541	5.0	655441.0	1.336721	Y
6	ICIS 410-630243/2	12.5	15.701857	5.0	678187.0	1.256149	Y
7	IC 410-630243/4	20.0	25.548567	5.0	662390.0	1.277428	Y
8	IC 410-630243/3	30.0	36.870669	5.0	691298.0	1.229022	Y



Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

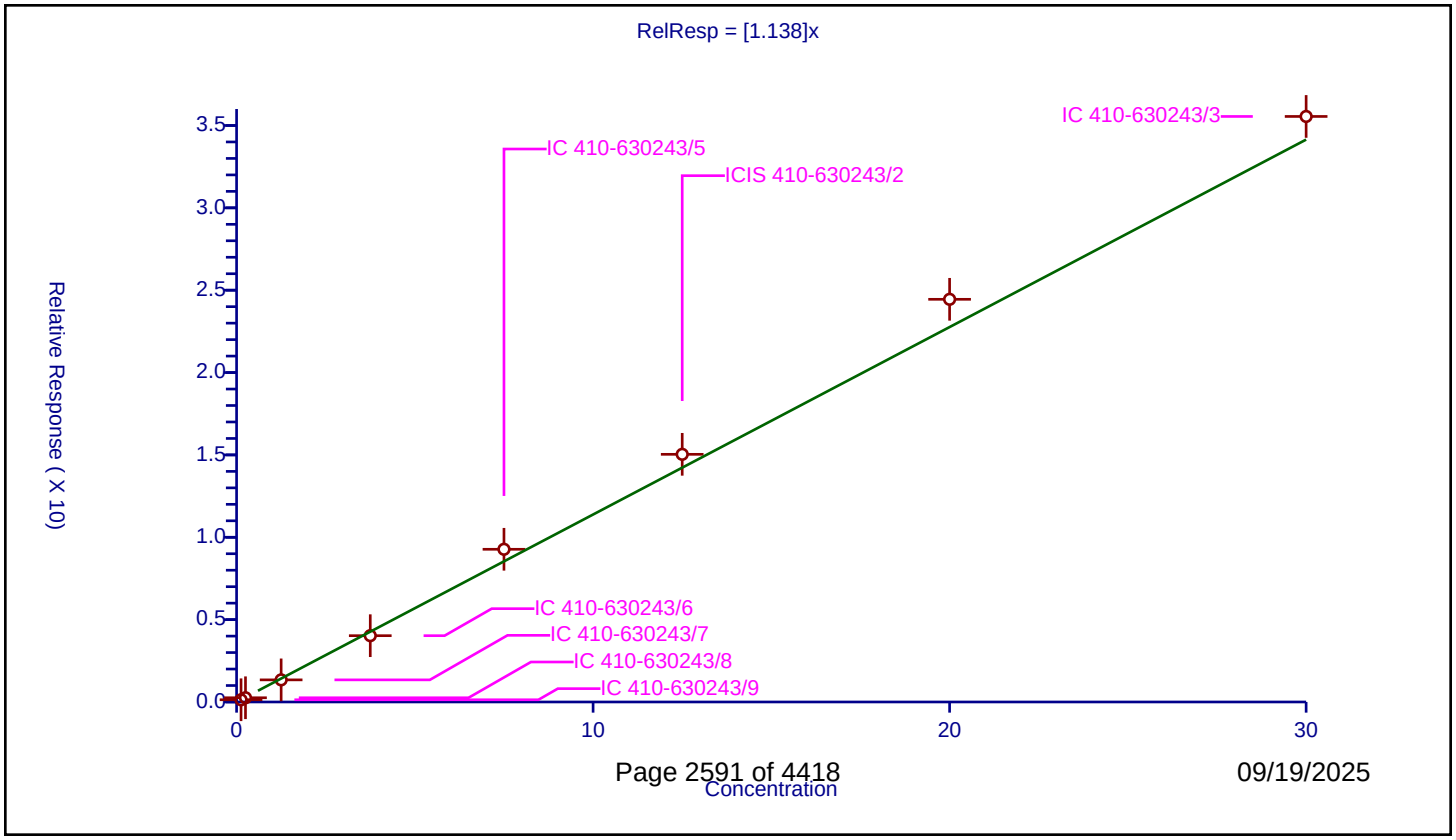
Curve Coefficients

Intercept:	0
Slope:	1.138

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.135901	5.0	727332.0	1.087206	Y
2	IC 410-630243/8	0.25	0.255989	5.0	653641.0	1.023957	Y
3	IC 410-630243/7	1.25	1.342449	5.0	702645.0	1.073959	Y
4	IC 410-630243/6	3.75	4.025057	5.0	701749.0	1.073349	Y
5	IC 410-630243/5	7.5	9.271132	5.0	655441.0	1.236151	Y
6	ICIS 410-630243/2	12.5	15.035521	5.0	678187.0	1.202842	Y
7	IC 410-630243/4	20.0	24.447425	5.0	662390.0	1.222371	Y
8	IC 410-630243/3	30.0	35.549003	5.0	691298.0	1.184967	Y



09/19/2025

Calibration / 3-Methylcholanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

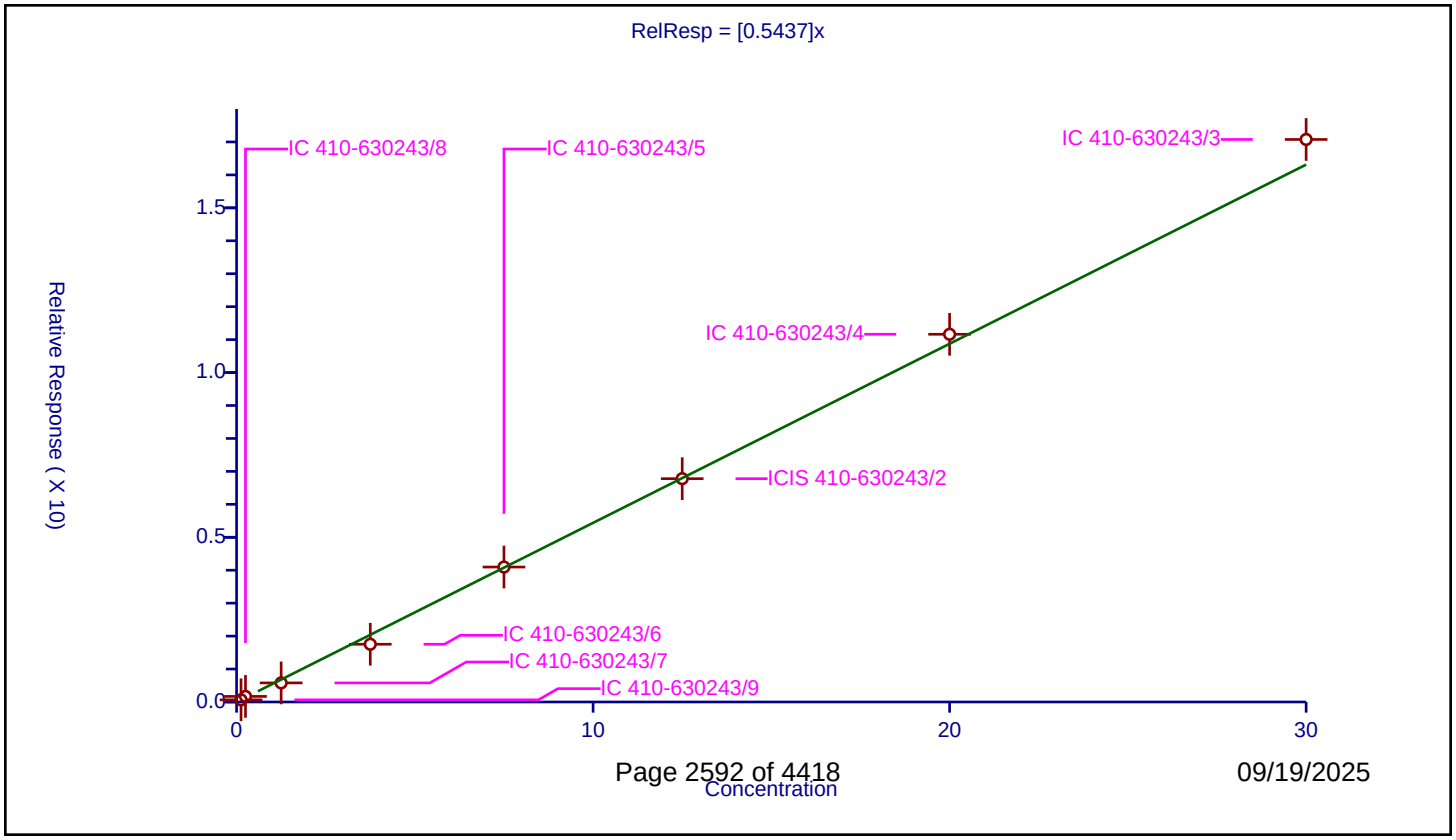
Curve Coefficients

Intercept:	0
Slope:	0.5437

Error Coefficients

Relative Standard Deviation:	12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.065431	5.0	727332.0	0.523447	Y
2	IC 410-630243/8	0.25	0.169925	5.0	653641.0	0.6797	Y
3	IC 410-630243/7	1.25	0.579503	5.0	702645.0	0.463603	Y
4	IC 410-630243/6	3.75	1.752706	5.0	701749.0	0.467388	Y
5	IC 410-630243/5	7.5	4.096059	5.0	655441.0	0.546141	Y
6	ICIS 410-630243/2	12.5	6.778639	5.0	678187.0	0.542291	Y
7	IC 410-630243/4	20.0	11.162329	5.0	662390.0	0.558116	Y
8	IC 410-630243/3	30.0	17.075212	5.0	691298.0	0.569174	Y



Calibration / Dibenz[a,h]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

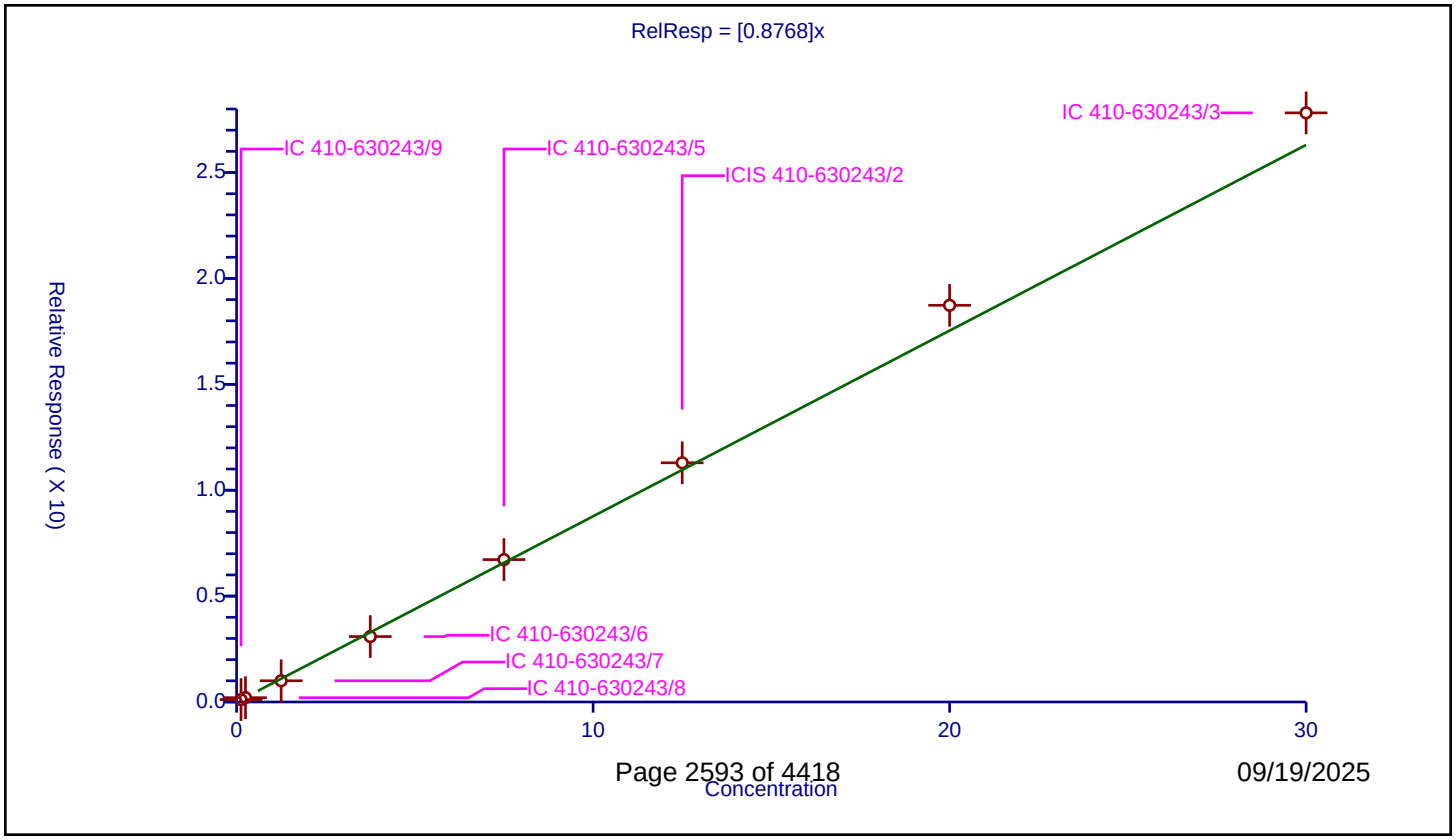
Curve Coefficients

Intercept:	0
Slope:	0.8768

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.113985	5.0	727332.0	0.911881	Y
2	IC 410-630243/8	0.25	0.203445	5.0	653641.0	0.81378	Y
3	IC 410-630243/7	1.25	1.001046	5.0	702645.0	0.800837	Y
4	IC 410-630243/6	3.75	3.089894	5.0	701749.0	0.823972	Y
5	IC 410-630243/5	7.5	6.723801	5.0	655441.0	0.896507	Y
6	ICIS 410-630243/2	12.5	11.294083	5.0	678187.0	0.903527	Y
7	IC 410-630243/4	20.0	18.732627	5.0	662390.0	0.936631	Y
8	IC 410-630243/3	30.0	27.818589	5.0	691298.0	0.927286	Y



09/19/2025

Calibration / Dibenz[a,j]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

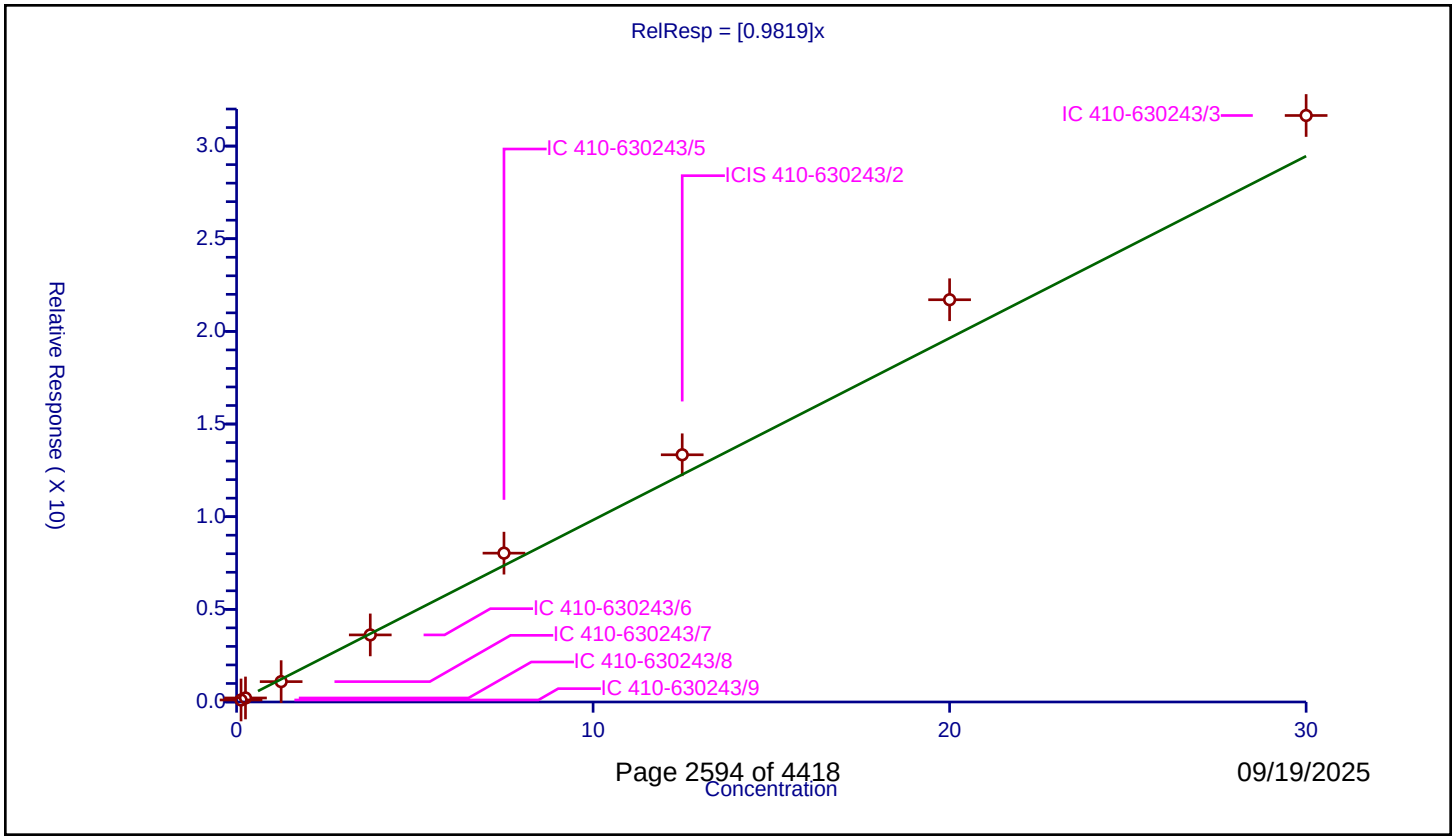
Curve Coefficients

Intercept:	0
Slope:	0.9819

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.108424	5.0	727332.0	0.867389	Y
2	IC 410-630243/8	0.25	0.216357	5.0	653641.0	0.865429	Y
3	IC 410-630243/7	1.25	1.098186	5.0	702645.0	0.878549	Y
4	IC 410-630243/6	3.75	3.61977	5.0	701749.0	0.965272	Y
5	IC 410-630243/5	7.5	8.031577	5.0	655441.0	1.070877	Y
6	ICIS 410-630243/2	12.5	13.340996	5.0	678187.0	1.06728	Y
7	IC 410-630243/4	20.0	21.708027	5.0	662390.0	1.085401	Y
8	IC 410-630243/3	30.0	31.650757	5.0	691298.0	1.055025	Y



09/19/2025

Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

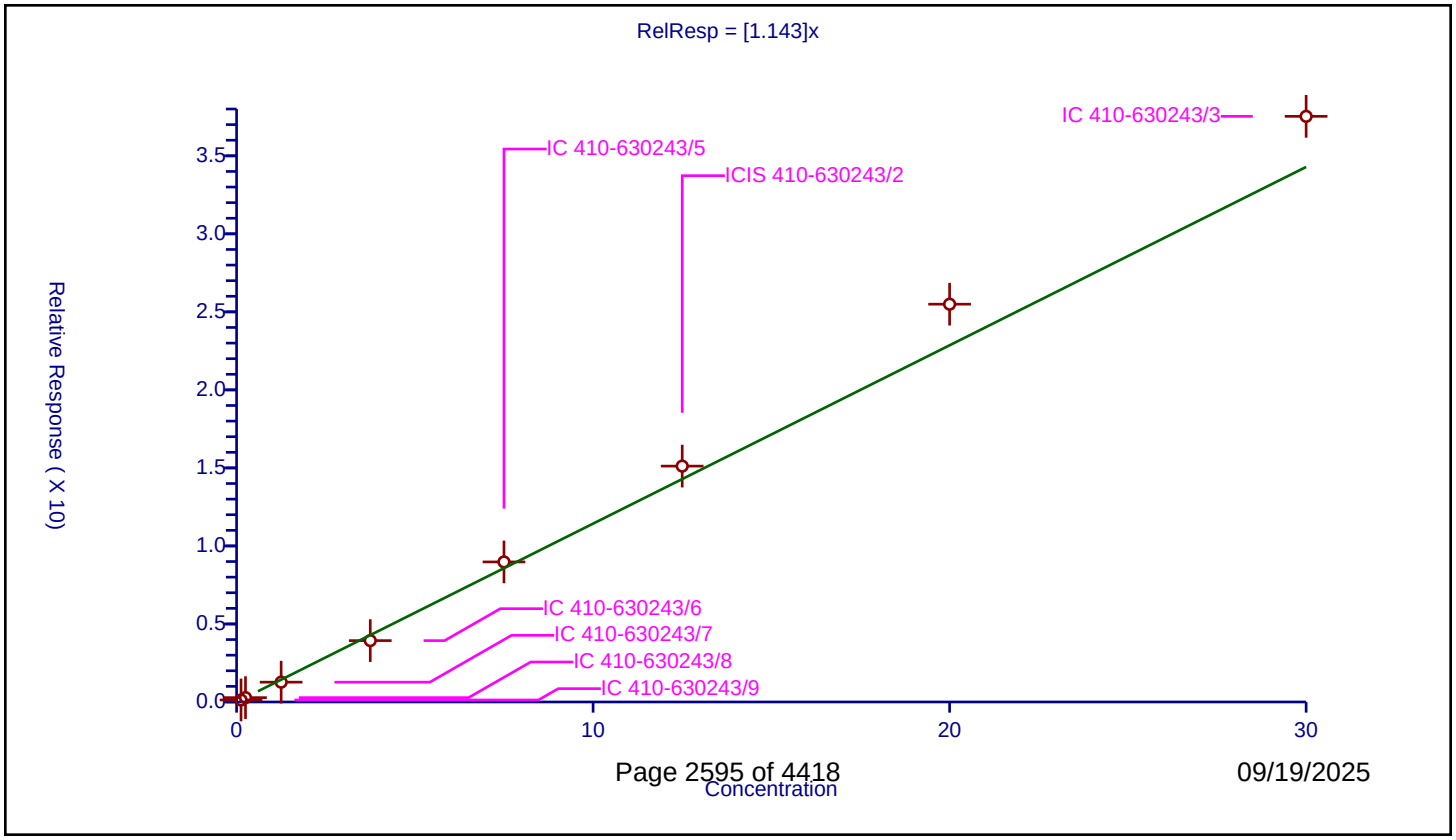
Curve Coefficients

Intercept:	0
Slope:	1.143

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.128366	5.0	727332.0	1.026931	Y
2	IC 410-630243/8	0.25	0.27984	5.0	653641.0	1.119361	Y
3	IC 410-630243/7	1.25	1.270407	5.0	702645.0	1.016325	Y
4	IC 410-630243/6	3.75	3.933258	5.0	701749.0	1.048869	Y
5	IC 410-630243/5	7.5	8.975949	5.0	655441.0	1.196793	Y
6	ICIS 410-630243/2	12.5	15.116111	5.0	678187.0	1.209289	Y
7	IC 410-630243/4	20.0	25.493365	5.0	662390.0	1.274668	Y
8	IC 410-630243/3	30.0	37.530689	5.0	691298.0	1.251023	Y



09/19/2025

Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

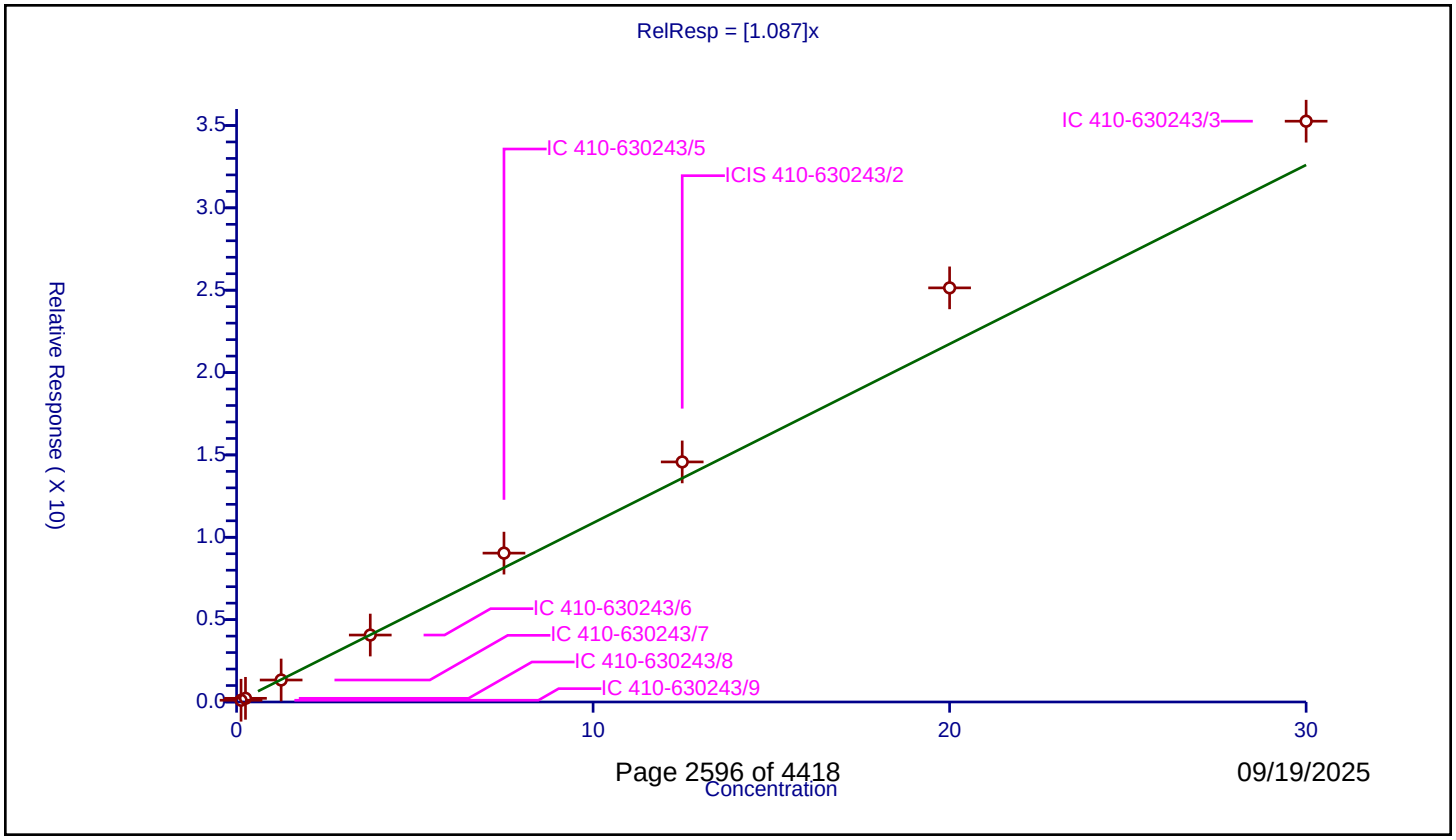
Curve Coefficients

Intercept:	0
Slope:	1.087

Error Coefficients

Relative Standard Deviation:	13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.10643	5.0	727332.0	0.851441	Y
2	IC 410-630243/8	0.25	0.222102	5.0	653641.0	0.888408	Y
3	IC 410-630243/7	1.25	1.334287	5.0	702645.0	1.067429	Y
4	IC 410-630243/6	3.75	4.064003	5.0	701749.0	1.083734	Y
5	IC 410-630243/5	7.5	9.037091	5.0	655441.0	1.204945	Y
6	ICIS 410-630243/2	12.5	14.575066	5.0	678187.0	1.166005	Y
7	IC 410-630243/4	20.0	25.141329	5.0	662390.0	1.257066	Y
8	IC 410-630243/3	30.0	35.260597	5.0	691298.0	1.175353	Y



Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

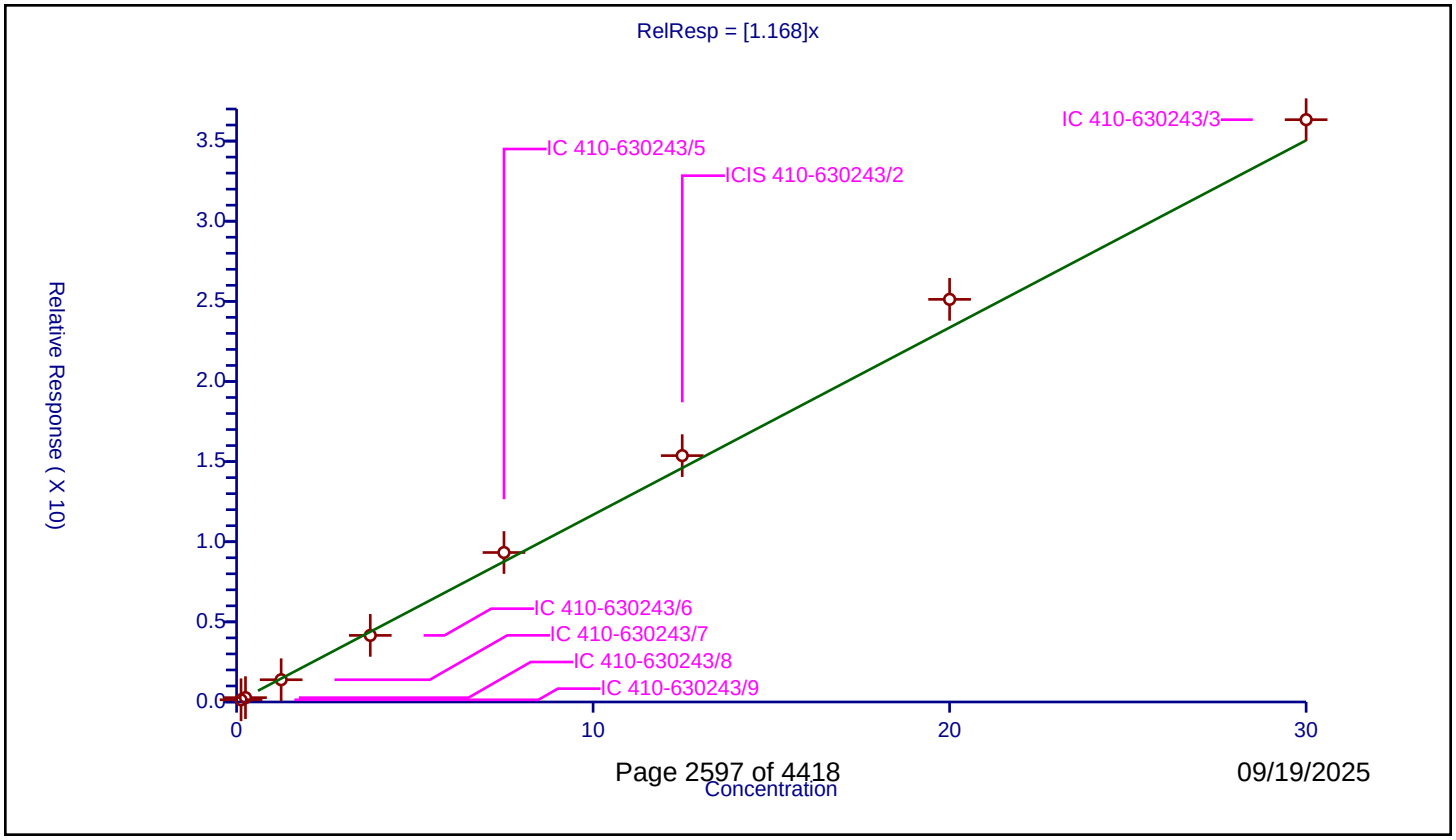
Curve Coefficients

Intercept:	0
Slope:	1.168

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.137743	5.0	727332.0	1.101945	Y
2	IC 410-630243/8	0.25	0.270921	5.0	653641.0	1.083684	Y
3	IC 410-630243/7	1.25	1.388034	5.0	702645.0	1.110427	Y
4	IC 410-630243/6	3.75	4.155403	5.0	701749.0	1.108108	Y
5	IC 410-630243/5	7.5	9.327254	5.0	655441.0	1.243634	Y
6	ICIS 410-630243/2	12.5	15.372759	5.0	678187.0	1.229821	Y
7	IC 410-630243/4	20.0	25.123409	5.0	662390.0	1.25617	Y
8	IC 410-630243/3	30.0	36.334953	5.0	691298.0	1.211165	Y



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-641051/9	JE0758.D
Level 2	IC 410-641051/8	JE0757.D
Level 3	IC 410-641051/7	JE0756.D
Level 4	IC 410-641051/6	JE0755.D
Level 5	IC 410-641051/5	JE0754.D
Level 6	ICIS 410-641051/2	JE0751a.D
Level 7	IC 410-641051/4	JE0753.D
Level 8	IC 410-641051/3	JE0752.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	+++++ 0.7845	+++++ 0.7040	0.8503 0.6856	0.7174	0.7099	Ave		0.7420				8.5		20.0			
N-Nitrosodimethylamine	1.3302 1.3418	1.2505 1.2298	1.0324 1.2787	1.0972	1.1875	Ave		1.2185				8.9		20.0			
Pyridine	2.3282 2.2062	1.7701 2.0081	1.8161 2.0584	1.7548	1.9947	Ave		1.9921				10.4		20.0			
N,N-dimethylformamide	+++++ 1.5214	+++++ 1.3587	1.0011 1.5290	1.3541	1.3717	Ave		1.3560				14.1		20.0			
2-Picoline	+++++ 2.0956	+++++ 1.7917	1.7184 1.8814	1.5792	1.8456	Ave		1.8187				9.5		20.0			
N-Nitrosomethylethylamine	+++++ 0.8845	+++++ 0.7886	0.8367 0.7992	0.7453	0.8434	Ave		0.8163				6.0		20.0			
Methyl methanesulfonate	1.3828 1.4412	1.2893 1.2120	1.2385 1.2669	1.1921	1.3024	Ave		1.2907				6.6		20.0			
N-Nitrosodiethylamine	0.5622 0.8122	0.8011 0.7584	0.7140 0.8038	0.6493	0.7646	Ave		0.7332				12.0		20.0			
Ethyl methanesulfonate	0.7338 0.8387	0.7523 0.7892	0.8190 0.8025	0.7361	0.7860	Ave		0.7822				4.9		20.0			
Benzaldehyde	1.6621 1.9114	1.8853 +++++	1.5861 +++++	1.5813	1.8360	Ave		1.7437			0.0100	8.7		20.0			
Phenol	2.2281 2.5126	2.2536 2.5206	2.2119 2.6531	1.9055	2.3849	Ave		2.3338			0.8000	10.1		20.0			
Aniline	2.1501 3.0559	2.0915 2.8403	2.3704 2.9444	2.4785	2.6998	Ave		2.5789				14.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Bis(2-chloroethyl)ether	1.8396 1.8136	1.7667 1.6442	1.7424 1.6776	1.4994	1.6314	Ave		1.7019			0.7000	6.6		20.0			
2-Chlorophenol	1.5509 1.5115	1.0322 1.3816	1.1978 1.4355	1.2899	1.4134	Ave		1.3516			0.8000	12.7		20.0			
1,3-Dichlorobenzene	1.8877 1.6554	1.1092 1.5231	1.4477 1.5651	1.4491	1.4957	Ave		1.5166				14.4		20.0			
1,4-Dichlorobenzene	2.0119 1.7033	1.5031 1.5515	1.4968 1.5573	1.4204	1.5727	Ave		1.6021				11.5		20.0			
Benzyl alcohol	+++++ 1.2527	0.7860 1.1550	1.1128 1.2005	1.0174	1.1180	Ave		1.0918				14.1		20.0			
1,2-Dichlorobenzene	1.5865 1.6265	1.2550 1.4964	1.3523 1.5106	1.4188	1.4883	Ave		1.4668				8.3		20.0			
2-Methylphenol	+++++ 1.7550	1.0013 1.5935	1.4155 1.6212	1.3932	1.6305	Ave		1.4872			0.7000	16.7		20.0			
2,2'-oxybis[1-chloropropane]	2.5929 2.0579	1.6879 1.8694	1.8013 1.8851	1.7717	1.8662	Ave		1.9415			0.0100	14.6		20.0			
N-Nitrosopyrrolidine	0.8751 0.9334	1.0428 0.9039	0.7539 0.9097	0.8149	0.9104	Ave		0.8930				9.5		20.0			
N-Nitrosodi-n-propylamine	1.6305 1.7690	1.4354 1.6505	1.4195 1.6685	1.4676	1.6364	Ave		1.5847			0.5000	8.0		20.0			
Acetophenone	2.4466 2.9558	2.4143 2.7016	2.5096 2.7783	2.4668	2.6078	Ave		2.6101			0.0100	7.3		20.0			
3,4-Methylphenol	1.4826 1.9665	1.4935 1.6393	1.6630 1.9228	1.4222	1.8015	Ave		1.6739			0.6000	12.3		20.0			
N-Nitrosomorpholine	+++++ 1.2472	1.2914 1.2353	1.1238 1.2662	1.0159	1.2000	Ave		1.1971				8.1		20.0			
2-Toluidine	2.5829 2.8428	2.5761 2.4958	2.2228 2.5985	2.3024	2.5187	Ave		2.5175				7.6		20.0			
Hexachloroethane	1.0169 0.8571	0.6356 0.7652	0.8057 0.7842	0.6802	0.7658	Ave		0.7888			0.3000	14.6		20.0			
Nitrobenzene	0.5000 0.6377	0.6071 0.6318	0.6424 0.6504	0.5958	0.6322	Ave		0.6122			0.2000	8.0		20.0			
N-Nitrosopiperidine	0.2120 0.2045	0.2203 0.1942	0.1989 0.2002	0.1706	0.1892	Ave		0.1987				7.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Isophorone	1.0179 1.1131	0.9980 1.1316	1.0661 1.1191	1.0196	1.0841	Ave		1.0687			0.4000	4.8		20.0			
2-Nitrophenol	0.2525 0.2079	0.1652 0.2034	0.2156 0.2034	0.1873	0.2005	Ave		0.2045			0.1000	12.1		20.0			
2,4-Dimethylphenol	0.3849 0.5213	0.4196 0.5215	0.4542 0.5293	0.4761	0.4988	Ave		0.4757			0.2000	11.1		20.0			
o,o',o''-Triethylphosphorothioate	0.2060 0.1713	0.1545 0.1688	0.1834 0.1757	0.1693	0.1761	Ave		0.1757				8.4		20.0			
Bis(2-chloroethoxy)methane	0.4928 0.6073	0.3948 0.5995	0.5827 0.5772	0.5491	0.5838	Ave		0.5484			0.3000	13.1		20.0			
2,4-Dichlorophenol	0.2234 0.3289	0.2620 0.3226	0.3015 0.3396	0.2947	0.3330	Ave		0.3007			0.2000	13.4		20.0			
1,2,4-Trichlorobenzene	0.2636 0.3548	0.3705 0.3637	0.3469 0.3619	0.3636	0.3483	Ave		0.3467				10.0		20.0			
Naphthalene	1.0648 1.0979	1.0228 1.0996	1.0714 1.0967	1.0336	1.0503	Ave		1.0671			0.7000	2.8		20.0			
a-Terpineol	0.3027 0.4186	0.3849 0.4216	0.4504 0.4228	0.3883	0.4141	Ave		0.4004				11.1		20.0			
4-Chloroaniline	+++++ 0.4805	0.3215 0.4853	0.4401 0.4949	0.4671	0.4669	Ave		0.4509			0.0100	13.2		20.0			
2,6-Dichlorophenol	0.2366 0.3366	0.3125 0.3291	0.2917 0.3265	0.3147	0.3125	Ave		0.3075				10.3		20.0			
Hexachloropropene	0.3684 0.2683	0.2836 0.2806	0.2563 0.2884	0.2583	0.2685	Ave		0.2840				12.7		20.0			
Hexachlorobutadiene	0.1833 0.2512	0.1819 0.2452	0.2274 0.2437	0.2370	0.2481	Ave		0.2272			0.0100	12.5		20.0			
Quinoline	0.6334 0.7277	0.5352 0.7082	0.7008 0.7053	0.6868	0.6926	Ave		0.6737				9.2		20.0			
N-Nitrosodi-n-butylamine	+++++ 0.4599	0.5146 0.4697	0.5506 0.4684	0.4611	0.4774	Ave		0.4859				7.0		20.0			
Caprolactam	+++++ 0.1039	0.1204 0.1122	0.1115 0.1145	0.1044	0.1128	Ave		0.1114			0.0100	5.2		20.0			
1,4-phenylenediamine	+++++ 0.4499	+++++ 0.4245	0.1778 0.4603	0.3168	0.4565	Lin2	-0.371	0.4653							0.9930		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.4149 0.4442	0.3710 0.4471	0.4176 0.4563	0.3947	0.4502	Ave		0.4245			0.2000	7.2		20.0			
Safrole, Total	0.2660 0.2722	0.2993 0.2655	0.2716 0.2747	0.2776	0.2861	Ave		0.2766				4.1		20.0			
2-Methylnaphthalene	0.5903 0.6441	0.5880 0.6530	0.6401 0.6358	0.6029	0.6192	Ave		0.6217			0.4000	4.1		20.0			
1-Methylnaphthalene	0.5958 0.6709	0.5705 0.6650	0.6265 0.6750	0.6383	0.6693	Ave		0.6389				6.1		20.0			
Hexachlorocyclopentadiene	0.6574 0.5960	0.4857 0.5447	0.4791 0.5480	0.5128	0.5503	Ave		0.5467			0.0500	10.7		20.0			
1,2,4,5-Tetrachlorobenzene	0.6381 0.6770	0.5750 0.6395	0.6124 0.6452	0.6422	0.6467	Ave		0.6345			0.0100	4.7		20.0			
Isosafrole Peak 1	+++++ 0.5553	+++++ 0.5184	0.4194 0.5121	0.4807	0.5310	Ave		0.5028				9.5		20.0			
2,4,6-Trichlorophenol	0.3811 0.4340	0.2769 0.4119	0.3897 0.4187	0.3835	0.4144	Ave		0.3888			0.2000	12.6		20.0			
2,4,5-Trichlorophenol	+++++ 0.4943	0.3954 0.4641	0.4316 0.4565	0.4431	0.4544	Ave		0.4485			0.2000	6.8		20.0			
Isosafrole Peak 2	0.7462 0.5904	0.4884 0.5328	0.5945 0.5447	0.5139	0.5654	Ave		0.5720				13.8		20.0			
1,1'-Biphenyl	1.8682 1.6158	1.6192 1.5420	1.6428 1.5681	1.4256	1.5092	Ave		1.5989			0.0100	8.1		20.0			
2-Chloronaphthalene	0.8890 1.3510	0.9594 1.1364	1.1678 1.3092	1.1347	1.2141	Ave		1.1452			0.8000	13.8		20.0			
1-Chloronaphthalene	1.0719 1.0983	1.1730 1.1731	1.0037 1.0036	1.0275	1.1049	Ave		1.0820				6.3		20.0			
Diphenyl ether	0.9172 0.8799	0.8009 0.8206	0.7643 0.8130	0.7513	0.8253	Ave		0.8216				6.7		20.0			
2-Nitroaniline	0.4081 0.4422	0.3965 0.4133	0.4144 0.4270	0.4086	0.3942	Ave		0.4130			0.0100	3.8		20.0			
1,4-Naphthoquinone	0.6210 0.5170	0.4304 0.4790	0.4291 0.4810	0.4534	0.4927	Ave		0.4880				12.7		20.0			
1,4-Dinitrobenzene	+++++ 0.1825	0.1680 0.1685	0.1668 0.1810	0.1660	0.1888	Ave		0.1745				5.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dimethyl phthalate	1.5166 1.5625	1.4744 1.4782	1.4415 1.4674	1.4302	1.4502	Ave		1.4776			0.0100	2.9		20.0			
1,3-Dinitrobenzene	0.1825 0.2143	0.2388 0.2114	0.2141 0.2107	0.2035	0.2088	Ave		0.2105				7.3		20.0			
2,6-Dinitrotoluene	+++++ 0.3274	0.2421 0.3071	0.2885 0.3113	0.3184	0.3104	Ave		0.3007			0.2000	9.5		20.0			
Acenaphthylene	1.8636 1.9403	1.7655 1.8570	1.7576 1.8383	1.7036	1.8647	Ave		1.8238			0.9000	4.2		20.0			
3-Nitroaniline	+++++ 0.3868	0.2769 0.3642	0.2992 0.3695	0.3508	0.3509	Ave		0.3426			0.0100	11.6		20.0			
Acenaphthene	1.4143 1.3353	1.3369 1.2773	1.2006 1.2750	1.1868	1.2619	Ave		1.2860			0.9000	5.8		20.0			
2,4-Dinitrophenol	0.1636 0.2327	0.1750 0.2228	0.1977 0.2289	0.1989	0.2064	Ave		0.2033			0.0100	12.2		20.0			
4-Nitrophenol	+++++ 0.4100	+++++ 0.3704	0.2903 0.3812	0.3244	0.3600	Ave		0.3560			0.0100	12.0		20.0			
Pentachlorobenzene	0.7196 0.5861	0.4726 0.5564	0.5488 0.5530	0.5231	0.5749	Ave		0.5668				12.5		20.0			
2,4-Dinitrotoluene	0.3403 0.4758	0.3989 0.4608	0.4365 0.4574	0.4205	0.4484	Ave		0.4298			0.2000	10.1		20.0			
Dibenzofuran	1.5195 1.8441	1.7724 1.6865	1.5768 1.6655	1.6177	1.7474	Ave		1.6787			0.8000	6.4		20.0			
1-Naphthylamine	1.0661 1.2563	1.0278 1.1760	1.1190 1.2333	1.1187	1.2222	Ave		1.1524				7.2		20.0			
2,3,4,6-Tetrachlorophenol	0.5200 0.4184	0.3137 0.4136	0.3870 0.4074	0.3526	0.4117	Ave		0.4031			0.0100	14.8		20.0			
2-Naphthylamine	1.0983 1.3019	1.3078 1.2127	1.1743 1.2259	1.1467	1.2638	Ave		1.2164				6.1		20.0			
Diethyl phthalate	1.4317 1.6460	1.4634 1.5676	1.5049 1.5653	1.4820	1.5764	Ave		1.5297			0.0100	4.6		20.0			
Thionazin	0.3492 0.2721	0.2203 0.2833	0.2569 0.2790	0.2443	0.2705	Ave		0.2720				13.8		20.0			
Fluorene	1.7320 1.4365	1.4051 1.3363	1.2155 1.3570	1.2970	1.3380	Ave		1.3897			0.9000	11.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chlorophenyl phenyl ether	0.6402 0.6784	0.7462 0.6517	0.5879 0.6440	0.6239	0.6645	Ave		0.6546			0.4000	7.0		20.0			
5-Nitro-o-toluidine	+++++ 0.3969	0.5076 0.3742	0.3394 0.3667	0.3464	0.3685	Ave		0.3857				14.8		20.0			
4-Nitroaniline	+++++ 0.3765	0.3437 0.3528	0.3382 0.3498	0.3389	0.3537	Ave		0.3505			0.0100	3.7		20.0			
4,6-Dinitro-2-methylphenol	0.1310 0.1640	0.1059 0.1599	0.1359 0.1494	0.1343	0.1514	Ave		0.1415			0.0100	13.3		20.0			
N-Nitrosodiphenylamine	0.5508 0.6655	0.5751 0.5884	0.5565 0.5632	0.5914	0.5990	Ave		0.5862			0.0100	6.2		20.0			
1,2-Diphenylhydrazine	1.0608 1.3077	1.0086 1.2118	1.1217 1.1446	1.1497	1.2213	Ave		1.1533				8.2		20.0			
Sulfotepp	0.2300 0.2268	0.1789 0.2125	0.1926 0.2013	0.2112	0.2110	Ave		0.2080				8.1		20.0			
1,3,5-Trinitrobenzene	0.0727 0.0755	0.0390 0.0666	0.0565 0.0702	0.0693	0.0659	Ave		0.0645				18.2		20.0			
cis-Diallate	+++++ 0.4091	+++++ 0.3863	0.3765 0.3632	0.3757	0.3855	Ave		0.3827				4.0		20.0			
Phorate	0.9502 0.7844	0.6834 0.7343	0.6987 1.0295	0.6461	0.7221	Ave		0.7811				17.5		20.0			
Phenacetin	+++++ 0.5759	+++++ 0.5351	0.4062 0.5109	0.4675	0.5529	Ave		0.5081				12.2		20.0			
4-Bromophenyl phenyl ether	0.1905 0.2434	0.1791 0.2244	0.1983 0.2108	0.2109	0.2227	Ave		0.2100			0.1000	9.8		20.0			
trans-Diallate	+++++ 0.4253	+++++ 0.3795	0.5177 0.3769	0.4429	0.4179	Ave		0.4267				12.1		20.0			
Hexachlorobenzene	0.2270 0.3061	0.2870 0.2684	0.2582 0.2614	0.2722	0.2826	Ave		0.2704			0.1000	8.6		20.0			
Dimethoate	0.3656 0.4400	0.4014 0.4088	0.3536 0.3853	0.3863	0.4255	Ave		0.3958				7.4		20.0			
Atrazine	0.2453 0.2441	0.2568 0.2163	0.2240 0.1933	0.2172	0.2334	Ave		0.2288			0.0100	8.9		20.0			
Pentachlorophenol	+++++ 0.2208	0.1601 0.1927	0.1408 0.1853	0.1558	0.1845	Ave		0.1771			0.0500	15.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Pentachloronitrobenzene	+++++ 0.1594	0.1545 0.1375	0.1130 0.1406	0.1403	0.1511	Ave		0.1424				10.8		20.0			
4-Aminobiphenyl	0.8242 0.9387	0.8230 0.8394	0.7417 0.8151	0.7643	0.8686	Ave		0.8269				7.3		20.0			
Pronamide	0.3780 0.4020	0.3904 0.3666	0.3064 0.3527	0.3616	0.3850	Ave		0.3678				8.0		20.0			
Dinoseb	+++++ 0.2041	0.1453 0.1937	0.1554 0.1937	0.1651	0.1967	Ave		0.1791				13.0		20.0			
Disulfoton	+++++ 0.6519	0.6837 0.6063	0.5730 0.5776	0.5813	0.6267	Ave		0.6143				6.8		20.0			
Phenanthrene	1.1171 1.2257	1.0841 1.1158	1.0229 1.1111	1.0524	1.1434	Ave		1.1091			0.7000	5.5		20.0			
Anthracene	1.0628 1.2711	1.0345 1.1571	0.9991 1.1184	1.1181	1.1505	Ave		1.1140			0.7000	7.6		20.0			
Carbazole	0.6885 1.1629	0.8930 1.0750	0.9506 1.0275	1.0154	1.0829	Ave		0.9870			0.0100	14.8		20.0			
Methyl parathion	0.3713 0.3555	0.2558 0.3297	0.2677 0.3272	0.3028	0.3395	Ave		0.3187				12.7		20.0			
Di-n-butyl phthalate	1.3052 1.4961	1.3048 1.4147	1.2850 1.3071	1.2645	1.3737	Ave		1.3439			0.0100	5.8		20.0			
Parathion	0.2532 0.2238	0.1708 0.2292	0.1558 0.2072	0.1879	0.2101	Ave		0.2047				15.6		20.0			
4-Nitroquinoline-1-oxide	+++++ 0.1202	+++++ 0.1143	0.0768 0.1134	0.0860	0.0990	Ave		0.1016				17.1		20.0			
Octachlorostyrene	0.1414 0.1359	0.1226 0.1230	0.1419 0.1129	0.1211	0.1237	Ave		0.1278				8.3		20.0			
Isodrin	+++++ 0.1469	0.2578 0.1413	0.1461 0.1328	0.1469	0.1413	Lin2	0.0298	0.1362							0.9970		0.9900
Fluoranthene	0.9829 1.3920	1.0970 1.3110	1.2085 1.2403	1.1946	1.2532	Ave		1.2099			0.6000	10.4		20.0			
Benzidine	+++++ 0.9373	+++++ 0.8240	0.7235 0.6454	0.7906	0.8888	Ave		0.8016				13.3		20.0			
Pyrene	1.2477 1.3201	1.2427 1.3200	1.1913 1.2777	1.2492	1.2774	Ave		1.2658			0.6000	3.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
p-Dimethylamino azobenzene	0.2229 0.1868	0.1952 0.1813	0.1518 0.1826	0.1688	0.1825	Ave		0.1840				11.1		20.0			
Chlorobenzilate	0.4026 0.4622	0.4238 0.4760	0.3674 0.4432	0.4200	0.4459	Ave		0.4301				8.0		20.0			
Famphur	0.3907	0.4971 +++++	0.4172 +++++	0.4191		Ave		0.4310				10.6		20.0			
3,3'-Dimethylbenzidine	0.5984 0.6506	0.5680 0.6043	0.5581 0.5782	0.6073	0.6287	Ave		0.5992				5.2		20.0			
Butyl benzyl phthalate	0.6241 0.6039	0.5282 0.6366	0.5783 0.6080	0.5819	0.5887	Ave		0.5937			0.0100	5.6		20.0			
2-Acetylaminofluorene	+++++ 0.4673	+++++ 0.4845	0.3250 0.4868	0.4019	0.4670	Ave		0.4388				14.5		20.0			
3,3'-Dichlorobenzidine	0.4054 0.5285	0.4326 0.5263	0.4173 0.5108	0.4863	0.4788	Ave		0.4733			0.0100	10.4		20.0			
4,4'-Methylene bis(2-chloroaniline)	0.2023 0.2483	0.2555 0.2395	0.2196 0.2297	0.2281	0.2297	Ave		0.2316				7.2		20.0			
Benzo[a]anthracene	1.0739 1.2244	1.0056 1.2160	1.0573 1.1889	1.1303	1.1642	Ave		1.1326			0.8000	7.1		20.0			
Chrysene	1.0227 1.1298	1.0270 1.1104	0.9646 1.0945	1.0574	1.0630	Ave		1.0587			0.7000	5.1		20.0			
Bis(2-ethylhexyl) phthalate	0.6958 0.8871	0.7631 0.9316	0.7759 0.8788	0.8504	0.8508	Ave		0.8292			0.0100	9.4		20.0			
6-Methylchrysene	0.6983 0.7502	0.7085 0.7600	0.6841 0.7474	0.7009	0.7379	Ave		0.7234				4.0		20.0			
Di-n-octyl phthalate	1.2788 1.5111	1.3374 1.6402	1.1853 1.5292	1.3473	1.4346	Ave		1.4080			0.0100	10.6		20.0			
7,12-Dimethylbenz(a)anthracene	0.4299 0.4856	0.3412 0.4938	0.4228 0.4965	0.3967	0.4886	Ave		0.4444				12.7		20.0			
Benzo[b]fluoranthene	1.1106 1.2993	0.9823 1.2630	1.0517 1.2609	1.1170	1.2337	Ave		1.1648			0.7000	9.9		20.0			
Benzo[k]fluoranthene	1.1629 1.1971	1.2146 1.2836	1.0915 1.1798	1.0865	1.2149	Ave		1.1789			0.7000	5.6		20.0			
Benzo[a]pyrene	1.4600 1.2026	1.2116 1.2369	1.0870 1.1737	1.1003	1.1930	Ave		1.2081			0.7000	9.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
3-Methylcholanthrene	0.5691 0.5511	0.5511 0.5689	0.4651 0.5544	0.5015	0.5373	Ave		0.5373				6.7		20.0			
Dibenz[a,h]acridine	0.7795 0.8781	0.8362 0.9042	0.8212 0.8755	0.7857	0.9163	Ave		0.8496				6.1		20.0			
Dibenz[a,j]acridine	0.9930 0.9982	0.9615 1.0235	0.8719 1.0016	0.9221	1.0257	Ave		0.9747				5.5		20.0			
Indeno[1,2,3-cd]pyrene	0.9449 1.2104	1.2540 1.2175	1.0531 1.1653	1.0817	1.1809	Ave		1.1385			0.5000	9.1		20.0			
Dibenz(a,h)anthracene	0.9113 1.1491	1.0170 1.1884	1.0460 1.1251	1.0598	1.1628	Ave		1.0824			0.4000	8.5		20.0			
Benzo[g,h,i]perylene	0.9272 1.1980	1.0556 1.2047	1.0789 1.1561	1.0683	1.1961	Ave		1.1106			0.5000	8.7		20.0			
2-Fluorophenol (Surr)	1.1245 1.7480	1.4768 1.5853	1.3978 1.6259	1.3896	1.5290	Ave		1.4846				12.7		20.0			
Phenol-d5 (Surr)	+++++ 2.5385	1.9720 2.2960	2.1089 2.4189	1.9947	2.1609	Ave		2.2129				9.7		20.0			
Nitrobenzene-d5 (Surr)	0.4956 0.6746	0.6217 0.6544	0.6243 0.6780	0.6073	0.6389	Ave		0.6244				9.3		20.0			
2-Fluorobiphenyl (Surr)	1.4615 1.5133	1.3319 1.4732	1.3282 1.3675	1.3636	1.4337	Ave		1.4091				5.0		20.0			
2,4,6-Tribromophenol (Surr)	0.2919 0.3116	0.2618 0.3083	0.2563 0.3011	0.2843	0.2899	Ave		0.2881				7.0		20.0			
p-Terphenyl-d14 (Surr)	0.7670 0.8679	0.6946 0.8762	0.7594 0.7918	0.7887	0.8295	Ave		0.7969				7.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-641051/9	JE0758.D
Level 2	IC 410-641051/8	JE0757.D
Level 3	IC 410-641051/7	JE0756.D
Level 4	IC 410-641051/6	JE0755.D
Level 5	IC 410-641051/5	JE0754.D
Level 6	ICIS 410-641051/2	JE0751a.D
Level 7	IC 410-641051/4	JE0753.D
Level 8	IC 410-641051/3	JE0752.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd4	Ave	+++++ 404263	+++++ 552188	38442 741228	104963	195873	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodimethylamine	DCBd4	Ave	5612 691425	11307 964548	46674 1382482	160539	327681	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pyridine	DCBd4	Ave	19645 2273593	32011 3150074	164214 4450811	513500	1100835	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
N,N-dimethylformamide	DCBd4	Ave	+++++ 783926	+++++ 1065668	45259 1653063	198121	378499	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Picoline	DCBd4	Ave	+++++ 1079817	+++++ 1405312	77690 2034040	231055	509261	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosomethylethylamine	DCBd4	Ave	+++++ 455784	+++++ 618516	37828 864024	109050	232721	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Methyl methanesulfonate	DCBd4	Ave	5834 742618	11658 950633	55995 1369721	174411	359365	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodiethylamine	DCBd4	Ave	2372 418528	7244 594803	32280 869020	95002	210984	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Ethyl methanesulfonate	DCBd4	Ave	3096 432170	6802 619010	37028 867550	107702	216876	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzaldehyde	DCBd4	Ave	7012 984917	17047 +++++	71707 +++++	231362	506605	0.125 12.5	0.250 +++++	1.25 +++++	3.75	7.50
Phenol	DCBd4	Ave	9400 1294706	20377 1976971	100002 2868342	278800	658069	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Aniline	DCBd4	Ave	9071 1574648	18911 2227705	107166 3183245	362638	744969	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethyl)ether	DCBd4	Ave	7761 934495	15975 1289617	78776 1813742	219381	450152	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chlorophenol	DCBd4	Ave	6543 778844	9333 1083595	54154 1551954	188723	390014	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dichlorobenzene	DCBd4	Ave	7964	10029	65453	212013	412718	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			852984	1194608	1692117			12.5	20.0	30.0		
1,4-Dichlorobenzene	DCBd4	Ave	8488 877701	13591 1216913	67669 1683664	207823	433955	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzyl alcohol	DCBd4	Ave	+++++ 645482	7107 905889	50311 1297914	148859	308502	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2-Dichlorobenzene	DCBd4	Ave	6693 838110	11348 1173690	61140 1633116	207580	410664	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylphenol	DCBd4	Ave	+++++ 904312	9054 1249820	63996 1752697	203839	449899	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,2'-oxybis[1-chloropropane]	DCBd4	Ave	10939 1060422	15262 1466206	81436 2037983	259212	514939	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopyrrolidine	DCBd4	Ave	3692 480939	9429 708979	34083 983482	119225	251201	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-propylamine	DCBd4	Ave	6879 911523	12979 1294540	64175 1803886	214719	451546	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acetophenone	DCBd4	Ave	10322 1523056	21830 2118938	113461 3003676	360924	719592	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3,4-Methylphenol	DCBd4	Ave	6255 1013281	13504 1285734	75183 2078819	208088	497091	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomorpholine	DCBd4	Ave	+++++ 642676	11677 968910	50807 1368944	148631	331119	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Toluidine	DCBd4	Ave	10897 1464843	23293 1957524	100493 2809329	336870	694989	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloroethane	DCBd4	Ave	4290 441662	5747 600140	36425 847847	99519	211304	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Nitrobenzene	NPT	Ave	8640 1325624	20583 1863013	105261 2704843	315365	663001	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopiperidine	NPT	Ave	3663 425210	7470 572554	32600 832402	90307	198449	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isophorone	NPT	Ave	17590 2314072	33836 3336829	174691 4654017	539688	1136965	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitrophenol	NPT	Ave	4363 432243	5600 599863	35334 845920	99124	210288	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dimethylphenol	NPT	Ave	6652 1083654	14225 1537865	74426 2200994	252040	523159	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o,o',o''-Triethylphosphorothioate	NPT	Ave	3560 356155	5239 497898	30045 730862	89632	184706	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethoxy)methane	NPT	Ave	8515 1262601	13385 1767772	95480 2400458	290682	612213	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dichlorophenol	NPT	Ave	3860	8882	49405	155987	349203	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-234898-1 | Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 | GC Column: DB-5MS 30m ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 | Calibration End Date: 05/08/2025 02:18 | Calibration ID: 72461

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			683688	951237	1412259			12.5	20.0	30.0		
1,2,4-Trichlorobenzene	NPT	Ave	4555 737691	12563 1072486	56836 1505130	192490	365227	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Naphthalene	NPT	Ave	18400 2282465	34677 3242450	175565 4560544	547112	1101478	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
a-Terpineol	NPT	Ave	5231 870281	13050 1243117	73799 1758241	205534	434269	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloroaniline	NPT	Ave	+++++ 998975	10899 1431074	72118 2058027	247236	489667	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dichlorophenol	NPT	Ave	4089 699754	10594 970402	47801 1357740	166557	327701	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloropropene	NPT	Ave	6366 557728	9615 827291	41994 1199296	136744	281562	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorobutadiene	NPT	Ave	3167 522142	6166 722990	37267 1013349	125470	260214	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Quinoline	NPT	Ave	10945 1512779	18146 2088307	114833 2932925	363563	726311	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-butylamine	NPT	Ave	+++++ 956048	17446 1384974	90223 1947821	244095	500651	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Caprolactam	NPT	Ave	+++++ 216005	4083 330797	18278 476042	55257	118277	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-phenylenediamine	NPT	Lin2	+++++ 935394	+++++ 1251827	29140 1914096	167672	478796	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Chloro-3-methylphenol	NPT	Ave	7169 923404	12580 1318534	68435 1897476	208939	472165	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Safrole, Total	NPT	Ave	4597 565909	10147 782784	44498 1142523	146930	300096	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylnaphthalene	NPT	Ave	10200 1339000	19935 1925646	104895 2644129	319115	649382	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Methylnaphthalene	NPT	Ave	10296 1394804	19341 1960829	102662 2806979	337849	701944	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorocyclopentadiene	ANT	Ave	6242 690356	9371 953909	47217 1353037	163181	333486	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2,4,5-Tetrachlorobenzene	ANT	Ave	6059 784262	11095 1119948	60356 1593176	204366	391855	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 1	ANT	Ave	+++++ 102925	+++++ 145238	6614 202326	24475	51486	+++++ 2.00	+++++ 3.20	0.200 4.80	0.600	1.20
2,4,6-Trichlorophenol	ANT	Ave	3619 502753	5342 721285	38409 1033767	122043	251084	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4,5-Trichlorophenol	ANT	Ave	+++++	7630	42534	141001	275379	+++++	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			572548	812668	1127165			12.5	20.0	30.0		
Isosafrole Peak 2	ANT	Ave	5952 574498	7916 783753	49220 1129777	137378	287790	0.105 10.5	0.210 16.8	1.05 25.2	3.15	6.30
1,1'-Biphenyl	ANT	Ave	17739 1871791	31241 2700258	161920 3872032	453663	914516	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chloronaphthalene	ANT	Ave	8441 1565031	18511 1990056	115095 3232872	361109	735696	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Chloronaphthalene	ANT	Ave	10178 1272293	22633 2054262	98921 2478110	326982	669556	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diphenyl ether	ANT	Ave	8709 1019282	15453 1437067	75328 2007598	239096	500135	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitroaniline	ANT	Ave	3875 512296	7651 723835	40845 1054341	130020	238866	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Naphthoquinone	ANT	Ave	5897 598945	8304 838802	42297 1187718	144278	298572	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Dinitrobenzene	ANT	Ave	+++++ 211421	3242 295027	16438 446970	52818	114433	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethyl phthalate	ANT	Ave	14401 1809955	28448 2588553	142077 3623404	455122	878797	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dinitrobenzene	ANT	Ave	1733 248245	4607 370275	21099 520365	64771	126554	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dinitrotoluene	ANT	Ave	+++++ 379202	4672 537699	28431 768667	101330	188113	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthylene	ANT	Ave	17695 2247578	34065 3251906	173229 4539360	542137	1129922	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Nitroaniline	ANT	Ave	+++++ 448018	5342 637824	29492 912441	111648	212660	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthene	ANT	Ave	13429 1546842	25795 2236765	118334 3148199	377681	764667	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrophenol	ANT	Ave	15535 539087	33762 780362	77932 1130648	189915	291812	1.25 25.0	2.50 40.0	5.00 60.0	11.3	17.5
4-Nitrophenol	ANT	Ave	+++++ 949846	+++++ 1297371	85825 1882603	206479	436238	+++++ 25.0	+++++ 40.0	3.75 60.0	7.50	15.0
Pentachlorobenzene	ANT	Ave	6833 678947	9118 974337	54089 1365449	166463	348362	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrotoluene	ANT	Ave	3231 551183	7697 807008	43018 1129324	133812	271744	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenzofuran	ANT	Ave	14428 2136199	34197 2953275	155409 4112600	514786	1058868	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Naphthylamine	ANT	Ave	10123	19831	110287	355994	740598	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-234898-1 | Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 | GC Column: DB-5MS 30m ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 | Calibration End Date: 05/08/2025 02:18 | Calibration ID: 72461

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1455282	2059319	3045394			12.5	20.0	30.0		
2,3,4,6-Tetrachlorophenol	ANT	Ave	4938 484730	6053 724260	38145 1005883	112210	249474	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Naphthylamine	ANT	Ave	10429 1508057	25233 2123566	115739 3027020	364899	765846	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diethyl phthalate	ANT	Ave	13594 1906694	28236 2745146	148319 3865225	471615	955237	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Thionazin	ANT	Ave	3316 315236	4251 496165	25323 688846	77737	163912	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluorene	ANT	Ave	16446 1664069	27111 2340117	119797 3350904	412751	810785	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chlorophenyl phenyl ether	ANT	Ave	6079 785899	14397 1141239	57940 1590328	198531	402693	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
5-Nitro-o-toluidine	ANT	Ave	+++++ 459736	9793 655294	33448 905501	110247	223279	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroaniline	ANT	Ave	+++++ 436079	6632 617771	33332 863765	107846	214303	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,6-Dinitro-2-methylphenol	PHN	Ave	15265 661398	24274 1030068	76774 1439631	157182	330689	0.750 25.0	1.50 40.0	3.75 60.0	7.50	15.0
N-Nitrosodiphenylamine	PHN	Ave	9091 1140792	18671 1611027	89100 2306588	294186	555989	0.106 10.6	0.213 17.0	1.06 25.5	3.19	6.38
1,2-Diphenylhydrazine	PHN	Ave	20598 2637199	38522 3903575	211283 5515215	672802	1333677	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Sulfotepp	PHN	Ave	4465 457417	6834 684537	36284 969859	123608	230420	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3,5-Trinitrobenzene	PHN	Ave	1411 152296	1489 214599	10646 338234	40528	71976	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
cis-Diallate	PHN	Ave	+++++ 610455	+++++ 920886	52477 1295162	162686	311544	+++++ 9.25	+++++ 14.8	0.925 22.2	2.78	5.55
Phorate	PHN	Ave	18449 1581801	26104 2365542	131611 4960785	378097	788571	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenacetin	PHN	Ave	+++++ 1161394	+++++ 1723793	76518 2461722	273558	603742	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Bromophenyl phenyl ether	PHN	Ave	3699 490758	6841 723035	37351 1015919	123397	243165	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
trans-Diallate	PHN	Ave	+++++ 222979	+++++ 317855	25352 472217	67385	118662	+++++ 3.25	+++++ 5.20	0.325 7.80	0.975	1.95
Hexachlorobenzene	PHN	Ave	4408 617312	10960 864599	48634 1259772	159286	308661	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethoate	PHN	Ave	7099	15330	66596	226036	464681	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			887305	1317002	1856712			12.5	20.0	30.0		
Atrazine	PHN	Ave	4763 492182	9807 696627	42198 931351	127090	254894	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachlorophenol	PHN	Ave	+++++ 890363	30580 1241435	53052 1785379	182319	402973	+++++ 25.0	1.25 40.0	2.50 60.0	7.50	15.0
Pentachloronitrobenzene	PHN	Ave	+++++ 321438	5902 443013	21290 677592	82106	165040	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Aminobiphenyl	PHN	Ave	16003 1892958	31435 2704110	139697 3927813	447266	948525	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pronamide	PHN	Ave	7340 810609	14913 1180938	57714 1699591	211594	420394	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dinoseb	PHN	Ave	+++++ 411554	5548 624042	29277 933195	96616	214752	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Disulfoton	PHN	Ave	+++++ 1314600	26114 1953002	107938 2783115	340144	684374	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenanthrene	PHN	Ave	21690 2471761	41408 3594265	192664 5353917	615868	1248657	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Anthracene	PHN	Ave	20636 2563352	39512 3727435	188191 5388972	654325	1256395	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Carbazole	PHN	Ave	13368 2345192	34108 3462827	179061 4951156	594213	1182587	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Methyl parathion	PHN	Ave	7209 716907	9770 1061994	50431 1576568	177220	370789	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-butyl phthalate	PHN	Ave	25342 3017072	49836 4557324	242050 6298265	739996	1500114	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Parathion	PHN	Ave	4916 451263	6525 738416	29337 998334	109944	229456	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroquinoline-1-oxide	PHN	Ave	+++++ 242497	+++++ 368304	14462 546398	50352	108061	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Octachlorostyrene	PHN	Ave	2745 274037	4681 396213	26733 544207	70889	135038	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isodrin	PHN	Lin2	+++++ 296300	9845 455117	27515 640120	85980	154336	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluoranthene	PHN	Ave	19085 2807252	41900 4223194	227628 5976422	699052	1368557	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzidine	PYR10	Ave	+++++ 6122149	+++++ 7970064	416878 9306451	1392120	3014318	+++++ 37.5	+++++ 60.0	3.75 90.0	11.3	22.5
Pyrene	PYR10	Ave	23720 2874188	47330 4255785	228805 6141884	733248	1443973	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
p-Dimethylamino azobenzene	PYR10	Ave	4237	7436	29156	99096	206283	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			406741	584474	877791			12.5	20.0	30.0		
Chlorobenzilate	PYR10	Ave	7653 1006267	16142 1534718	70569 2130642	246538	504007	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Famphur	PYR10	Ave	7428	18932 +++++	80126 +++++	246002		0.125	0.250 +++++	1.25 +++++	3.75	
3,3'-Dimethylbenzidine	PYR10	Ave	11376 1416672	21632 1948308	107180 2779104	356448	710695	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Butyl benzyl phthalate	PYR10	Ave	11864 1314887	20117 2052589	111060 2922614	341576	665489	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Acetylaminofluorene	PYR10	Ave	+++++ 1017553	+++++ 1562162	62418 2339837	235934	527897	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
3,3'-Dichlorobenzidine	PYR10	Ave	7707 1150819	16478 1696833	80138 2455570	285445	541216	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,4'-Methylene bis(2-chloroaniline)	PYR10	Ave	3846 540664	9733 772230	42180 1104128	133913	259701	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]anthracene	PYR10	Ave	20416 2666008	38302 3920574	203056 5714915	663482	1316086	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chrysene	PYR10	Ave	19441 2459963	39115 3580187	185267 5261375	620680	1201661	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-ethylhexyl) phthalate	PYR10	Ave	13227 1931404	29063 3003613	149013 4224302	499167	961757	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
6-Methylchrysene	PYR10	Ave	13275 1633327	26984 2450330	131389 3592607	411388	834171	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-octyl phthalate	PRY	Ave	22506 3275901	49935 5033721	225573 7164621	823508	1547035	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
7,12-Dimethylbenz(a)anthracene	PRY	Ave	7565 1052763	12739 1515484	80469 2326029	242490	526869	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[b]fluoranthene	PRY	Ave	19546 2816736	36677 3876112	200152 5907431	682741	1330449	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[k]fluoranthene	PRY	Ave	20465 2595135	45350 3939512	207726 5527501	664125	1310150	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]pyrene	PRY	Ave	25694 2607195	45238 3796128	206859 5498969	672551	1286461	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Methylcholanthrene	PRY	Ave	10015 1194794	20575 1745830	88511 2597295	306543	579381	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,h]acridine	PRY	Ave	13718 1903740	31220 2774940	156278 4101891	480224	988160	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,j]acridine	PRY	Ave	17476 2163927	35901 3141039	165938 4692815	563608	1106097	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	16630	46823	200412	661166	1273432	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			2623961	3736568	5459521			12.5	20.0	30.0		
Dibenz(a,h)anthracene	PRY	Ave	16038 2491240	37971 3647088	199065 5271458	647759	1253957	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[g,h,i]perylene	PRY	Ave	16318 2597239	39413 3697286	205318 5416409	652982	1289879	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Fluorophenol (Surr)	DCBd4	Ave	9488 1801443	26707 2486866	126393 3515494	406637	843782	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Phenol-d5 (Surr)	DCBd4	Ave	+++++ 2616078	35662 3601673	190691 5230168	583695	1192554	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Nitrobenzene-d5 (Surr)	NPT	Ave	17128 2804952	42159 3859543	204583 5638985	642901	1340106	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2-Fluorobiphenyl (Surr)	ANT	Ave	27755 3506039	51397 5159555	261811 6753511	867851	1737548	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	5543 721914	10101 1079836	50516 1486988	180917	351354	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
p-Terphenyl-d14 (Surr)	PYR10	Ave	29163 3779262	52911 5650213	291707 7612471	925854	1875354	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-641051/9	JE0758.D
Level 2	IC 410-641051/8	JE0757.D
Level 3	IC 410-641051/7	JE0756.D
Level 4	IC 410-641051/6	JE0755.D
Level 5	IC 410-641051/5	JE0754.D
Level 6	ICIS 410-641051/2	JE0751a.D
Level 7	IC 410-641051/4	JE0753.D
Level 8	IC 410-641051/3	JE0752.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-phenylenediamine	+++++ -4.8	+++++ 1.6	2.0	-10.7	8.8	3.1	30	30	50	30	30	30
Isodrin	+++++ 2.6	1.8 -3.2	-10.2	2.0	0.9	6.1	30	50 30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0751a.D
Lims ID: ICIS L6
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 07-May-2025 23:49:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS L6
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:30:29 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: N5QU Date: 08-May-2025 00:46:27

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.707	1.707	0.000	94	404263	12.5	13.2	
	2 N-Nitrosodimethylamine	74	1.935	1.935	0.000	93	691425	12.5	13.8	
	3 Pyridine	79	1.976	1.976	0.000	97	2273593	25.0	27.7	
	4 Dimethylformamide	73	2.279	2.279	0.000	94	783926	12.5	14.0	
	5 2-Picoline	93	2.571	2.571	0.000	90	1079817	12.5	14.4	
	6 N-Nitrosomethylethylamine	88	2.653	2.653	0.000	94	455784	12.5	13.5	
	7 Methyl methanesulfonate	80	2.922	2.922	0.000	87	742618	12.5	14.0	
$	9 2-Fluorophenol	112	3.074	3.074	0.000	94	1801443	25.0	29.4	
	11 N-Nitrosodiethylamine	102	3.295	3.295	0.000	94	418528	12.5	13.8	
	12 Ethyl methanesulfonate	109	3.593	3.593	0.000	94	432170	12.5	13.4	
	13 Benzaldehyde	77	3.914	3.914	0.000	89	984917	12.5	13.7	
$	15 Phenol-d5	99	3.979	3.979	0.000	93	2616078	25.0	28.7	
	16 Phenol	94	3.990	3.990	0.000	92	1294706	12.5	13.5	
	17 Aniline	93	4.019	4.019	0.000	94	1574648	12.5	14.8	
	18 Bis(2-chloroethyl)ether	93	4.078	4.078	0.000	93	934495	12.5	13.3	
	19 2-Chlorophenol	128	4.130	4.130	0.000	88	778844	12.5	14.0	
	21 1,3-Dichlorobenzene	146	4.276	4.276	0.000	89	852984	12.5	13.6	
*	22 1,4-Dichlorobenzene-d4	152	4.335	4.335	0.000	94	206113	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.352	4.352	0.000	87	877701	12.5	13.3	
	26 Benzyl alcohol	108	4.469	4.469	0.000	86	645482	12.5	14.3	
	27 1,2-Dichlorobenzene	146	4.492	4.492	0.000	90	838110	12.5	13.9	
	29 2-Methylphenol	108	4.580	4.580	0.000	95	904312	12.5	14.8	
	30 2,2'-oxybis[1-chloropropane]	45	4.598	4.598	0.000	88	1060422	12.5	13.2	
	31 N-Nitrosopyrrolidine	100	4.703	4.703	0.000	85	480939	12.5	13.1	
	32 Acetophenone	105	4.726	4.726	0.000	81	1523056	12.5	14.2	
	33 N-Nitrosodi-n-propylamine	70	4.726	4.726	0.000	67	911523	12.5	14.0	
	34 4-Methylphenol	108	4.732	4.732	0.000	88	1013281	12.5	14.7	
	35 N-Nitrosomorpholine	56	4.743	4.743	0.000	88	642676	12.5	13.0	
	36 2-Toluidine	106	4.755	4.755	0.000	93	1464843	12.5	14.1	
	37 Hexachloroethane	117	4.819	4.819	0.000	94	441662	12.5	13.6	
$	39 Nitrobenzene-d5	82	4.866	4.866	0.000	88	2804952	25.0	27.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Nitrobenzene	77	4.884	4.884	0.000	86	1325624	12.5	13.0	
41 N-Nitrosopiperidine	114	5.035	5.035	0.000	79	425210	12.5	12.9	
42 Isophorone	82	5.117	5.117	0.000	96	2314072	12.5	13.0	
43 2-Nitrophenol	139	5.193	5.193	0.000	84	432243	12.5	12.7	
44 2,4-Dimethylphenol	107	5.240	5.240	0.000	95	1083654	12.5	13.7	
46 o,o',o''-Triethylphosphorothioat	198	5.304	5.304	0.000	90	356155	12.5	12.2	
47 Bis(2-chloroethoxy)methane	93	5.333	5.333	0.000	97	1262601	12.5	13.8	
49 2,4-Dichlorophenol	162	5.427	5.427	0.000	94	683688	12.5	13.7	
50 1,2,4-Trichlorobenzene	180	5.503	5.503	0.000	92	737691	12.5	12.8	
* 52 Naphthalene-d8	136	5.555	5.555	0.000	99	831564	5.00	5.00	
53 Naphthalene	128	5.578	5.578	0.000	98	2282465	12.5	12.9	
55 Alpha-Terpineol	59	5.590	5.590	0.000	91	870281	12.5	13.1	
56 4-Chloroaniline	127	5.637	5.637	0.000	93	998975	12.5	13.3	
57 2,6-Dichlorophenol	162	5.643	5.643	0.000	82	699754	12.5	13.7	
58 Hexachloropropene	213	5.660	5.660	0.000	96	557728	12.5	11.8	
59 Hexachlorobutadiene	225	5.695	5.695	0.000	95	522142	12.5	13.8	
61 Quinoline	129	5.900	5.900	0.000	93	1512779	12.5	13.5	
63 N-Nitrosodi-n-butylamine	84	5.964	5.964	0.000	89	956048	12.5	11.8	
62 Caprolactam	113	5.970	5.970	0.000	74	216005	12.5	11.7	
64 p-Phenylene diamine	108	5.981	5.981	0.000	92	935394	12.5	12.9	
65 4-Chloro-3-methylphenol	107	6.110	6.110	0.000	89	923404	12.5	13.1	
66 Safrole, Total	162	6.162	6.162	0.000	73	565909	12.5	12.3	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	89	1339000	12.5	13.0	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	90	1394804	12.5	13.1	
71 Hexachlorocyclopentadiene	237	6.390	6.390	0.000	95	690356	12.5	13.6	
70 1,2,4,5-Tetrachlorobenzene	216	6.402	6.402	0.000	98	784262	12.5	13.3	
72 Isosafrole Peak 1	162	6.443	6.443	0.000	78	102925	2.00	2.21	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	82	502753	12.5	14.0	
S 24 Dinitrotoluene	165				0		25.0	27.4	
80 2,4,5-Trichlorophenol	196	6.554	6.554	0.000	88	572548	12.5	13.8	
$ 81 2-Fluorobiphenyl (Surr)	172	6.594	6.594	0.000	99	3506039	25.0	26.8	
82 Isosafrole Peak 2	162	6.659	6.659	0.000	80	574498	10.5	10.8	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	97	1871791	12.5	12.6	
84 2-Chloronaphthalene	162	6.705	6.705	0.000	97	1565031	12.5	14.7	M
85 1-Chloronaphthalene	162	6.723	6.723	0.000	96	1272293	12.5	12.7	Ma
86 Phenyl ether	170	6.793	6.793	0.000	84	1019282	12.5	13.4	
87 2-Nitroaniline	138	6.811	6.811	0.000	73	512296	12.5	13.4	
88 1,4-Naphthoquinone	158	6.881	6.881	0.000	69	598945	12.5	13.2	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	84	211421	12.5	13.1	
90 Dimethyl phthalate	163	6.992	6.992	0.000	95	1809955	12.5	13.2	
91 1,3-Dinitrobenzene	168	7.015	7.015	0.000	78	248245	12.5	12.7	
92 2,6-Dinitrotoluene	165	7.044	7.044	0.000	77	379202	12.5	13.6	
93 Acenaphthylene	152	7.097	7.097	0.000	99	2247578	12.5	13.3	
95 3-Nitroaniline	138	7.202	7.202	0.000	83	448018	12.5	14.1	
* 96 Acenaphthene-d10	164	7.231	7.231	0.000	95	463358	5.00	5.00	
97 Acenaphthene	153	7.266	7.266	0.000	97	1546842	12.5	13.0	
98 2,4-Dinitrophenol	184	7.301	7.301	0.000	75	539087	25.0	28.6	
100 4-Nitrophenol	109	7.377	7.377	0.000	81	949846	25.0	28.8	
99 Pentachlorobenzene	250	7.389	7.389	0.000	96	678947	12.5	12.9	
102 2,4-Dinitrotoluene	165	7.424	7.424	0.000	79	551183	12.5	13.8	
101 Dibenzofuran	168	7.429	7.429	0.000	95	2136199	12.5	13.7	
104 1-Naphthylamine	143	7.505	7.505	0.000	95	1455282	12.5	13.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	77	484730	12.5	13.0	
106 2-Naphthylamine	143	7.581	7.581	0.000	93	1508057	12.5	13.4	
107 Diethyl phthalate	149	7.663	7.663	0.000	95	1906694	12.5	13.5	
109 Thionazin	107	7.739	7.739	0.000	73	315236	12.5	12.5	
108 Fluorene	166	7.756	7.756	0.000	94	1664069	12.5	12.9	
110 4-Chlorophenyl phenyl ether	204	7.762	7.762	0.000	94	785899	12.5	13.0	
111 N-Nitro-o-toluidine	152	7.774	7.774	0.000	84	459736	12.5	12.9	
112 4-Nitroaniline	138	7.786	7.786	0.000	73	436079	12.5	13.4	
113 4,6-Dinitro-2-methylphenol	198	7.809	7.809	0.000	67	661398	25.0	29.0	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	66	1140792	10.6	12.1	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	98	2637199	12.5	14.2	
$ 116 2,4,6-Tribromophenol	330	7.984	7.984	0.000	91	721914	25.0	27.0	
117 Sulfotepp	97	8.037	8.037	0.000	78	457417	12.5	13.6	
118 1,3,5-Trinitrobenzene	213	8.142	8.142	0.000	80	152296	12.5	14.6	
120 cis-Diallate	86	8.153	8.153	0.000	88	610455	9.25	9.89	
119 Phorate	75	8.159	8.159	0.000	92	1581801	12.5	12.6	
121 Phenacetin	108	8.183	8.183	0.000	87	1161394	12.5	14.2	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	73	490758	12.5	14.5	
123 trans-Diallate	86	8.235	8.235	0.000	90	222979	3.25	3.24	
124 Hexachlorobenzene	284	8.270	8.270	0.000	93	617312	12.5	14.2	
125 Dimethoate	87	8.323	8.323	0.000	94	887305	12.5	13.9	
126 Atrazine	200	8.393	8.393	0.000	86	492182	12.5	13.3	
127 Pentachlorophenol	266	8.469	8.469	0.000	90	890363	25.0	31.2	
129 4-Aminobiphenyl	169	8.475	8.475	0.000	91	1892958	12.5	14.2	
128 Pentachloronitrobenzene	237	8.475	8.475	0.000	50	321438	12.5	14.0	
130 Pronamide	173	8.539	8.539	0.000	90	810609	12.5	13.7	
* 131 Phenanthrene-d10	188	8.644	8.644	0.000	96	806658	5.00	5.00	
133 Dinoseb	211	8.650	8.650	0.000	91	411554	12.5	14.2	
134 Disulfoton	88	8.661	8.661	0.000	96	1314600	12.5	13.3	
132 Phenanthrene	178	8.667	8.667	0.000	97	2471761	12.5	13.8	
135 Anthracene	178	8.714	8.714	0.000	98	2563352	12.5	14.3	
136 Carbazole	167	8.878	8.878	0.000	96	2345192	12.5	14.7	
137 Methyl parathion	109	9.012	9.012	0.000	89	716907	12.5	13.9	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	100	3017072	12.5	13.9	
139 Ethyl Parathion	109	9.391	9.391	0.000	80	451263	12.5	13.7	
140 4-Nitroquinoline-1-oxide	190	9.415	9.415	0.000	84	242497	12.5	14.8	
142 Octachlorostyrene	308	9.619	9.619	0.000	90	274037	12.5	13.3	
S 68 Diallate	86				0		12.5	13.1	
143 Isodrin	193	9.654	9.654	0.000	89	296300	12.5	13.3	
144 Fluoranthene	202	9.800	9.800	0.000	99	2807252	12.5	14.4	
145 Benzidine	184	9.946	9.946	0.000	99	6122149	37.5	43.8	
* 146 Pyrene-d10 (IS)	212	9.993	9.993	0.000	97	870930	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	2874188	12.5	13.0	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	99	3779262	25.0	27.2	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	89	406741	12.5	12.7	
150 Chlorobenzilate	139	10.366	10.366	0.000	81	1006267	12.5	13.4	
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	98	1416672	12.5	13.6	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	92	1314887	12.5	12.7	
155 2-Acetylaminofluorene	181	10.939	10.939	0.000	92	1017553	12.5	13.3	
S 94 Isosafrole	162				0		12.5	13.0	
157 3,3'-Dichlorobenzidine	252	11.266	11.266	0.000	78	1150819	12.5	14.0	
158 4,4'-Methylene bis(2-chloroani	231	11.277	11.277	0.000	80	540664	12.5	13.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
156 Benzo[a]anthracene	228	11.277	11.277	0.000	98	2666008	12.5	13.5	
159 Chrysene	228	11.318	11.318	0.000	97	2459963	12.5	13.3	
160 Bis(2-ethylhexyl) phthalate	149	11.365	11.365	0.000	96	1931404	12.5	13.4	
161 6-Methylchrysene	242	11.879	11.879	0.000	99	1633327	12.5	13.0	
162 Di-n-octyl phthalate	149	12.217	12.217	0.000	99	3275901	12.5	13.4	
164 Benzo[b]fluoranthene	252	12.661	12.661	0.000	97	2816736	12.5	13.9	
163 7,12-Dimethylbenz(a)anthracene	256	12.661	12.661	0.000	72	1052763	12.5	13.7	
165 Benzo[k]fluoranthene	252	12.702	12.702	0.000	100	2595135	12.5	12.7	
166 Benzo[a]pyrene	252	13.117	13.117	0.000	78	2607195	12.5	12.4	
* 167 Perylene-d12	264	13.198	13.198	0.000	99	867161	5.00	5.00	
168 3-Methylcholanthrene	268	13.631	13.631	0.000	91	1194794	12.5	12.8	
169 Dibenz[a,h]acridine	279	14.425	14.425	0.000	91	1903740	12.5	12.9	
170 Dibenz[a,j]acridine	279	14.495	14.495	0.000	96	2163927	12.5	12.8	
171 Indeno[1,2,3-cd]pyrene	276	14.717	14.717	0.000	99	2623961	12.5	13.3	
172 Dibenz(a,h)anthracene	278	14.757	14.757	0.000	92	2491240	12.5	13.3	
173 Benzo[g,h,i]perylene	276	15.073	15.073	0.000	98	2597239	12.5	13.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_6_00065 Amount Added: 1.00 Units: mL

Report Date: 08-May-2025 09:30:30 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0751a.D

Injection Date: 07-May-2025 23:49:30 Instrument ID: HP23264 Operator ID: IR93211

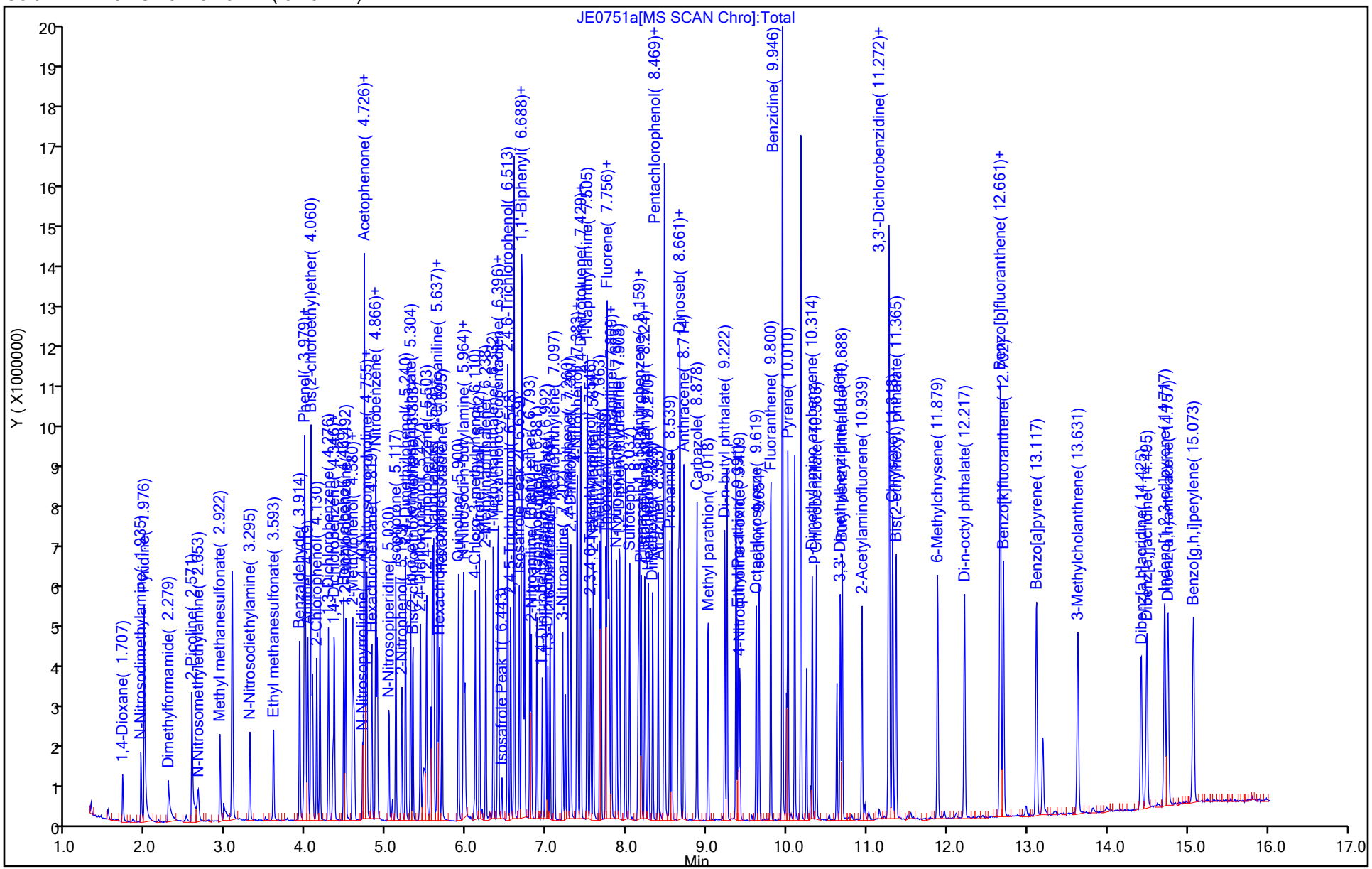
Lims ID: ICIS L6 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

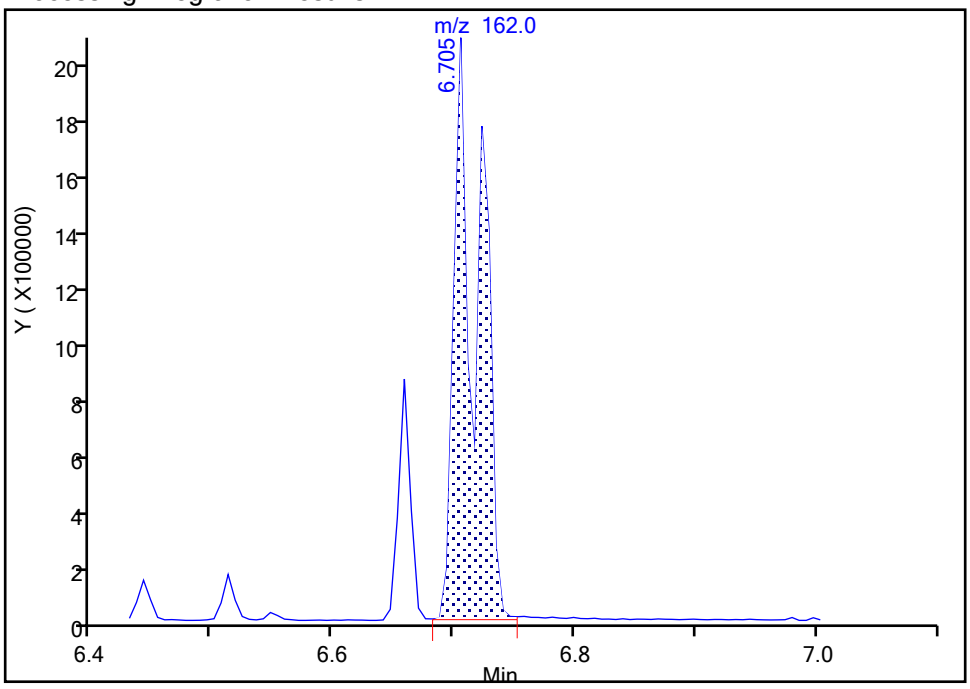
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0751a.D				
Injection Date:	07-May-2025 23:49:30	Instrument ID:	HP23264		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

84 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

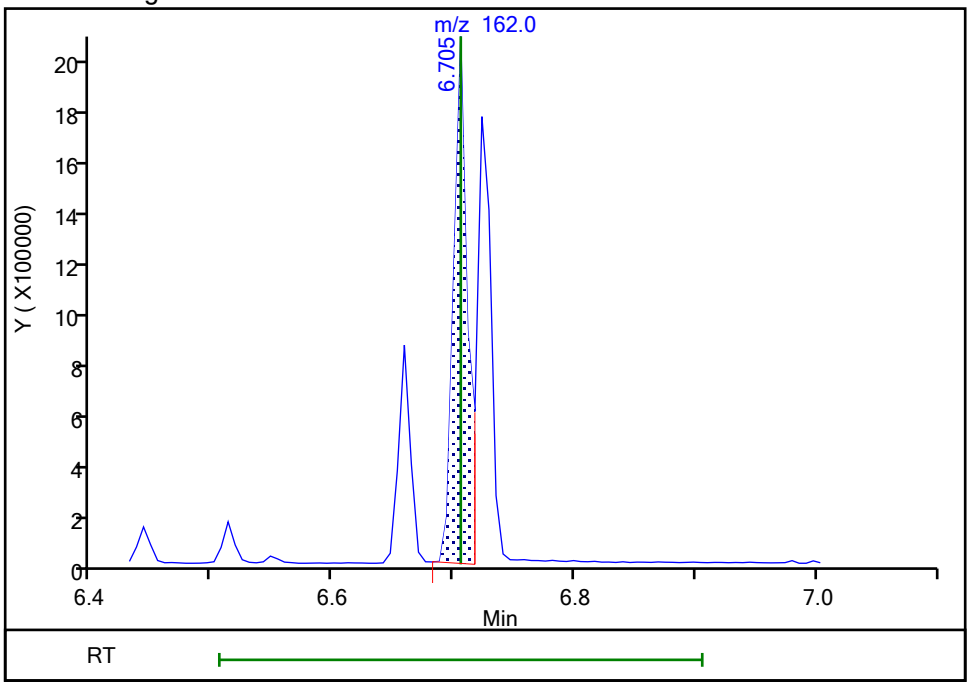
Processing Integration Results

RT: 6.71
Area: 2837327
Amount: 12.858392
Amount Units: ug/ml



Manual Integration Results

RT: 6.71
Area: 1565031
Amount: 14.746651
Amount Units: ug/ml



Reviewer: N5QU, 08-May-2025 00:45:35 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

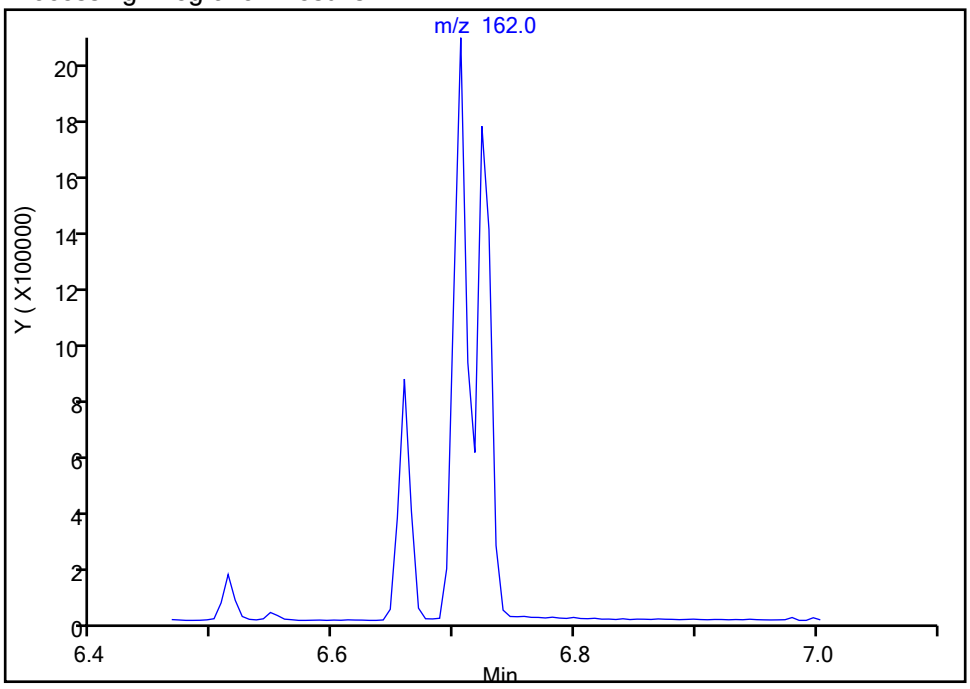
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0751a.D				
Injection Date:	07-May-2025 23:49:30	Instrument ID:	HP23264		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

85 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

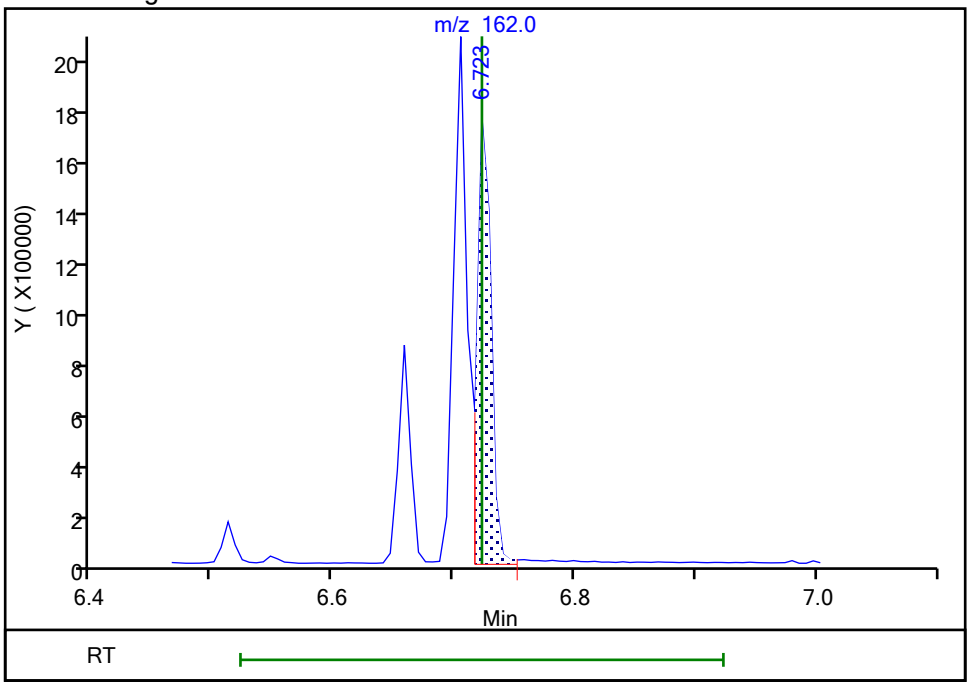
Not Detected
Expected RT: 6.72

Processing Integration Results



Manual Integration Results

RT: 6.72
Area: 1272293
Amount: 12.688580
Amount Units: ug/ml



Reviewer: N5QU, 08-May-2025 00:45:42 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0752.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 08-May-2025 00:10:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8
Misc. Info.: 410-0146504-003
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:30:49 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: N5QU Date: 08-May-2025 00:48:27

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.696	1.707	-0.011	94	741228	30.0	27.7	
	2 N-Nitrosodimethylamine	74	1.923	1.935	-0.012	94	1382482	30.0	31.5	
	3 Pyridine	79	1.964	1.976	-0.012	97	4450811	60.0	62.0	
	4 Dimethylformamide	73	2.262	2.279	-0.017	94	1653063	30.0	33.8	
	5 2-Picoline	93	2.560	2.571	-0.011	89	2034040	30.0	31.0	
	6 N-Nitrosomethylethylamine	88	2.641	2.653	-0.012	94	864024	30.0	29.4	
	7 Methyl methanesulfonate	80	2.916	2.922	-0.006	88	1369721	30.0	29.4	
$	9 2-Fluorophenol	112	3.074	3.074	0.000	93	3515494	60.0	65.7	
	11 N-Nitrosodiethylamine	102	3.290	3.295	-0.005	96	869020	30.0	32.9	
	12 Ethyl methanesulfonate	109	3.587	3.593	-0.006	94	867550	30.0	30.8	
	13 Benzaldehyde	77	3.914	3.914	0.000	88	732639	30.0	11.7	
$	15 Phenol-d5	99	3.979	3.979	0.000	93	5230168	60.0	65.6	
	16 Phenol	94	3.990	3.990	0.000	93	2868342	30.0	34.1	
	17 Aniline	93	4.014	4.019	-0.005	94	3183245	30.0	34.3	
	18 Bis(2-chloroethyl)ether	93	4.078	4.078	0.000	93	1813742	30.0	29.6	
	19 2-Chlorophenol	128	4.130	4.130	0.000	88	1551954	30.0	31.9	
	21 1,3-Dichlorobenzene	146	4.276	4.276	0.000	90	1692117	30.0	31.0	
*	22 1,4-Dichlorobenzene-d4	152	4.329	4.335	-0.006	94	180187	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.346	4.352	-0.006	85	1683664	30.0	29.2	
	26 Benzyl alcohol	108	4.469	4.469	0.000	86	1297914	30.0	33.0	
	27 1,2-Dichlorobenzene	146	4.492	4.492	0.000	90	1633116	30.0	30.9	
	29 2-Methylphenol	108	4.580	4.580	0.000	95	1752697	30.0	32.7	
	30 2,2'-oxybis[1-chloropropane]	45	4.598	4.598	0.000	87	2037983	30.0	29.1	
	31 N-Nitrosopyrrolidine	100	4.708	4.703	0.005	91	983482	30.0	30.6	
	32 Acetophenone	105	4.720	4.726	-0.006	87	3003676	30.0	31.9	
	33 N-Nitrosodi-n-propylamine	70	4.726	4.726	0.000	84	1803886	30.0	31.6	
	34 4-Methylphenol	108	4.726	4.732	-0.006	92	2078819	30.0	34.5	
	35 N-Nitrosomorpholine	56	4.749	4.743	0.006	83	1368944	30.0	31.7	
	36 2-Toluidine	106	4.755	4.755	0.000	94	2809329	30.0	31.0	
	37 Hexachloroethane	117	4.814	4.819	-0.005	95	847847	30.0	29.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.866	4.866	0.000	89	5638985	60.0	65.2	
40 Nitrobenzene	77	4.884	4.884	0.000	85	2704843	30.0	31.9	
41 N-Nitrosopiperidine	114	5.030	5.035	-0.005	79	832402	30.0	30.2	
42 Isophorone	82	5.117	5.117	0.000	96	4654017	30.0	31.4	
43 2-Nitrophenol	139	5.187	5.193	-0.006	83	845920	30.0	29.8	
44 2,4-Dimethylphenol	107	5.240	5.240	0.000	96	2200994	30.0	33.4	
46 o,o',o''-Triethylphosphorothioat	198	5.304	5.304	0.000	90	730862	30.0	30.0	
47 Bis(2-chloroethoxy)methane	93	5.327	5.333	-0.006	96	2400458	30.0	31.6	
49 2,4-Dichlorophenol	162	5.427	5.427	0.000	94	1412259	30.0	33.9	
54 alpha,alpha-Dimethyl phenethylam	58		5.438				ND	ND	U
50 1,2,4-Trichlorobenzene	180	5.497	5.503	-0.006	92	1505130	30.0	31.3	
* 52 Naphthalene-d8	136	5.555	5.555	0.000	99	693092	5.00	5.00	
53 Naphthalene	128	5.573	5.578	-0.005	98	4560544	30.0	30.8	
55 Alpha-Terpineol	59	5.590	5.590	0.000	92	1758241	30.0	31.7	
56 4-Chloroaniline	127	5.637	5.637	0.000	92	2058027	30.0	32.9	
57 2,6-Dichlorophenol	162	5.643	5.643	0.000	91	1357740	30.0	31.9	
58 Hexachloropropene	213	5.660	5.660	0.000	97	1199296	30.0	30.5	
59 Hexachlorobutadiene	225	5.695	5.695	0.000	96	1013349	30.0	32.2	
61 Quinoline	129	5.900	5.900	0.000	92	2932925	30.0	31.4	
63 N-Nitrosodi-n-butylamine	84	5.958	5.964	-0.006	88	1947821	30.0	28.9	
62 Caprolactam	113	5.976	5.970	0.006	76	476042	30.0	30.8	
64 p-Phenylene diamine	108	5.981	5.981	0.000	91	1914096	30.0	30.5	
65 4-Chloro-3-methylphenol	107	6.110	6.110	0.000	89	1897476	30.0	32.2	
66 Safrole, Total	162	6.162	6.162	0.000	76	1142523	30.0	29.8	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	89	2644129	30.0	30.7	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	90	2806979	30.0	31.7	
71 Hexachlorocyclopentadiene	237	6.390	6.390	0.000	97	1353037	30.0	30.1	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.402	-0.006	98	1593176	30.0	30.5	
72 Isosafrole Peak 1	162	6.443	6.443	0.000	77	202326	4.80	4.89	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	84	1033767	30.0	32.3	
S 24 Dinitrotoluene	165				0		60.0	63.0	
80 2,4,5-Trichlorophenol	196	6.554	6.554	0.000	88	1127165	30.0	30.5	
$ 81 2-Fluorobiphenyl (Surr)	172	6.594	6.594	0.000	97	6753511	60.0	58.2	e
82 Isosafrole Peak 2	162	6.659	6.659	0.000	80	1129777	25.2	24.0	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	96	3872032	30.0	29.4	
84 2-Chloronaphthalene	162	6.705	6.705	0.000	97	3232872	30.0	34.3	M
85 1-Chloronaphthalene	162	6.723	6.723	0.000	96	2478110	30.0	27.8	Ma
86 Phenyl ether	170	6.787	6.793	-0.006	84	2007598	30.0	29.7	
87 2-Nitroaniline	138	6.811	6.811	0.001	73	1054341	30.0	31.0	
88 1,4-Naphthoquinone	158	6.881	6.881	0.000	68	1187718	30.0	29.6	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	84	446970	30.0	31.1	
90 Dimethyl phthalate	163	6.992	6.992	0.000	95	3623404	30.0	29.8	
91 1,3-Dinitrobenzene	168	7.015	7.015	0.000	78	520365	30.0	30.0	
92 2,6-Dinitrotoluene	165	7.044	7.044	0.000	78	768667	30.0	31.1	
93 Acenaphthylene	152	7.097	7.097	0.000	99	4539360	30.0	30.2	
95 3-Nitroaniline	138	7.202	7.202	0.000	83	912441	30.0	32.4	
* 96 Acenaphthene-d10	164	7.231	7.231	0.000	95	411545	5.00	5.00	
97 Acenaphthene	153	7.260	7.266	-0.006	97	3148199	30.0	29.7	
98 2,4-Dinitrophenol	184	7.307	7.301	0.006	75	1130648	60.0	67.6	
100 4-Nitrophenol	109	7.383	7.377	0.006	86	1882603	60.0	64.2	
99 Pentachlorobenzene	250	7.389	7.389	0.000	96	1365449	30.0	29.3	
102 2,4-Dinitrotoluene	165	7.429	7.424	0.005	69	1129324	30.0	31.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.429	7.429	0.000	92	4112600	30.0	29.8	
104 1-Naphthylamine	143	7.505	7.505	0.000	96	3045394	30.0	32.1	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	77	1005883	30.0	30.3	
106 2-Naphthylamine	143	7.581	7.581	0.000	93	3027020	30.0	30.2	
107 Diethyl phthalate	149	7.663	7.663	0.000	95	3865225	30.0	30.7	
109 Thionazin	107	7.745	7.739	0.006	75	688846	30.0	30.8	
108 Fluorene	166	7.756	7.756	0.000	97	3350904	30.0	29.3	
110 4-Chlorophenyl phenyl ether	204	7.762	7.762	0.000	94	1590328	30.0	29.5	
111 N-Nitro-o-toluidine	152	7.774	7.774	0.000	84	905501	30.0	28.5	
112 4-Nitroaniline	138	7.791	7.786	0.005	73	863765	30.0	29.9	
113 4,6-Dinitro-2-methylphenol	198	7.815	7.809	0.006	69	1439631	60.0	63.4	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	65	2306588	25.5	24.5	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	98	5515215	30.0	29.8	
$ 116 2,4,6-Tribromophenol	330	7.984	7.984	0.000	92	1486988	60.0	62.7	
117 Sulfotepp	97	8.037	8.037	0.000	79	969859	30.0	29.0	
118 1,3,5-Trinitrobenzene	213	8.148	8.142	0.006	81	338234	30.0	32.7	
120 cis-Diallate	86	8.148	8.153	-0.005	87	1295162	22.2	21.1	
119 Phorate	75	8.159	8.159	0.000	93	4960785	30.0	39.5	
121 Phenacetin	108	8.189	8.183	0.006	87	2461722	30.0	30.2	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	71	1015919	30.0	30.1	
123 trans-Diallate	86	8.235	8.235	0.000	90	472217	7.80	6.89	
124 Hexachlorobenzene	284	8.270	8.270	0.000	93	1259772	30.0	29.0	
125 Dimethoate	87	8.329	8.323	0.006	95	1856712	30.0	29.2	
126 Atrazine	200	8.393	8.393	0.000	86	931351	30.0	25.3	
127 Pentachlorophenol	266	8.469	8.469	0.000	91	1785379	60.0	62.8	
129 4-Aminobiphenyl	169	8.475	8.475	0.000	91	3927813	30.0	29.6	
128 Pentachloronitrobenzene	237	8.475	8.475	0.000	52	677592	30.0	29.6	
130 Pronamide	173	8.539	8.539	0.000	89	1699591	30.0	28.8	
* 131 Phenanthrene-d10	188	8.644	8.644	0.000	96	803087	5.00	5.00	
133 Dinoseb	211	8.650	8.650	0.000	90	933195	30.0	32.4	
134 Disulfoton	88	8.661	8.661	0.000	96	2783115	30.0	28.2	
132 Phenanthrene	178	8.667	8.667	0.000	96	5353917	30.0	30.1	
135 Anthracene	178	8.714	8.714	0.000	98	5388972	30.0	30.1	
136 Carbazole	167	8.878	8.878	0.000	96	4951156	30.0	31.2	
137 Methyl parathion	109	9.012	9.012	0.000	89	1576568	30.0	30.8	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	6298265	30.0	29.2	e
139 Ethyl Parathion	109	9.386	9.391	-0.005	81	998334	30.0	30.4	
140 4-Nitroquinoline-1-oxide	190	9.415	9.415	0.000	86	546398	30.0	33.5	
142 Octachlorostyrene	308	9.613	9.619	-0.006	91	544207	30.0	26.5	
S 68 Diallate	86				0		30.0	28.0	
143 Isodrin	193	9.648	9.654	-0.006	89	640120	30.0	29.0	
144 Fluoranthene	202	9.800	9.800	0.000	98	5976422	30.0	30.8	
145 Benzidine	184	9.946	9.946	0.000	94	9306451	90.0	72.5	e
* 146 Pyrene-d10 (IS)	212	9.993	9.993	0.000	98	801148	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	6141884	30.0	30.3	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	99	7612471	60.0	59.6	e
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	89	877791	30.0	29.8	
150 Chlorobenzilate	139	10.366	10.366	0.000	81	2130642	30.0	30.9	
151 Famphur	218		10.618				ND	ND	U
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	99	2779104	30.0	28.9	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	93	2922614	30.0	30.7	
155 2-Acetylaminofluorene	181	10.939	10.939	0.000	93	2339837	30.0	33.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		30.0	28.9	
157 3,3'-Dichlorobenzidine	252	11.266	11.266	0.000	78	2455570	30.0	32.4	
158 4,4'-Methylene bis(2-chloroanil	231	11.277	11.277	0.000	90	1104128	30.0	29.8	
156 Benzo[a]anthracene	228	11.277	11.277	0.000	99	5714915	30.0	31.5	
159 Chrysene	228	11.318	11.318	0.000	97	5261375	30.0	31.0	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.365	-0.006	96	4224302	30.0	31.8	
S 103 Aramite, Total	185		11.583				30.0	ND	
161 6-Methylchrysene	242	11.879	11.879	0.000	99	3592607	30.0	31.0	
162 Di-n-octyl phthalate	149	12.212	12.217	-0.005	99	7164621	30.0	32.6	
164 Benzo[b]fluoranthene	252	12.667	12.661	0.006	96	5907431	30.0	32.5	
163 7,12-Dimethylbenz(a)anthracene	256	12.667	12.661	0.006	75	2326029	30.0	33.5	
165 Benzo[k]fluoranthene	252	12.702	12.702	0.000	100	5527501	30.0	30.0	
166 Benzo[a]pyrene	252	13.117	13.117	0.000	78	5498969	30.0	29.1	
* 167 Perylene-d12	264	13.193	13.198	-0.005	99	780877	5.00	5.00	
168 3-Methylcholanthrene	268	13.631	13.631	0.001	91	2597295	30.0	31.0	
169 Dibenz[a,h]acridine	279	14.419	14.425	-0.006	91	4101891	30.0	30.9	
170 Dibenz[a,j]acridine	279	14.495	14.495	0.000	96	4692815	30.0	30.8	
171 Indeno[1,2,3-cd]pyrene	276	14.717	14.717	0.000	99	5459521	30.0	30.7	
172 Dibenz(a,h)anthracene	278	14.757	14.757	0.000	92	5271458	30.0	31.2	
173 Benzo[g,h,i]perylene	276	15.079	15.073	0.006	98	5416409	30.0	31.2	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_8_00042 Amount Added: 1.00 Units: mL

Report Date: 08-May-2025 09:30:49 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0752.D

Injection Date: 08-May-2025 00:10:30 Instrument ID: HP23264 Operator ID: IR93211

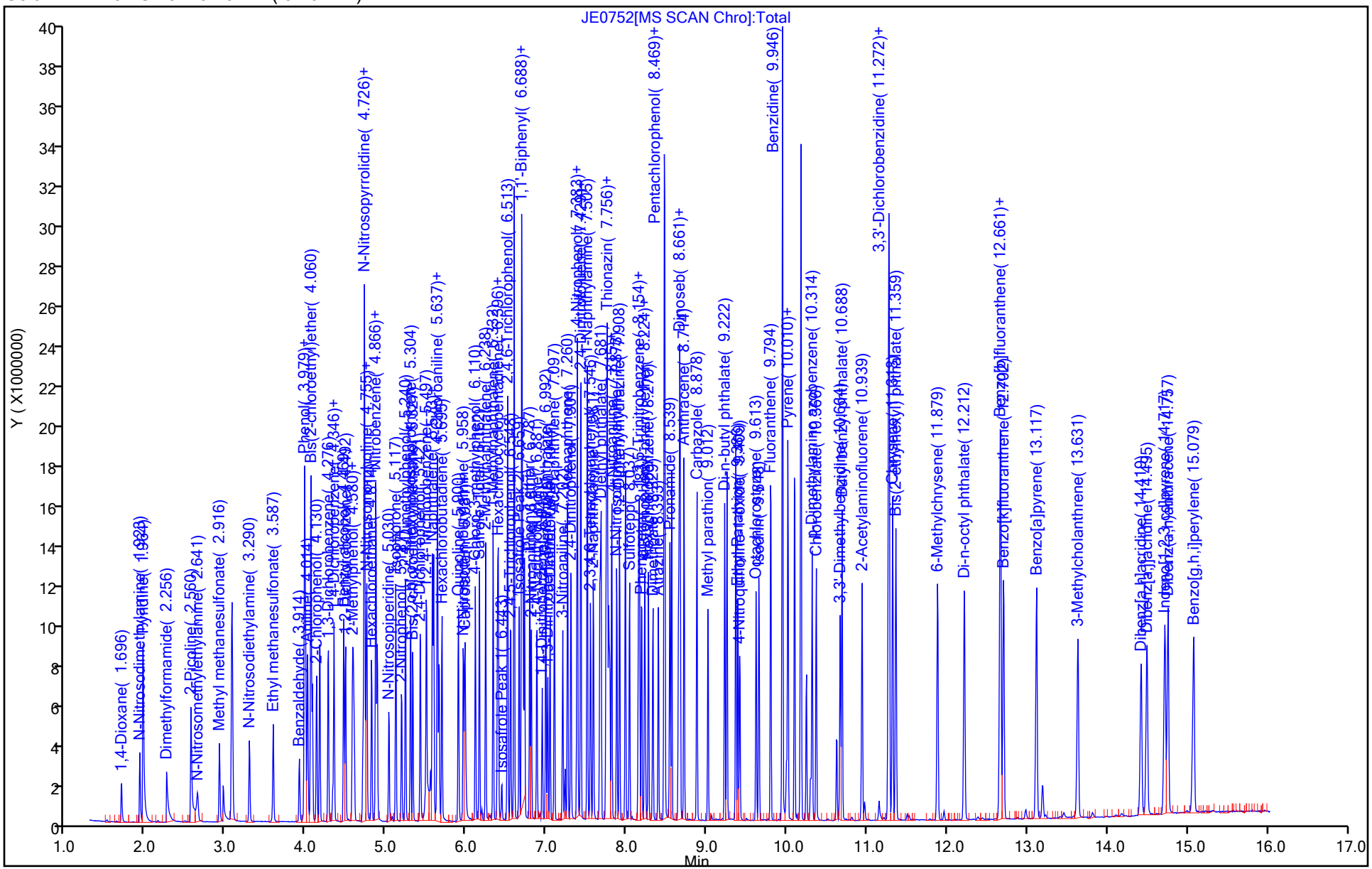
Lims ID: IC L8 Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

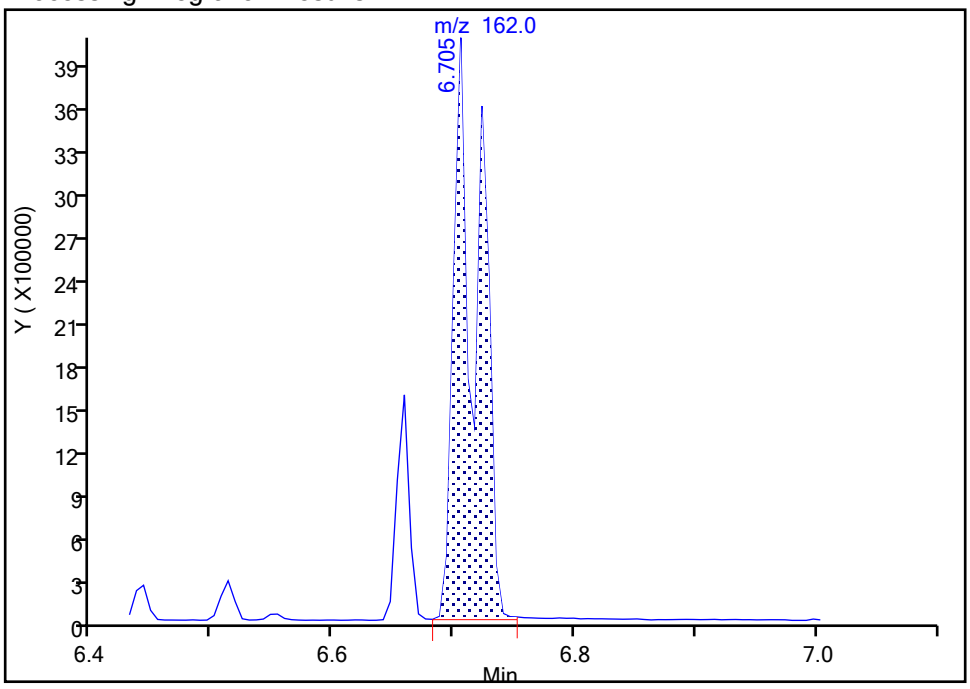
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0752.D				
Injection Date:	08-May-2025 00:10:30	Instrument ID:	HP23264		
Lims ID:	IC L8				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

84 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

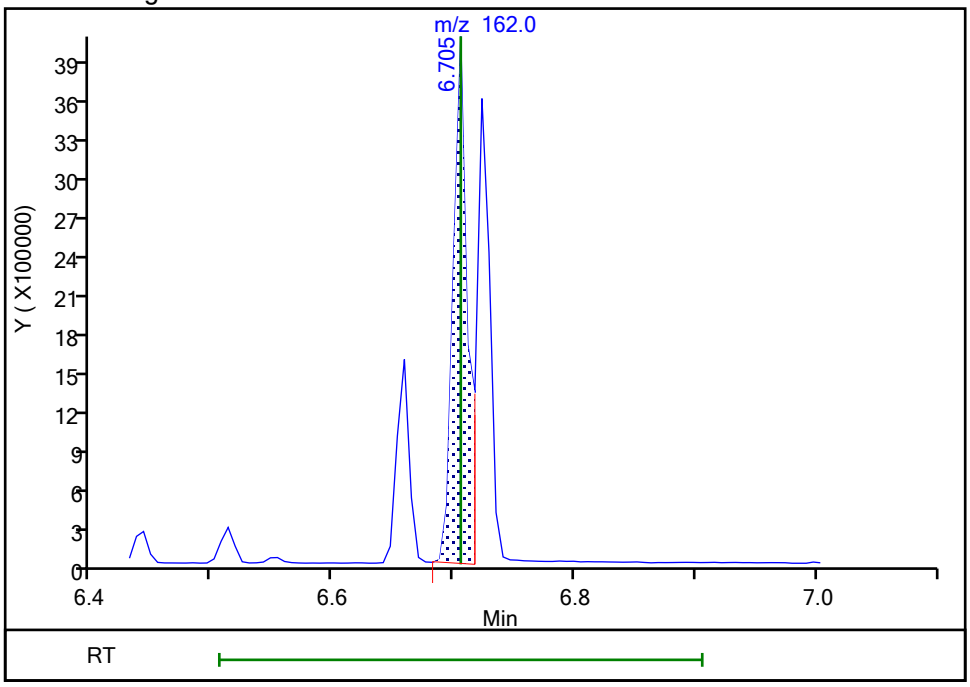
Processing Integration Results

RT: 6.71
Area: 5710983
Amount: 37.875214
Amount Units: ug/ml



Manual Integration Results

RT: 6.71
Area: 3232872
Amount: 34.297172
Amount Units: ug/ml



Reviewer: N5QU, 08-May-2025 00:48:17 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

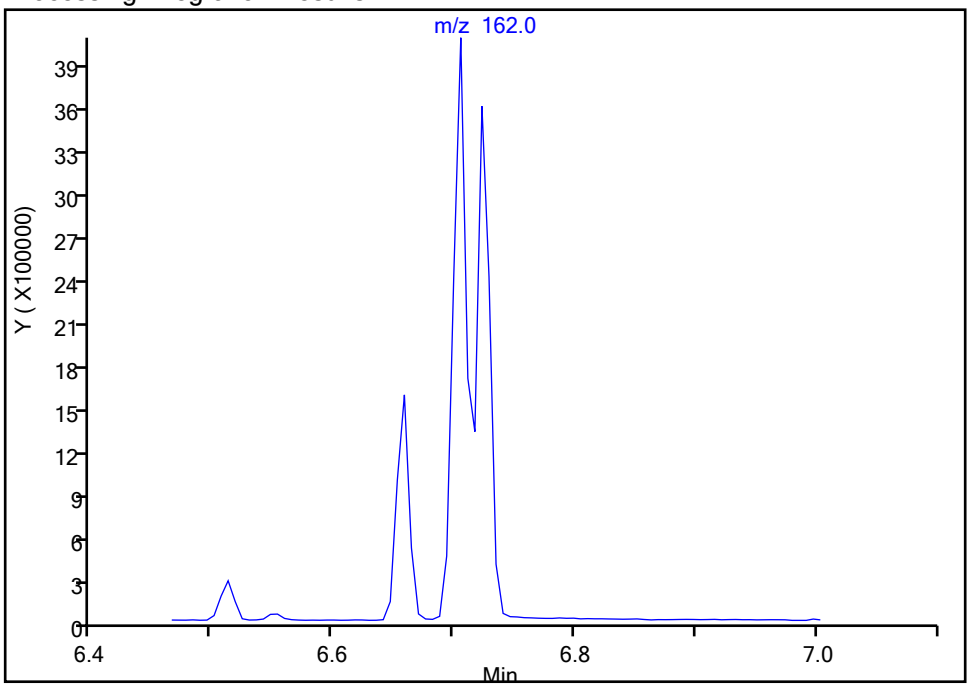
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0752.D				
Injection Date:	08-May-2025 00:10:30	Instrument ID:	HP23264		
Lims ID:	IC L8				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

85 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

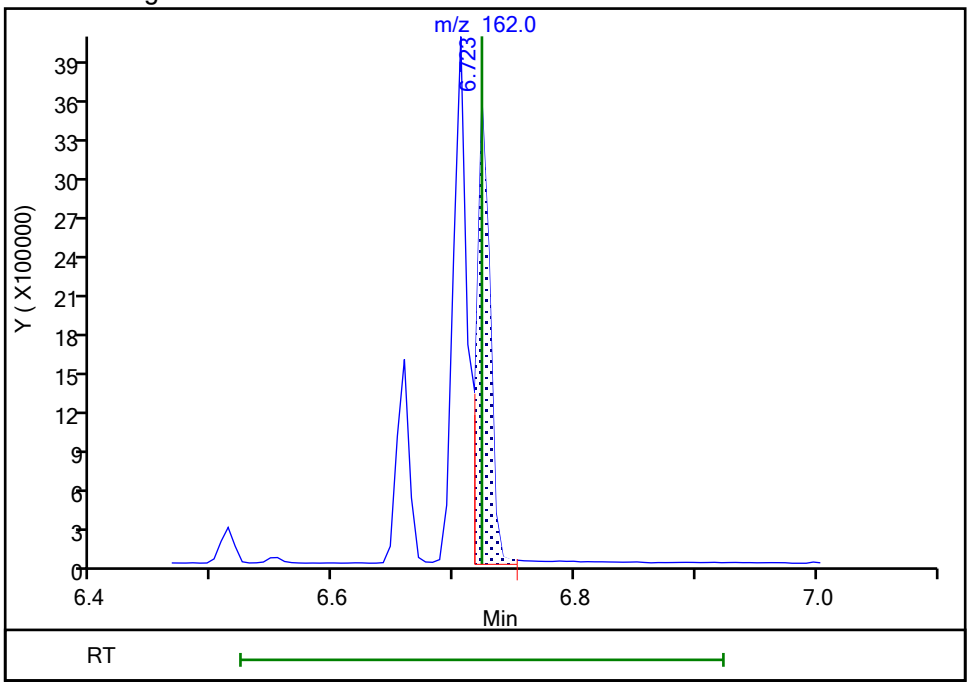
Not Detected
Expected RT: 6.72

Processing Integration Results



Manual Integration Results

RT: 6.72
Area: 2478110
Amount: 27.825681
Amount Units: ug/ml



Reviewer: N5QU, 08-May-2025 00:48:24 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

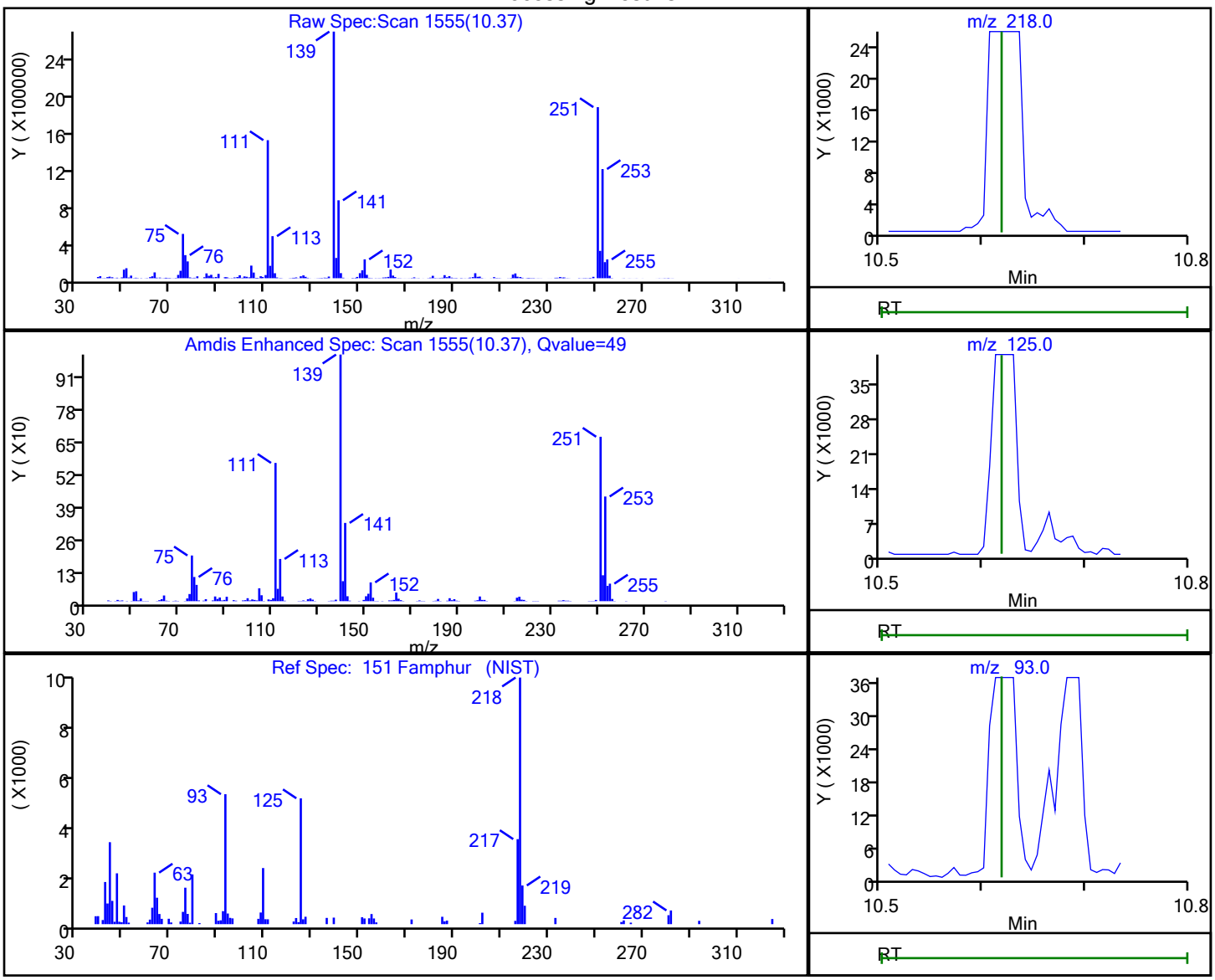
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0752.D				
Injection Date:	08-May-2025 00:10:30	Instrument ID:	HP23264		
Lims ID:	IC L8				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Famphur, CAS: 52-85-7

Processing Results



RT	Mass	Response	Amount
10.37	218.00	10945	30.000000
10.37	125.00	16392	
10.37	93.00	16003	

Reviewer: N5QU, 08-May-2025 00:50:24 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0753.D
Lims ID: IC L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 08-May-2025 00:31:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7
Misc. Info.: 410-0146504-004
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:31:09 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: N5QU Date: 08-May-2025 00:54:43

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.696	1.707	-0.011	92	552188	20.0	19.0	
	2 N-Nitrosodimethylamine	74	1.923	1.935	-0.012	93	964548	20.0	20.2	
	3 Pyridine	79	1.964	1.976	-0.012	97	3150074	40.0	40.3	
	4 Dimethylformamide	73	2.262	2.279	-0.017	94	1065668	20.0	20.0	
	5 2-Picoline	93	2.560	2.571	-0.011	89	1405312	20.0	19.7	
	6 N-Nitrosomethylethylamine	88	2.642	2.653	-0.011	95	618516	20.0	19.3	
	7 Methyl methanesulfonate	80	2.916	2.922	-0.006	87	950633	20.0	18.8	
$	9 2-Fluorophenol	112	3.074	3.074	0.000	93	2486866	40.0	42.7	
	11 N-Nitrosodiethylamine	102	3.290	3.295	-0.005	94	594803	20.0	20.7	
	12 Ethyl methanesulfonate	109	3.588	3.593	-0.005	94	619010	20.0	20.2	
	13 Benzaldehyde	77	3.915	3.914	0.001	90	880573	20.0	12.9	
$	15 Phenol-d5	99	3.979	3.979	0.000	93	3601673	40.0	41.5	
	16 Phenol	94	3.990	3.990	0.000	93	1976971	20.0	21.6	
	17 Aniline	93	4.014	4.019	-0.005	94	2227705	20.0	22.0	
	18 Bis(2-chloroethyl)ether	93	4.078	4.078	0.000	92	1289617	20.0	19.3	
	19 2-Chlorophenol	128	4.125	4.130	-0.005	88	1083595	20.0	20.4	
	21 1,3-Dichlorobenzene	146	4.277	4.276	0.001	91	1194608	20.0	20.1	
*	22 1,4-Dichlorobenzene-d4	152	4.329	4.335	-0.006	95	196082	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.347	4.352	-0.005	87	1216913	20.0	19.4	
	26 Benzyl alcohol	108	4.463	4.469	-0.006	85	905889	20.0	21.2	
	27 1,2-Dichlorobenzene	146	4.493	4.492	0.001	90	1173690	20.0	20.4	
	29 2-Methylphenol	108	4.574	4.580	-0.006	95	1249820	20.0	21.4	
	30 2,2'-oxybis[1-chloropropane]	45	4.592	4.598	-0.006	88	1466206	20.0	19.3	
	31 N-Nitrosopyrrolidine	100	4.703	4.703	0.000	88	708979	20.0	20.2	
	32 Acetophenone	105	4.720	4.726	-0.006	94	2118938	20.0	20.7	
	33 N-Nitrosodi-n-propylamine	70	4.726	4.726	0.000	82	1294540	20.0	20.8	
	34 4-Methylphenol	108	4.726	4.732	-0.006	90	1285734	20.0	19.6	
	35 N-Nitrosomorpholine	56	4.744	4.743	0.001	86	968910	20.0	20.6	
	36 2-Toluidine	106	4.755	4.755	0.000	94	1957524	20.0	19.8	
	37 Hexachloroethane	117	4.814	4.819	-0.005	95	600140	20.0	19.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.866	4.866	0.000	88	3859543	40.0	41.9	
40 Nitrobenzene	77	4.884	4.884	0.000	86	1863013	20.0	20.6	
41 N-Nitrosopiperidine	114	5.030	5.035	-0.005	80	572554	20.0	19.5	
42 Isophorone	82	5.117	5.117	0.000	96	3336829	20.0	21.2	
43 2-Nitrophenol	139	5.187	5.193	-0.006	84	599863	20.0	19.9	
44 2,4-Dimethylphenol	107	5.240	5.240	0.000	95	1537865	20.0	21.9	
46 o,o',o''-Triethylphosphorothioat	198	5.304	5.304	0.000	91	497898	20.0	19.2	
47 Bis(2-chloroethoxy)methane	93	5.328	5.333	-0.005	97	1767772	20.0	21.9	
49 2,4-Dichlorophenol	162	5.421	5.427	-0.006	93	951237	20.0	21.5	
54 alpha,alpha-Dimethyl phenethylam	58		5.438				ND	ND	U
50 1,2,4-Trichlorobenzene	180	5.497	5.503	-0.006	92	1072486	20.0	21.0	
* 52 Naphthalene-d8	136	5.555	5.555	0.000	99	737191	5.00	5.00	
53 Naphthalene	128	5.573	5.578	-0.005	98	3242450	20.0	20.6	
55 Alpha-Terpineol	59	5.590	5.590	0.000	92	1243117	20.0	21.1	
56 4-Chloroaniline	127	5.631	5.637	-0.006	91	1431074	20.0	21.5	
57 2,6-Dichlorophenol	162	5.637	5.643	-0.006	84	970402	20.0	21.4	
58 Hexachloropropene	213	5.655	5.660	-0.005	96	827291	20.0	19.8	
59 Hexachlorobutadiene	225	5.695	5.695	0.000	96	722990	20.0	21.6	
61 Quinoline	129	5.894	5.900	-0.006	92	2088307	20.0	21.0	
63 N-Nitrosodi-n-butylamine	84	5.958	5.964	-0.006	88	1384974	20.0	19.3	
62 Caprolactam	113	5.970	5.970	0.000	76	330797	20.0	20.1	
64 p-Phenylene diamine	108	5.982	5.981	0.001	92	1251827	20.0	19.0	
65 4-Chloro-3-methylphenol	107	6.110	6.110	0.000	89	1318534	20.0	21.1	
66 Safrole, Total	162	6.163	6.162	0.001	73	782784	20.0	19.2	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	89	1925646	20.0	21.0	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	90	1960829	20.0	20.8	
71 Hexachlorocyclopentadiene	237	6.384	6.390	-0.006	95	953909	20.0	19.9	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.402	-0.006	98	1119948	20.0	20.2	
72 Isosafrole Peak 1	162	6.443	6.443	0.000	83	145238	3.20	3.30	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	90	721285	20.0	21.2	
S 24 Dinitrotoluene	165				0		40.0	41.9	
80 2,4,5-Trichlorophenol	196	6.548	6.554	-0.006	88	812668	20.0	20.7	
$ 81 2-Fluorobiphenyl (Surr)	172	6.595	6.594	0.001	99	5159555	40.0	41.8	
82 Isosafrole Peak 2	162	6.659	6.659	0.000	79	783753	16.8	15.6	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	96	2700258	20.0	19.3	
84 2-Chloronaphthalene	162	6.706	6.705	0.001	95	1990056	20.0	19.8	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	96	2054262	20.0	21.7	
86 Phenyl ether	170	6.787	6.793	-0.006	83	1437067	20.0	20.0	
87 2-Nitroaniline	138	6.805	6.811	-0.005	73	723835	20.0	20.0	
88 1,4-Naphthoquinone	158	6.875	6.881	-0.006	68	838802	20.0	19.6	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	83	295027	20.0	19.3	
90 Dimethyl phthalate	163	6.986	6.992	-0.006	95	2588553	20.0	20.0	
91 1,3-Dinitrobenzene	168	7.015	7.015	0.000	79	370275	20.0	20.1	
92 2,6-Dinitrotoluene	165	7.044	7.044	0.000	78	537699	20.0	20.4	
93 Acenaphthylene	152	7.097	7.097	0.000	99	3251906	20.0	20.4	
95 3-Nitroaniline	138	7.202	7.202	0.000	82	637824	20.0	21.3	
* 96 Acenaphthene-d10	164	7.231	7.231	0.000	95	437793	5.00	5.00	
97 Acenaphthene	153	7.260	7.266	-0.006	97	2236765	20.0	19.9	
98 2,4-Dinitrophenol	184	7.301	7.301	0.000	75	780362	40.0	43.8	
100 4-Nitrophenol	109	7.377	7.377	0.000	81	1297371	40.0	41.6	
99 Pentachlorobenzene	250	7.383	7.389	-0.006	96	974337	20.0	19.6	
102 2,4-Dinitrotoluene	165	7.424	7.424	0.000	77	807008	20.0	21.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.430	7.429	0.001	95	2953275	20.0	20.1	
104 1-Naphthylamine	143	7.506	7.505	0.001	95	2059319	20.0	20.4	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	76	724260	20.0	20.5	
106 2-Naphthylamine	143	7.581	7.581	0.000	93	2123566	20.0	19.9	
107 Diethyl phthalate	149	7.663	7.663	0.000	95	2745146	20.0	20.5	
109 Thionazin	107	7.739	7.739	0.000	73	496165	20.0	20.8	
108 Fluorene	166	7.751	7.756	-0.005	91	2340117	20.0	19.2	
110 4-Chlorophenyl phenyl ether	204	7.757	7.762	-0.005	93	1141239	20.0	19.9	
111 N-Nitro-o-toluidine	152	7.774	7.774	0.000	87	655294	20.0	19.4	
112 4-Nitroaniline	138	7.786	7.786	0.000	73	617771	20.0	20.1	
113 4,6-Dinitro-2-methylphenol	198	7.809	7.809	0.000	68	1030068	40.0	45.2	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	66	1611027	17.0	17.1	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	98	3903575	20.0	21.0	
$ 116 2,4,6-Tribromophenol	330	7.984	7.984	0.000	93	1079836	40.0	42.8	
117 Sulfotepp	97	8.031	8.037	-0.006	77	684537	20.0	20.4	
118 1,3,5-Trinitrobenzene	213	8.142	8.142	0.000	81	214599	20.0	20.7	
120 cis-Diallate	86	8.148	8.153	-0.005	84	920886	14.8	14.9	
119 Phorate	75	8.160	8.159	0.001	93	2365542	20.0	18.8	
121 Phenacetin	108	8.183	8.183	0.000	88	1723793	20.0	21.1	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	71	723035	20.0	21.4	
123 trans-Diallate	86	8.235	8.235	0.000	92	317855	5.20	4.62	
124 Hexachlorobenzene	284	8.270	8.270	0.000	93	864599	20.0	19.9	
125 Dimethoate	87	8.323	8.323	0.000	94	1317002	20.0	20.7	
126 Atrazine	200	8.393	8.393	0.000	86	696627	20.0	18.9	
127 Pentachlorophenol	266	8.469	8.469	0.000	91	1241435	40.0	43.5	
129 4-Aminobiphenyl	169	8.475	8.475	0.000	92	2704110	20.0	20.3	
128 Pentachloronitrobenzene	237	8.475	8.475	0.000	51	443013	20.0	19.3	
130 Pronamide	173	8.539	8.539	0.000	89	1180938	20.0	19.9	
* 131 Phenanthrene-d10	188	8.644	8.644	0.000	96	805341	5.00	5.00	
133 Dinoseb	211	8.650	8.650	0.000	91	624042	20.0	21.6	
134 Disulfoton	88	8.656	8.661	-0.005	96	1953002	20.0	19.7	
132 Phenanthrene	178	8.668	8.667	0.001	99	3594265	20.0	20.1	
135 Anthracene	178	8.714	8.714	0.000	99	3727435	20.0	20.8	
136 Carbazole	167	8.878	8.878	0.000	97	3462827	20.0	21.8	
137 Methyl parathion	109	9.012	9.012	0.000	89	1061994	20.0	20.7	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	4557324	20.0	21.1	
139 Ethyl Parathion	109	9.386	9.391	-0.005	80	738416	20.0	22.4	
140 4-Nitroquinoline-1-oxide	190	9.409	9.415	-0.006	85	368304	20.0	22.5	
142 Octachlorostyrene	308	9.613	9.619	-0.006	91	396213	20.0	19.2	
S 68 Diallate	86				0		20.0	19.6	
143 Isodrin	193	9.648	9.654	-0.006	89	455117	20.0	20.5	
144 Fluoranthene	202	9.794	9.800	-0.006	99	4223194	20.0	21.7	
145 Benzidine	184	9.946	9.946	0.000	99	7970064	60.0	61.7	e
* 146 Pyrene-d10 (IS)	212	9.993	9.993	0.000	97	806026	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	4255785	20.0	20.9	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	99	5650213	40.0	44.0	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	89	584474	20.0	19.7	
150 Chlorobenzilate	139	10.367	10.366	0.001	82	1534718	20.0	22.1	
151 Famphur	218		10.618				ND	ND	U
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	98	1948308	20.0	20.2	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	93	2052589	20.0	21.4	
155 2-Acetylaminofluorene	181	10.939	10.939	0.000	92	1562162	20.0	22.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		20.0	18.9	
157 3,3'-Dichlorobenzidine	252	11.266	11.266	0.000	78	1696833	20.0	22.2	
158 4,4'-Methylene bis(2-chloroanil	231	11.272	11.277	-0.005	87	772230	20.0	20.7	
156 Benzo[a]anthracene	228	11.278	11.277	0.001	99	3920574	20.0	21.5	
159 Chrysene	228	11.318	11.318	0.000	97	3580187	20.0	21.0	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.365	-0.006	96	3003613	20.0	22.5	
S 103 Aramite, Total	185		11.583				20.0	ND	
161 6-Methylchrysene	242	11.879	11.879	0.000	99	2450330	20.0	21.0	
162 Di-n-octyl phthalate	149	12.212	12.217	-0.005	99	5033721	20.0	23.3	
164 Benzo[b]fluoranthene	252	12.661	12.661	0.000	96	3876112	20.0	21.7	
163 7,12-Dimethylbenz(a)anthracene	256	12.661	12.661	0.000	72	1515484	20.0	22.2	
165 Benzo[k]fluoranthene	252	12.702	12.702	0.000	100	3939512	20.0	21.8	
166 Benzo[a]pyrene	252	13.111	13.117	-0.006	78	3796128	20.0	20.5	
* 167 Perylene-d12	264	13.193	13.198	-0.005	98	767251	5.00	5.00	
168 3-Methylcholanthrene	268	13.631	13.631	0.001	90	1745830	20.0	21.2	
169 Dibenz[a,h]acridine	279	14.419	14.425	-0.006	92	2774940	20.0	21.3	
170 Dibenz[a,j]acridine	279	14.489	14.495	-0.006	96	3141039	20.0	21.0	
171 Indeno[1,2,3-cd]pyrene	276	14.711	14.717	-0.006	99	3736568	20.0	21.4	
172 Dibenz(a,h)anthracene	278	14.752	14.757	-0.005	92	3647088	20.0	22.0	
173 Benzo[g,h,i]perylene	276	15.073	15.073	0.000	98	3697286	20.0	21.7	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

e - Potential Peak Saturated

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_7_00043 Amount Added: 1.00 Units: mL

Report Date: 08-May-2025 09:31:10 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0753.D

Injection Date: 08-May-2025 00:31:30 Instrument ID: HP23264 Operator ID: IR93211

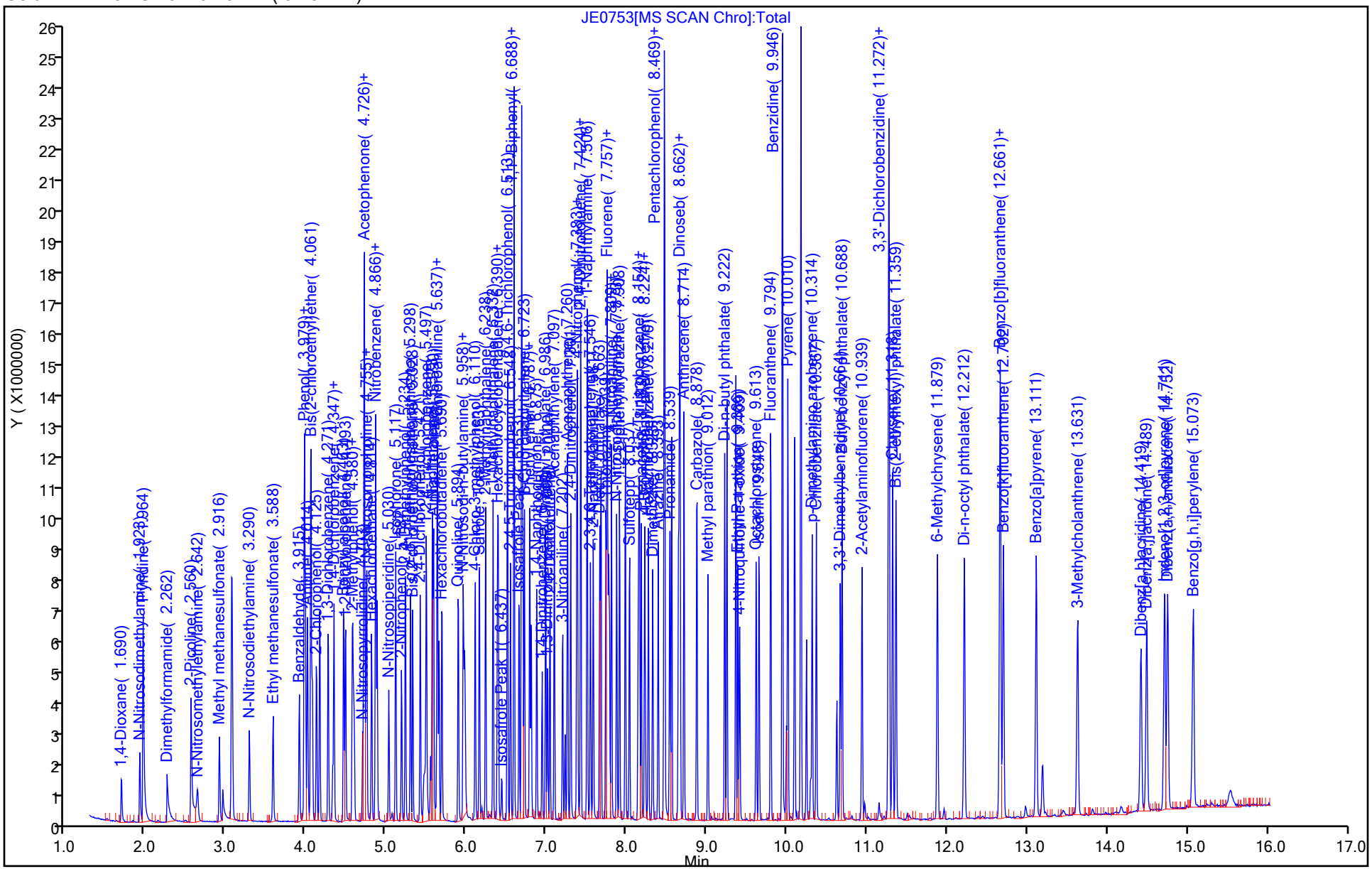
Lims ID: IC L7 Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



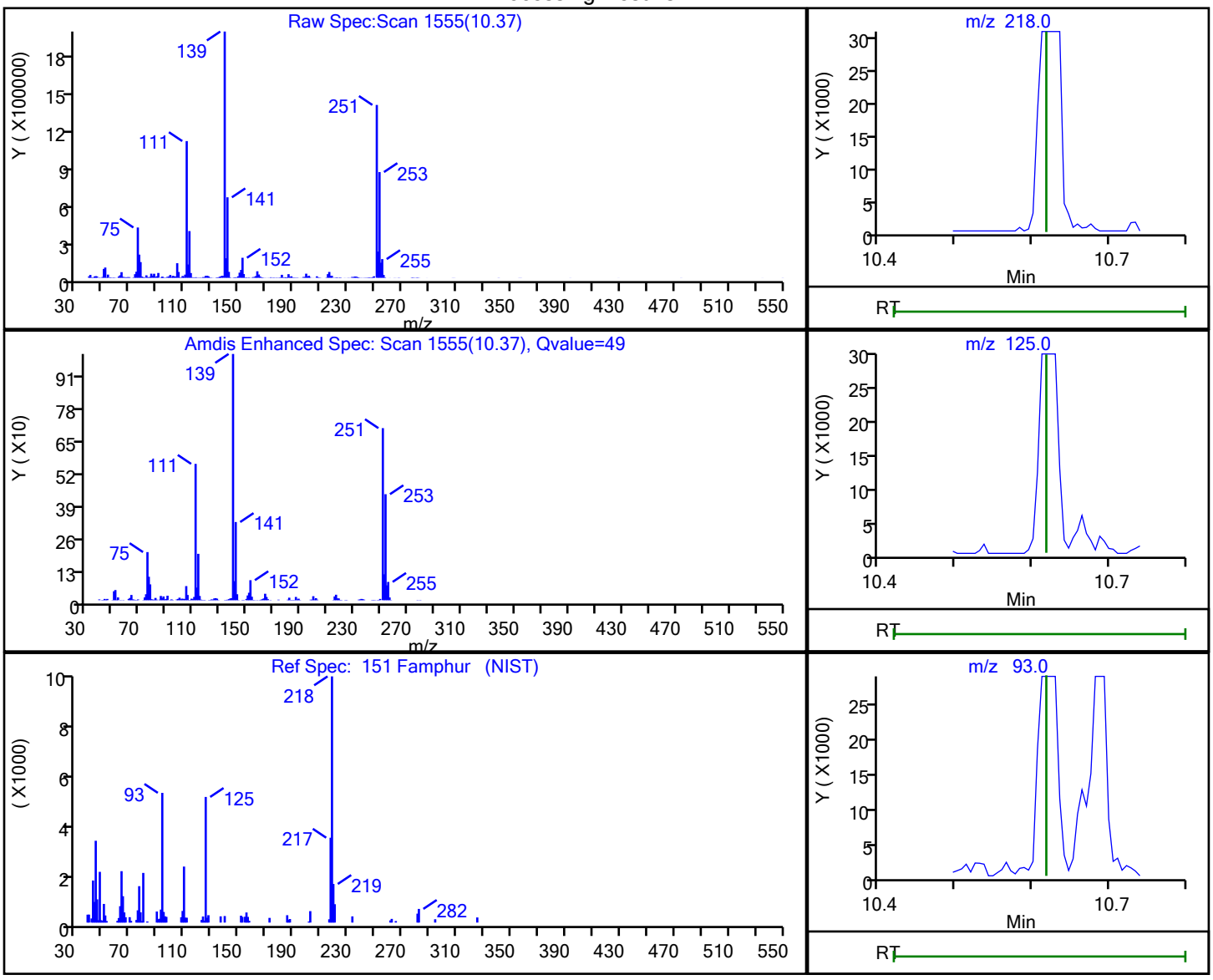
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0753.D				
Injection Date:	08-May-2025 00:31:30	Instrument ID:	HP23264		
Lims ID:	IC L7				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Famphur, CAS: 52-85-7

Processing Results



RT	Mass	Response	Amount
10.37	218.00	11160	20.000000
10.37	125.00	10455	
10.37	93.00	10747	

Reviewer: N5QU, 08-May-2025 00:53:42 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0754.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 08-May-2025 00:53:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5
Misc. Info.: 410-0146504-005
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:31:31 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 06:55:15

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.695	1.695	0.000	96	195873	7.50	7.18	
	2 N-Nitrosodimethylamine	74	1.929	1.929	0.000	94	327681	7.50	7.31	
	3 Pyridine	79	1.970	1.970	0.000	97	1100835	15.0	15.0	
	4 Dimethylformamide	73	2.291	2.291	0.000	93	378499	7.50	7.59	
	5 2-Picoline	93	2.565	2.565	0.000	91	509261	7.50	7.61	
	6 N-Nitrosomethylethylamine	88	2.641	2.641	0.000	95	232721	7.50	7.75	
	7 Methyl methanesulfonate	80	2.916	2.916	0.000	88	359365	7.50	7.57	
$	9 2-Fluorophenol	112	3.068	3.068	0.000	93	843782	15.0	15.4	
	11 N-Nitrosodiethylamine	102	3.290	3.290	0.000	94	210984	7.50	7.82	
	12 Ethyl methanesulfonate	109	3.587	3.587	0.000	94	216876	7.50	7.54	
	13 Benzaldehyde	77	3.914	3.914	0.000	89	506605	7.50	7.90	
$	15 Phenol-d5	99	3.973	3.973	0.000	93	1192554	15.0	14.6	
	16 Phenol	94	3.990	3.990	0.000	92	658069	7.50	7.66	
	17 Aniline	93	4.014	4.014	0.000	93	744969	7.50	7.85	
	18 Bis(2-chloroethyl)ether	93	4.072	4.072	0.000	93	450152	7.50	7.19	
	19 2-Chlorophenol	128	4.124	4.124	0.000	91	390014	7.50	7.84	
	21 1,3-Dichlorobenzene	146	4.270	4.270	0.000	91	412718	7.50	7.40	
*	22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	94	183956	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.346	4.346	0.000	87	433955	7.50	7.36	
	26 Benzyl alcohol	108	4.463	4.463	0.000	86	308502	7.50	7.68	
	27 1,2-Dichlorobenzene	146	4.492	4.492	0.000	91	410664	7.50	7.61	
	29 2-Methylphenol	108	4.574	4.574	0.000	94	449899	7.50	8.22	
	30 2,2'-oxybis[1-chloropropane]	45	4.592	4.592	0.000	88	514939	7.50	7.21	
	31 N-Nitrosopyrrolidine	100	4.697	4.697	0.000	92	251201	7.50	7.65	
	32 Acetophenone	105	4.720	4.720	0.000	83	719592	7.50	7.49	
	33 N-Nitrosodi-n-propylamine	70	4.720	4.720	0.000	67	451546	7.50	7.74	
	34 4-Methylphenol	108	4.726	4.726	0.000	91	497091	7.50	8.07	
	35 N-Nitrosomorpholine	56	4.738	4.738	0.000	87	331119	7.50	7.52	
	36 2-Toluidine	106	4.755	4.755	0.000	94	694989	7.50	7.50	
	37 Hexachloroethane	117	4.814	4.814	0.000	95	211304	7.50	7.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.866	4.866	0.000	88	1340106	15.0	15.3	
40 Nitrobenzene	77	4.884	4.884	0.000	85	663001	7.50	7.75	
41 N-Nitrosopiperidine	114	5.030	5.030	0.000	78	198449	7.50	7.14	
42 Isophorone	82	5.111	5.111	0.000	96	1136965	7.50	7.61	
43 2-Nitrophenol	139	5.187	5.187	0.000	86	210288	7.50	7.35	
44 2,4-Dimethylphenol	107	5.234	5.234	0.000	96	523159	7.50	7.86	
46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	90	184706	7.50	7.52	
47 Bis(2-chloroethoxy)methane	93	5.327	5.327	0.000	97	612213	7.50	7.98	
49 2,4-Dichlorophenol	162	5.421	5.421	0.000	96	349203	7.50	8.31	
50 1,2,4-Trichlorobenzene	180	5.497	5.497	0.000	91	365227	7.50	7.53	
* 52 Naphthalene-d8	136	5.549	5.549	0.000	99	699161	5.00	5.00	
53 Naphthalene	128	5.573	5.573	0.000	98	1101478	7.50	7.38	
55 Alpha-Terpineol	59	5.584	5.584	0.000	92	434269	7.50	7.76	
56 4-Chloroaniline	127	5.631	5.631	0.000	91	489667	7.50	7.77	
57 2,6-Dichlorophenol	162	5.637	5.637	0.000	86	327701	7.50	7.62	
58 Hexachloropropene	213	5.654	5.654	0.000	96	281562	7.50	7.09	
59 Hexachlorobutadiene	225	5.695	5.695	0.000	95	260214	7.50	8.19	
61 Quinoline	129	5.894	5.894	0.000	92	726311	7.50	7.71	
63 N-Nitrosodi-n-butylamine	84	5.958	5.958	0.000	84	500651	7.50	7.37	
62 Caprolactam	113	5.958	5.958	0.000	54	118277	7.50	7.59	
64 p-Phenylene diamine	108	5.975	5.975	0.000	91	478796	7.50	8.16	
65 4-Chloro-3-methylphenol	107	6.104	6.104	0.000	89	472165	7.50	7.95	
66 Safrole, Total	162	6.162	6.162	0.000	76	300096	7.50	7.76	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	88	649382	7.50	7.47	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	91	701944	7.50	7.86	
71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	95	333486	7.50	7.55	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	98	391855	7.50	7.64	
72 Isosafrole Peak 1	162	6.443	6.443	0.000	81	51486	1.20	1.27	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	90	251084	7.50	7.99	
S 24 Dinitrotoluene	165				0		15.0	15.6	
80 2,4,5-Trichlorophenol	196	6.548	6.548	0.000	88	275379	7.50	7.60	
$ 81 2-Fluorobiphenyl (Surr)	172	6.594	6.594	0.000	99	1737548	15.0	15.3	
82 Isosafrole Peak 2	162	6.653	6.653	0.000	79	287790	6.30	6.23	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	97	914516	7.50	7.08	
84 2-Chloronaphthalene	162	6.700	6.700	0.000	97	735696	7.50	7.95	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	95	669556	7.50	7.66	
86 Phenyl ether	170	6.787	6.787	0.000	86	500135	7.50	7.53	
87 2-Nitroaniline	138	6.805	6.805	0.000	71	238866	7.50	7.16	
88 1,4-Naphthoquinone	158	6.875	6.875	0.000	68	298572	7.50	7.57	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	84	114433	7.50	8.12	
90 Dimethyl phthalate	163	6.986	6.986	0.000	95	878797	7.50	7.36	
91 1,3-Dinitrobenzene	168	7.009	7.009	0.000	79	126554	7.50	7.44	
92 2,6-Dinitrotoluene	165	7.038	7.038	0.000	80	188113	7.50	7.74	
93 Acenaphthylene	152	7.097	7.097	0.000	99	1129922	7.50	7.67	
95 3-Nitroaniline	138	7.196	7.196	0.000	85	212660	7.50	7.68	
* 96 Acenaphthene-d10	164	7.231	7.231	0.000	95	403979	5.00	5.00	
97 Acenaphthene	153	7.260	7.260	0.000	97	764667	7.50	7.36	
98 2,4-Dinitrophenol	184	7.295	7.295	0.000	75	291812	17.5	17.8	
100 4-Nitrophenol	109	7.371	7.371	0.000	82	436238	15.0	15.2	
99 Pentachlorobenzene	250	7.383	7.383	0.000	96	348362	7.50	7.61	
102 2,4-Dinitrotoluene	165	7.424	7.424	0.000	78	271744	7.50	7.82	
101 Dibenzofuran	168	7.424	7.424	0.000	95	1058868	7.50	7.81	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
104 1-Naphthylamine	143	7.505	7.505	0.000	95	740598	7.50	7.95	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	76	249474	7.50	7.66	
106 2-Naphthylamine	143	7.581	7.581	0.000	92	765846	7.50	7.79	
107 Diethyl phthalate	149	7.657	7.657	0.000	95	955237	7.50	7.73	
109 Thionazin	107	7.733	7.733	0.000	74	163912	7.50	7.46	
108 Fluorene	166	7.751	7.751	0.000	91	810785	7.50	7.22	
110 4-Chlorophenyl phenyl ether	204	7.756	7.756	0.000	94	402693	7.50	7.61	
111 N-Nitro-o-toluidine	152	7.768	7.768	0.000	86	223279	7.50	7.17	
112 4-Nitroaniline	138	7.774	7.774	0.000	73	214303	7.50	7.57	
113 4,6-Dinitro-2-methylphenol	198	7.803	7.803	0.000	65	330689	15.0	16.1	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	68	555989	6.38	6.51	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	97	1333677	7.50	7.94	
$ 116 2,4,6-Tribromophenol	330	7.978	7.978	0.000	91	351354	15.0	15.1	
117 Sulfotepp	97	8.031	8.031	0.000	78	230420	7.50	7.61	
118 1,3,5-Trinitrobenzene	213	8.136	8.136	0.000	80	71976	7.50	7.67	
120 cis-Diallate	86	8.148	8.148	0.000	87	311544	5.55	5.59	
119 Phorate	75	8.159	8.159	0.000	93	788571	7.50	6.93	
121 Phenacetin	108	8.171	8.171	0.000	88	603742	7.50	8.16	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	72	243165	7.50	7.95	
123 trans-Diallate	86	8.235	8.235	0.000	91	118662	1.95	1.91	
124 Hexachlorobenzene	284	8.270	8.270	0.000	94	308661	7.50	7.84	
125 Dimethoate	87	8.317	8.317	0.000	95	464681	7.50	8.06	
126 Atrazine	200	8.387	8.387	0.000	86	254894	7.50	7.65	
127 Pentachlorophenol	266	8.463	8.463	0.000	89	402973	15.0	15.6	
129 4-Aminobiphenyl	169	8.469	8.469	0.000	91	948525	7.50	7.88	
128 Pentachloronitrobenzene	237	8.469	8.469	0.000	73	165040	7.50	7.96	
130 Pronamide	173	8.533	8.533	0.000	88	420394	7.50	7.85	
* 131 Phenanthrene-d10	188	8.644	8.644	0.000	97	728024	5.00	5.00	
133 Dinoseb	211	8.644	8.644	0.000	91	214752	7.50	8.23	
134 Disulfoton	88	8.656	8.656	0.000	96	684374	7.50	7.65	
132 Phenanthrene	178	8.661	8.661	0.000	97	1248657	7.50	7.73	
135 Anthracene	178	8.714	8.714	0.000	99	1256395	7.50	7.75	
136 Carbazole	167	8.872	8.872	0.000	97	1182587	7.50	8.23	
137 Methyl parathion	109	9.012	9.012	0.000	89	370789	7.50	7.99	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	1500114	7.50	7.67	
139 Ethyl Parathion	109	9.385	9.385	0.000	80	229456	7.50	7.70	
140 4-Nitroquinoline-1-oxide	190	9.409	9.409	0.000	82	108061	7.50	7.30	
142 Octachlorostyrene	308	9.613	9.613	0.000	90	135038	7.50	7.26	
S 68 Diallate	86				0		7.50	7.50	
143 Isodrin	193	9.648	9.648	0.000	89	154336	7.50	7.56	
144 Fluoranthene	202	9.794	9.794	0.000	99	1368557	7.50	7.77	
145 Benzidine	184	9.940	9.940	0.000	99	3014318	22.5	24.9	
* 146 Pyrene-d10 (IS)	212	9.993	9.993	0.000	99	753624	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	1443973	7.50	7.57	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	99	1875354	15.0	15.6	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	90	206283	7.50	7.44	
150 Chlorobenzilate	139	10.361	10.361	0.000	81	504007	7.50	7.77	
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	99	710695	7.50	7.87	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	93	665489	7.50	7.44	
155 2-Acetylaminofluorene	181	10.933	10.933	0.000	93	527897	7.50	7.98	
S 94 Isosafrole	162				0		7.50	7.49	
157 3,3'-Dichlorobenzidine	252	11.260	11.260	0.000	78	541216	7.50	7.59	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
158 4,4'-Methylene bis(2-chloroanil	231	11.271	11.271	0.000	66	259701	7.50	7.44	
156 Benzo[a]anthracene	228	11.271	11.271	0.000	99	1316086	7.50	7.71	
159 Chrysene	228	11.312	11.312	0.000	97	1201661	7.50	7.53	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	96	961757	7.50	7.70	
161 6-Methylchrysene	242	11.873	11.873	0.000	98	834171	7.50	7.65	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	99	1547035	7.50	7.64	
164 Benzo[b]fluoranthene	252	12.655	12.655	0.000	96	1330449	7.50	7.94	
163 7,12-Dimethylbenz(a)anthracene	256	12.655	12.655	0.000	71	526869	7.50	8.25	
165 Benzo[k]fluoranthene	252	12.696	12.696	0.000	99	1310150	7.50	7.73	
166 Benzo[a]pyrene	252	13.105	13.105	0.000	78	1286461	7.50	7.41	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	718924	5.00	5.00	
168 3-Methylcholanthrene	268	13.625	13.625	0.000	92	579381	7.50	7.50	
169 Dibenz[a,h]acridine	279	14.413	14.413	0.000	92	988160	7.50	8.09	
170 Dibenz[a,j]acridine	279	14.483	14.483	0.000	96	1106097	7.50	7.89	
171 Indeno[1,2,3-cd]pyrene	276	14.705	14.705	0.000	99	1273432	7.50	7.78	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	93	1253957	7.50	8.06	
173 Benzo[g,h,i]perylene	276	15.061	15.061	0.000	98	1289879	7.50	8.08	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_5_00053 Amount Added: 1.00 Units: mL

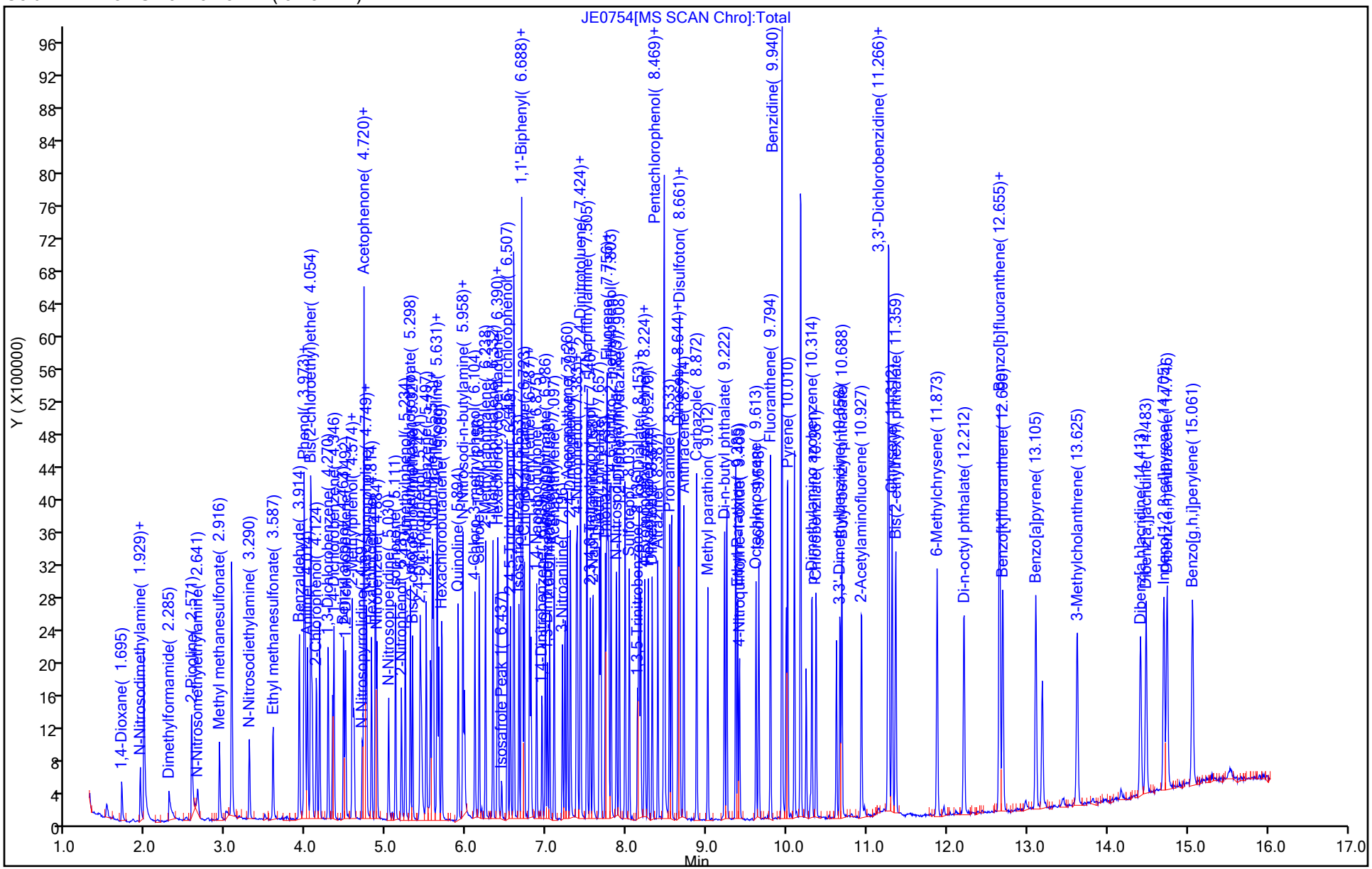
Report Date: 08-May-2025 09:31:32 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0754.D

Injection Date:	08-May-2025 00:53:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L5			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0755.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 08-May-2025 01:14:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4
Misc. Info.: 410-0146504-006
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:31:52 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 06:57:14

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.696	1.695	0.001	93	104963	3.75	3.63	Ma
	2 N-Nitrosodimethylamine	74	1.929	1.929	0.000	94	160539	3.75	3.38	
	3 Pyridine	79	1.976	1.970	0.006	96	513500	7.50	6.61	
	4 Dimethylformamide	73	2.309	2.291	0.018	85	198121	3.75	3.74	M
	5 2-Picoline	93	2.571	2.565	0.006	87	231055	3.75	3.26	
	6 N-Nitrosomethylethylamine	88	2.647	2.641	0.006	97	109050	3.75	3.42	
	7 Methyl methanesulfonate	80	2.916	2.916	0.000	87	174411	3.75	3.46	
$	9 2-Fluorophenol	112	3.068	3.068	0.000	92	406637	7.50	7.02	
	11 N-Nitrosodiethylamine	102	3.290	3.290	0.000	96	95002	3.75	3.32	
	12 Ethyl methanesulfonate	109	3.587	3.587	0.000	95	107702	3.75	3.53	
	13 Benzaldehyde	77	3.914	3.914	0.000	92	231362	3.75	3.40	
$	15 Phenol-d5	99	3.973	3.973	0.000	93	583695	7.50	6.76	
	16 Phenol	94	3.985	3.990	-0.005	91	278800	3.75	3.06	
	17 Aniline	93	4.014	4.014	0.000	94	362638	3.75	3.60	
	18 Bis(2-chloroethyl)ether	93	4.072	4.072	0.000	90	219381	3.75	3.30	
	19 2-Chlorophenol	128	4.125	4.124	0.001	90	188723	3.75	3.58	
	21 1,3-Dichlorobenzene	146	4.271	4.270	0.001	92	212013	3.75	3.58	
*	22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	95	195081	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.347	4.346	0.001	87	207823	3.75	3.32	
	26 Benzyl alcohol	108	4.463	4.463	0.000	87	148859	3.75	3.49	
	27 1,2-Dichlorobenzene	146	4.487	4.492	-0.005	88	207580	3.75	3.63	
	29 2-Methylphenol	108	4.574	4.574	0.000	94	203839	3.75	3.51	
	30 2,2'-oxybis[1-chloropropane]	45	4.592	4.592	0.000	89	259212	3.75	3.42	
	31 N-Nitrosopyrrolidine	100	4.697	4.697	0.000	85	119225	3.75	3.42	
	32 Acetophenone	105	4.720	4.720	0.000	85	360924	3.75	3.54	
	33 N-Nitrosodi-n-propylamine	70	4.720	4.720	0.000	69	214719	3.75	3.47	
	34 4-Methylphenol	108	4.726	4.726	0.000	89	208088	3.75	3.19	
	35 N-Nitrosomorpholine	56	4.738	4.738	0.000	84	148631	3.75	3.18	
	36 2-Toluidine	106	4.749	4.755	-0.006	94	336870	3.75	3.43	
	37 Hexachloroethane	117	4.814	4.814	0.000	92	99519	3.75	3.23	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.860	4.866	-0.006	88	642901	7.50	7.29	
40 Nitrobenzene	77	4.884	4.884	0.000	86	315365	3.75	3.65	
41 N-Nitrosopiperidine	114	5.030	5.030	0.000	78	90307	3.75	3.22	
42 Isophorone	82	5.111	5.111	0.000	95	539688	3.75	3.58	
43 2-Nitrophenol	139	5.187	5.187	0.000	84	99124	3.75	3.43	
44 2,4-Dimethylphenol	107	5.234	5.234	0.000	96	252040	3.75	3.75	
46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	88	89632	3.75	3.61	
47 Bis(2-chloroethoxy)methane	93	5.328	5.327	0.001	95	290682	3.75	3.76	
49 2,4-Dichlorophenol	162	5.421	5.421	0.000	91	155987	3.75	3.68	
54 alpha,alpha-Dimethyl phenethylam	58		5.438				ND	ND	U
50 1,2,4-Trichlorobenzene	180	5.497	5.497	0.000	89	192490	3.75	3.93	
* 52 Naphthalene-d8	136	5.549	5.549	0.000	100	705780	5.00	5.00	
53 Naphthalene	128	5.573	5.573	0.000	98	547112	3.75	3.63	
55 Alpha-Terpineol	59	5.584	5.584	0.000	90	205534	3.75	3.64	
56 4-Chloroaniline	127	5.631	5.631	0.000	94	247236	3.75	3.88	
57 2,6-Dichlorophenol	162	5.637	5.637	0.000	86	166557	3.75	3.84	
58 Hexachloropropene	213	5.654	5.654	0.000	95	136744	3.75	3.41	
59 Hexachlorobutadiene	225	5.690	5.695	-0.005	96	125470	3.75	3.91	
61 Quinoline	129	5.894	5.894	0.000	92	363563	3.75	3.82	
63 N-Nitrosodi-n-butylamine	84	5.952	5.958	-0.006	93	244095	3.75	3.56	
62 Caprolactam	113	5.952	5.958	-0.006	75	55257	3.75	3.51	
64 p-Phenylene diamine	108	5.976	5.975	0.001	93	167672	3.75	3.35	
65 4-Chloro-3-methylphenol	107	6.104	6.104	0.000	89	208939	3.75	3.49	
66 Safrole, Total	162	6.157	6.162	-0.005	79	146930	3.75	3.76	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	90	319115	3.75	3.64	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	90	337849	3.75	3.75	
71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	93	163181	3.75	3.52	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	96	204366	3.75	3.80	
72 Isosafrole Peak 1	162	6.443	6.443	0.000	77	24475	0.6000	0.5736	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	88	122043	3.75	3.70	
S 24 Dinitrotoluene	165				0		7.50	7.64	
80 2,4,5-Trichlorophenol	196	6.548	6.548	0.000	87	141001	3.75	3.70	
$ 81 2-Fluorobiphenyl (Surr)	172	6.589	6.594	-0.005	99	867851	7.50	7.26	
82 Isosafrole Peak 2	162	6.653	6.653	0.000	80	137378	3.15	2.83	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	97	453663	3.75	3.34	
84 2-Chloronaphthalene	162	6.700	6.700	0.000	98	361109	3.75	3.72	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	96	326982	3.75	3.56	
86 Phenyl ether	170	6.787	6.787	0.000	81	239096	3.75	3.43	
87 2-Nitroaniline	138	6.805	6.805	0.000	75	130020	3.75	3.71	
88 1,4-Naphthoquinone	158	6.875	6.875	0.000	66	144278	3.75	3.48	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	80	52818	3.75	3.57	
90 Dimethyl phthalate	163	6.986	6.986	0.000	94	455122	3.75	3.63	
91 1,3-Dinitrobenzene	168	7.009	7.009	0.000	82	64771	3.75	3.63	
92 2,6-Dinitrotoluene	165	7.038	7.038	0.000	82	101330	3.75	3.97	
93 Acenaphthylene	152	7.097	7.097	0.000	99	542137	3.75	3.50	
95 3-Nitroaniline	138	7.196	7.196	0.000	82	111648	3.75	3.84	
* 96 Acenaphthene-d10	164	7.231	7.231	0.000	96	424307	5.00	5.00	
97 Acenaphthene	153	7.260	7.260	0.000	98	377681	3.75	3.46	
98 2,4-Dinitrophenol	184	7.295	7.295	0.000	75	189915	11.3	11.0	
100 4-Nitrophenol	109	7.371	7.371	0.000	86	206479	7.50	6.83	
99 Pentachlorobenzene	250	7.383	7.383	0.000	95	166463	3.75	3.46	
102 2,4-Dinitrotoluene	165	7.418	7.424	-0.006	82	133812	3.75	3.67	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.424	7.424	0.000	95	514786	3.75	3.61	
104 1-Naphthylamine	143	7.500	7.505	-0.005	94	355994	3.75	3.64	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	77	112210	3.75	3.28	
106 2-Naphthylamine	143	7.576	7.581	-0.005	93	364899	3.75	3.53	
107 Diethyl phthalate	149	7.657	7.657	0.000	95	471615	3.75	3.63	
109 Thionazin	107	7.733	7.733	0.000	75	77737	3.75	3.37	
108 Fluorene	166	7.751	7.751	0.000	93	412751	3.75	3.50	
110 4-Chlorophenyl phenyl ether	204	7.757	7.756	0.001	94	198531	3.75	3.57	
111 N-Nitro-o-toluidine	152	7.768	7.768	0.000	85	110247	3.75	3.37	
112 4-Nitroaniline	138	7.774	7.774	0.000	75	107846	3.75	3.63	
113 4,6-Dinitro-2-methylphenol	198	7.803	7.803	0.000	67	157182	7.50	7.12	
114 N-Nitrosodiphenylamine	169	7.867	7.873	-0.006	64	294186	3.19	3.22	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	98	672802	3.75	3.74	
$ 116 2,4,6-Tribromophenol	330	7.978	7.978	0.000	91	180917	7.50	7.40	
117 Sulfotepp	97	8.031	8.031	0.000	77	123608	3.75	3.81	
118 1,3,5-Trinitrobenzene	213	8.136	8.136	0.000	80	40528	3.75	4.03	
120 cis-Diallate	86	8.148	8.148	0.000	86	162686	2.78	2.72	
119 Phorate	75	8.154	8.159	-0.005	93	378097	3.75	3.10	
121 Phenacetin	108	8.171	8.171	0.000	88	273558	3.75	3.45	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	71	123397	3.75	3.77	
123 trans-Diallate	86	8.230	8.235	-0.005	91	67385	0.9750	1.01	
124 Hexachlorobenzene	284	8.270	8.270	0.000	94	159286	3.75	3.78	
125 Dimethoate	87	8.317	8.317	0.000	94	226036	3.75	3.66	
126 Atrazine	200	8.387	8.387	0.000	86	127090	3.75	3.56	
127 Pentachlorophenol	266	8.463	8.463	0.000	88	182319	7.50	6.60	
129 4-Aminobiphenyl	169	8.469	8.469	0.000	90	447266	3.75	3.47	
128 Pentachloronitrobenzene	237	8.469	8.469	0.000	52	82106	3.75	3.70	
130 Pronamide	173	8.533	8.533	0.000	90	211594	3.75	3.69	
* 131 Phenanthrene-d10	188	8.638	8.644	-0.006	97	780250	5.00	5.00	
133 Dinoseb	211	8.644	8.644	0.000	90	96616	3.75	3.46	
134 Disulfoton	88	8.656	8.656	0.000	95	340144	3.75	3.55	a
132 Phenanthrene	178	8.662	8.661	0.001	98	615868	3.75	3.56	
135 Anthracene	178	8.714	8.714	0.000	97	654325	3.75	3.76	
136 Carbazole	167	8.872	8.872	0.000	97	594213	3.75	3.86	
137 Methyl parathion	109	9.012	9.012	0.000	89	177220	3.75	3.56	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	739996	3.75	3.53	
139 Ethyl Parathion	109	9.386	9.385	0.001	81	109944	3.75	3.44	
140 4-Nitroquinoline-1-oxide	190	9.409	9.409	0.000	74	50352	3.75	3.18	
142 Octachlorostyrene	308	9.613	9.613	0.000	89	70889	3.75	3.55	
143 Isodrin	193	9.648	9.648	0.000	89	85980	3.75	3.83	
S 68 Diallate	86				0		3.75	3.74	
144 Fluoranthene	202	9.794	9.794	0.000	98	699052	3.75	3.70	
145 Benzidine	184	9.935	9.940	-0.006	99	1392120	11.3	11.1	
* 146 Pyrene-d10 (IS)	212	9.993	9.993	0.000	98	782637	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	733248	3.75	3.70	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	99	925854	7.50	7.42	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	90	99096	3.75	3.44	
150 Chlorobenzilate	139	10.361	10.361	0.000	82	246538	3.75	3.66	
151 Famphur	218	10.618	10.618	0.000	86	246002	3.75	3.65	
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	98	356448	3.75	3.80	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	92	341576	3.75	3.68	
155 2-Acetylaminofluorene	181	10.927	10.933	-0.006	93	235934	3.75	3.44	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		3.75	3.40	
157 3,3'-Dichlorobenzidine	252	11.260	11.260	0.000	77	285445	3.75	3.85	
158 4,4'-Methylene bis(2-chloroanil	231	11.272	11.271	0.001	69	133913	3.75	3.69	
156 Benzo[a]anthracene	228	11.272	11.271	0.001	99	663482	3.75	3.74	
159 Chrysene	228	11.313	11.312	0.000	97	620680	3.75	3.75	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	95	499167	3.75	3.85	
S 103 Aramite, Total	185		11.583				3.75	ND	
161 6-Methylchrysene	242	11.873	11.873	0.000	99	411388	3.75	3.63	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	99	823508	3.75	3.59	
164 Benzo[b]fluoranthene	252	12.655	12.655	0.000	93	682741	3.75	3.60	
163 7,12-Dimethylbenz(a)anthracene	256	12.650	12.655	-0.005	69	242490	3.75	3.35	
165 Benzo[k]fluoranthene	252	12.691	12.696	-0.005	99	664125	3.75	3.46	
166 Benzo[a]pyrene	252	13.105	13.105	0.000	78	672551	3.75	3.42	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	814981	5.00	5.00	
168 3-Methylcholanthrene	268	13.625	13.625	0.000	91	306543	3.75	3.50	
169 Dibenz[a,h]acridine	279	14.413	14.413	0.000	91	480224	3.75	3.47	
170 Dibenz[a,j]acridine	279	14.483	14.483	0.000	96	563608	3.75	3.55	
171 Indeno[1,2,3-cd]pyrene	276	14.705	14.705	0.000	99	661166	3.75	3.56	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	93	647759	3.75	3.67	
173 Benzo[g,h,i]perylene	276	15.061	15.061	0.000	97	652982	3.75	3.61	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_4_00040 Amount Added: 1.00 Units: mL

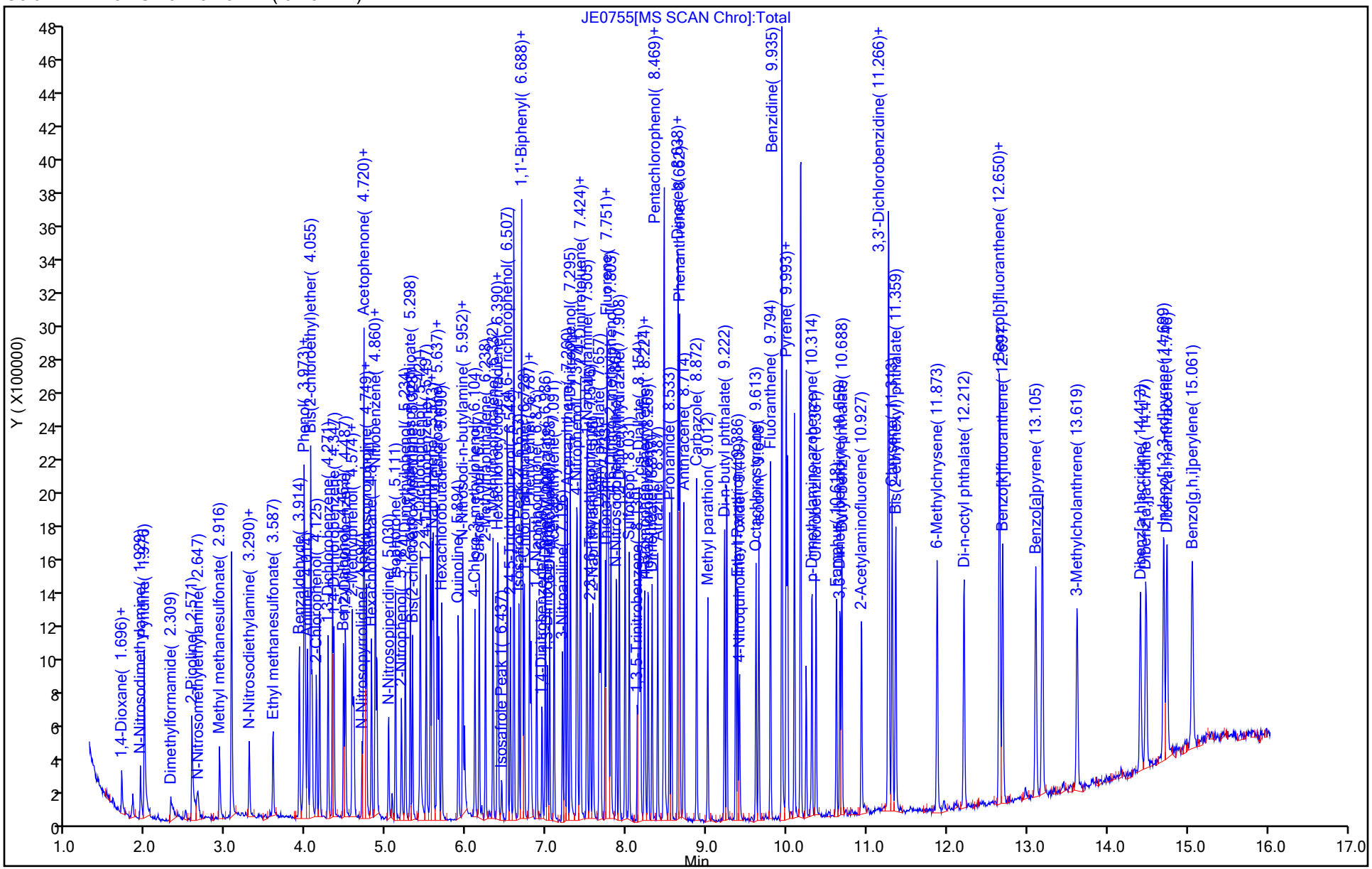
Report Date: 08-May-2025 09:31:52 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0755.D

Injection Date:	08-May-2025 01:14:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L4			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

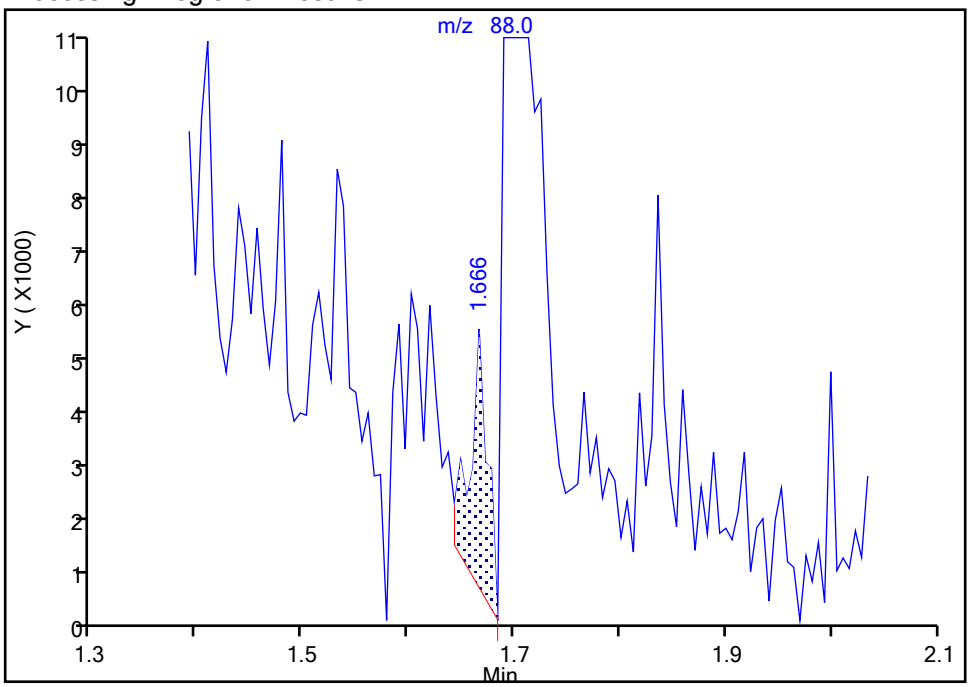
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0755.D				
Injection Date:	08-May-2025 01:14:30	Instrument ID:	HP23264		
Lims ID:	IC L4				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

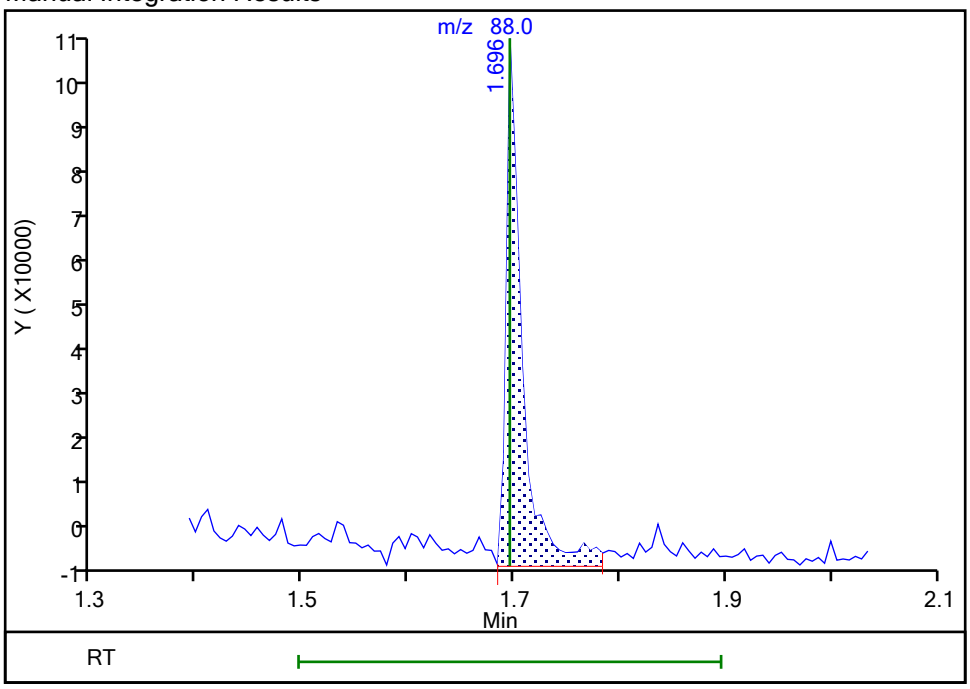
Processing Integration Results

RT: 1.67
Area: 5295
Amount: 0.150935
Amount Units: ug/ml



Manual Integration Results

RT: 1.70
Area: 104963
Amount: 3.625887
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 06:56:05 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

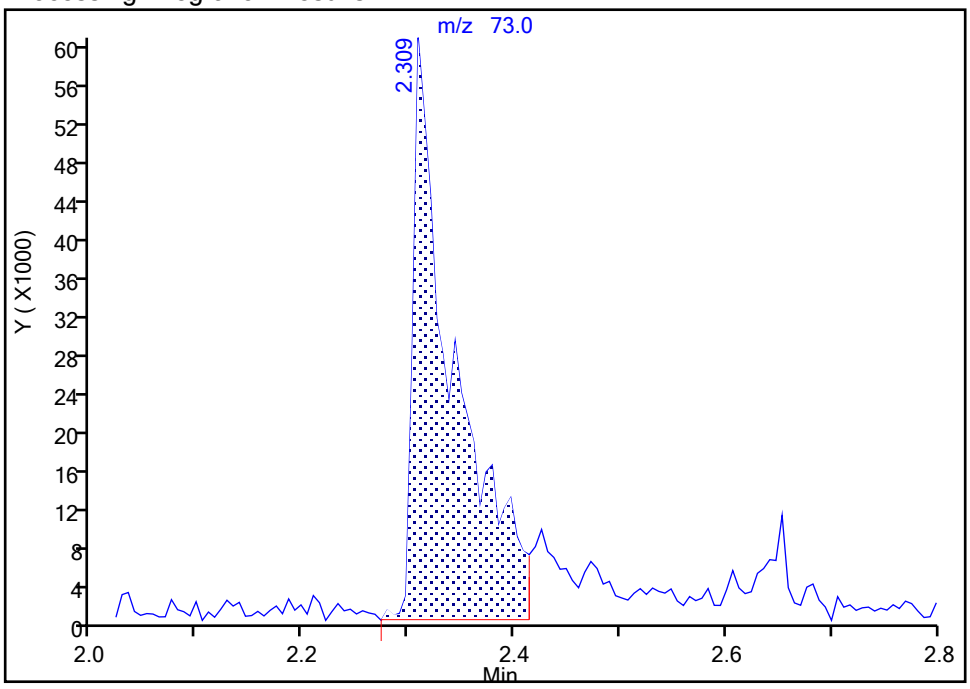
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0755.D				
Injection Date:	08-May-2025 01:14:30	Instrument ID:	HP23264		
Lims ID:	IC L4				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

4 Dimethylformamide, CAS: 68-12-2

Signal: 1

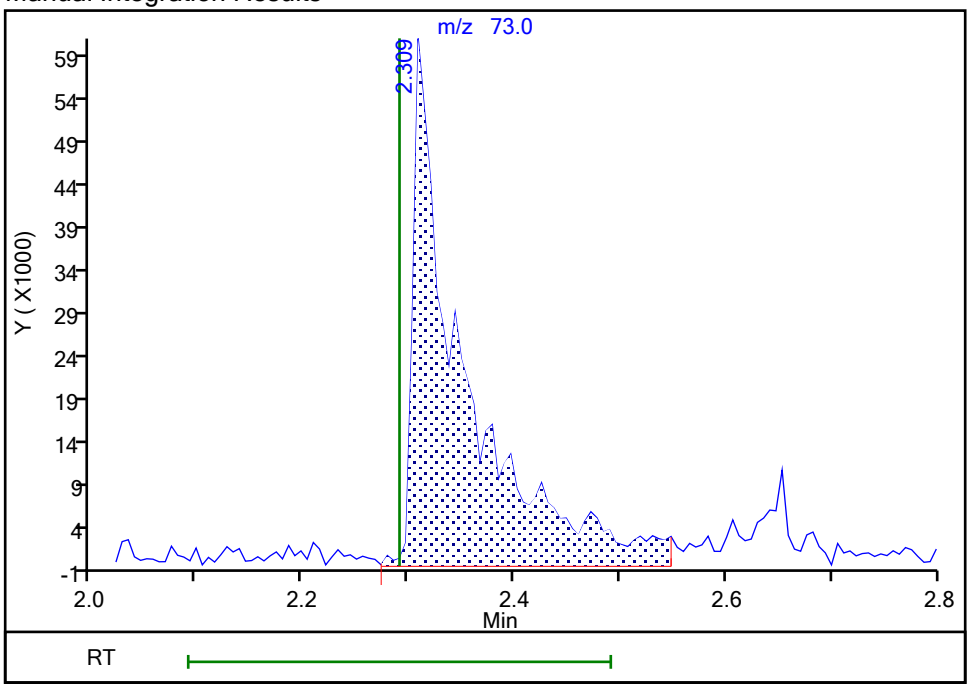
Processing Integration Results

RT: 2.31
Area: 161181
Amount: 0
Amount Units: ug/ml



Manual Integration Results

RT: 2.31
Area: 198121
Amount: 3.744793
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 06:56:20 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

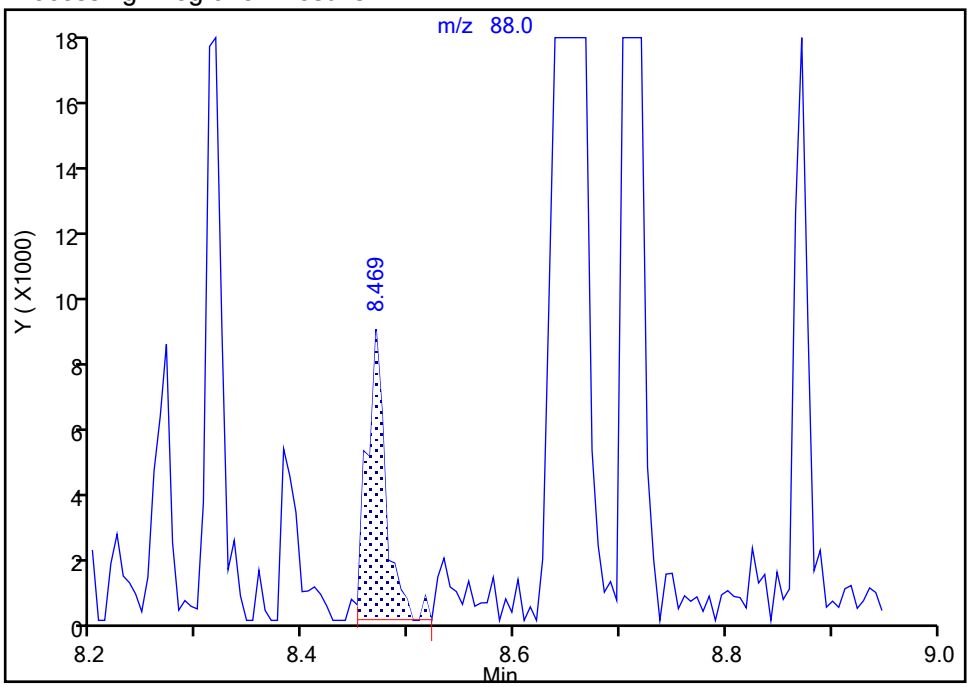
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0755.D
Injection Date: 08-May-2025 01:14:30 Instrument ID: HP23264
Lims ID: IC L4
Client ID:
Operator ID: IR93211 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

134 Disulfoton, CAS: 298-04-4

Signal: 1

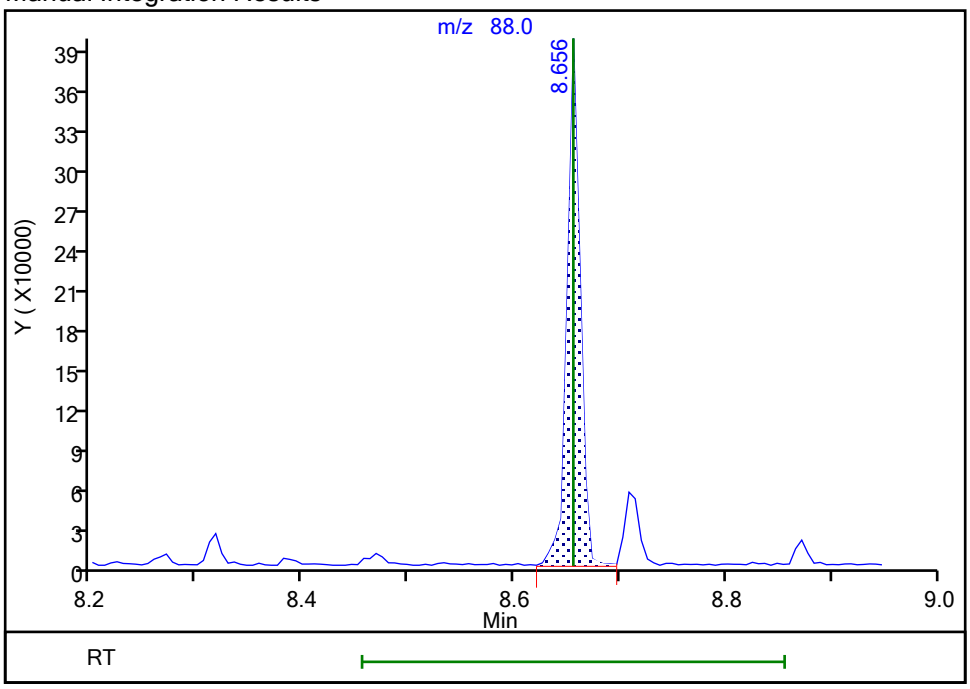
RT: 8.47
Area: 10950
Amount: 0.109781
Amount Units: ug/ml

Processing Integration Results



RT: 8.66
Area: 340144
Amount: 3.548010
Amount Units: ug/ml

Manual Integration Results



Reviewer: W6ZA, 08-May-2025 06:56:53 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0756.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-May-2025 01:36:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0146504-007
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:32:11 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 06:58:38

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.702	1.695	0.007	94	38442	1.25	1.43	
	2 N-Nitrosodimethylamine	74	1.941	1.929	0.012	89	46674	1.25	1.06	
	3 Pyridine	79	1.988	1.970	0.018	96	164214	2.50	2.28	
	4 Dimethylformamide	73	2.396	2.291	0.105	83	45259	1.25	0.9228	
	5 2-Picoline	93	2.583	2.565	0.018	86	77690	1.25	1.18	
	6 N-Nitrosomethylethylamine	88	2.601	2.641	-0.040	27	37828	1.25	1.28	
	7 Methyl methanesulfonate	80	2.922	2.916	0.006	89	55995	1.25	1.20	
$	9 2-Fluorophenol	112	3.068	3.068	0.000	91	126393	2.50	2.35	
	11 N-Nitrosodiethylamine	102	3.290	3.290	0.000	92	32280	1.25	1.22	
	12 Ethyl methanesulfonate	109	3.588	3.587	0.001	95	37028	1.25	1.31	
	13 Benzaldehyde	77	3.915	3.914	0.001	86	71707	1.25	1.14	
$	15 Phenol-d5	99	3.973	3.973	0.000	93	190691	2.50	2.38	
	16 Phenol	94	3.990	3.990	0.000	91	100002	1.25	1.18	
	17 Aniline	93	4.020	4.014	0.006	94	107166	1.25	1.15	
	18 Bis(2-chloroethyl)ether	93	4.072	4.072	0.000	94	78776	1.25	1.28	
	19 2-Chlorophenol	128	4.125	4.124	0.001	87	54154	1.25	1.11	
	21 1,3-Dichlorobenzene	146	4.271	4.270	0.001	89	65453	1.25	1.19	
*	22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	96	180842	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.347	4.346	0.001	88	67669	1.25	1.17	
	26 Benzyl alcohol	108	4.469	4.463	0.006	85	50311	1.25	1.27	
	27 1,2-Dichlorobenzene	146	4.493	4.492	0.001	90	61140	1.25	1.15	
	29 2-Methylphenol	108	4.574	4.574	0.000	94	63996	1.25	1.19	
	30 2,2'-oxybis[1-chloropropane]	45	4.592	4.592	0.000	87	81436	1.25	1.16	
	31 N-Nitrosopyrrolidine	100	4.703	4.697	0.006	83	34083	1.25	1.06	
	32 Acetophenone	105	4.720	4.720	0.000	88	113461	1.25	1.20	
	33 N-Nitrosodi-n-propylamine	70	4.714	4.720	-0.006	81	64175	1.25	1.12	
	34 4-Methylphenol	108	4.726	4.726	0.000	74	75183	1.25	1.24	
	35 N-Nitrosomorpholine	56	4.738	4.738	0.000	88	50807	1.25	1.17	
	36 2-Toluidine	106	4.750	4.755	-0.005	95	100493	1.25	1.10	
	37 Hexachloroethane	117	4.814	4.814	0.000	90	36425	1.25	1.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.860	4.866	-0.006	89	204583	2.50	2.50	
40 Nitrobenzene	77	4.884	4.884	0.000	80	105261	1.25	1.31	
41 N-Nitrosopiperidine	114	5.030	5.030	0.000	76	32600	1.25	1.25	
42 Isophorone	82	5.112	5.111	0.001	95	174691	1.25	1.25	
43 2-Nitrophenol	139	5.187	5.187	0.000	94	35334	1.25	1.32	
44 2,4-Dimethylphenol	107	5.234	5.234	0.000	95	74426	1.25	1.19	
46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	88	30045	1.25	1.30	
47 Bis(2-chloroethoxy)methane	93	5.328	5.327	0.001	96	95480	1.25	1.33	
49 2,4-Dichlorophenol	162	5.421	5.421	0.000	93	49405	1.25	1.25	
54 alpha,alpha-Dimethyl phenethylam	58		5.438				ND	ND	U
50 1,2,4-Trichlorobenzene	180	5.497	5.497	0.000	92	56836	1.25	1.25	
* 52 Naphthalene-d8	136	5.549	5.549	0.000	99	655447	5.00	5.00	
53 Naphthalene	128	5.573	5.573	0.000	98	175565	1.25	1.26	
55 Alpha-Terpineol	59	5.584	5.584	0.000	91	73799	1.25	1.41	
56 4-Chloroaniline	127	5.637	5.631	0.006	80	72118	1.25	1.22	
57 2,6-Dichlorophenol	162	5.637	5.637	0.000	76	47801	1.25	1.19	
58 Hexachloropropene	213	5.655	5.654	0.001	92	41994	1.25	1.13	
59 Hexachlorobutadiene	225	5.695	5.695	0.000	91	37267	1.25	1.25	
61 Quinoline	129	5.900	5.894	0.006	92	114833	1.25	1.30	
63 N-Nitrosodi-n-butylamine	84	5.952	5.958	-0.006	85	90223	1.25	1.42	
62 Caprolactam	113	5.952	5.958	-0.006	50	18278	1.25	1.25	
64 p-Phenylene diamine	108	5.987	5.975	0.012	87	29140	1.25	1.28	
65 4-Chloro-3-methylphenol	107	6.110	6.104	0.006	92	68435	1.25	1.23	
66 Safrole, Total	162	6.163	6.162	0.001	75	44498	1.25	1.23	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	91	104895	1.25	1.29	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	90	102662	1.25	1.23	
71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	96	47217	1.25	1.10	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	96	60356	1.25	1.21	
72 Isosafrole Peak 1	162	6.443	6.443	0.000	65	6614	0.2000	0.1668	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	87	38409	1.25	1.25	
S 24 Dinitrotoluene	165				0		2.50	2.47	
80 2,4,5-Trichlorophenol	196	6.548	6.548	0.000	89	42534	1.25	1.20	
$ 81 2-Fluorobiphenyl (Surr)	172	6.589	6.594	-0.005	98	261811	2.50	2.36	
82 Isosafrole Peak 2	162	6.653	6.653	0.000	87	49220	1.05	1.09	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	96	161920	1.25	1.28	
84 2-Chloronaphthalene	162	6.700	6.700	0.000	94	115095	1.25	1.27	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	92	98921	1.25	1.16	
86 Phenyl ether	170	6.787	6.787	0.000	85	75328	1.25	1.16	
87 2-Nitroaniline	138	6.805	6.805	0.000	75	40845	1.25	1.25	
88 1,4-Naphthoquinone	158	6.875	6.875	0.000	63	42297	1.25	1.10	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	85	16438	1.25	1.19	
90 Dimethyl phthalate	163	6.986	6.986	0.000	95	142077	1.25	1.22	
91 1,3-Dinitrobenzene	168	7.009	7.009	0.000	78	21099	1.25	1.27	
92 2,6-Dinitrotoluene	165	7.038	7.038	0.000	74	28431	1.25	1.20	
93 Acenaphthylene	152	7.091	7.097	-0.006	98	173229	1.25	1.20	
95 3-Nitroaniline	138	7.202	7.196	0.006	87	29492	1.25	1.09	
* 96 Acenaphthene-d10	164	7.225	7.231	-0.006	95	394242	5.00	5.00	
97 Acenaphthene	153	7.260	7.260	0.000	97	118334	1.25	1.17	
98 2,4-Dinitrophenol	184	7.295	7.295	0.000	80	77932	5.00	4.86	
100 4-Nitrophenol	109	7.377	7.371	0.006	82	85825	3.75	3.06	
99 Pentachlorobenzene	250	7.383	7.383	0.000	93	54089	1.25	1.21	
102 2,4-Dinitrotoluene	165	7.424	7.424	0.000	76	43018	1.25	1.27	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.424	7.424	0.000	93	155409	1.25	1.17	
104 1-Naphthylamine	143	7.500	7.505	-0.005	95	110287	1.25	1.21	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	74	38145	1.25	1.20	
106 2-Naphthylamine	143	7.581	7.581	0.000	94	115739	1.25	1.21	
107 Diethyl phthalate	149	7.657	7.657	0.000	95	148319	1.25	1.23	
109 Thionazin	107	7.733	7.733	0.000	79	25323	1.25	1.18	
108 Fluorene	166	7.751	7.751	0.000	90	119797	1.25	1.09	
110 4-Chlorophenyl phenyl ether	204	7.757	7.756	0.001	91	57940	1.25	1.12	
111 N-Nitro-o-toluidine	152	7.768	7.768	0.000	80	33448	1.25	1.10	
112 4-Nitroaniline	138	7.780	7.774	0.006	73	33332	1.25	1.21	
113 4,6-Dinitro-2-methylphenol	198	7.803	7.803	0.000	74	76774	3.75	3.60	
114 N-Nitrosodiphenylamine	169	7.868	7.873	-0.005	73	89100	1.06	1.01	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	98	211283	1.25	1.22	
$ 116 2,4,6-Tribromophenol	330	7.978	7.978	0.000	89	50516	2.50	2.22	
117 Sulfotepp	97	8.031	8.031	0.000	75	36284	1.25	1.16	
118 1,3,5-Trinitrobenzene	213	8.136	8.136	0.000	79	10646	1.25	1.10	
120 cis-Diallate	86	8.148	8.148	0.000	84	52477	0.9250	0.9099	
119 Phorate	75	8.154	8.159	-0.005	94	131611	1.25	1.12	
121 Phenacetin	108	8.171	8.171	0.000	89	76518	1.25	1.00	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	76	37351	1.25	1.18	
123 trans-Diallate	86	8.230	8.235	-0.005	80	25352	0.3250	0.3943	
124 Hexachlorobenzene	284	8.270	8.270	0.000	92	48634	1.25	1.19	
125 Dimethoate	87	8.317	8.317	0.000	93	66596	1.25	1.12	
126 Atrazine	200	8.387	8.387	0.000	84	42198	1.25	1.22	
127 Pentachlorophenol	266	8.463	8.463	0.000	83	53052	2.50	1.99	
129 4-Aminobiphenyl	169	8.469	8.469	0.000	91	139697	1.25	1.12	
128 Pentachloronitrobenzene	237	8.469	8.469	0.000	73	21290	1.25	0.99	
130 Pronamide	173	8.533	8.533	0.000	88	57714	1.25	1.04	
* 131 Phenanthrene-d10	188	8.638	8.644	-0.006	97	753435	5.00	5.00	
133 Dinoseb	211	8.644	8.644	0.000	78	29277	1.25	1.08	
134 Disulfoton	88	8.656	8.656	0.000	93	107938	1.25	1.17	a
132 Phenanthrene	178	8.662	8.661	0.001	98	192664	1.25	1.15	
135 Anthracene	178	8.714	8.714	0.000	99	188191	1.25	1.12	
136 Carbazole	167	8.872	8.872	0.000	96	179061	1.25	1.20	
137 Methyl parathion	109	9.012	9.012	0.000	89	50431	1.25	1.05	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	242050	1.25	1.20	
139 Ethyl Parathion	109	9.386	9.385	0.001	79	29337	1.25	0.9509	
140 4-Nitroquinoline-1-oxide	190	9.409	9.409	0.000	77	14462	1.25	0.9444	
142 Octachlorostyrene	308	9.613	9.613	0.000	79	26733	1.25	1.39	
143 Isodrin	193	9.648	9.648	0.000	87	27515	1.25	1.12	
S 68 Diallate	86				0		1.25	1.30	
144 Fluoranthene	202	9.794	9.794	0.000	98	227628	1.25	1.25	
145 Benzidine	184	9.935	9.940	-0.005	99	416878	3.75	3.38	
* 146 Pyrene-d10 (IS)	212	9.993	9.993	0.000	99	768228	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	96	228805	1.25	1.18	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	99	291707	2.50	2.38	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	89	29156	1.25	1.03	
150 Chlorobenzilate	139	10.361	10.361	0.000	85	70569	1.25	1.07	
151 Famphur	218	10.618	10.618	0.000	86	80126	1.25	1.21	a
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	97	107180	1.25	1.16	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	95	111060	1.25	1.22	
155 2-Acetylaminofluorene	181	10.933	10.933	0.000	89	62418	1.25	0.9259	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		1.25	1.26	
157 3,3'-Dichlorobenzidine	252	11.260	11.260	0.000	76	80138	1.25	1.10	
158 4,4'-Methylene bis(2-chloroanil	231	11.272	11.271	0.001	65	42180	1.25	1.19	
156 Benzo[a]anthracene	228	11.272	11.271	0.001	98	203056	1.25	1.17	
159 Chrysene	228	11.313	11.312	0.001	97	185267	1.25	1.14	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	95	149013	1.25	1.17	
S 103 Aramite, Total	185		11.583				1.25	ND	
161 6-Methylchrysene	242	11.873	11.873	0.000	98	131389	1.25	1.18	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	99	225573	1.25	1.05	
164 Benzo[b]fluoranthene	252	12.656	12.655	0.001	97	200152	1.25	1.13	
163 7,12-Dimethylbenz(a)anthracene	256	12.656	12.655	0.001	70	80469	1.25	1.19	
165 Benzo[k]fluoranthene	252	12.691	12.696	-0.005	99	207726	1.25	1.16	
166 Benzo[a]pyrene	252	13.105	13.105	0.000	78	206859	1.25	1.12	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	761232	5.00	5.00	
168 3-Methylcholanthrene	268	13.619	13.625	-0.006	92	88511	1.25	1.08	
169 Dibenz[a,h]acridine	279	14.413	14.413	0.000	91	156278	1.25	1.21	
170 Dibenz[a,j]acridine	279	14.477	14.483	-0.006	95	165938	1.25	1.12	
171 Indeno[1,2,3-cd]pyrene	276	14.705	14.705	0.000	98	200412	1.25	1.16	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	92	199065	1.25	1.21	
173 Benzo[g,h,i]perylene	276	15.061	15.061	0.000	97	205318	1.25	1.21	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_3_00041 Amount Added: 1.00 Units: mL

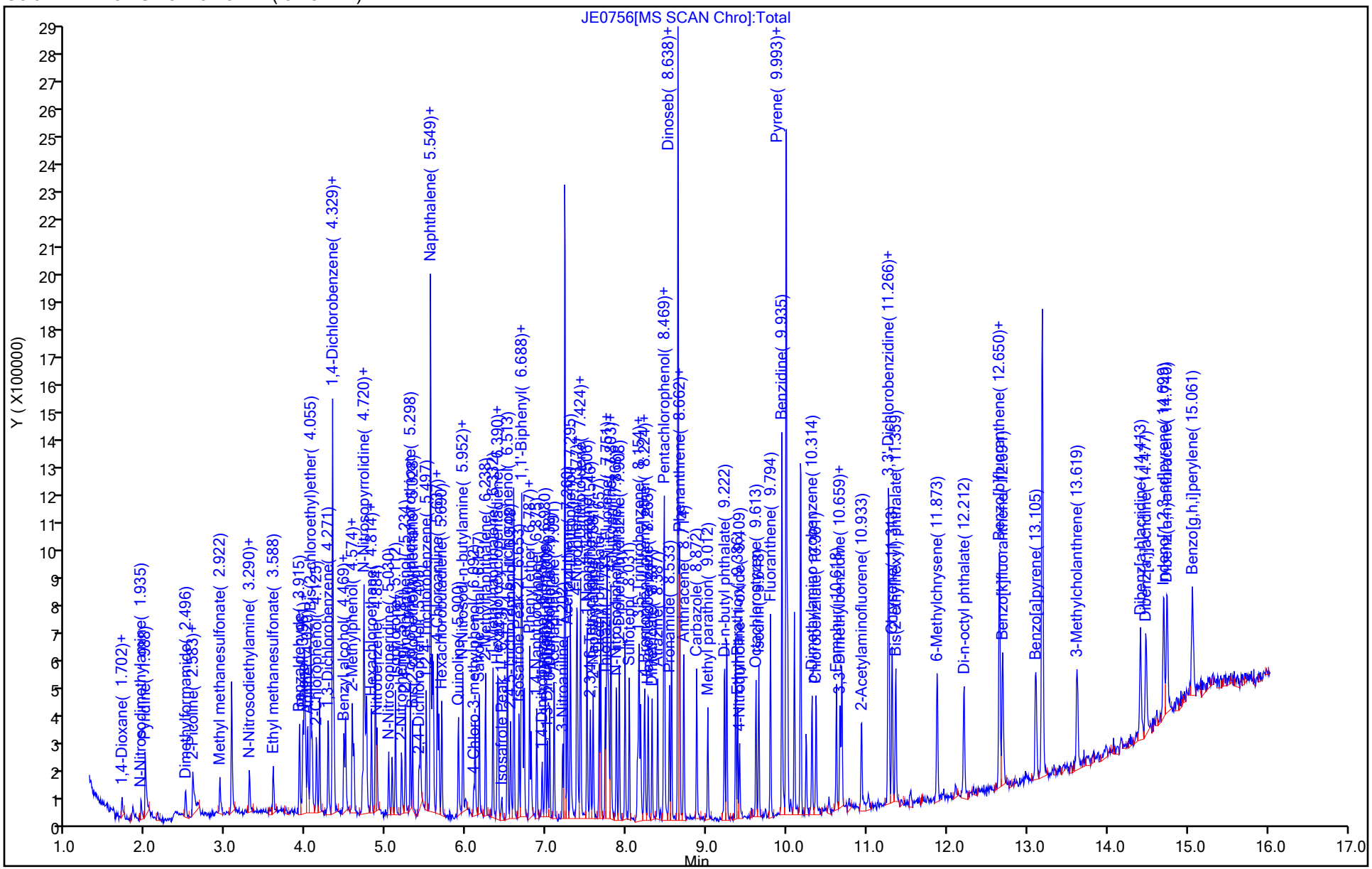
Report Date: 08-May-2025 09:32:12 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0756.D

Injection Date:	08-May-2025 01:36:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L3			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

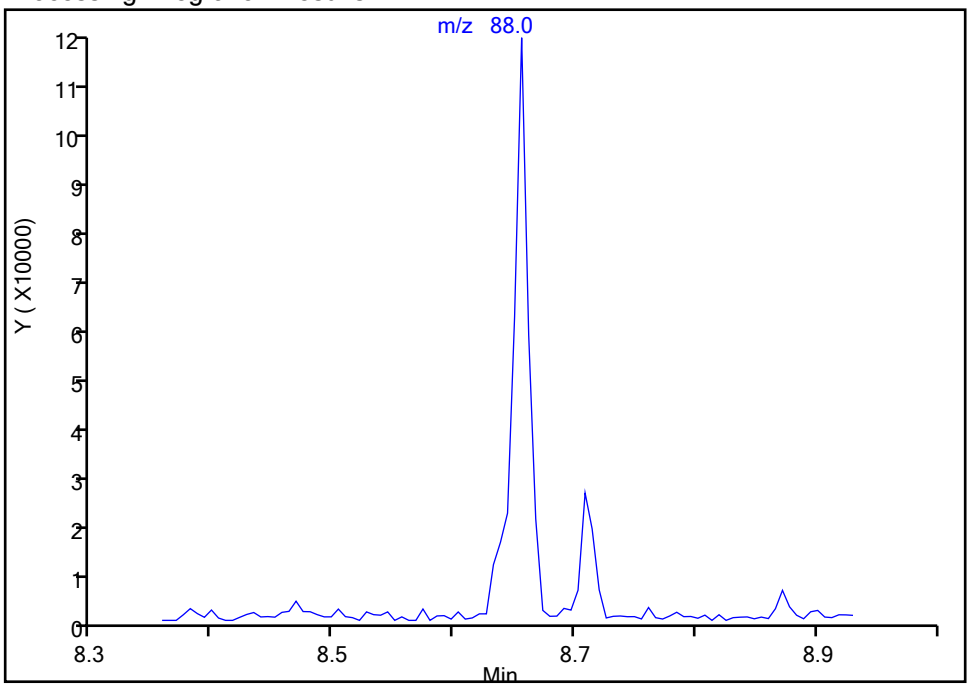
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0756.D				
Injection Date:	08-May-2025 01:36:30	Instrument ID:	HP23264		
Lims ID:	IC L3				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

134 Disulfoton, CAS: 298-04-4

Signal: 1

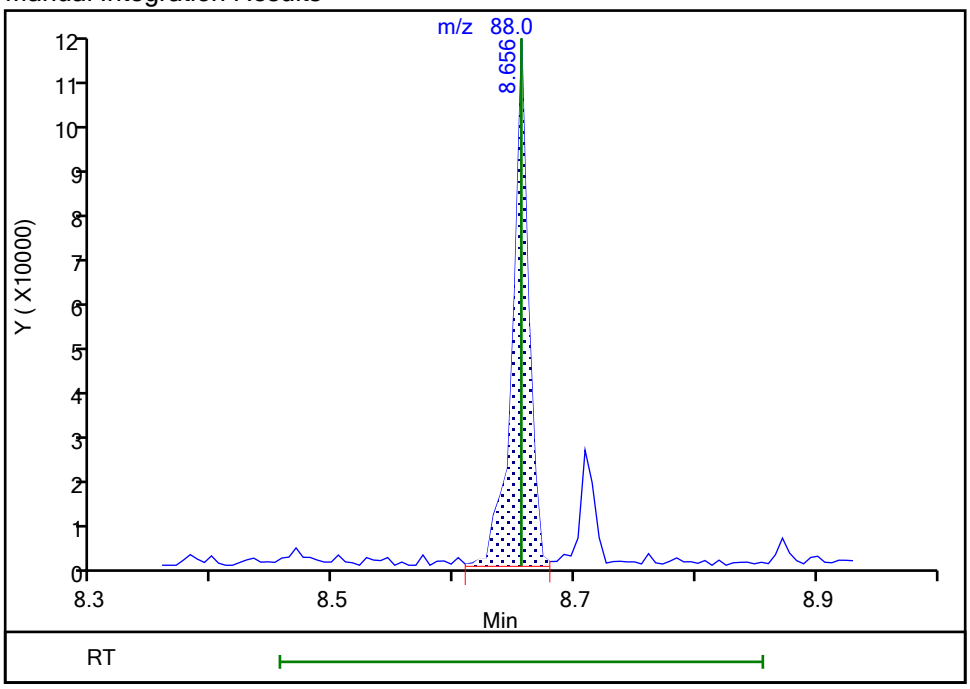
Not Detected
Expected RT: 8.66

Processing Integration Results



RT: 8.66
Area: 107938
Amount: 1.165962
Amount Units: ug/ml

Manual Integration Results



Reviewer: W6ZA, 08-May-2025 06:58:04 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

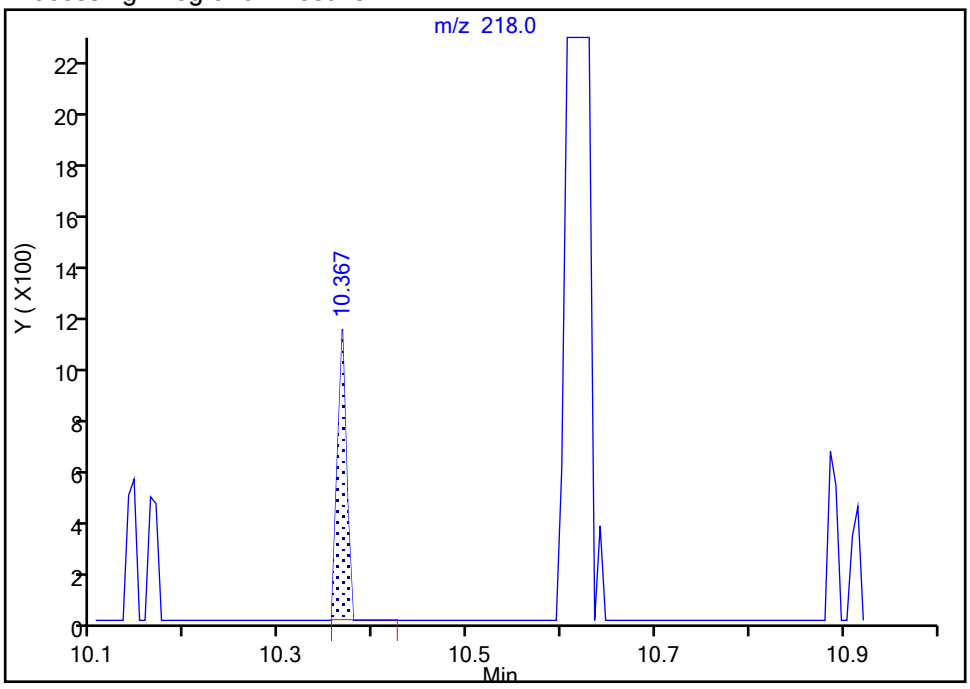
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0756.D				
Injection Date:	08-May-2025 01:36:30	Instrument ID:	HP23264		
Lims ID:	IC L3				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Famphur, CAS: 52-85-7

Signal: 1

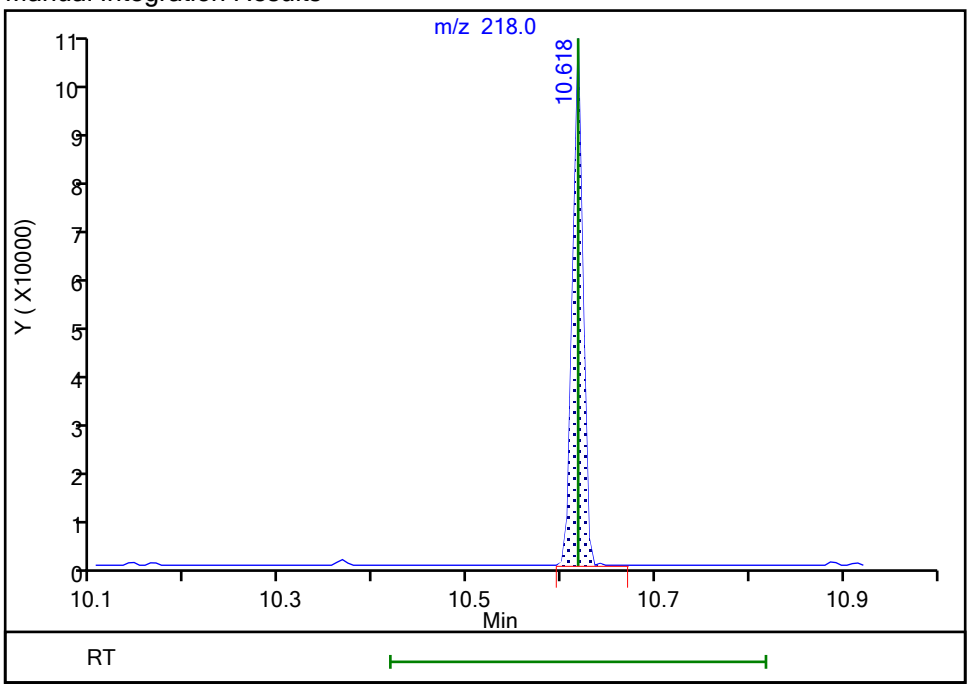
Processing Integration Results

RT: 10.37
Area: 754
Amount: 0.023201
Amount Units: ug/ml



Manual Integration Results

RT: 10.62
Area: 80126
Amount: 1.209900
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 06:58:13 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 08-May-2025 01:57:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0146504-008
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:32:33 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 07:01:13

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.707	1.695	0.012	65	15482	0.2500	0.5769	
	2 N-Nitrosodimethylamine	74	1.964	1.929	0.035	73	11307	0.2500	0.2566	
	3 Pyridine	79	2.023	1.970	0.053	96	32011	0.5000	0.4443	
	4 Dimethylformamide	73	2.268	2.291	-0.023	1	2444	0.2500	0.0498	
	5 2-Picoline	93	2.607	2.565	0.042	23	8546	0.2500	0.1299	
	6 N-Nitrosomethylethylamine	88	2.612	2.641	-0.029	9	15079	0.2500	0.5107	
	7 Methyl methanesulfonate	80	2.928	2.916	0.012	37	11658	0.2500	0.2497	
$	9 2-Fluorophenol	112	3.079	3.068	0.011	86	26707	0.5000	0.4974	
	11 N-Nitrosodiethylamine	102	3.296	3.290	0.006	60	7244	0.2500	0.2732	
	12 Ethyl methanesulfonate	109	3.582	3.587	-0.005	91	6802	0.2500	0.2404	
	13 Benzaldehyde	77	3.920	3.914	0.006	77	17047	0.2500	0.2703	
$	15 Phenol-d5	99	3.979	3.973	0.006	91	35662	0.5000	0.4456	M
	16 Phenol	94	3.996	3.990	0.006	64	20377	0.2500	0.2414	
	17 Aniline	93	4.025	4.014	0.011	33	18911	0.2500	0.2027	a
	18 Bis(2-chloroethyl)ether	93	4.078	4.072	0.006	88	15975	0.2500	0.2595	
	19 2-Chlorophenol	128	4.131	4.124	0.007	83	9333	0.2500	0.1909	
	21 1,3-Dichlorobenzene	146	4.276	4.270	0.006	73	10029	0.2500	0.1828	
*	22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	95	180841	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.347	4.346	0.001	86	13591	0.2500	0.2345	
	26 Benzyl alcohol	108	4.481	4.463	0.018	59	7107	0.2500	0.1800	
	27 1,2-Dichlorobenzene	146	4.493	4.492	0.001	84	11348	0.2500	0.2139	
	29 2-Methylphenol	108	4.580	4.574	0.006	84	9054	0.2500	0.1683	
	30 2,2'-oxybis[1-chloropropane]	45	4.592	4.592	0.000	85	15262	0.2500	0.2173	
	31 N-Nitrosopyrrolidine	100	4.703	4.697	0.006	86	9429	0.2500	0.2919	
	32 Acetophenone	105	4.720	4.720	0.000	88	21830	0.2500	0.2312	
	33 N-Nitrosodi-n-propylamine	70	4.714	4.720	-0.006	75	12979	0.2500	0.2265	
	34 4-Methylphenol	108	4.738	4.726	0.012	61	13504	0.2500	0.2230	
	35 N-Nitrosomorpholine	56	4.744	4.738	0.006	42	11677	0.2500	0.2697	
	36 2-Toluidine	106	4.755	4.755	0.000	90	23293	0.2500	0.2558	
	37 Hexachloroethane	117	4.814	4.814	0.000	77	5747	0.2500	0.2014	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.866	4.866	0.000	88	42159	0.5000	0.4979	
40 Nitrobenzene	77	4.884	4.884	0.000	80	20583	0.2500	0.2479	
41 N-Nitrosopiperidine	114	5.030	5.030	0.000	82	7470	0.2500	0.2772	
42 Isophorone	82	5.111	5.111	0.000	95	33836	0.2500	0.2335	
43 2-Nitrophenol	139	5.193	5.187	0.006	46	5600	0.2500	0.2019	
44 2,4-Dimethylphenol	107	5.240	5.234	0.006	89	14225	0.2500	0.2205	
46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	82	5239	0.2500	0.2199	
47 Bis(2-chloroethoxy)methane	93	5.333	5.327	0.006	78	13385	0.2500	0.1800	
49 2,4-Dichlorophenol	162	5.433	5.421	0.012	42	8882	0.2500	0.2178	
54 alpha,alpha-Dimethyl phenethylam	58		5.438				ND	ND	U
50 1,2,4-Trichlorobenzene	180	5.497	5.497	0.000	85	12563	0.2500	0.2672	
* 52 Naphthalene-d8	136	5.549	5.549	0.000	98	678080	5.00	5.00	
53 Naphthalene	128	5.573	5.573	0.000	94	34677	0.2500	0.2396	
55 Alpha-Terpineol	59	5.584	5.584	0.000	89	13050	0.2500	0.2403	
56 4-Chloroaniline	127	5.643	5.631	0.012	67	10899	0.2500	0.1782	
57 2,6-Dichlorophenol	162	5.643	5.637	0.006	83	10594	0.2500	0.2540	
58 Hexachloropropene	213	5.655	5.654	0.000	88	9615	0.2500	0.2496	
59 Hexachlorobutadiene	225	5.690	5.695	-0.005	86	6166	0.2500	0.2001	
61 Quinoline	129	5.906	5.894	0.012	81	18146	0.2500	0.1986	
63 N-Nitrosodi-n-butylamine	84	5.958	5.958	0.000	80	17446	0.2500	0.2647	
62 Caprolactam	113	5.952	5.958	-0.006	48	4083	0.2500	0.2703	
64 p-Phenylene diamine	108	5.952	5.975	-0.023	38	395	0.2500	0.8037	
65 4-Chloro-3-methylphenol	107	6.116	6.104	0.012	82	12580	0.2500	0.2185	
66 Safrole, Total	162	6.163	6.162	0.000	77	10147	0.2500	0.2705	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	86	19935	0.2500	0.2365	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	92	19341	0.2500	0.2232	
71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	88	9371	0.2500	0.2221	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	90	11095	0.2500	0.2266	
72 Isosafrole Peak 1	162	6.443	6.443	0.000	20	4598	0.0400	0.1185	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	74	5342	0.2500	0.1780	
S 24 Dinitrotoluene	165				0		0.5000	0.4333	
80 2,4,5-Trichlorophenol	196	6.554	6.548	0.006	38	7630	0.2500	0.2204	Ma
$ 81 2-Fluorobiphenyl (Surr)	172	6.589	6.594	-0.005	97	51397	0.5000	0.4726	
82 Isosafrole Peak 2	162	6.659	6.653	0.006	53	7916	0.2100	0.1793	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	91	31241	0.2500	0.2532	
84 2-Chloronaphthalene	162	6.700	6.700	0.000	92	18511	0.2500	0.2094	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	88	22633	0.2500	0.2710	
86 Phenyl ether	170	6.787	6.787	0.000	88	15453	0.2500	0.2437	
87 2-Nitroaniline	138	6.816	6.805	0.011	1	7651	0.2500	0.2400	a
88 1,4-Naphthoquinone	158	6.881	6.875	0.006	65	8304	0.2500	0.2205	
89 1,4-Dinitrobenzene	168	6.951	6.945	0.006	46	3242	0.2500	0.2407	
90 Dimethyl phthalate	163	6.986	6.986	0.000	76	28448	0.2500	0.2495	
91 1,3-Dinitrobenzene	168	7.015	7.009	0.006	21	4607	0.2500	0.2835	M
92 2,6-Dinitrotoluene	165	7.038	7.038	0.000	65	4672	0.2500	0.2013	
93 Acenaphthylene	152	7.097	7.097	0.000	97	34065	0.2500	0.2420	
95 3-Nitroaniline	138	7.208	7.196	0.012	60	5342	0.2500	0.2020	
* 96 Acenaphthene-d10	164	7.225	7.231	-0.006	96	385891	5.00	5.00	
97 Acenaphthene	153	7.260	7.260	0.000	95	25795	0.2500	0.2599	
98 2,4-Dinitrophenol	184	7.301	7.295	0.006	68	33762	2.50	2.15	
100 4-Nitrophenol	109	7.383	7.371	0.012	81	29289	1.50	1.07	
99 Pentachlorobenzene	250	7.383	7.383	0.000	78	9118	0.2500	0.2084	
102 2,4-Dinitrotoluene	165	7.418	7.424	-0.006	64	7697	0.2500	0.2320	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.424	7.424	0.000	93	34197	0.2500	0.2639	
104 1-Naphthylamine	143	7.505	7.505	0.000	93	19831	0.2500	0.2230	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	69	6053	0.2500	0.1946	
106 2-Naphthylamine	143	7.587	7.581	0.006	93	25233	0.2500	0.2688	
107 Diethyl phthalate	149	7.657	7.657	0.000	94	28236	0.2500	0.2392	
109 Thionazin	107	7.733	7.733	0.000	41	4251	0.2500	0.2025	
108 Fluorene	166	7.751	7.751	0.000	58	27111	0.2500	0.2528	
110 4-Chlorophenyl phenyl ether	204	7.757	7.756	0.001	54	14397	0.2500	0.2850	
111 N-Nitro-o-toluidine	152	7.774	7.768	0.006	69	9793	0.2500	0.3290	
112 4-Nitroaniline	138	7.786	7.774	0.012	40	6632	0.2500	0.2452	
113 4,6-Dinitro-2-methylphenol	198	7.803	7.803	0.000	62	24274	1.50	1.12	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	62	18671	0.2125	0.2085	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	99	38522	0.2500	0.2186	
$ 116 2,4,6-Tribromophenol	330	7.978	7.978	0.000	84	10101	0.5000	0.4542	
117 Sulfotepp	97	8.031	8.031	0.000	71	6834	0.2500	0.2150	
118 1,3,5-Trinitrobenzene	213	8.136	8.136	0.000	66	1489	0.2500	0.1512	
120 cis-Diallate	86	8.148	8.148	0.000	76	16929	0.1850	0.2895	
119 Phorate	75	8.154	8.159	-0.005	91	26104	0.2500	0.2187	
121 Phenacetin	108	8.177	8.171	0.006	86	12807	0.2500	0.1650	
122 4-Bromophenyl phenyl ether	248	8.218	8.224	-0.006	72	6841	0.2500	0.2132	
123 trans-Diallate	86	8.230	8.235	-0.005	43	12815	0.0650	0.1966	a
124 Hexachlorobenzene	284	8.265	8.270	-0.005	85	10960	0.2500	0.2653	
125 Dimethoate	87	8.317	8.317	0.000	91	15330	0.2500	0.2535	
126 Atrazine	200	8.387	8.387	0.000	82	9807	0.2500	0.2806	
127 Pentachlorophenol	266	8.463	8.463	0.000	86	30580	1.25	1.13	
129 4-Aminobiphenyl	169	8.475	8.469	0.006	58	31435	0.2500	0.2488	
128 Pentachloronitrobenzene	237	8.469	8.469	0.000	50	5902	0.2500	0.2714	
130 Pronamide	173	8.533	8.533	0.000	86	14913	0.2500	0.2654	
* 131 Phenanthrene-d10	188	8.638	8.644	-0.006	97	763891	5.00	5.00	
133 Dinoseb	211	8.644	8.644	0.000	60	5548	0.2500	0.2027	
134 Disulfoton	88	8.656	8.656	0.000	89	26114	0.2500	0.2782	a
132 Phenanthrene	178	8.662	8.661	0.001	93	41408	0.2500	0.2444	
135 Anthracene	178	8.714	8.714	0.000	97	39512	0.2500	0.2322	
136 Carbazole	167	8.878	8.872	0.006	95	34108	0.2500	0.2262	
137 Methyl parathion	109	9.012	9.012	0.000	50	9770	0.2500	0.2007	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	98	49836	0.2500	0.2427	
139 Ethyl Parathion	109	9.386	9.385	0.001	75	6525	0.2500	0.2086	
140 4-Nitroquinoline-1-oxide	190	9.415	9.409	0.006	38	2645	0.2500	0.1704	
142 Octachlorostyrene	308	9.613	9.613	0.000	74	4681	0.2500	0.2397	
143 Isodrin	193	9.631	9.648	-0.017	81	9845	0.2500	0.2544	
S 68 Diallate	86				0		0.2500	0.4861	
144 Fluoranthene	202	9.794	9.794	0.000	97	41900	0.2500	0.2267	
145 Benzidine	184	9.940	9.940	0.000	98	68575	0.7500	0.5615	
* 146 Pyrene-d10 (IS)	212	9.987	9.993	-0.006	98	761740	5.00	5.00	
147 Pyrene	202	10.005	10.010	-0.005	95	47330	0.2500	0.2454	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	97	52911	0.5000	0.4358	
149 p-Dimethylamino azobenzene	225	10.308	10.314	-0.006	85	7436	0.2500	0.2653	
150 Chlorobenzilate	139	10.361	10.361	0.000	76	16142	0.2500	0.2463	
151 Famphur	218	10.618	10.618	0.000	84	18932	0.2500	0.2883	a
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	97	21632	0.2500	0.2370	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	93	20117	0.2500	0.2224	
155 2-Acetylaminofluorene	181	10.933	10.933	0.000	86	13803	0.2500	0.2065	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		0.2500	0.2978	
157 3,3'-Dichlorobenzidine	252	11.266	11.260	0.006	60	16478	0.2500	0.2285	
158 4,4'-Methylene bis(2-chloroanil	231	11.272	11.271	0.001	67	9733	0.2500	0.2758	
156 Benzo[a]anthracene	228	11.272	11.271	0.001	96	38302	0.2500	0.2220	
159 Chrysene	228	11.313	11.312	0.001	97	39115	0.2500	0.2425	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	94	29063	0.2500	0.2301	
S 103 Aramite, Total	185		11.583				0.2500	ND	
161 6-Methylchrysene	242	11.879	11.873	0.006	96	26984	0.2500	0.2448	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	98	49935	0.2500	0.2375	
164 Benzo[b]fluoranthene	252	12.656	12.655	0.001	94	36677	0.2500	0.2108	
163 7,12-Dimethylbenz(a)anthracene	256	12.650	12.655	-0.005	68	12739	0.2500	0.1919	
165 Benzo[k]fluoranthene	252	12.691	12.696	-0.005	96	45350	0.2500	0.2576	
166 Benzo[a]pyrene	252	13.105	13.105	0.000	78	45238	0.2500	0.2507	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	746749	5.00	5.00	
168 3-Methylcholanthrene	268	13.625	13.625	0.000	85	20575	0.2500	0.2564	
169 Dibenz[a,h]acridine	279	14.413	14.413	0.000	78	31220	0.2500	0.2461	
170 Dibenz[a,j]acridine	279	14.483	14.483	0.000	95	35901	0.2500	0.2466	
171 Indeno[1,2,3-cd]pyrene	276	14.699	14.705	-0.006	95	46823	0.2500	0.2754	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	93	37971	0.2500	0.2349	M
173 Benzo[g,h,i]perylene	276	15.061	15.061	0.000	97	39413	0.2500	0.2376	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_2_00043 Amount Added: 1.00 Units: mL

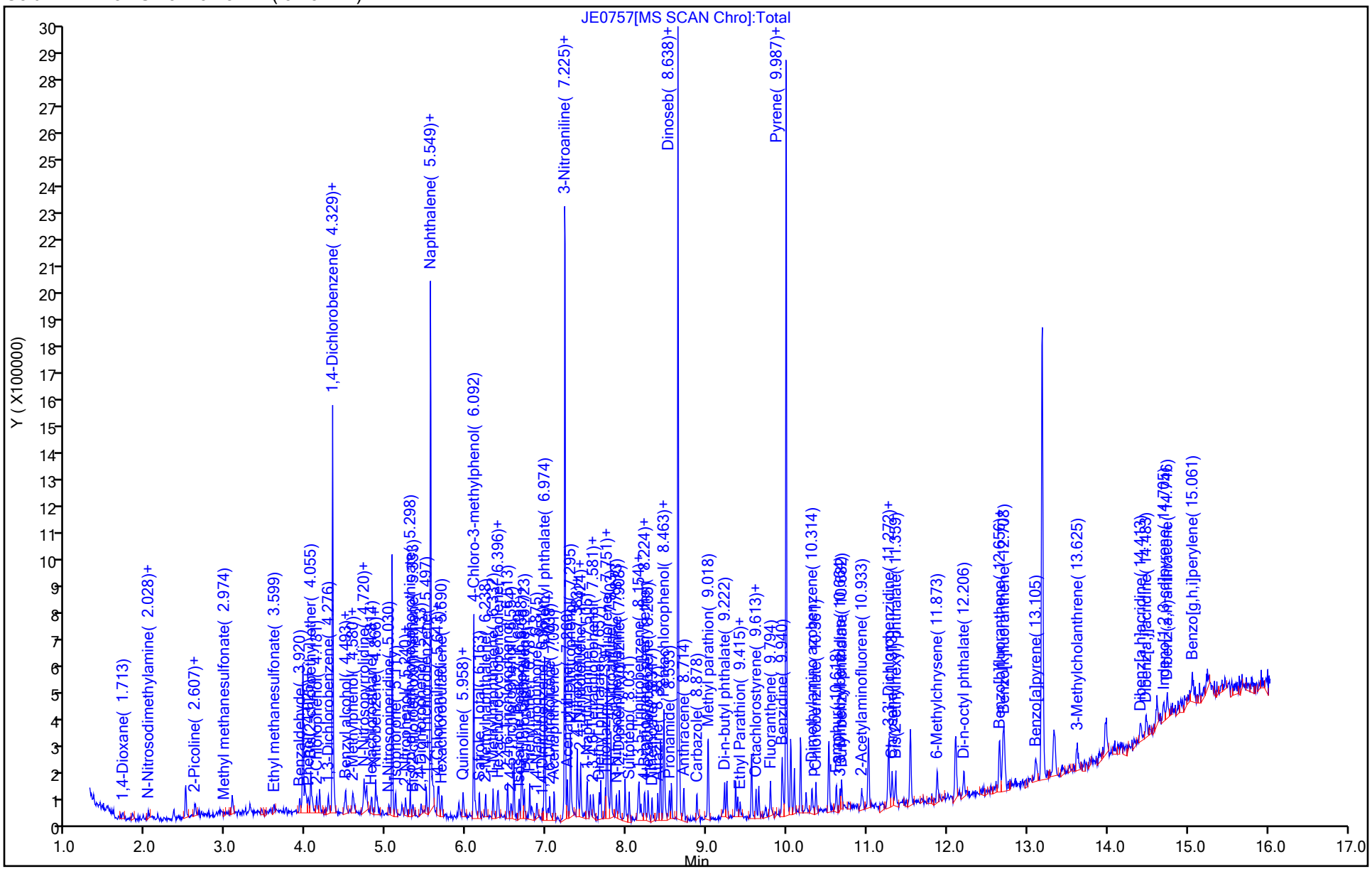
Report Date: 08-May-2025 09:32:34 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D

Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L2			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

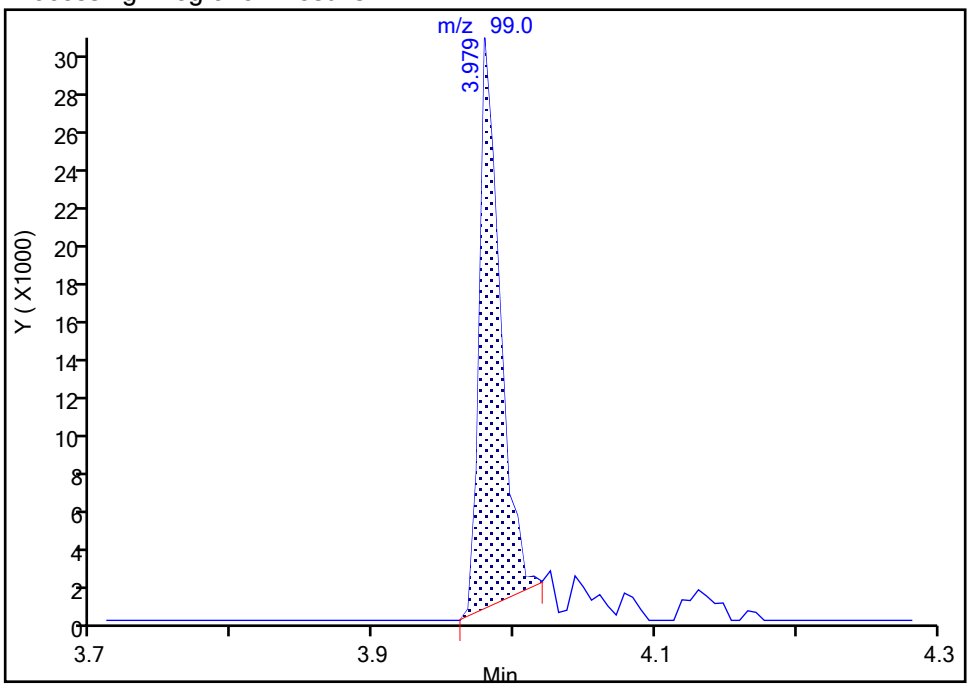
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D				
Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

$ 15 Phenol-d5, CAS: 4165-62-2

Signal: 1

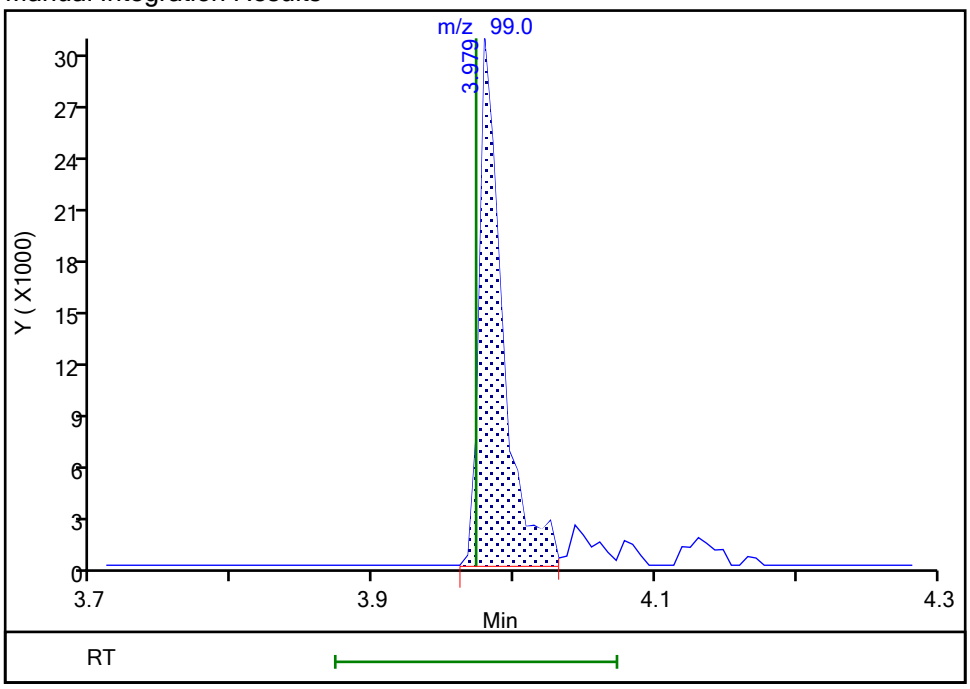
Processing Integration Results

RT: 3.98
Area: 30714
Amount: 0.492635
Amount Units: ug/ml



Manual Integration Results

RT: 3.98
Area: 35662
Amount: 0.445581
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 06:59:03 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

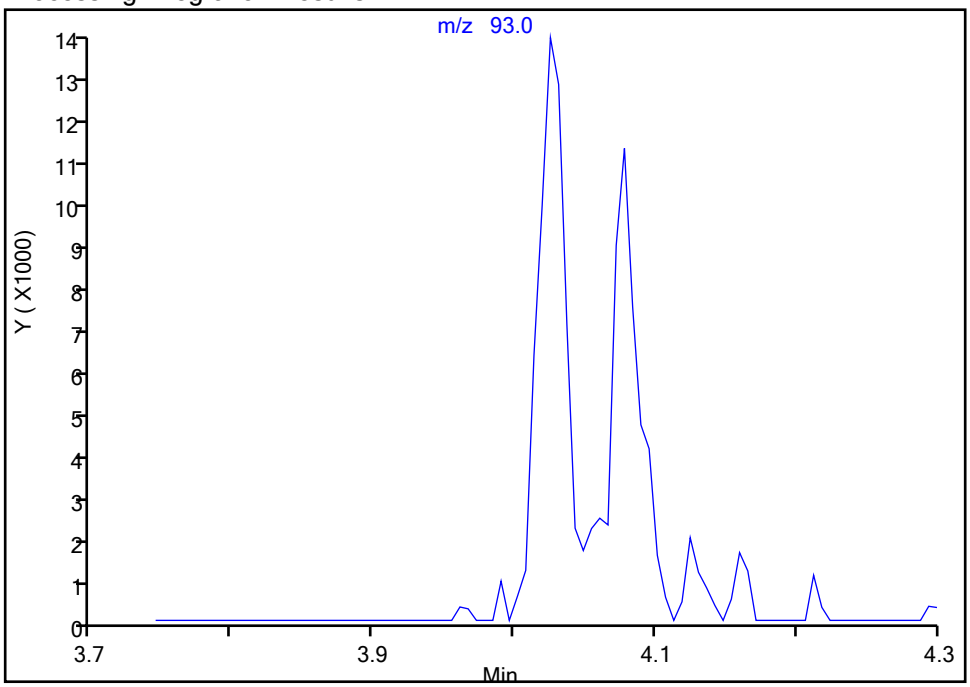
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D				
Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

17 Aniline, CAS: 62-53-3

Signal: 1

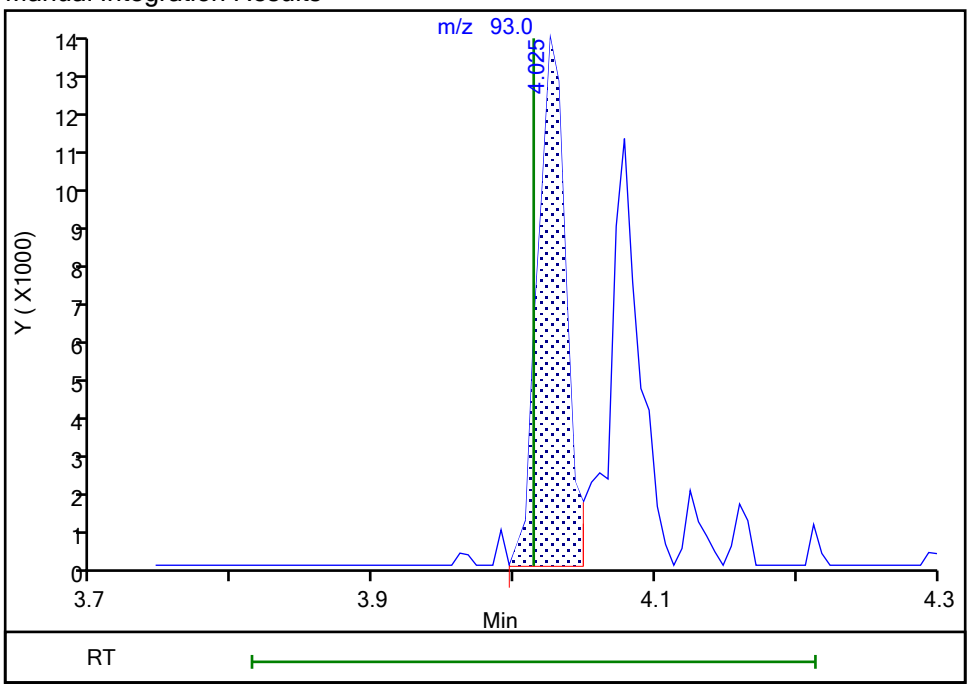
Not Detected
Expected RT: 4.01

Processing Integration Results



Manual Integration Results

RT: 4.03
Area: 18911
Amount: 0.202750
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 06:59:17 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

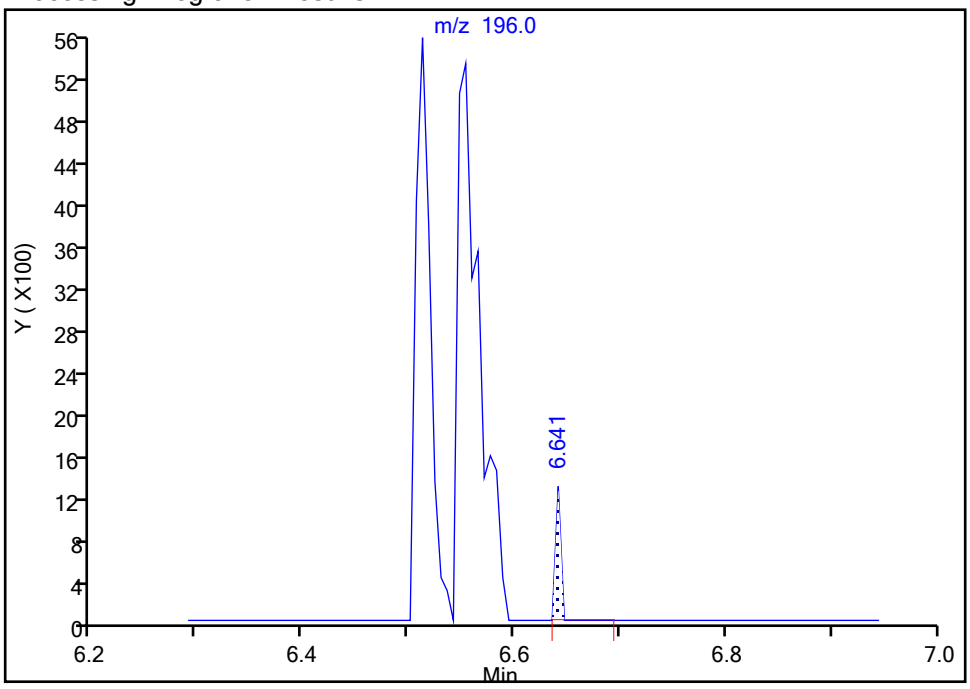
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D				
Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

80 2,4,5-Trichlorophenol, CAS: 95-95-4

Signal: 1

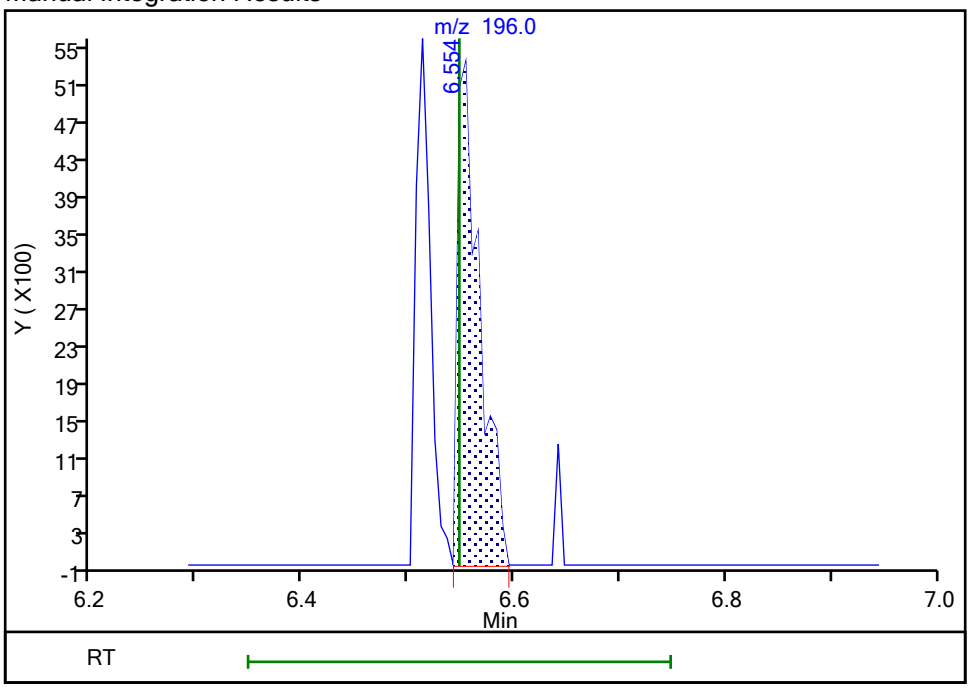
Processing Integration Results

RT: 6.64
Area: 444
Amount: 0.015559
Amount Units: ug/ml



Manual Integration Results

RT: 6.55
Area: 7630
Amount: 0.220440
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 06:59:57 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

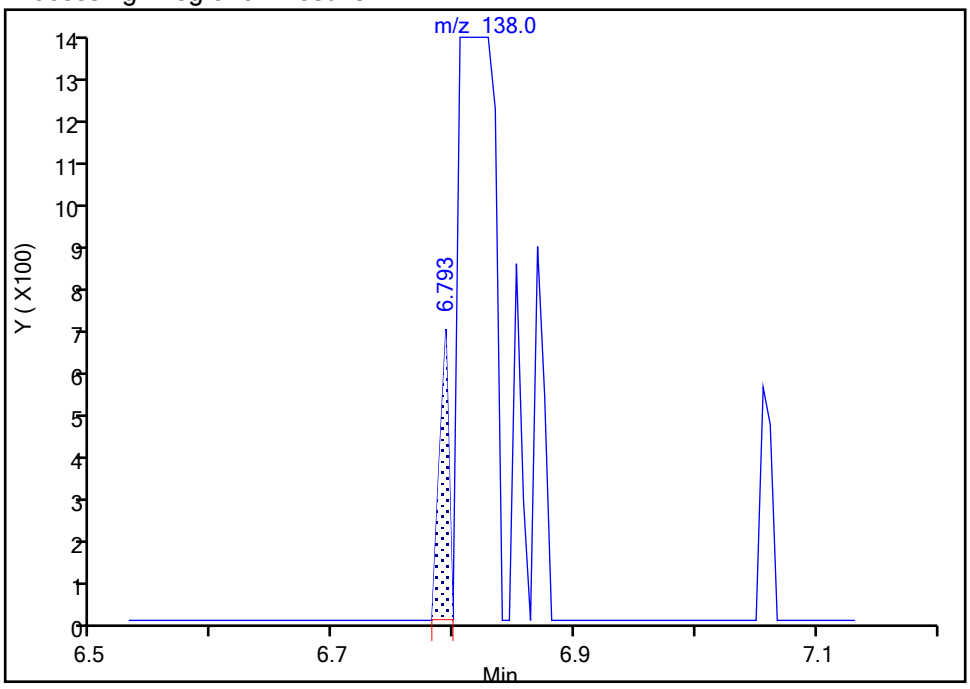
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D				
Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

87 2-Nitroaniline, CAS: 88-74-4

Signal: 1

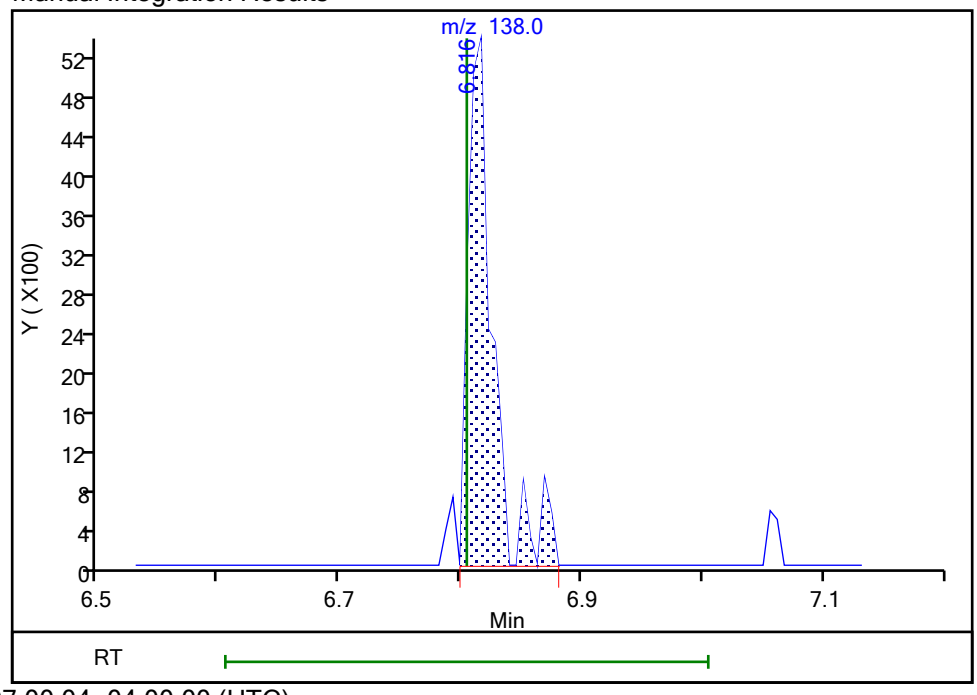
Processing Integration Results

RT: 6.79
Area: 372
Amount: 0.013173
Amount Units: ug/ml



Manual Integration Results

RT: 6.82
Area: 7651
Amount: 0.240006
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:00:04 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

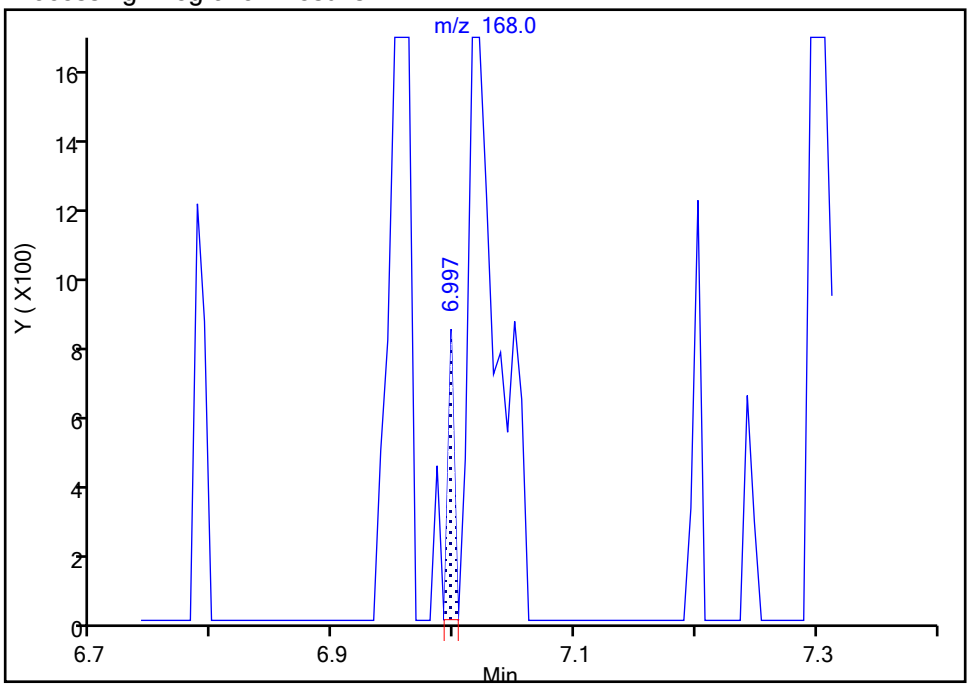
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D				
Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

91 1,3-Dinitrobenzene, CAS: 99-65-0

Signal: 1

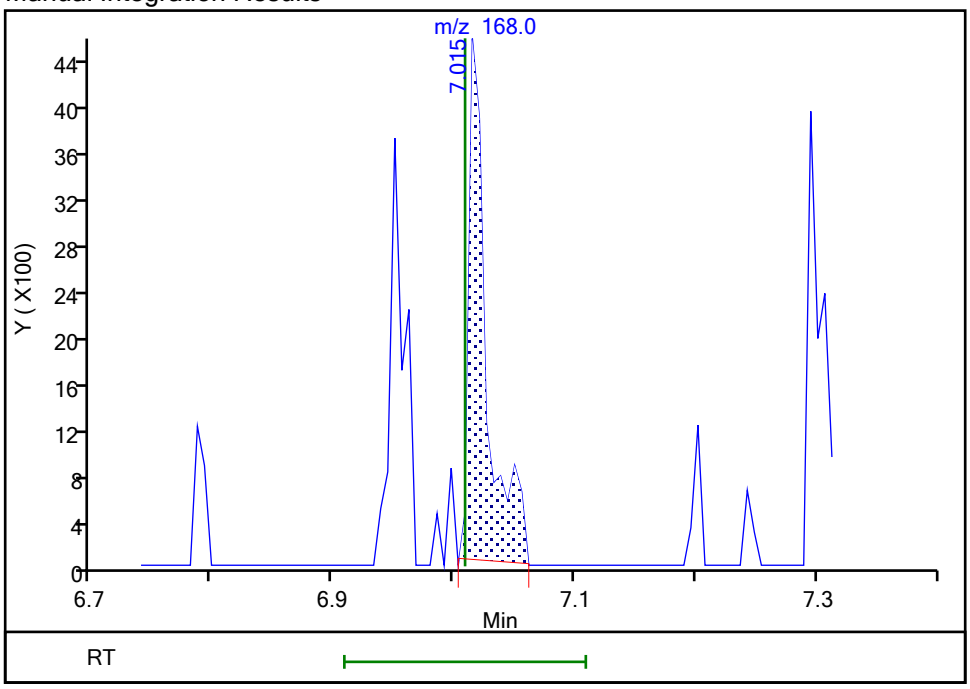
Processing Integration Results

RT: 7.00
Area: 291
Amount: 0.020653
Amount Units: ug/ml



Manual Integration Results

RT: 7.02
Area: 4607
Amount: 0.283541
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:00:20 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

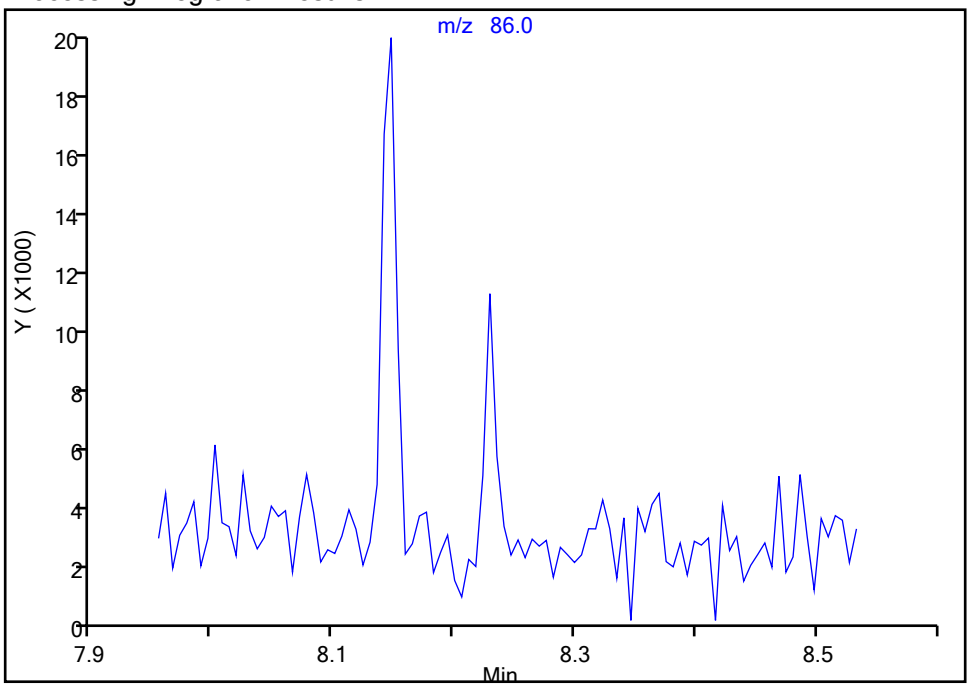
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D				
Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

123 trans-Diallate, CAS: 17708-58-6

Signal: 1

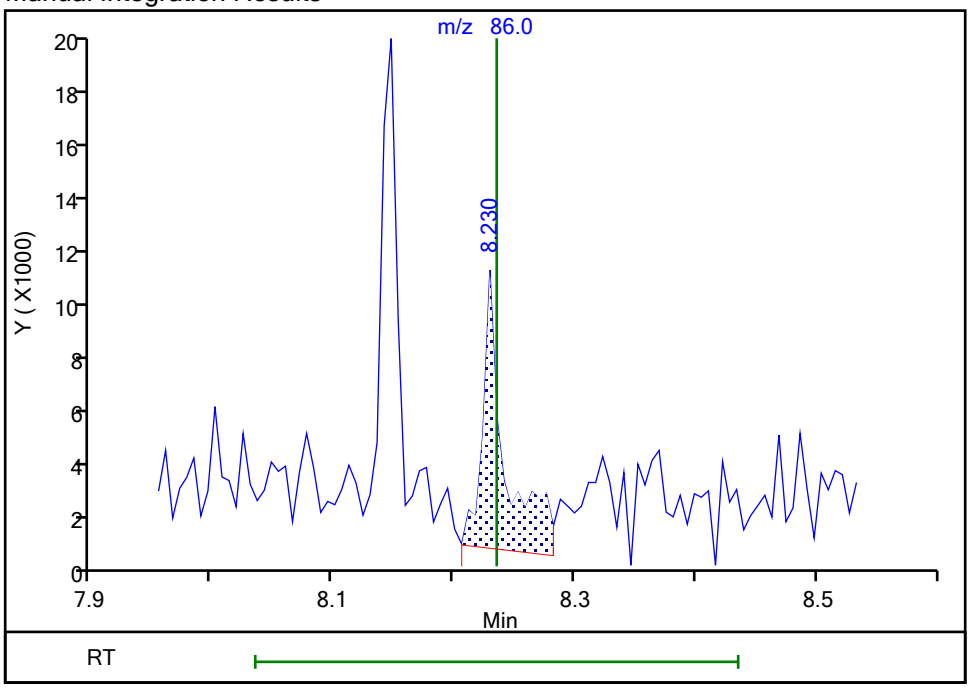
Not Detected
Expected RT: 8.24

Processing Integration Results



Manual Integration Results

RT: 8.23
Area: 12815
Amount: 0.196579
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:00:34 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

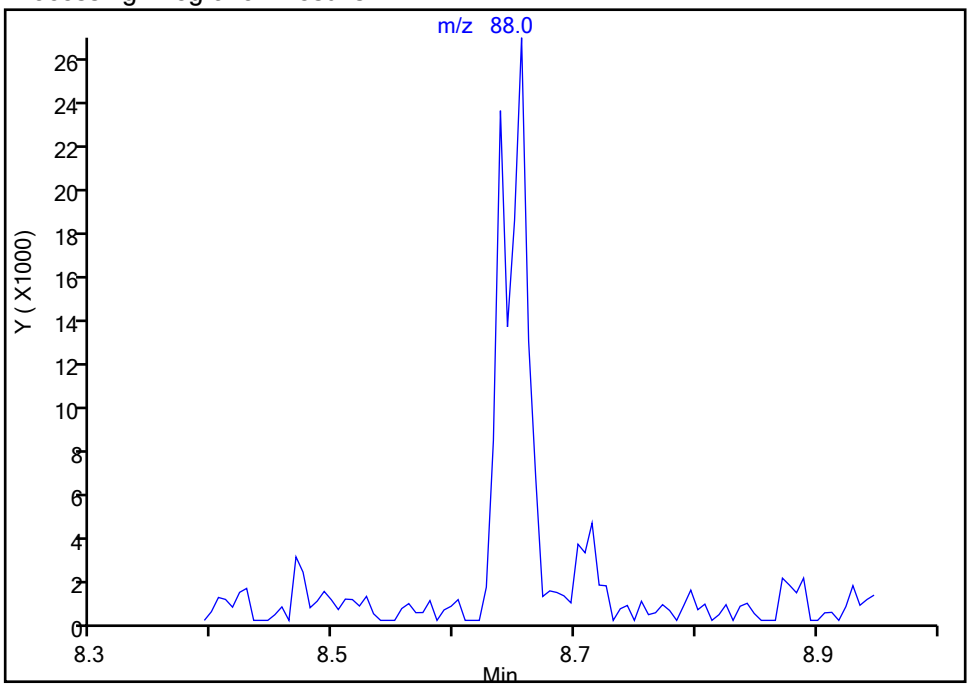
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D				
Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

134 Disulfoton, CAS: 298-04-4

Signal: 1

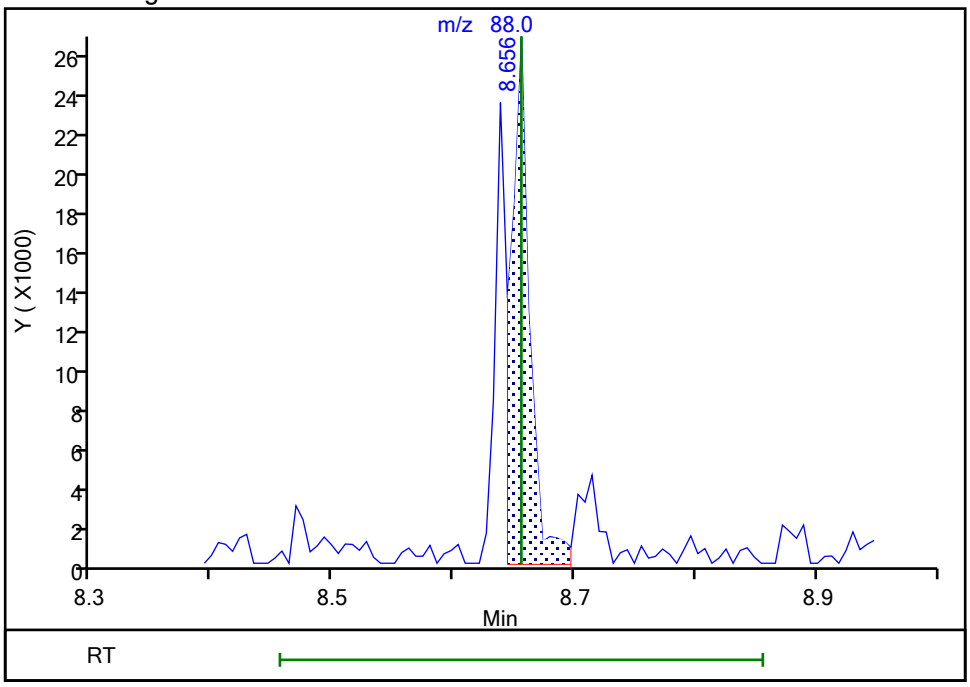
Not Detected
Expected RT: 8.66

Processing Integration Results



Manual Integration Results

RT: 8.66
Area: 26114
Amount: 0.278226
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:00:41 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

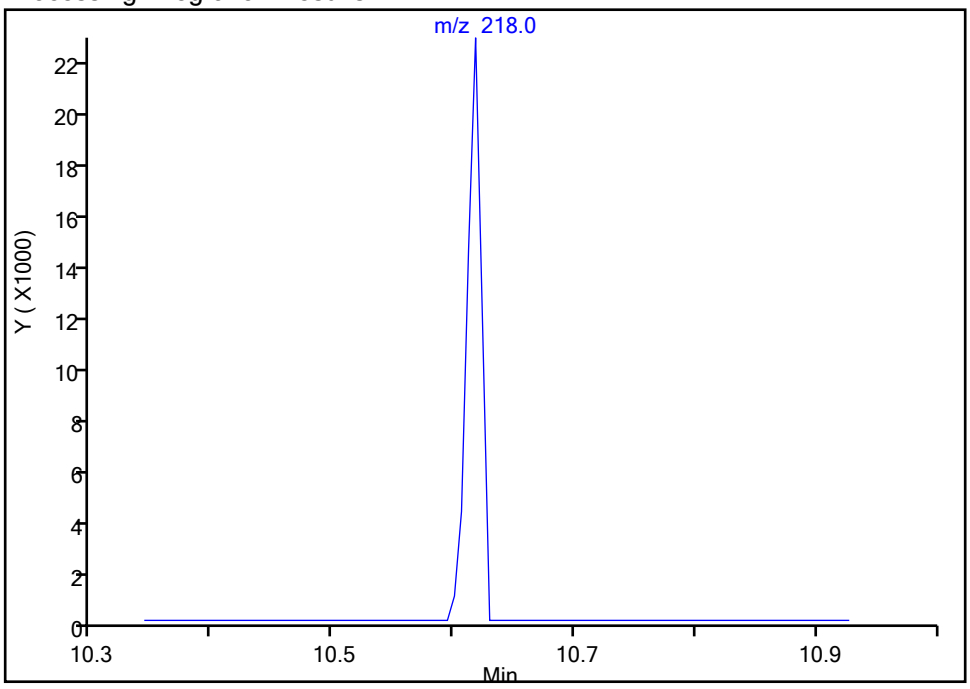
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D				
Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Famphur, CAS: 52-85-7

Signal: 1

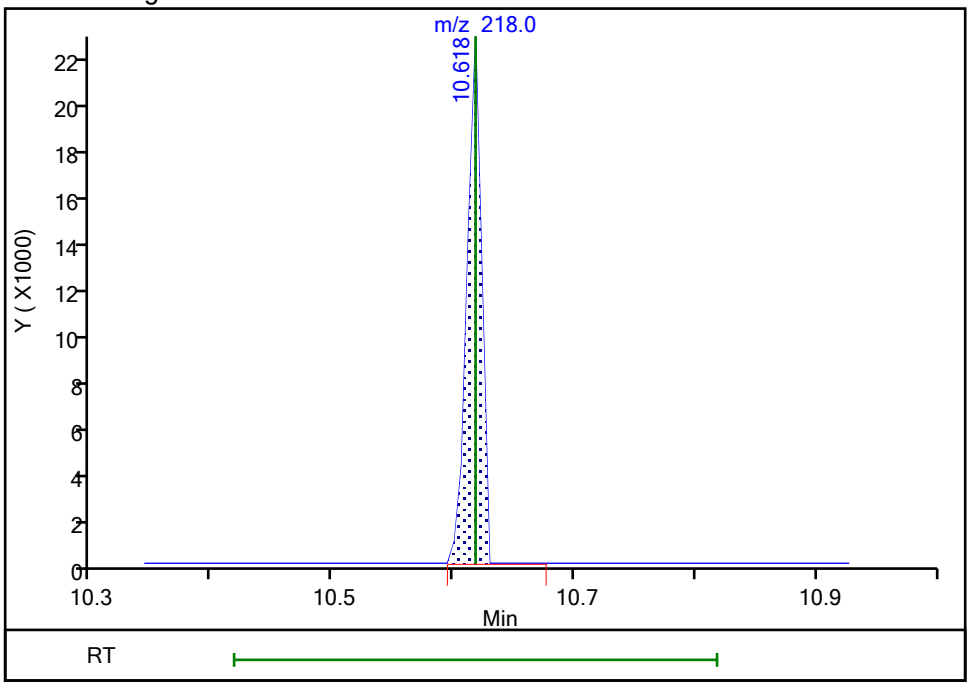
Not Detected
Expected RT: 10.62

Processing Integration Results



Manual Integration Results

RT: 10.62
Area: 18932
Amount: 0.288307
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:00:50 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

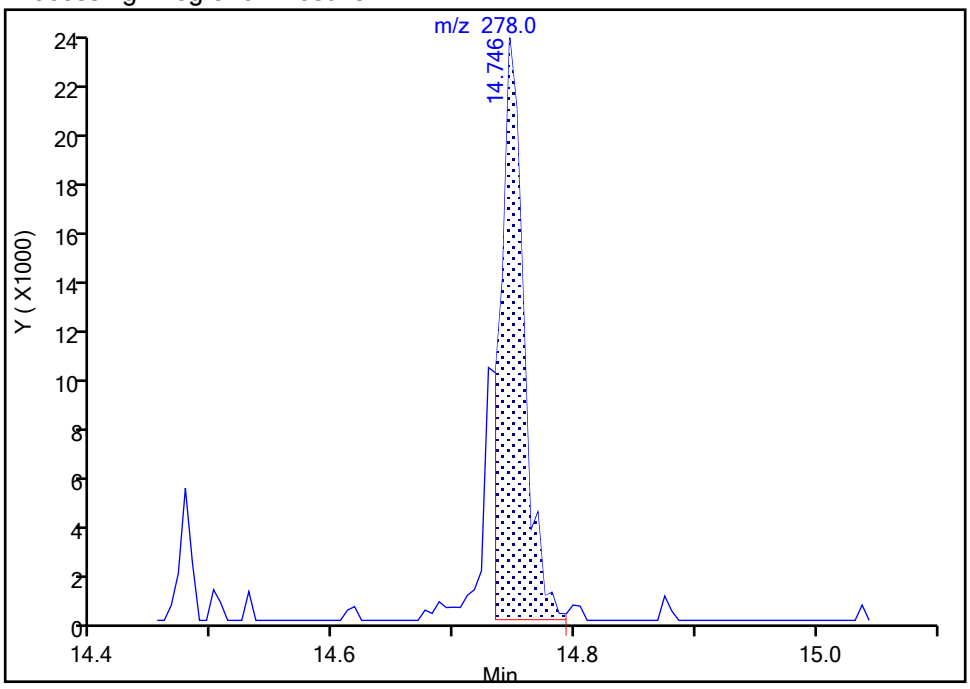
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D				
Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

172 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

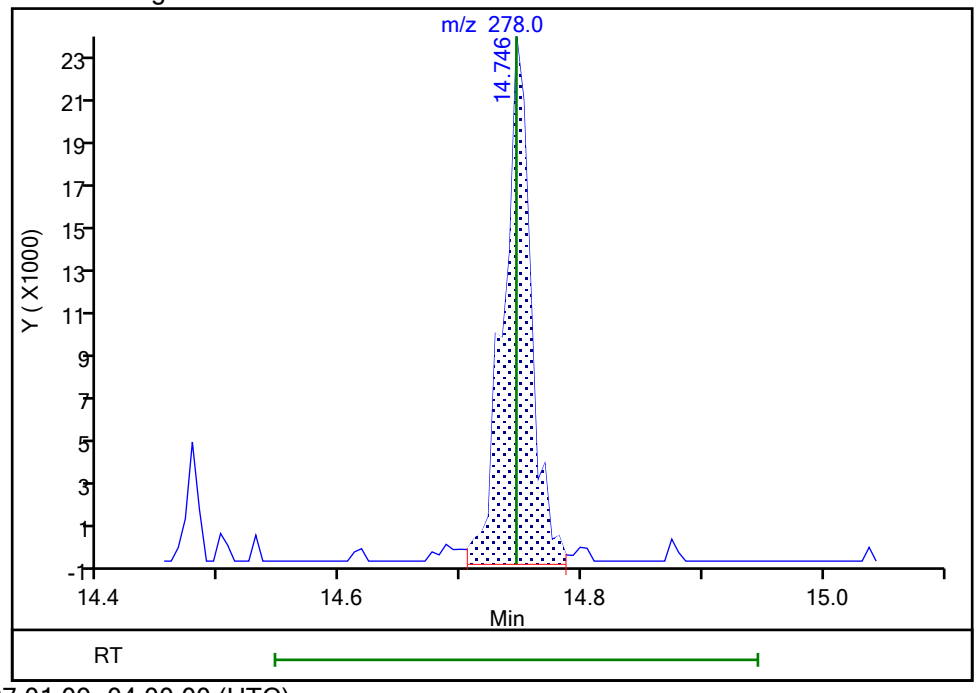
Processing Integration Results

RT: 14.75
Area: 30570
Amount: 0.193529
Amount Units: ug/ml



Manual Integration Results

RT: 14.75
Area: 37971
Amount: 0.234880
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:01:09 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 08-May-2025 02:18:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0146504-009
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:32:54 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 07:03:12

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.725	1.695	0.030	1	7216	0.1250	0.2882	
	2 N-Nitrosodimethylamine	74	1.982	1.929	0.053	59	5612	0.1250	0.1365	
	3 Pyridine	79	2.046	1.970	0.076	58	19645	0.2500	0.2922	
	4 Dimethylformamide	73	2.274	2.291	-0.017	21	3401	0.1250	0.0743	
	5 2-Picoline	93	2.624	2.565	0.059	8	6595	0.1250	0.1074	
	6 N-Nitrosomethylethylamine	88	2.636	2.641	-0.005	1	2807	0.1250	0.1019	
	7 Methyl methanesulfonate	80	2.933	2.916	0.017	18	5834	0.1250	0.1339	
$	9 2-Fluorophenol	112	3.074	3.068	0.006	37	9488	0.2500	0.1894	
	11 N-Nitrosodiethylamine	102	3.307	3.290	0.017	41	2372	0.1250	0.0959	
	12 Ethyl methanesulfonate	109	3.599	3.587	0.012	41	3096	0.1250	0.1173	
	13 Benzaldehyde	77	3.920	3.914	0.006	49	7012	0.1250	0.1191	
$	15 Phenol-d5	99	3.990	3.973	0.017	86	10213	0.2500	0.1367	
	16 Phenol	94	3.996	3.990	0.006	45	9400	0.1250	0.1193	
	17 Aniline	93	4.025	4.014	0.011	36	9071	0.1250	0.1042	
	18 Bis(2-chloroethyl)ether	93	4.078	4.072	0.006	38	7761	0.1250	0.1351	
	19 2-Chlorophenol	128	4.136	4.124	0.012	31	6543	0.1250	0.1434	
	21 1,3-Dichlorobenzene	146	4.276	4.270	0.006	67	7964	0.1250	0.1556	
*	22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	95	168754	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.341	4.346	-0.005	35	8488	0.1250	0.1570	
	26 Benzyl alcohol	108	4.481	4.463	0.018	51	3413	0.1250	0.0926	
	27 1,2-Dichlorobenzene	146	4.487	4.492	-0.005	73	6693	0.1250	0.1352	a
	29 2-Methylphenol	108	4.574	4.574	0.000	7	4198	0.1250	0.0836	
	30 2,2'-oxybis[1-chloropropane]	45	4.598	4.592	0.006	39	10939	0.1250	0.1669	
	31 N-Nitrosopyrrolidine	100	4.708	4.697	0.011	34	3692	0.1250	0.1225	
	32 Acetophenone	105	4.726	4.720	0.006	84	10322	0.1250	0.1172	
	33 N-Nitrosodi-n-propylamine	70	4.720	4.720	0.000	49	6879	0.1250	0.1286	
	34 4-Methylphenol	108	4.749	4.726	0.023	67	6255	0.1250	0.1107	Ma
	35 N-Nitrosomorpholine	56	4.744	4.738	0.006	45	7147	0.1250	0.1769	
	36 2-Toluidine	106	4.755	4.755	0.000	83	10897	0.1250	0.1282	
	37 Hexachloroethane	117	4.819	4.814	0.005	23	4290	0.1250	0.1611	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.866	4.866	0.000	93	17128	0.2500	0.1984	
40 Nitrobenzene	77	4.878	4.884	-0.006	30	8640	0.1250	0.1021	a
41 N-Nitrosopiperidine	114	5.030	5.030	0.000	33	3663	0.1250	0.1333	
42 Isophorone	82	5.117	5.111	0.006	96	17590	0.1250	0.1191	
43 2-Nitrophenol	139	5.199	5.187	0.012	26	4363	0.1250	0.1543	
44 2,4-Dimethylphenol	107	5.240	5.234	0.006	34	6652	0.1250	0.1011	
46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	80	3560	0.1250	0.1466	
47 Bis(2-chloroethoxy)methane	93	5.333	5.327	0.006	58	8515	0.1250	0.1123	
49 2,4-Dichlorophenol	162	5.433	5.421	0.012	8	3860	0.1250	0.0929	
54 alpha,alpha-Dimethyl phenethylam	58		5.438				ND	ND	MU
50 1,2,4-Trichlorobenzene	180	5.491	5.497	-0.006	8	4555	0.1250	0.0950	
* 52 Naphthalene-d8	136	5.549	5.549	0.000	99	691214	5.00	5.00	
53 Naphthalene	128	5.573	5.573	0.000	92	18400	0.1250	0.1247	
55 Alpha-Terpineol	59	5.584	5.584	0.000	46	5231	0.1250	0.0945	
56 4-Chloroaniline	127	5.654	5.631	0.023	73	5563	0.1250	0.0892	
57 2,6-Dichlorophenol	162	5.643	5.637	0.006	67	4089	0.1250	0.0962	
58 Hexachloropropene	213	5.660	5.654	0.006	85	6366	0.1250	0.1621	
59 Hexachlorobutadiene	225	5.695	5.695	0.000	8	3167	0.1250	0.1008	
61 Quinoline	129	5.911	5.894	0.017	40	10945	0.1250	0.1175	
63 N-Nitrosodi-n-butylamine	84	5.958	5.958	0.000	40	13153	0.1250	0.1958	
62 Caprolactam	113	5.987	5.958	0.029	1	1008	0.1250	0.0655	
64 p-Phenylene diamine	108	5.976	5.975	0.001	1	182	0.1250	0.8003	
65 4-Chloro-3-methylphenol	107	6.122	6.104	0.018	29	7169	0.1250	0.1222	
66 Safrole, Total	162	6.162	6.162	0.000	33	4597	0.1250	0.1202	a
67 2-Methylnaphthalene	142	6.238	6.238	0.000	90	10200	0.1250	0.1187	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	85	10296	0.1250	0.1166	
71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	72	6242	0.1250	0.1503	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	84	6059	0.1250	0.1257	
72 Isosafrole Peak 1	162	6.449	6.443	0.006	1	895	0.0200	0.0234	
79 2,4,6-Trichlorophenol	196	6.519	6.513	0.006	69	3619	0.1250	0.1225	
S 24 Dinitrotoluene	165				0		0.2500	0.1702	
80 2,4,5-Trichlorophenol	196	6.554	6.548	0.006	1	1815	0.1250	0.0533	
$ 81 2-Fluorobiphenyl (Surr)	172	6.594	6.594	0.000	96	27755	0.2500	0.2593	
82 Isosafrole Peak 2	162	6.659	6.653	0.006	17	5952	0.1050	0.1370	a
83 1,1'-Biphenyl	154	6.688	6.688	0.000	88	17739	0.1250	0.1461	
84 2-Chloronaphthalene	162	6.700	6.700	0.000	46	8441	0.1250	0.0970	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	1	10178	0.1250	0.1238	
86 Phenyl ether	170	6.793	6.787	0.006	88	8709	0.1250	0.1395	
87 2-Nitroaniline	138	6.816	6.805	0.011	1	3875	0.1250	0.1235	
88 1,4-Naphthoquinone	158	6.886	6.875	0.011	48	5897	0.1250	0.1591	
89 1,4-Dinitrobenzene	168	6.916	6.945	-0.029	1	895	0.1250	0.0675	
90 Dimethyl phthalate	163	6.986	6.986	0.000	89	14401	0.1250	0.1283	
91 1,3-Dinitrobenzene	168	7.015	7.009	0.006	13	1733	0.1250	0.1084	
92 2,6-Dinitrotoluene	165	7.027	7.038	-0.011	1	1627	0.1250	0.0712	a
93 Acenaphthylene	152	7.097	7.097	0.000	96	17695	0.1250	0.1277	
95 3-Nitroaniline	138	7.389	7.196	0.193	51	897	0.1250	0.0345	
* 96 Acenaphthene-d10	164	7.225	7.231	-0.006	96	379811	5.00	5.00	
97 Acenaphthene	153	7.260	7.260	0.000	91	13429	0.1250	0.1375	
98 2,4-Dinitrophenol	184	7.301	7.295	0.006	71	15535	1.25	1.01	
100 4-Nitrophenol	109	7.389	7.371	0.018	67	12754	0.7500	0.4716	
99 Pentachlorobenzene	250	7.383	7.383	0.000	83	6833	0.1250	0.1587	
102 2,4-Dinitrotoluene	165	7.429	7.424	0.005	64	3231	0.1250	0.0990	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.424	7.424	0.000	85	14428	0.1250	0.1131	
104 1-Naphthylamine	143	7.505	7.505	0.000	86	10123	0.1250	0.1156	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	38	4938	0.1250	0.1613	a
106 2-Naphthylamine	143	7.587	7.581	0.006	76	10429	0.1250	0.1129	
107 Diethyl phthalate	149	7.657	7.657	0.000	93	13594	0.1250	0.1170	
109 Thionazin	107	7.727	7.733	-0.006	41	3316	0.1250	0.1605	
108 Fluorene	166	7.751	7.751	0.000	73	16446	0.1250	0.1558	
110 4-Chlorophenyl phenyl ether	204	7.756	7.756	0.000	56	6079	0.1250	0.1223	
111 N-Nitro-o-toluidine	152	7.762	7.768	-0.006	1	2077	0.1250	0.0709	
112 4-Nitroaniline	138	7.797	7.774	0.023	39	1983	0.1250	0.0745	
113 4,6-Dinitro-2-methylphenol	198	7.803	7.803	0.000	66	15265	0.7500	0.6946	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	71	9091	0.1063	0.0998	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	95	20598	0.1250	0.1150	
$ 116 2,4,6-Tribromophenol	330	7.978	7.978	0.000	84	5543	0.2500	0.2532	
117 Sulfotepp	97	8.031	8.031	0.000	64	4465	0.1250	0.1382	
118 1,3,5-Trinitrobenzene	213	8.142	8.136	0.006	65	1411	0.1250	0.1409	
120 cis-Diallate	86	8.148	8.148	0.000	63	18283	0.0925	0.3075	
119 Phorate	75	8.154	8.159	-0.005	92	18449	0.1250	0.1521	
121 Phenacetin	108	8.189	8.171	0.018	12	6891	0.1250	0.0873	
122 4-Bromophenyl phenyl ether	248	8.218	8.224	-0.006	72	3699	0.1250	0.1134	
123 trans-Diallate	86	8.235	8.235	0.000	42	15641	0.0325	0.2360	a
124 Hexachlorobenzene	284	8.264	8.270	-0.006	80	4408	0.1250	0.1050	
125 Dimethoate	87	8.317	8.317	0.000	31	7099	0.1250	0.1155	a
126 Atrazine	200	8.387	8.387	0.000	10	4763	0.1250	0.1340	a
127 Pentachlorophenol	266	8.463	8.463	0.000	70	10450	0.6250	0.3798	
129 4-Aminobiphenyl	169	8.475	8.469	0.006	16	16003	0.1250	0.1246	a
128 Pentachloronitrobenzene	237	8.457	8.469	-0.012	50	1782	0.1250	0.0806	
130 Pronamide	173	8.533	8.533	0.000	83	7340	0.1250	0.1285	
* 131 Phenanthrene-d10	188	8.638	8.644	-0.006	97	776661	5.00	5.00	
133 Dinoseb	211	8.632	8.644	-0.012	60	2391	0.1250	0.0859	
134 Disulfoton	88	8.638	8.656	-0.018	55	26289	0.1250	0.2755	
132 Phenanthrene	178	8.662	8.661	0.001	91	21690	0.1250	0.1259	
135 Anthracene	178	8.714	8.714	0.000	96	20636	0.1250	0.1193	
136 Carbazole	167	8.878	8.872	0.006	95	13368	0.1250	0.0872	
137 Methyl parathion	109	9.012	9.012	0.000	63	7209	0.1250	0.1456	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	97	25342	0.1250	0.1214	
139 Ethyl Parathion	109	9.380	9.385	-0.005	1	4916	0.1250	0.1546	
140 4-Nitroquinoline-1-oxide	190	9.415	9.409	0.006	2	1957	0.1250	0.1240	
142 Octachlorostyrene	308	9.613	9.613	0.000	73	2745	0.1250	0.1383	
143 Isodrin	193	9.642	9.648	-0.006	75	5702	0.1250	0.0508	
S 68 Diallate	86				0		0.1250	0.5435	
144 Fluoranthene	202	9.794	9.794	0.000	95	19085	0.1250	0.1015	
145 Benzidine	184	9.940	9.940	0.000	98	27799	0.3750	0.2280	
* 146 Pyrene-d10 (IS)	212	9.993	9.993	0.000	98	760414	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	94	23720	0.1250	0.1232	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	95	29163	0.2500	0.2406	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	48	4237	0.1250	0.1514	
150 Chlorobenzilate	139	10.361	10.361	0.000	87	7653	0.1250	0.1170	
151 Famphur	218	10.618	10.618	0.000	86	7428	0.1250	0.1133	a
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	95	11376	0.1250	0.1248	
153 Butyl benzyl phthalate	149	10.682	10.688	-0.006	88	11864	0.1250	0.1314	
155 2-Acetylaminofluorene	181	10.939	10.933	0.006	28	6698	0.1250	0.1004	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		0.1250	0.1604	
157 3,3'-Dichlorobenzidine	252	11.266	11.260	0.006	54	7707	0.1250	0.1071	
158 4,4'-Methylene bis(2-chloroanil	231	11.277	11.271	0.006	64	3846	0.1250	0.1092	
156 Benzo[a]anthracene	228	11.277	11.271	0.006	97	20416	0.1250	0.1185	
159 Chrysene	228	11.312	11.312	0.000	94	19441	0.1250	0.1207	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	87	13227	0.1250	0.1049	
S 103 Aramite, Total	185		11.583				0.1250	ND	
161 6-Methylchrysene	242	11.873	11.873	0.000	77	13275	0.1250	0.1207	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	57	22506	0.1250	0.1135	
164 Benzo[b]fluoranthene	252	12.655	12.655	0.000	94	19546	0.1250	0.1192	
163 7,12-Dimethylbenz(a)anthracene	256	12.655	12.655	0.000	71	7565	0.1250	0.1209	
165 Benzo[k]fluoranthene	252	12.696	12.696	0.000	65	20465	0.1250	0.1233	
166 Benzo[a]pyrene	252	13.111	13.105	0.006	79	25694	0.1250	0.1511	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	703955	5.00	5.00	
168 3-Methylcholanthrene	268	13.613	13.625	-0.012	1	10015	0.1250	0.1324	
169 Dibenz[a,h]acridine	279	14.419	14.413	0.006	24	13718	0.1250	0.1147	
170 Dibenz[a,j]acridine	279	14.489	14.483	0.006	9	17476	0.1250	0.1274	
171 Indeno[1,2,3-cd]pyrene	276	14.711	14.705	0.006	94	16630	0.1250	0.1038	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	7	16038	0.1250	0.1052	
173 Benzo[g,h,i]perylene	276	15.061	15.061	0.000	79	16318	0.1250	0.1044	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_1_00042 Amount Added: 1.00 Units: mL

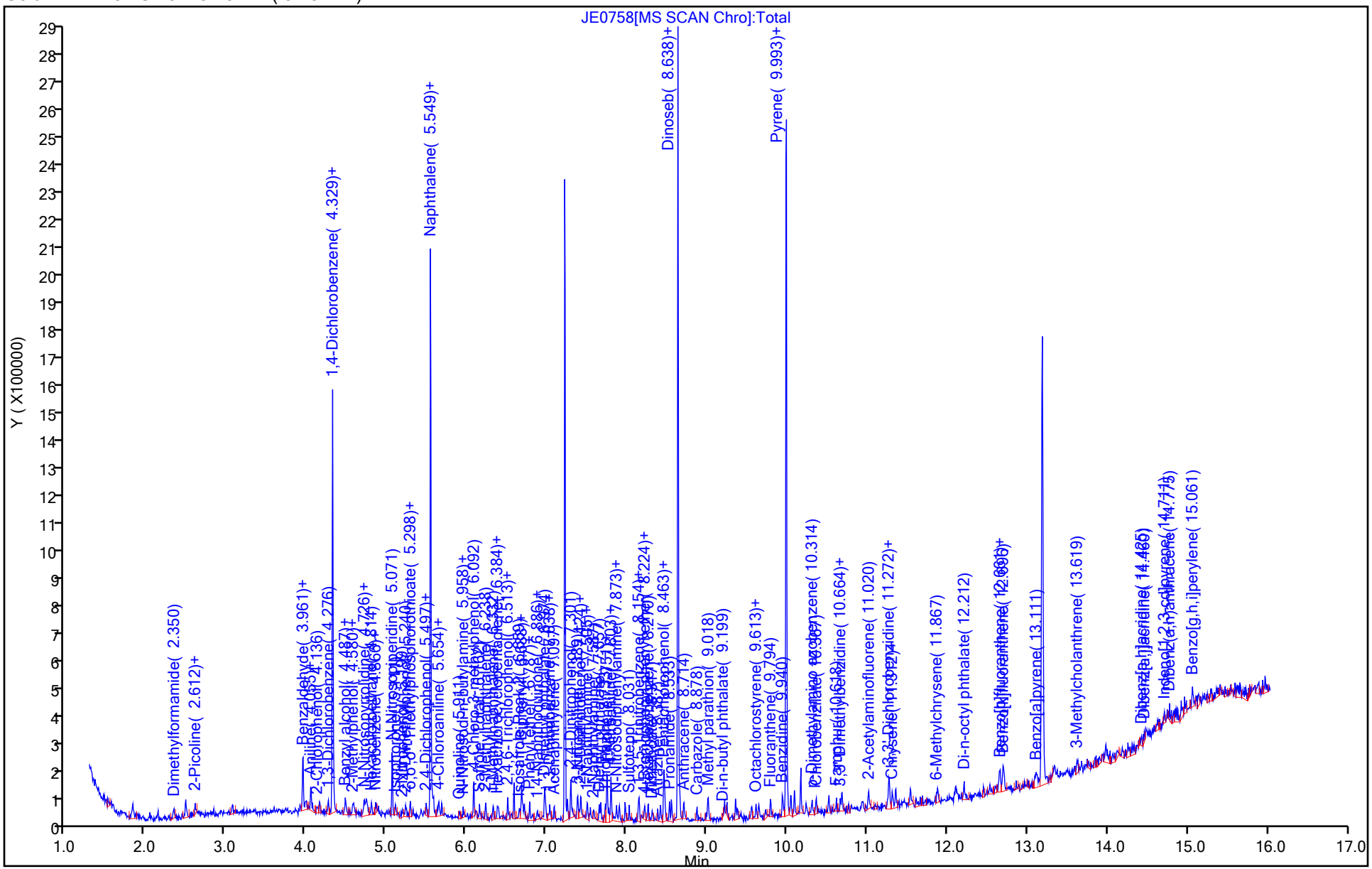
Report Date: 08-May-2025 09:32:55 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D

Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L1			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

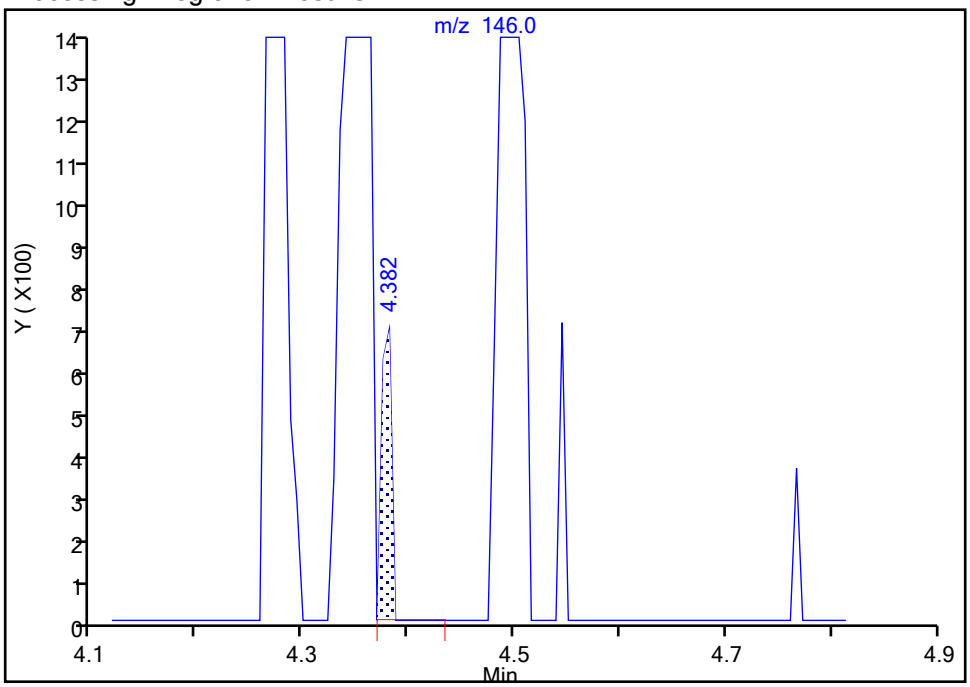
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

27 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

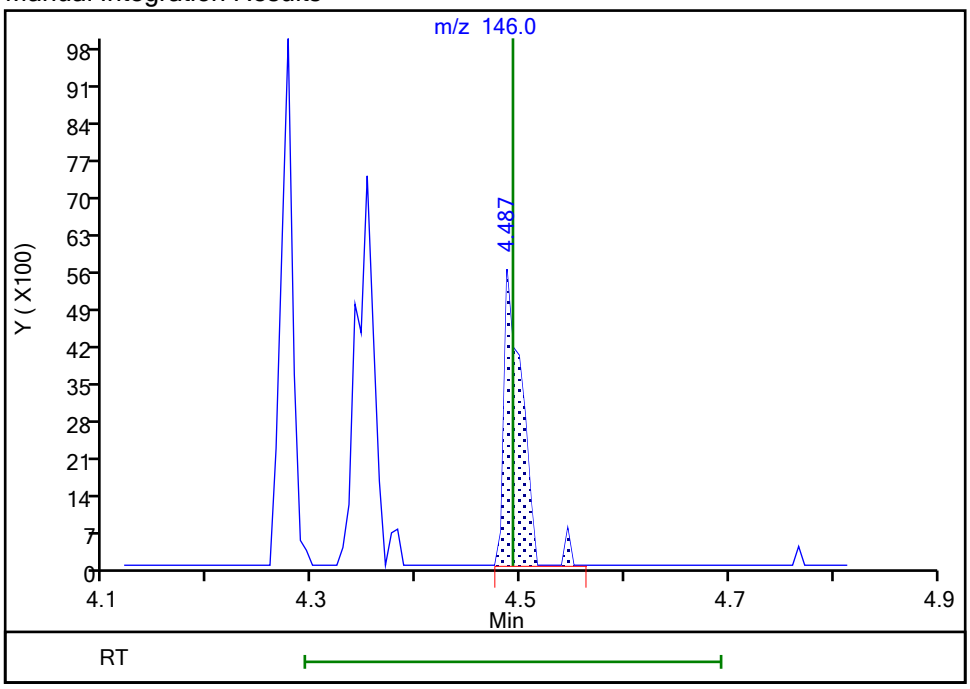
Processing Integration Results

RT: 4.38
Area: 454
Amount: 0.105585
Amount Units: ug/ml



Manual Integration Results

RT: 4.49
Area: 6693
Amount: 0.135197
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:16:51 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

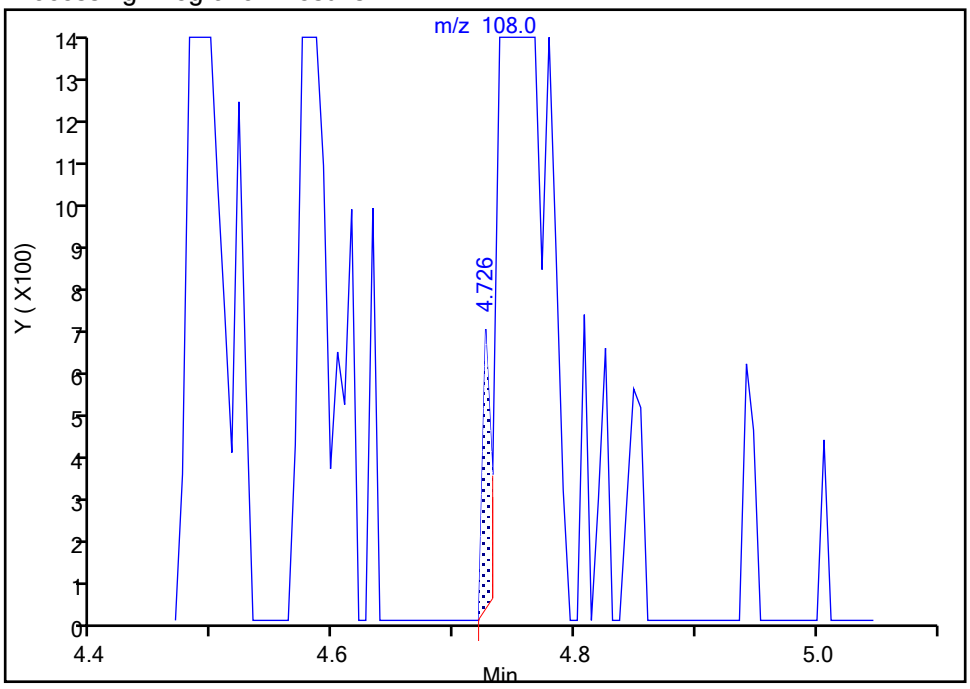
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

34 4-Methylphenol, CAS: 106-44-5

Signal: 1

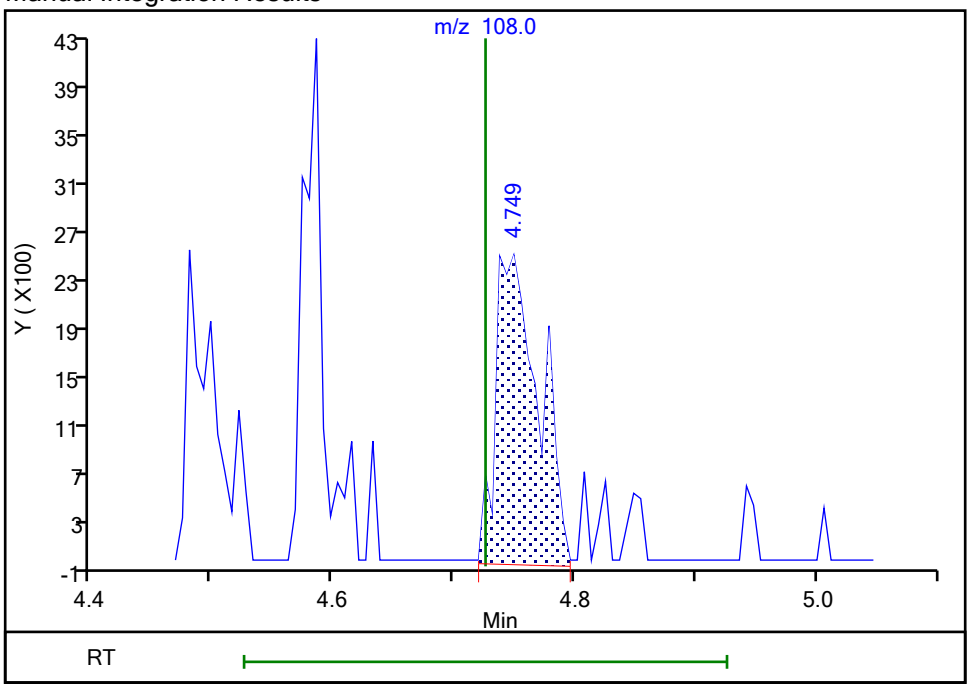
Processing Integration Results

RT: 4.73
Area: 281
Amount: 0.113570
Amount Units: ug/ml



Manual Integration Results

RT: 4.75
Area: 6255
Amount: 0.110716
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:14:54 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

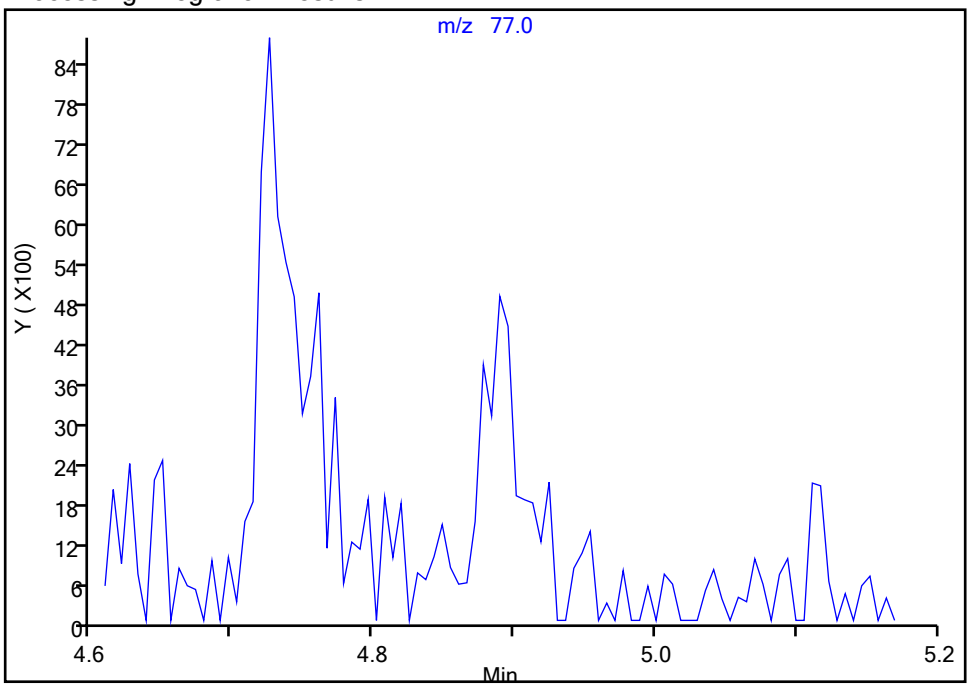
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Nitrobenzene, CAS: 98-95-3

Signal: 1

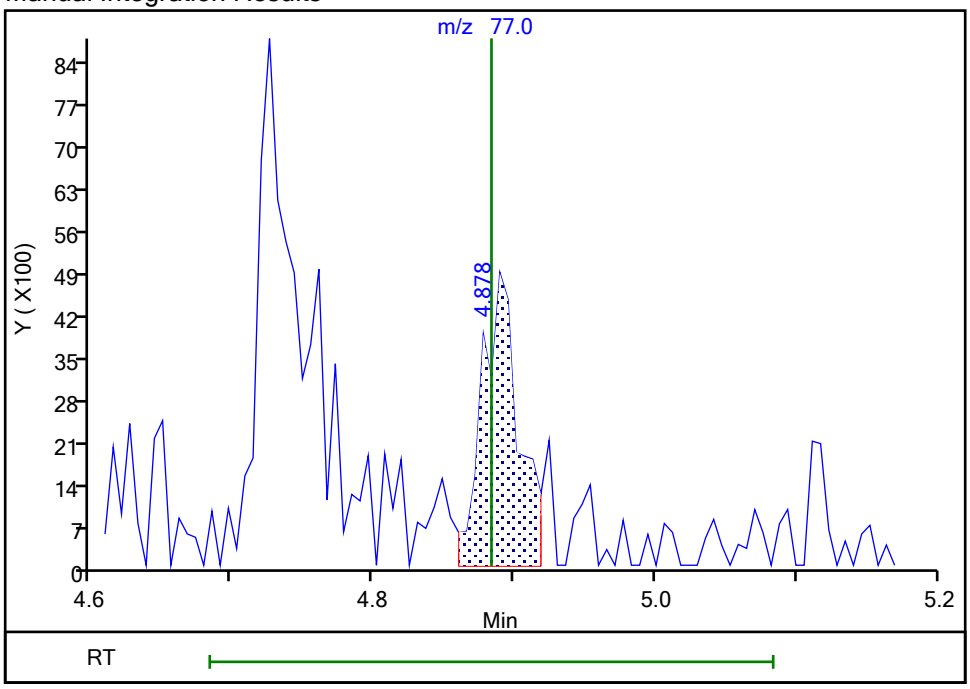
Not Detected
Expected RT: 4.88

Processing Integration Results



Manual Integration Results

RT: 4.88
Area: 8640
Amount: 0.102095
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:01:51 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

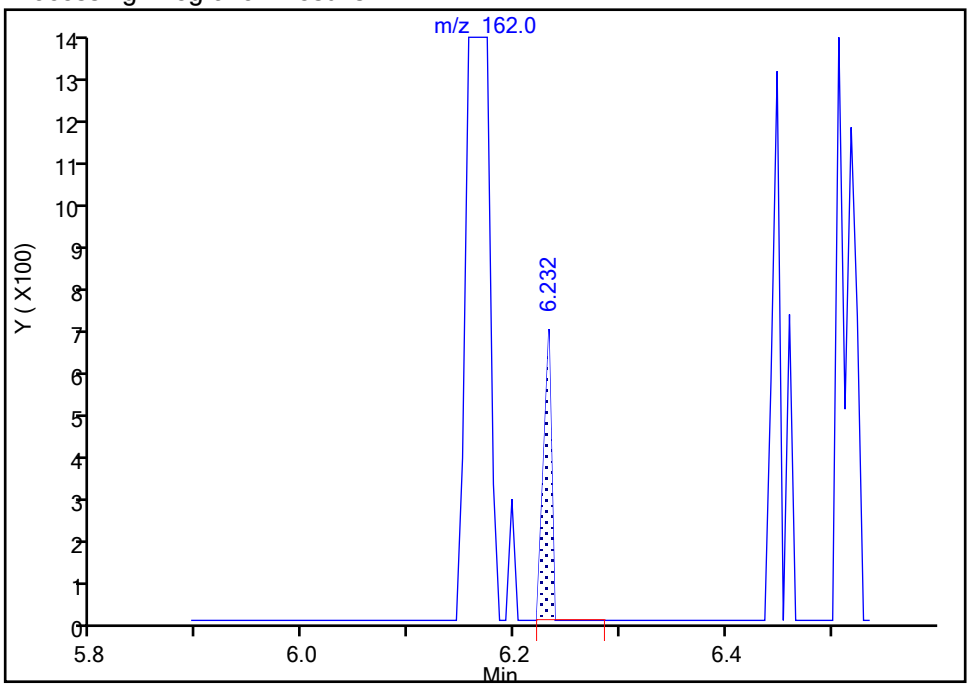
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

66 Safrole, Total, CAS: 94-59-7

Signal: 1

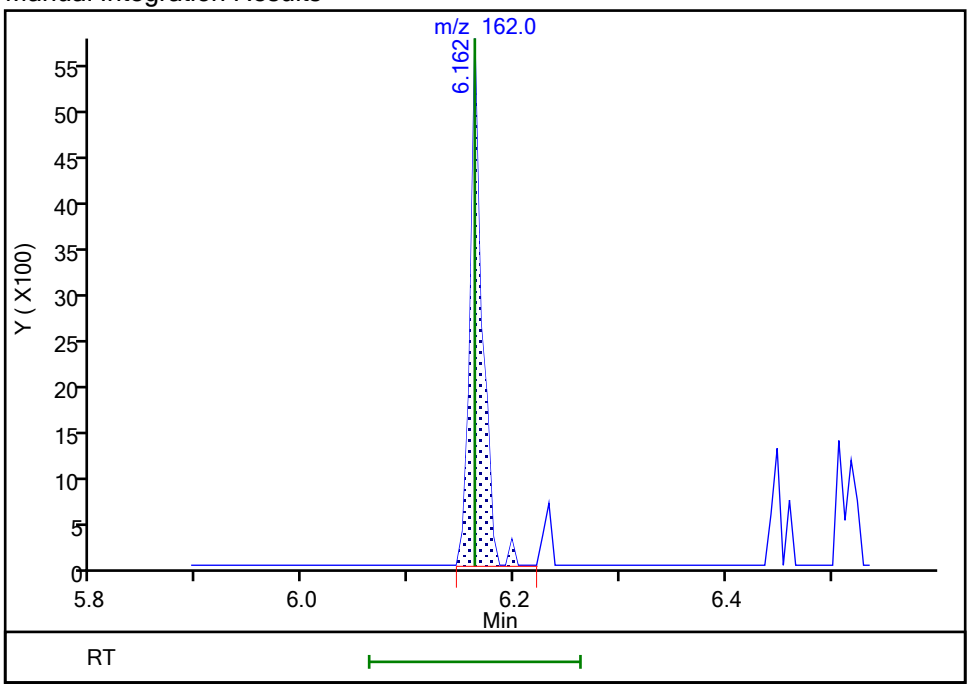
Processing Integration Results

RT: 6.23
Area: 353
Amount: 0.010383
Amount Units: ug/ml



Manual Integration Results

RT: 6.16
Area: 4597
Amount: 0.120209
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:02:09 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

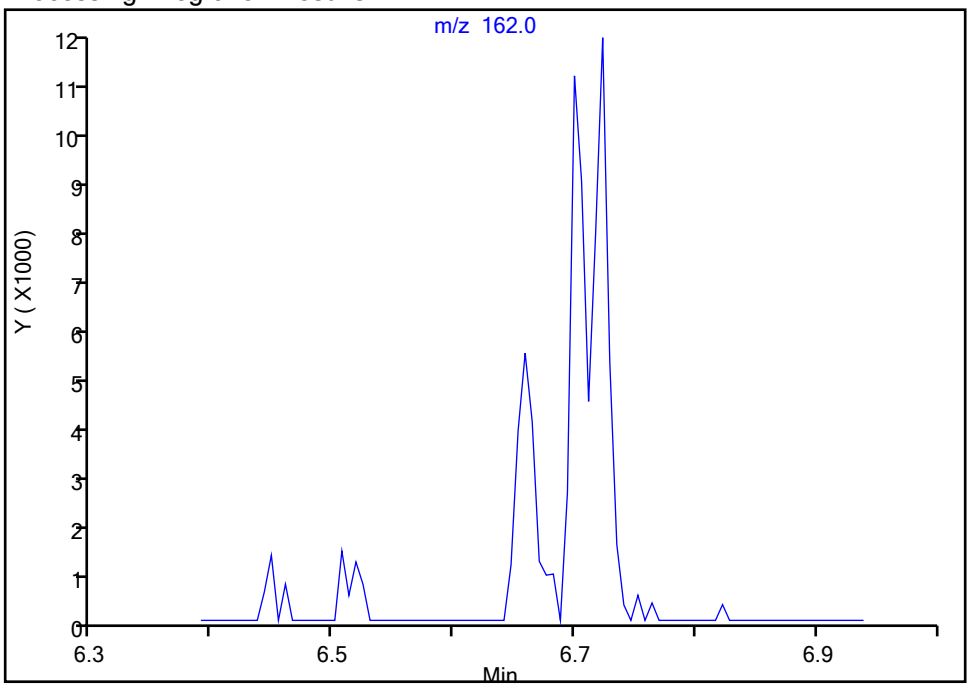
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

82 Isosafrole Peak 2, CAS: STL03316

Signal: 1

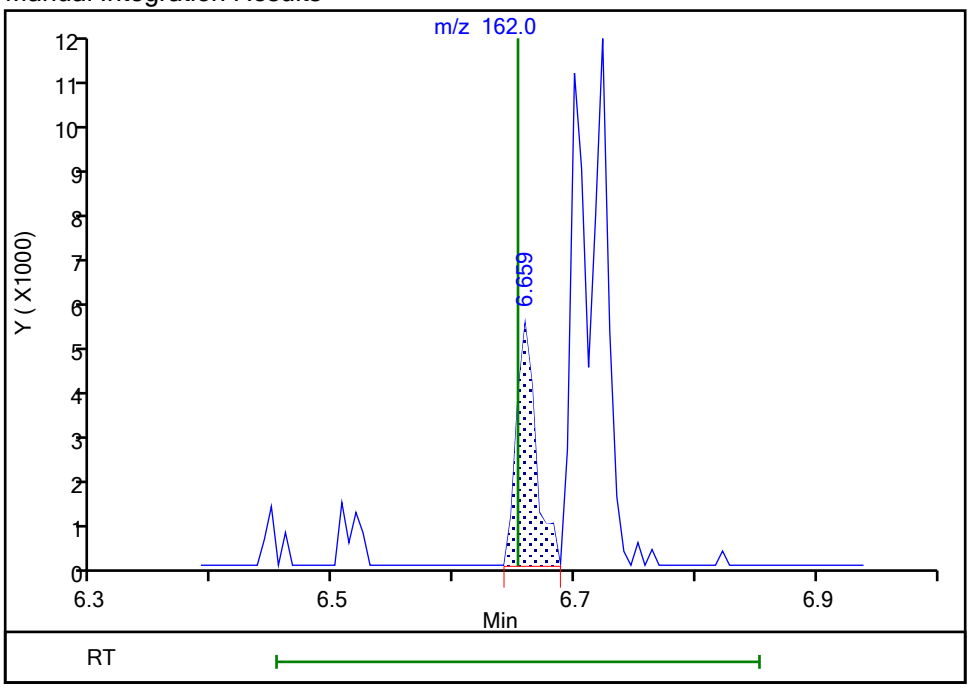
Not Detected
Expected RT: 6.65

Processing Integration Results



Manual Integration Results

RT: 6.66
Area: 5952
Amount: 0.136973
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:02:15 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

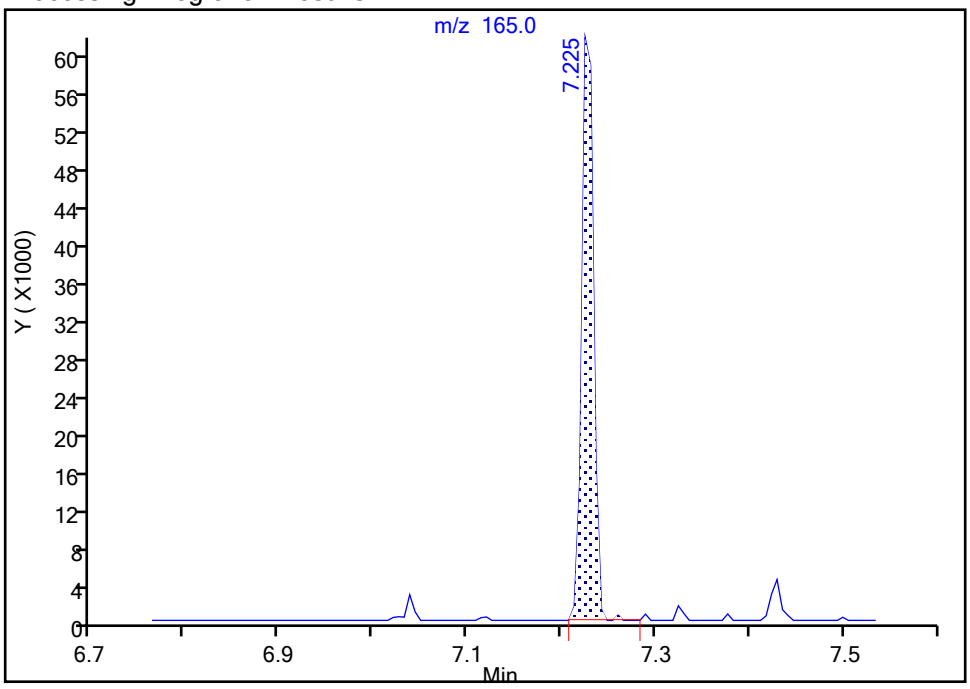
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

92 2,6-Dinitrotoluene, CAS: 606-20-2

Signal: 1

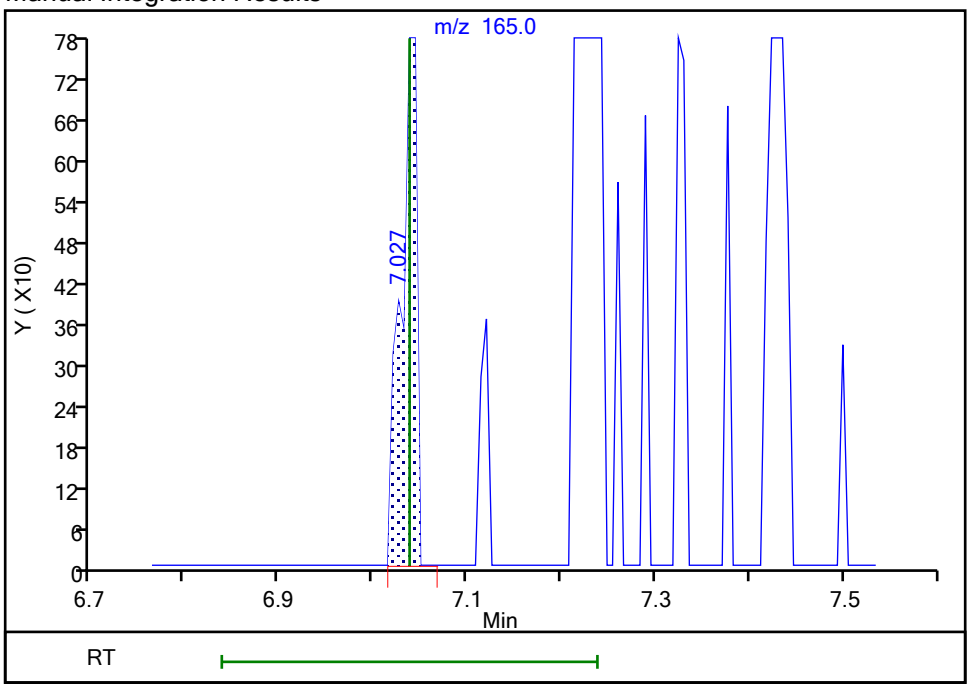
Processing Integration Results

RT: 7.23
Area: 54107
Amount: 0.730229
Amount Units: ug/ml



Manual Integration Results

RT: 7.03
Area: 1627
Amount: 0.071221
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:23:59 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

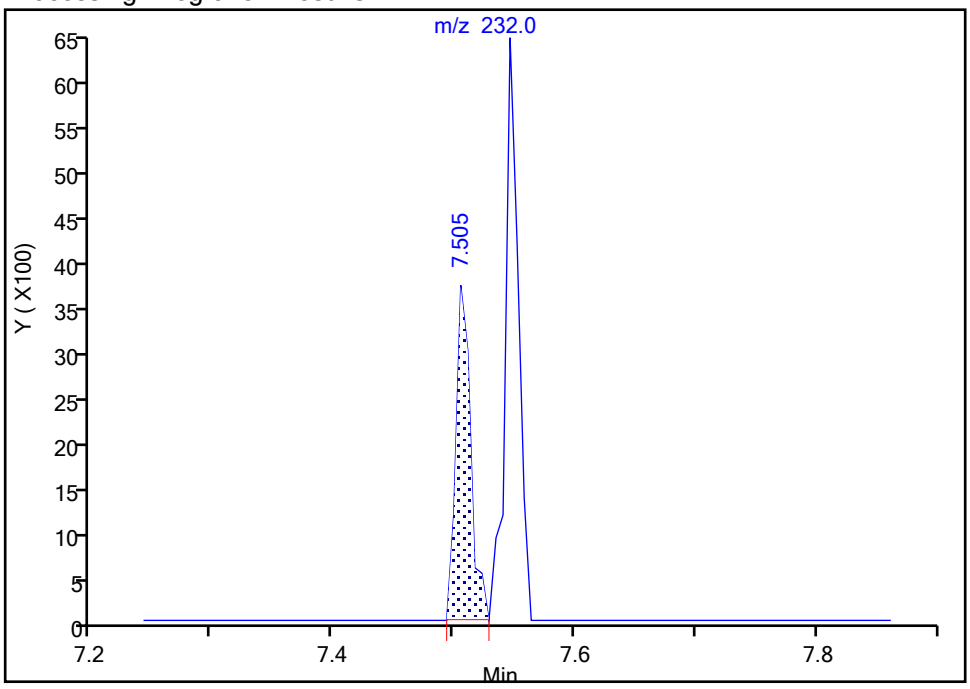
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D
Injection Date: 08-May-2025 02:18:30 Instrument ID: HP23264
Lims ID: IC L1
Client ID:
Operator ID: IR93211 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

105 2,3,4,6-Tetrachlorophenol, CAS: 58-90-2

Signal: 1

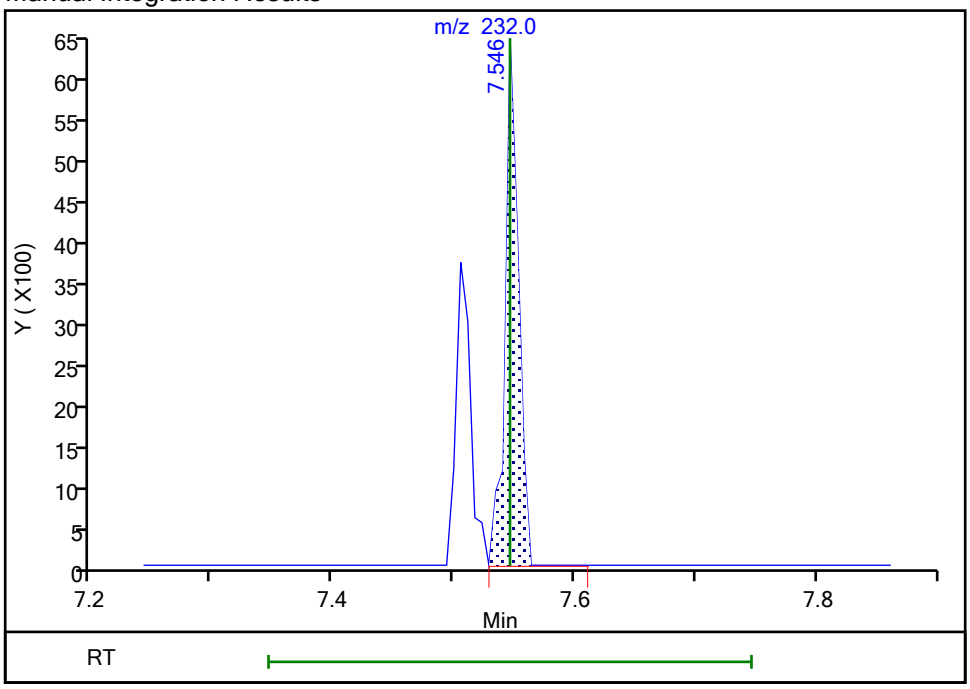
Processing Integration Results

RT: 7.51
Area: 3154
Amount: 0.109387
Amount Units: ug/ml



Manual Integration Results

RT: 7.55
Area: 4938
Amount: 0.161281
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:02:27 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

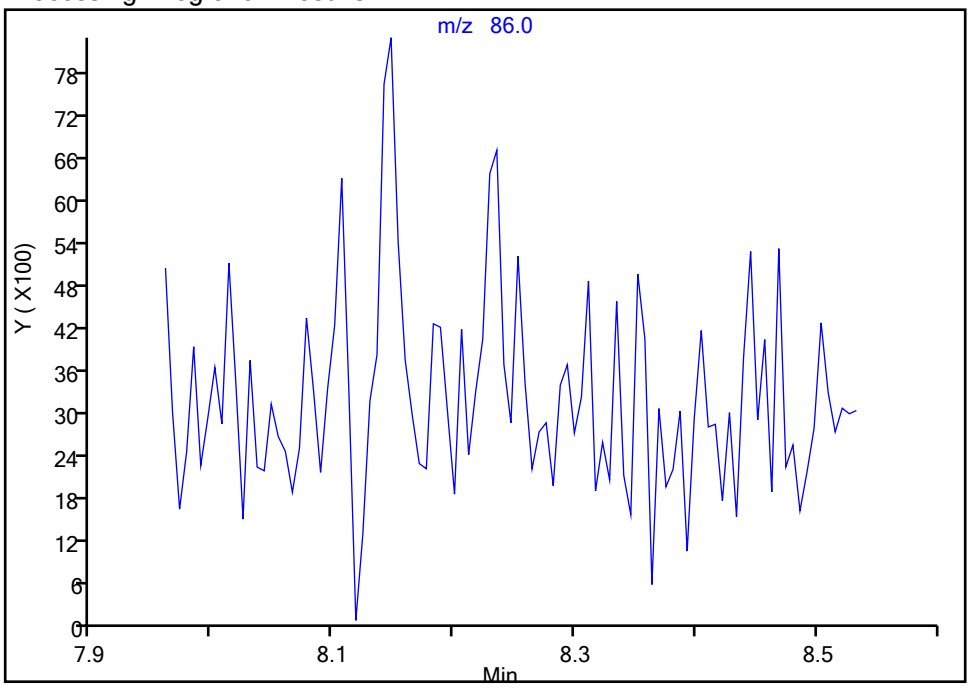
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

123 trans-Diallate, CAS: 17708-58-6

Signal: 1

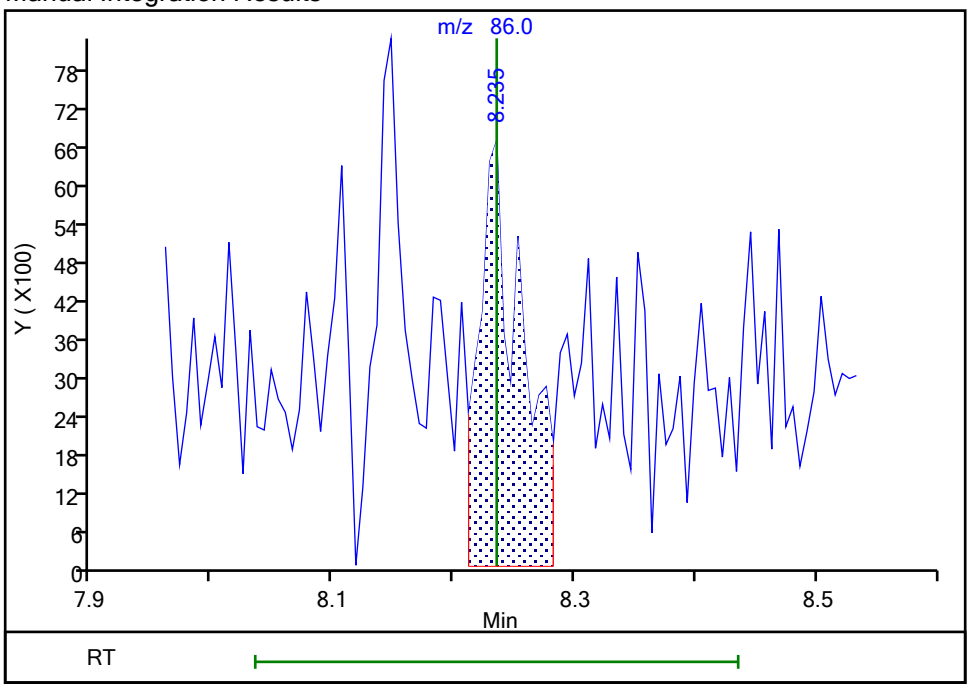
Not Detected
Expected RT: 8.24

Processing Integration Results



Manual Integration Results

RT: 8.24
Area: 15641
Amount: 0.235985
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:20:52 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

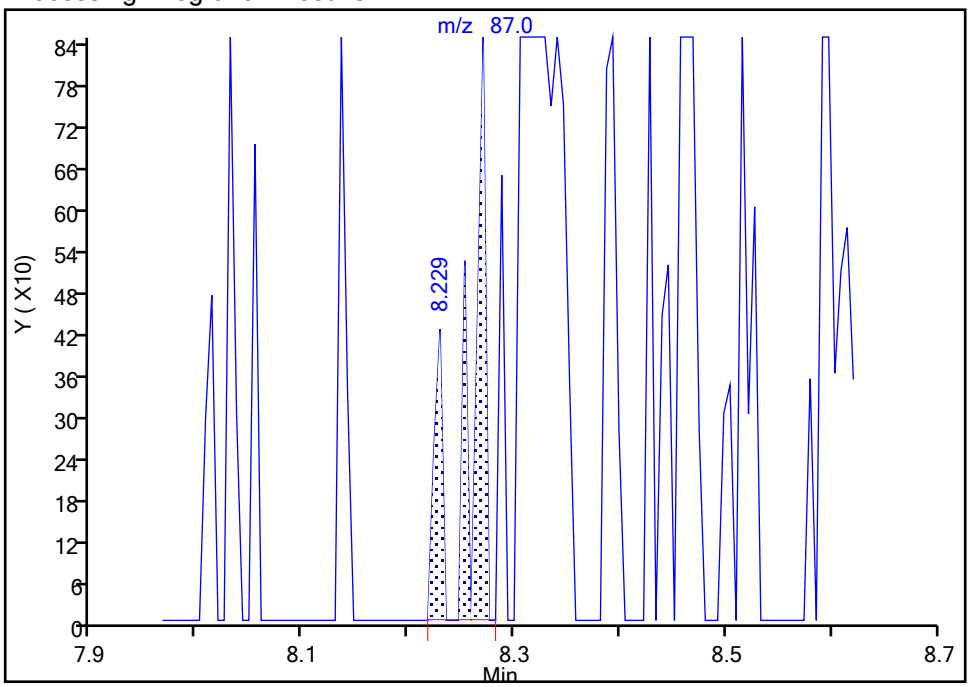
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D
Injection Date: 08-May-2025 02:18:30 Instrument ID: HP23264
Lims ID: IC L1
Client ID:
Operator ID: IR93211 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

125 Dimethoate, CAS: 60-51-5

Signal: 1

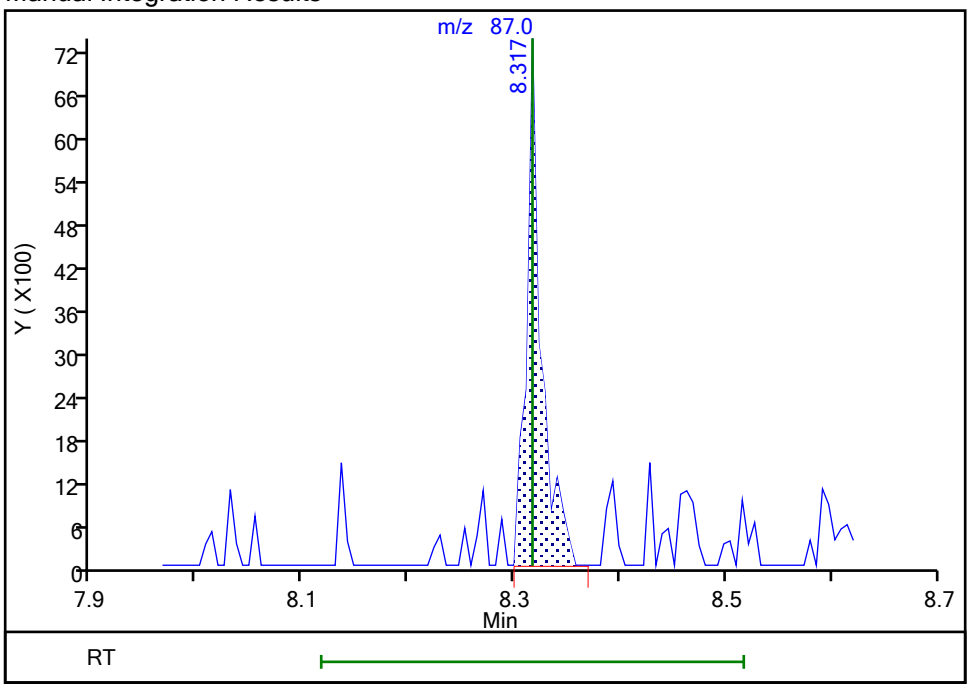
Processing Integration Results

RT: 8.23
Area: 930
Amount: 0.016813
Amount Units: ug/ml



Manual Integration Results

RT: 8.32
Area: 7099
Amount: 0.115465
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:02:42 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

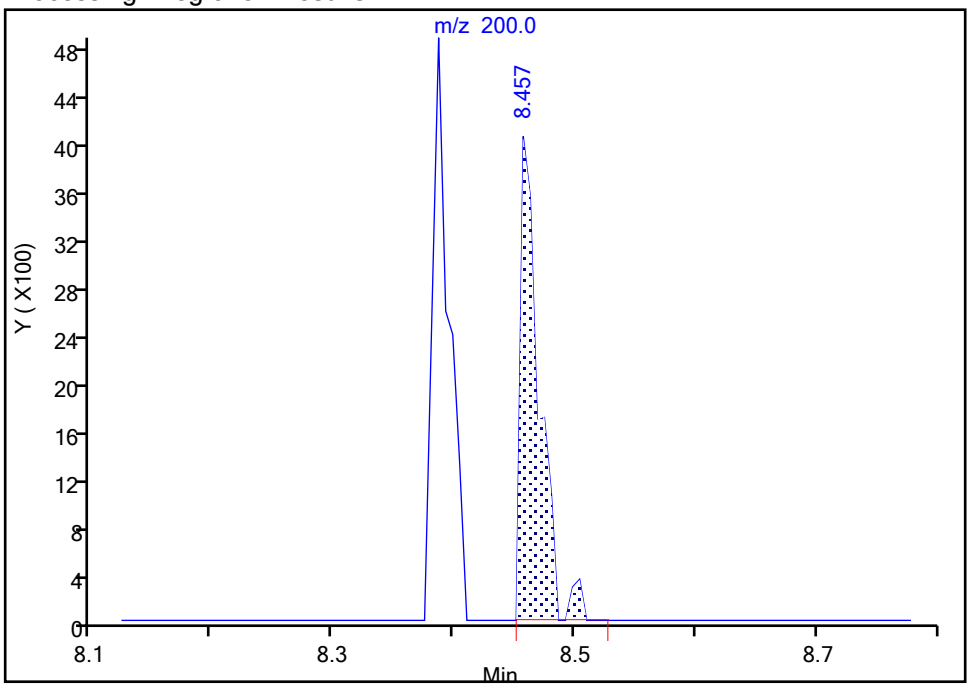
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

126 Atrazine, CAS: 1912-24-9

Signal: 1

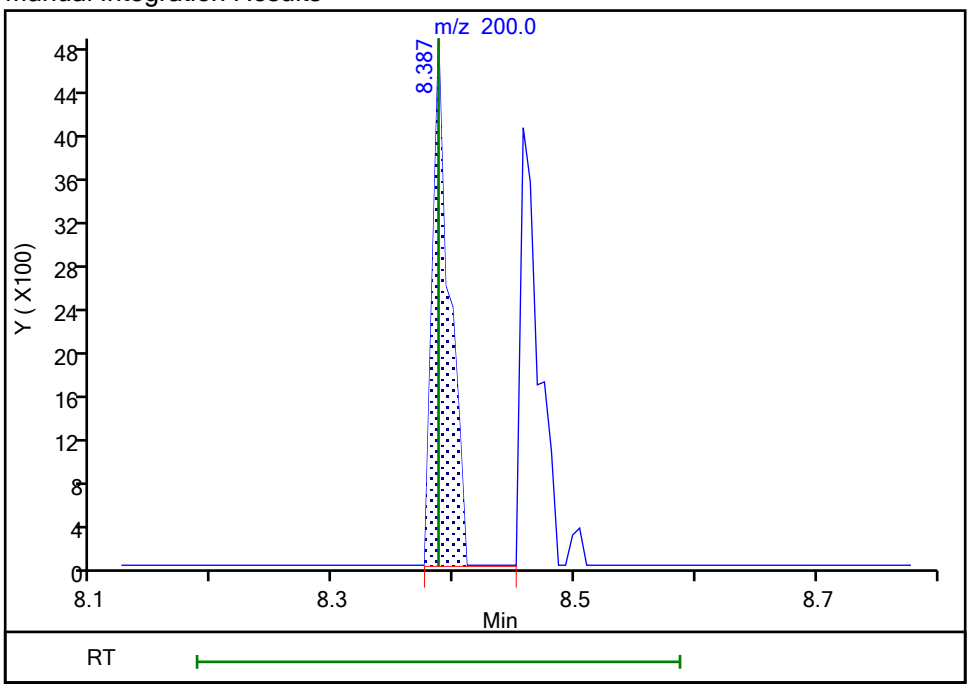
Processing Integration Results

RT: 8.46
Area: 4427
Amount: 0.125760
Amount Units: ug/ml



Manual Integration Results

RT: 8.39
Area: 4763
Amount: 0.134026
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:02:44 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

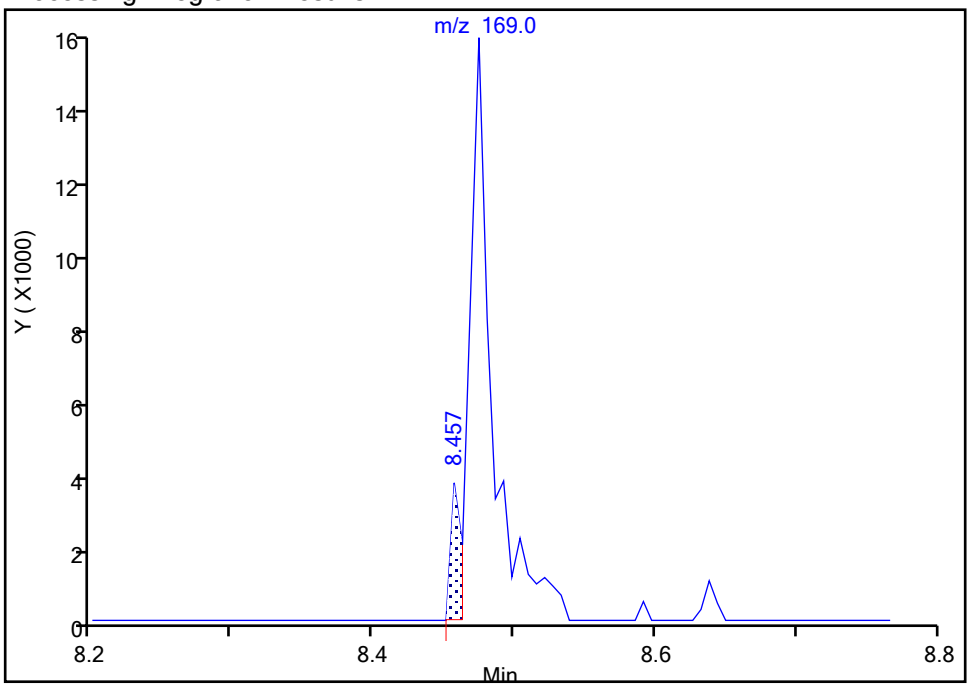
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

129 4-Aminobiphenyl, CAS: 92-67-1

Signal: 1

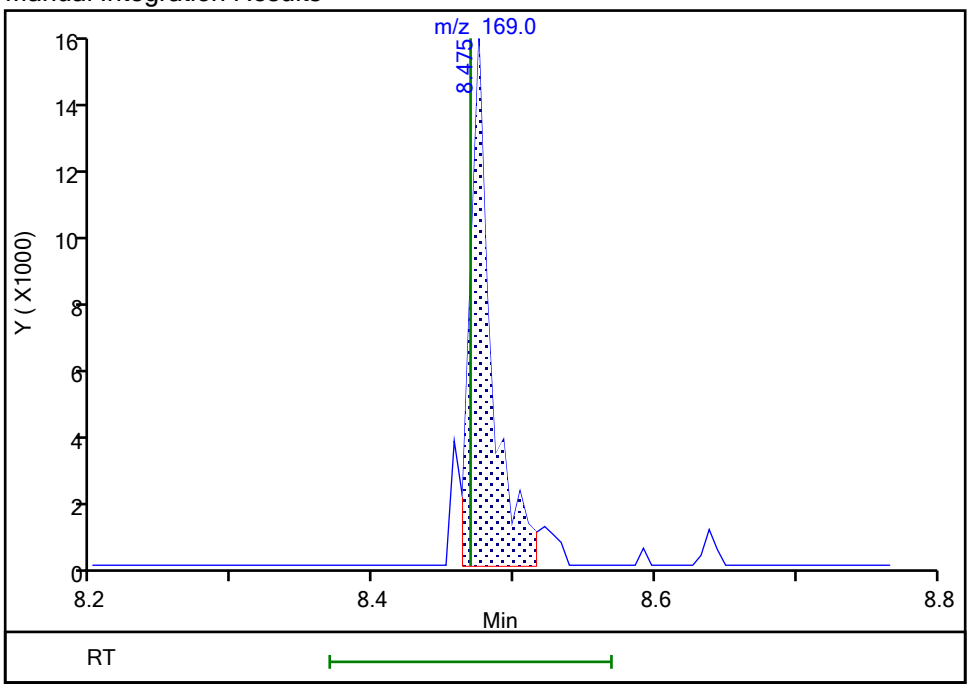
Processing Integration Results

RT: 8.46
Area: 1650
Amount: 0.014463
Amount Units: ug/ml



Manual Integration Results

RT: 8.47
Area: 16003
Amount: 0.124595
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:02:50 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

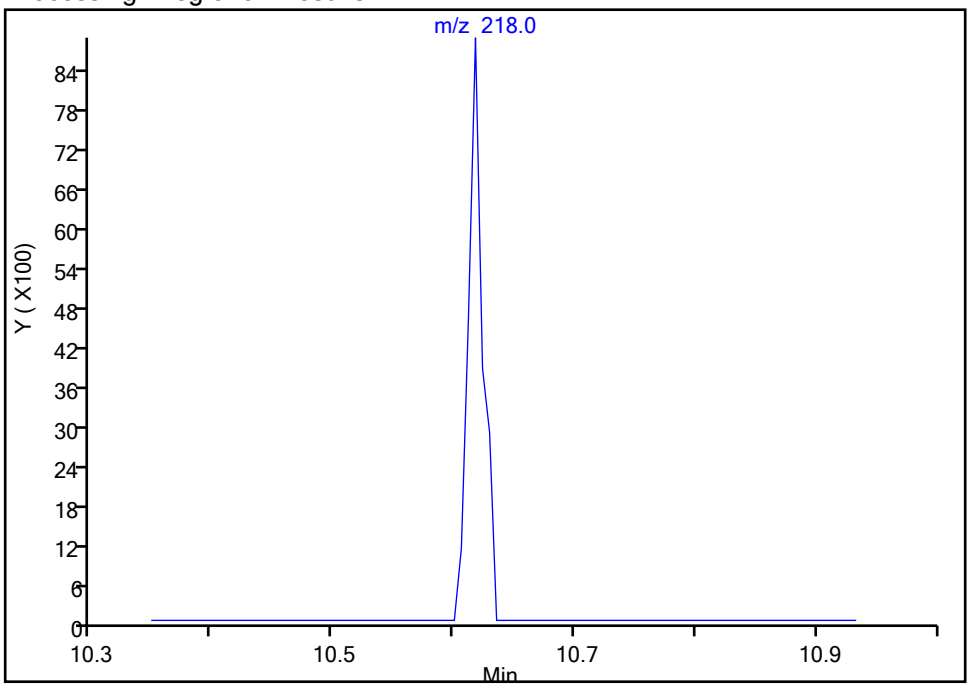
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Famphur, CAS: 52-85-7

Signal: 1

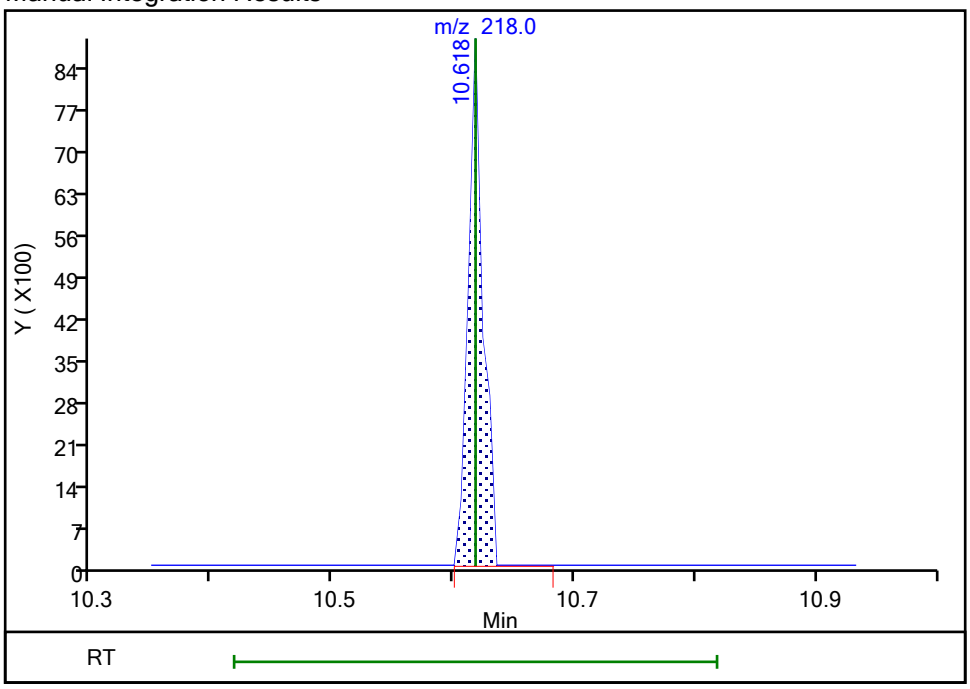
Not Detected
Expected RT: 10.62

Processing Integration Results



Manual Integration Results

RT: 10.62
Area: 7428
Amount: 0.113315
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:02:59 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

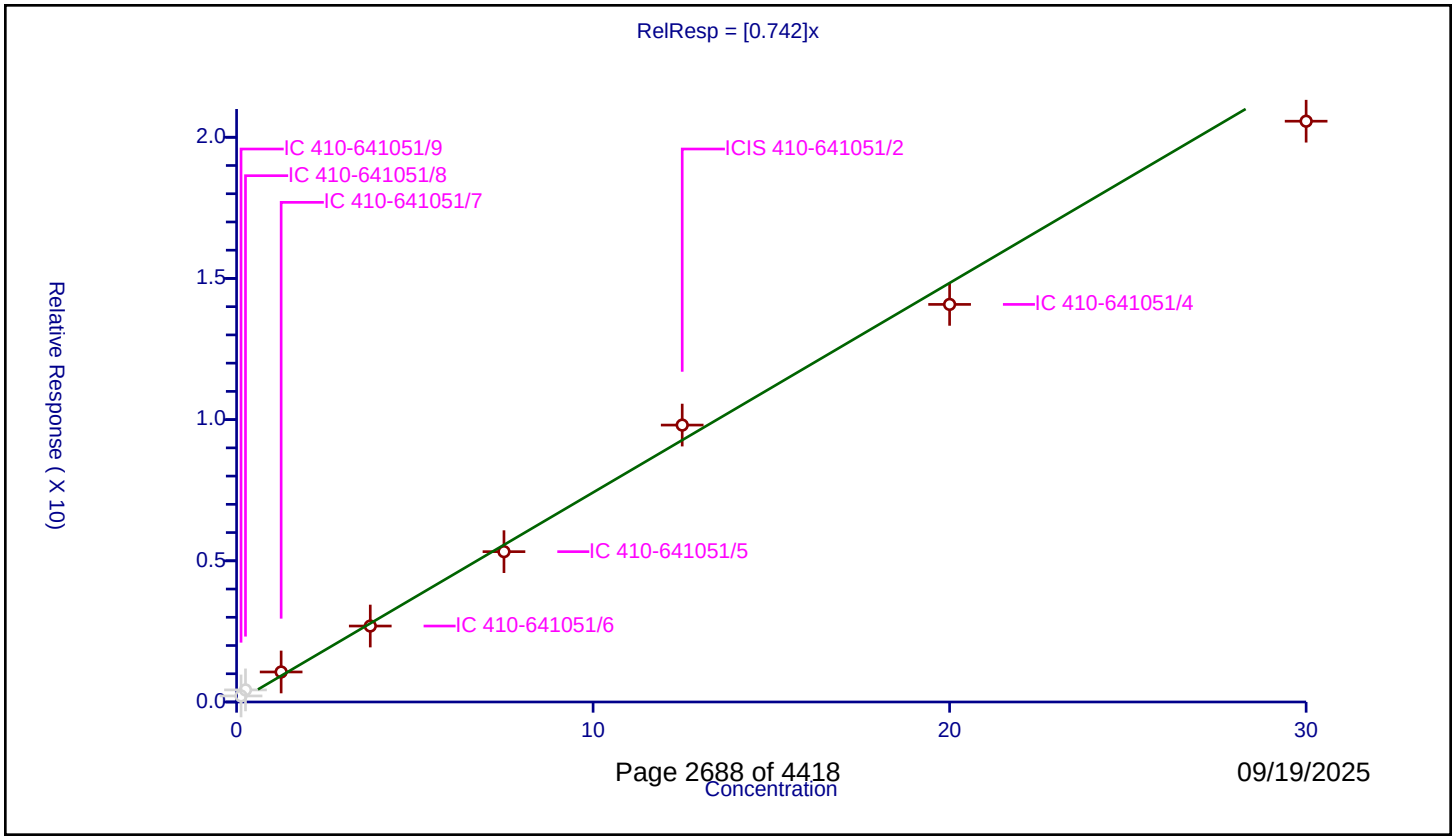
Curve Coefficients

Intercept:	0
Slope:	0.742

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.213802	5.0	168754.0	1.710419	N
2	IC 410-641051/8	0.25	0.428056	5.0	180841.0	1.712222	N
3	IC 410-641051/7	1.25	1.062862	5.0	180842.0	0.850289	Y
4	IC 410-641051/6	3.75	2.690241	5.0	195081.0	0.717398	Y
5	IC 410-641051/5	7.5	5.323909	5.0	183956.0	0.709855	Y
6	ICIS 410-641051/2	12.5	9.806829	5.0	206113.0	0.784546	Y
7	IC 410-641051/4	20.0	14.080538	5.0	196082.0	0.704027	Y
8	IC 410-641051/3	30.0	20.568298	5.0	180187.0	0.68561	Y



09/19/2025

Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

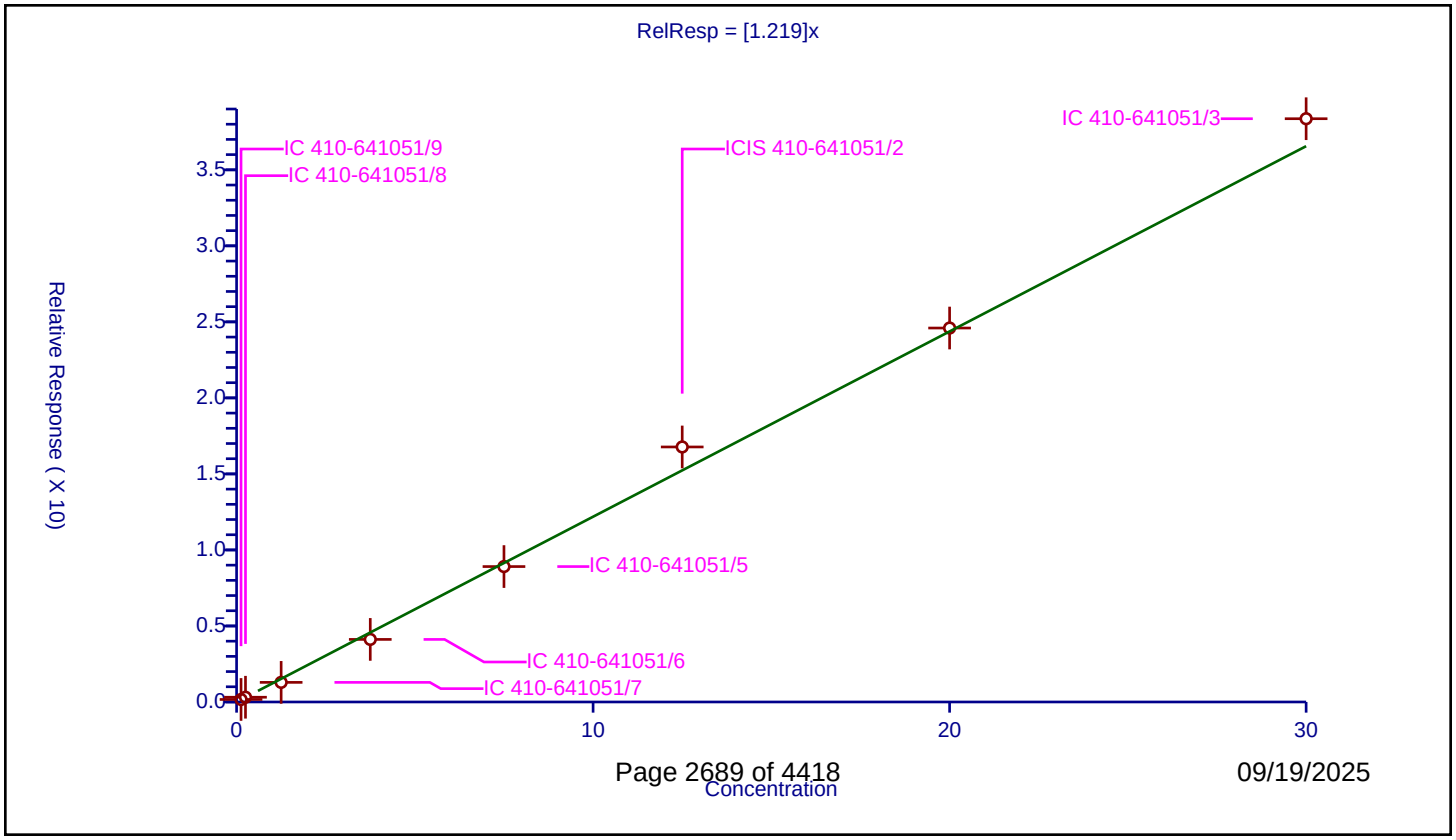
Curve Coefficients

Intercept:	0
Slope:	1.219

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.166278	5.0	168754.0	1.33022	Y
2	IC 410-641051/8	0.25	0.312623	5.0	180841.0	1.250491	Y
3	IC 410-641051/7	1.25	1.290463	5.0	180842.0	1.032371	Y
4	IC 410-641051/6	3.75	4.114675	5.0	195081.0	1.097247	Y
5	IC 410-641051/5	7.5	8.906505	5.0	183956.0	1.187534	Y
6	ICIS 410-641051/2	12.5	16.772959	5.0	206113.0	1.341837	Y
7	IC 410-641051/4	20.0	24.595526	5.0	196082.0	1.229776	Y
8	IC 410-641051/3	30.0	38.362423	5.0	180187.0	1.278747	Y



09/19/2025

Calibration / Pyridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

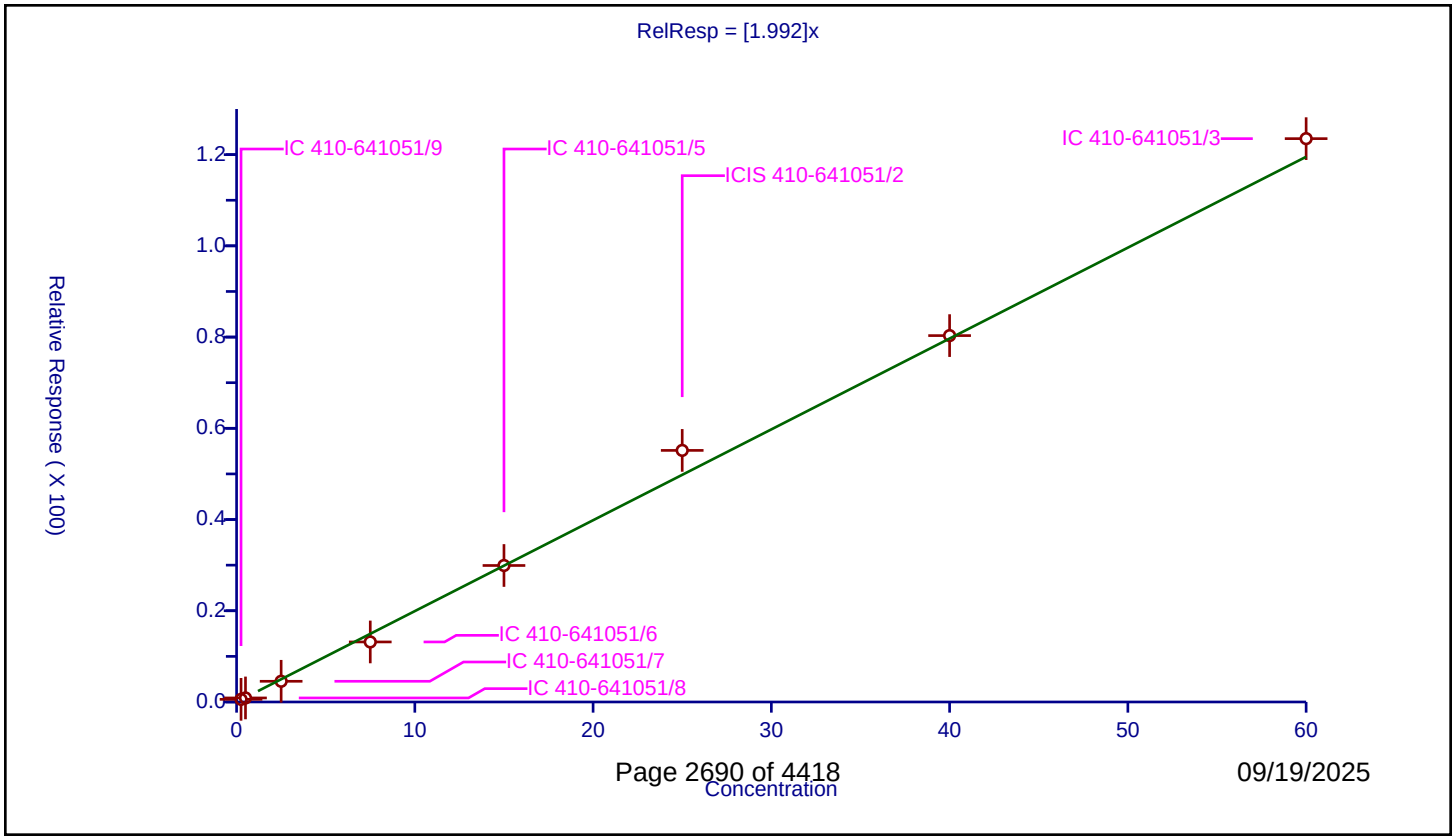
Curve Coefficients

Intercept:	0
Slope:	1.992

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.25	0.58206	5.0	168754.0	2.328241	Y
2	IC 410-641051/8	0.5	0.885059	5.0	180841.0	1.770119	Y
3	IC 410-641051/7	2.5	4.540262	5.0	180842.0	1.816105	Y
4	IC 410-641051/6	7.5	13.1612	5.0	195081.0	1.754827	Y
5	IC 410-641051/5	15.0	29.92115	5.0	183956.0	1.994743	Y
6	ICIS 410-641051/2	25.0	55.154042	5.0	206113.0	2.206162	Y
7	IC 410-641051/4	40.0	80.325425	5.0	196082.0	2.008136	Y
8	IC 410-641051/3	60.0	123.505331	5.0	180187.0	2.058422	Y



09/19/2025

Calibration / Dimethylformamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

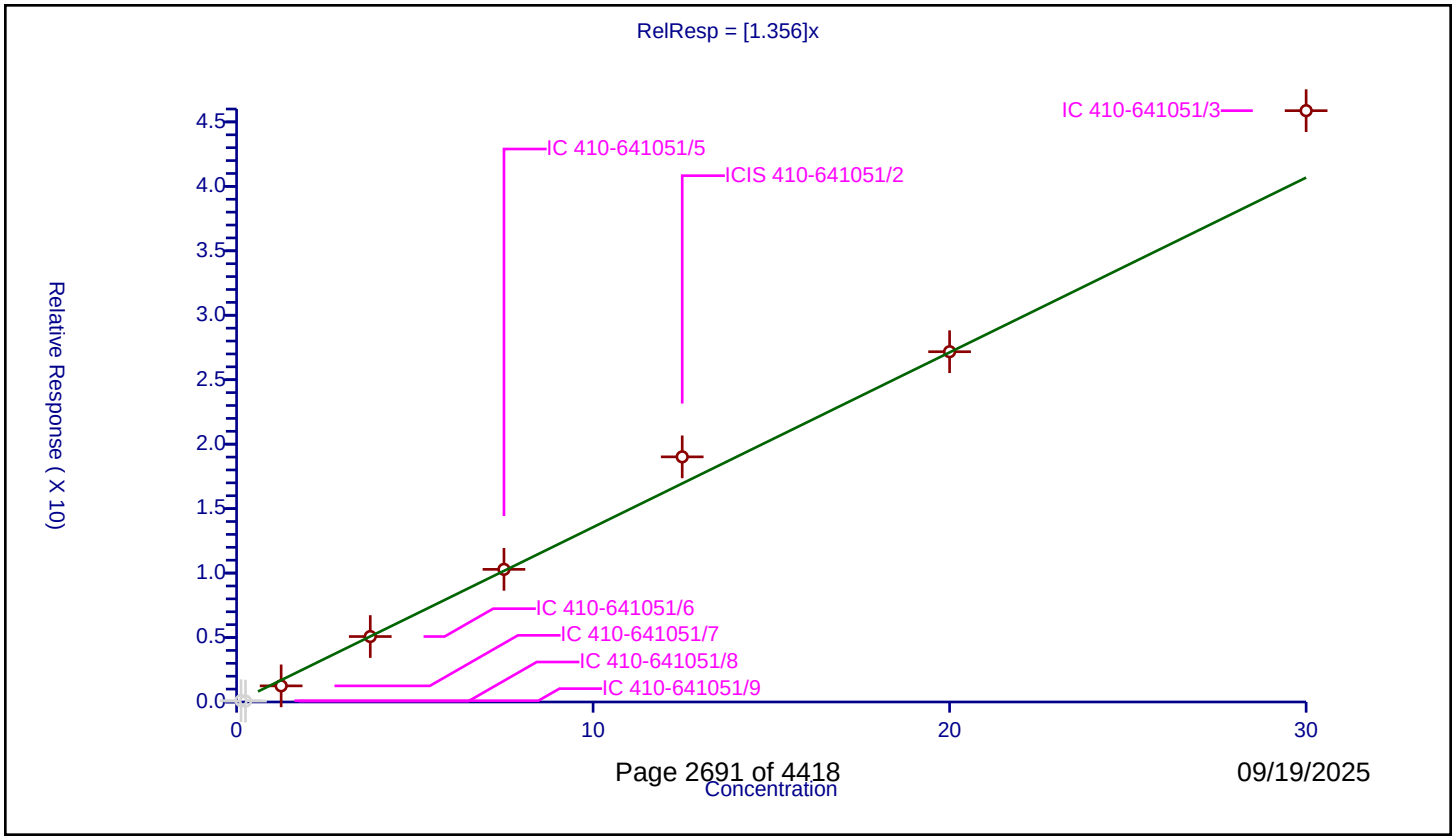
Curve Coefficients

Intercept:	0
Slope:	1.356

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.100768	5.0	168754.0	0.806144	N
2	IC 410-641051/8	0.25	0.067573	5.0	180841.0	0.270293	N
3	IC 410-641051/7	1.25	1.251341	5.0	180842.0	1.001073	Y
4	IC 410-641051/6	3.75	5.077916	5.0	195081.0	1.354111	Y
5	IC 410-641051/5	7.5	10.287759	5.0	183956.0	1.371701	Y
6	ICIS 410-641051/2	12.5	19.016898	5.0	206113.0	1.521352	Y
7	IC 410-641051/4	20.0	27.174039	5.0	196082.0	1.358702	Y
8	IC 410-641051/3	30.0	45.870762	5.0	180187.0	1.529025	Y



09/19/2025

Calibration / 2-Picoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

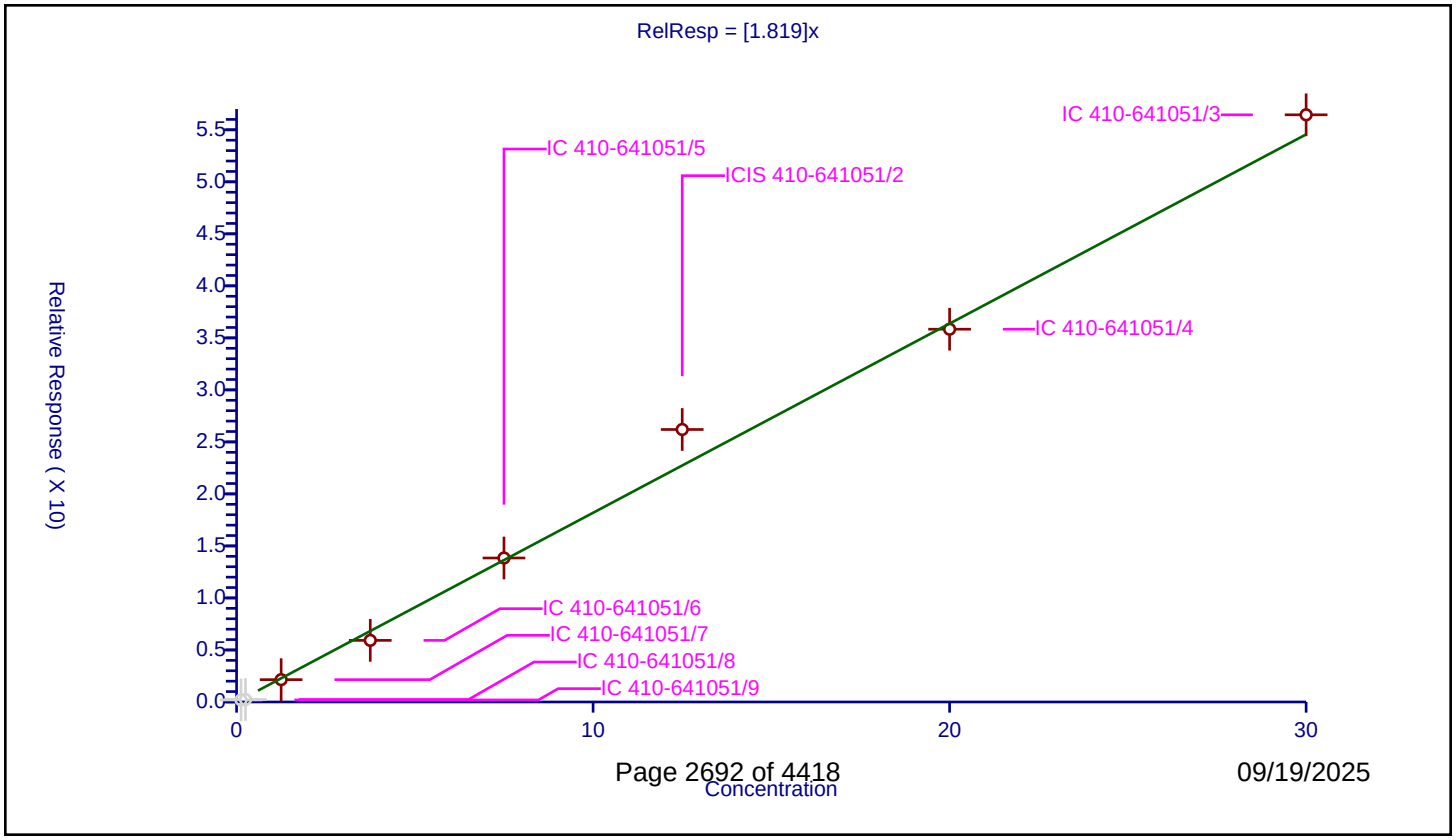
Curve Coefficients

Intercept:	0
Slope:	1.819

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.195403	5.0	168754.0	1.563222	N
2	IC 410-641051/8	0.25	0.236285	5.0	180841.0	0.94514	N
3	IC 410-641051/7	1.25	2.148008	5.0	180842.0	1.718406	Y
4	IC 410-641051/6	3.75	5.922027	5.0	195081.0	1.579207	Y
5	IC 410-641051/5	7.5	13.841924	5.0	183956.0	1.84559	Y
6	ICIS 410-641051/2	12.5	26.194782	5.0	206113.0	2.095583	Y
7	IC 410-641051/4	20.0	35.834804	5.0	196082.0	1.79174	Y
8	IC 410-641051/3	30.0	56.442474	5.0	180187.0	1.881416	Y



Calibration / N-Nitrosomethylethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

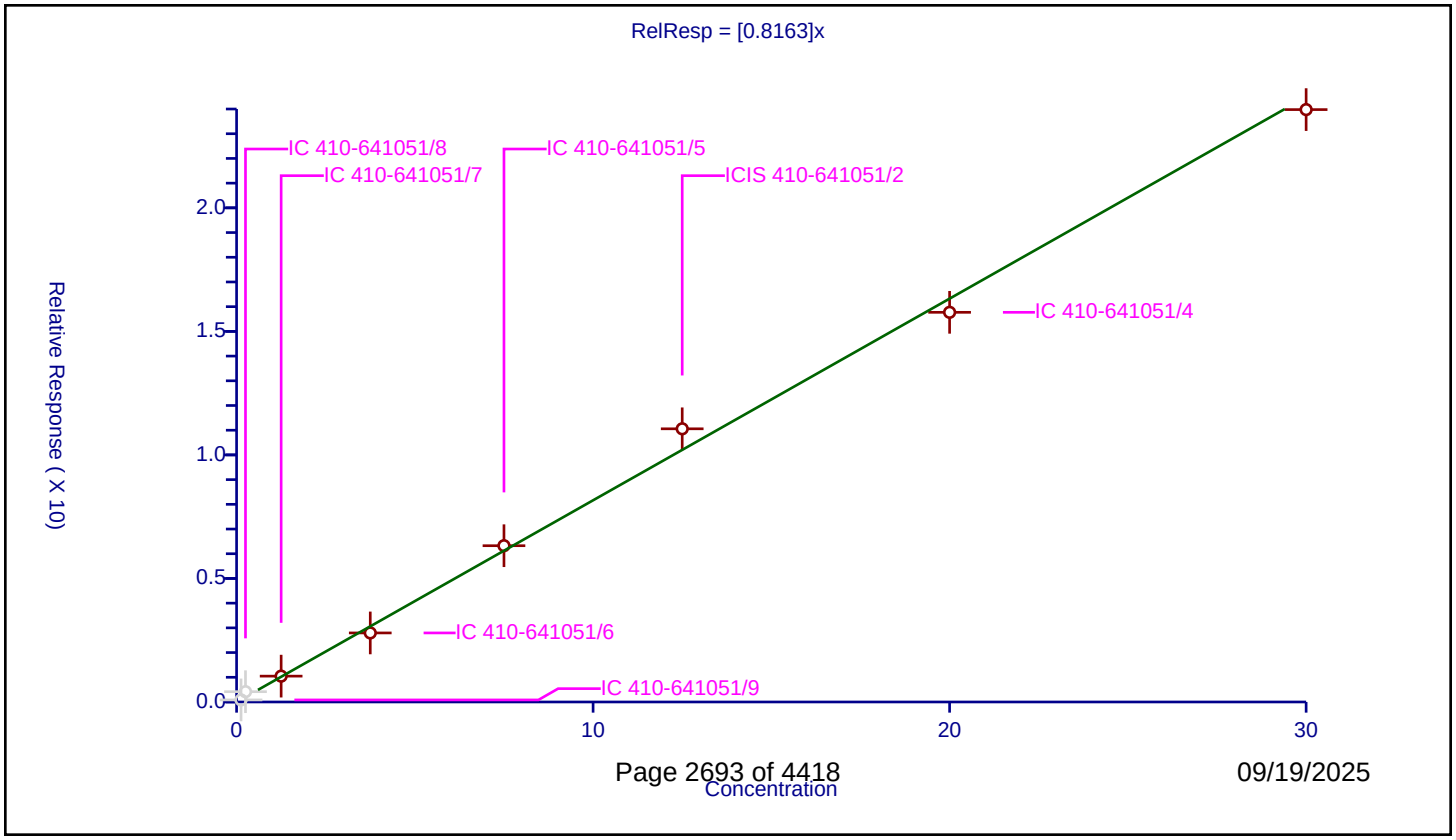
Curve Coefficients

Intercept:	0
Slope:	0.8163

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.083168	5.0	168754.0	0.665347	N
2	IC 410-641051/8	0.25	0.416913	5.0	180841.0	1.667653	N
3	IC 410-641051/7	1.25	1.045885	5.0	180842.0	0.836708	Y
4	IC 410-641051/6	3.75	2.794993	5.0	195081.0	0.745331	Y
5	IC 410-641051/5	7.5	6.325453	5.0	183956.0	0.843394	Y
6	ICIS 410-641051/2	12.5	11.056653	5.0	206113.0	0.884532	Y
7	IC 410-641051/4	20.0	15.771871	5.0	196082.0	0.788594	Y
8	IC 410-641051/3	30.0	23.975759	5.0	180187.0	0.799192	Y



Calibration / Methyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

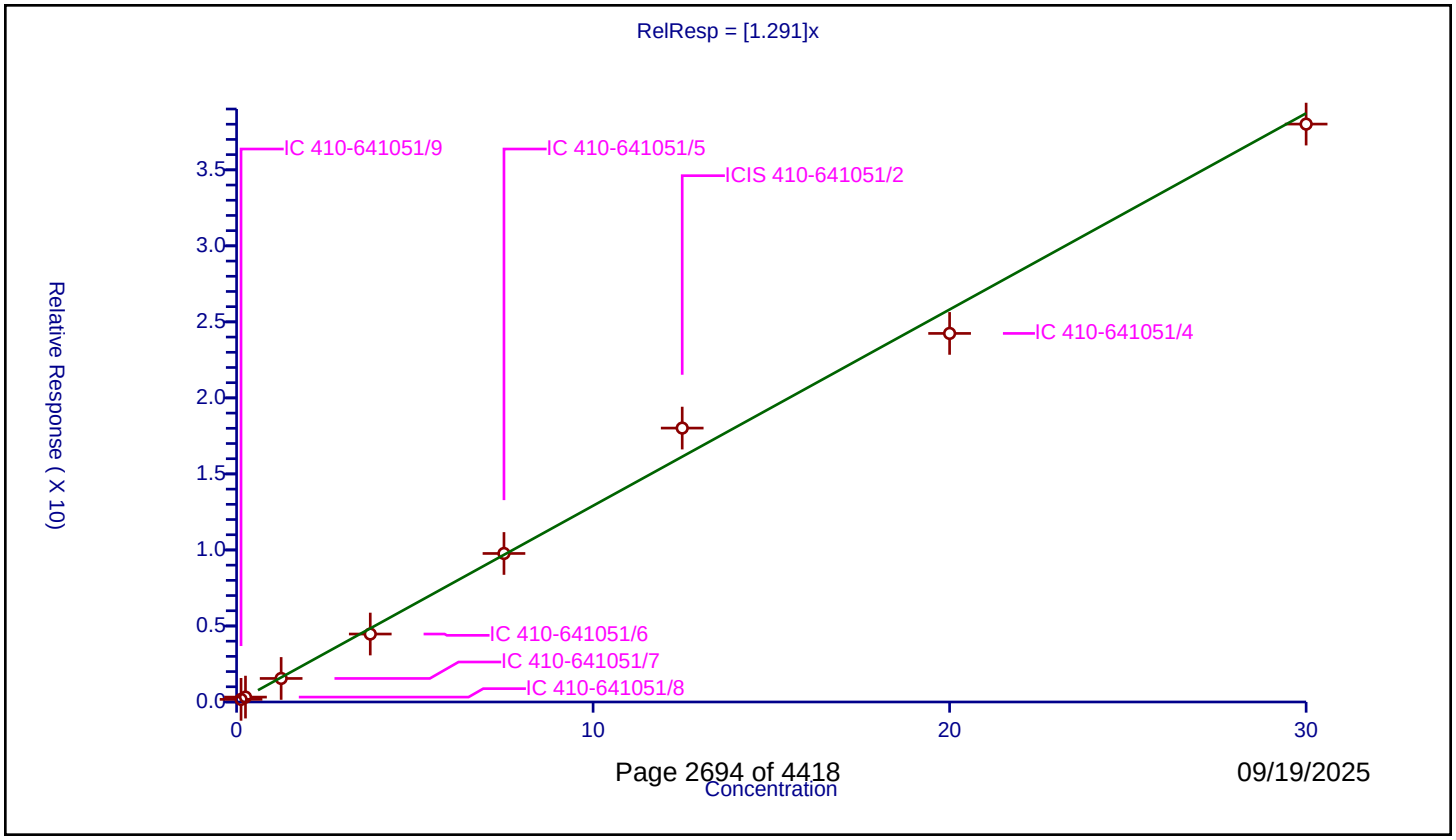
Curve Coefficients

Intercept:	0
Slope:	1.291

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.172855	5.0	168754.0	1.382841	Y
2	IC 410-641051/8	0.25	0.322327	5.0	180841.0	1.289309	Y
3	IC 410-641051/7	1.25	1.548175	5.0	180842.0	1.23854	Y
4	IC 410-641051/6	3.75	4.47022	5.0	195081.0	1.192059	Y
5	IC 410-641051/5	7.5	9.767689	5.0	183956.0	1.302359	Y
6	ICIS 410-641051/2	12.5	18.014827	5.0	206113.0	1.441186	Y
7	IC 410-641051/4	20.0	24.2407	5.0	196082.0	1.212035	Y
8	IC 410-641051/3	30.0	38.008319	5.0	180187.0	1.266944	Y



Calibration / 2-Fluorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

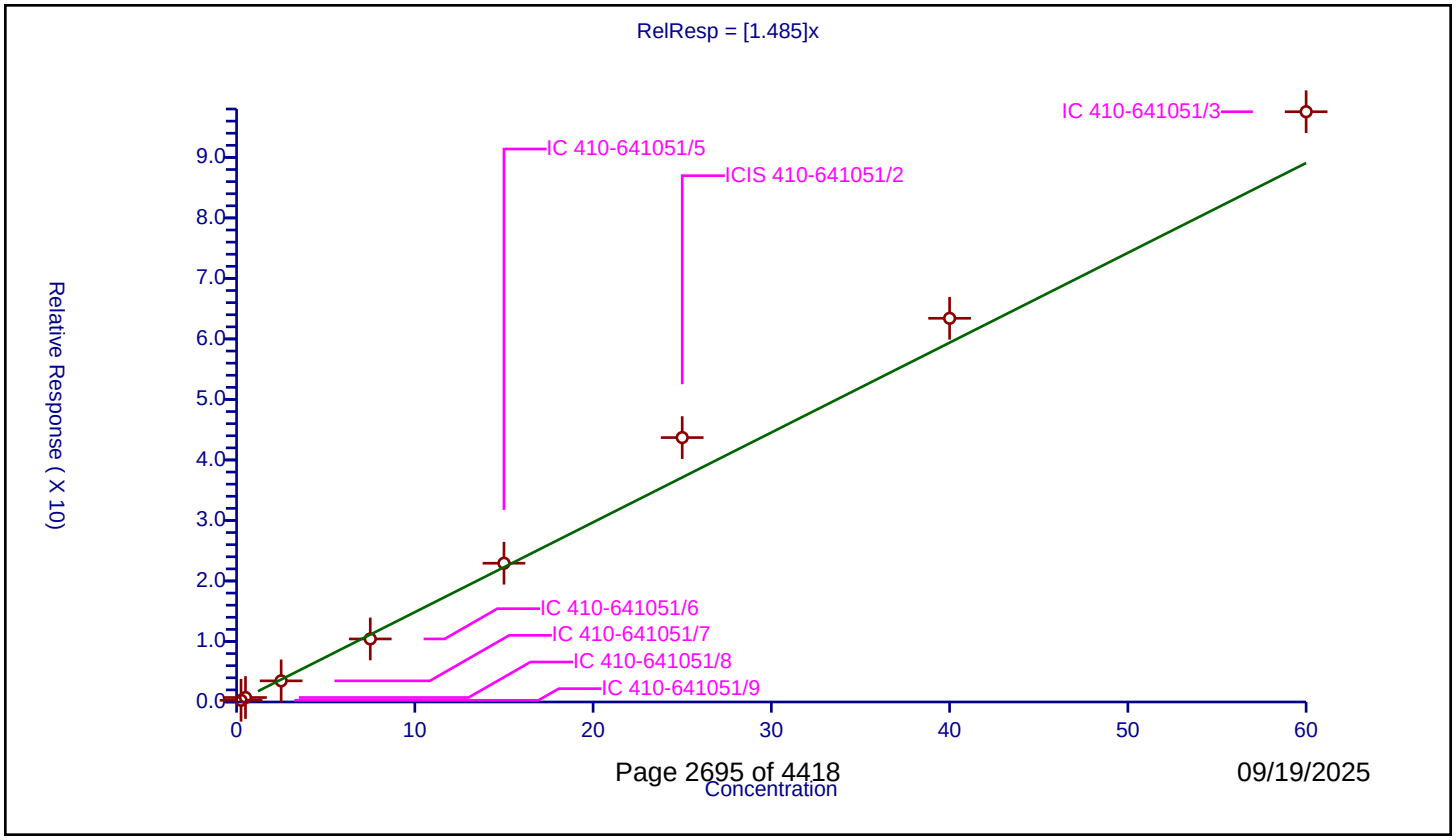
Curve Coefficients

Intercept:	0
Slope:	1.485

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.25	0.281119	5.0	168754.0	1.124477	Y
2	IC 410-641051/8	0.5	0.738411	5.0	180841.0	1.476822	Y
3	IC 410-641051/7	2.5	3.49457	5.0	180842.0	1.397828	Y
4	IC 410-641051/6	7.5	10.42226	5.0	195081.0	1.389635	Y
5	IC 410-641051/5	15.0	22.934343	5.0	183956.0	1.528956	Y
6	ICIS 410-641051/2	25.0	43.700373	5.0	206113.0	1.748015	Y
7	IC 410-641051/4	40.0	63.413929	5.0	196082.0	1.585348	Y
8	IC 410-641051/3	60.0	97.551266	5.0	180187.0	1.625854	Y



09/19/2025

Calibration / N-Nitrosodiethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

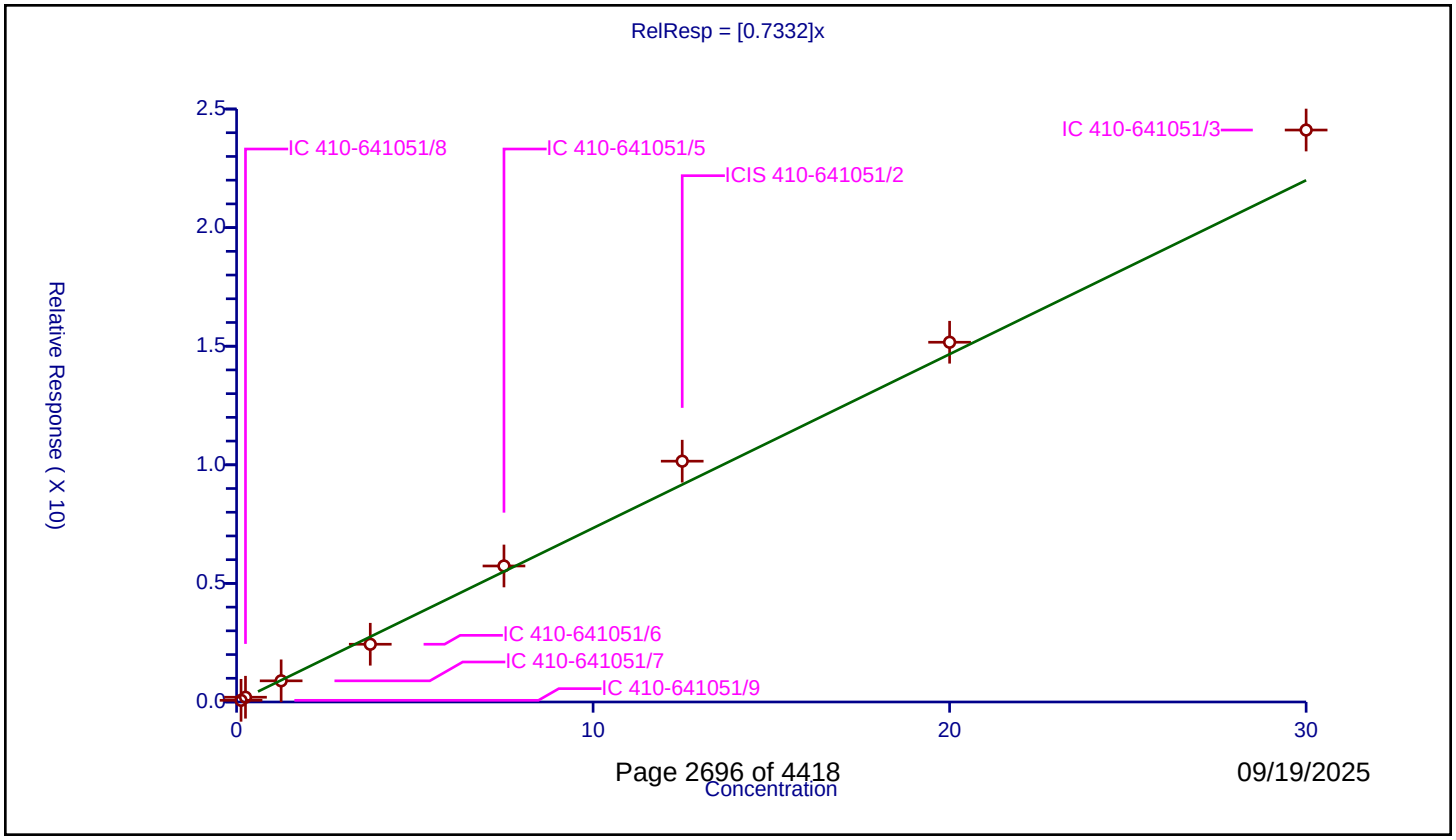
Curve Coefficients

Intercept:	0
Slope:	0.7332

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.07028	5.0	168754.0	0.562239	Y
2	IC 410-641051/8	0.25	0.200286	5.0	180841.0	0.801146	Y
3	IC 410-641051/7	1.25	0.892492	5.0	180842.0	0.713993	Y
4	IC 410-641051/6	3.75	2.434937	5.0	195081.0	0.649317	Y
5	IC 410-641051/5	7.5	5.734632	5.0	183956.0	0.764618	Y
6	ICIS 410-641051/2	12.5	10.152877	5.0	206113.0	0.81223	Y
7	IC 410-641051/4	20.0	15.1672	5.0	196082.0	0.75836	Y
8	IC 410-641051/3	30.0	24.114392	5.0	180187.0	0.803813	Y



Calibration / Ethyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

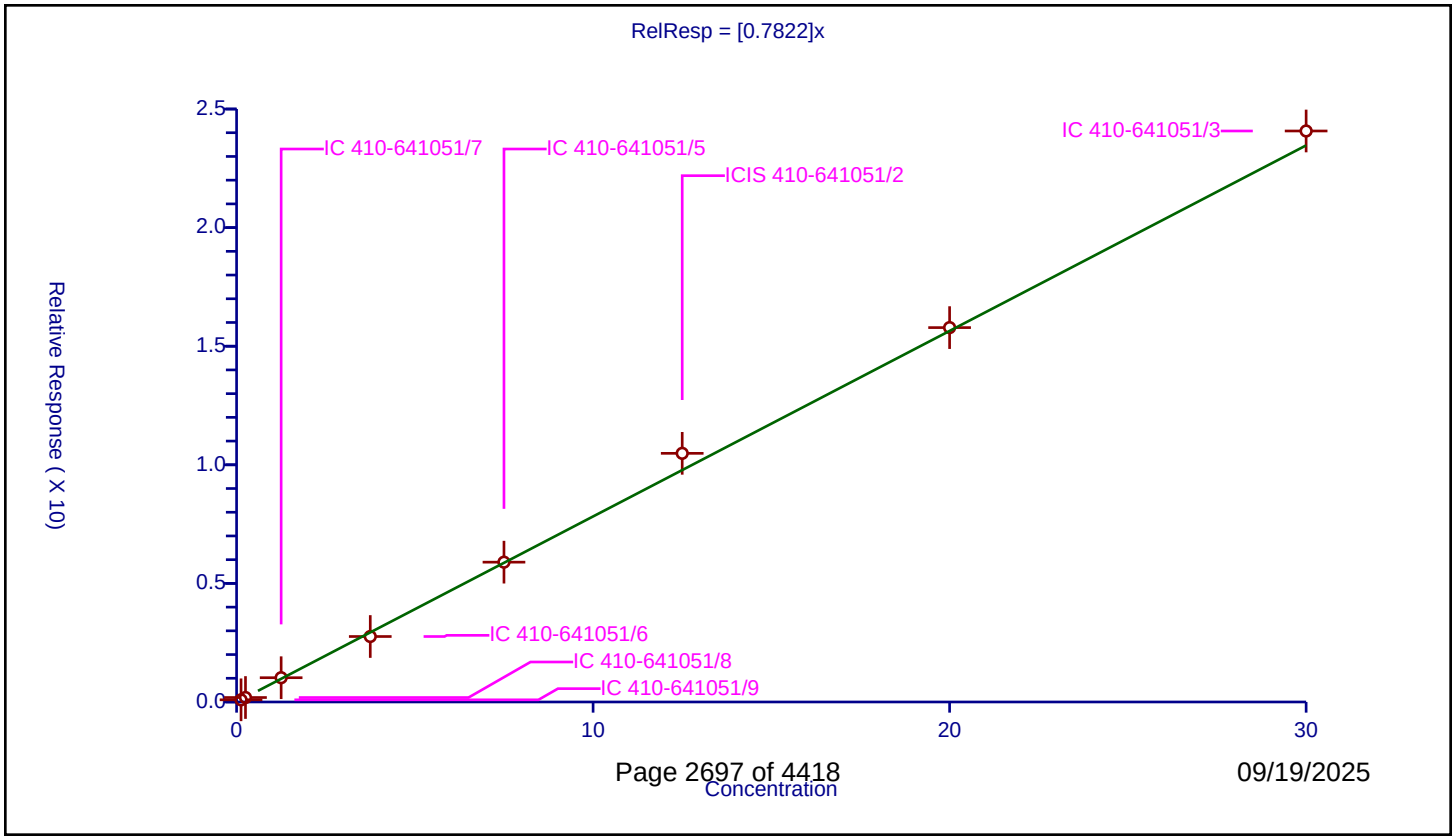
Curve Coefficients

Intercept:	0
Slope:	0.7822

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.091731	5.0	168754.0	0.733849	Y
2	IC 410-641051/8	0.25	0.188066	5.0	180841.0	0.752263	Y
3	IC 410-641051/7	1.25	1.023767	5.0	180842.0	0.819013	Y
4	IC 410-641051/6	3.75	2.760443	5.0	195081.0	0.736118	Y
5	IC 410-641051/5	7.5	5.894779	5.0	183956.0	0.785971	Y
6	ICIS 410-641051/2	12.5	10.483812	5.0	206113.0	0.838705	Y
7	IC 410-641051/4	20.0	15.784468	5.0	196082.0	0.789223	Y
8	IC 410-641051/3	30.0	24.073601	5.0	180187.0	0.802453	Y



Calibration / Benzaldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

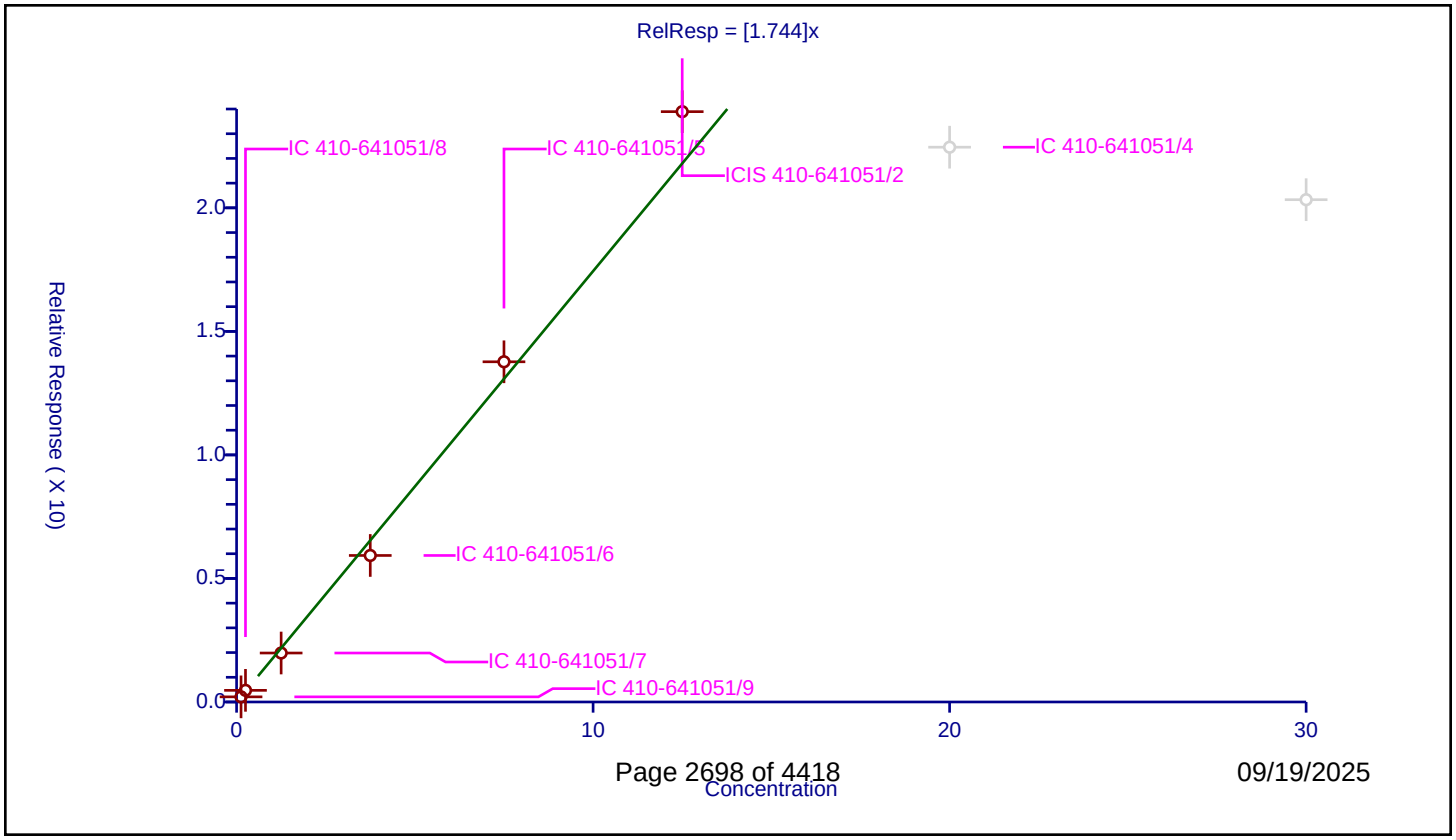
Curve Coefficients

Intercept:	0
Slope:	1.744

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.207758	5.0	168754.0	1.662064	Y
2	IC 410-641051/8	0.25	0.471326	5.0	180841.0	1.885303	Y
3	IC 410-641051/7	1.25	1.982587	5.0	180842.0	1.58607	Y
4	IC 410-641051/6	3.75	5.929896	5.0	195081.0	1.581306	Y
5	IC 410-641051/5	7.5	13.769733	5.0	183956.0	1.835964	Y
6	ICIS 410-641051/2	12.5	23.892646	5.0	206113.0	1.911412	Y
7	IC 410-641051/4	20.0	22.454203	5.0	196082.0	1.12271	N
8	IC 410-641051/3	30.0	20.329963	5.0	180187.0	0.677665	N



Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

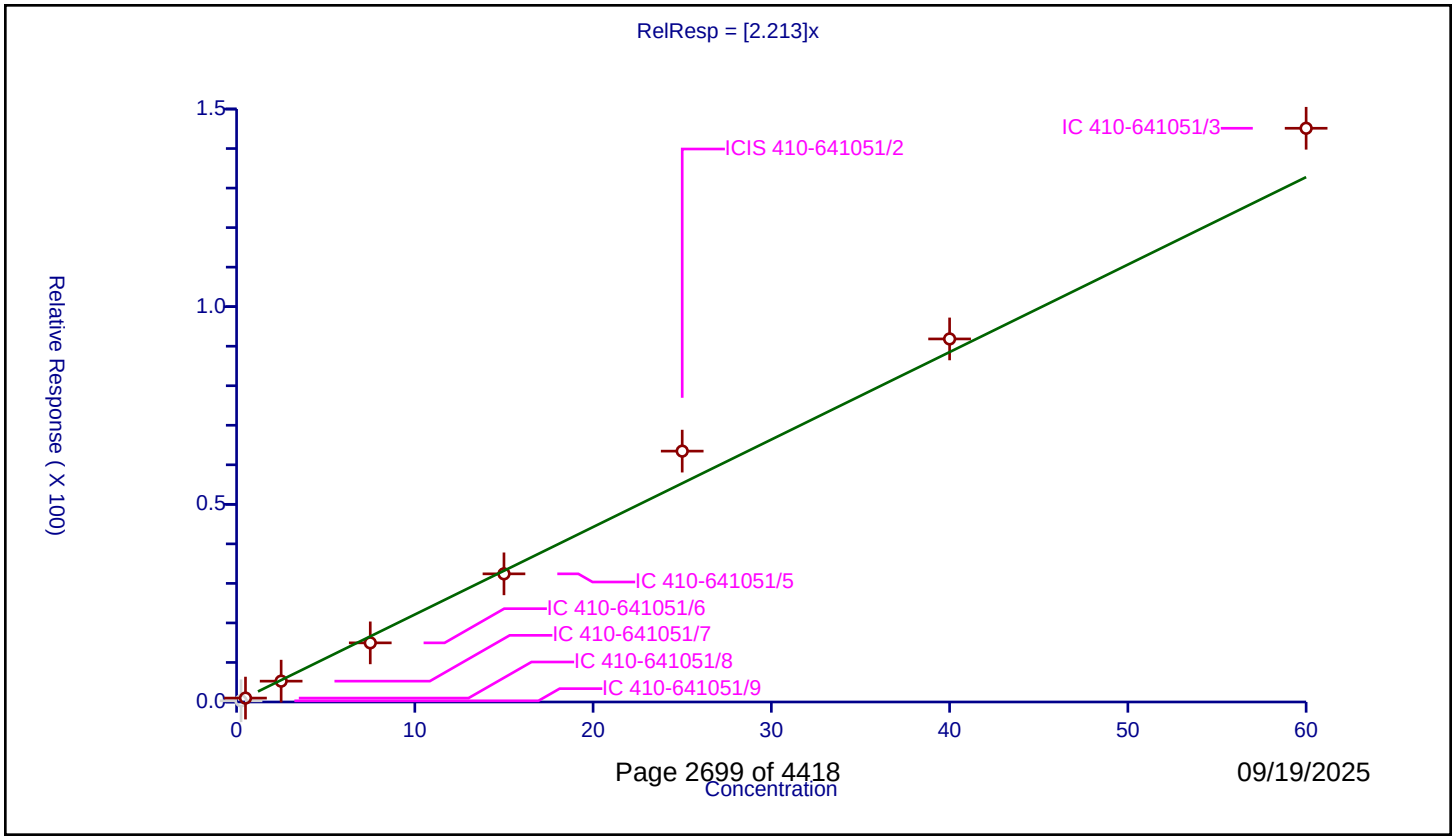
Curve Coefficients

Intercept:	0
Slope:	2.213

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.25	0.3026	5.0	168754.0	1.210401	N
2	IC 410-641051/8	0.5	0.986004	5.0	180841.0	1.972009	Y
3	IC 410-641051/7	2.5	5.27231	5.0	180842.0	2.108924	Y
4	IC 410-641051/6	7.5	14.960324	5.0	195081.0	1.99471	Y
5	IC 410-641051/5	15.0	32.41411	5.0	183956.0	2.160941	Y
6	ICIS 410-641051/2	25.0	63.462227	5.0	206113.0	2.538489	Y
7	IC 410-641051/4	40.0	91.84099	5.0	196082.0	2.296025	Y
8	IC 410-641051/3	60.0	145.131669	5.0	180187.0	2.418861	Y



09/19/2025

Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

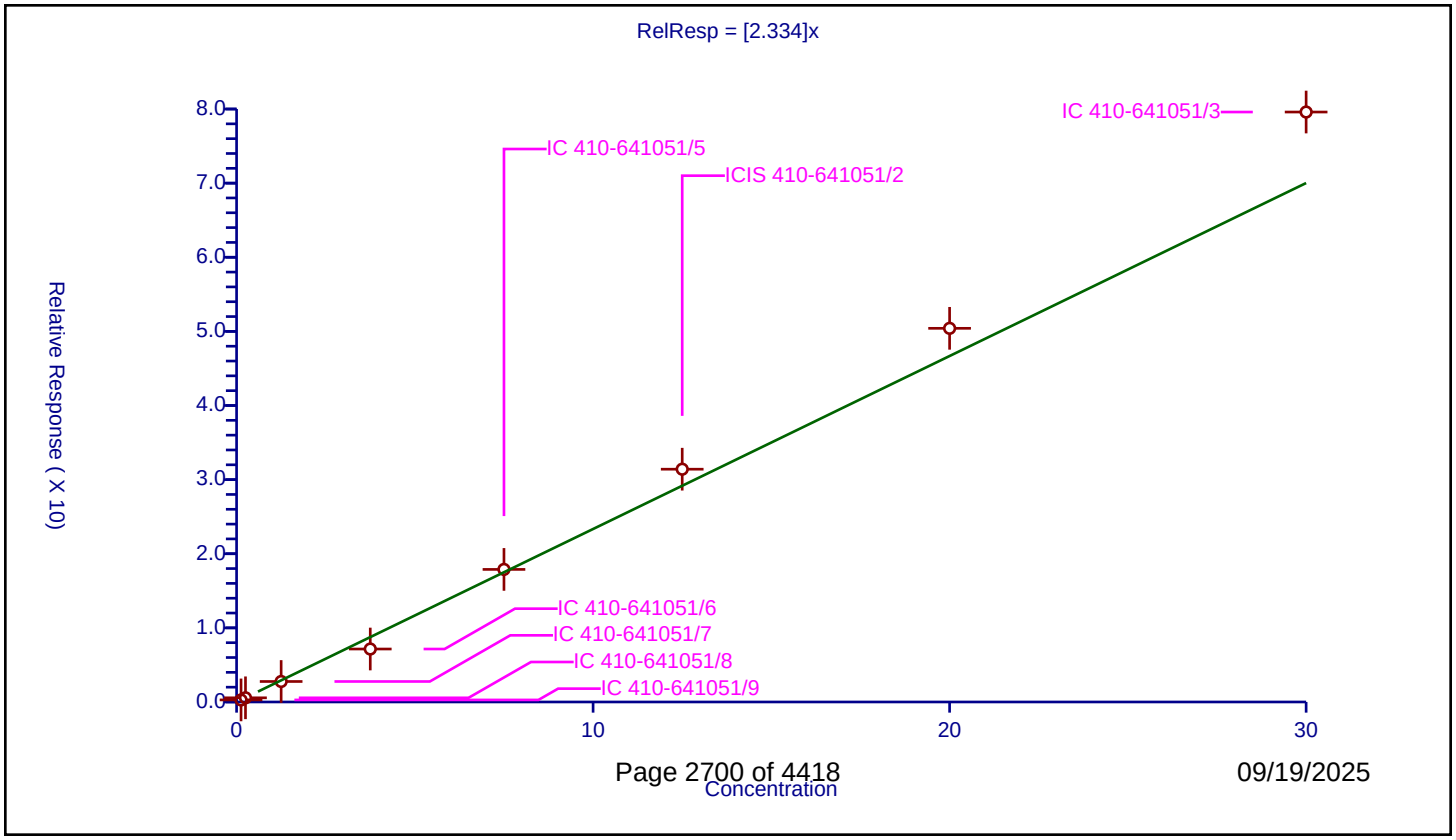
Curve Coefficients

Intercept:	0
Slope:	2.334

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.278512	5.0	168754.0	2.228095	Y
2	IC 410-641051/8	0.25	0.563395	5.0	180841.0	2.253582	Y
3	IC 410-641051/7	1.25	2.7649	5.0	180842.0	2.21192	Y
4	IC 410-641051/6	3.75	7.14575	5.0	195081.0	1.905533	Y
5	IC 410-641051/5	7.5	17.886587	5.0	183956.0	2.384878	Y
6	ICIS 410-641051/2	12.5	31.407674	5.0	206113.0	2.512614	Y
7	IC 410-641051/4	20.0	50.411843	5.0	196082.0	2.520592	Y
8	IC 410-641051/3	30.0	79.593478	5.0	180187.0	2.653116	Y



09/19/2025

Calibration / Aniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

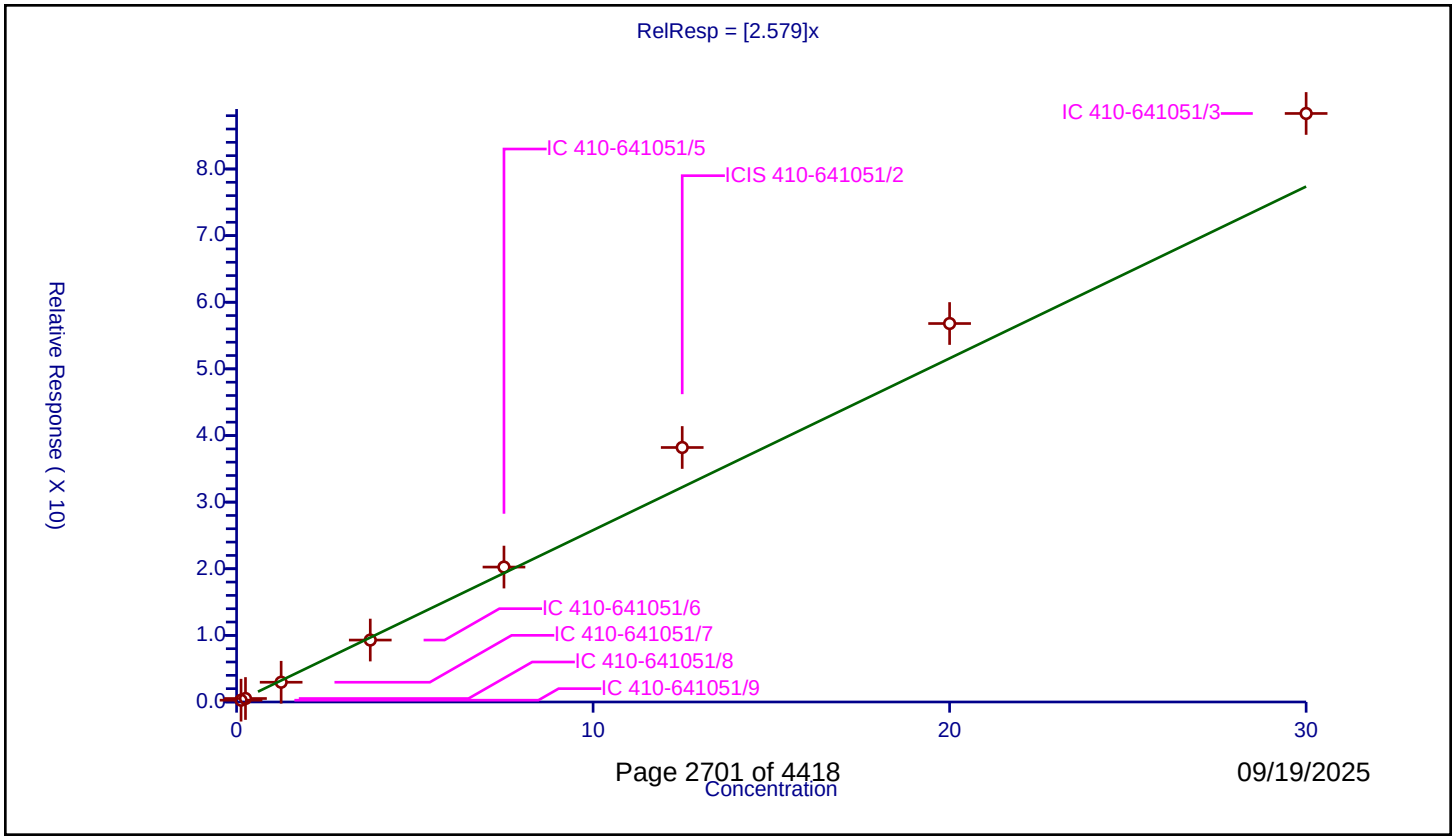
Curve Coefficients

Intercept:	0
Slope:	2.579

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.268764	5.0	168754.0	2.150112	Y
2	IC 410-641051/8	0.25	0.522863	5.0	180841.0	2.091451	Y
3	IC 410-641051/7	1.25	2.962973	5.0	180842.0	2.370379	Y
4	IC 410-641051/6	3.75	9.294549	5.0	195081.0	2.478547	Y
5	IC 410-641051/5	7.5	20.248565	5.0	183956.0	2.699809	Y
6	ICIS 410-641051/2	12.5	38.198658	5.0	206113.0	3.055893	Y
7	IC 410-641051/4	20.0	56.805444	5.0	196082.0	2.840272	Y
8	IC 410-641051/3	30.0	88.331705	5.0	180187.0	2.94439	Y



09/19/2025

Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

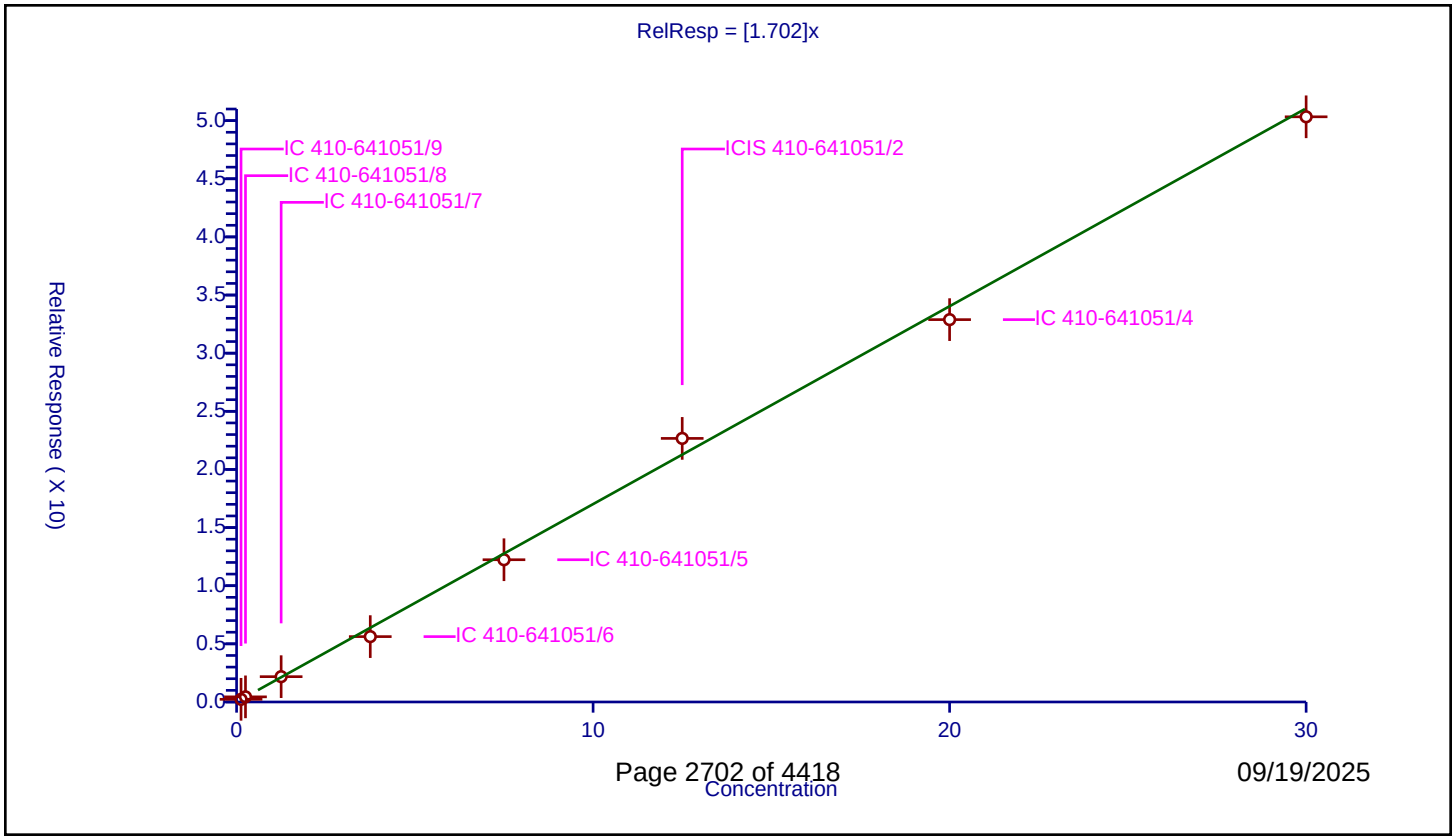
Curve Coefficients

Intercept:	0
Slope:	1.702

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.22995	5.0	168754.0	1.839601	Y
2	IC 410-641051/8	0.25	0.441686	5.0	180841.0	1.766745	Y
3	IC 410-641051/7	1.25	2.178034	5.0	180842.0	1.742427	Y
4	IC 410-641051/6	3.75	5.622818	5.0	195081.0	1.499418	Y
5	IC 410-641051/5	7.5	12.235317	5.0	183956.0	1.631376	Y
6	ICIS 410-641051/2	12.5	22.669482	5.0	206113.0	1.813559	Y
7	IC 410-641051/4	20.0	32.884635	5.0	196082.0	1.644232	Y
8	IC 410-641051/3	30.0	50.329436	5.0	180187.0	1.677648	Y



Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

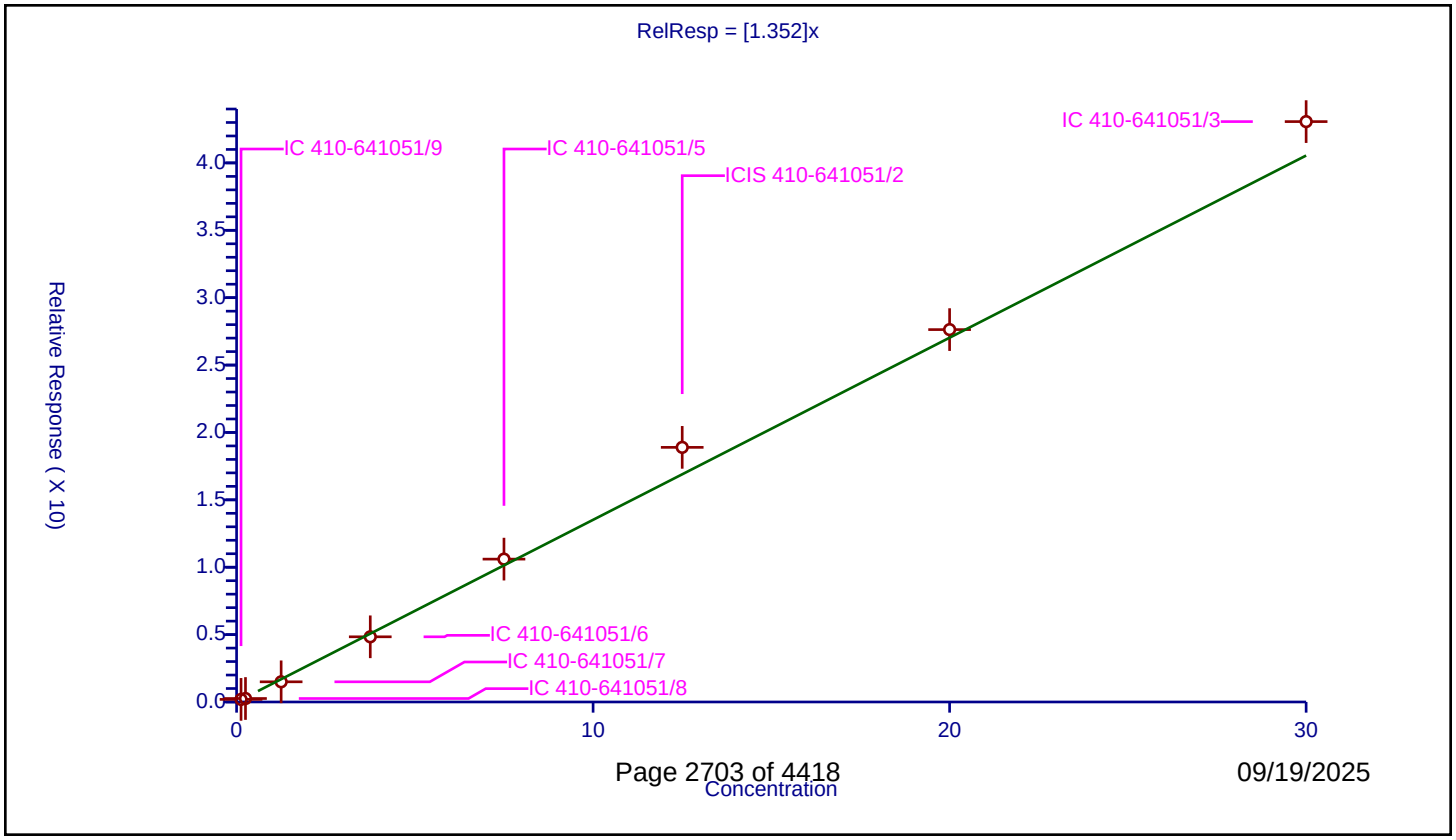
Curve Coefficients

Intercept:	0
Slope:	1.352

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.193862	5.0	168754.0	1.550897	Y
2	IC 410-641051/8	0.25	0.258044	5.0	180841.0	1.032177	Y
3	IC 410-641051/7	1.25	1.497274	5.0	180842.0	1.197819	Y
4	IC 410-641051/6	3.75	4.837042	5.0	195081.0	1.289878	Y
5	IC 410-641051/5	7.5	10.600741	5.0	183956.0	1.413432	Y
6	ICIS 410-641051/2	12.5	18.893617	5.0	206113.0	1.511489	Y
7	IC 410-641051/4	20.0	27.63117	5.0	196082.0	1.381558	Y
8	IC 410-641051/3	30.0	43.065093	5.0	180187.0	1.435503	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

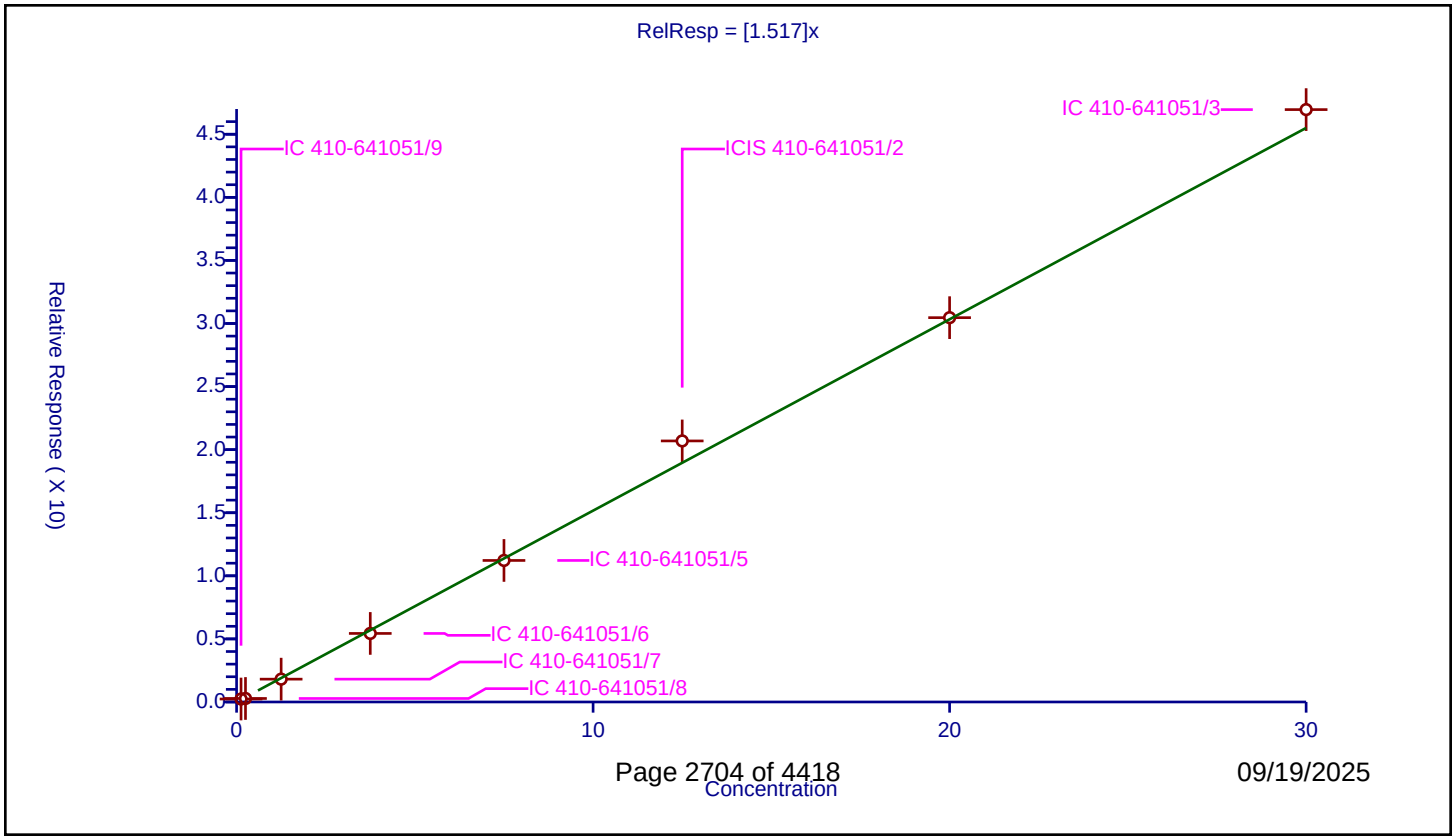
Curve Coefficients

Intercept:	0
Slope:	1.517

Error Coefficients

Relative Standard Deviation:	14.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.235965	5.0	168754.0	1.887718	Y
2	IC 410-641051/8	0.25	0.277288	5.0	180841.0	1.109151	Y
3	IC 410-641051/7	1.25	1.809674	5.0	180842.0	1.447739	Y
4	IC 410-641051/6	3.75	5.433974	5.0	195081.0	1.44906	Y
5	IC 410-641051/5	7.5	11.217846	5.0	183956.0	1.495713	Y
6	ICIS 410-641051/2	12.5	20.692145	5.0	206113.0	1.655372	Y
7	IC 410-641051/4	20.0	30.46195	5.0	196082.0	1.523097	Y
8	IC 410-641051/3	30.0	46.95447	5.0	180187.0	1.565149	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

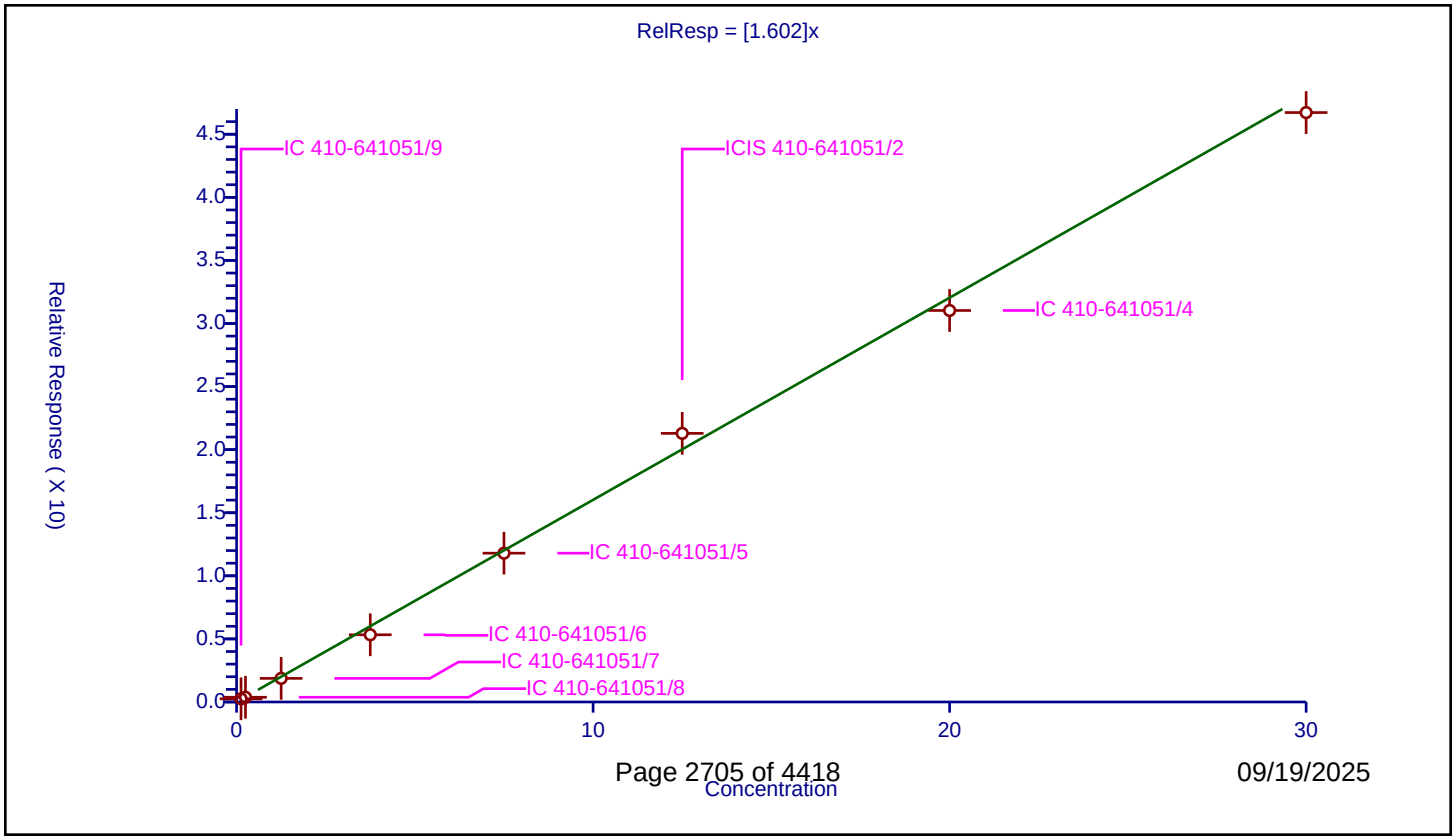
Curve Coefficients

Intercept:	0
Slope:	1.602

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.25149	5.0	168754.0	2.011923	Y
2	IC 410-641051/8	0.25	0.375772	5.0	180841.0	1.503088	Y
3	IC 410-641051/7	1.25	1.870943	5.0	180842.0	1.496754	Y
4	IC 410-641051/6	3.75	5.326582	5.0	195081.0	1.420422	Y
5	IC 410-641051/5	7.5	11.795076	5.0	183956.0	1.572677	Y
6	ICIS 410-641051/2	12.5	21.291743	5.0	206113.0	1.703339	Y
7	IC 410-641051/4	20.0	31.030717	5.0	196082.0	1.551536	Y
8	IC 410-641051/3	30.0	46.719908	5.0	180187.0	1.55733	Y



Calibration / Benzyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

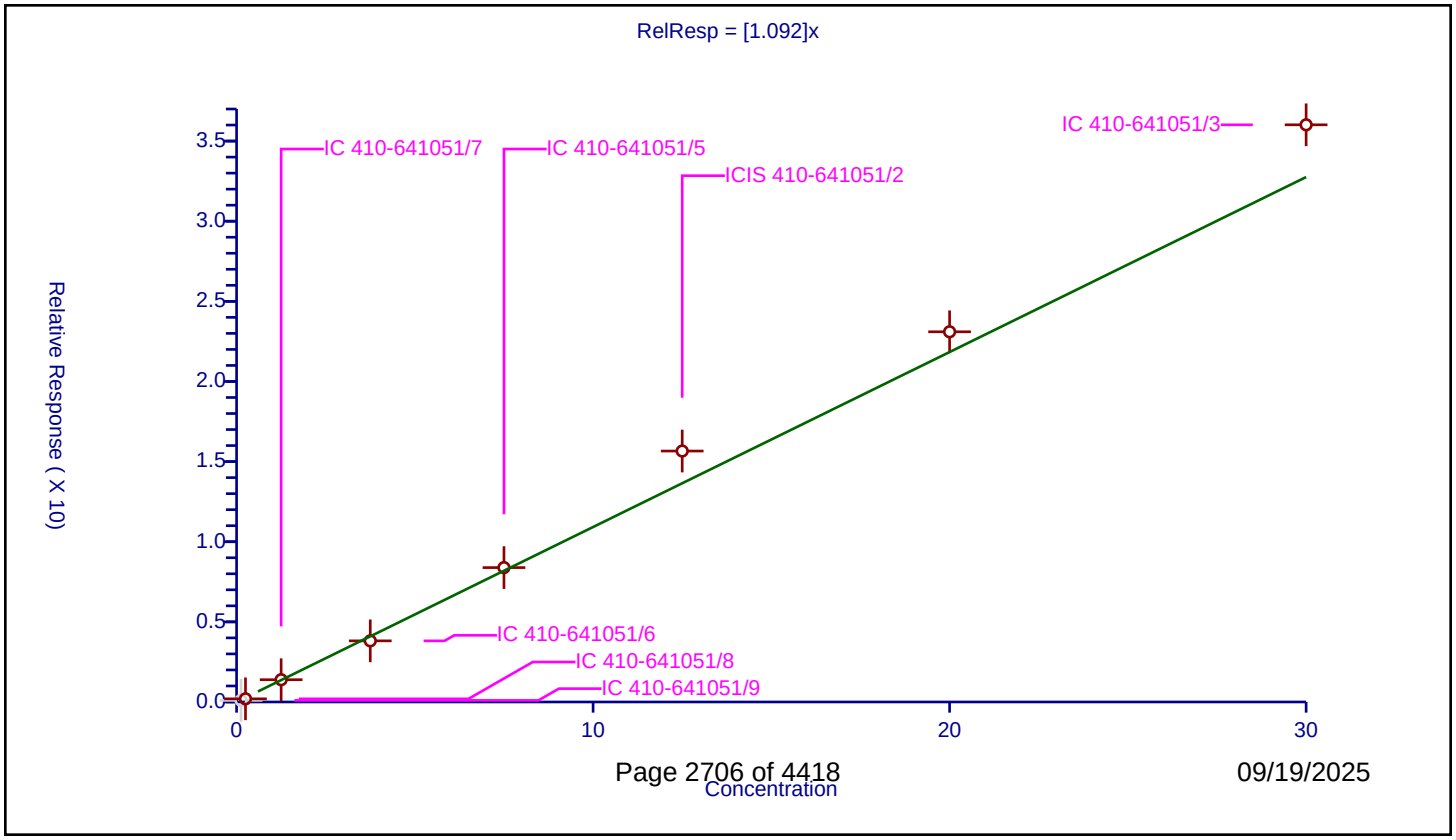
Curve Coefficients

Intercept:	0
Slope:	1.092

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.101124	5.0	168754.0	0.808988	N
2	IC 410-641051/8	0.25	0.196499	5.0	180841.0	0.785994	Y
3	IC 410-641051/7	1.25	1.391021	5.0	180842.0	1.112817	Y
4	IC 410-641051/6	3.75	3.815313	5.0	195081.0	1.017417	Y
5	IC 410-641051/5	7.5	8.385212	5.0	183956.0	1.118028	Y
6	ICIS 410-641051/2	12.5	15.658449	5.0	206113.0	1.252676	Y
7	IC 410-641051/4	20.0	23.099749	5.0	196082.0	1.154987	Y
8	IC 410-641051/3	30.0	36.01575	5.0	180187.0	1.200525	Y



09/19/2025

Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

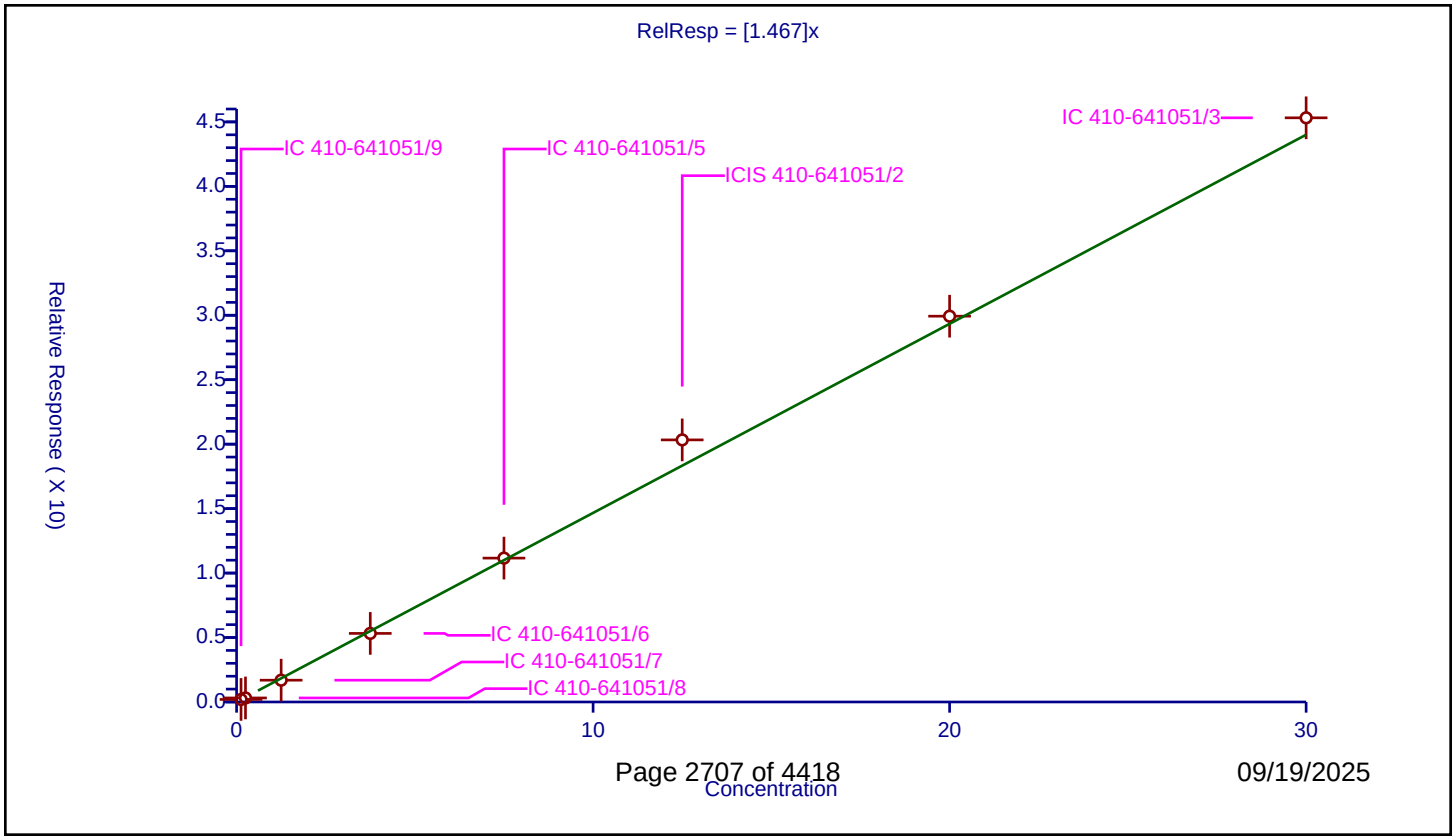
Curve Coefficients

Intercept:	0
Slope:	1.467

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.198306	5.0	168754.0	1.586451	Y
2	IC 410-641051/8	0.25	0.313756	5.0	180841.0	1.255025	Y
3	IC 410-641051/7	1.25	1.690426	5.0	180842.0	1.352341	Y
4	IC 410-641051/6	3.75	5.320354	5.0	195081.0	1.418761	Y
5	IC 410-641051/5	7.5	11.162017	5.0	183956.0	1.488269	Y
6	ICIS 410-641051/2	12.5	20.331323	5.0	206113.0	1.626506	Y
7	IC 410-641051/4	20.0	29.92855	5.0	196082.0	1.496428	Y
8	IC 410-641051/3	30.0	45.317254	5.0	180187.0	1.510575	Y



Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

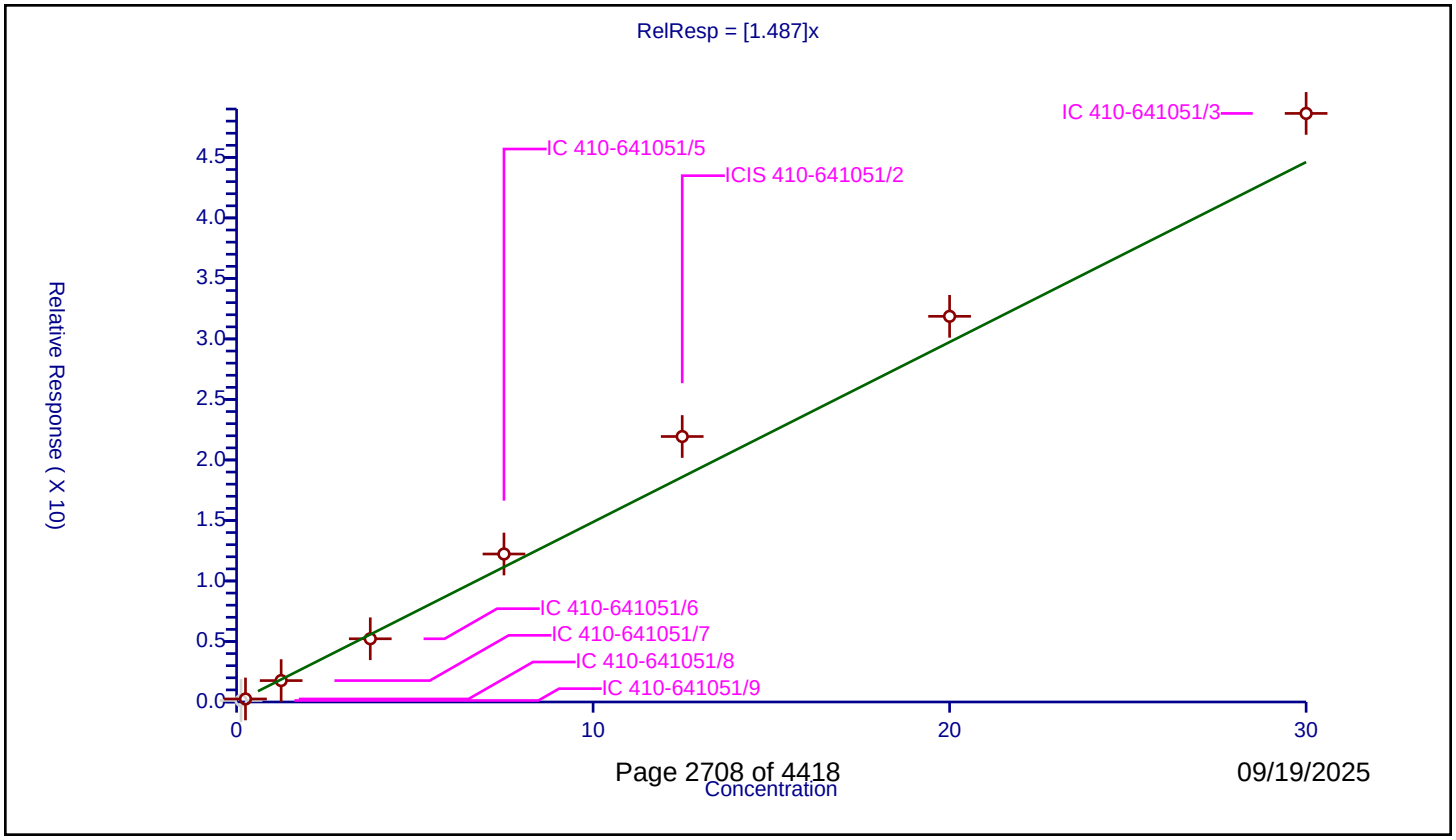
Curve Coefficients

Intercept:	0
Slope:	1.487

Error Coefficients

Relative Standard Deviation:	16.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.124382	5.0	168754.0	0.995058	N
2	IC 410-641051/8	0.25	0.25033	5.0	180841.0	1.001322	Y
3	IC 410-641051/7	1.25	1.76939	5.0	180842.0	1.415512	Y
4	IC 410-641051/6	3.75	5.224471	5.0	195081.0	1.393192	Y
5	IC 410-641051/5	7.5	12.22844	5.0	183956.0	1.630459	Y
6	ICIS 410-641051/2	12.5	21.937287	5.0	206113.0	1.754983	Y
7	IC 410-641051/4	20.0	31.86983	5.0	196082.0	1.593491	Y
8	IC 410-641051/3	30.0	48.635501	5.0	180187.0	1.621183	Y



Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

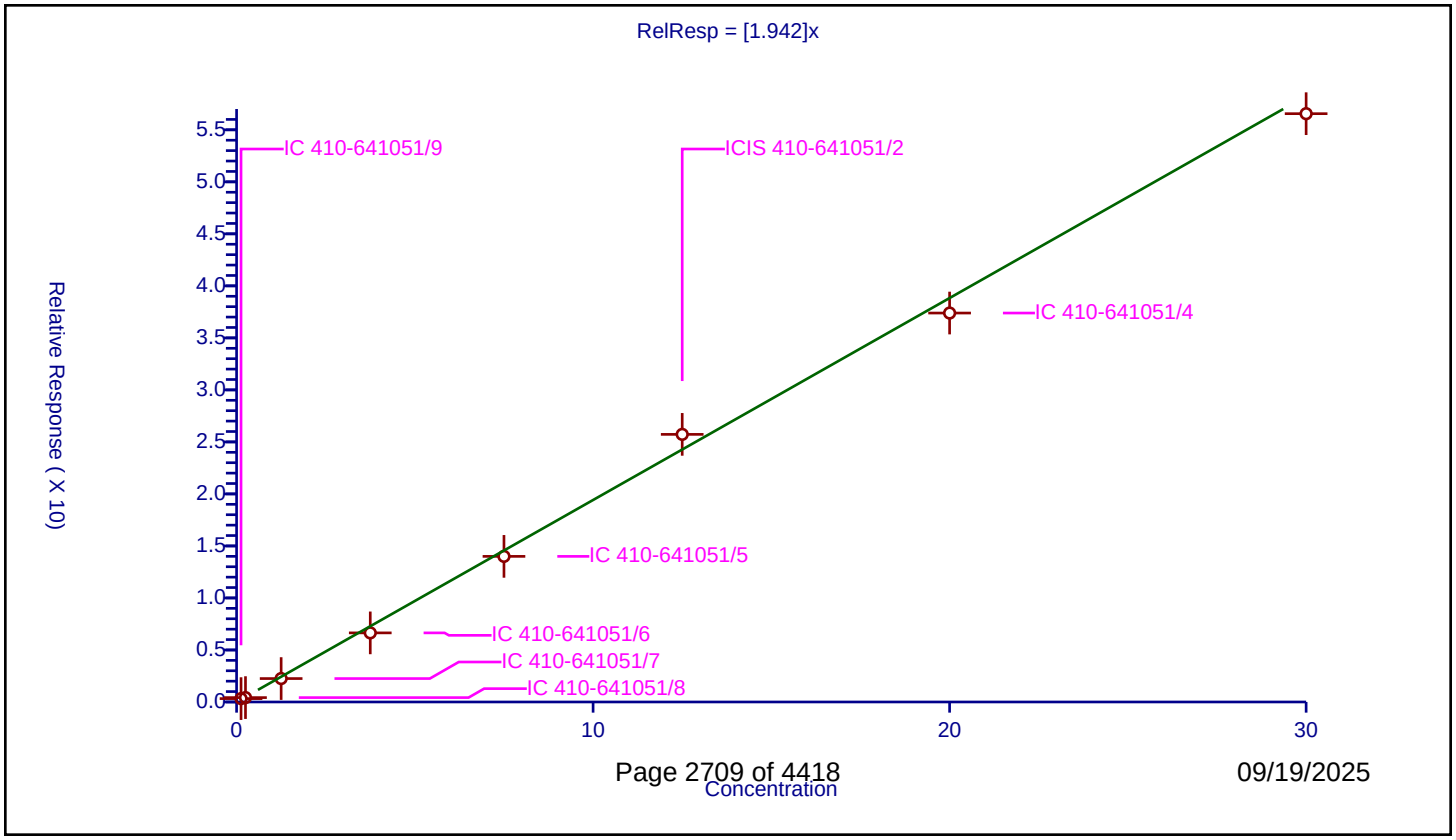
Curve Coefficients

Intercept:	0
Slope:	1.942

Error Coefficients

Relative Standard Deviation:	14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.324111	5.0	168754.0	2.592887	Y
2	IC 410-641051/8	0.25	0.421973	5.0	180841.0	1.687892	Y
3	IC 410-641051/7	1.25	2.251579	5.0	180842.0	1.801263	Y
4	IC 410-641051/6	3.75	6.643702	5.0	195081.0	1.771654	Y
5	IC 410-641051/5	7.5	13.996255	5.0	183956.0	1.866167	Y
6	ICIS 410-641051/2	12.5	25.724287	5.0	206113.0	2.057943	Y
7	IC 410-641051/4	20.0	37.387573	5.0	196082.0	1.869379	Y
8	IC 410-641051/3	30.0	56.551888	5.0	180187.0	1.885063	Y



Calibration / N-Nitrosopyrrolidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

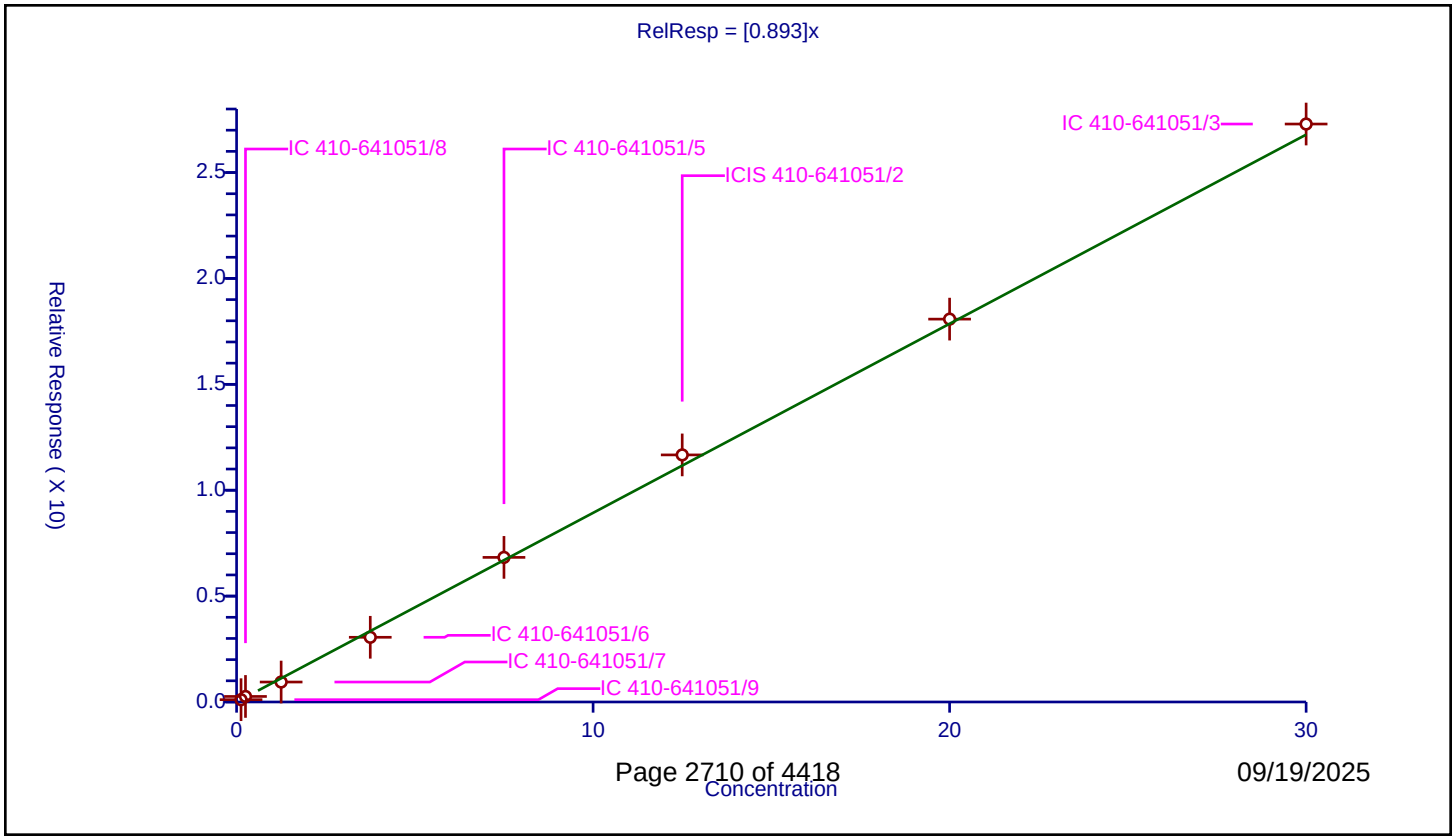
Curve Coefficients

Intercept:	0
Slope:	0.893

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.10939	5.0	168754.0	0.87512	Y
2	IC 410-641051/8	0.25	0.260699	5.0	180841.0	1.042794	Y
3	IC 410-641051/7	1.25	0.942342	5.0	180842.0	0.753874	Y
4	IC 410-641051/6	3.75	3.055782	5.0	195081.0	0.814875	Y
5	IC 410-641051/5	7.5	6.827747	5.0	183956.0	0.910366	Y
6	ICIS 410-641051/2	12.5	11.666877	5.0	206113.0	0.93335	Y
7	IC 410-641051/4	20.0	18.078635	5.0	196082.0	0.903932	Y
8	IC 410-641051/3	30.0	27.290593	5.0	180187.0	0.909686	Y



09/19/2025

Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

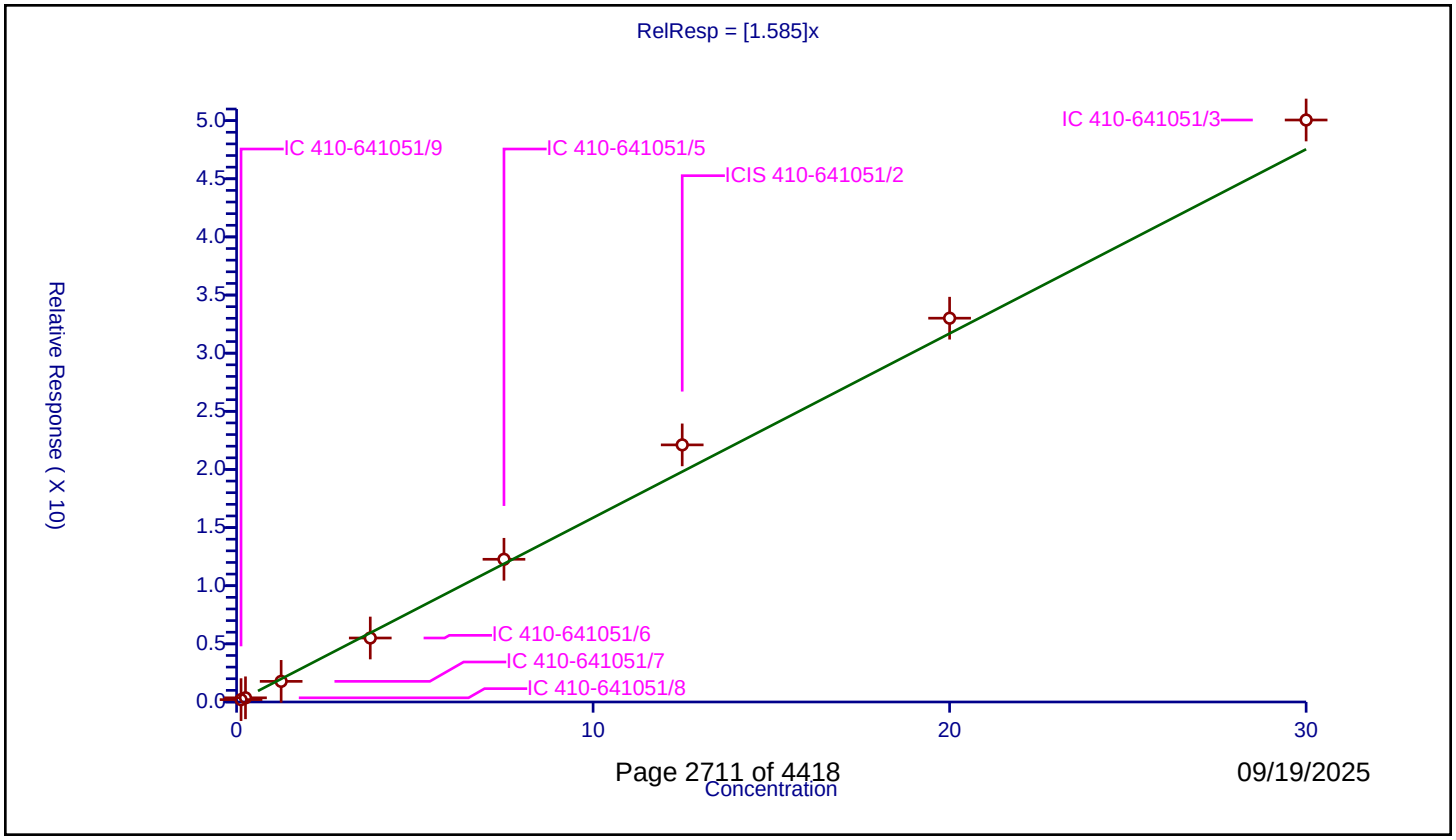
Curve Coefficients

Intercept:	0
Slope:	1.585

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.203817	5.0	168754.0	1.630539	Y
2	IC 410-641051/8	0.25	0.358851	5.0	180841.0	1.435405	Y
3	IC 410-641051/7	1.25	1.774339	5.0	180842.0	1.419471	Y
4	IC 410-641051/6	3.75	5.503329	5.0	195081.0	1.467555	Y
5	IC 410-641051/5	7.5	12.273207	5.0	183956.0	1.636428	Y
6	ICIS 410-641051/2	12.5	22.112215	5.0	206113.0	1.768977	Y
7	IC 410-641051/4	20.0	33.010169	5.0	196082.0	1.650508	Y
8	IC 410-641051/3	30.0	50.055942	5.0	180187.0	1.668531	Y



Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

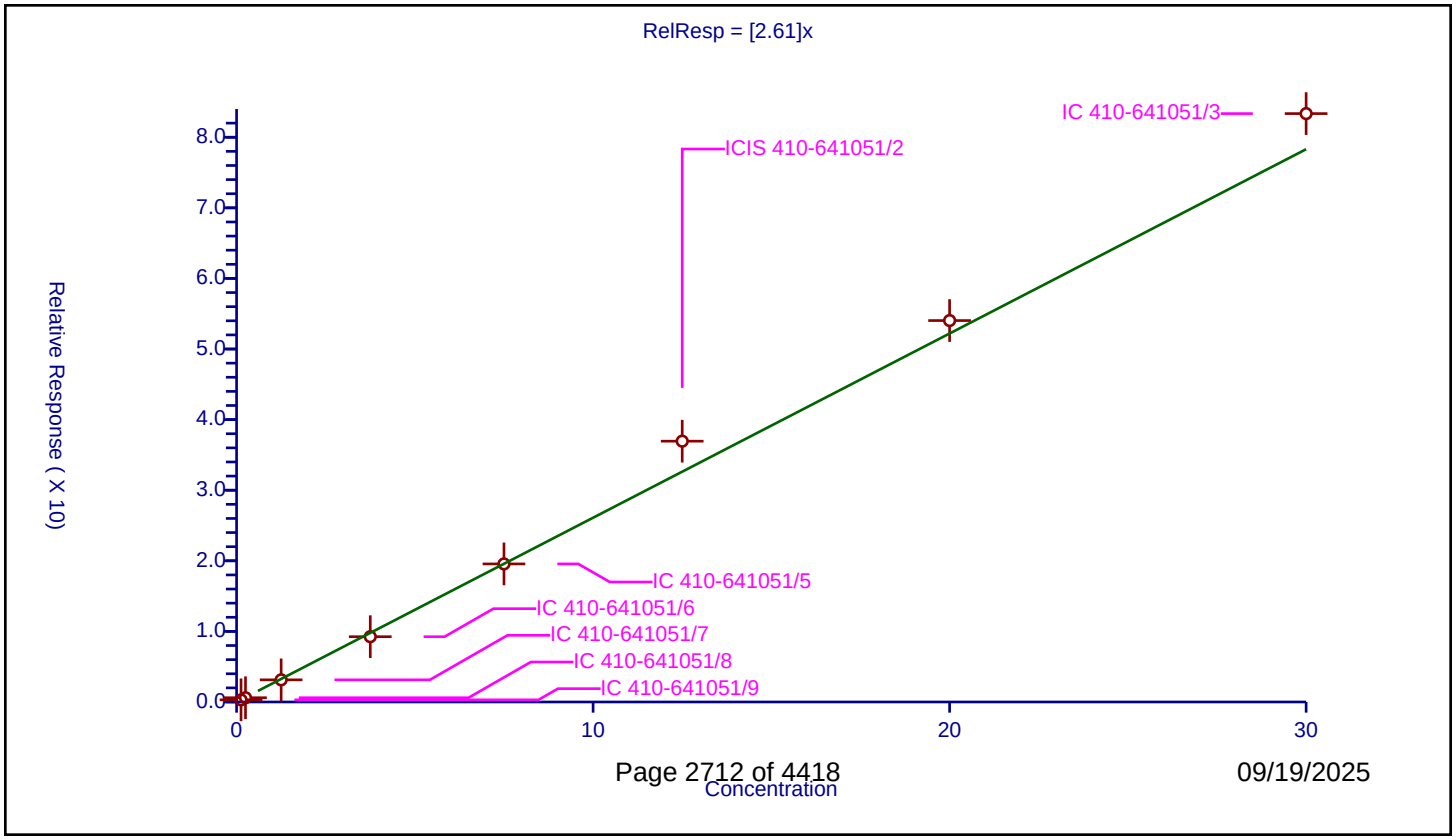
Curve Coefficients

Intercept:	0
Slope:	2.61

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.30583	5.0	168754.0	2.446638	Y
2	IC 410-641051/8	0.25	0.603569	5.0	180841.0	2.414276	Y
3	IC 410-641051/7	1.25	3.13702	5.0	180842.0	2.509616	Y
4	IC 410-641051/6	3.75	9.250619	5.0	195081.0	2.466832	Y
5	IC 410-641051/5	7.5	19.558808	5.0	183956.0	2.607841	Y
6	ICIS 410-641051/2	12.5	36.947112	5.0	206113.0	2.955769	Y
7	IC 410-641051/4	20.0	54.031936	5.0	196082.0	2.701597	Y
8	IC 410-641051/3	30.0	83.348854	5.0	180187.0	2.778295	Y



09/19/2025

Calibration / 4-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

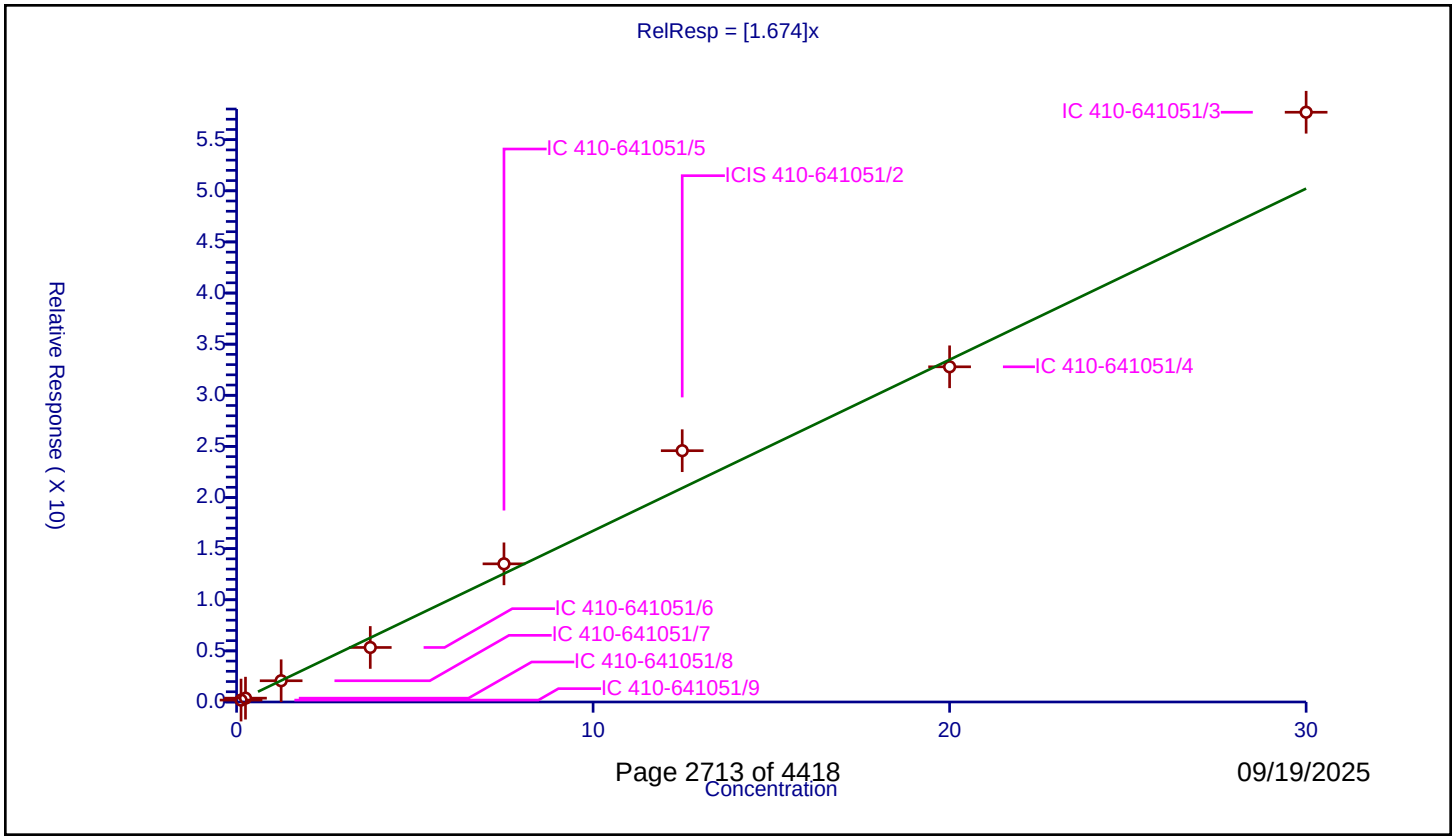
Curve Coefficients

Intercept:	0
Slope:	1.674

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.185329	5.0	168754.0	1.482632	Y
2	IC 410-641051/8	0.25	0.373367	5.0	180841.0	1.493467	Y
3	IC 410-641051/7	1.25	2.078693	5.0	180842.0	1.662954	Y
4	IC 410-641051/6	3.75	5.333374	5.0	195081.0	1.422233	Y
5	IC 410-641051/5	7.5	13.511139	5.0	183956.0	1.801485	Y
6	ICIS 410-641051/2	12.5	24.580715	5.0	206113.0	1.966457	Y
7	IC 410-641051/4	20.0	32.78562	5.0	196082.0	1.639281	Y
8	IC 410-641051/3	30.0	57.685044	5.0	180187.0	1.922835	Y



Calibration / N-Nitrosomorpholine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

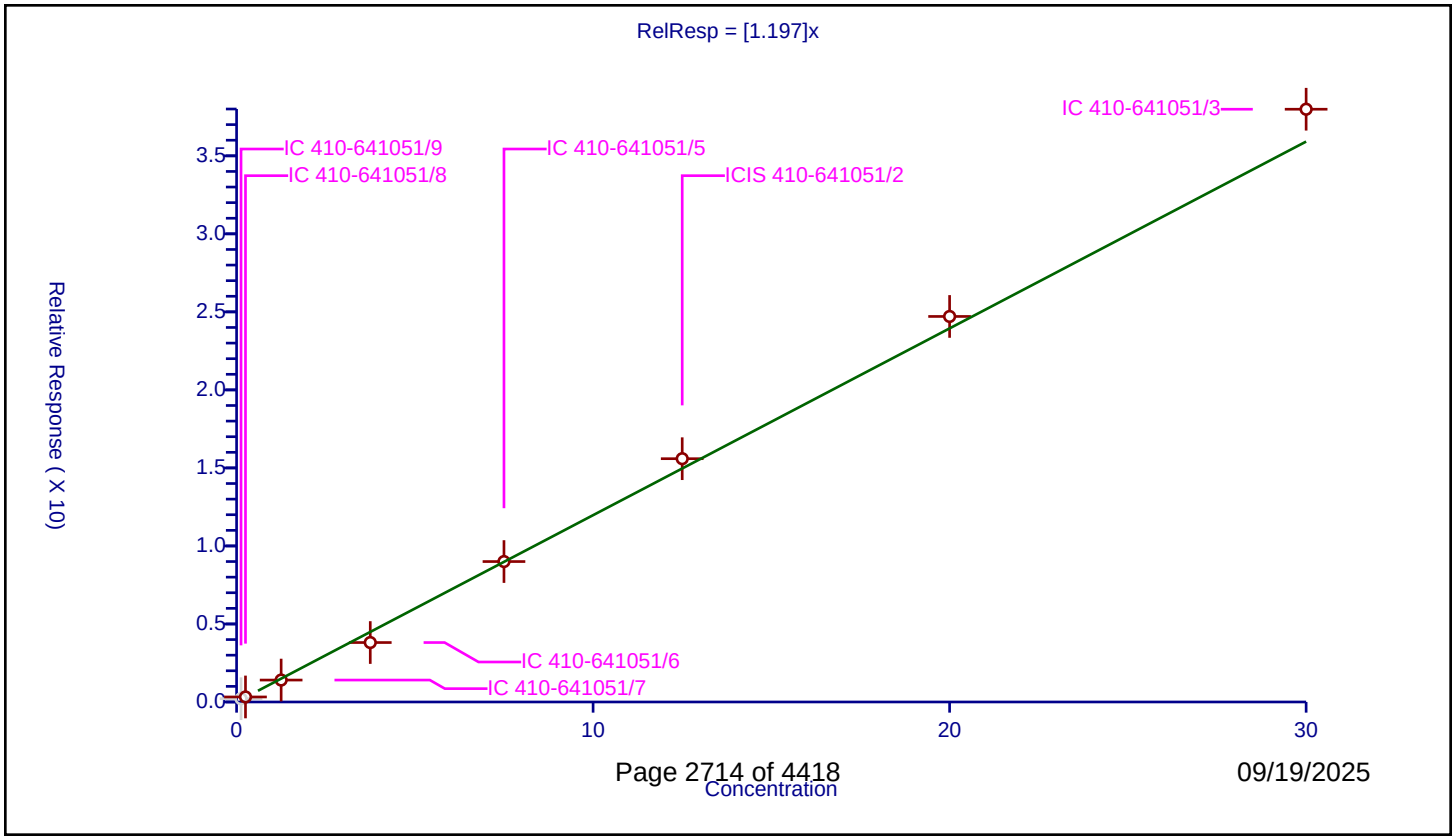
Curve Coefficients

Intercept:	0
Slope:	1.197

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.211758	5.0	168754.0	1.694064	N
2	IC 410-641051/8	0.25	0.322853	5.0	180841.0	1.291411	Y
3	IC 410-641051/7	1.25	1.404735	5.0	180842.0	1.123788	Y
4	IC 410-641051/6	3.75	3.809469	5.0	195081.0	1.015858	Y
5	IC 410-641051/5	7.5	8.999951	5.0	183956.0	1.199993	Y
6	ICIS 410-641051/2	12.5	15.59038	5.0	206113.0	1.24723	Y
7	IC 410-641051/4	20.0	24.706755	5.0	196082.0	1.235338	Y
8	IC 410-641051/3	30.0	37.986758	5.0	180187.0	1.266225	Y



Calibration / 2-Toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

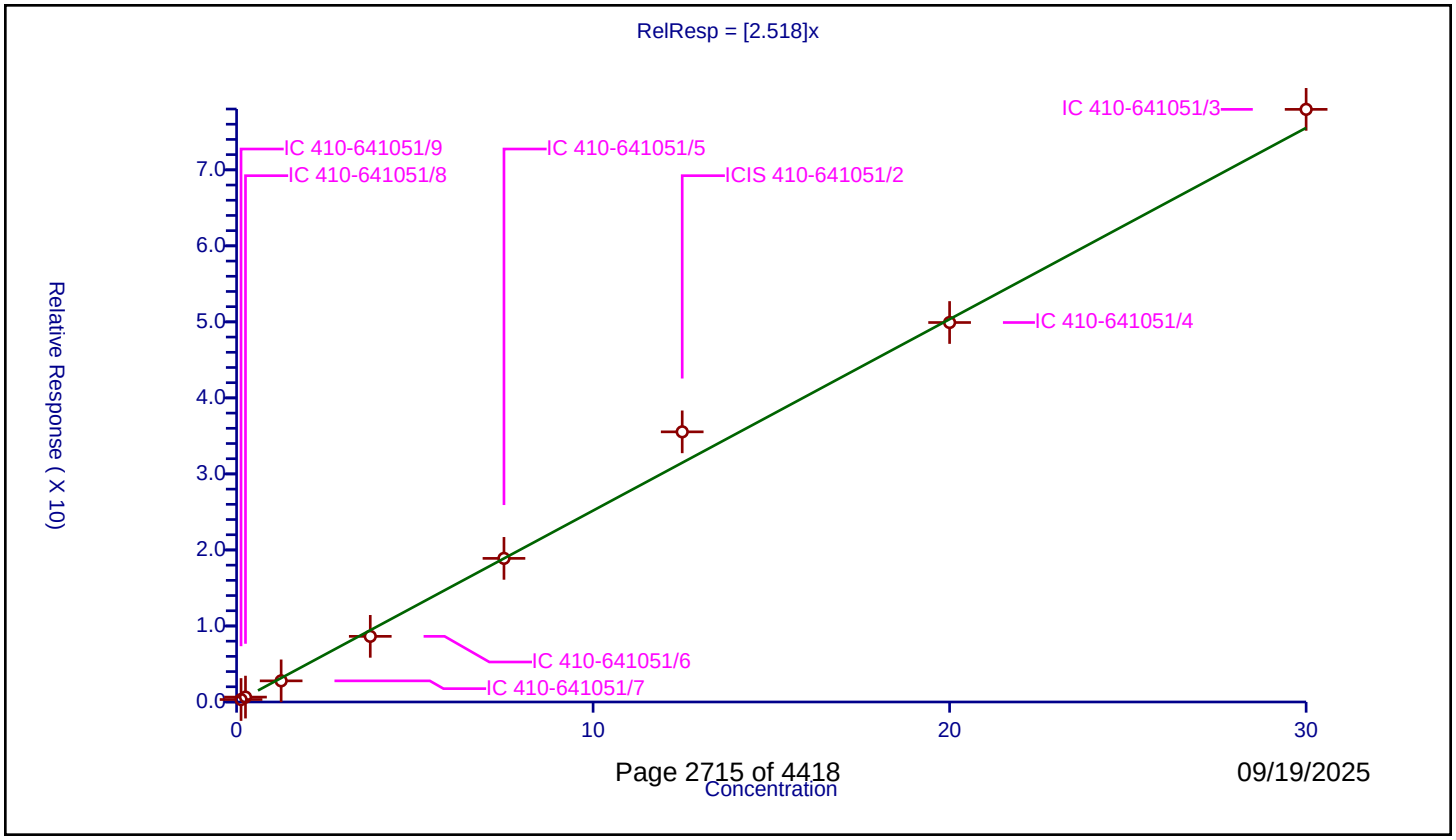
Curve Coefficients

Intercept:	0
Slope:	2.518

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.322866	5.0	168754.0	2.582931	Y
2	IC 410-641051/8	0.25	0.644019	5.0	180841.0	2.576075	Y
3	IC 410-641051/7	1.25	2.778475	5.0	180842.0	2.22278	Y
4	IC 410-641051/6	3.75	8.634106	5.0	195081.0	2.302428	Y
5	IC 410-641051/5	7.5	18.890088	5.0	183956.0	2.518678	Y
6	ICIS 410-641051/2	12.5	35.534949	5.0	206113.0	2.842796	Y
7	IC 410-641051/4	20.0	49.915954	5.0	196082.0	2.495798	Y
8	IC 410-641051/3	30.0	77.955929	5.0	180187.0	2.598531	Y



09/19/2025

Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

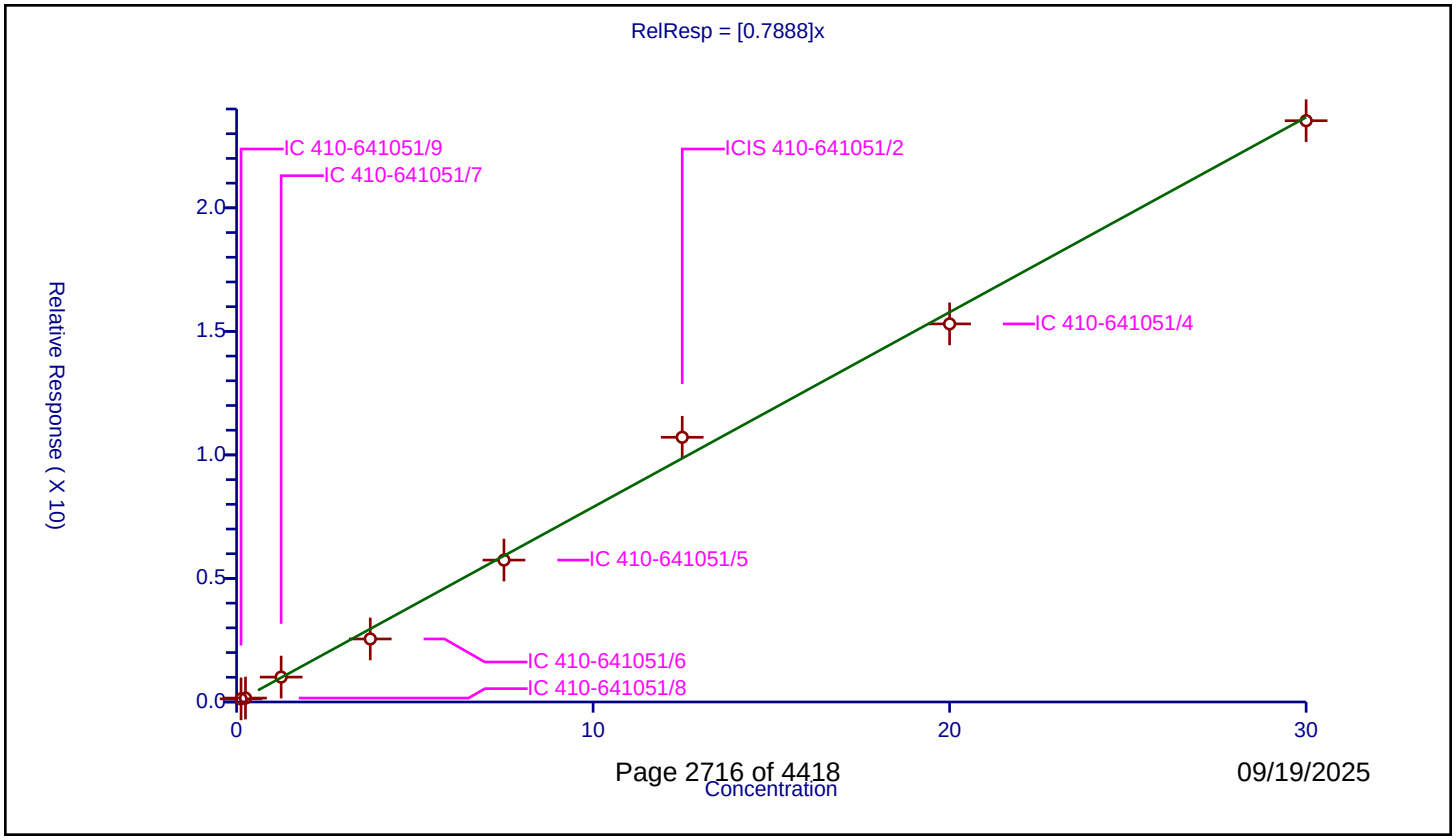
Curve Coefficients

Intercept:	0
Slope:	0.7888

Error Coefficients

Relative Standard Deviation:	14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.127108	5.0	168754.0	1.016865	Y
2	IC 410-641051/8	0.25	0.158896	5.0	180841.0	0.635586	Y
3	IC 410-641051/7	1.25	1.007095	5.0	180842.0	0.805676	Y
4	IC 410-641051/6	3.75	2.55071	5.0	195081.0	0.680189	Y
5	IC 410-641051/5	7.5	5.74333	5.0	183956.0	0.765777	Y
6	ICIS 410-641051/2	12.5	10.714074	5.0	206113.0	0.857126	Y
7	IC 410-641051/4	20.0	15.303291	5.0	196082.0	0.765165	Y
8	IC 410-641051/3	30.0	23.526864	5.0	180187.0	0.784229	Y



Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

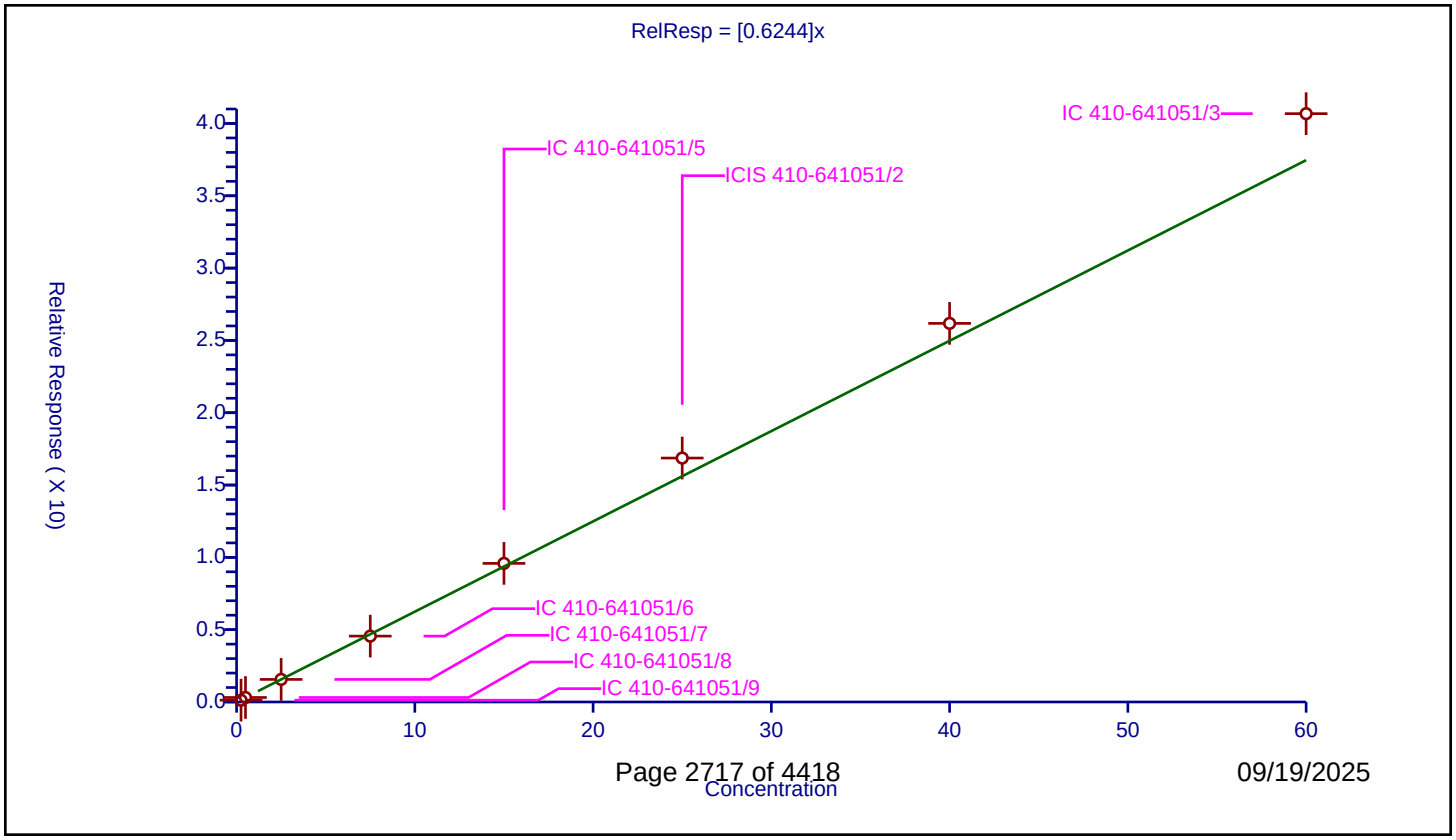
Curve Coefficients

Intercept:	0
Slope:	0.6244

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.25	0.123898	5.0	691214.0	0.495592	Y
2	IC 410-641051/8	0.5	0.31087	5.0	678080.0	0.621741	Y
3	IC 410-641051/7	2.5	1.560637	5.0	655447.0	0.624255	Y
4	IC 410-641051/6	7.5	4.554542	5.0	705780.0	0.607272	Y
5	IC 410-641051/5	15.0	9.583672	5.0	699161.0	0.638911	Y
6	ICIS 410-641051/2	25.0	16.865521	5.0	831564.0	0.674621	Y
7	IC 410-641051/4	40.0	26.177361	5.0	737191.0	0.654434	Y
8	IC 410-641051/3	60.0	40.679917	5.0	693092.0	0.677999	Y



09/19/2025

Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

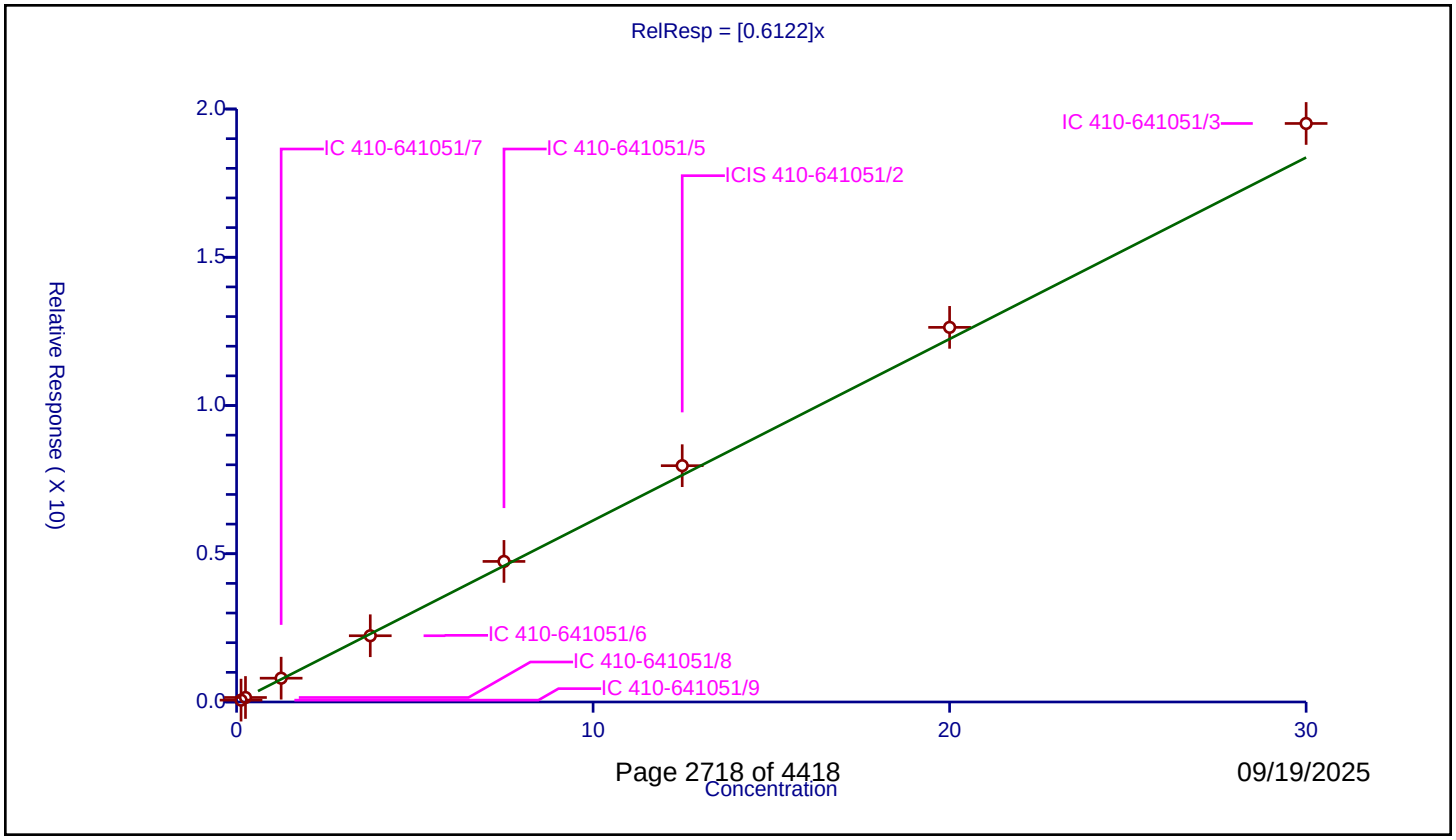
Curve Coefficients

Intercept:	0
Slope:	0.6122

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.062499	5.0	691214.0	0.49999	Y
2	IC 410-641051/8	0.25	0.151774	5.0	678080.0	0.607097	Y
3	IC 410-641051/7	1.25	0.802971	5.0	655447.0	0.642377	Y
4	IC 410-641051/6	3.75	2.234159	5.0	705780.0	0.595776	Y
5	IC 410-641051/5	7.5	4.741404	5.0	699161.0	0.632187	Y
6	ICIS 410-641051/2	12.5	7.970667	5.0	831564.0	0.637653	Y
7	IC 410-641051/4	20.0	12.635891	5.0	737191.0	0.631795	Y
8	IC 410-641051/3	30.0	19.512871	5.0	693092.0	0.650429	Y



Calibration / N-Nitrosopiperidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

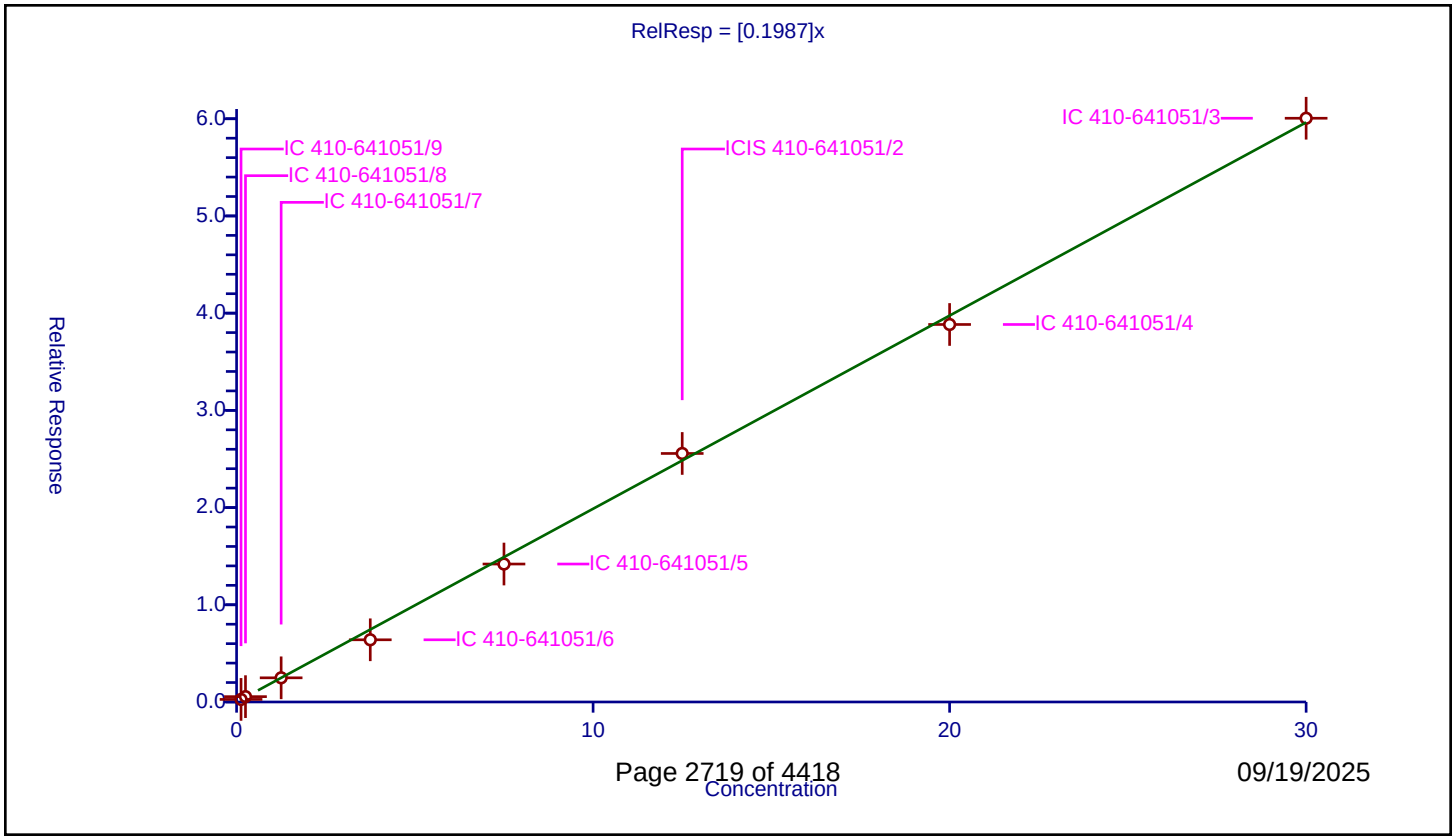
Curve Coefficients

Intercept:	0
Slope:	0.1987

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.026497	5.0	691214.0	0.211975	Y
2	IC 410-641051/8	0.25	0.055082	5.0	678080.0	0.220328	Y
3	IC 410-641051/7	1.25	0.248685	5.0	655447.0	0.198948	Y
4	IC 410-641051/6	3.75	0.639767	5.0	705780.0	0.170605	Y
5	IC 410-641051/5	7.5	1.419194	5.0	699161.0	0.189226	Y
6	ICIS 410-641051/2	12.5	2.556688	5.0	831564.0	0.204535	Y
7	IC 410-641051/4	20.0	3.883349	5.0	737191.0	0.194167	Y
8	IC 410-641051/3	30.0	6.004989	5.0	693092.0	0.200166	Y



Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

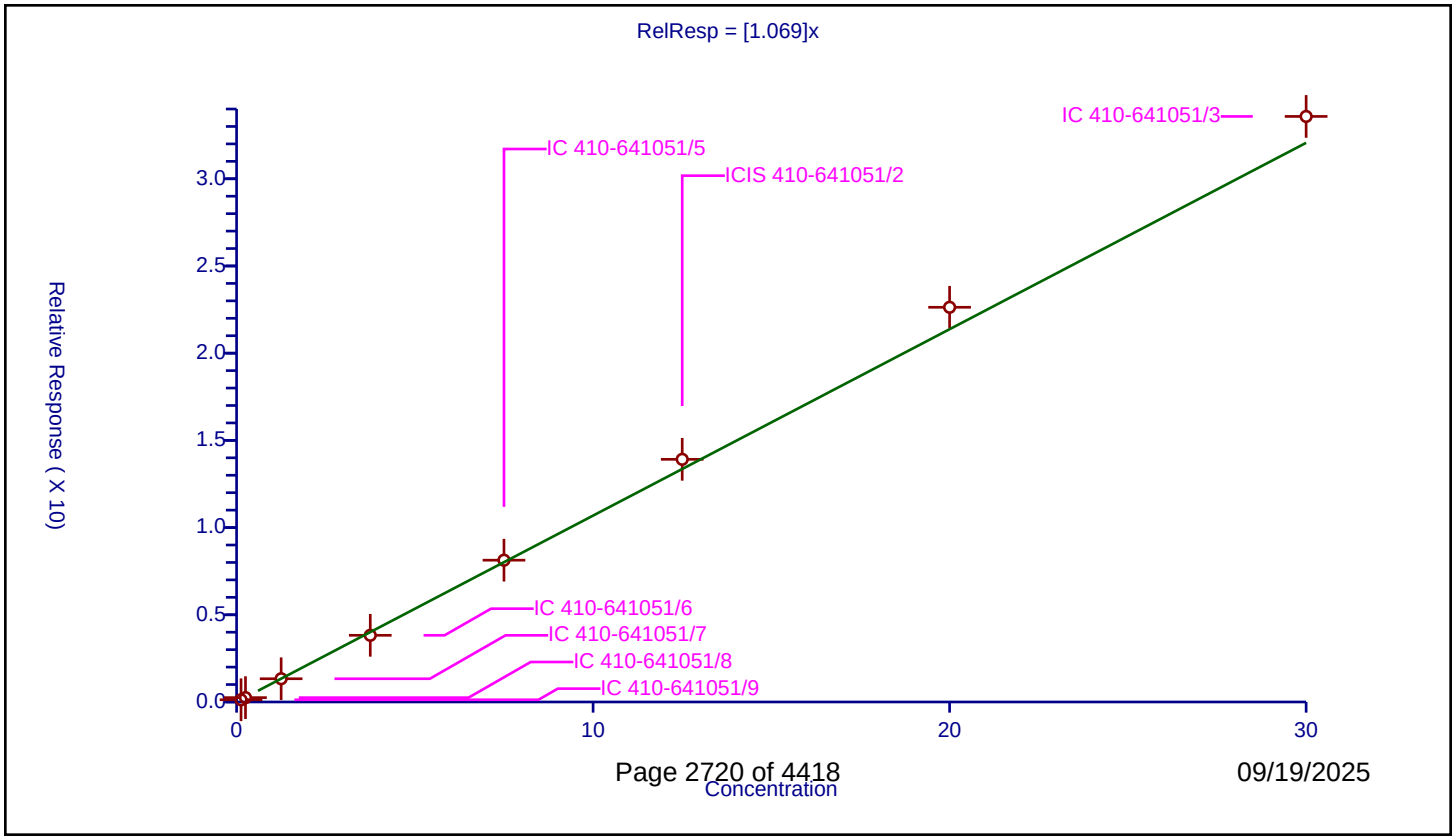
Curve Coefficients

Intercept:	0
Slope:	1.069

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.12724	5.0	691214.0	1.017919	Y
2	IC 410-641051/8	0.25	0.249499	5.0	678080.0	0.997994	Y
3	IC 410-641051/7	1.25	1.33261	5.0	655447.0	1.066088	Y
4	IC 410-641051/6	3.75	3.823344	5.0	705780.0	1.019559	Y
5	IC 410-641051/5	7.5	8.130924	5.0	699161.0	1.084123	Y
6	ICIS 410-641051/2	12.5	13.913974	5.0	831564.0	1.113118	Y
7	IC 410-641051/4	20.0	22.632052	5.0	737191.0	1.131603	Y
8	IC 410-641051/3	30.0	33.574309	5.0	693092.0	1.119144	Y



09/19/2025

Calibration / 2-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

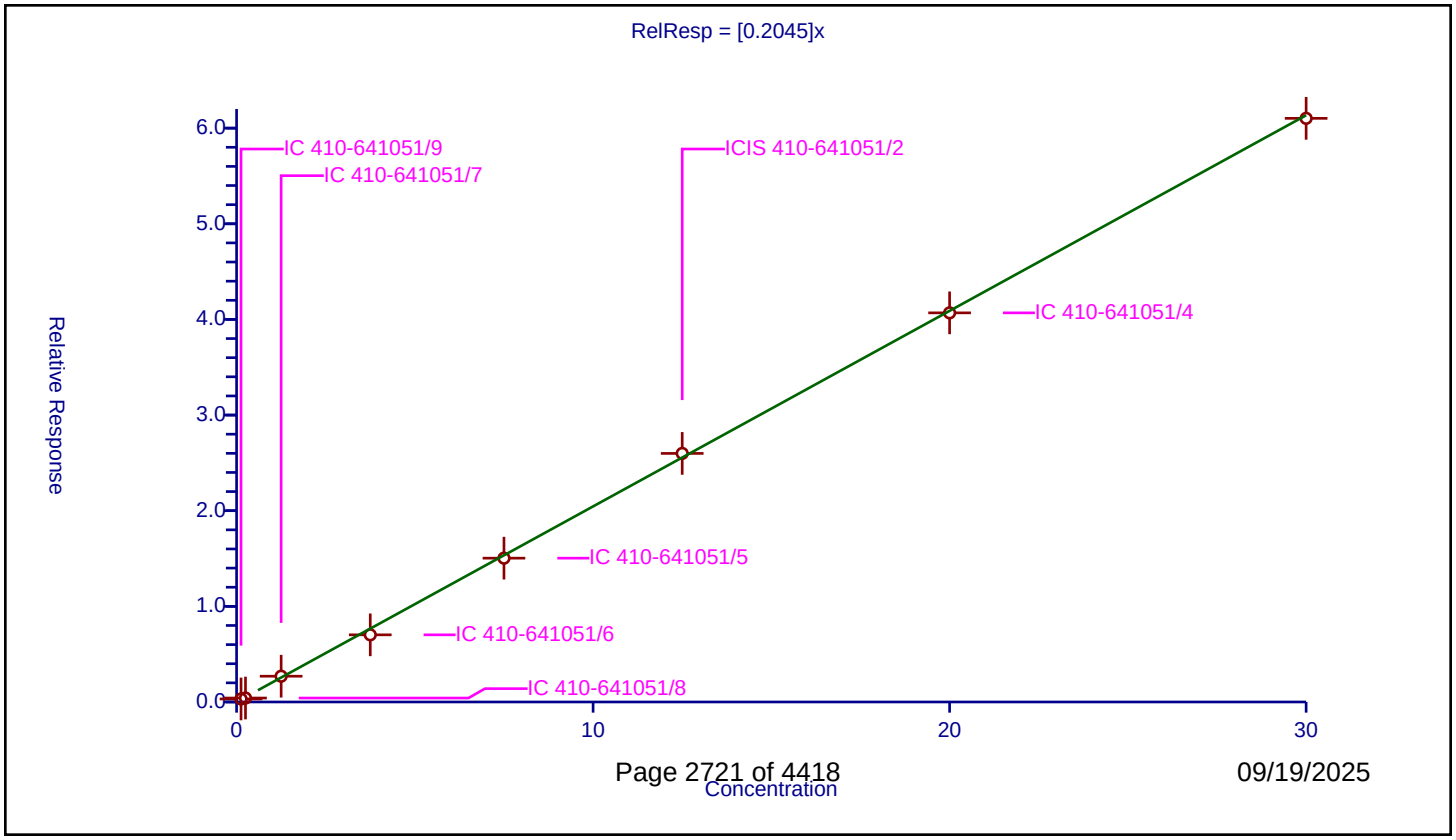
Curve Coefficients

Intercept:	0
Slope:	0.2045

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.03156	5.0	691214.0	0.252483	Y
2	IC 410-641051/8	0.25	0.041293	5.0	678080.0	0.165172	Y
3	IC 410-641051/7	1.25	0.269541	5.0	655447.0	0.215633	Y
4	IC 410-641051/6	3.75	0.70223	5.0	705780.0	0.187261	Y
5	IC 410-641051/5	7.5	1.50386	5.0	699161.0	0.200515	Y
6	ICIS 410-641051/2	12.5	2.598976	5.0	831564.0	0.207918	Y
7	IC 410-641051/4	20.0	4.068572	5.0	737191.0	0.203429	Y
8	IC 410-641051/3	30.0	6.102509	5.0	693092.0	0.203417	Y



Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

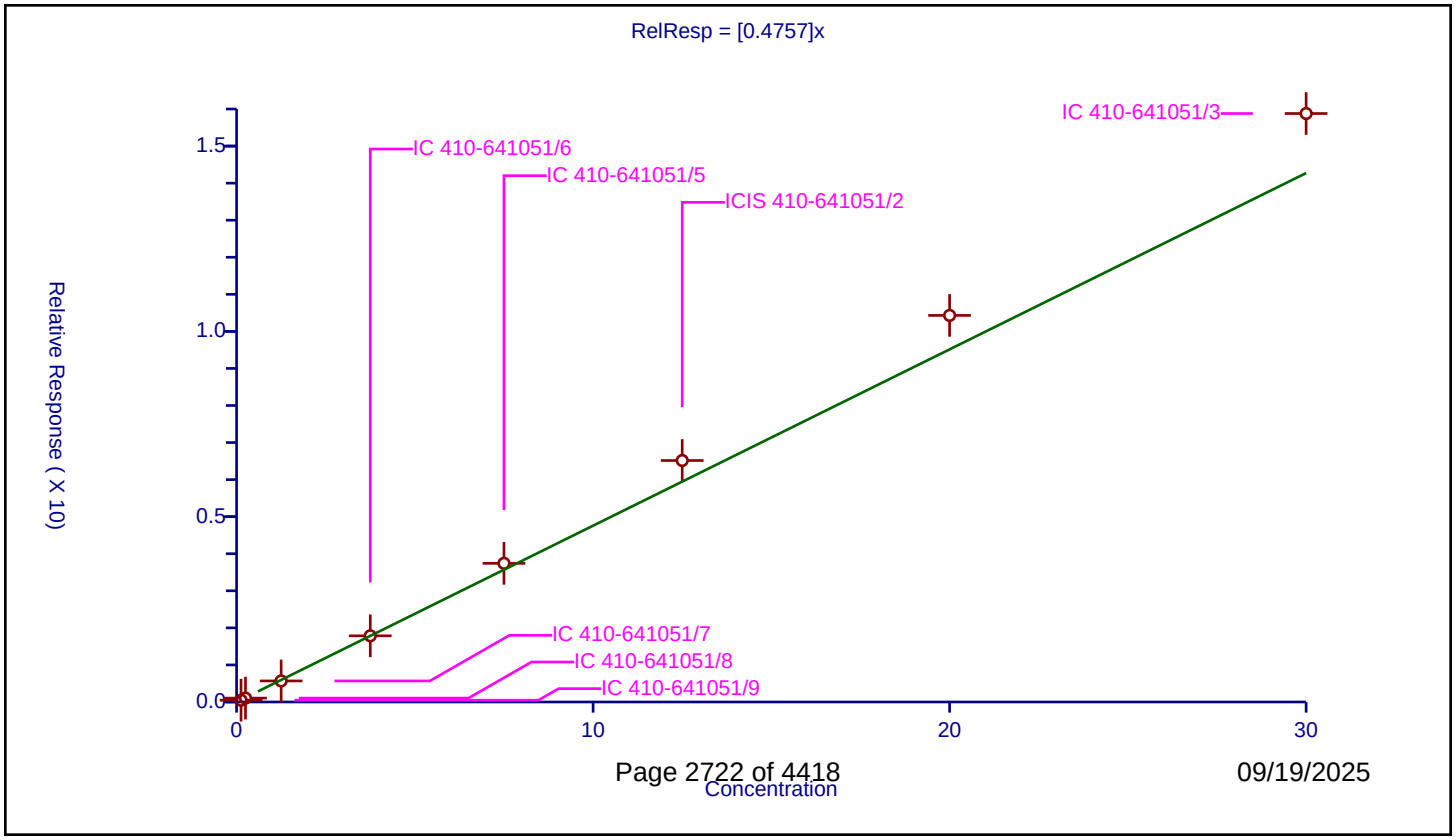
Curve Coefficients

Intercept:	0
Slope:	0.4757

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.048118	5.0	691214.0	0.384946	Y
2	IC 410-641051/8	0.25	0.104892	5.0	678080.0	0.419567	Y
3	IC 410-641051/7	1.25	0.56775	5.0	655447.0	0.4542	Y
4	IC 410-641051/6	3.75	1.785542	5.0	705780.0	0.476145	Y
5	IC 410-641051/5	7.5	3.741334	5.0	699161.0	0.498845	Y
6	ICIS 410-641051/2	12.5	6.515758	5.0	831564.0	0.521261	Y
7	IC 410-641051/4	20.0	10.430574	5.0	737191.0	0.521529	Y
8	IC 410-641051/3	30.0	15.87808	5.0	693092.0	0.529269	Y



09/19/2025

Calibration

/ o,o',o''-Triethylphosphorothioate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

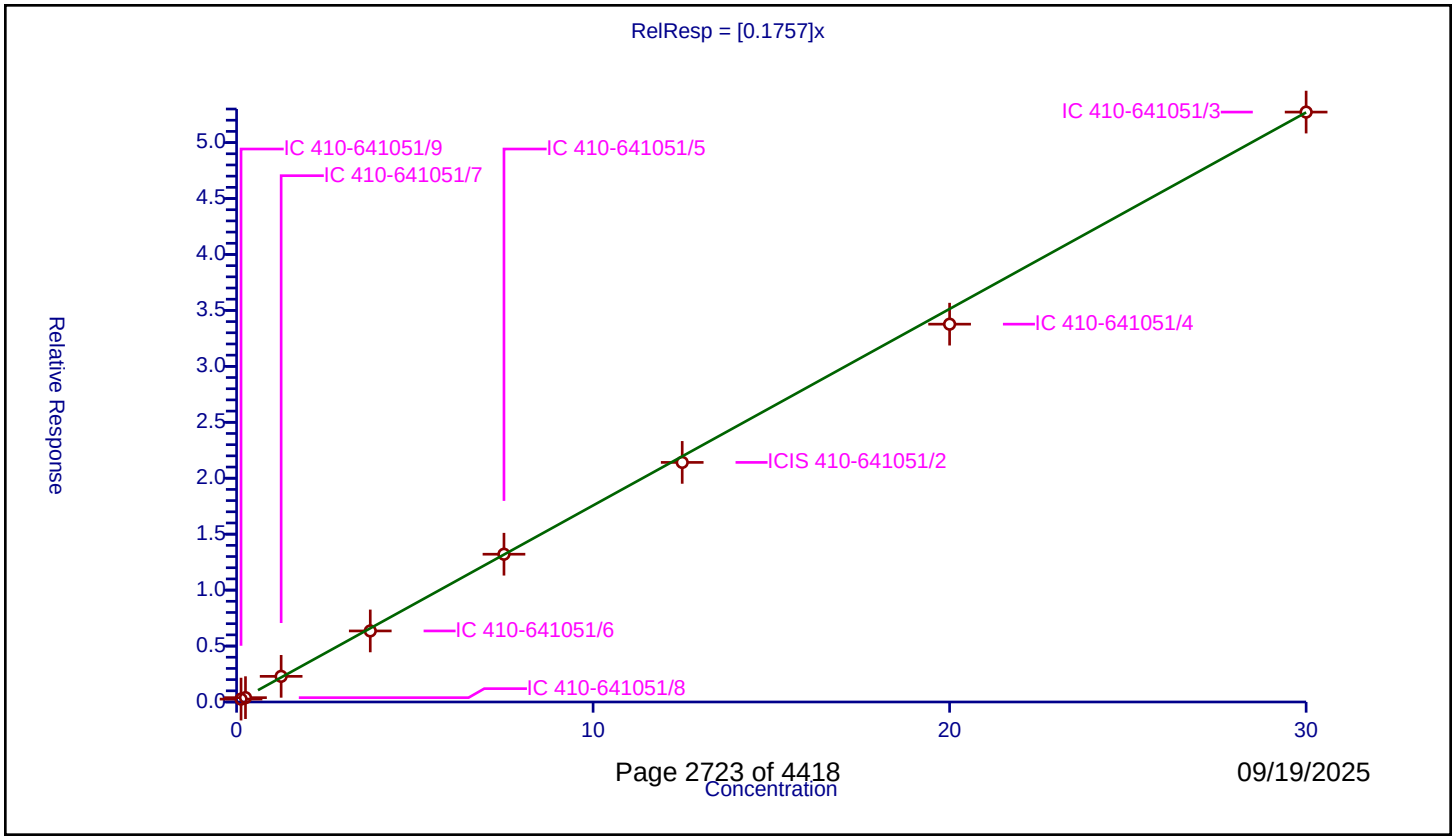
Curve Coefficients

Intercept:	0
Slope:	0.1757

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.025752	5.0	691214.0	0.206014	Y
2	IC 410-641051/8	0.25	0.038631	5.0	678080.0	0.154525	Y
3	IC 410-641051/7	1.25	0.229195	5.0	655447.0	0.183356	Y
4	IC 410-641051/6	3.75	0.634985	5.0	705780.0	0.169329	Y
5	IC 410-641051/5	7.5	1.320912	5.0	699161.0	0.176122	Y
6	ICIS 410-641051/2	12.5	2.141477	5.0	831564.0	0.171318	Y
7	IC 410-641051/4	20.0	3.376995	5.0	737191.0	0.16885	Y
8	IC 410-641051/3	30.0	5.272475	5.0	693092.0	0.175749	Y



Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

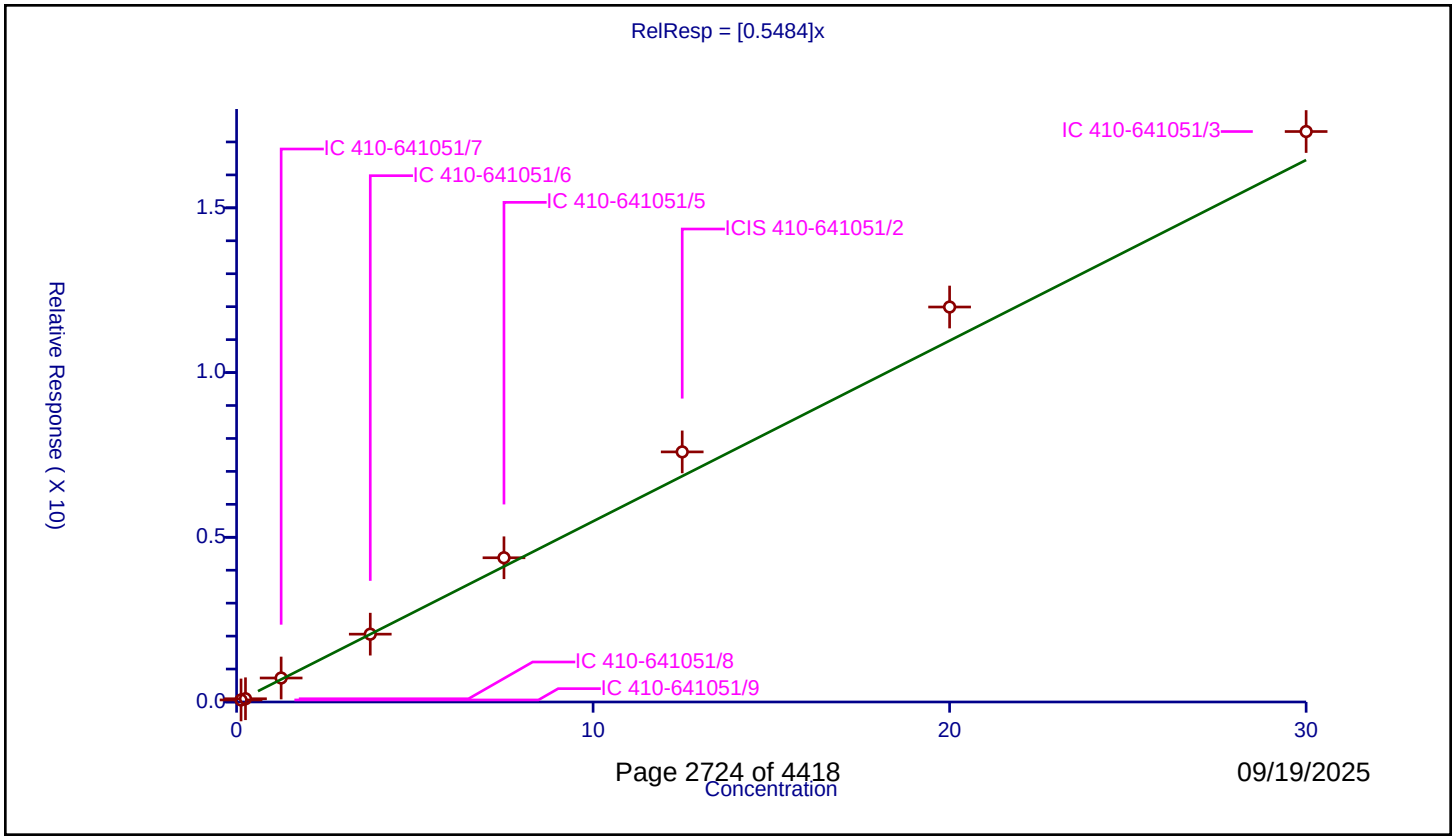
Curve Coefficients

Intercept:	0
Slope:	0.5484

Error Coefficients

Relative Standard Deviation:	13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.061595	5.0	691214.0	0.492756	Y
2	IC 410-641051/8	0.25	0.098698	5.0	678080.0	0.394791	Y
3	IC 410-641051/7	1.25	0.728358	5.0	655447.0	0.582686	Y
4	IC 410-641051/6	3.75	2.059296	5.0	705780.0	0.549146	Y
5	IC 410-641051/5	7.5	4.378198	5.0	699161.0	0.58376	Y
6	ICIS 410-641051/2	12.5	7.591725	5.0	831564.0	0.607338	Y
7	IC 410-641051/4	20.0	11.989918	5.0	737191.0	0.599496	Y
8	IC 410-641051/3	30.0	17.317023	5.0	693092.0	0.577234	Y



Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

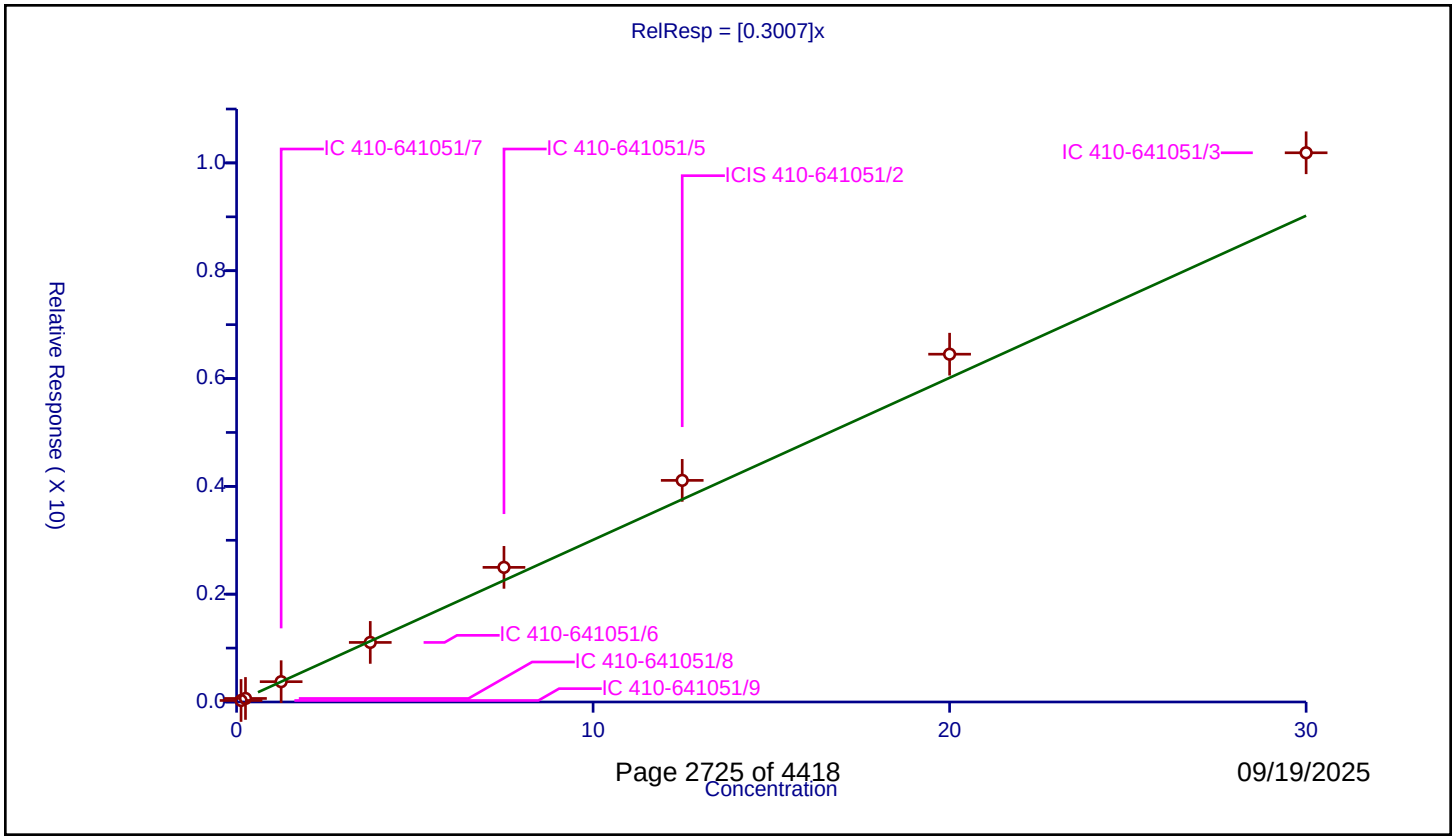
Curve Coefficients

Intercept:	0
Slope:	0.3007

Error Coefficients

Relative Standard Deviation:	13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.027922	5.0	691214.0	0.223375	Y
2	IC 410-641051/8	0.25	0.065494	5.0	678080.0	0.261975	Y
3	IC 410-641051/7	1.25	0.37688	5.0	655447.0	0.301504	Y
4	IC 410-641051/6	3.75	1.105068	5.0	705780.0	0.294685	Y
5	IC 410-641051/5	7.5	2.4973	5.0	699161.0	0.332973	Y
6	ICIS 410-641051/2	12.5	4.110856	5.0	831564.0	0.328868	Y
7	IC 410-641051/4	20.0	6.451768	5.0	737191.0	0.322588	Y
8	IC 410-641051/3	30.0	10.188106	5.0	693092.0	0.339604	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

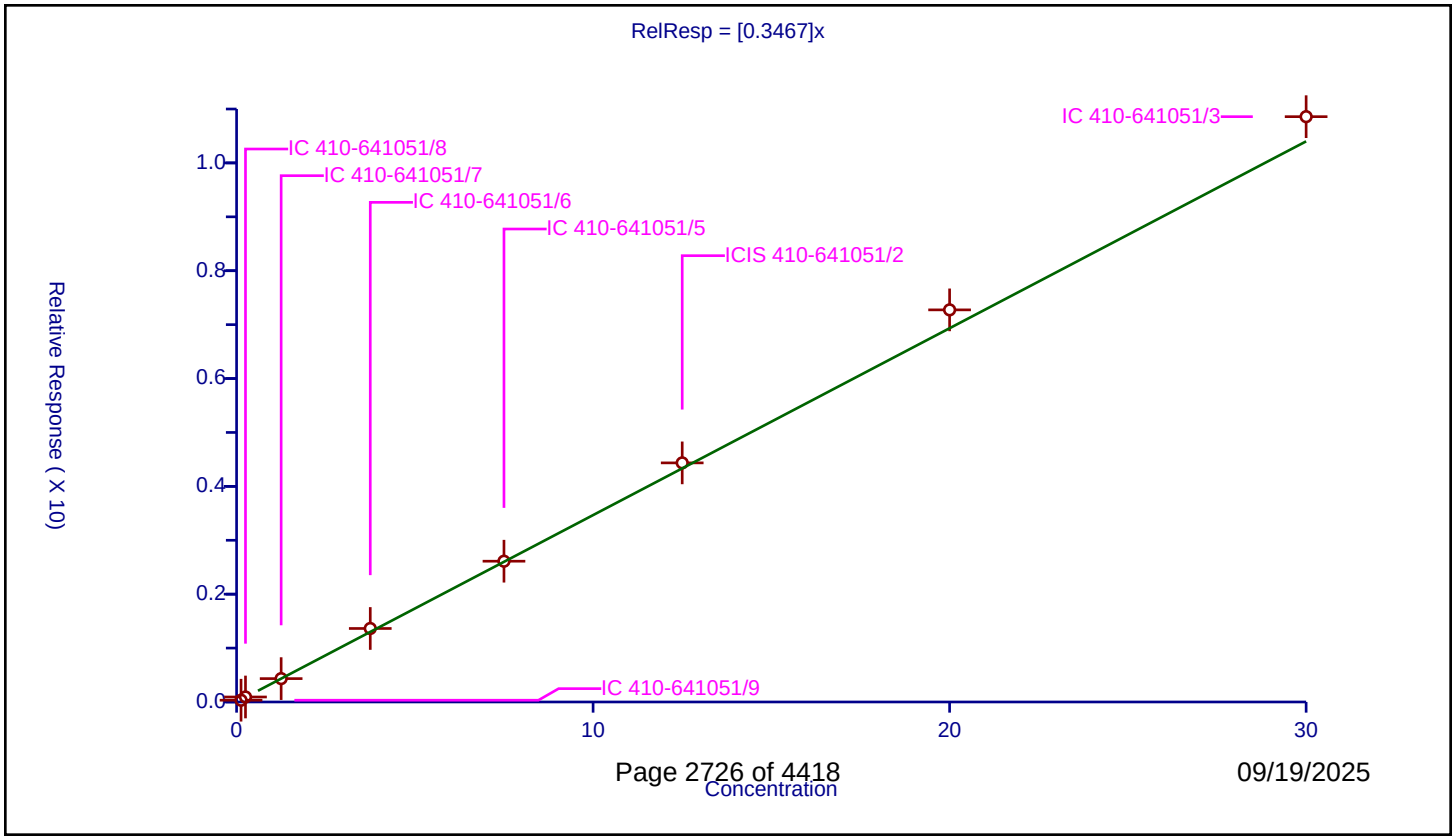
Curve Coefficients

Intercept:	0
Slope:	0.3467

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.032949	5.0	691214.0	0.263594	Y
2	IC 410-641051/8	0.25	0.092637	5.0	678080.0	0.370546	Y
3	IC 410-641051/7	1.25	0.433567	5.0	655447.0	0.346853	Y
4	IC 410-641051/6	3.75	1.363669	5.0	705780.0	0.363645	Y
5	IC 410-641051/5	7.5	2.611895	5.0	699161.0	0.348253	Y
6	ICIS 410-641051/2	12.5	4.435564	5.0	831564.0	0.354845	Y
7	IC 410-641051/4	20.0	7.274139	5.0	737191.0	0.363707	Y
8	IC 410-641051/3	30.0	10.858082	5.0	693092.0	0.361936	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

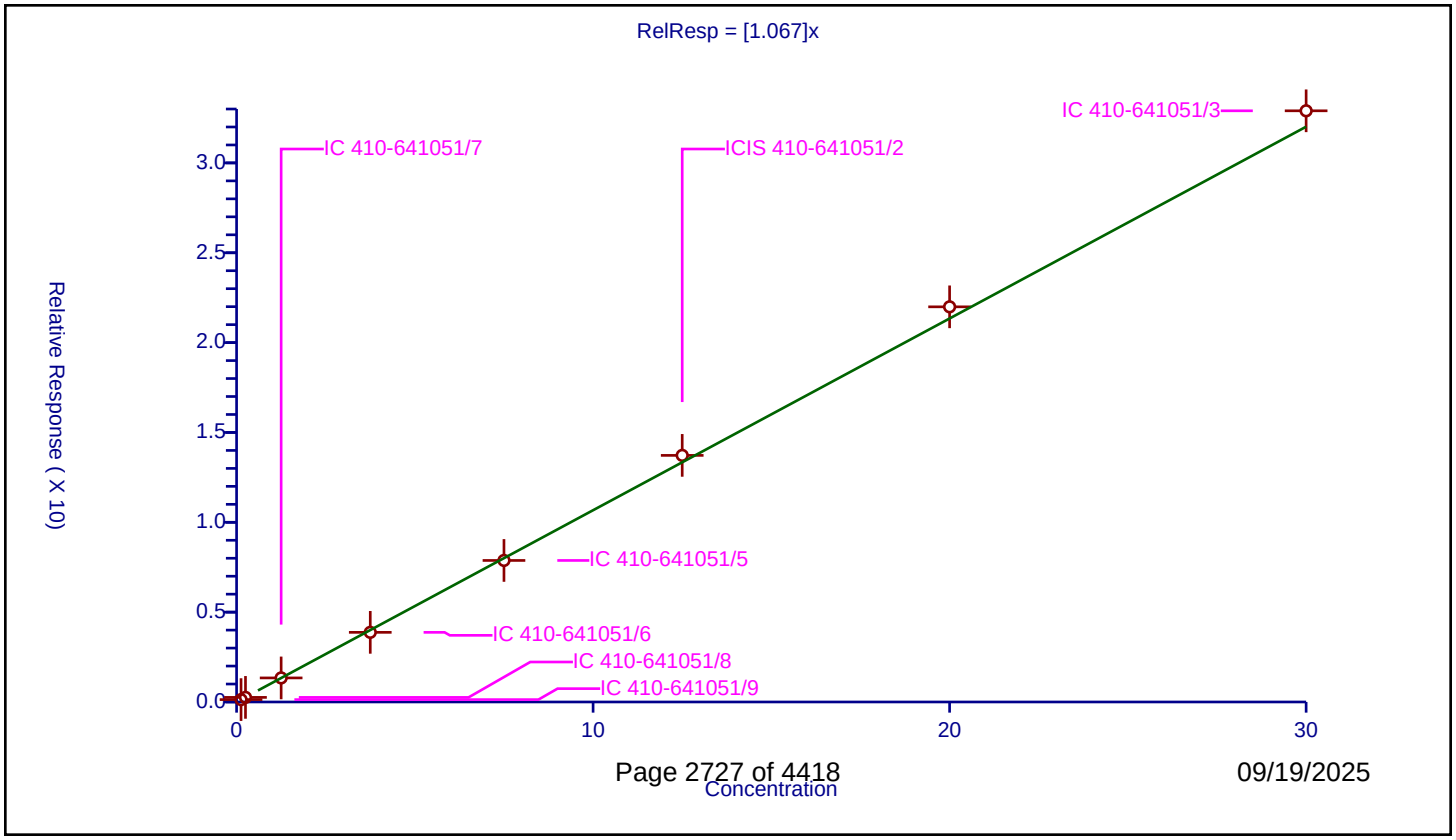
Curve Coefficients

Intercept:	0
Slope:	1.067

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.133099	5.0	691214.0	1.064793	Y
2	IC 410-641051/8	0.25	0.2557	5.0	678080.0	1.0228	Y
3	IC 410-641051/7	1.25	1.339277	5.0	655447.0	1.071421	Y
4	IC 410-641051/6	3.75	3.875939	5.0	705780.0	1.033584	Y
5	IC 410-641051/5	7.5	7.877141	5.0	699161.0	1.050286	Y
6	ICIS 410-641051/2	12.5	13.723929	5.0	831564.0	1.097914	Y
7	IC 410-641051/4	20.0	21.991926	5.0	737191.0	1.099596	Y
8	IC 410-641051/3	30.0	32.89999	5.0	693092.0	1.096666	Y



09/19/2025

Calibration / Alpha-Terpineol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

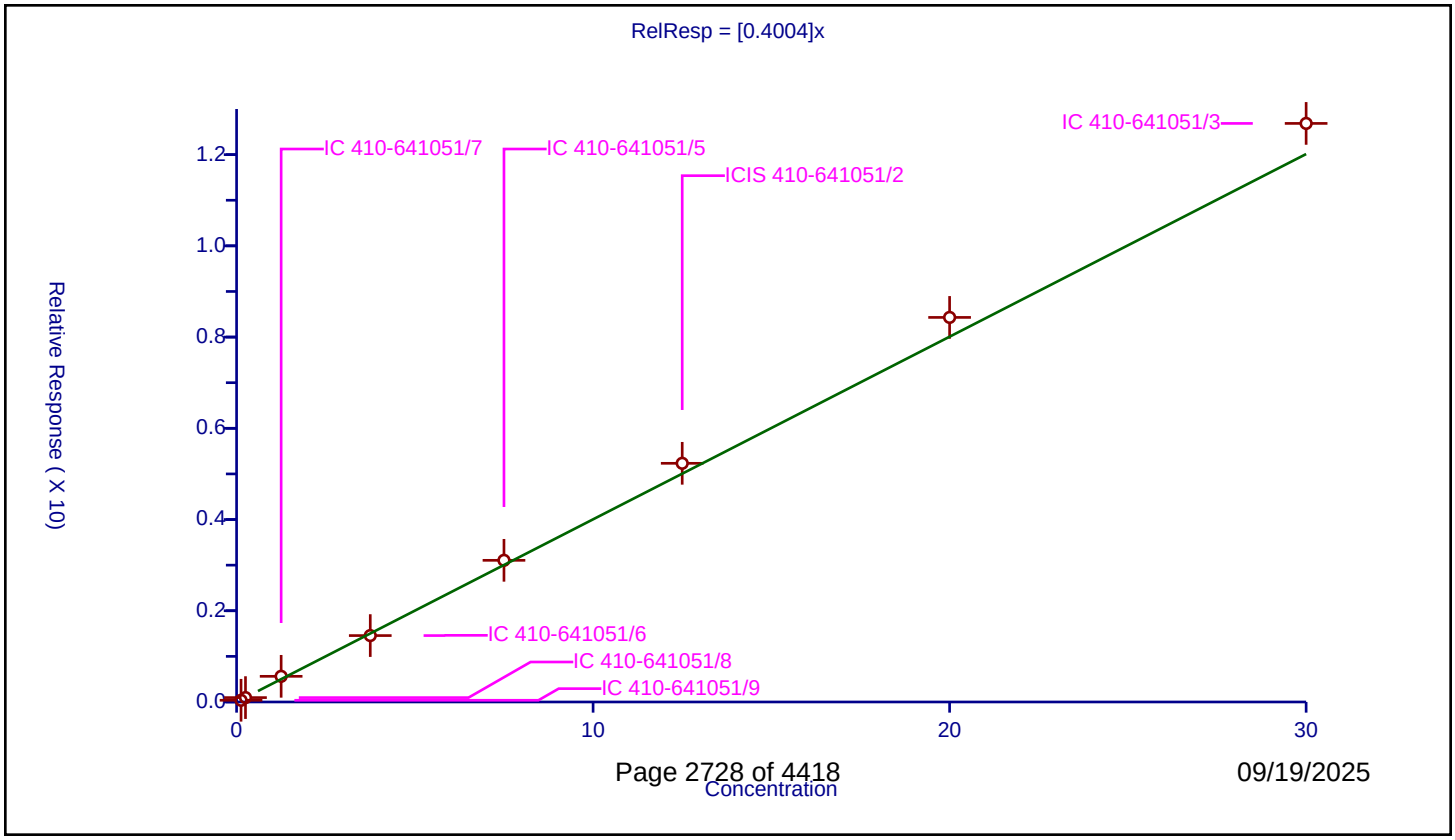
Curve Coefficients

Intercept:	0
Slope:	0.4004

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.037839	5.0	691214.0	0.302714	Y
2	IC 410-641051/8	0.25	0.096228	5.0	678080.0	0.38491	Y
3	IC 410-641051/7	1.25	0.562967	5.0	655447.0	0.450374	Y
4	IC 410-641051/6	3.75	1.456077	5.0	705780.0	0.388287	Y
5	IC 410-641051/5	7.5	3.105644	5.0	699161.0	0.414086	Y
6	ICIS 410-641051/2	12.5	5.232796	5.0	831564.0	0.418624	Y
7	IC 410-641051/4	20.0	8.431444	5.0	737191.0	0.421572	Y
8	IC 410-641051/3	30.0	12.684038	5.0	693092.0	0.422801	Y



09/19/2025

Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

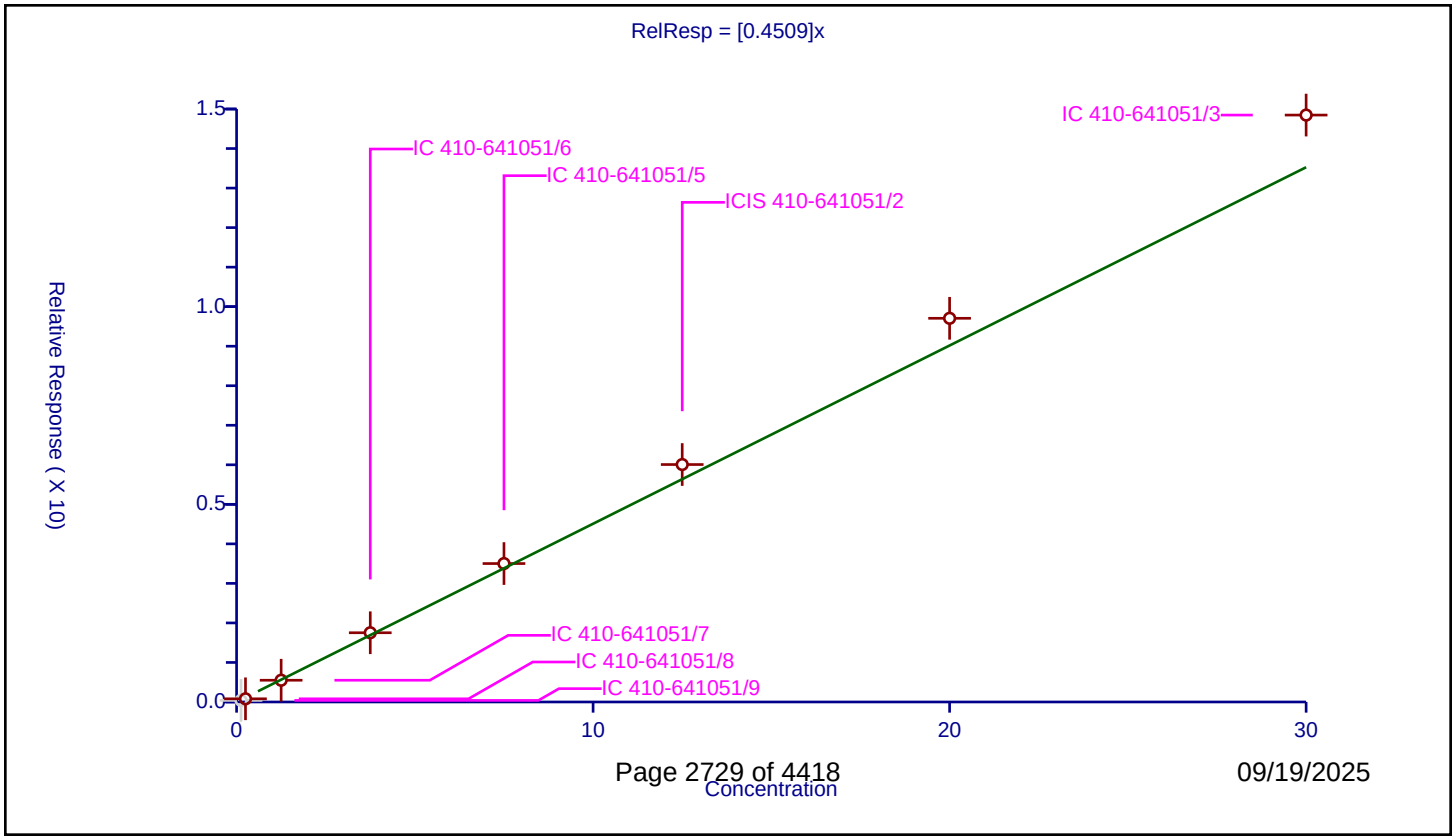
Curve Coefficients

Intercept:	0
Slope:	0.4509

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.040241	5.0	691214.0	0.321926	N
2	IC 410-641051/8	0.25	0.080367	5.0	678080.0	0.321466	Y
3	IC 410-641051/7	1.25	0.550144	5.0	655447.0	0.440115	Y
4	IC 410-641051/6	3.75	1.751509	5.0	705780.0	0.467069	Y
5	IC 410-641051/5	7.5	3.501819	5.0	699161.0	0.466909	Y
6	ICIS 410-641051/2	12.5	6.006603	5.0	831564.0	0.480528	Y
7	IC 410-641051/4	20.0	9.706263	5.0	737191.0	0.485313	Y
8	IC 410-641051/3	30.0	14.846709	5.0	693092.0	0.49489	Y



09/19/2025

Calibration / 2,6-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

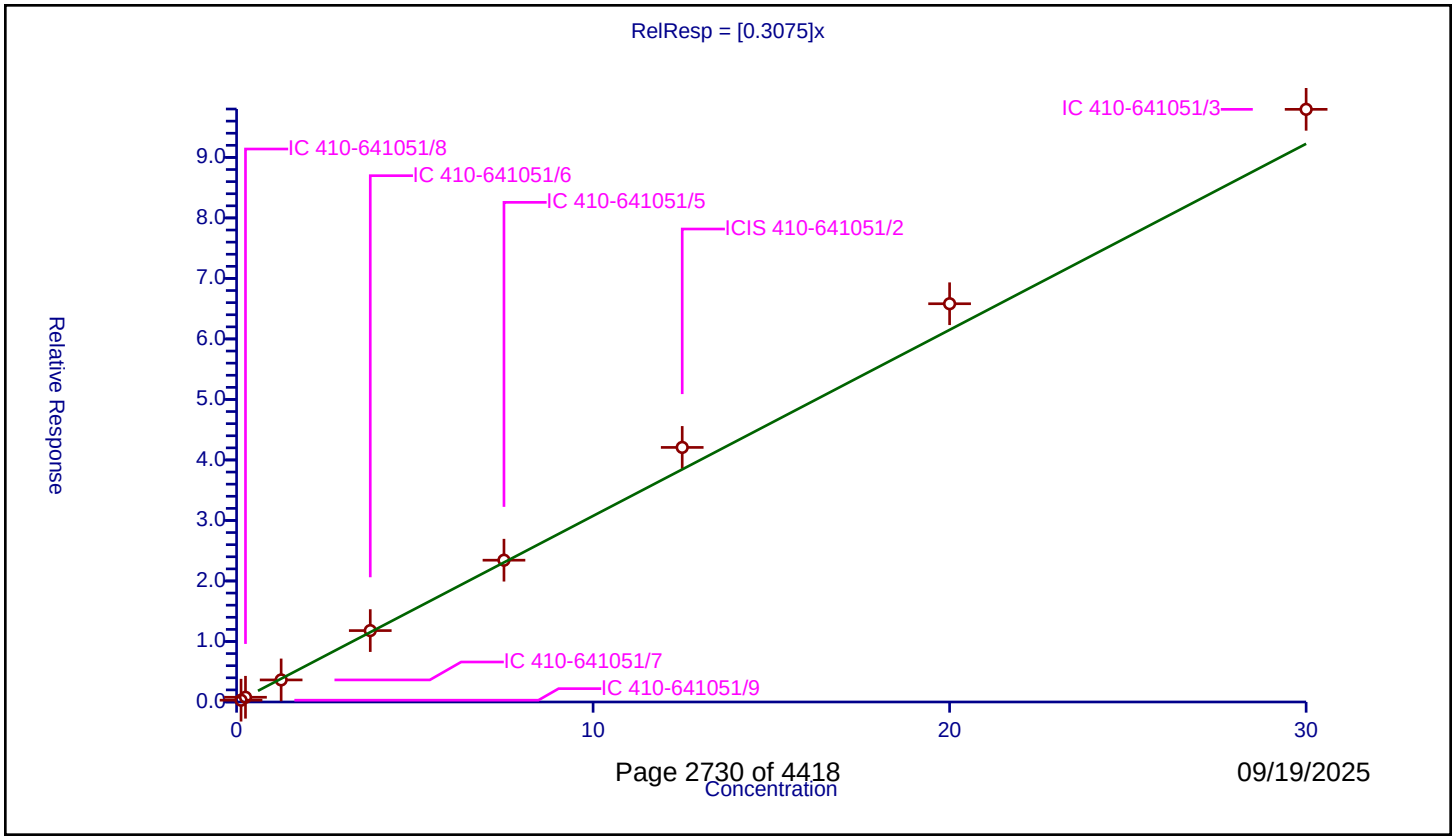
Curve Coefficients

Intercept:	0
Slope:	0.3075

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.029578	5.0	691214.0	0.236627	Y
2	IC 410-641051/8	0.25	0.078118	5.0	678080.0	0.312471	Y
3	IC 410-641051/7	1.25	0.364644	5.0	655447.0	0.291715	Y
4	IC 410-641051/6	3.75	1.17995	5.0	705780.0	0.314653	Y
5	IC 410-641051/5	7.5	2.34353	5.0	699161.0	0.312471	Y
6	ICIS 410-641051/2	12.5	4.207457	5.0	831564.0	0.336597	Y
7	IC 410-641051/4	20.0	6.581754	5.0	737191.0	0.329088	Y
8	IC 410-641051/3	30.0	9.794804	5.0	693092.0	0.326493	Y



Calibration / Hexachloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

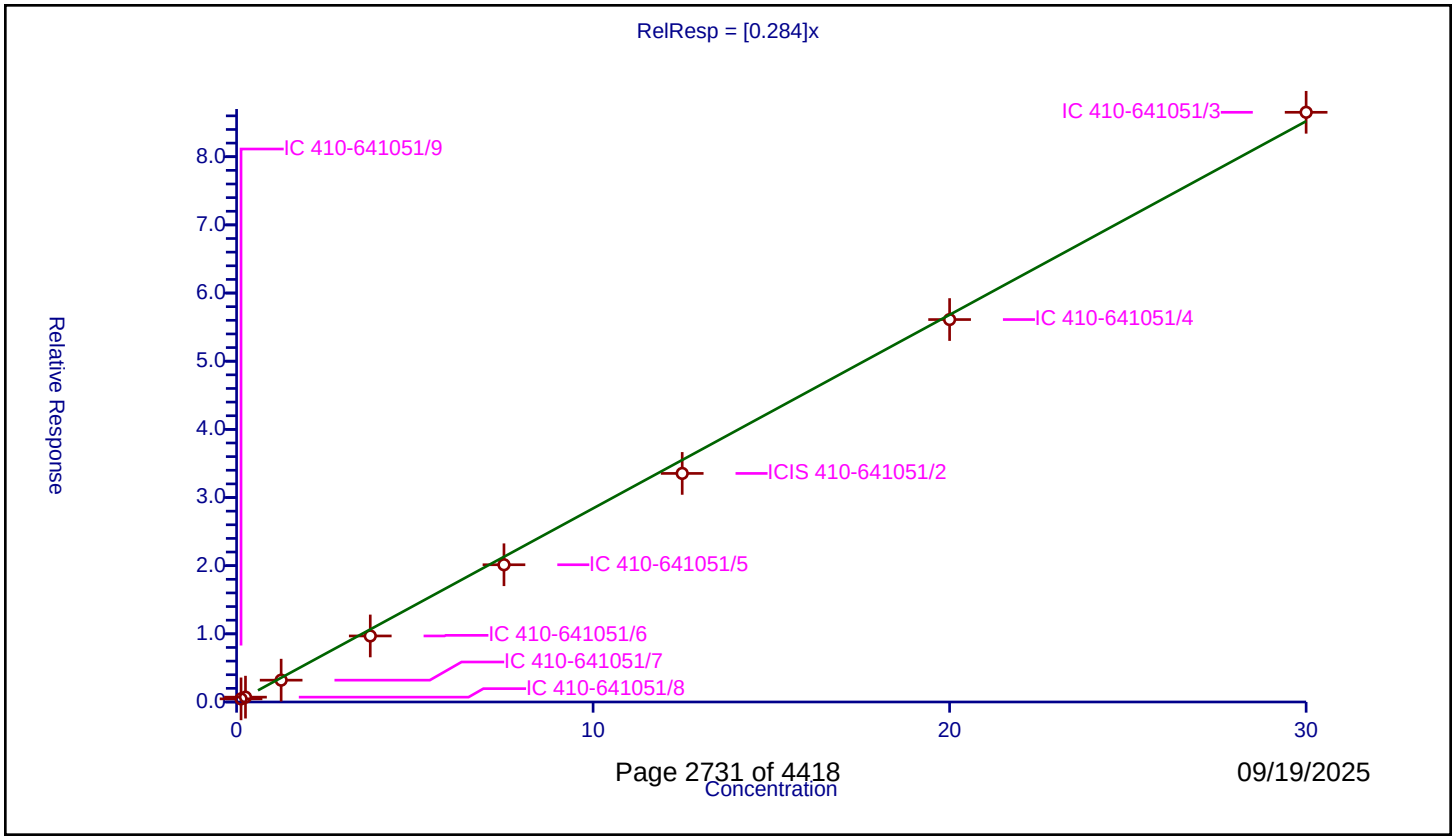
Curve Coefficients

Intercept:	0
Slope:	0.284

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.046049	5.0	691214.0	0.368395	Y
2	IC 410-641051/8	0.25	0.070899	5.0	678080.0	0.283595	Y
3	IC 410-641051/7	1.25	0.320346	5.0	655447.0	0.256277	Y
4	IC 410-641051/6	3.75	0.968744	5.0	705780.0	0.258332	Y
5	IC 410-641051/5	7.5	2.013571	5.0	699161.0	0.268476	Y
6	ICIS 410-641051/2	12.5	3.353488	5.0	831564.0	0.268279	Y
7	IC 410-641051/4	20.0	5.611103	5.0	737191.0	0.280555	Y
8	IC 410-641051/3	30.0	8.651781	5.0	693092.0	0.288393	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

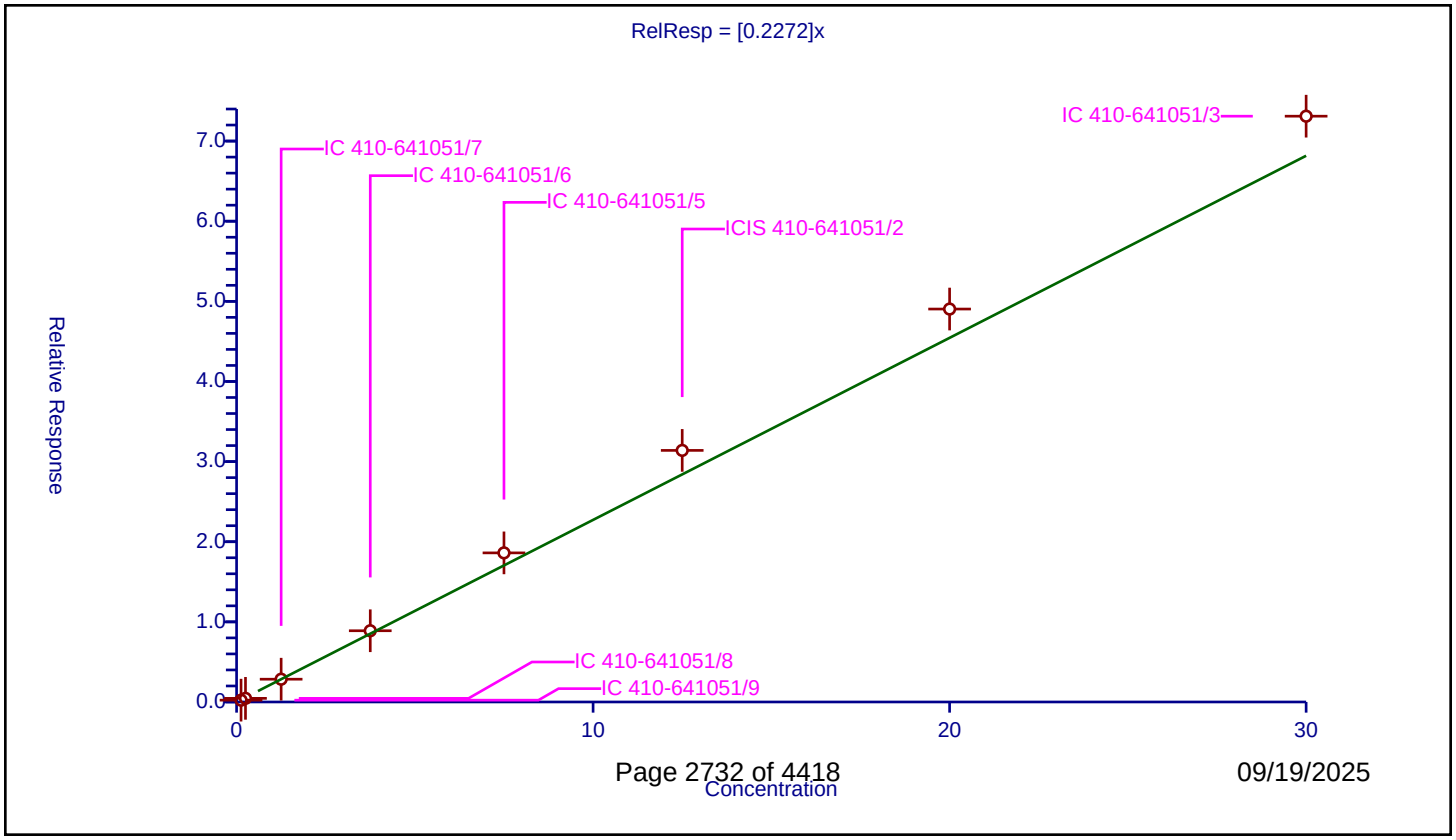
Curve Coefficients

Intercept:	0
Slope:	0.2272

Error Coefficients

Relative Standard Deviation:	12.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.022909	5.0	691214.0	0.183272	Y
2	IC 410-641051/8	0.25	0.045467	5.0	678080.0	0.181866	Y
3	IC 410-641051/7	1.25	0.284287	5.0	655447.0	0.22743	Y
4	IC 410-641051/6	3.75	0.888875	5.0	705780.0	0.237033	Y
5	IC 410-641051/5	7.5	1.860902	5.0	699161.0	0.24812	Y
6	ICIS 410-641051/2	12.5	3.139518	5.0	831564.0	0.251161	Y
7	IC 410-641051/4	20.0	4.903682	5.0	737191.0	0.245184	Y
8	IC 410-641051/3	30.0	7.31035	5.0	693092.0	0.243678	Y



09/19/2025

Calibration / Quinoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

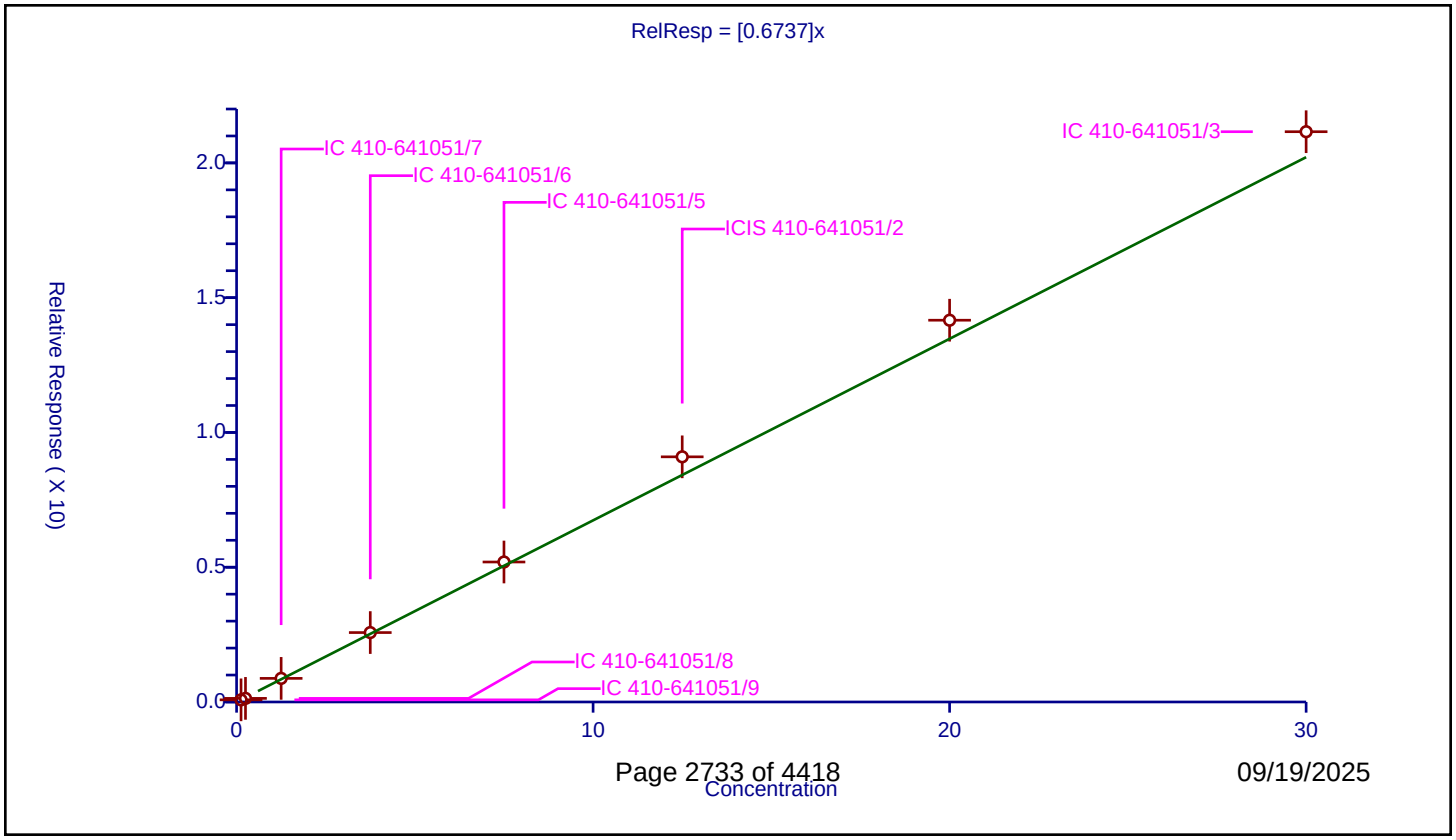
Curve Coefficients

Intercept:	0
Slope:	0.6737

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.079172	5.0	691214.0	0.633378	Y
2	IC 410-641051/8	0.25	0.133804	5.0	678080.0	0.535217	Y
3	IC 410-641051/7	1.25	0.87599	5.0	655447.0	0.700792	Y
4	IC 410-641051/6	3.75	2.575611	5.0	705780.0	0.68683	Y
5	IC 410-641051/5	7.5	5.194161	5.0	699161.0	0.692555	Y
6	ICIS 410-641051/2	12.5	9.095987	5.0	831564.0	0.727679	Y
7	IC 410-641051/4	20.0	14.163948	5.0	737191.0	0.708197	Y
8	IC 410-641051/3	30.0	21.158266	5.0	693092.0	0.705276	Y



Calibration / Caprolactam

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

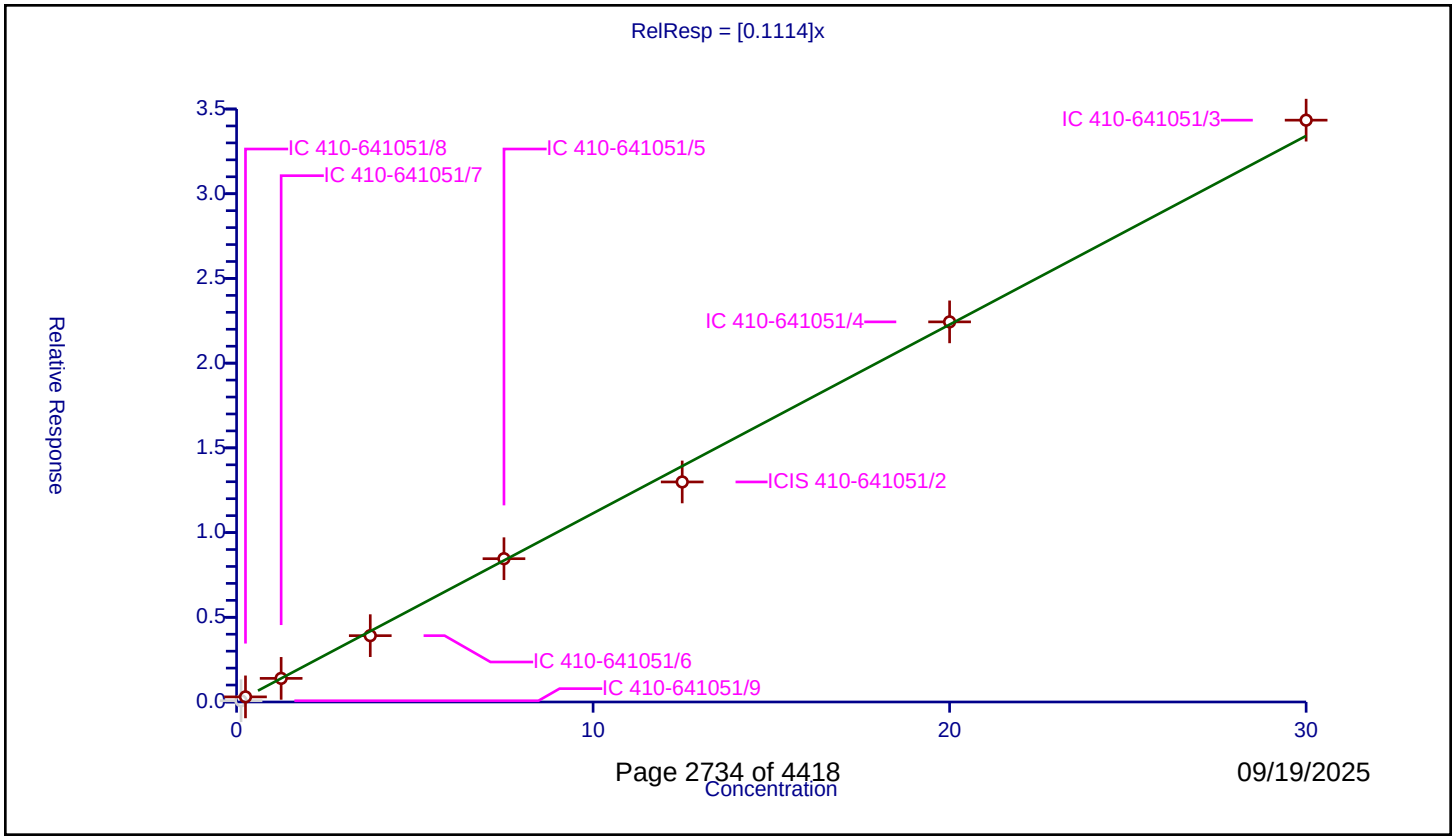
Curve Coefficients

Intercept:	0
Slope:	0.1114

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.007292	5.0	691214.0	0.058332	N
2	IC 410-641051/8	0.25	0.030107	5.0	678080.0	0.120428	Y
3	IC 410-641051/7	1.25	0.139432	5.0	655447.0	0.111545	Y
4	IC 410-641051/6	3.75	0.391461	5.0	705780.0	0.104389	Y
5	IC 410-641051/5	7.5	0.84585	5.0	699161.0	0.11278	Y
6	ICIS 410-641051/2	12.5	1.298788	5.0	831564.0	0.103903	Y
7	IC 410-641051/4	20.0	2.243632	5.0	737191.0	0.112182	Y
8	IC 410-641051/3	30.0	3.434191	5.0	693092.0	0.114473	Y



Calibration / N-Nitrosodi-n-butylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

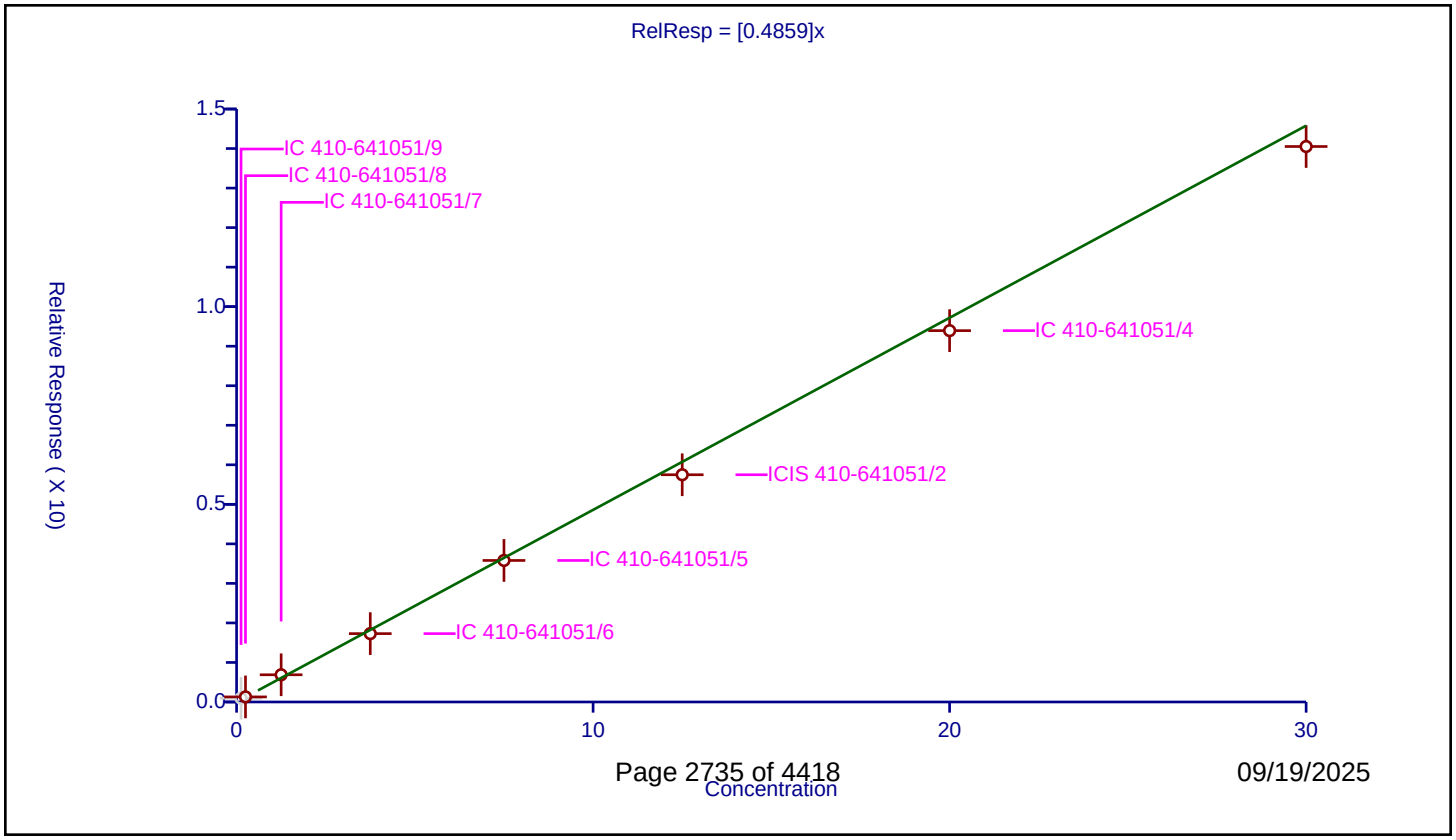
Curve Coefficients

Intercept:	0
Slope:	0.4859

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.095144	5.0	691214.0	0.761154	N
2	IC 410-641051/8	0.25	0.128643	5.0	678080.0	0.514571	Y
3	IC 410-641051/7	1.25	0.688255	5.0	655447.0	0.550604	Y
4	IC 410-641051/6	3.75	1.729257	5.0	705780.0	0.461135	Y
5	IC 410-641051/5	7.5	3.58037	5.0	699161.0	0.477383	Y
6	ICIS 410-641051/2	12.5	5.748493	5.0	831564.0	0.459879	Y
7	IC 410-641051/4	20.0	9.39359	5.0	737191.0	0.469679	Y
8	IC 410-641051/3	30.0	14.051677	5.0	693092.0	0.468389	Y



Calibration / p-Phenylene diamine

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

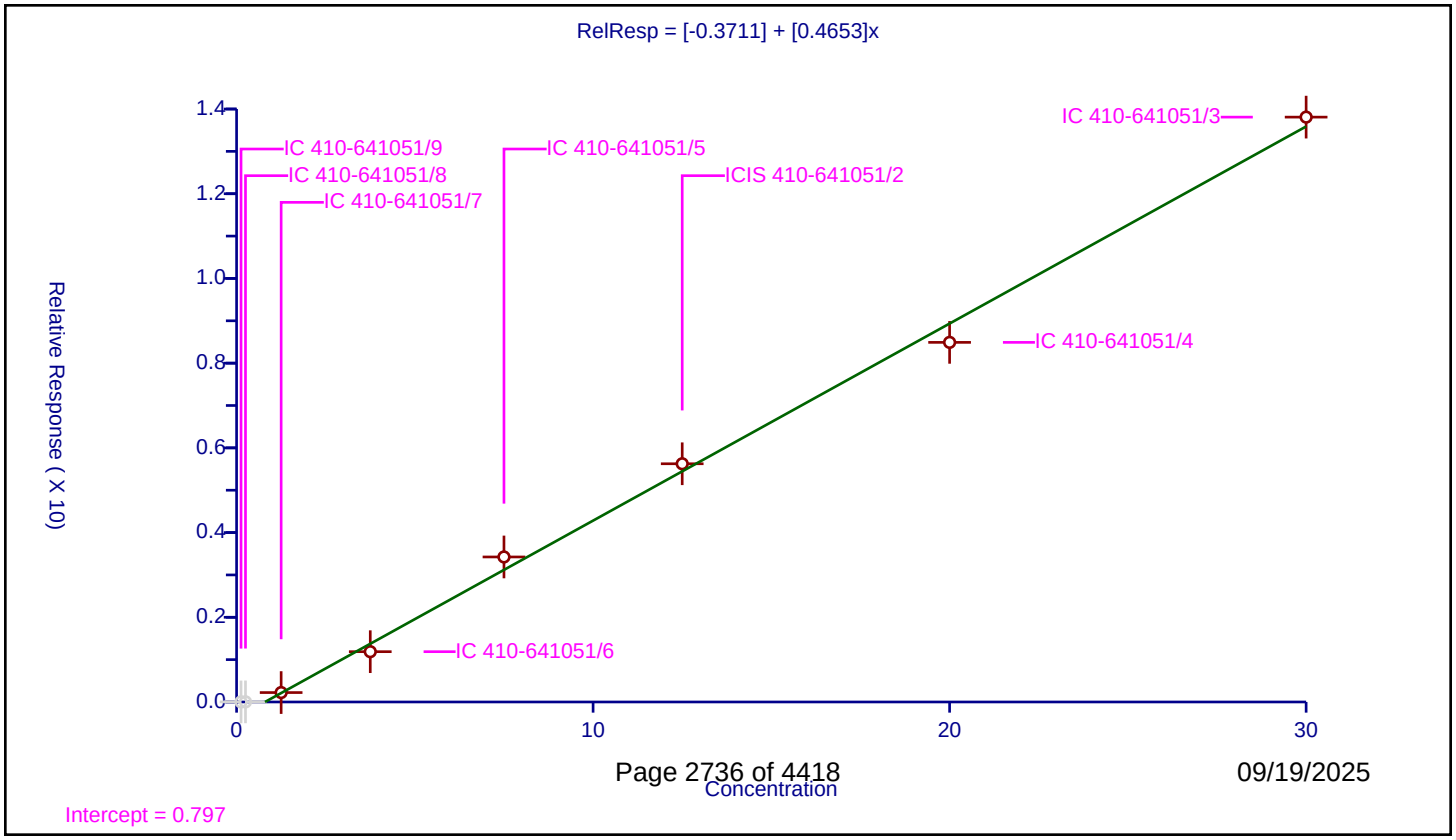
Curve Coefficients

Intercept:	-0.3711
Slope:	0.4653

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.001317	5.0	691214.0	0.010532	N
2	IC 410-641051/8	0.25	0.002913	5.0	678080.0	0.011651	N
3	IC 410-641051/7	1.25	0.222291	5.0	655447.0	0.177833	Y
4	IC 410-641051/6	3.75	1.187849	5.0	705780.0	0.31676	Y
5	IC 410-641051/5	7.5	3.424075	5.0	699161.0	0.456543	Y
6	ICIS 410-641051/2	12.5	5.624306	5.0	831564.0	0.449944	Y
7	IC 410-641051/4	20.0	8.49052	5.0	737191.0	0.424526	Y
8	IC 410-641051/3	30.0	13.808383	5.0	693092.0	0.460279	Y



Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

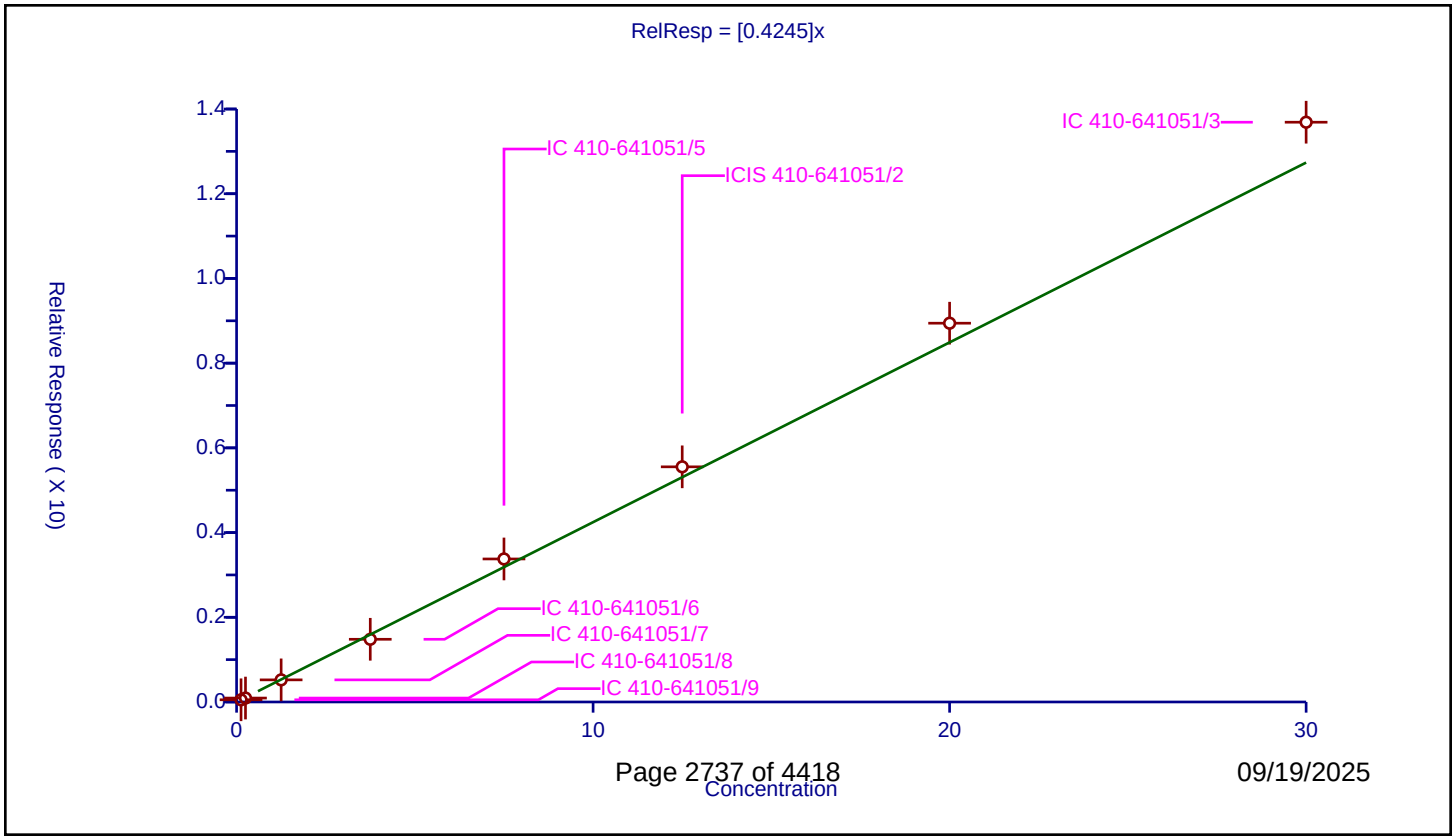
Curve Coefficients

Intercept:	0
Slope:	0.4245

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.051858	5.0	691214.0	0.414864	Y
2	IC 410-641051/8	0.25	0.092762	5.0	678080.0	0.371048	Y
3	IC 410-641051/7	1.25	0.522048	5.0	655447.0	0.417639	Y
4	IC 410-641051/6	3.75	1.480199	5.0	705780.0	0.39472	Y
5	IC 410-641051/5	7.5	3.376654	5.0	699161.0	0.450221	Y
6	ICIS 410-641051/2	12.5	5.552212	5.0	831564.0	0.444177	Y
7	IC 410-641051/4	20.0	8.942961	5.0	737191.0	0.447148	Y
8	IC 410-641051/3	30.0	13.688486	5.0	693092.0	0.456283	Y



Calibration / Safrole, Total

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

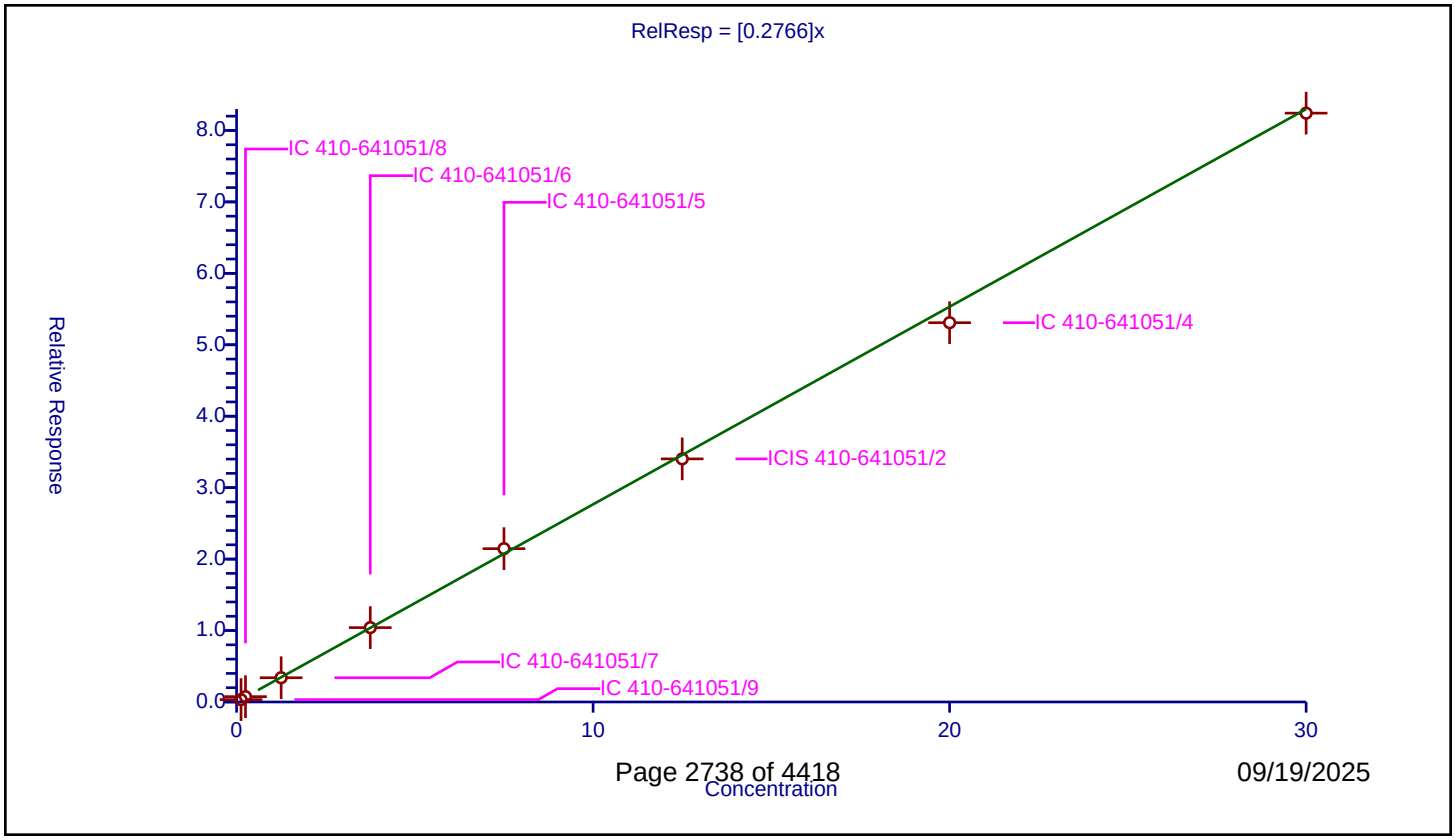
Curve Coefficients

Intercept:	0
Slope:	0.2766

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.033253	5.0	691214.0	0.266025	Y
2	IC 410-641051/8	0.25	0.074822	5.0	678080.0	0.299286	Y
3	IC 410-641051/7	1.25	0.339448	5.0	655447.0	0.271558	Y
4	IC 410-641051/6	3.75	1.040905	5.0	705780.0	0.277575	Y
5	IC 410-641051/5	7.5	2.146115	5.0	699161.0	0.286149	Y
6	ICIS 410-641051/2	12.5	3.402679	5.0	831564.0	0.272214	Y
7	IC 410-641051/4	20.0	5.309235	5.0	737191.0	0.265462	Y
8	IC 410-641051/3	30.0	8.242217	5.0	693092.0	0.274741	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

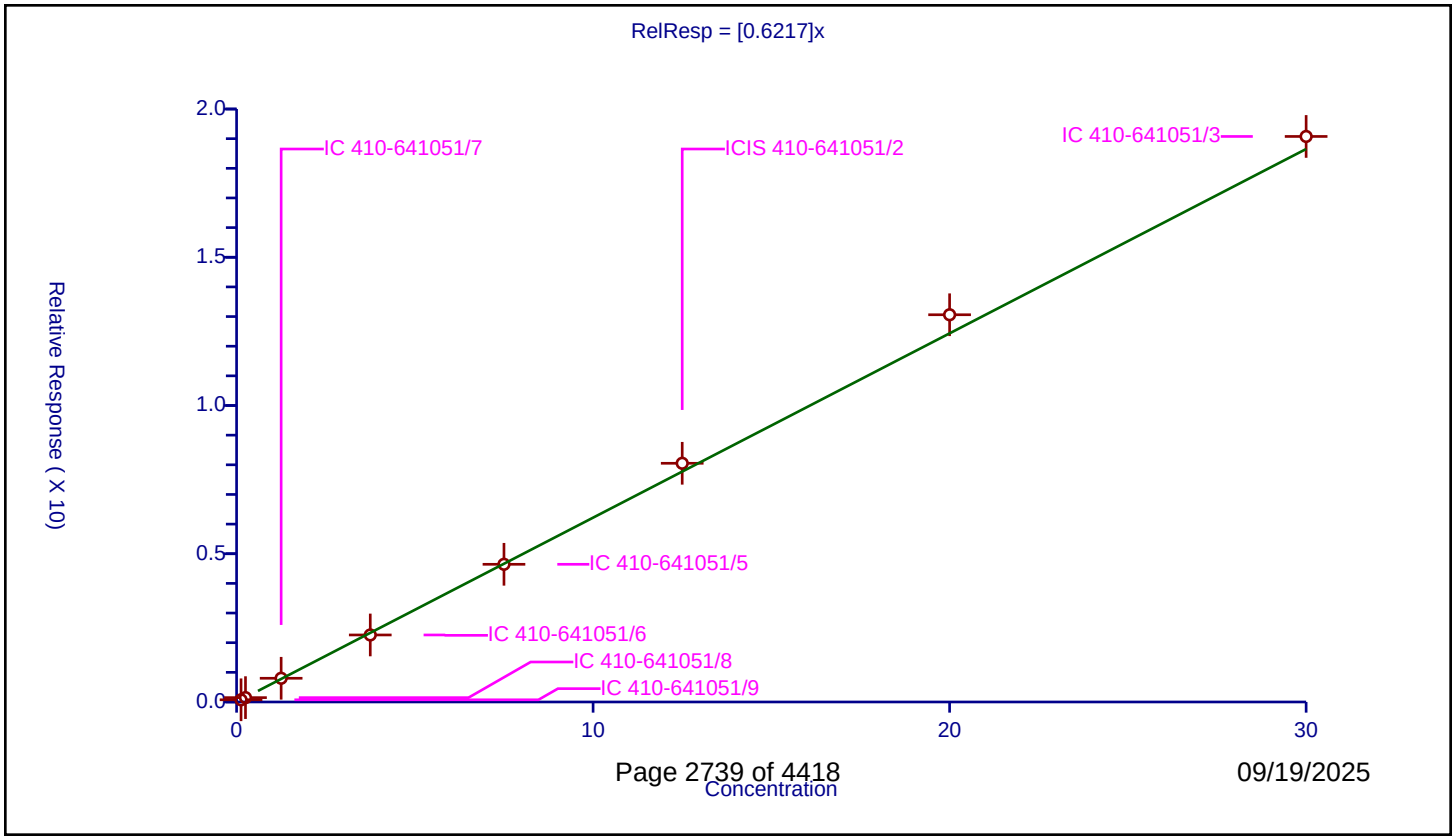
Curve Coefficients

Intercept:	0
Slope:	0.6217

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.073783	5.0	691214.0	0.590266	Y
2	IC 410-641051/8	0.25	0.146996	5.0	678080.0	0.587984	Y
3	IC 410-641051/7	1.25	0.800179	5.0	655447.0	0.640143	Y
4	IC 410-641051/6	3.75	2.260726	5.0	705780.0	0.60286	Y
5	IC 410-641051/5	7.5	4.644009	5.0	699161.0	0.619201	Y
6	ICIS 410-641051/2	12.5	8.051094	5.0	831564.0	0.644088	Y
7	IC 410-641051/4	20.0	13.060699	5.0	737191.0	0.653035	Y
8	IC 410-641051/3	30.0	19.074878	5.0	693092.0	0.635829	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

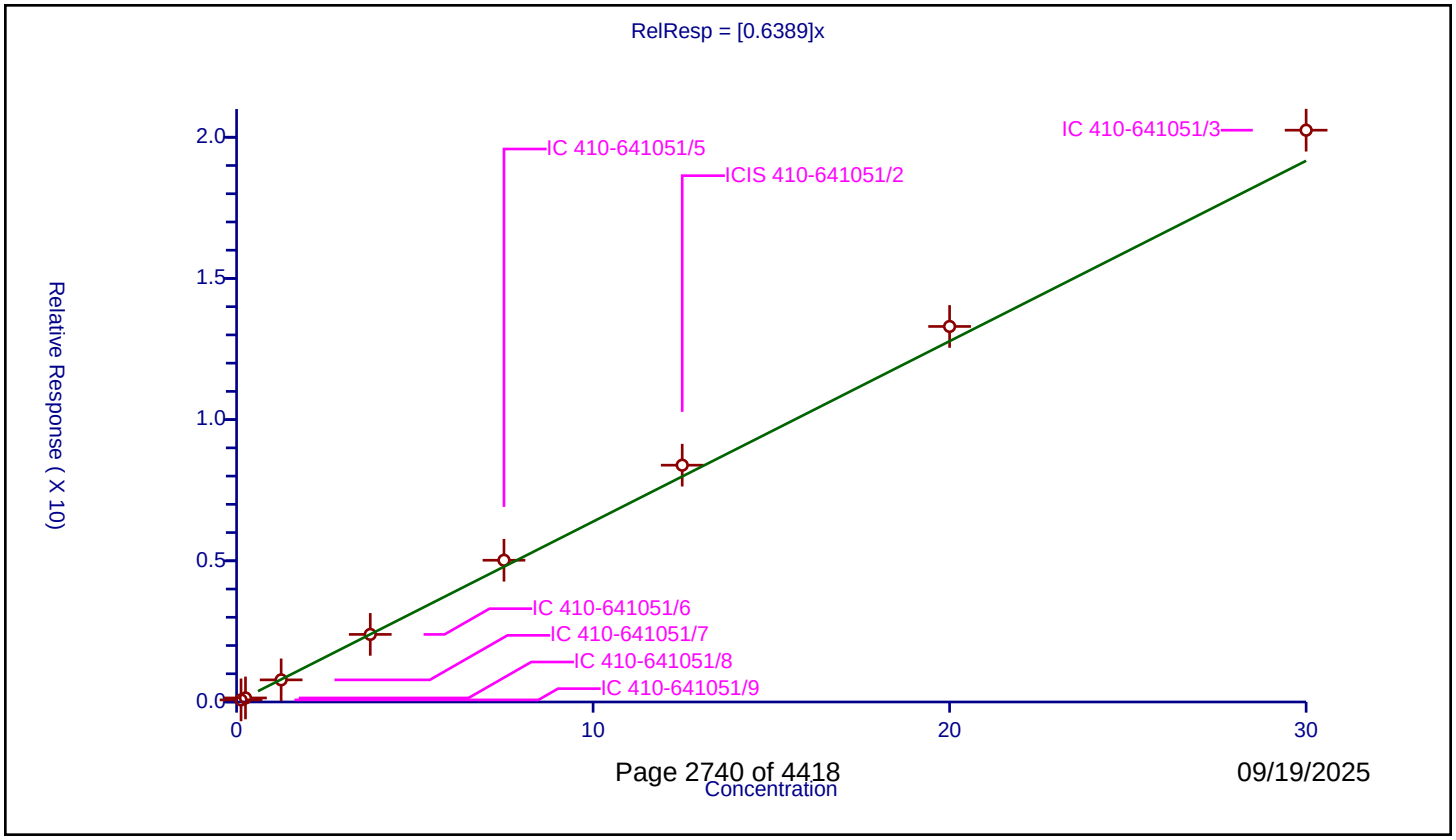
Curve Coefficients

Intercept:	0
Slope:	0.6389

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.074478	5.0	691214.0	0.595821	Y
2	IC 410-641051/8	0.25	0.142616	5.0	678080.0	0.570464	Y
3	IC 410-641051/7	1.25	0.783145	5.0	655447.0	0.626516	Y
4	IC 410-641051/6	3.75	2.393444	5.0	705780.0	0.638252	Y
5	IC 410-641051/5	7.5	5.019902	5.0	699161.0	0.66932	Y
6	ICIS 410-641051/2	12.5	8.38663	5.0	831564.0	0.67093	Y
7	IC 410-641051/4	20.0	13.299328	5.0	737191.0	0.664966	Y
8	IC 410-641051/3	30.0	20.249685	5.0	693092.0	0.67499	Y



Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

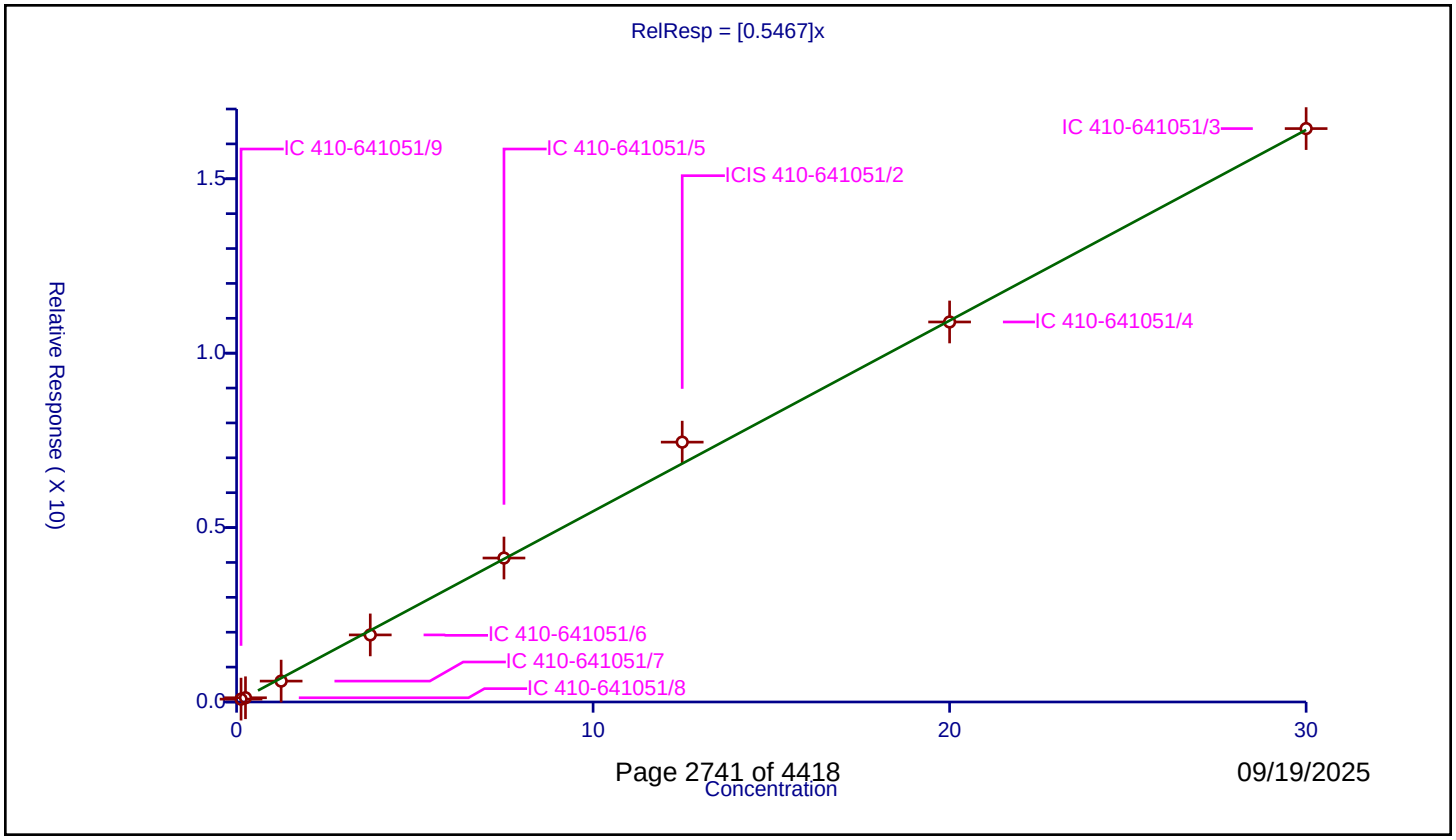
Curve Coefficients

Intercept:	0
Slope:	0.5467

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.082172	5.0	379811.0	0.65738	Y
2	IC 410-641051/8	0.25	0.12142	5.0	385891.0	0.485681	Y
3	IC 410-641051/7	1.25	0.598833	5.0	394242.0	0.479066	Y
4	IC 410-641051/6	3.75	1.922912	5.0	424307.0	0.512777	Y
5	IC 410-641051/5	7.5	4.127517	5.0	403979.0	0.550336	Y
6	ICIS 410-641051/2	12.5	7.449488	5.0	463358.0	0.595959	Y
7	IC 410-641051/4	20.0	10.894521	5.0	437793.0	0.544726	Y
8	IC 410-641051/3	30.0	16.438506	5.0	411545.0	0.54795	Y



09/19/2025

Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

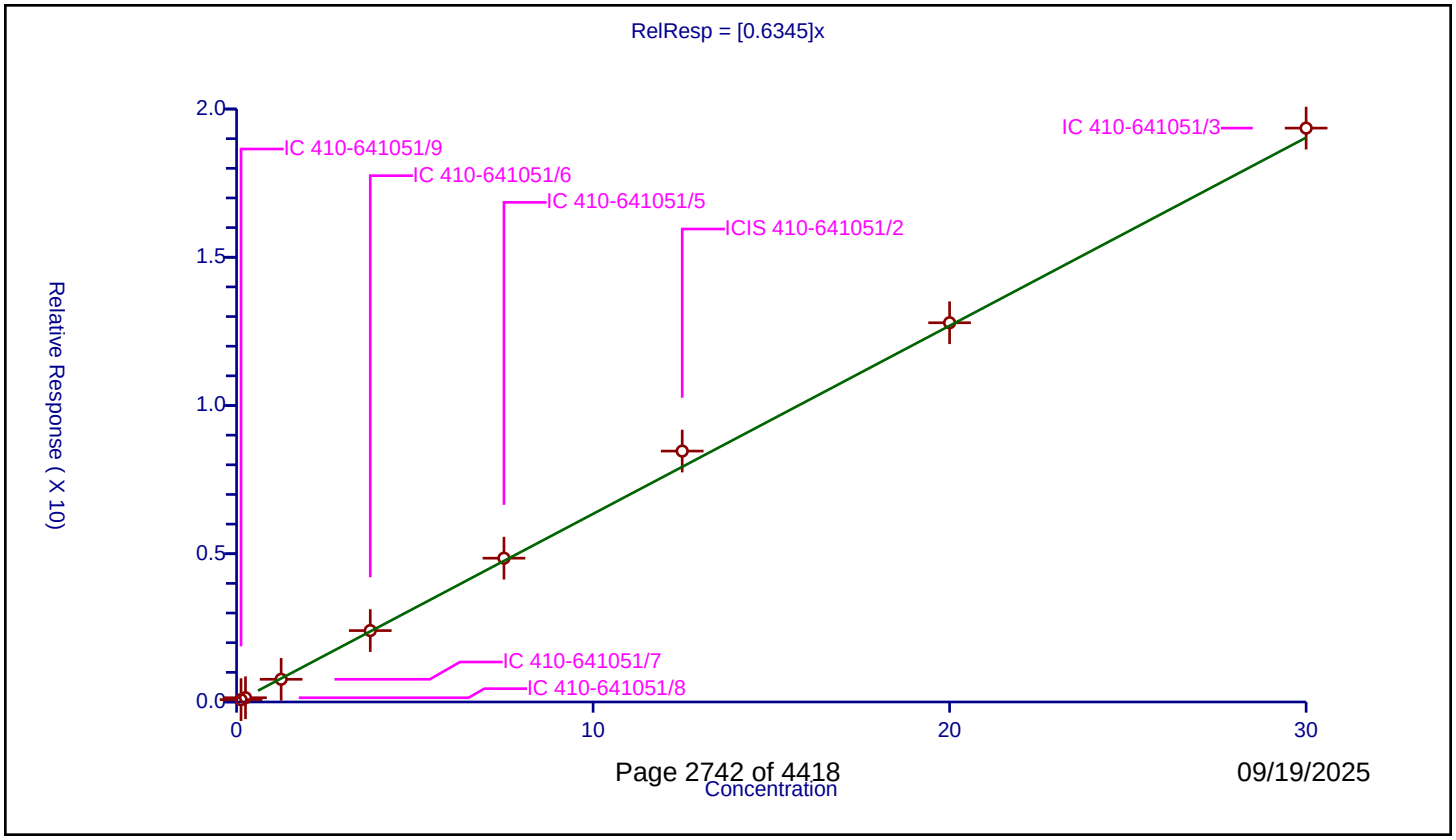
Curve Coefficients

Intercept:	0
Slope:	0.6345

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.079763	5.0	379811.0	0.638107	Y
2	IC 410-641051/8	0.25	0.143758	5.0	385891.0	0.575033	Y
3	IC 410-641051/7	1.25	0.765469	5.0	394242.0	0.612375	Y
4	IC 410-641051/6	3.75	2.408233	5.0	424307.0	0.642195	Y
5	IC 410-641051/5	7.5	4.849943	5.0	403979.0	0.646659	Y
6	ICIS 410-641051/2	12.5	8.462808	5.0	463358.0	0.677025	Y
7	IC 410-641051/4	20.0	12.79084	5.0	437793.0	0.639542	Y
8	IC 410-641051/3	30.0	19.356036	5.0	411545.0	0.645201	Y



Calibration / Isosafrole Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

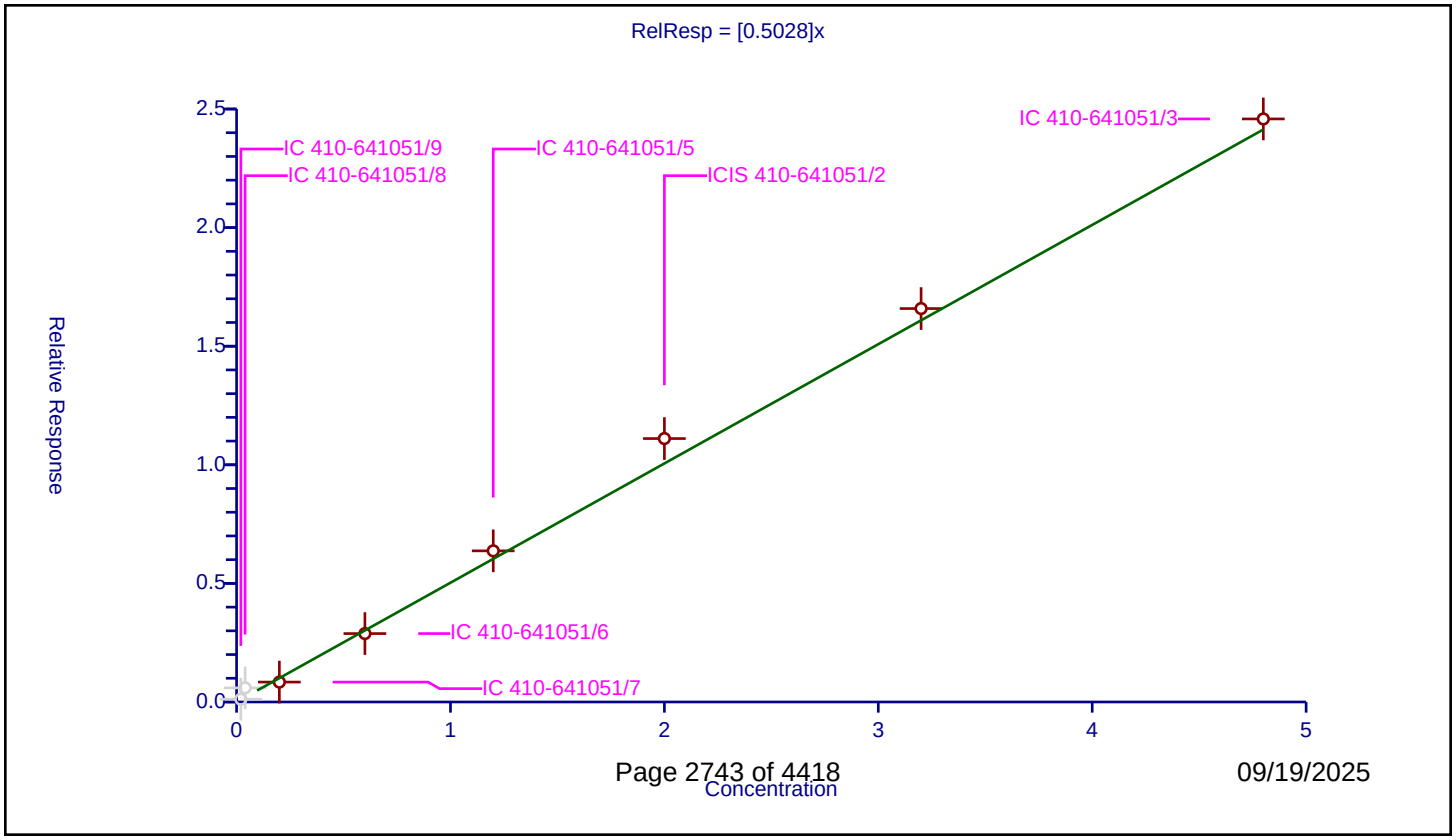
Curve Coefficients

Intercept:	0
Slope:	0.5028

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.02	0.011782	5.0	379811.0	0.589109	N
2	IC 410-641051/8	0.04	0.059576	5.0	385891.0	1.48941	N
3	IC 410-641051/7	0.2	0.083882	5.0	394242.0	0.419412	Y
4	IC 410-641051/6	0.6	0.288411	5.0	424307.0	0.480686	Y
5	IC 410-641051/5	1.2	0.637236	5.0	403979.0	0.53103	Y
6	ICIS 410-641051/2	2.0	1.110642	5.0	463358.0	0.555321	Y
7	IC 410-641051/4	3.2	1.658752	5.0	437793.0	0.51836	Y
8	IC 410-641051/3	4.8	2.458127	5.0	411545.0	0.51211	Y



09/19/2025

Calibration / 2,4,6-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

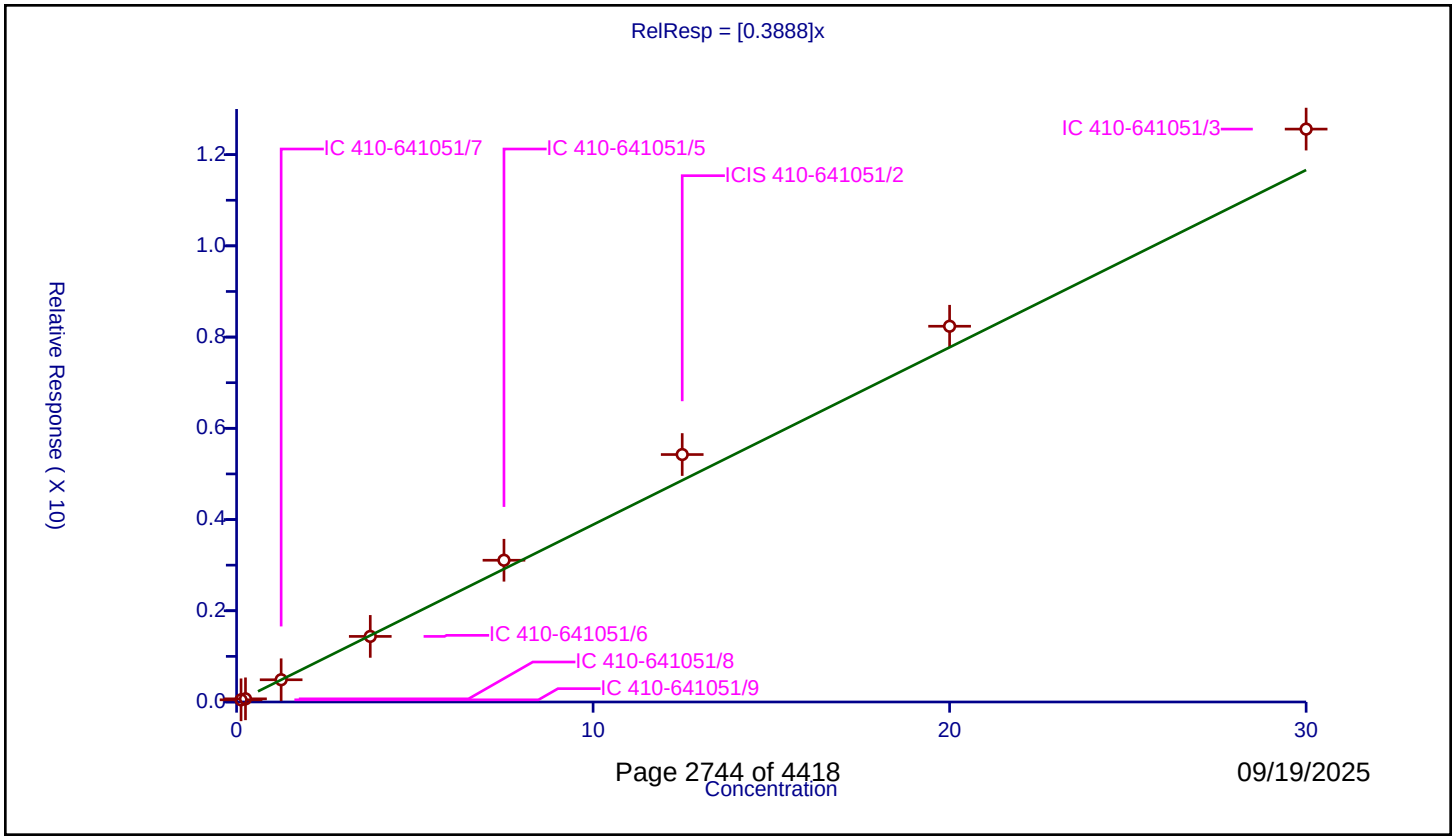
Curve Coefficients

Intercept:	0
Slope:	0.3888

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.047642	5.0	379811.0	0.381137	Y
2	IC 410-641051/8	0.25	0.069216	5.0	385891.0	0.276866	Y
3	IC 410-641051/7	1.25	0.487125	5.0	394242.0	0.3897	Y
4	IC 410-641051/6	3.75	1.438145	5.0	424307.0	0.383505	Y
5	IC 410-641051/5	7.5	3.107637	5.0	403979.0	0.414352	Y
6	ICIS 410-641051/2	12.5	5.425103	5.0	463358.0	0.434008	Y
7	IC 410-641051/4	20.0	8.23774	5.0	437793.0	0.411887	Y
8	IC 410-641051/3	30.0	12.559586	5.0	411545.0	0.418653	Y



Calibration / 2,4,5-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

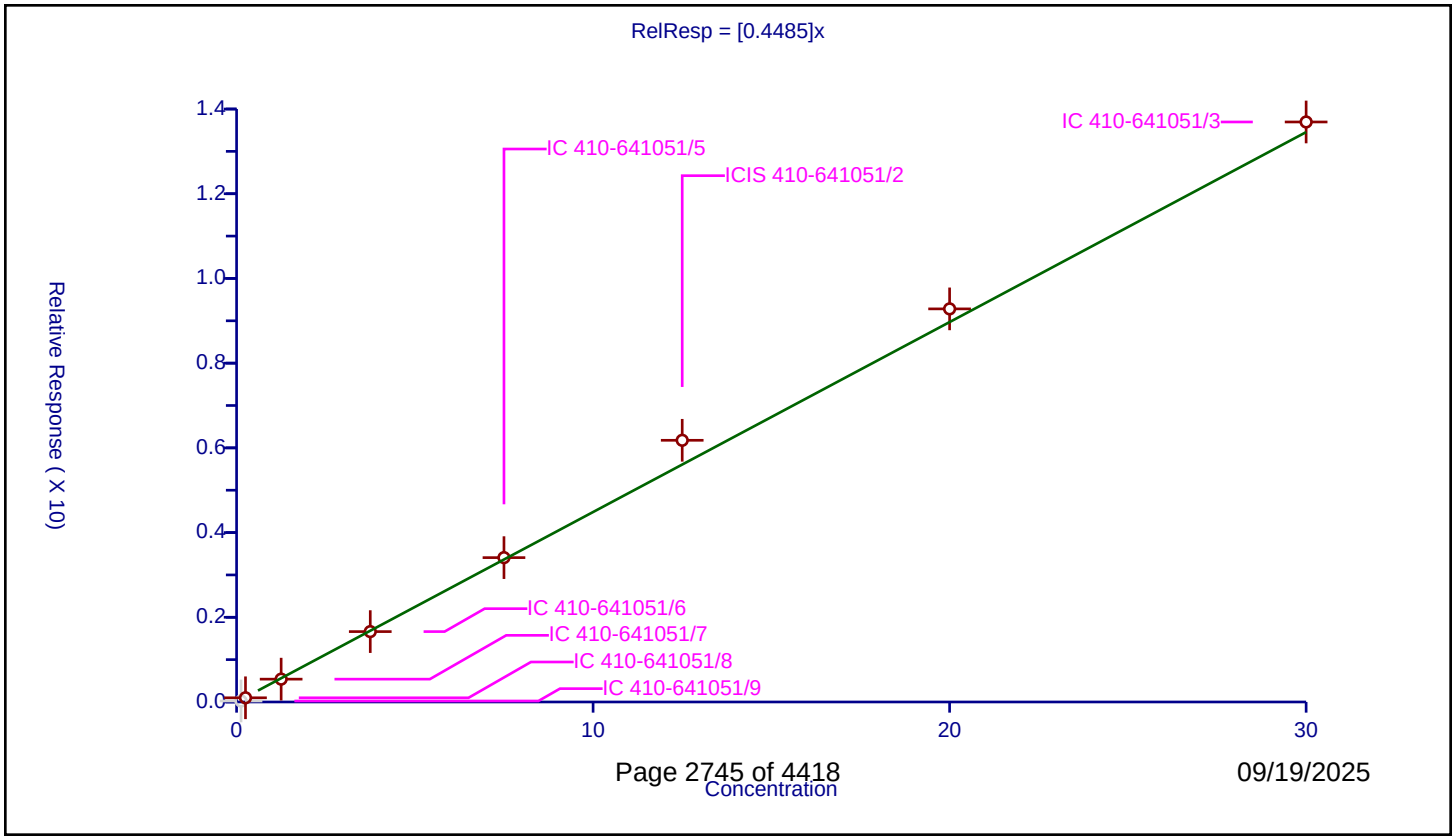
Curve Coefficients

Intercept:	0
Slope:	0.4485

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.023893	5.0	379811.0	0.191148	N
2	IC 410-641051/8	0.25	0.098862	5.0	385891.0	0.395448	Y
3	IC 410-641051/7	1.25	0.53944	5.0	394242.0	0.431552	Y
4	IC 410-641051/6	3.75	1.661545	5.0	424307.0	0.443079	Y
5	IC 410-641051/5	7.5	3.408333	5.0	403979.0	0.454444	Y
6	ICIS 410-641051/2	12.5	6.178247	5.0	463358.0	0.49426	Y
7	IC 410-641051/4	20.0	9.281418	5.0	437793.0	0.464071	Y
8	IC 410-641051/3	30.0	13.69431	5.0	411545.0	0.456477	Y



09/19/2025

Calibration / 2-Fluorobiphenyl (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

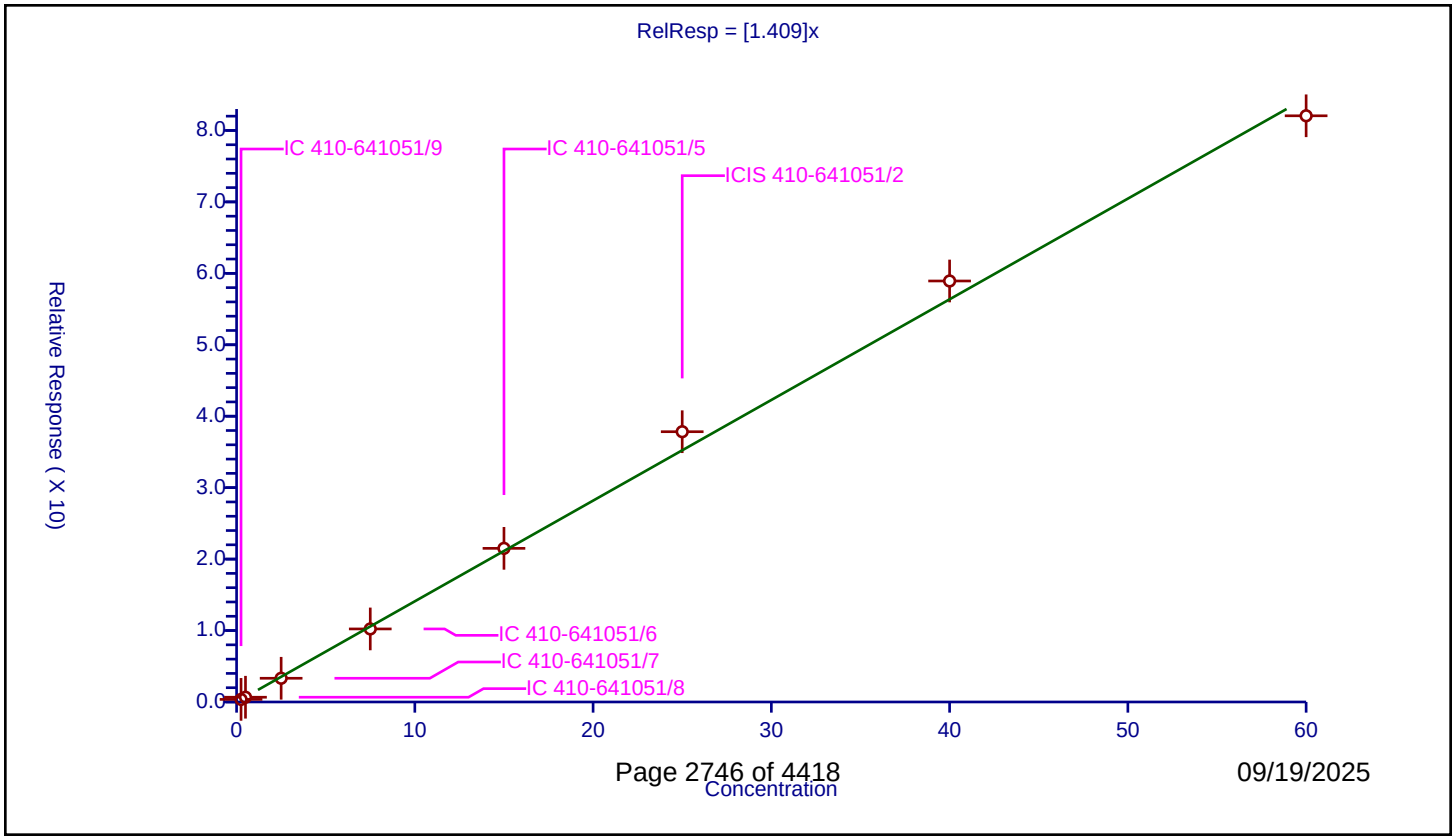
Curve Coefficients

Intercept:	0
Slope:	1.409

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.25	0.365379	5.0	379811.0	1.461516	Y
2	IC 410-641051/8	0.5	0.665952	5.0	385891.0	1.331905	Y
3	IC 410-641051/7	2.5	3.320435	5.0	394242.0	1.328174	Y
4	IC 410-641051/6	7.5	10.226687	5.0	424307.0	1.363558	Y
5	IC 410-641051/5	15.0	21.505425	5.0	403979.0	1.433695	Y
6	ICIS 410-641051/2	25.0	37.832939	5.0	463358.0	1.513318	Y
7	IC 410-641051/4	40.0	58.926879	5.0	437793.0	1.473172	Y
8	IC 410-641051/3	60.0	82.050699	5.0	411545.0	1.367512	Y



Calibration / Isosafrole Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

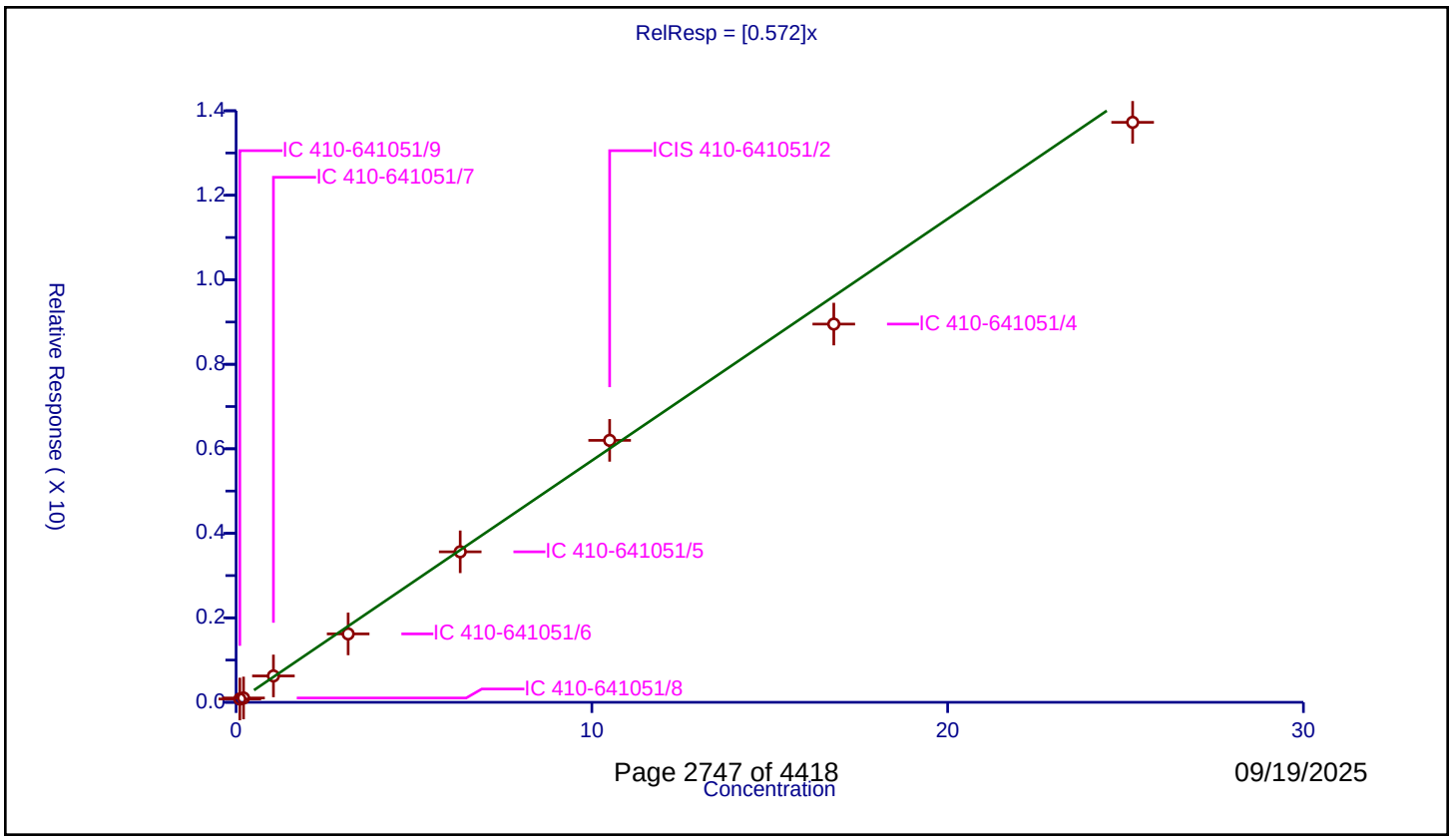
Curve Coefficients

Intercept:	0
Slope:	0.572

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.105	0.078355	5.0	379811.0	0.746236	Y
2	IC 410-641051/8	0.21	0.102568	5.0	385891.0	0.488418	Y
3	IC 410-641051/7	1.05	0.624236	5.0	394242.0	0.59451	Y
4	IC 410-641051/6	3.15	1.618851	5.0	424307.0	0.513921	Y
5	IC 410-641051/5	6.3	3.561943	5.0	403979.0	0.565388	Y
6	ICIS 410-641051/2	10.5	6.199289	5.0	463358.0	0.590408	Y
7	IC 410-641051/4	16.8	8.951182	5.0	437793.0	0.532808	Y
8	IC 410-641051/3	25.2	13.726045	5.0	411545.0	0.544684	Y



Calibration / 1,1'-Biphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

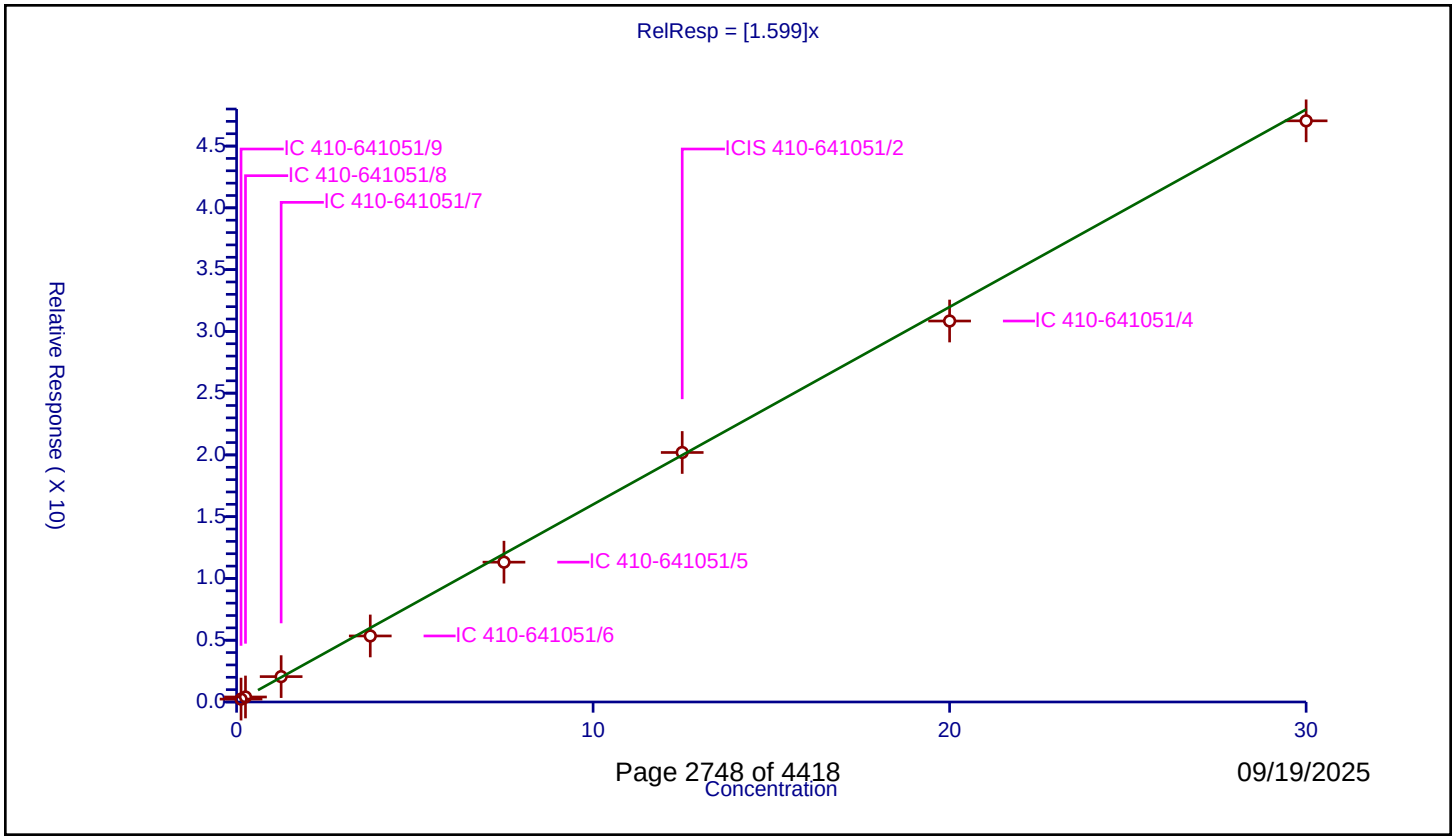
Curve Coefficients

Intercept:	0
Slope:	1.599

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.233524	5.0	379811.0	1.868192	Y
2	IC 410-641051/8	0.25	0.40479	5.0	385891.0	1.619162	Y
3	IC 410-641051/7	1.25	2.053561	5.0	394242.0	1.642849	Y
4	IC 410-641051/6	3.75	5.345929	5.0	424307.0	1.425581	Y
5	IC 410-641051/5	7.5	11.318856	5.0	403979.0	1.509181	Y
6	ICIS 410-641051/2	12.5	20.198108	5.0	463358.0	1.615849	Y
7	IC 410-641051/4	20.0	30.839438	5.0	437793.0	1.541972	Y
8	IC 410-641051/3	30.0	47.042632	5.0	411545.0	1.568088	Y



Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

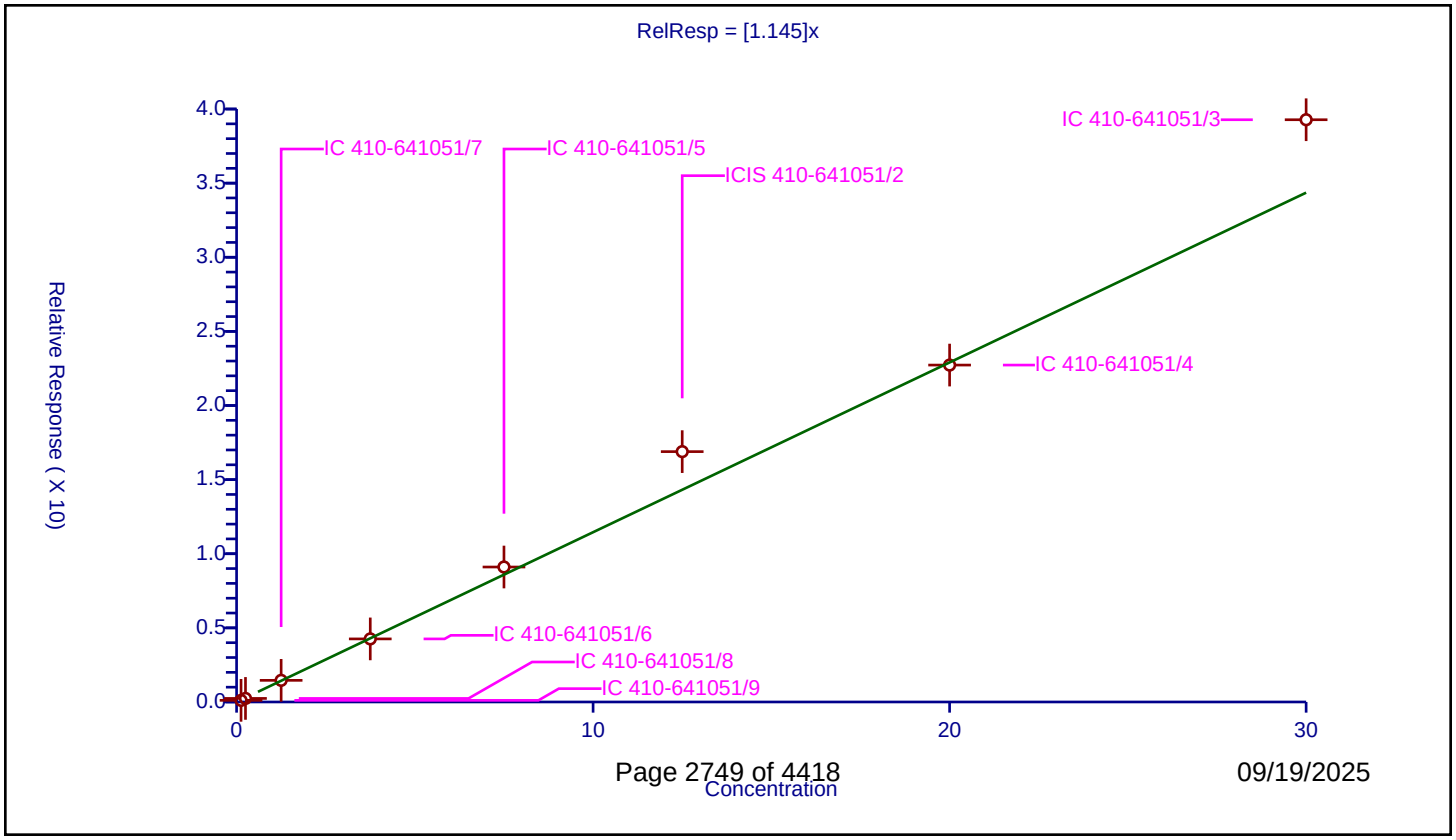
Curve Coefficients

Intercept:	0
Slope:	1.145

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.111121	5.0	379811.0	0.888968	Y
2	IC 410-641051/8	0.25	0.239848	5.0	385891.0	0.95939	Y
3	IC 410-641051/7	1.25	1.4597	5.0	394242.0	1.16776	Y
4	IC 410-641051/6	3.75	4.25528	5.0	424307.0	1.134741	Y
5	IC 410-641051/5	7.5	9.105622	5.0	403979.0	1.214083	Y
6	ICIS 410-641051/2	12.5	16.887925	5.0	463358.0	1.351034	Y
7	IC 410-641051/4	20.0	22.728276	5.0	437793.0	1.136414	Y
8	IC 410-641051/3	30.0	39.27726	5.0	411545.0	1.309242	Y



09/19/2025

Calibration / 1-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

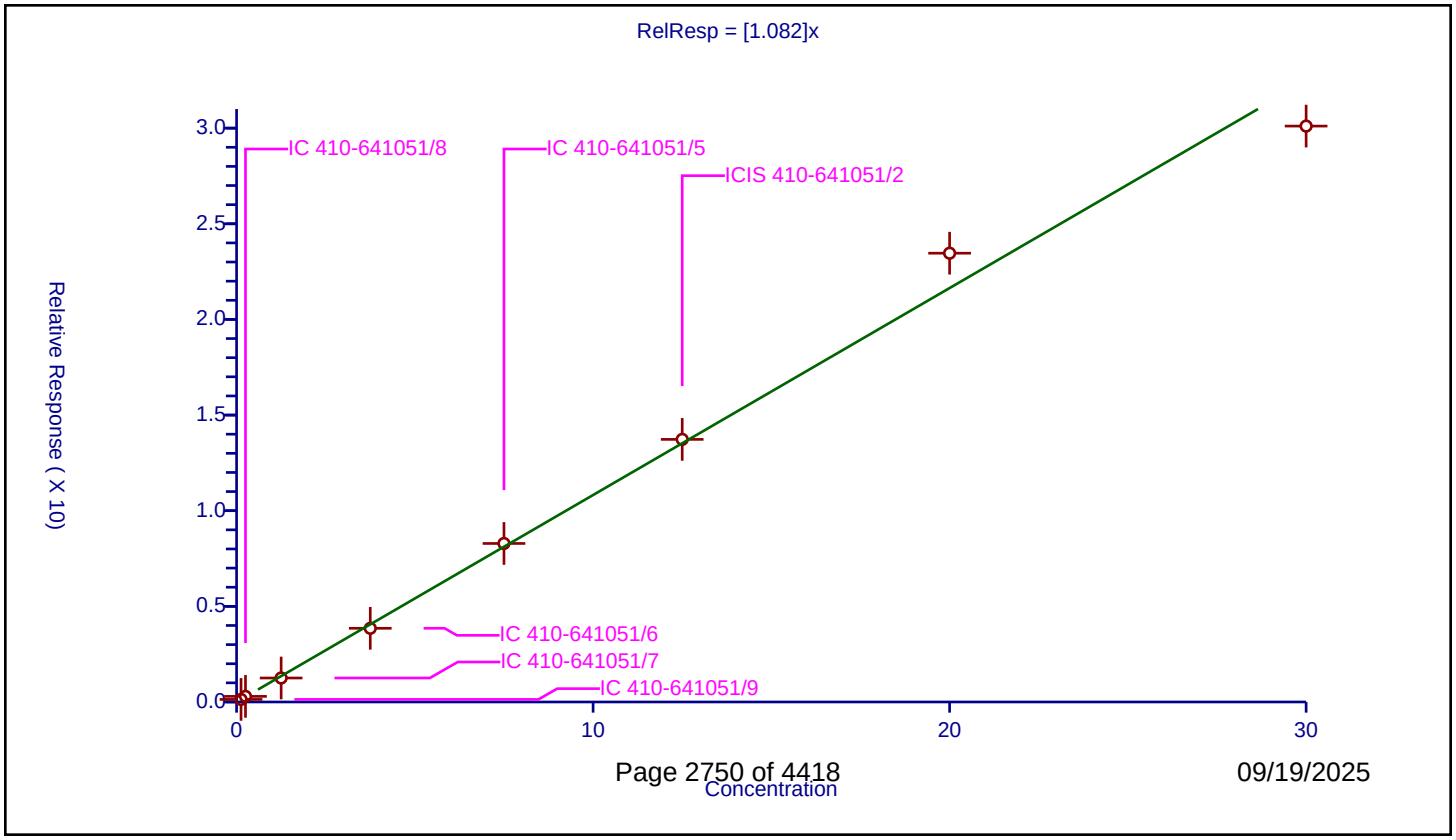
Curve Coefficients

Intercept:	0
Slope:	1.082

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.133988	5.0	379811.0	1.071902	Y
2	IC 410-641051/8	0.25	0.293256	5.0	385891.0	1.173026	Y
3	IC 410-641051/7	1.25	1.254572	5.0	394242.0	1.003658	Y
4	IC 410-641051/6	3.75	3.85313	5.0	424307.0	1.027501	Y
5	IC 410-641051/5	7.5	8.287015	5.0	403979.0	1.104935	Y
6	ICIS 410-641051/2	12.5	13.72905	5.0	463358.0	1.098324	Y
7	IC 410-641051/4	20.0	23.461567	5.0	437793.0	1.173078	Y
8	IC 410-641051/3	30.0	30.1074	5.0	411545.0	1.00358	Y



Calibration / Phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

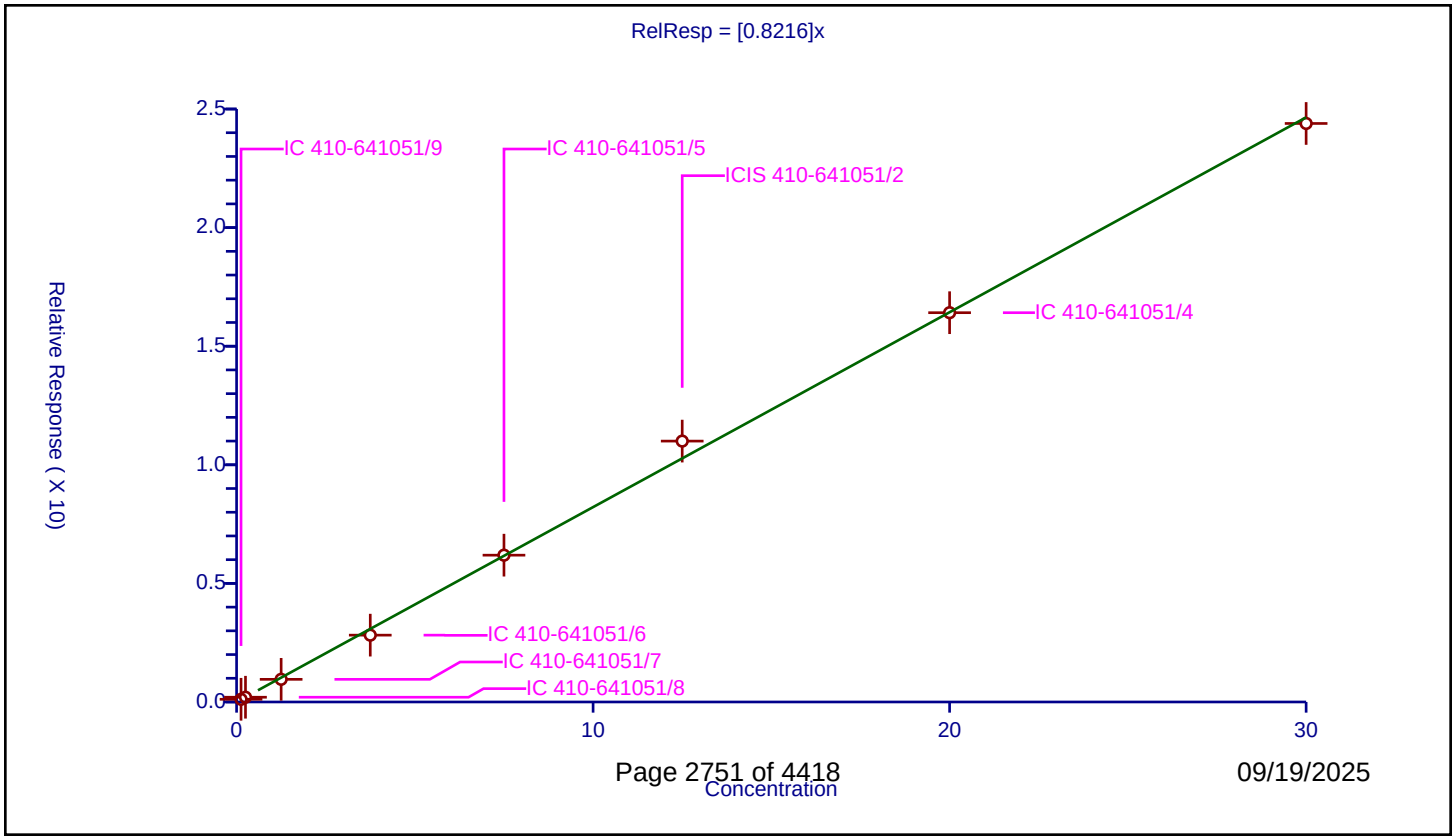
Curve Coefficients

Intercept:	0
Slope:	0.8216

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.114649	5.0	379811.0	0.917193	Y
2	IC 410-641051/8	0.25	0.200225	5.0	385891.0	0.8009	Y
3	IC 410-641051/7	1.25	0.955352	5.0	394242.0	0.764282	Y
4	IC 410-641051/6	3.75	2.817488	5.0	424307.0	0.75133	Y
5	IC 410-641051/5	7.5	6.190111	5.0	403979.0	0.825348	Y
6	ICIS 410-641051/2	12.5	10.99886	5.0	463358.0	0.879909	Y
7	IC 410-641051/4	20.0	16.412631	5.0	437793.0	0.820632	Y
8	IC 410-641051/3	30.0	24.39099	5.0	411545.0	0.813033	Y



Calibration / 2-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

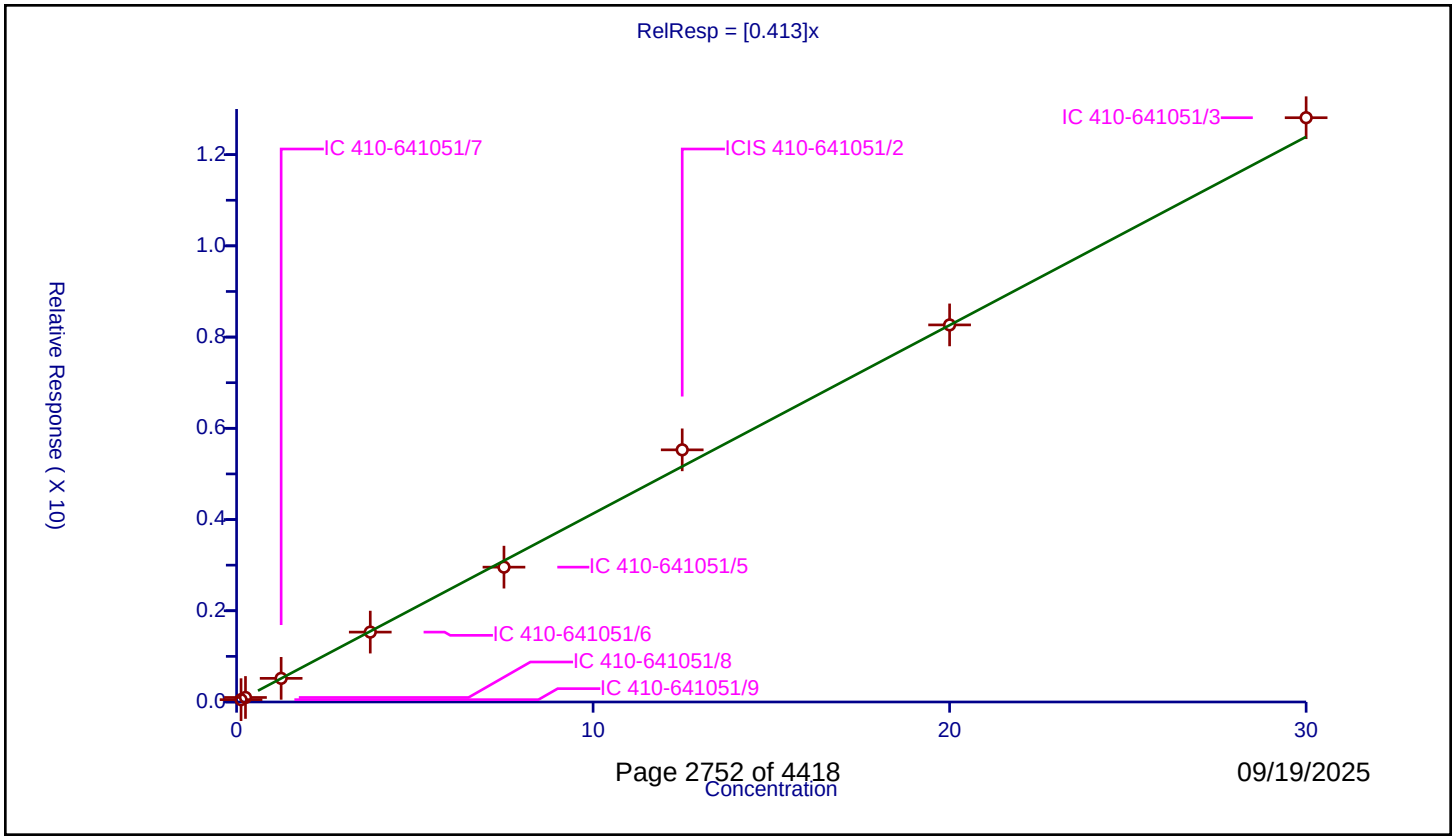
Curve Coefficients

Intercept:	0
Slope:	0.413

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.051012	5.0	379811.0	0.408098	Y
2	IC 410-641051/8	0.25	0.099134	5.0	385891.0	0.396537	Y
3	IC 410-641051/7	1.25	0.518019	5.0	394242.0	0.414416	Y
4	IC 410-641051/6	3.75	1.532145	5.0	424307.0	0.408572	Y
5	IC 410-641051/5	7.5	2.956416	5.0	403979.0	0.394189	Y
6	ICIS 410-641051/2	12.5	5.52808	5.0	463358.0	0.442246	Y
7	IC 410-641051/4	20.0	8.266864	5.0	437793.0	0.413343	Y
8	IC 410-641051/3	30.0	12.809547	5.0	411545.0	0.426985	Y



Calibration / 1,4-Naphthoquinone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

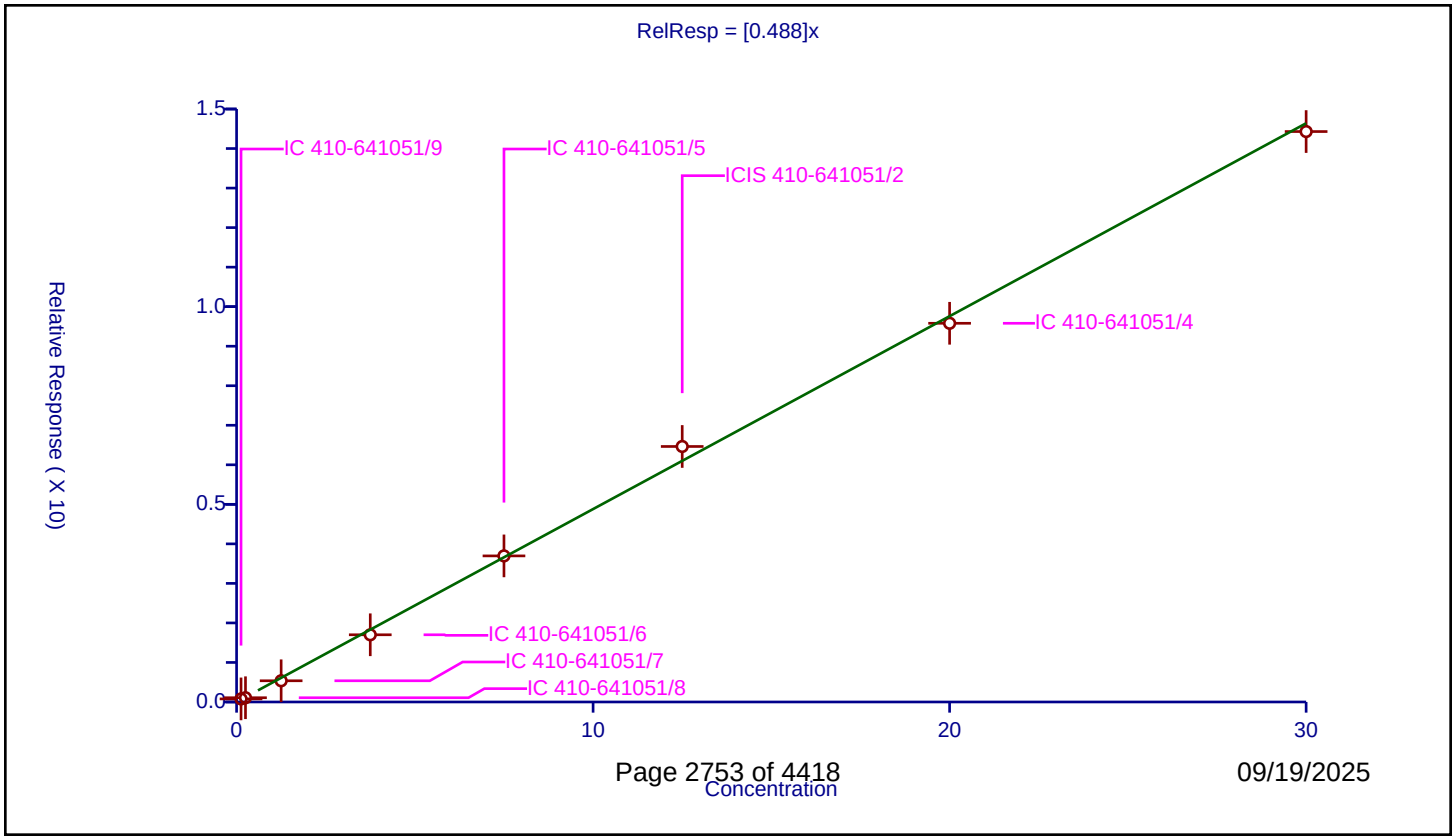
Curve Coefficients

Intercept:	0
Slope:	0.488

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.077631	5.0	379811.0	0.621046	Y
2	IC 410-641051/8	0.25	0.107595	5.0	385891.0	0.430381	Y
3	IC 410-641051/7	1.25	0.536434	5.0	394242.0	0.429148	Y
4	IC 410-641051/6	3.75	1.70016	5.0	424307.0	0.453376	Y
5	IC 410-641051/5	7.5	3.69539	5.0	403979.0	0.492719	Y
6	ICIS 410-641051/2	12.5	6.463091	5.0	463358.0	0.517047	Y
7	IC 410-641051/4	20.0	9.579893	5.0	437793.0	0.478995	Y
8	IC 410-641051/3	30.0	14.429989	5.0	411545.0	0.481	Y



Calibration / 1,4-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

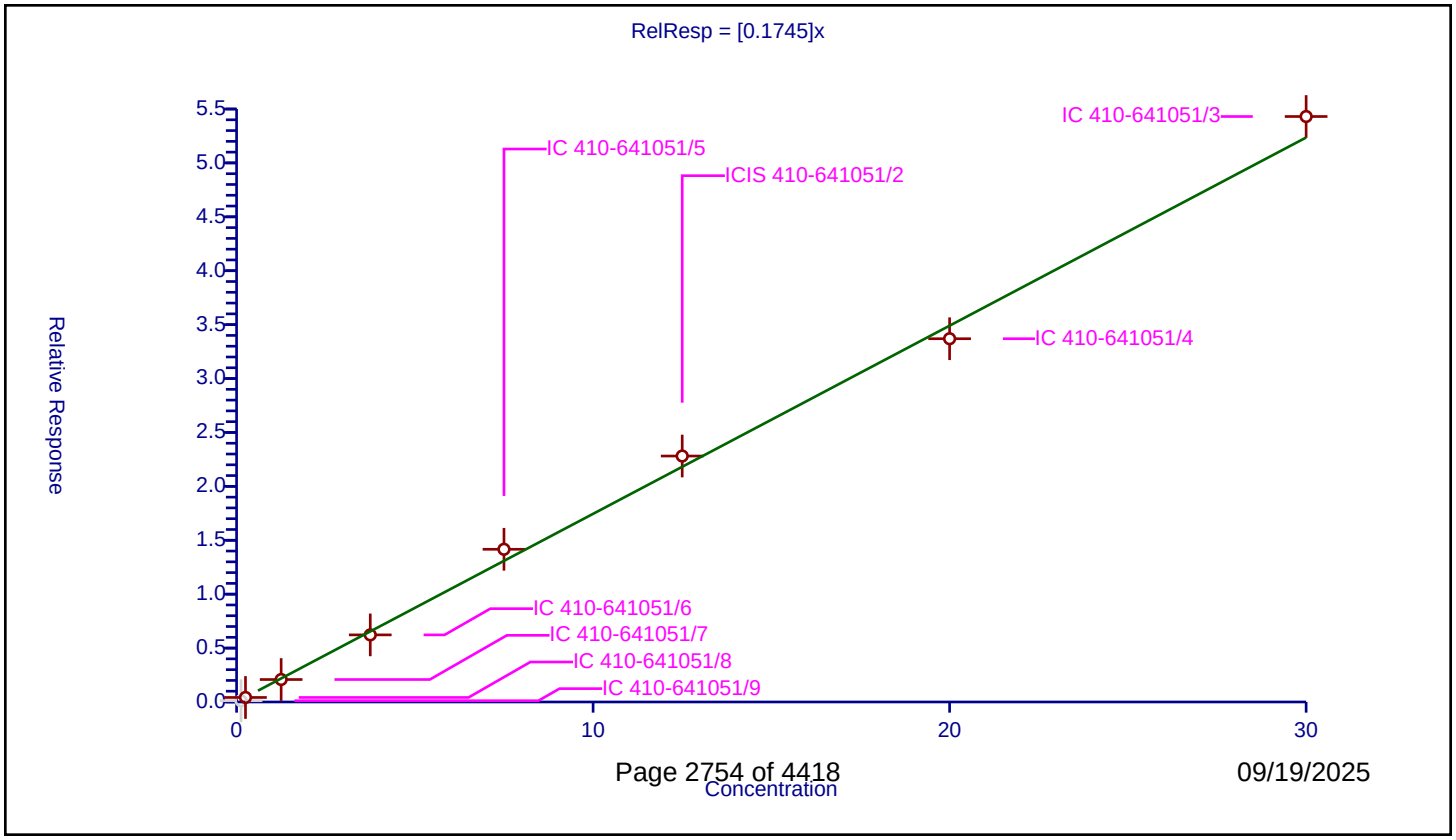
Curve Coefficients

Intercept:	0
Slope:	0.1745

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.011782	5.0	379811.0	0.094257	N
2	IC 410-641051/8	0.25	0.042007	5.0	385891.0	0.168027	Y
3	IC 410-641051/7	1.25	0.208476	5.0	394242.0	0.166781	Y
4	IC 410-641051/6	3.75	0.622403	5.0	424307.0	0.165974	Y
5	IC 410-641051/5	7.5	1.416324	5.0	403979.0	0.188843	Y
6	ICIS 410-641051/2	12.5	2.2814	5.0	463358.0	0.182512	Y
7	IC 410-641051/4	20.0	3.369481	5.0	437793.0	0.168474	Y
8	IC 410-641051/3	30.0	5.43039	5.0	411545.0	0.181013	Y



Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

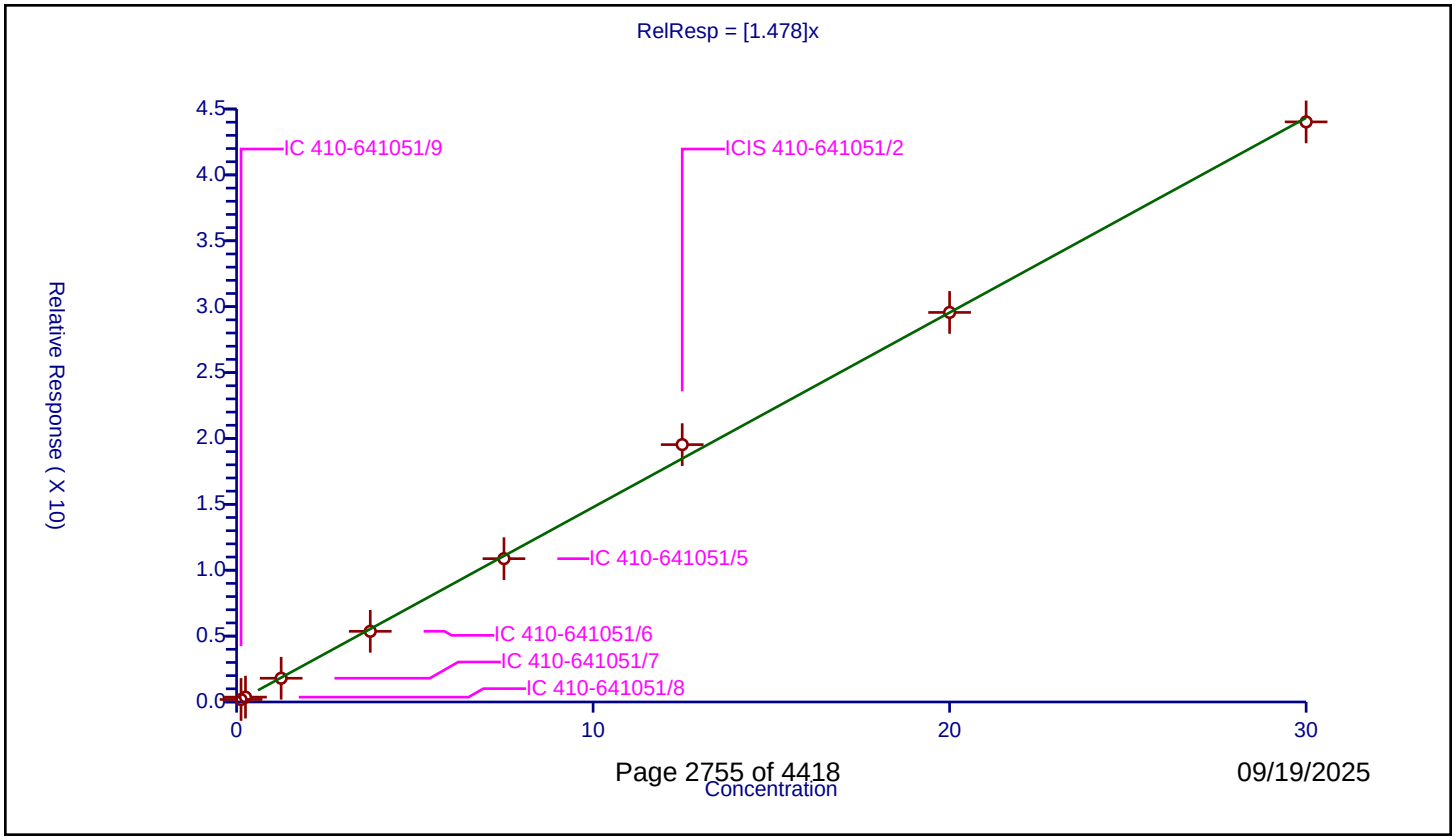
Curve Coefficients

Intercept:	0
Slope:	1.478

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.189581	5.0	379811.0	1.516649	Y
2	IC 410-641051/8	0.25	0.368601	5.0	385891.0	1.474406	Y
3	IC 410-641051/7	1.25	1.801901	5.0	394242.0	1.441521	Y
4	IC 410-641051/6	3.75	5.363122	5.0	424307.0	1.430166	Y
5	IC 410-641051/5	7.5	10.876766	5.0	403979.0	1.450235	Y
6	ICIS 410-641051/2	12.5	19.530849	5.0	463358.0	1.562468	Y
7	IC 410-641051/4	20.0	29.563664	5.0	437793.0	1.478183	Y
8	IC 410-641051/3	30.0	44.021966	5.0	411545.0	1.467399	Y



09/19/2025

Calibration / 1,3-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

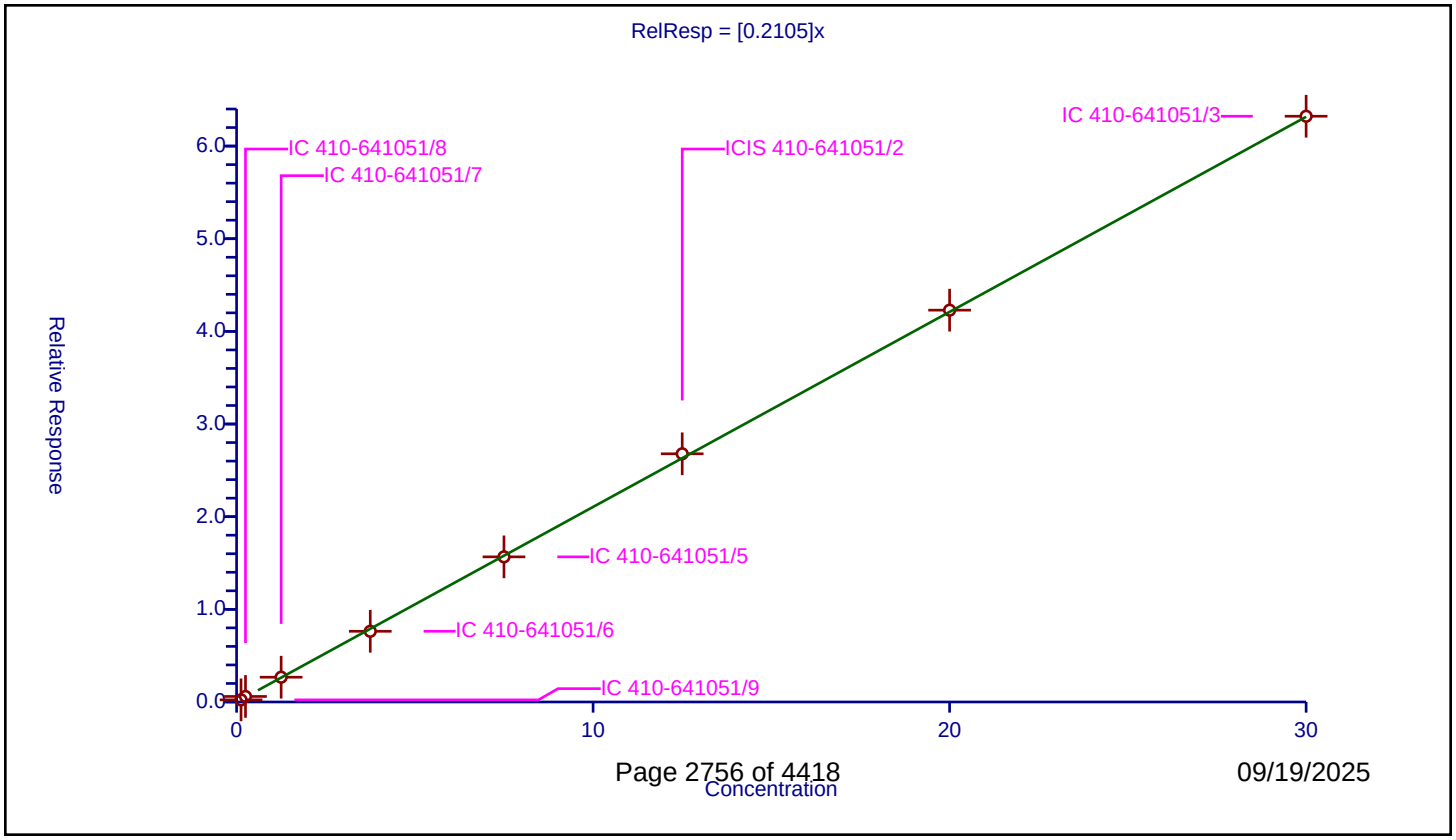
Curve Coefficients

Intercept:	0
Slope:	0.2105

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.022814	5.0	379811.0	0.182512	Y
2	IC 410-641051/8	0.25	0.059693	5.0	385891.0	0.238772	Y
3	IC 410-641051/7	1.25	0.267589	5.0	394242.0	0.214072	Y
4	IC 410-641051/6	3.75	0.763256	5.0	424307.0	0.203535	Y
5	IC 410-641051/5	7.5	1.566344	5.0	403979.0	0.208846	Y
6	ICIS 410-641051/2	12.5	2.67876	5.0	463358.0	0.214301	Y
7	IC 410-641051/4	20.0	4.228882	5.0	437793.0	0.211444	Y
8	IC 410-641051/3	30.0	6.322091	5.0	411545.0	0.210736	Y



Calibration / 2,6-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

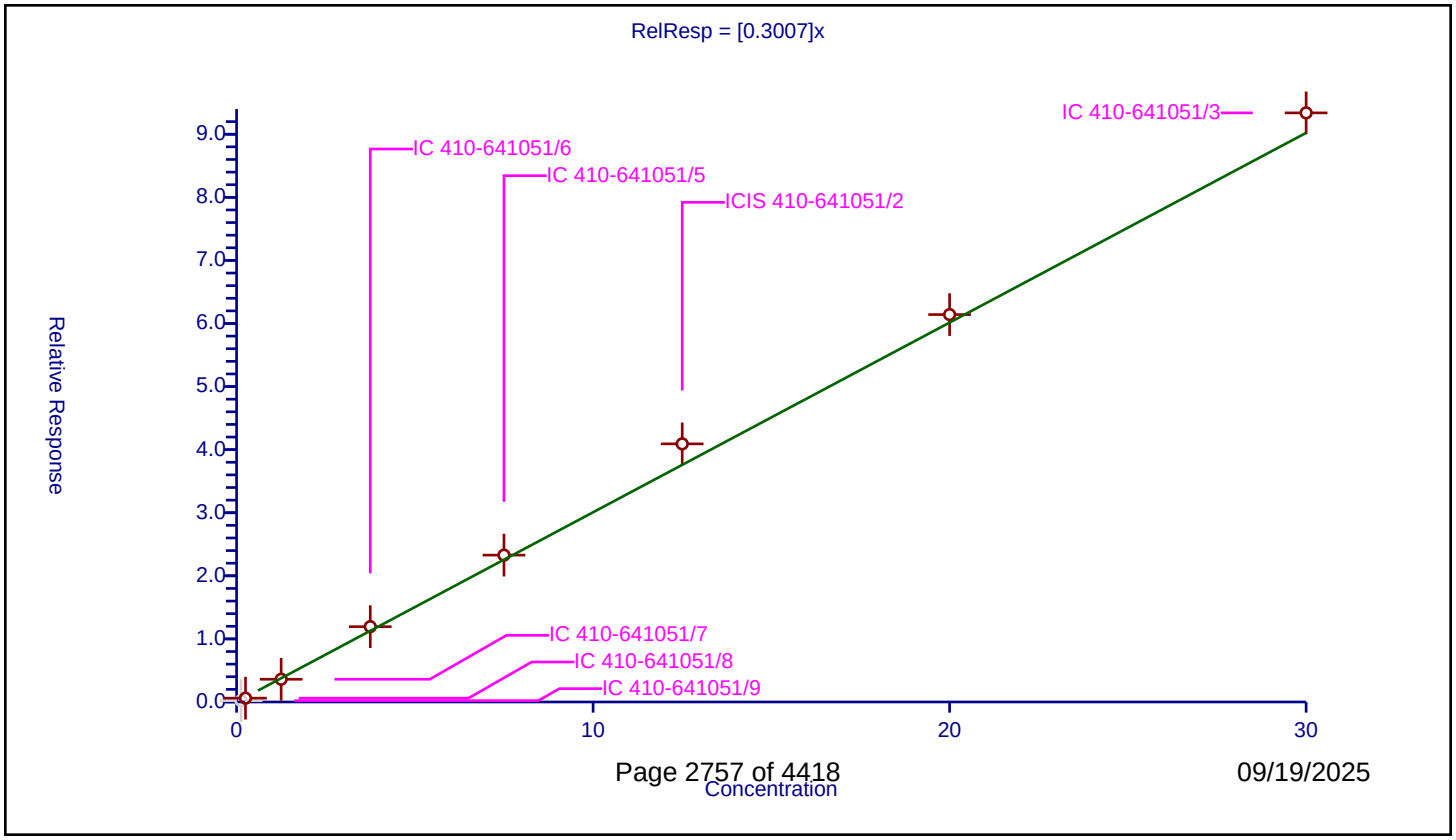
Curve Coefficients

Intercept:	0
Slope:	0.3007

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.021419	5.0	379811.0	0.171348	N
2	IC 410-641051/8	0.25	0.060535	5.0	385891.0	0.242141	Y
3	IC 410-641051/7	1.25	0.360578	5.0	394242.0	0.288462	Y
4	IC 410-641051/6	3.75	1.194065	5.0	424307.0	0.318417	Y
5	IC 410-641051/5	7.5	2.328252	5.0	403979.0	0.310434	Y
6	ICIS 410-641051/2	12.5	4.09189	5.0	463358.0	0.327351	Y
7	IC 410-641051/4	20.0	6.141019	5.0	437793.0	0.307051	Y
8	IC 410-641051/3	30.0	9.338796	5.0	411545.0	0.311293	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

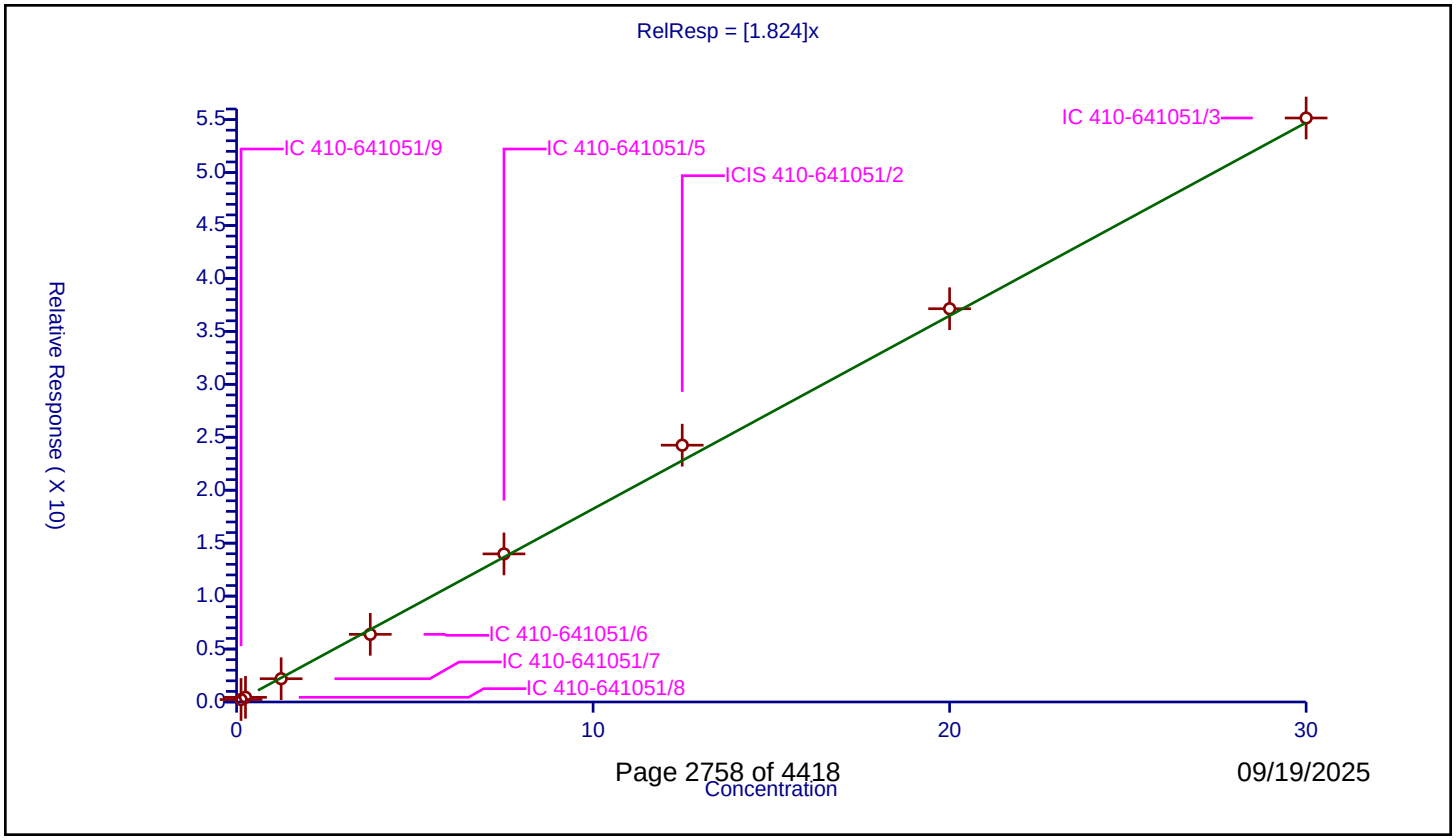
Curve Coefficients

Intercept:	0
Slope:	1.824

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.232945	5.0	379811.0	1.863558	Y
2	IC 410-641051/8	0.25	0.441381	5.0	385891.0	1.765524	Y
3	IC 410-641051/7	1.25	2.196988	5.0	394242.0	1.757591	Y
4	IC 410-641051/6	3.75	6.388499	5.0	424307.0	1.7036	Y
5	IC 410-641051/5	7.5	13.98491	5.0	403979.0	1.864655	Y
6	ICIS 410-641051/2	12.5	24.253148	5.0	463358.0	1.940252	Y
7	IC 410-641051/4	20.0	37.139767	5.0	437793.0	1.856988	Y
8	IC 410-641051/3	30.0	55.150227	5.0	411545.0	1.838341	Y



09/19/2025

Calibration / 3-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

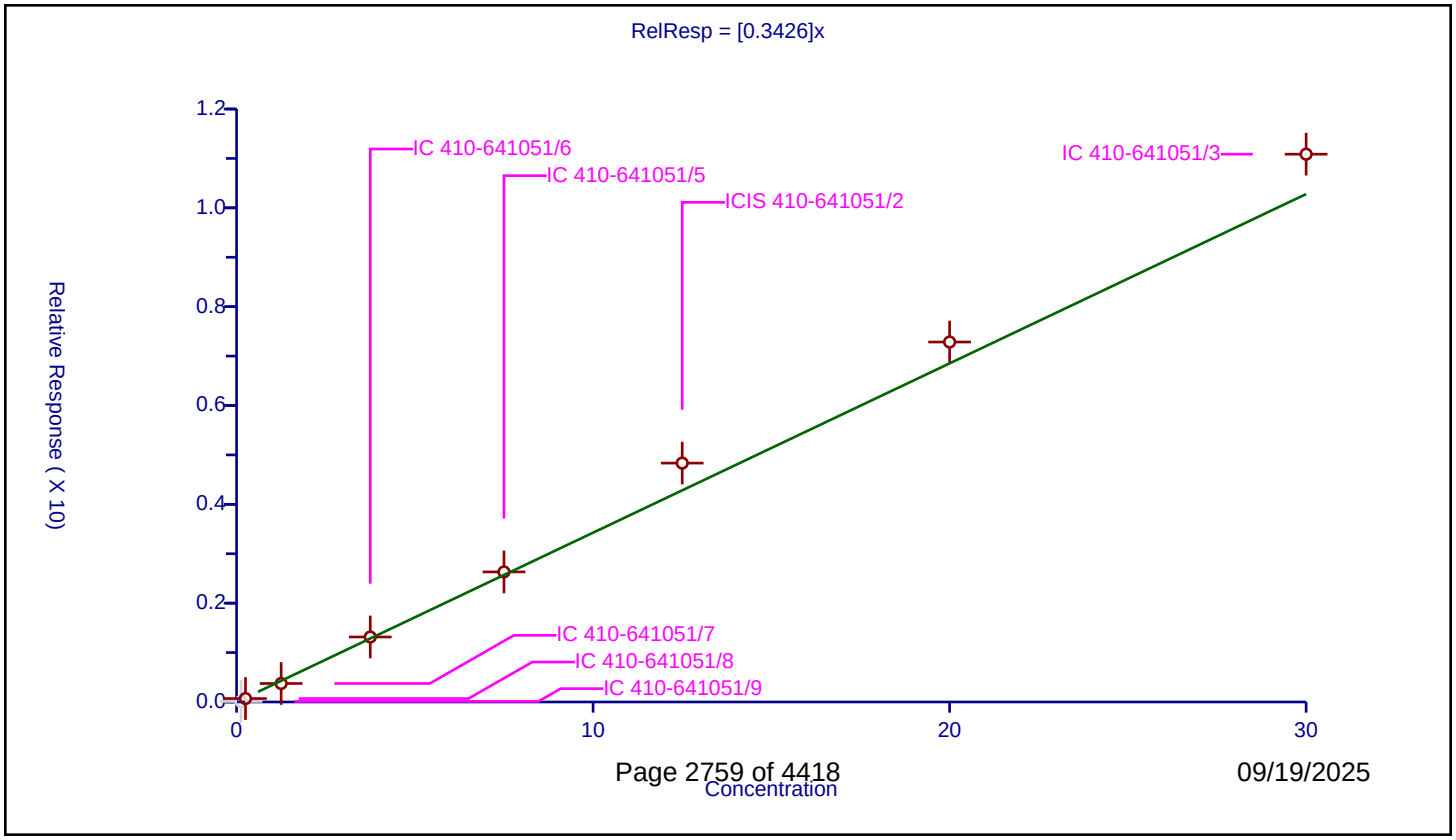
Curve Coefficients

Intercept:	0
Slope:	0.3426

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.011809	5.0	379811.0	0.094468	N
2	IC 410-641051/8	0.25	0.069216	5.0	385891.0	0.276866	Y
3	IC 410-641051/7	1.25	0.374034	5.0	394242.0	0.299227	Y
4	IC 410-641051/6	3.75	1.315651	5.0	424307.0	0.35084	Y
5	IC 410-641051/5	7.5	2.632068	5.0	403979.0	0.350942	Y
6	ICIS 410-641051/2	12.5	4.834469	5.0	463358.0	0.386758	Y
7	IC 410-641051/4	20.0	7.284539	5.0	437793.0	0.364227	Y
8	IC 410-641051/3	30.0	11.085556	5.0	411545.0	0.369519	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

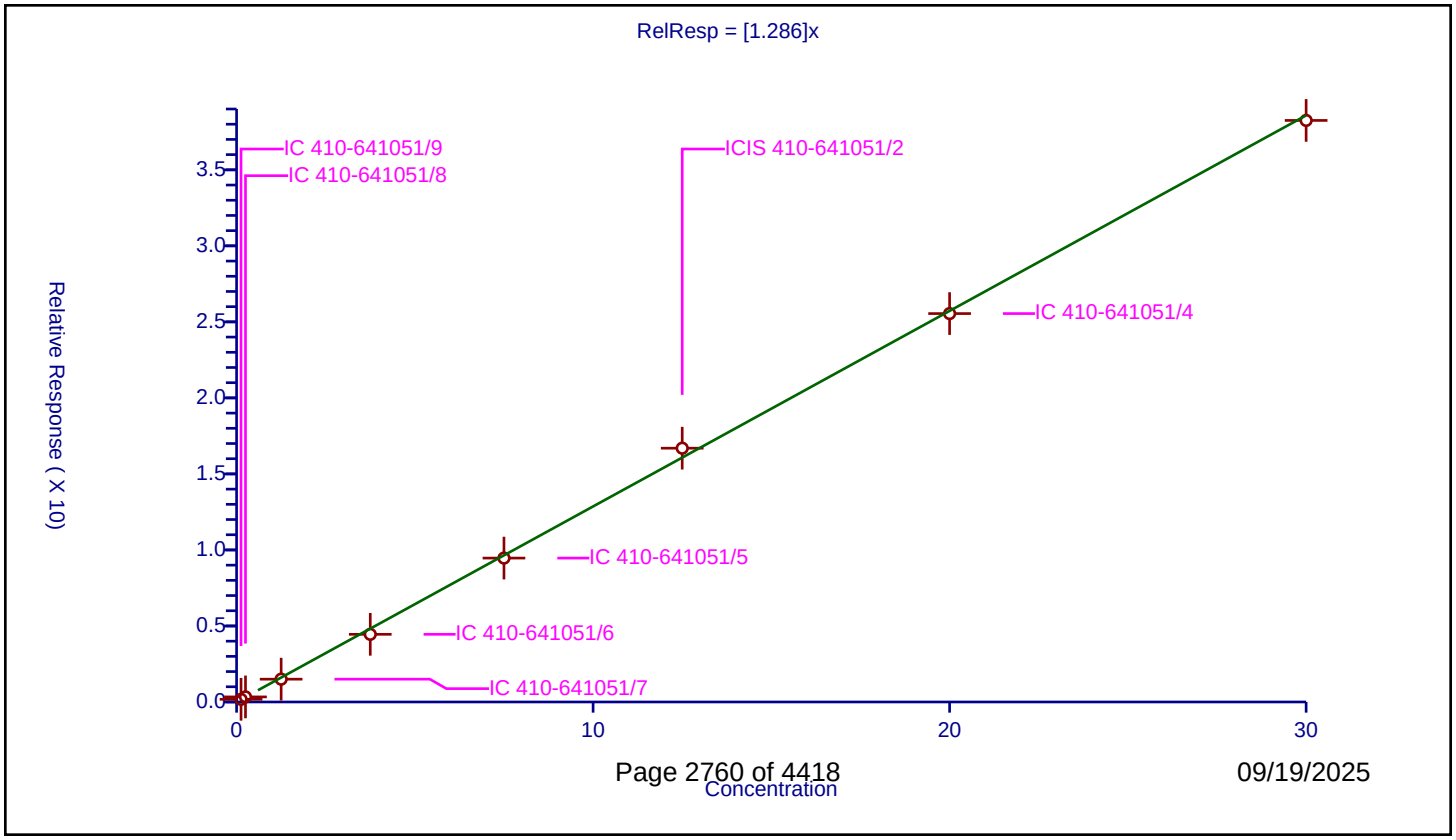
Curve Coefficients

Intercept:	0
Slope:	1.286

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.176785	5.0	379811.0	1.414282	Y
2	IC 410-641051/8	0.25	0.334227	5.0	385891.0	1.336906	Y
3	IC 410-641051/7	1.25	1.500779	5.0	394242.0	1.200623	Y
4	IC 410-641051/6	3.75	4.450563	5.0	424307.0	1.186817	Y
5	IC 410-641051/5	7.5	9.464192	5.0	403979.0	1.261892	Y
6	ICIS 410-641051/2	12.5	16.691651	5.0	463358.0	1.335332	Y
7	IC 410-641051/4	20.0	25.54592	5.0	437793.0	1.277296	Y
8	IC 410-641051/3	30.0	38.248539	5.0	411545.0	1.274951	Y



09/19/2025

Calibration / 2,4-Dinitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

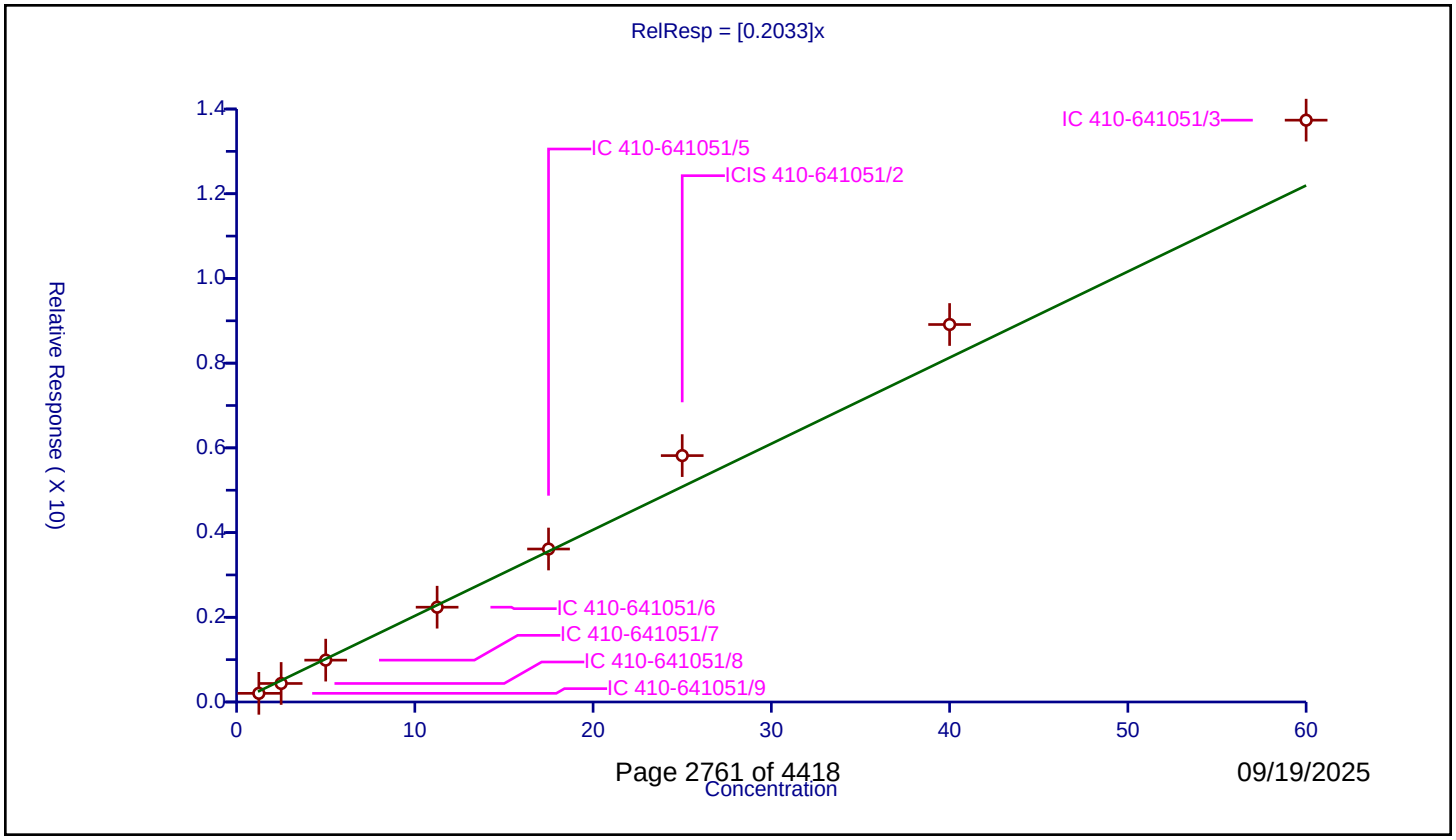
Curve Coefficients

Intercept:	0
Slope:	0.2033

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	1.25	0.20451	5.0	379811.0	0.163608	Y
2	IC 410-641051/8	2.5	0.437455	5.0	385891.0	0.174982	Y
3	IC 410-641051/7	5.0	0.988378	5.0	394242.0	0.197676	Y
4	IC 410-641051/6	11.25	2.237943	5.0	424307.0	0.198928	Y
5	IC 410-641051/5	17.5	3.611722	5.0	403979.0	0.206384	Y
6	ICIS 410-641051/2	25.0	5.817176	5.0	463358.0	0.232687	Y
7	IC 410-641051/4	40.0	8.912454	5.0	437793.0	0.222811	Y
8	IC 410-641051/3	60.0	13.736627	5.0	411545.0	0.228944	Y



Calibration / 4-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

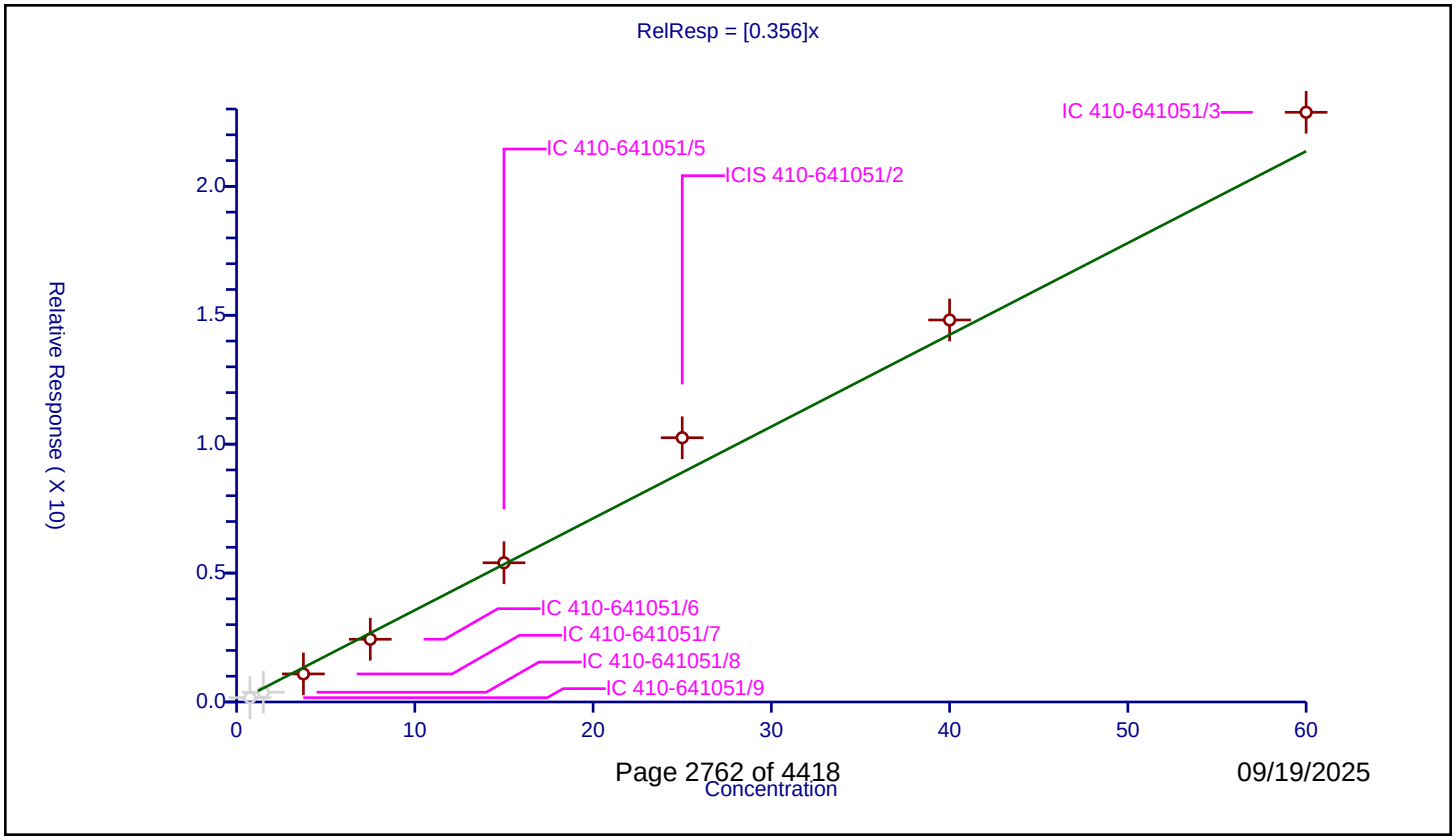
Curve Coefficients

Intercept:	0
Slope:	0.356

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.75	0.167899	5.0	379811.0	0.223866	N
2	IC 410-641051/8	1.5	0.379498	5.0	385891.0	0.252999	N
3	IC 410-641051/7	3.75	1.088481	5.0	394242.0	0.290262	Y
4	IC 410-641051/6	7.5	2.433132	5.0	424307.0	0.324418	Y
5	IC 410-641051/5	15.0	5.399266	5.0	403979.0	0.359951	Y
6	ICIS 410-641051/2	25.0	10.249591	5.0	463358.0	0.409984	Y
7	IC 410-641051/4	40.0	14.817174	5.0	437793.0	0.370429	Y
8	IC 410-641051/3	60.0	22.872383	5.0	411545.0	0.381206	Y



09/19/2025

Calibration / Pentachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

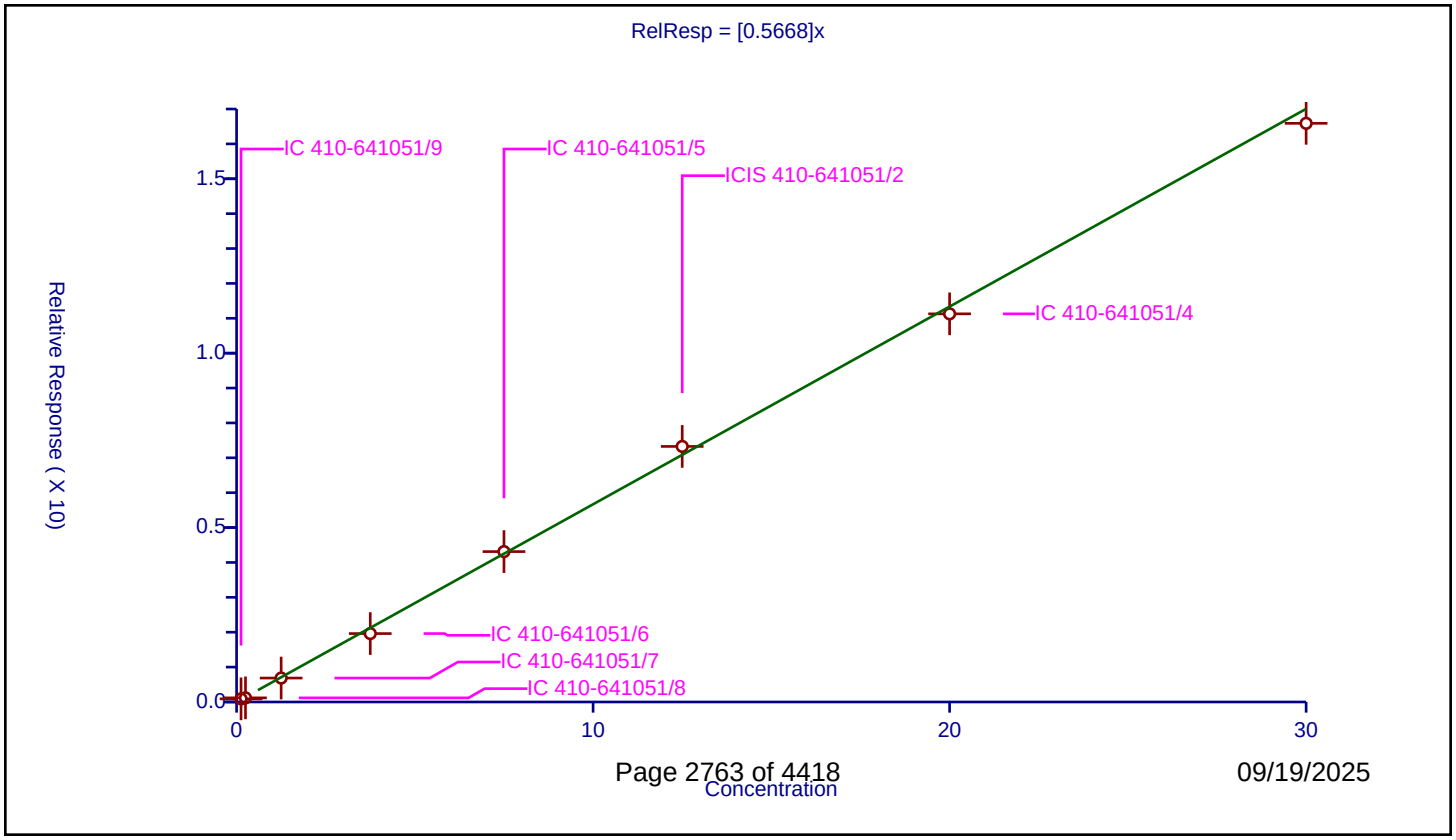
Curve Coefficients

Intercept:	0
Slope:	0.5668

Error Coefficients

Relative Standard Deviation:	12.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.089953	5.0	379811.0	0.719621	Y
2	IC 410-641051/8	0.25	0.118142	5.0	385891.0	0.472569	Y
3	IC 410-641051/7	1.25	0.685987	5.0	394242.0	0.54879	Y
4	IC 410-641051/6	3.75	1.961587	5.0	424307.0	0.52309	Y
5	IC 410-641051/5	7.5	4.311635	5.0	403979.0	0.574885	Y
6	ICIS 410-641051/2	12.5	7.326376	5.0	463358.0	0.58611	Y
7	IC 410-641051/4	20.0	11.127828	5.0	437793.0	0.556391	Y
8	IC 410-641051/3	30.0	16.589304	5.0	411545.0	0.552977	Y



Calibration / 2,4-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

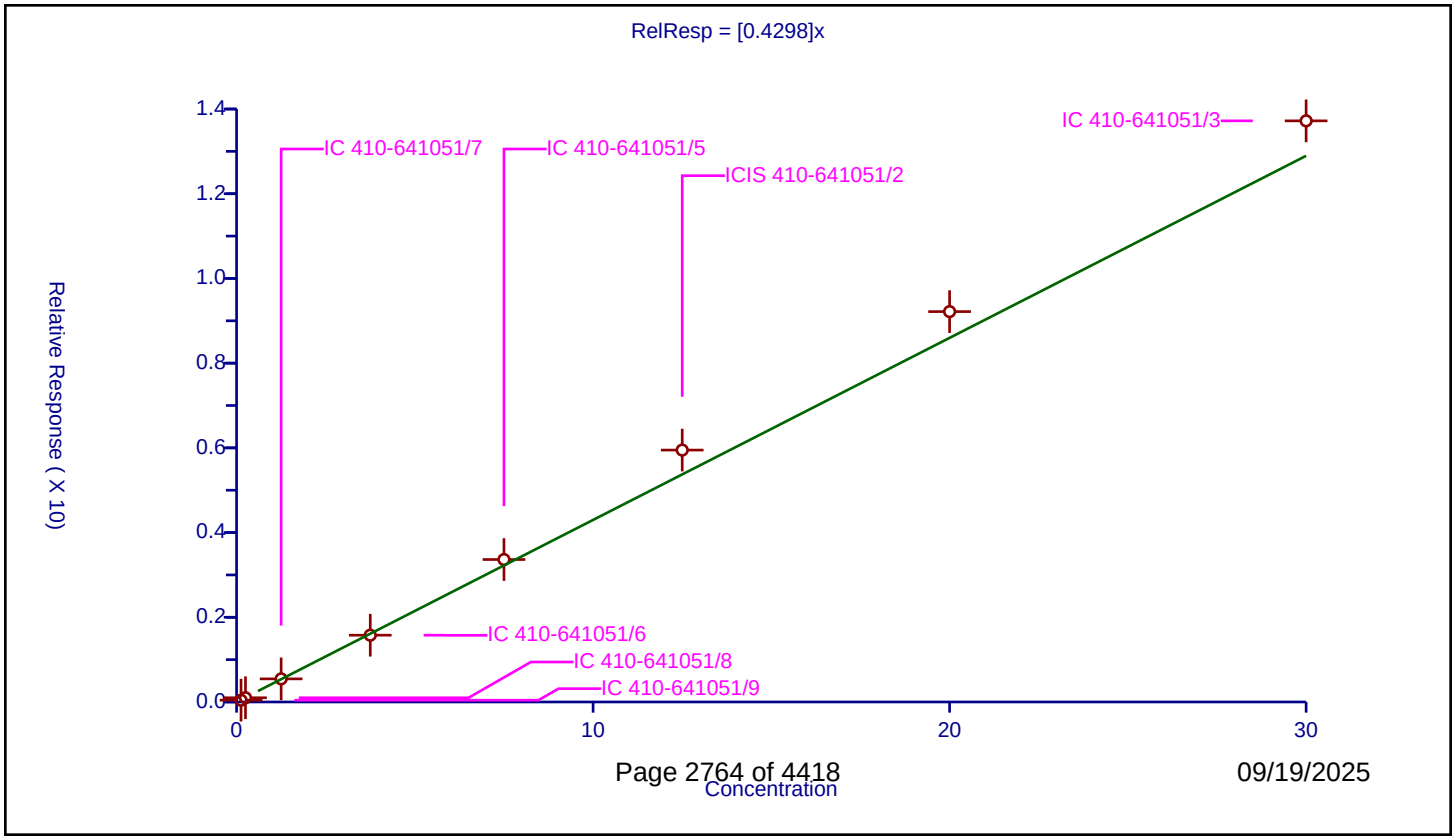
Curve Coefficients

Intercept:	0
Slope:	0.4298

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.042534	5.0	379811.0	0.340275	Y
2	IC 410-641051/8	0.25	0.09973	5.0	385891.0	0.398921	Y
3	IC 410-641051/7	1.25	0.545579	5.0	394242.0	0.436463	Y
4	IC 410-641051/6	3.75	1.57683	5.0	424307.0	0.420488	Y
5	IC 410-641051/5	7.5	3.363343	5.0	403979.0	0.448446	Y
6	ICIS 410-641051/2	12.5	5.947701	5.0	463358.0	0.475816	Y
7	IC 410-641051/4	20.0	9.216776	5.0	437793.0	0.460839	Y
8	IC 410-641051/3	30.0	13.720541	5.0	411545.0	0.457351	Y



Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

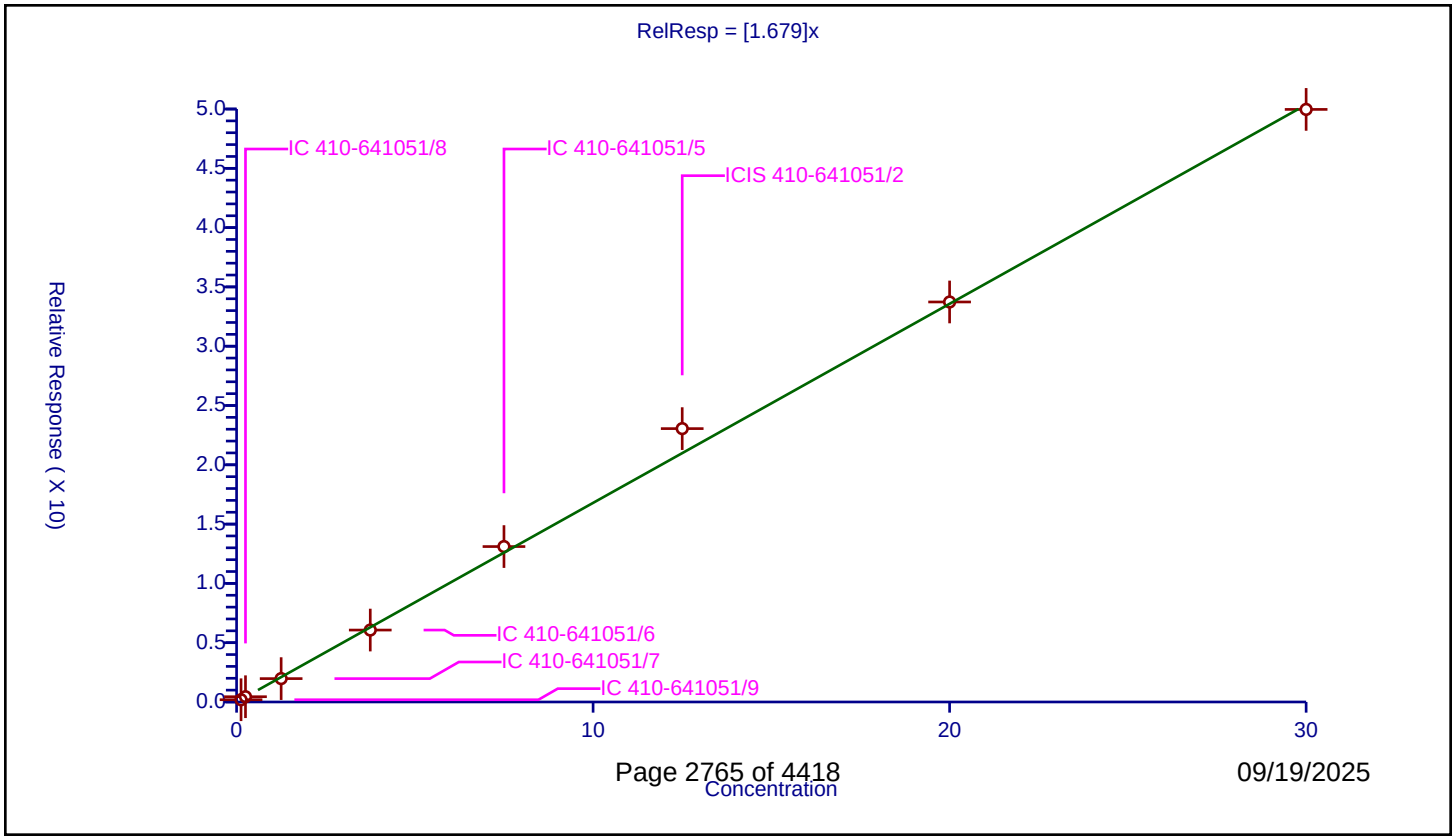
Curve Coefficients

Intercept:	0
Slope:	1.679

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.189937	5.0	379811.0	1.519493	Y
2	IC 410-641051/8	0.25	0.443091	5.0	385891.0	1.772366	Y
3	IC 410-641051/7	1.25	1.970985	5.0	394242.0	1.576788	Y
4	IC 410-641051/6	3.75	6.066197	5.0	424307.0	1.617653	Y
5	IC 410-641051/5	7.5	13.105483	5.0	403979.0	1.747398	Y
6	ICIS 410-641051/2	12.5	23.05128	5.0	463358.0	1.844102	Y
7	IC 410-641051/4	20.0	33.729125	5.0	437793.0	1.686456	Y
8	IC 410-641051/3	30.0	49.965374	5.0	411545.0	1.665512	Y



09/19/2025

Calibration / 1-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

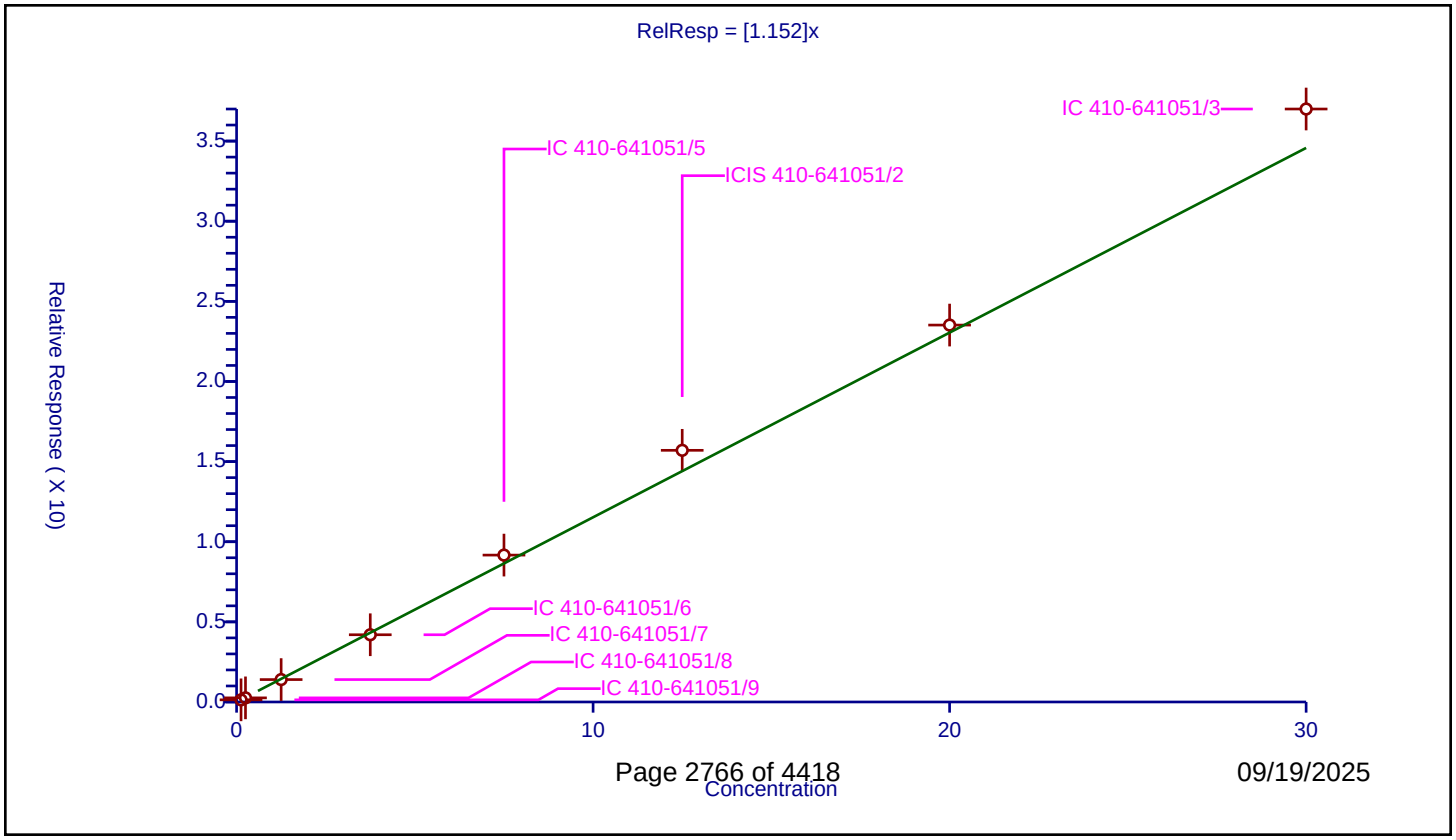
Curve Coefficients

Intercept:	0
Slope:	1.152

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.133264	5.0	379811.0	1.066109	Y
2	IC 410-641051/8	0.25	0.256951	5.0	385891.0	1.027803	Y
3	IC 410-641051/7	1.25	1.398722	5.0	394242.0	1.118978	Y
4	IC 410-641051/6	3.75	4.195005	5.0	424307.0	1.118668	Y
5	IC 410-641051/5	7.5	9.166293	5.0	403979.0	1.222172	Y
6	ICIS 410-641051/2	12.5	15.703646	5.0	463358.0	1.256292	Y
7	IC 410-641051/4	20.0	23.519323	5.0	437793.0	1.175966	Y
8	IC 410-641051/3	30.0	36.999526	5.0	411545.0	1.233318	Y



09/19/2025

Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

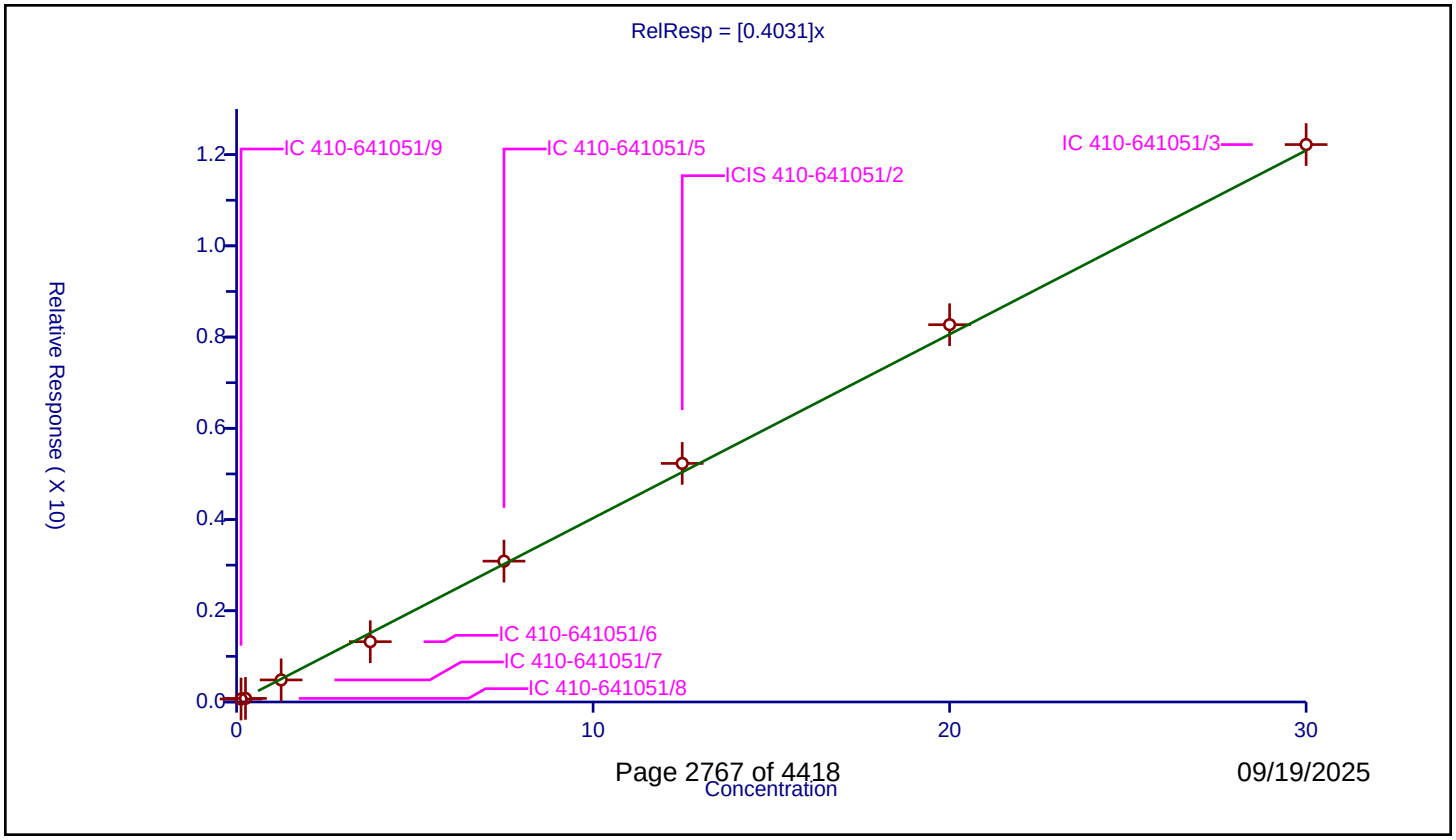
Curve Coefficients

Intercept:	0
Slope:	0.4031

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.065006	5.0	379811.0	0.520048	Y
2	IC 410-641051/8	0.25	0.078429	5.0	385891.0	0.313716	Y
3	IC 410-641051/7	1.25	0.483776	5.0	394242.0	0.387021	Y
4	IC 410-641051/6	3.75	1.322274	5.0	424307.0	0.352606	Y
5	IC 410-641051/5	7.5	3.08771	5.0	403979.0	0.411695	Y
6	ICIS 410-641051/2	12.5	5.230621	5.0	463358.0	0.41845	Y
7	IC 410-641051/4	20.0	8.271717	5.0	437793.0	0.413586	Y
8	IC 410-641051/3	30.0	12.220814	5.0	411545.0	0.40736	Y



Calibration / 2-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

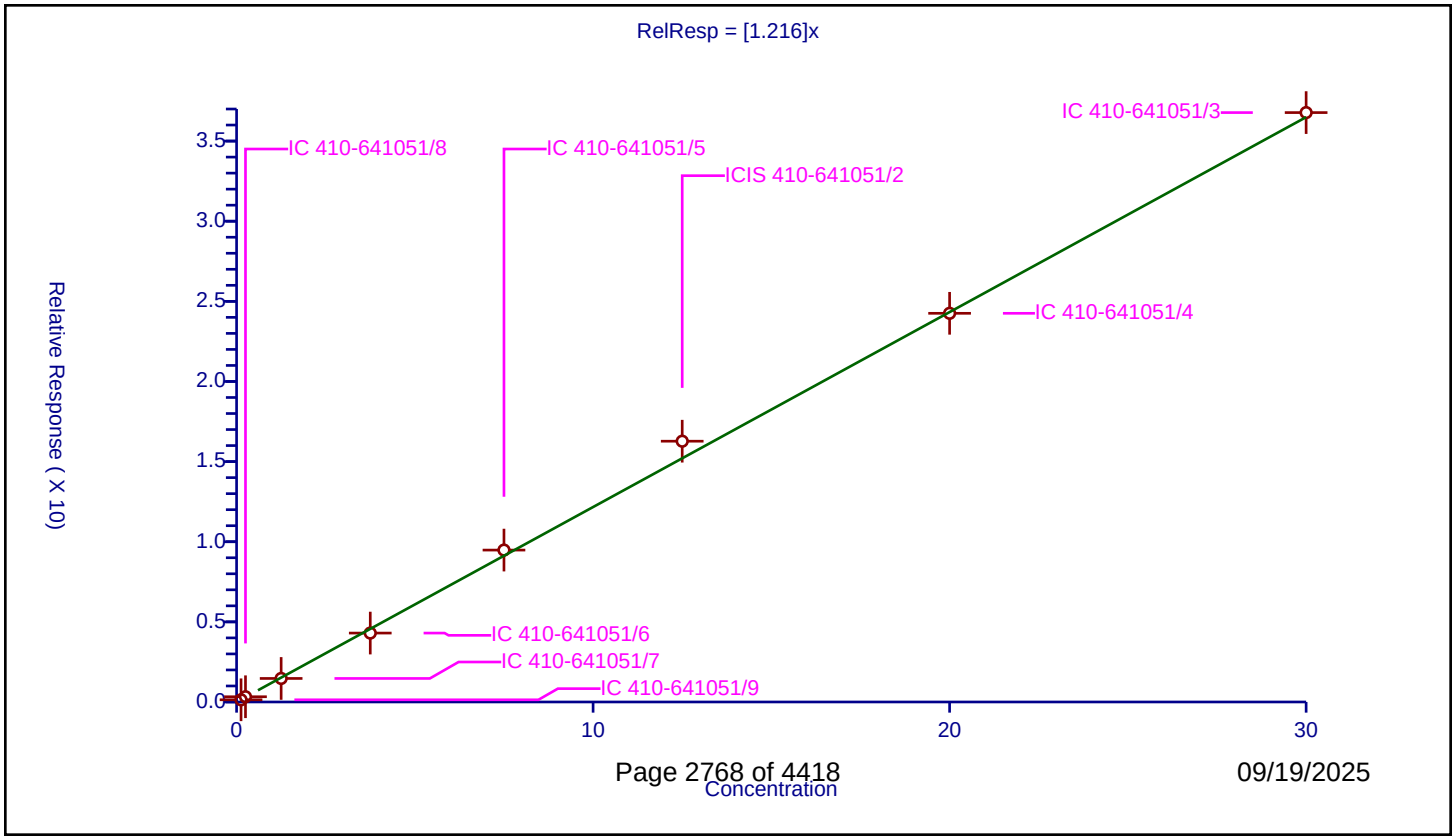
Curve Coefficients

Intercept:	0
Slope:	1.216

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.137292	5.0	379811.0	1.098336	Y
2	IC 410-641051/8	0.25	0.326945	5.0	385891.0	1.307779	Y
3	IC 410-641051/7	1.25	1.467867	5.0	394242.0	1.174294	Y
4	IC 410-641051/6	3.75	4.299941	5.0	424307.0	1.146651	Y
5	IC 410-641051/5	7.5	9.478785	5.0	403979.0	1.263838	Y
6	ICIS 410-641051/2	12.5	16.27313	5.0	463358.0	1.30185	Y
7	IC 410-641051/4	20.0	24.253083	5.0	437793.0	1.212654	Y
8	IC 410-641051/3	30.0	36.776294	5.0	411545.0	1.225876	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

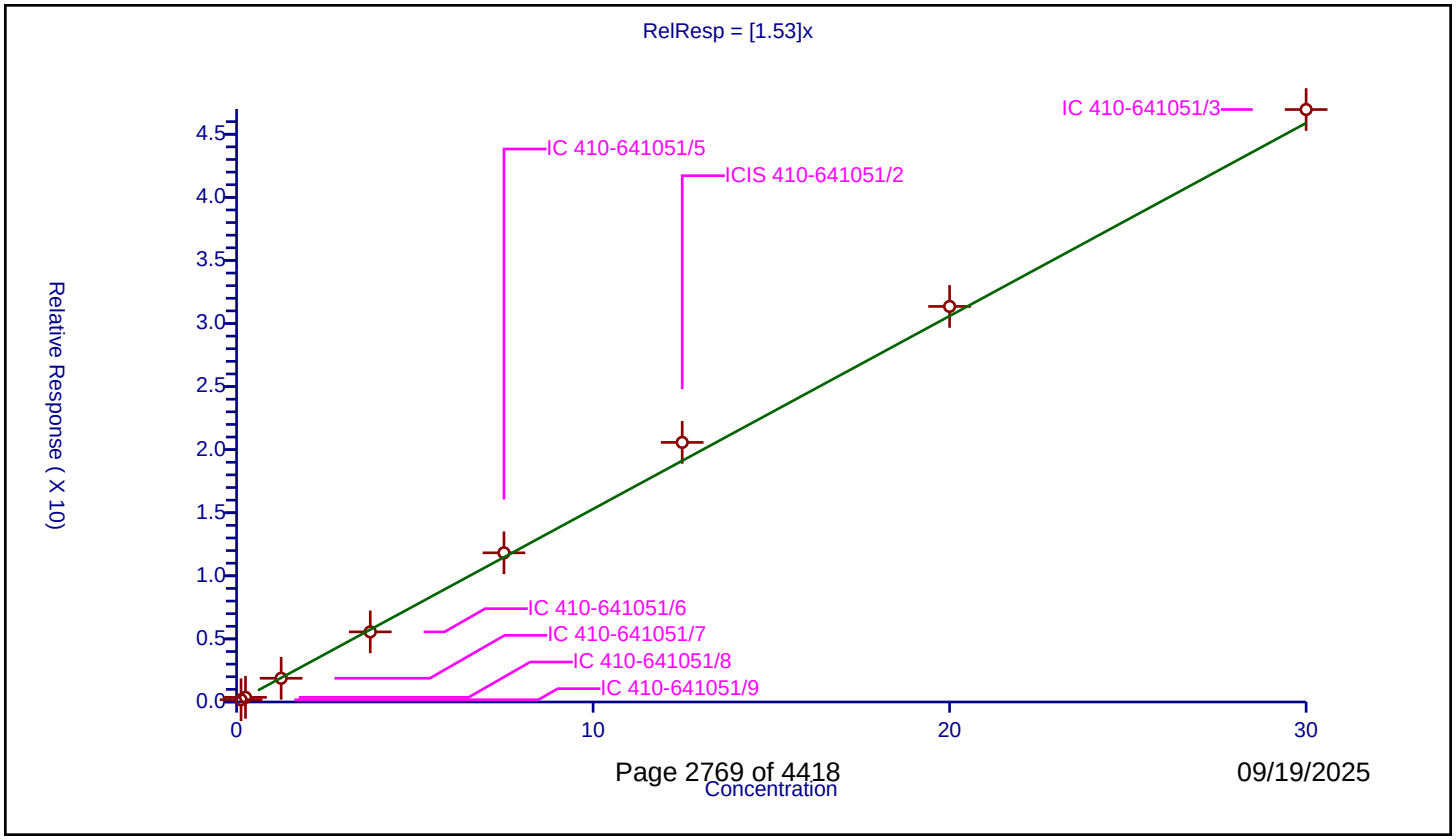
Curve Coefficients

Intercept:	0
Slope:	1.53

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.178957	5.0	379811.0	1.431659	Y
2	IC 410-641051/8	0.25	0.365855	5.0	385891.0	1.463418	Y
3	IC 410-641051/7	1.25	1.881065	5.0	394242.0	1.504852	Y
4	IC 410-641051/6	3.75	5.557474	5.0	424307.0	1.481993	Y
5	IC 410-641051/5	7.5	11.822855	5.0	403979.0	1.576381	Y
6	ICIS 410-641051/2	12.5	20.574739	5.0	463358.0	1.645979	Y
7	IC 410-641051/4	20.0	31.3521	5.0	437793.0	1.567605	Y
8	IC 410-641051/3	30.0	46.959931	5.0	411545.0	1.565331	Y



09/19/2025

Calibration / Thionazin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

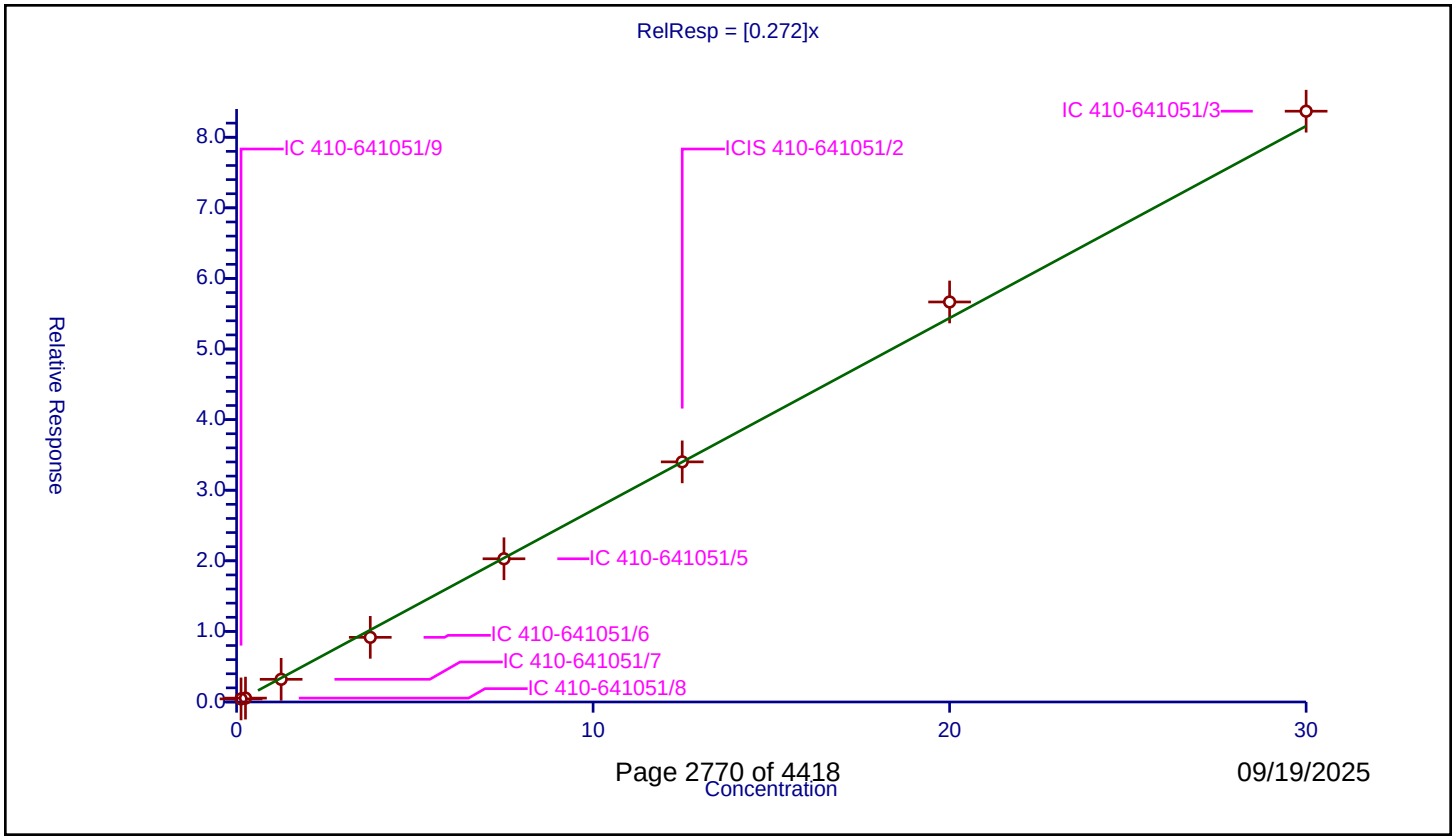
Curve Coefficients

Intercept:	0
Slope:	0.272

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.043653	5.0	379811.0	0.349226	Y
2	IC 410-641051/8	0.25	0.05508	5.0	385891.0	0.220321	Y
3	IC 410-641051/7	1.25	0.321161	5.0	394242.0	0.256928	Y
4	IC 410-641051/6	3.75	0.916047	5.0	424307.0	0.244279	Y
5	IC 410-641051/5	7.5	2.028719	5.0	403979.0	0.270496	Y
6	ICIS 410-641051/2	12.5	3.401646	5.0	463358.0	0.272132	Y
7	IC 410-641051/4	20.0	5.666662	5.0	437793.0	0.283333	Y
8	IC 410-641051/3	30.0	8.369024	5.0	411545.0	0.278967	Y



09/19/2025

Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

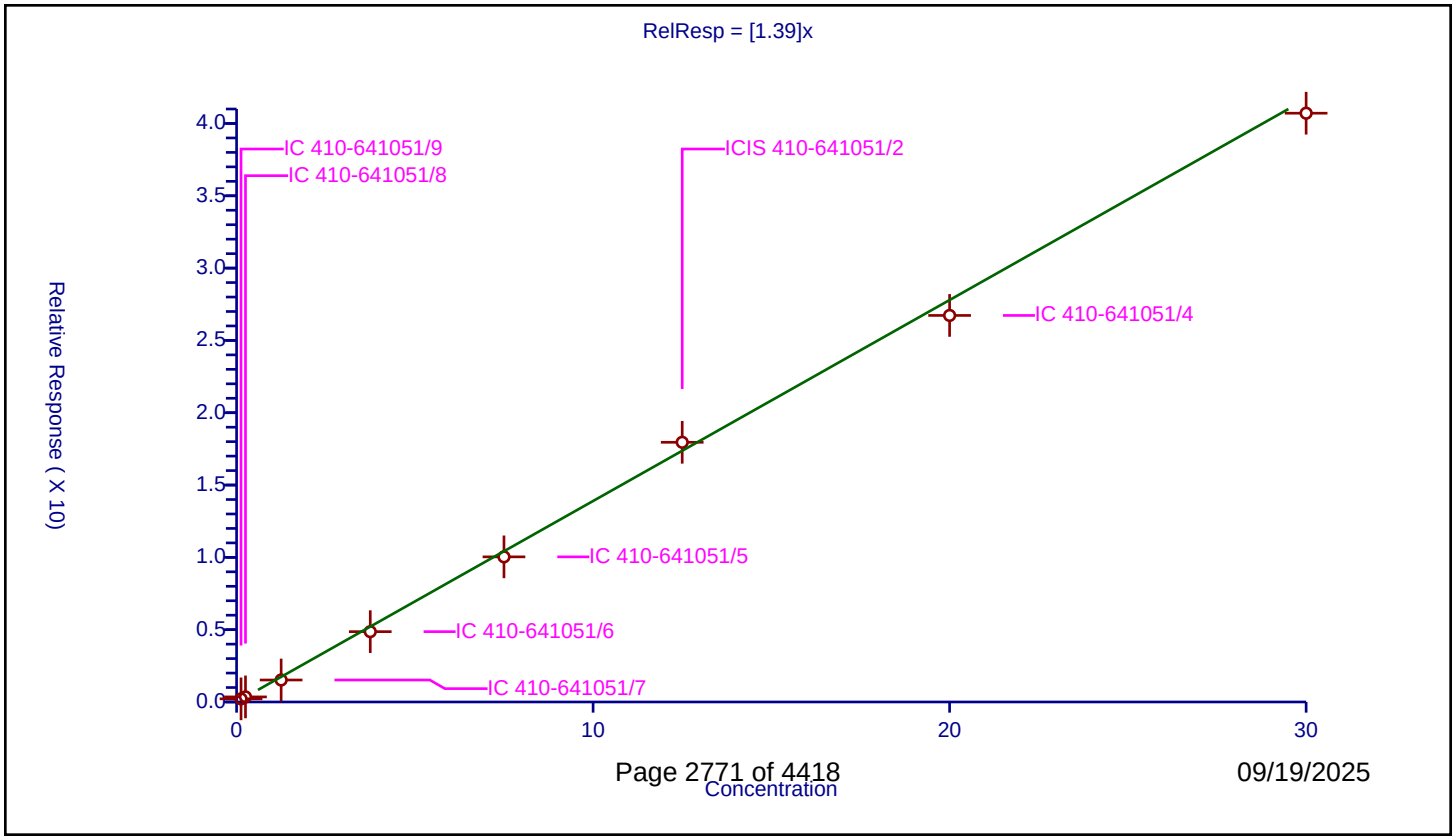
Curve Coefficients

Intercept:	0
Slope:	1.39

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.216502	5.0	379811.0	1.732019	Y
2	IC 410-641051/8	0.25	0.351278	5.0	385891.0	1.405112	Y
3	IC 410-641051/7	1.25	1.519333	5.0	394242.0	1.215467	Y
4	IC 410-641051/6	3.75	4.863825	5.0	424307.0	1.29702	Y
5	IC 410-641051/5	7.5	10.034989	5.0	403979.0	1.337999	Y
6	ICIS 410-641051/2	12.5	17.956623	5.0	463358.0	1.43653	Y
7	IC 410-641051/4	20.0	26.726295	5.0	437793.0	1.336315	Y
8	IC 410-641051/3	30.0	40.711271	5.0	411545.0	1.357042	Y



Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

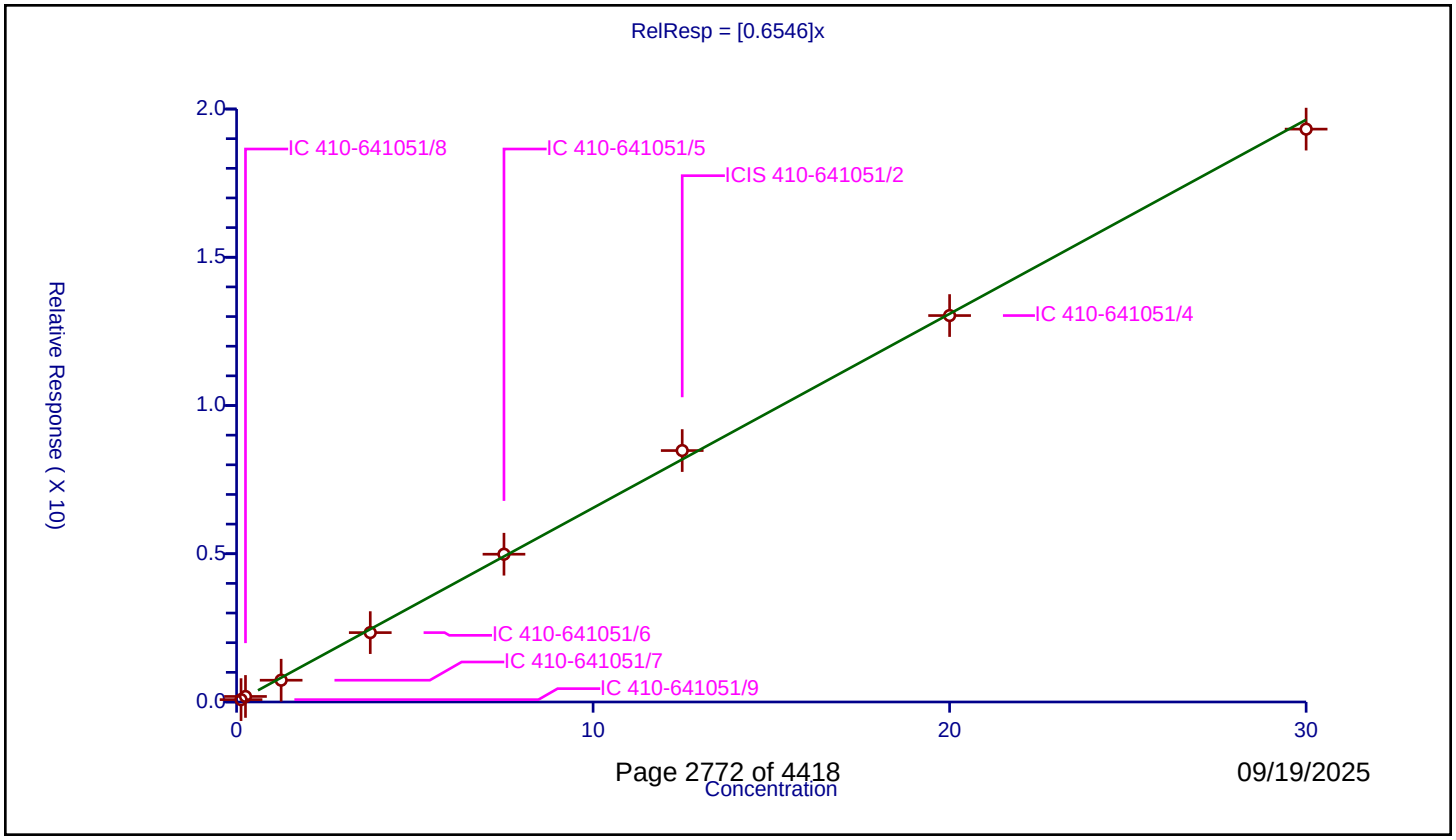
Curve Coefficients

Intercept:	0
Slope:	0.6546

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.080027	5.0	379811.0	0.640213	Y
2	IC 410-641051/8	0.25	0.186542	5.0	385891.0	0.746169	Y
3	IC 410-641051/7	1.25	0.734828	5.0	394242.0	0.587862	Y
4	IC 410-641051/6	3.75	2.339474	5.0	424307.0	0.62386	Y
5	IC 410-641051/5	7.5	4.984083	5.0	403979.0	0.664544	Y
6	ICIS 410-641051/2	12.5	8.480473	5.0	463358.0	0.678438	Y
7	IC 410-641051/4	20.0	13.034002	5.0	437793.0	0.6517	Y
8	IC 410-641051/3	30.0	19.321435	5.0	411545.0	0.644048	Y



Calibration / N-Nitro-o-toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

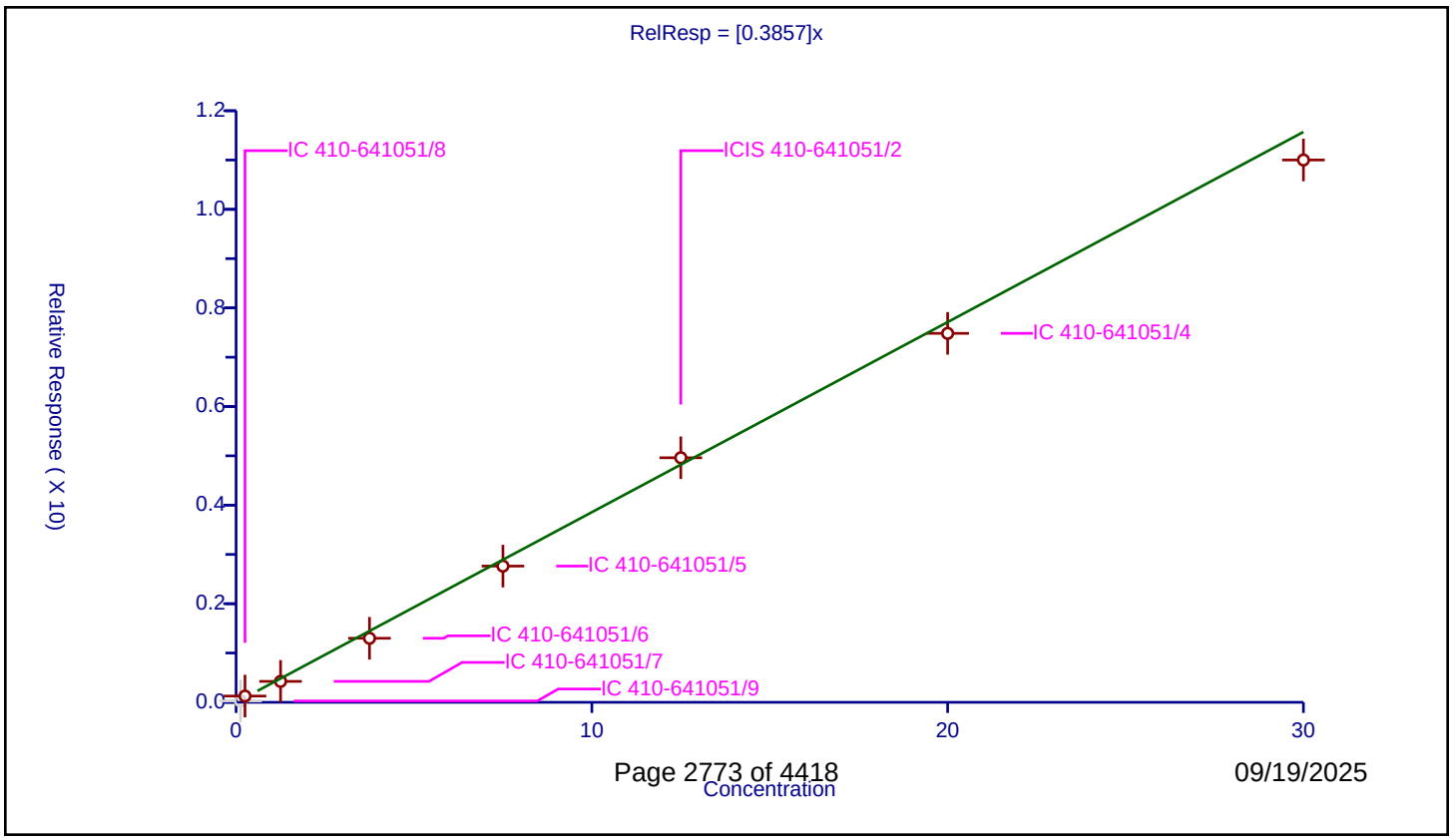
Curve Coefficients

Intercept:	0
Slope:	0.3857

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.027343	5.0	379811.0	0.21874	N
2	IC 410-641051/8	0.25	0.126888	5.0	385891.0	0.507553	Y
3	IC 410-641051/7	1.25	0.424206	5.0	394242.0	0.339365	Y
4	IC 410-641051/6	3.75	1.299142	5.0	424307.0	0.346438	Y
5	IC 410-641051/5	7.5	2.763498	5.0	403979.0	0.368466	Y
6	ICIS 410-641051/2	12.5	4.960916	5.0	463358.0	0.396873	Y
7	IC 410-641051/4	20.0	7.484062	5.0	437793.0	0.374203	Y
8	IC 410-641051/3	30.0	11.001239	5.0	411545.0	0.366708	Y



Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

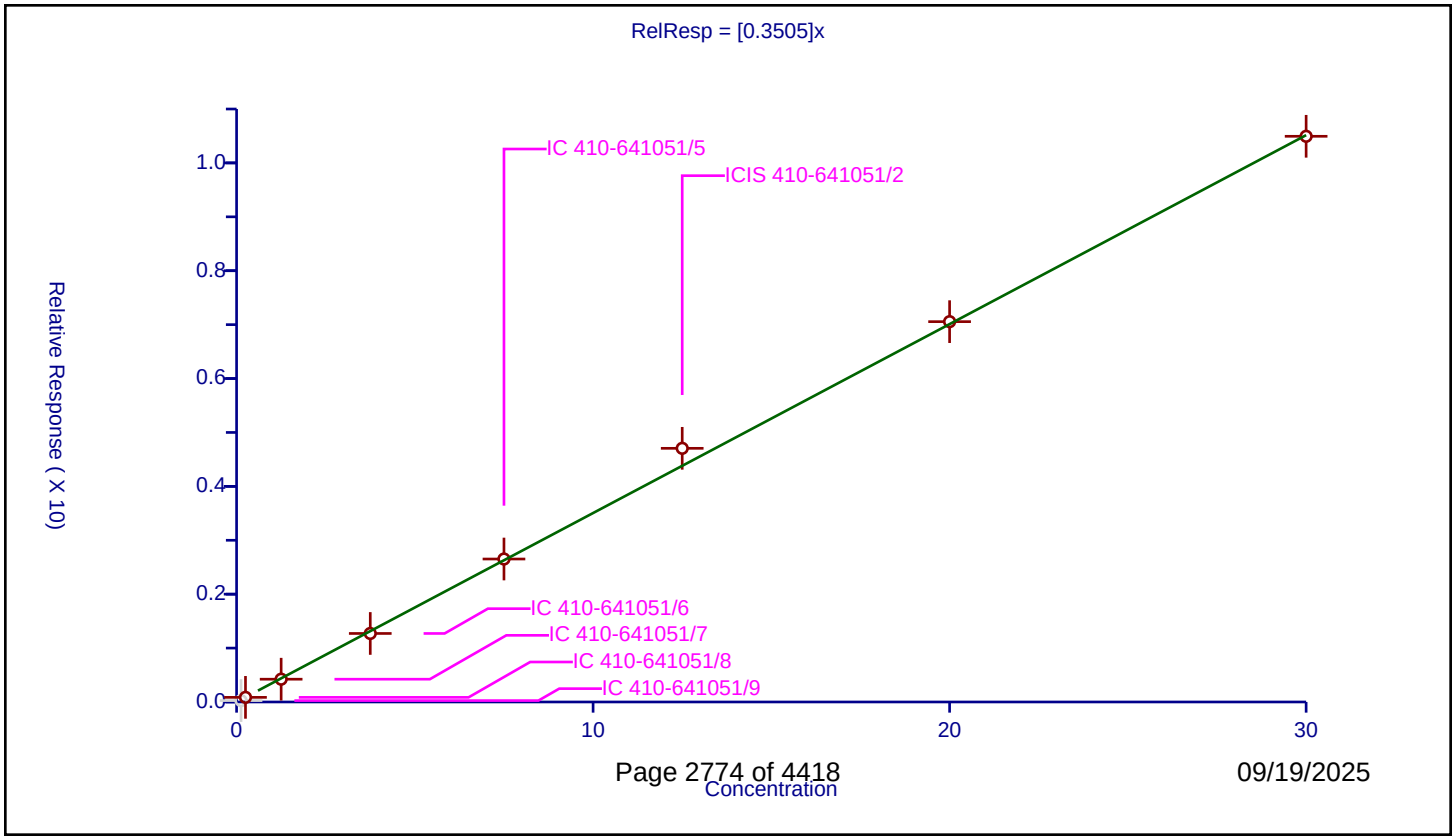
Curve Coefficients

Intercept:	0
Slope:	0.3505

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.026105	5.0	379811.0	0.208841	N
2	IC 410-641051/8	0.25	0.085931	5.0	385891.0	0.343724	Y
3	IC 410-641051/7	1.25	0.422735	5.0	394242.0	0.338188	Y
4	IC 410-641051/6	3.75	1.270849	5.0	424307.0	0.338893	Y
5	IC 410-641051/5	7.5	2.652403	5.0	403979.0	0.353654	Y
6	ICIS 410-641051/2	12.5	4.705638	5.0	463358.0	0.376451	Y
7	IC 410-641051/4	20.0	7.055515	5.0	437793.0	0.352776	Y
8	IC 410-641051/3	30.0	10.494174	5.0	411545.0	0.349806	Y



Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

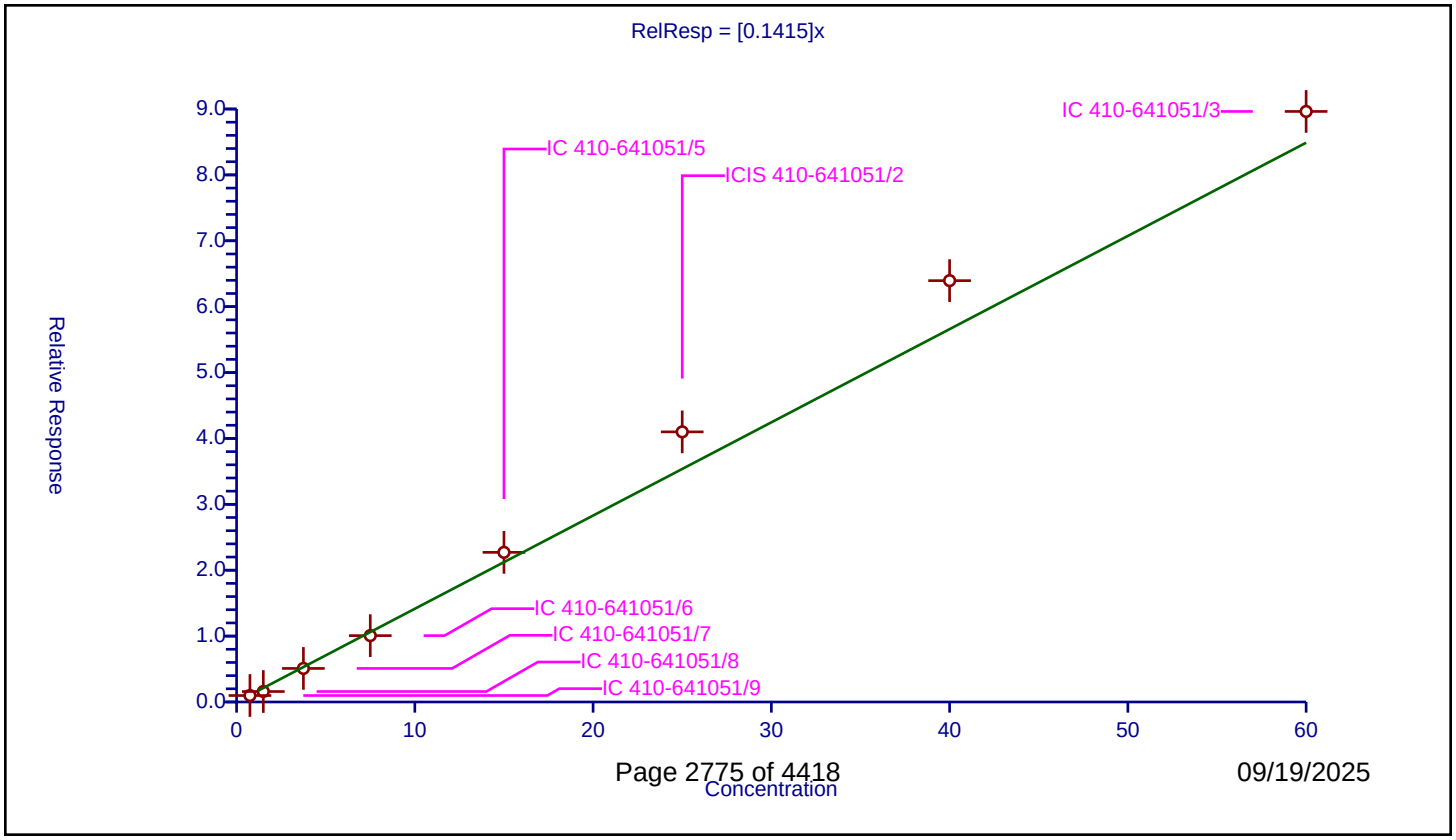
Curve Coefficients

Intercept:	0
Slope:	0.1415

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.75	0.098273	5.0	776661.0	0.131031	Y
2	IC 410-641051/8	1.5	0.158884	5.0	763891.0	0.105923	Y
3	IC 410-641051/7	3.75	0.509493	5.0	753435.0	0.135865	Y
4	IC 410-641051/6	7.5	1.007254	5.0	780250.0	0.134301	Y
5	IC 410-641051/5	15.0	2.271141	5.0	728024.0	0.151409	Y
6	ICIS 410-641051/2	25.0	4.099618	5.0	806658.0	0.163985	Y
7	IC 410-641051/4	40.0	6.395229	5.0	805341.0	0.159881	Y
8	IC 410-641051/3	60.0	8.963107	5.0	803087.0	0.149385	Y



09/19/2025

Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

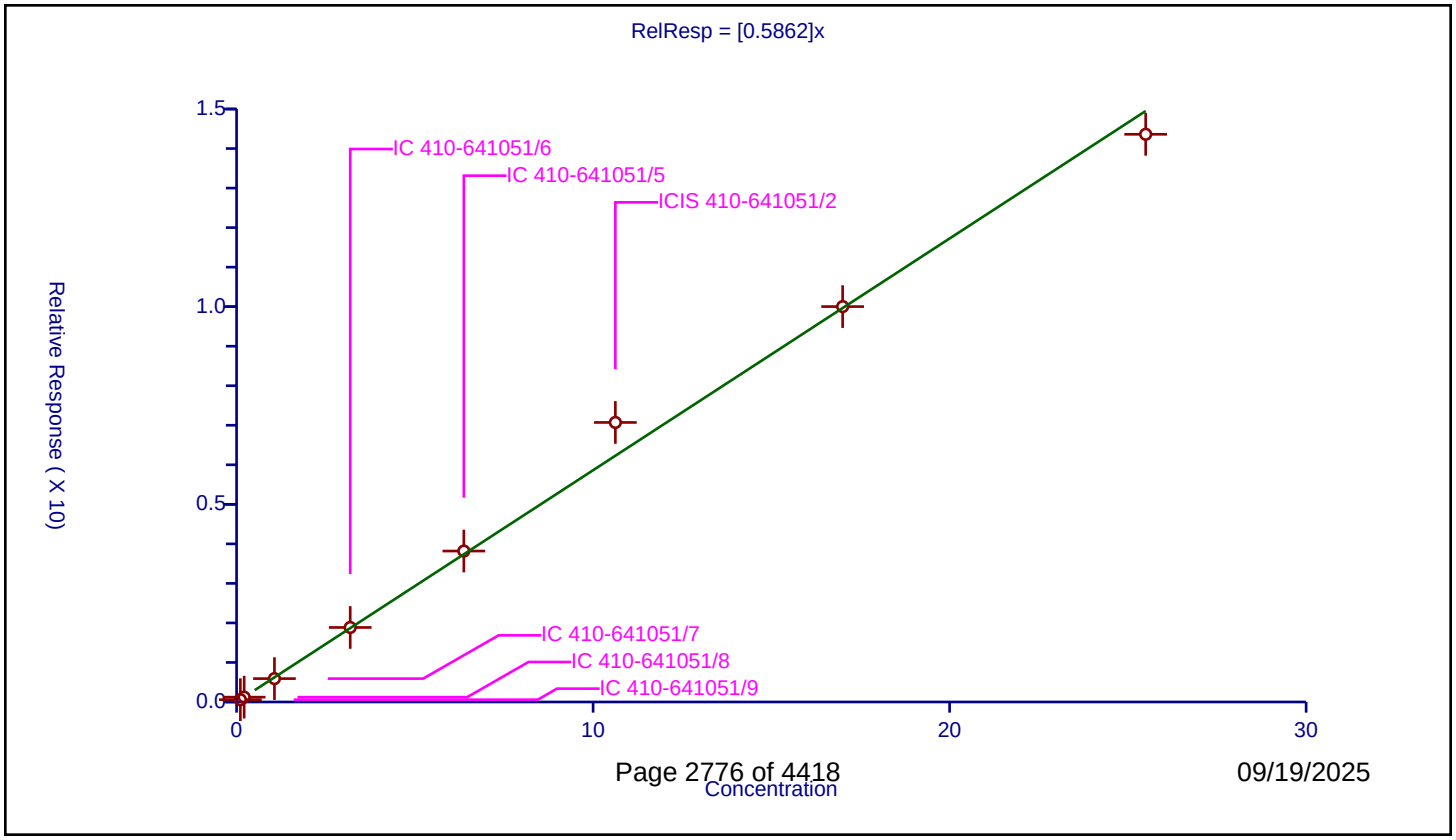
Curve Coefficients

Intercept:	0
Slope:	0.5862

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.10625	0.058526	5.0	776661.0	0.550835	Y
2	IC 410-641051/8	0.2125	0.12221	5.0	763891.0	0.575105	Y
3	IC 410-641051/7	1.0625	0.591292	5.0	753435.0	0.55651	Y
4	IC 410-641051/6	3.1875	1.885203	5.0	780250.0	0.591436	Y
5	IC 410-641051/5	6.375	3.81848	5.0	728024.0	0.598977	Y
6	ICIS 410-641051/2	10.625	7.071101	5.0	806658.0	0.665515	Y
7	IC 410-641051/4	17.0	10.002142	5.0	805341.0	0.588361	Y
8	IC 410-641051/3	25.5	14.36076	5.0	803087.0	0.563167	Y



Calibration / 1,2-Diphenylhydrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

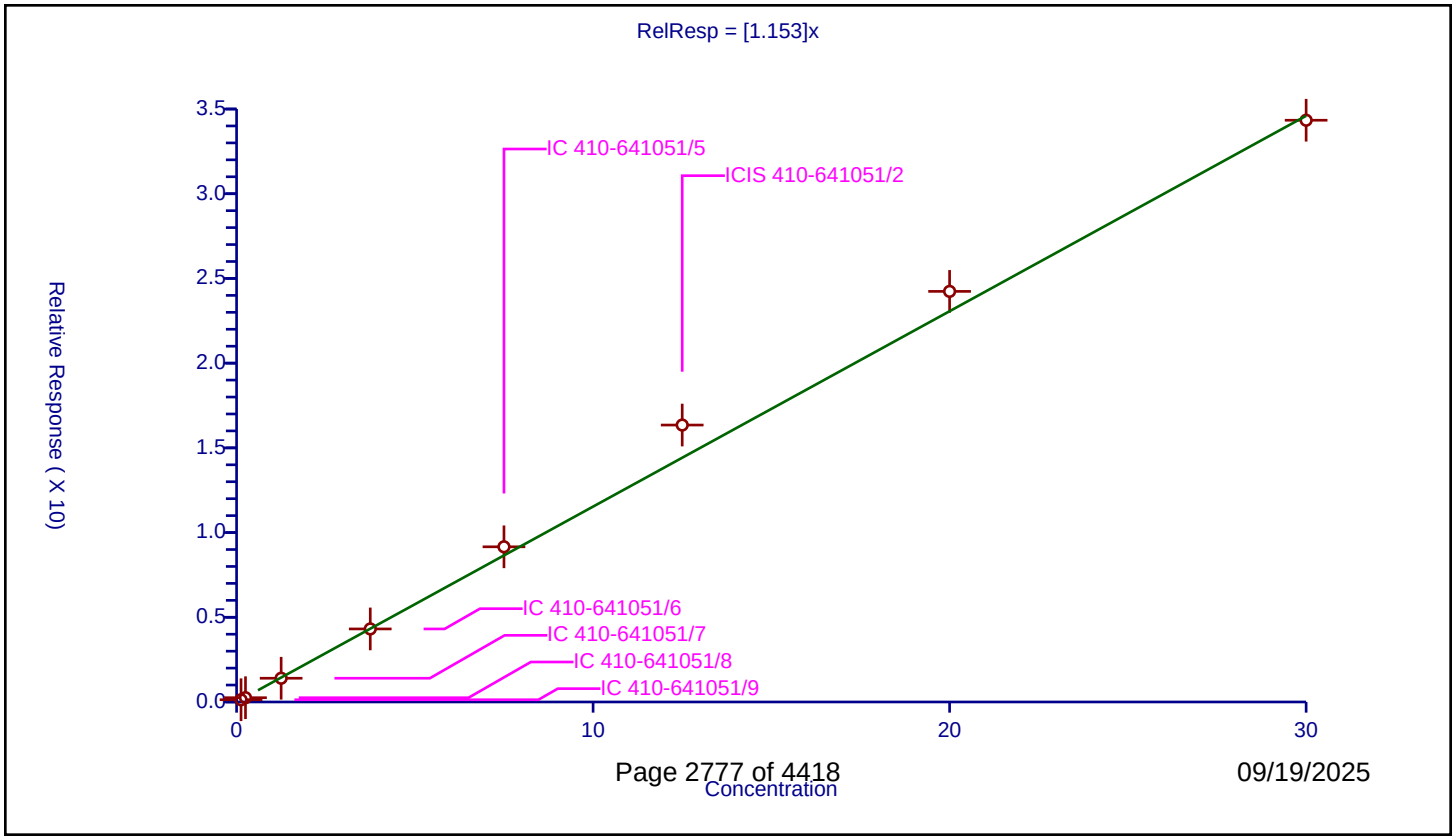
Curve Coefficients

Intercept:	0
Slope:	1.153

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.132606	5.0	776661.0	1.060849	Y
2	IC 410-641051/8	0.25	0.252143	5.0	763891.0	1.008573	Y
3	IC 410-641051/7	1.25	1.402132	5.0	753435.0	1.121705	Y
4	IC 410-641051/6	3.75	4.311451	5.0	780250.0	1.14972	Y
5	IC 410-641051/5	7.5	9.159568	5.0	728024.0	1.221276	Y
6	ICIS 410-641051/2	12.5	16.34645	5.0	806658.0	1.307716	Y
7	IC 410-641051/4	20.0	24.235541	5.0	805341.0	1.211777	Y
8	IC 410-641051/3	30.0	34.337594	5.0	803087.0	1.144586	Y



Calibration / 2,4,6-Tribromophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

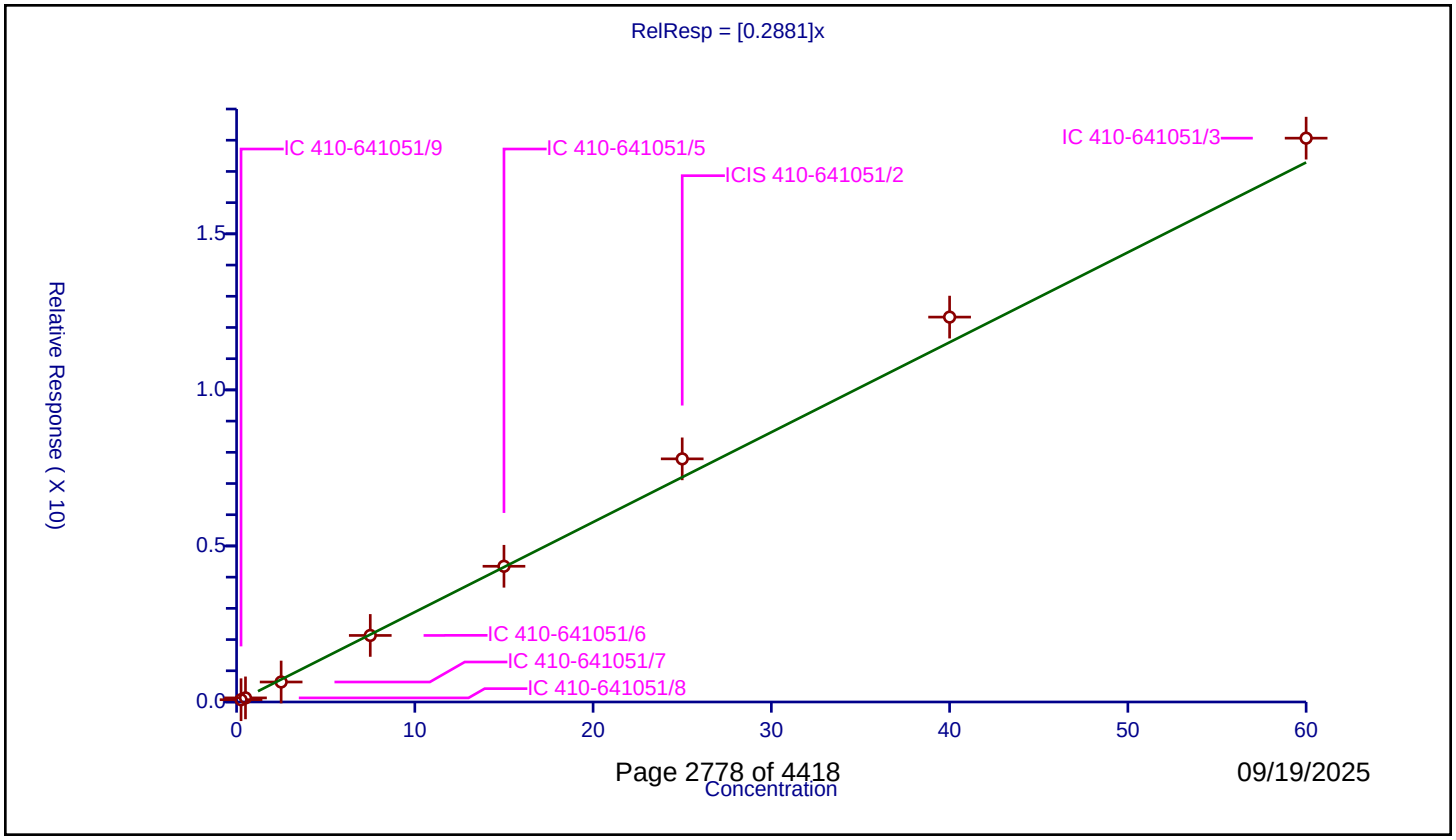
Curve Coefficients

Intercept:	0
Slope:	0.2881

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.25	0.072971	5.0	379811.0	0.291882	Y
2	IC 410-641051/8	0.5	0.130879	5.0	385891.0	0.261758	Y
3	IC 410-641051/7	2.5	0.640672	5.0	394242.0	0.256269	Y
4	IC 410-641051/6	7.5	2.131912	5.0	424307.0	0.284255	Y
5	IC 410-641051/5	15.0	4.348667	5.0	403979.0	0.289911	Y
6	ICIS 410-641051/2	25.0	7.790024	5.0	463358.0	0.311601	Y
7	IC 410-641051/4	40.0	12.332723	5.0	437793.0	0.308318	Y
8	IC 410-641051/3	60.0	18.065922	5.0	411545.0	0.301099	Y



09/19/2025

Calibration / Sulfotepp

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

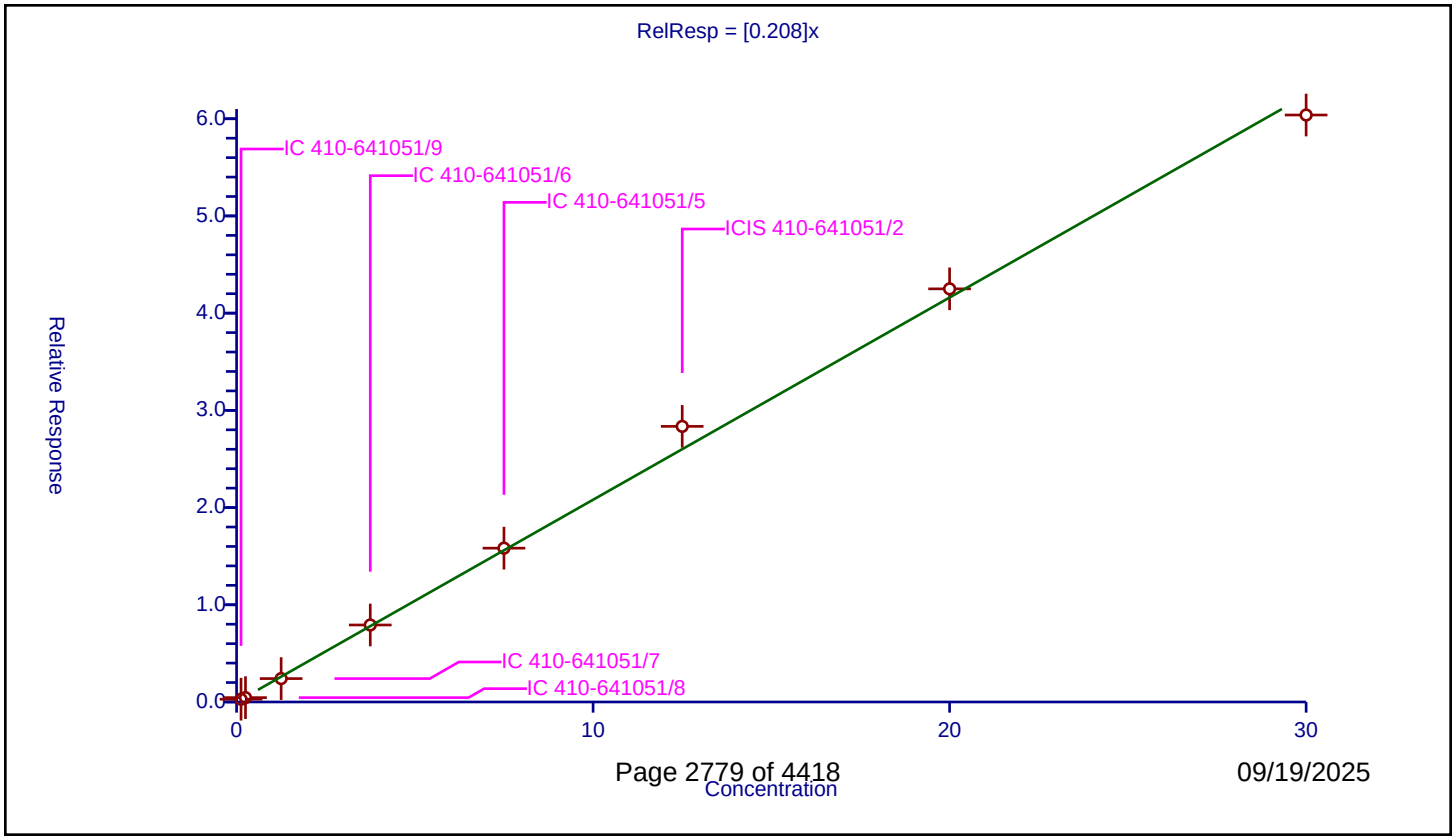
Curve Coefficients

Intercept:	0
Slope:	0.208

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.028745	5.0	776661.0	0.229959	Y
2	IC 410-641051/8	0.25	0.044732	5.0	763891.0	0.178926	Y
3	IC 410-641051/7	1.25	0.240791	5.0	753435.0	0.192632	Y
4	IC 410-641051/6	3.75	0.792105	5.0	780250.0	0.211228	Y
5	IC 410-641051/5	7.5	1.582503	5.0	728024.0	0.211	Y
6	ICIS 410-641051/2	12.5	2.83526	5.0	806658.0	0.226821	Y
7	IC 410-641051/4	20.0	4.249982	5.0	805341.0	0.212499	Y
8	IC 410-641051/3	30.0	6.038318	5.0	803087.0	0.201277	Y



Calibration / 1,3,5-Trinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

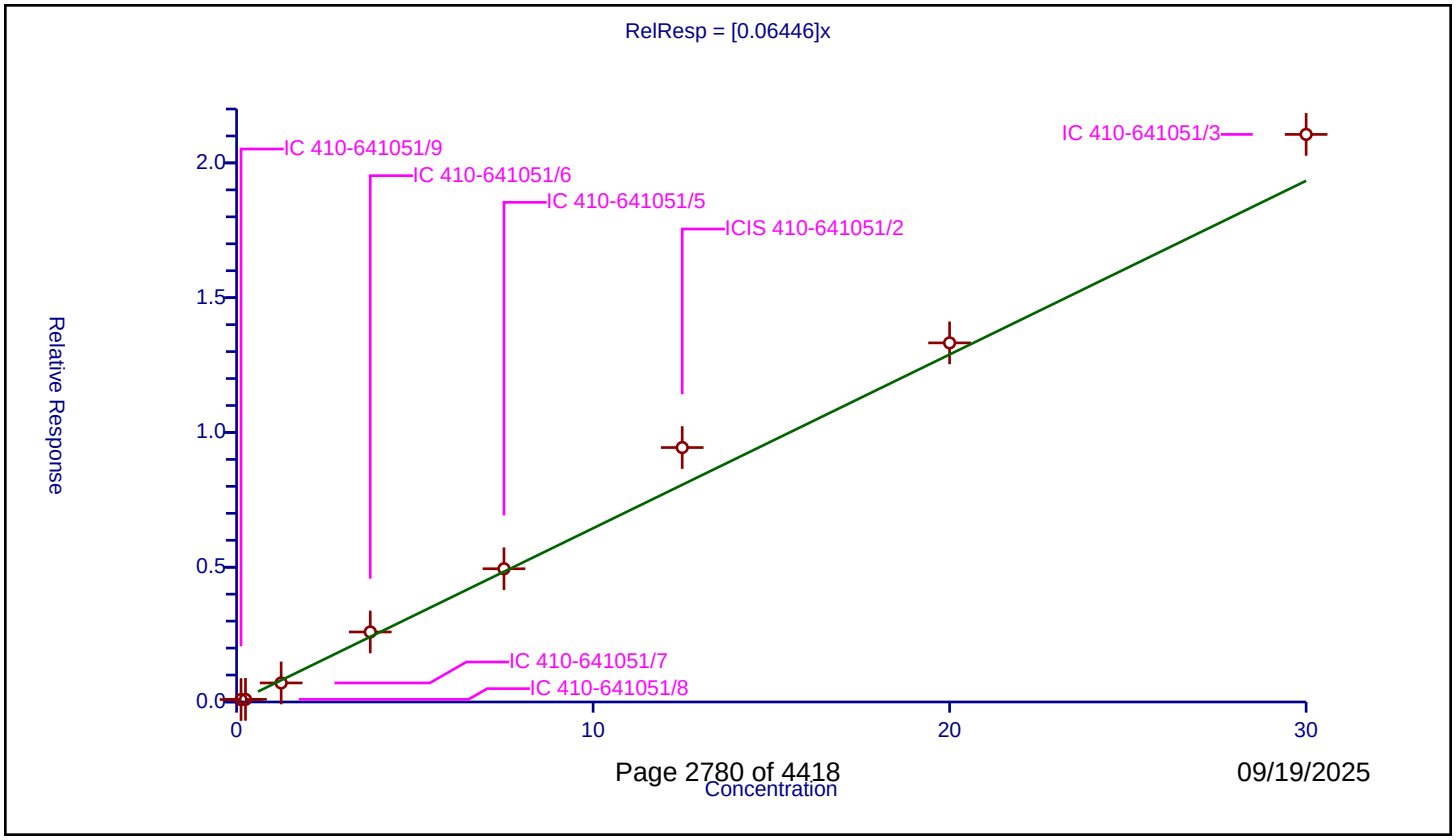
Curve Coefficients

Intercept:	0
Slope:	0.06446

Error Coefficients

Relative Standard Deviation:	18.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.009084	5.0	776661.0	0.07267	Y
2	IC 410-641051/8	0.25	0.009746	5.0	763891.0	0.038985	Y
3	IC 410-641051/7	1.25	0.07065	5.0	753435.0	0.05652	Y
4	IC 410-641051/6	3.75	0.259712	5.0	780250.0	0.069256	Y
5	IC 410-641051/5	7.5	0.494324	5.0	728024.0	0.06591	Y
6	ICIS 410-641051/2	12.5	0.943994	5.0	806658.0	0.075519	Y
7	IC 410-641051/4	20.0	1.332349	5.0	805341.0	0.066617	Y
8	IC 410-641051/3	30.0	2.105837	5.0	803087.0	0.070195	Y



Calibration / cis-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

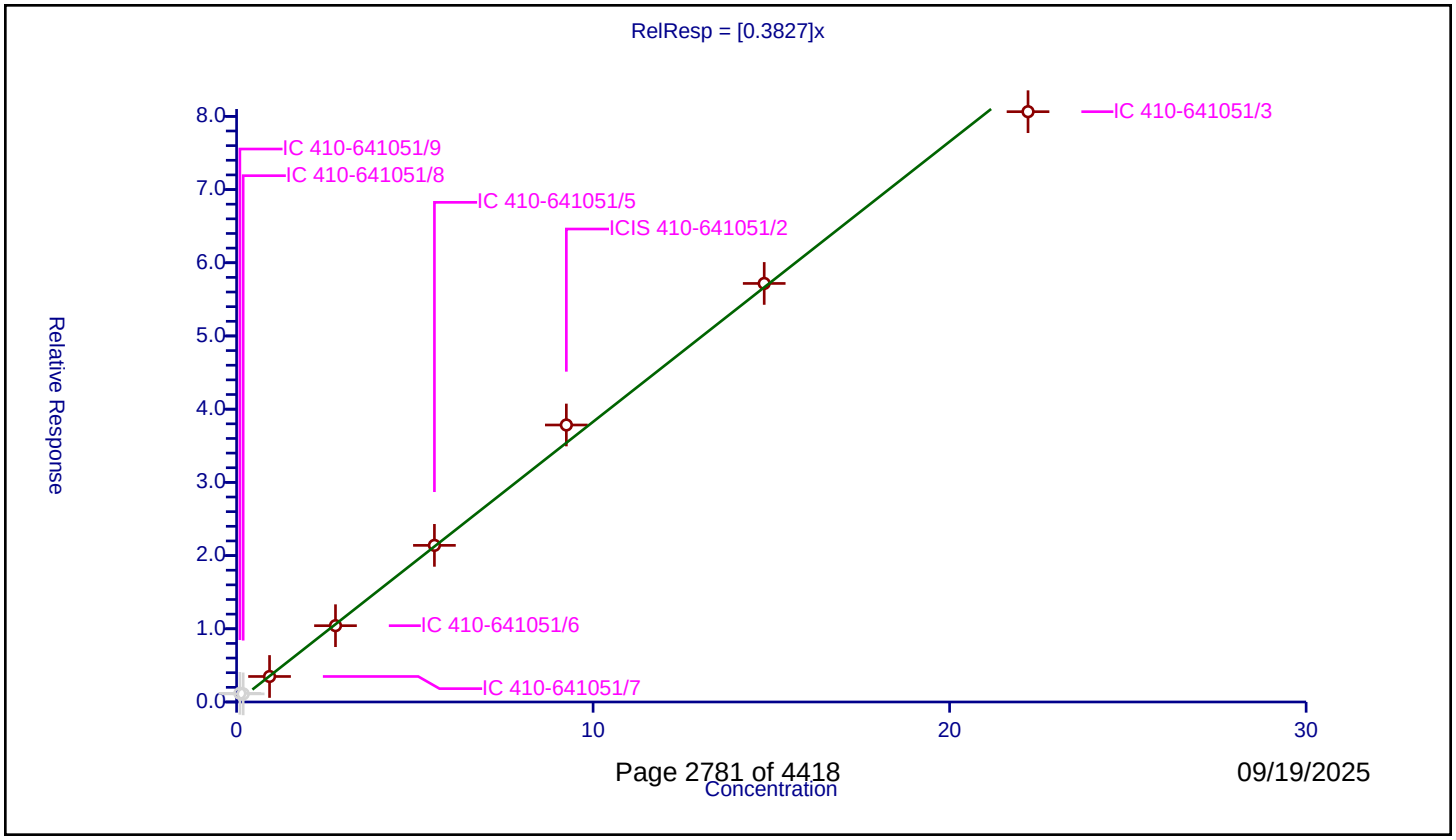
Curve Coefficients

Intercept:	0
Slope:	0.3827

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.0925	0.117703	5.0	776661.0	1.27246	N
2	IC 410-641051/8	0.185	0.110808	5.0	763891.0	0.598961	N
3	IC 410-641051/7	0.925	0.348252	5.0	753435.0	0.376488	Y
4	IC 410-641051/6	2.775	1.042525	5.0	780250.0	0.375685	Y
5	IC 410-641051/5	5.55	2.139655	5.0	728024.0	0.385523	Y
6	ICIS 410-641051/2	9.25	3.783853	5.0	806658.0	0.409065	Y
7	IC 410-641051/4	14.8	5.717367	5.0	805341.0	0.386309	Y
8	IC 410-641051/3	22.2	8.063647	5.0	803087.0	0.363227	Y



09/19/2025

Calibration / Phorate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

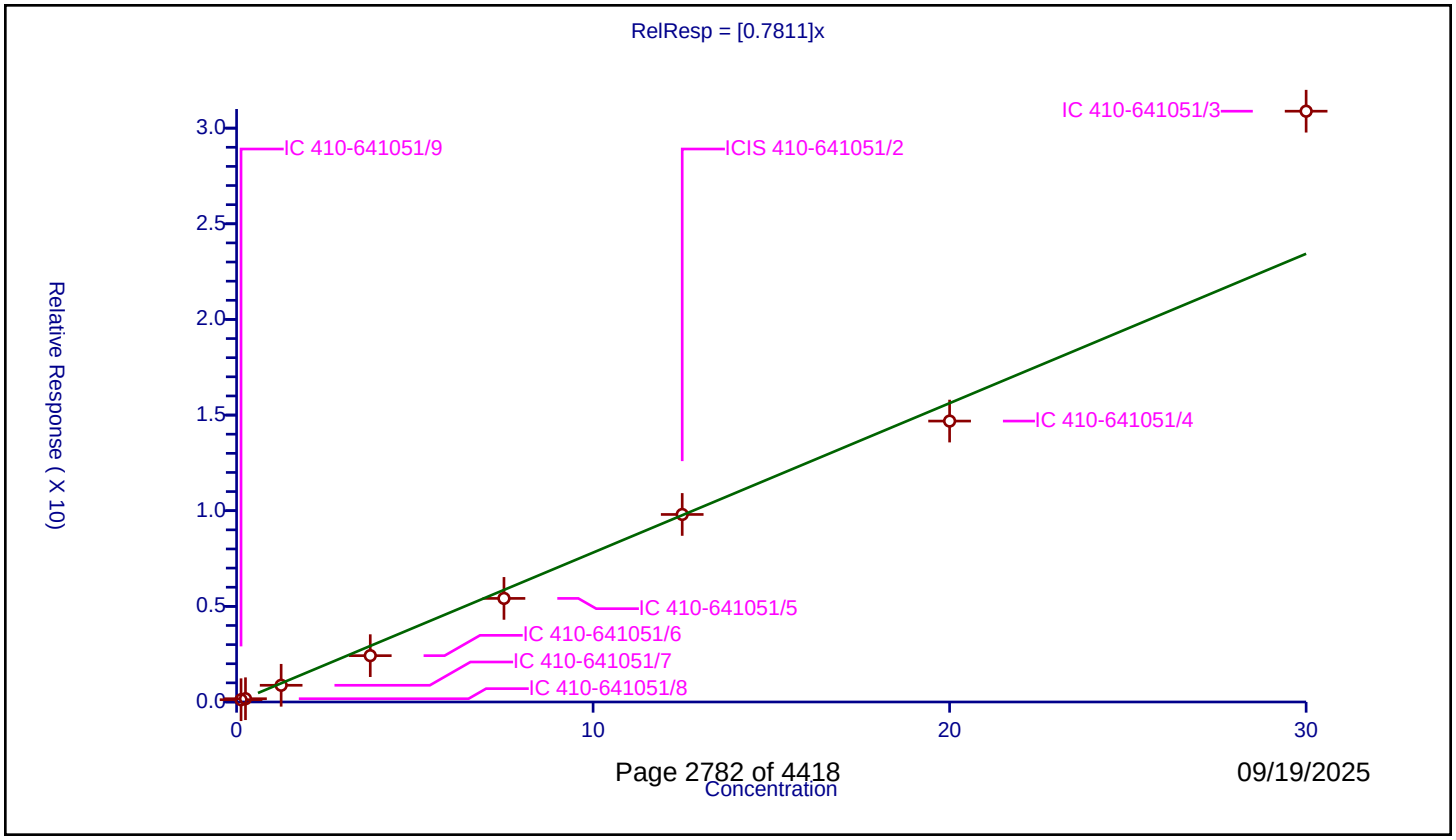
Curve Coefficients

Intercept:	0
Slope:	0.7811

Error Coefficients

Relative Standard Deviation:	17.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.118771	5.0	776661.0	0.95017	Y
2	IC 410-641051/8	0.25	0.170862	5.0	763891.0	0.683448	Y
3	IC 410-641051/7	1.25	0.873406	5.0	753435.0	0.698725	Y
4	IC 410-641051/6	3.75	2.422922	5.0	780250.0	0.646113	Y
5	IC 410-641051/5	7.5	5.415831	5.0	728024.0	0.722111	Y
6	ICIS 410-641051/2	12.5	9.804657	5.0	806658.0	0.784373	Y
7	IC 410-641051/4	20.0	14.686586	5.0	805341.0	0.734329	Y
8	IC 410-641051/3	30.0	30.885726	5.0	803087.0	1.029524	Y



09/19/2025

Calibration / Phenacetin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

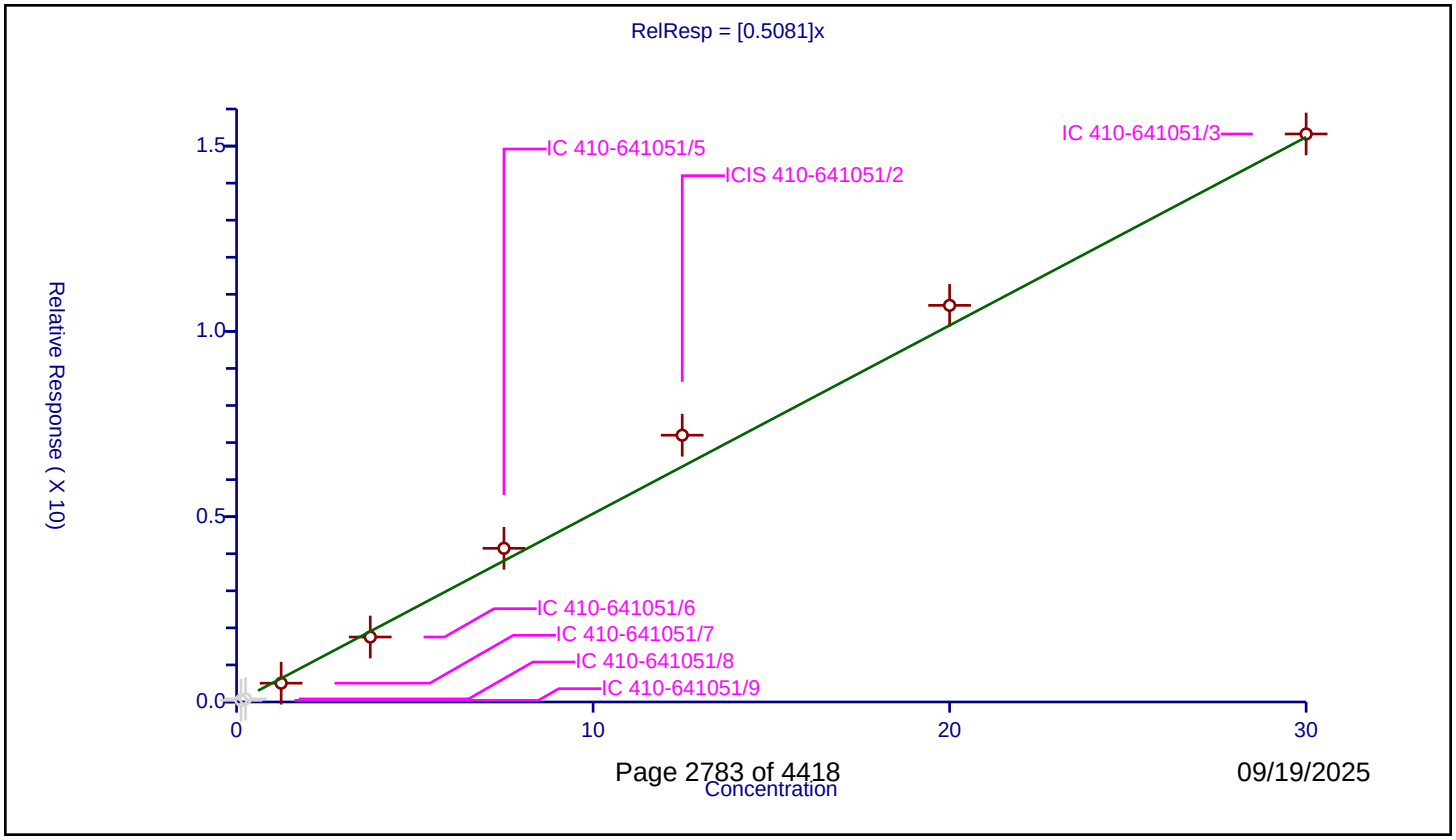
Curve Coefficients

Intercept:	0
Slope:	0.5081

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.044363	5.0	776661.0	0.354904	N
2	IC 410-641051/8	0.25	0.083827	5.0	763891.0	0.33531	N
3	IC 410-641051/7	1.25	0.507794	5.0	753435.0	0.406235	Y
4	IC 410-641051/6	3.75	1.753015	5.0	780250.0	0.467471	Y
5	IC 410-641051/5	7.5	4.146443	5.0	728024.0	0.552859	Y
6	ICIS 410-641051/2	12.5	7.1988	5.0	806658.0	0.575904	Y
7	IC 410-641051/4	20.0	10.702255	5.0	805341.0	0.535113	Y
8	IC 410-641051/3	30.0	15.326621	5.0	803087.0	0.510887	Y



09/19/2025

Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

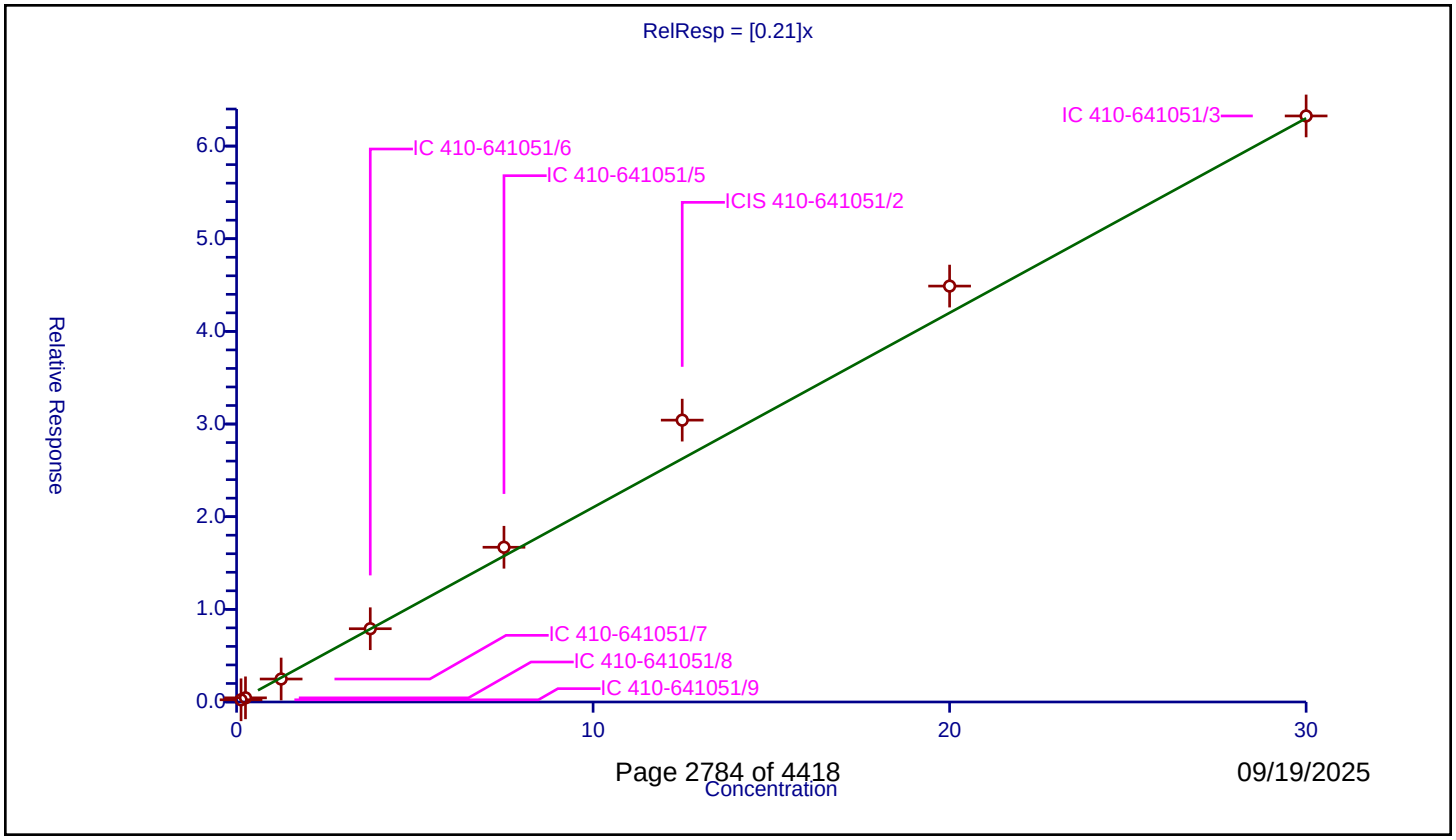
Curve Coefficients

Intercept:	0
Slope:	0.21

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.023813	5.0	776661.0	0.190508	Y
2	IC 410-641051/8	0.25	0.044777	5.0	763891.0	0.179109	Y
3	IC 410-641051/7	1.25	0.247871	5.0	753435.0	0.198297	Y
4	IC 410-641051/6	3.75	0.790753	5.0	780250.0	0.210867	Y
5	IC 410-641051/5	7.5	1.670034	5.0	728024.0	0.222671	Y
6	ICIS 410-641051/2	12.5	3.041921	5.0	806658.0	0.243354	Y
7	IC 410-641051/4	20.0	4.488999	5.0	805341.0	0.22445	Y
8	IC 410-641051/3	30.0	6.325087	5.0	803087.0	0.210836	Y



09/19/2025

Calibration / trans-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

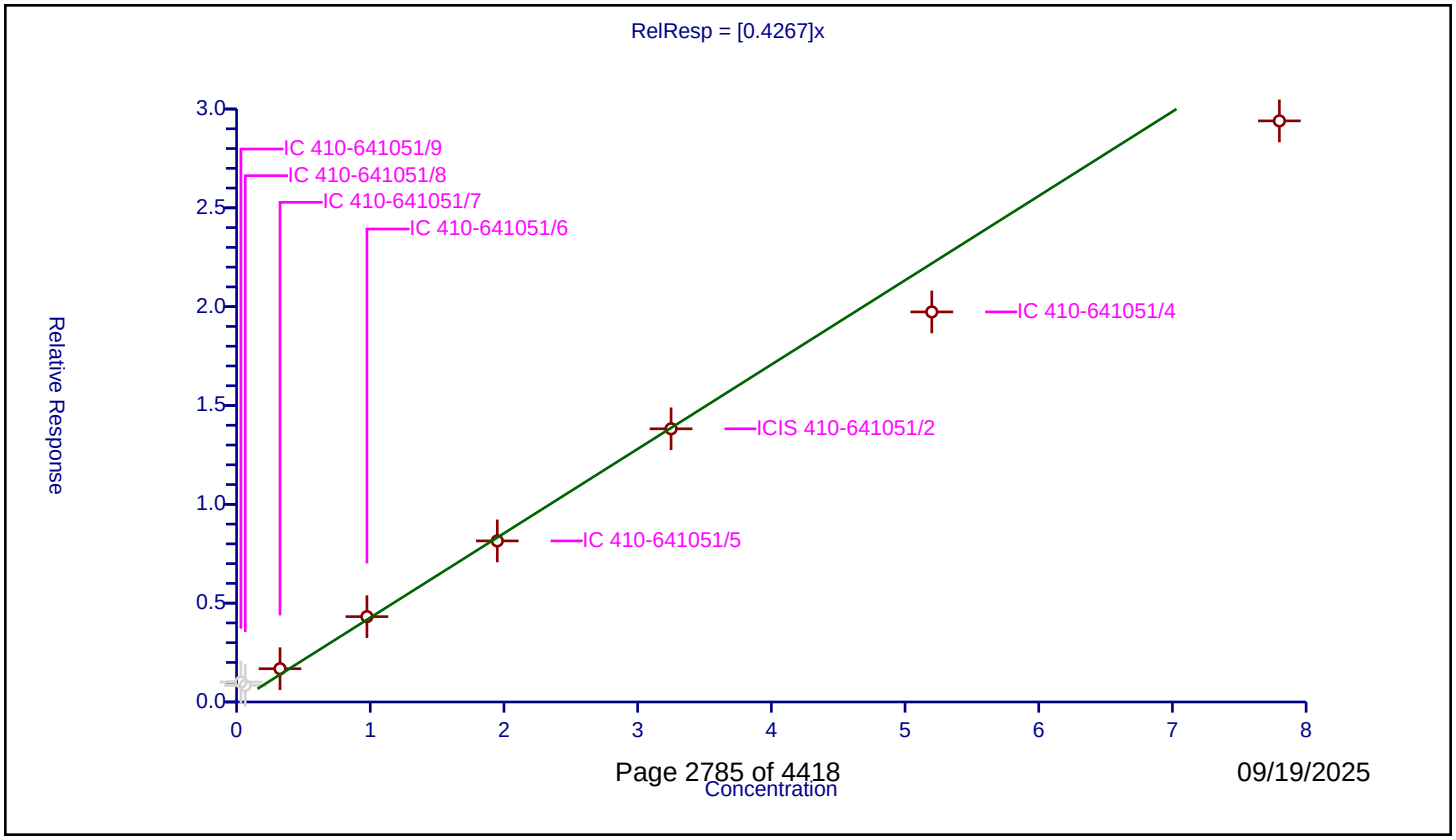
Curve Coefficients

Intercept:	0
Slope:	0.4267

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.0325	0.100694	5.0	776661.0	3.098273	N
2	IC 410-641051/8	0.065	0.08388	5.0	763891.0	1.290458	N
3	IC 410-641051/7	0.325	0.168243	5.0	753435.0	0.51767	Y
4	IC 410-641051/6	0.975	0.431817	5.0	780250.0	0.442889	Y
5	IC 410-641051/5	1.95	0.814959	5.0	728024.0	0.417928	Y
6	ICIS 410-641051/2	3.25	1.382116	5.0	806658.0	0.425266	Y
7	IC 410-641051/4	5.2	1.973419	5.0	805341.0	0.379504	Y
8	IC 410-641051/3	7.8	2.940011	5.0	803087.0	0.376925	Y



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

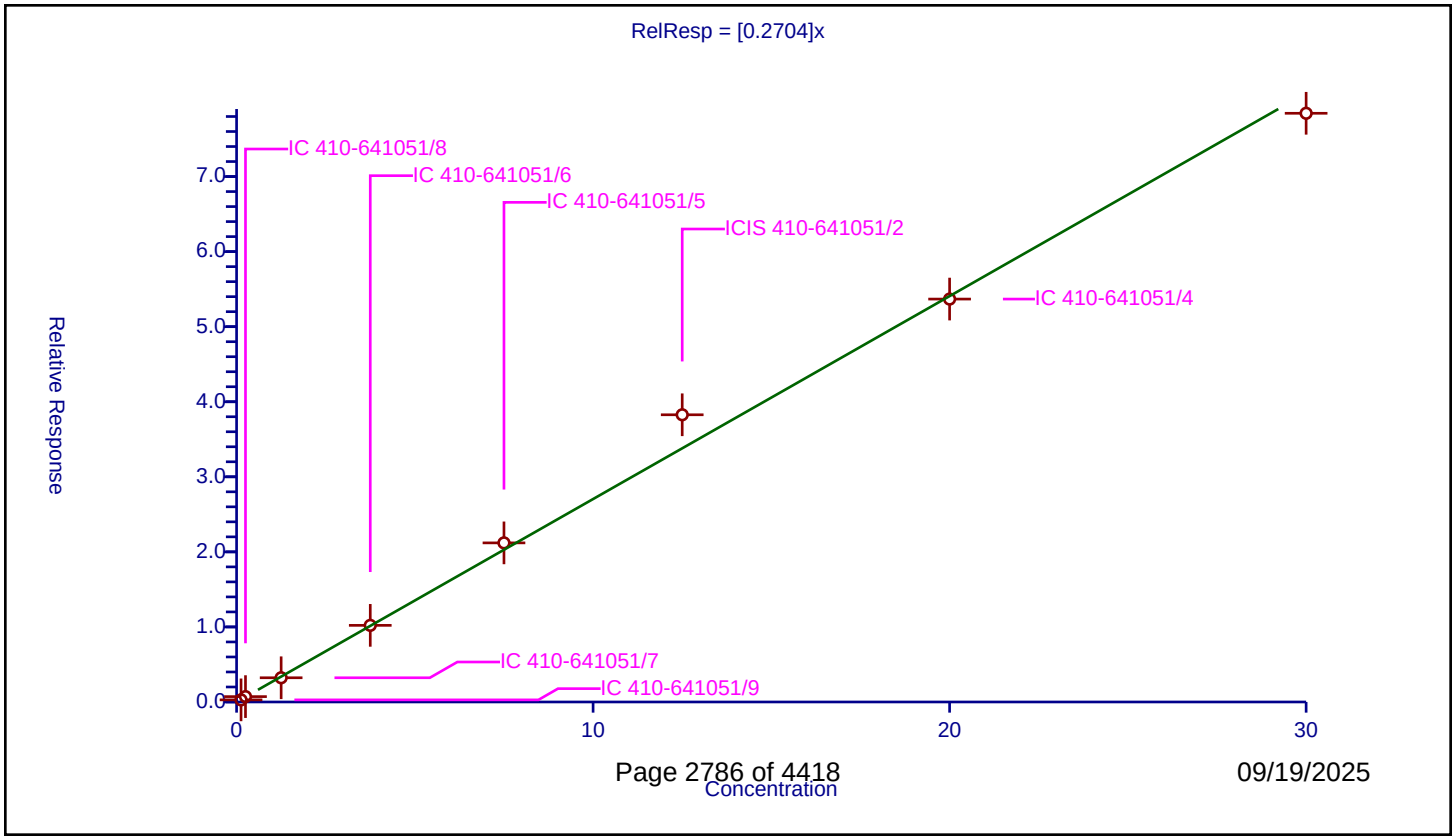
Curve Coefficients

Intercept:	0
Slope:	0.2704

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.028378	5.0	776661.0	0.227023	Y
2	IC 410-641051/8	0.25	0.071738	5.0	763891.0	0.286952	Y
3	IC 410-641051/7	1.25	0.322748	5.0	753435.0	0.258199	Y
4	IC 410-641051/6	3.75	1.020737	5.0	780250.0	0.272197	Y
5	IC 410-641051/5	7.5	2.119855	5.0	728024.0	0.282647	Y
6	ICIS 410-641051/2	12.5	3.826355	5.0	806658.0	0.306108	Y
7	IC 410-641051/4	20.0	5.367906	5.0	805341.0	0.268395	Y
8	IC 410-641051/3	30.0	7.84331	5.0	803087.0	0.261444	Y



Calibration / Dimethoate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

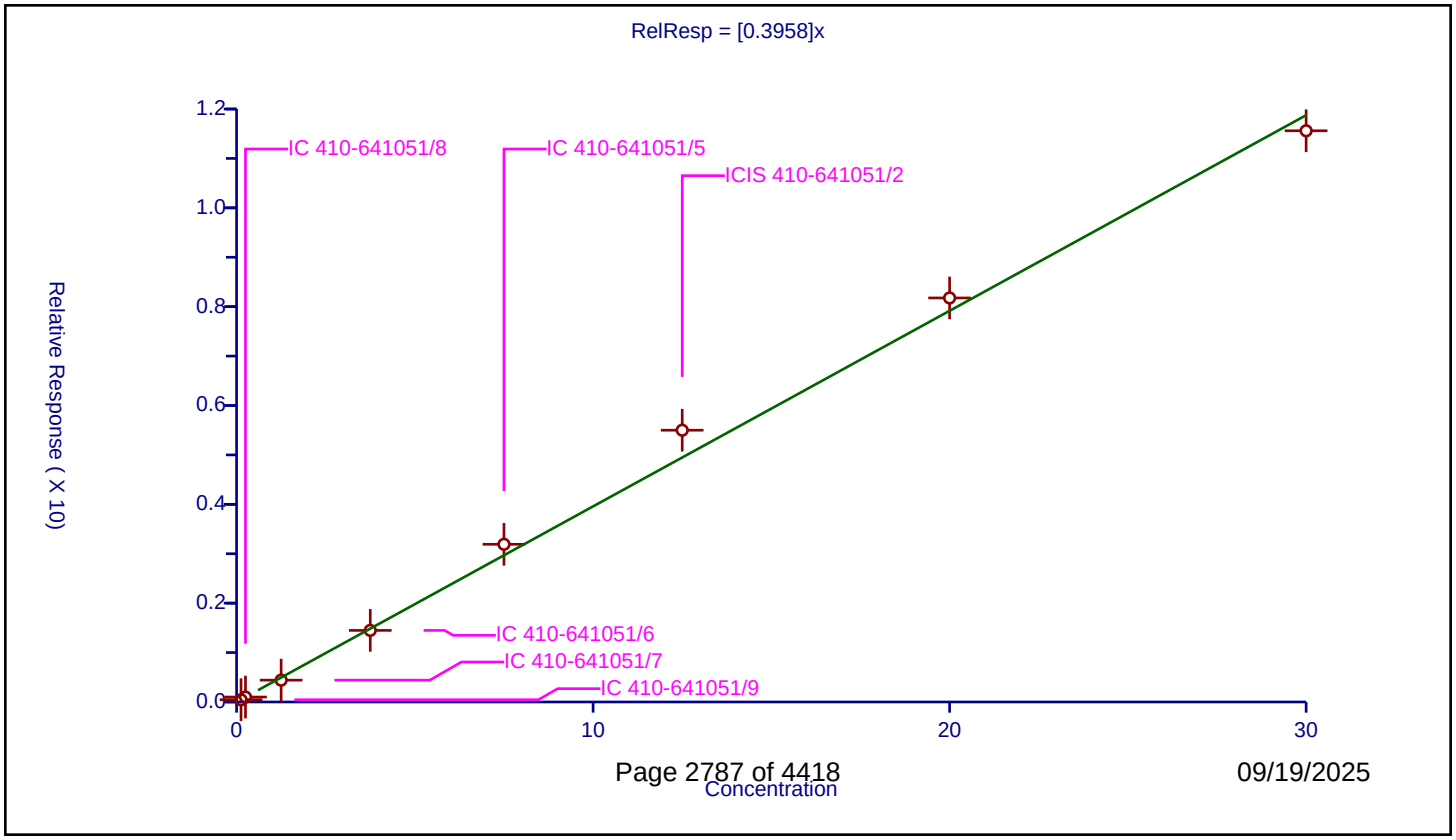
Curve Coefficients

Intercept:	0
Slope:	0.3958

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.045702	5.0	776661.0	0.365616	Y
2	IC 410-641051/8	0.25	0.100342	5.0	763891.0	0.401366	Y
3	IC 410-641051/7	1.25	0.441949	5.0	753435.0	0.353559	Y
4	IC 410-641051/6	3.75	1.448484	5.0	780250.0	0.386263	Y
5	IC 410-641051/5	7.5	3.191385	5.0	728024.0	0.425518	Y
6	ICIS 410-641051/2	12.5	5.499883	5.0	806658.0	0.439991	Y
7	IC 410-641051/4	20.0	8.176673	5.0	805341.0	0.408834	Y
8	IC 410-641051/3	30.0	11.559843	5.0	803087.0	0.385328	Y



Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

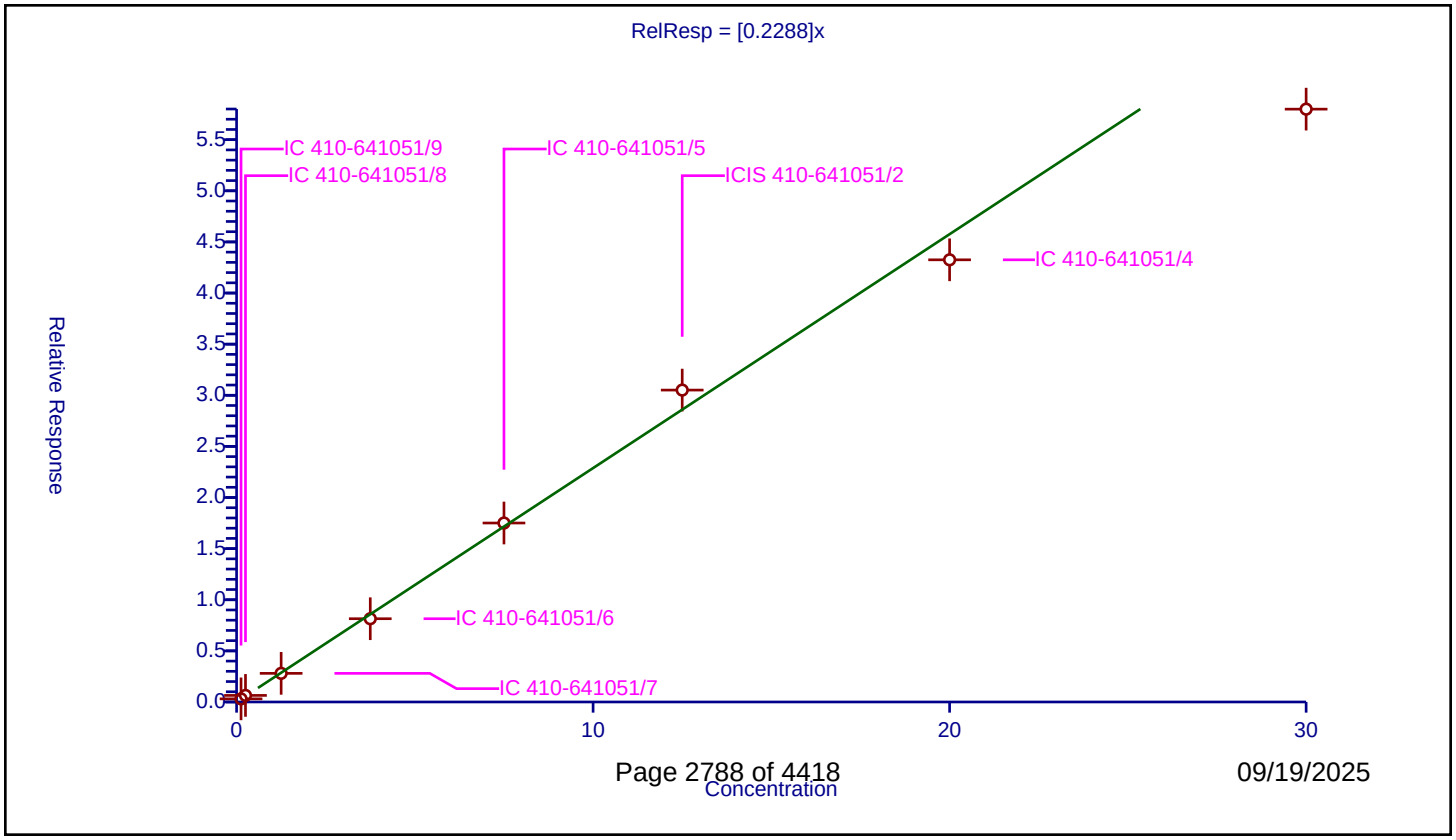
Curve Coefficients

Intercept:	0
Slope:	0.2288

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.030663	5.0	776661.0	0.245307	Y
2	IC 410-641051/8	0.25	0.064191	5.0	763891.0	0.256764	Y
3	IC 410-641051/7	1.25	0.280037	5.0	753435.0	0.22403	Y
4	IC 410-641051/6	3.75	0.814418	5.0	780250.0	0.217178	Y
5	IC 410-641051/5	7.5	1.750588	5.0	728024.0	0.233412	Y
6	ICIS 410-641051/2	12.5	3.050748	5.0	806658.0	0.24406	Y
7	IC 410-641051/4	20.0	4.325044	5.0	805341.0	0.216252	Y
8	IC 410-641051/3	30.0	5.798569	5.0	803087.0	0.193286	Y



Calibration / Pentachloronitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

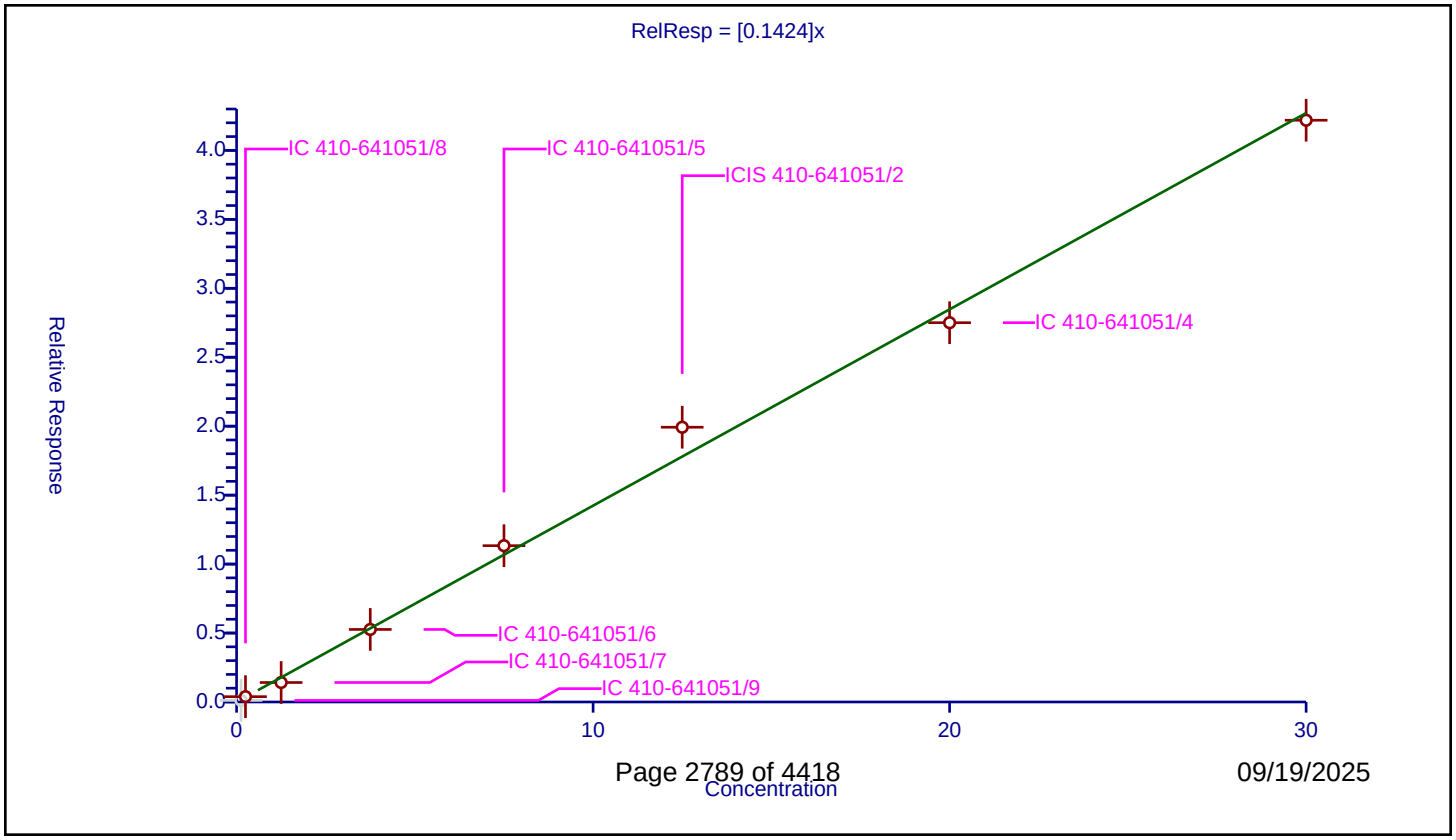
Curve Coefficients

Intercept:	0
Slope:	0.1424

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.011472	5.0	776661.0	0.091777	N
2	IC 410-641051/8	0.25	0.038631	5.0	763891.0	0.154525	Y
3	IC 410-641051/7	1.25	0.141286	5.0	753435.0	0.113029	Y
4	IC 410-641051/6	3.75	0.526152	5.0	780250.0	0.140307	Y
5	IC 410-641051/5	7.5	1.133479	5.0	728024.0	0.151131	Y
6	ICIS 410-641051/2	12.5	1.992406	5.0	806658.0	0.159392	Y
7	IC 410-641051/4	20.0	2.750468	5.0	805341.0	0.137523	Y
8	IC 410-641051/3	30.0	4.218671	5.0	803087.0	0.140622	Y



Calibration / Pentachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

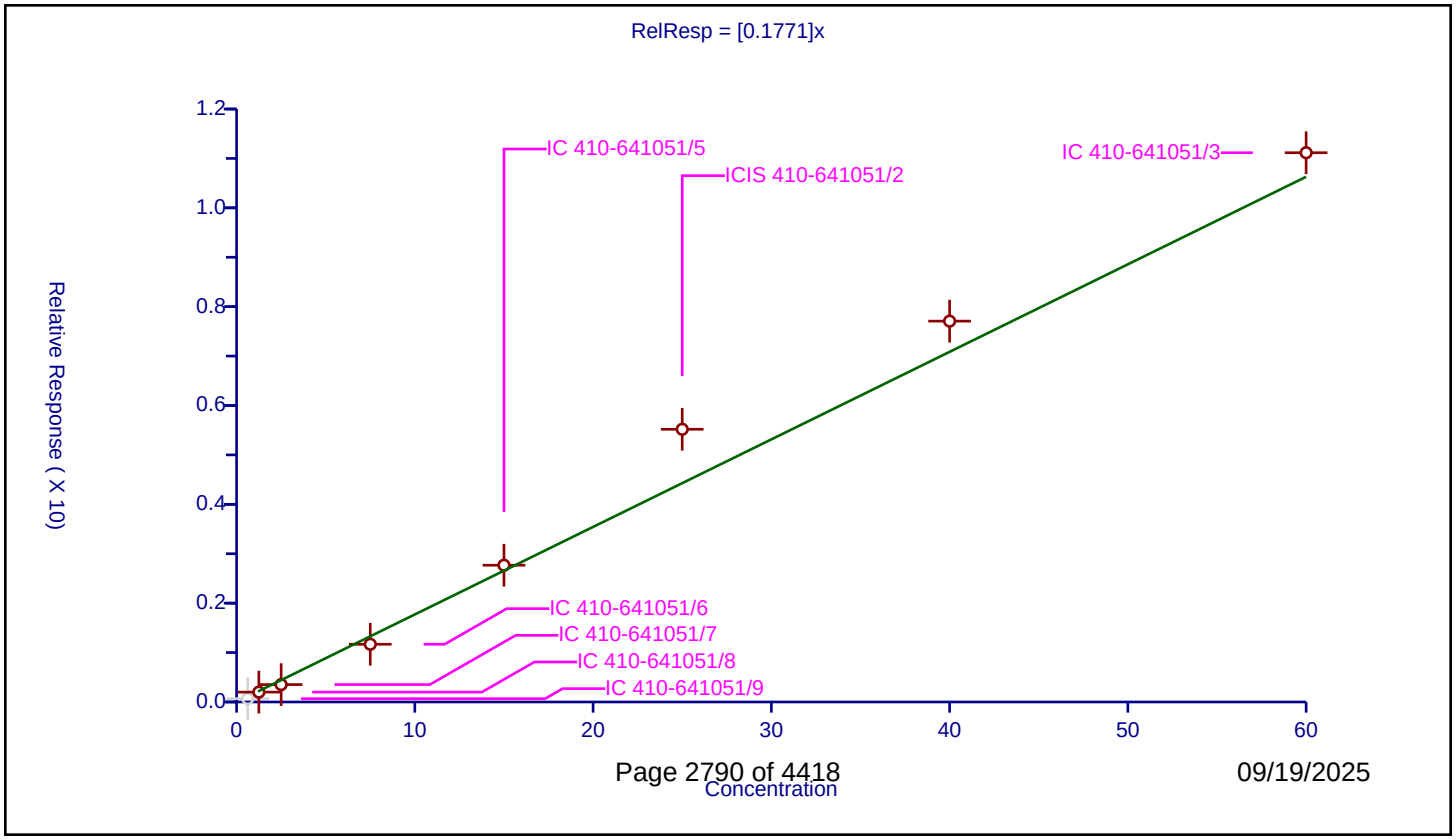
Curve Coefficients

Intercept:	0
Slope:	0.1771

Error Coefficients

Relative Standard Deviation:	15.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.625	0.067275	5.0	776661.0	0.10764	N
2	IC 410-641051/8	1.25	0.200159	5.0	763891.0	0.160128	Y
3	IC 410-641051/7	2.5	0.352068	5.0	753435.0	0.140827	Y
4	IC 410-641051/6	7.5	1.168337	5.0	780250.0	0.155778	Y
5	IC 410-641051/5	15.0	2.76758	5.0	728024.0	0.184505	Y
6	ICIS 410-641051/2	25.0	5.518838	5.0	806658.0	0.220754	Y
7	IC 410-641051/4	40.0	7.707511	5.0	805341.0	0.192688	Y
8	IC 410-641051/3	60.0	11.115726	5.0	803087.0	0.185262	Y



09/19/2025

Calibration / 4-Aminobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

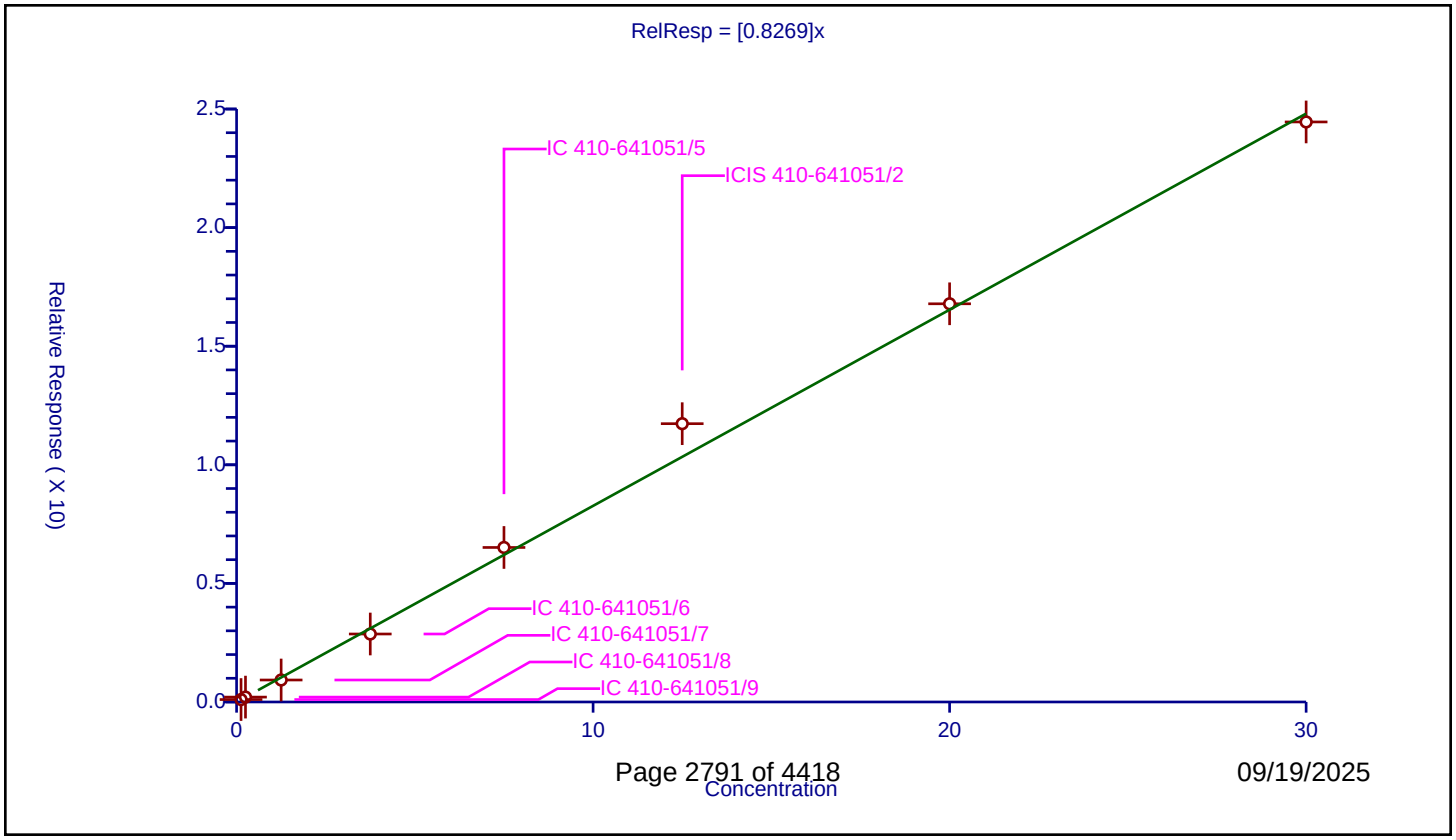
Curve Coefficients

Intercept:	0
Slope:	0.8269

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.103024	5.0	776661.0	0.824195	Y
2	IC 410-641051/8	0.25	0.205756	5.0	763891.0	0.823023	Y
3	IC 410-641051/7	1.25	0.927067	5.0	753435.0	0.741654	Y
4	IC 410-641051/6	3.75	2.866171	5.0	780250.0	0.764312	Y
5	IC 410-641051/5	7.5	6.51438	5.0	728024.0	0.868584	Y
6	ICIS 410-641051/2	12.5	11.733337	5.0	806658.0	0.938667	Y
7	IC 410-641051/4	20.0	16.788603	5.0	805341.0	0.83943	Y
8	IC 410-641051/3	30.0	24.454468	5.0	803087.0	0.815149	Y



Calibration / Pronamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

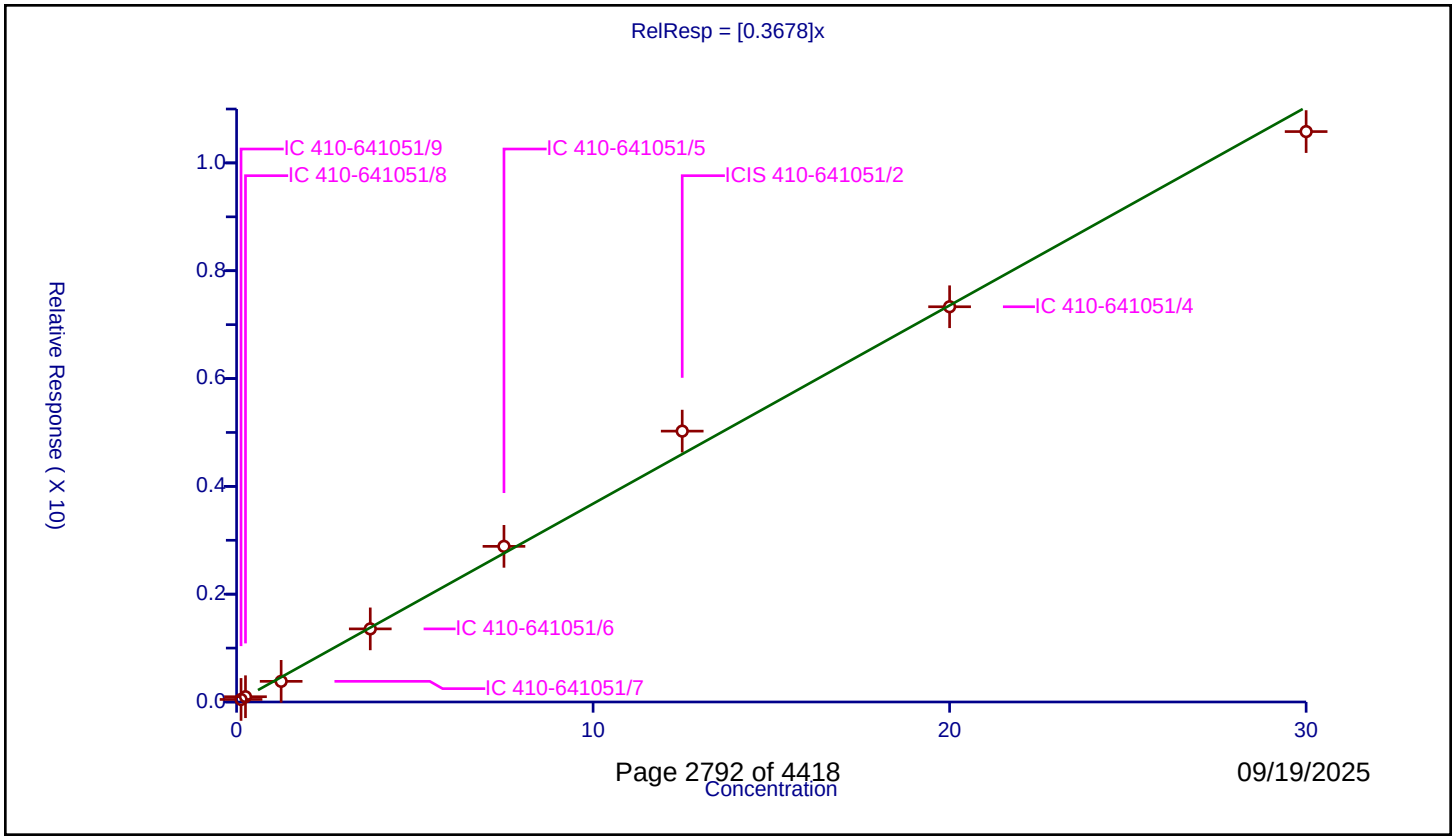
Curve Coefficients

Intercept:	0
Slope:	0.3678

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.047254	5.0	776661.0	0.378029	Y
2	IC 410-641051/8	0.25	0.097612	5.0	763891.0	0.390448	Y
3	IC 410-641051/7	1.25	0.383006	5.0	753435.0	0.306405	Y
4	IC 410-641051/6	3.75	1.355937	5.0	780250.0	0.361583	Y
5	IC 410-641051/5	7.5	2.887226	5.0	728024.0	0.384963	Y
6	ICIS 410-641051/2	12.5	5.02449	5.0	806658.0	0.401959	Y
7	IC 410-641051/4	20.0	7.331913	5.0	805341.0	0.366596	Y
8	IC 410-641051/3	30.0	10.581612	5.0	803087.0	0.35272	Y



Calibration / Dinoseb

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

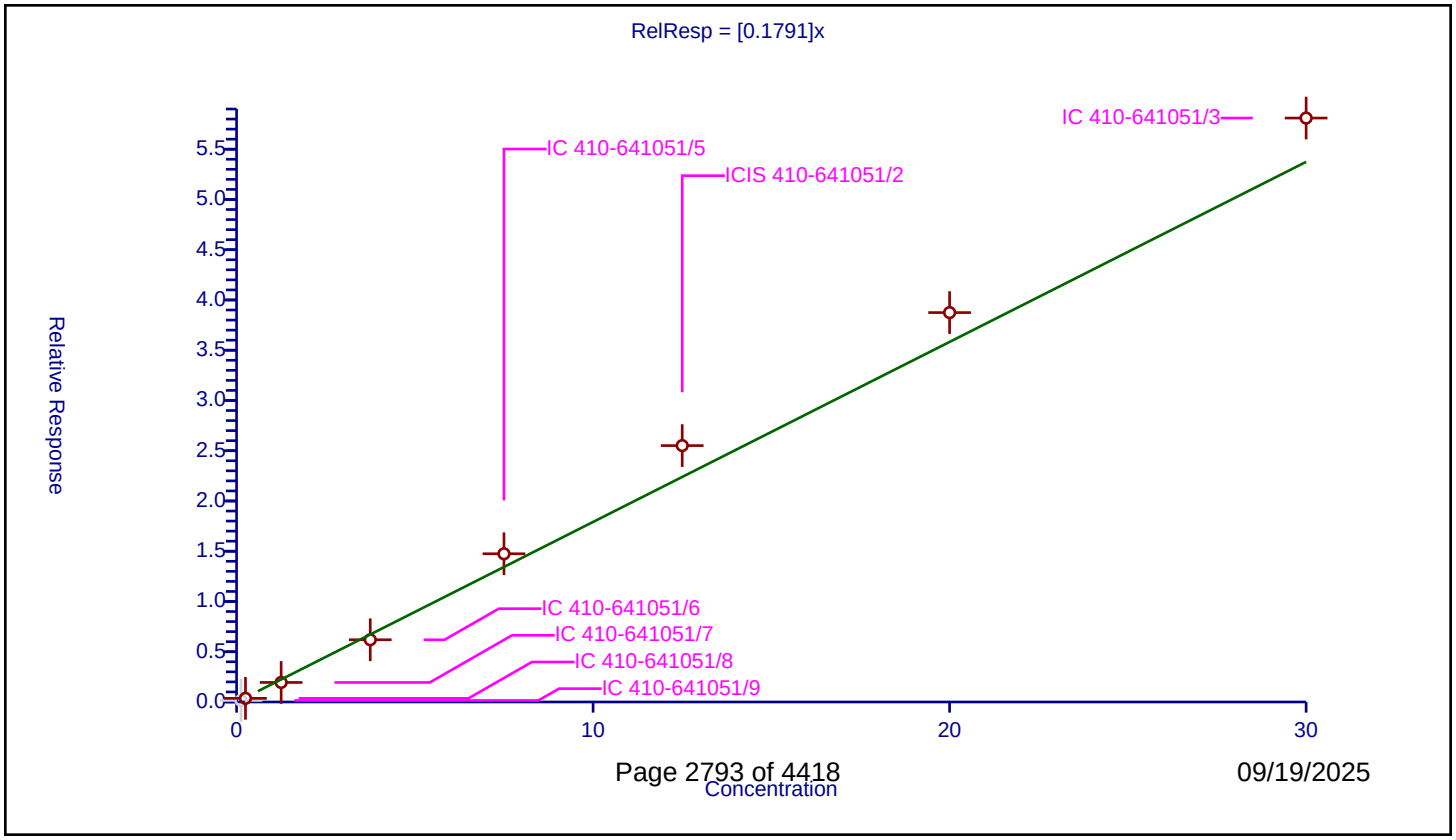
Curve Coefficients

Intercept:	0
Slope:	0.1791

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.015393	5.0	776661.0	0.123143	N
2	IC 410-641051/8	0.25	0.036314	5.0	763891.0	0.145256	Y
3	IC 410-641051/7	1.25	0.19429	5.0	753435.0	0.155432	Y
4	IC 410-641051/6	3.75	0.619135	5.0	780250.0	0.165103	Y
5	IC 410-641051/5	7.5	1.474896	5.0	728024.0	0.196653	Y
6	ICIS 410-641051/2	12.5	2.550982	5.0	806658.0	0.204079	Y
7	IC 410-641051/4	20.0	3.874396	5.0	805341.0	0.19372	Y
8	IC 410-641051/3	30.0	5.810049	5.0	803087.0	0.193668	Y



Calibration / Disulfoton

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

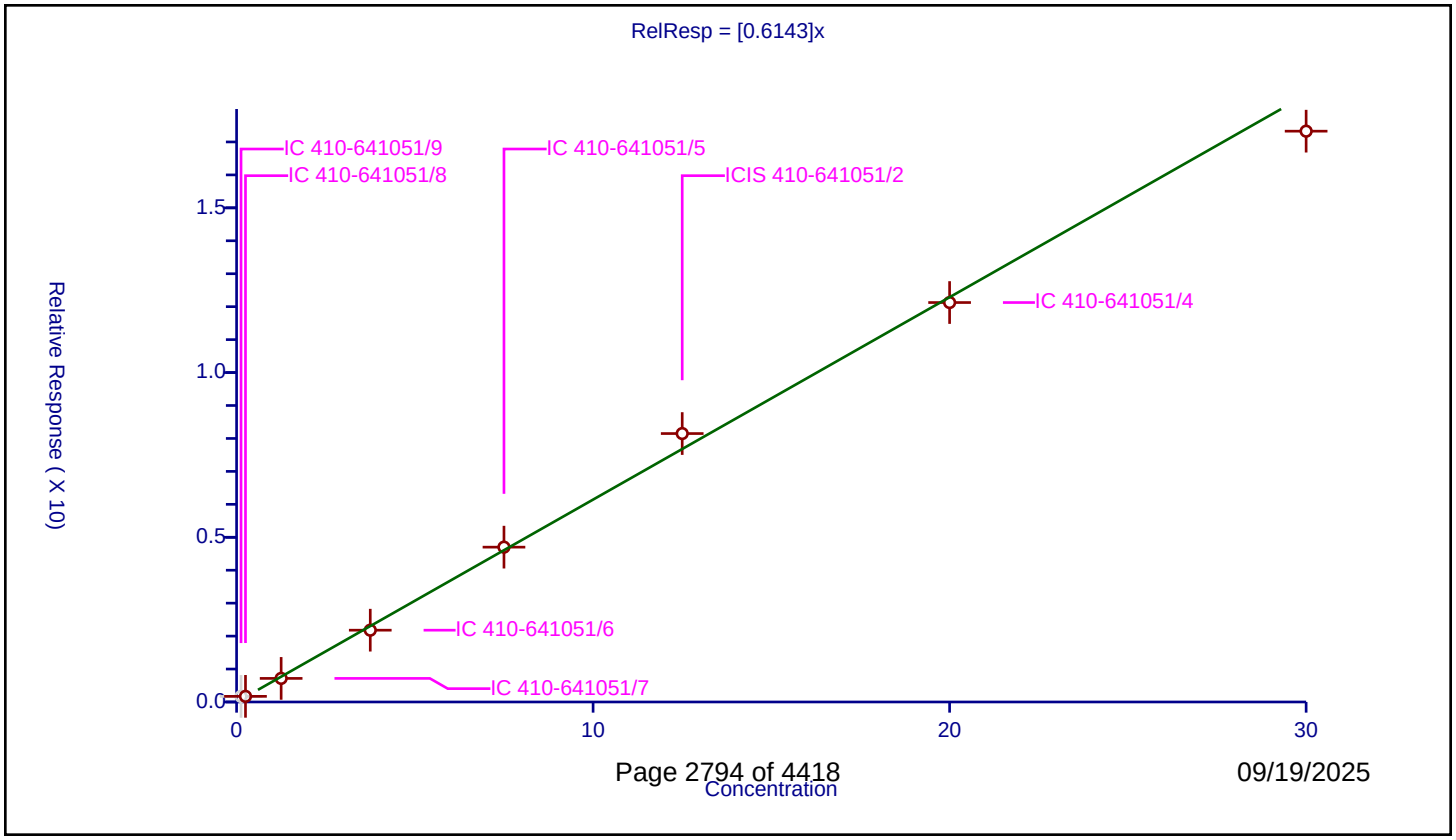
Curve Coefficients

Intercept:	0
Slope:	0.6143

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.169244	5.0	776661.0	1.35395	N
2	IC 410-641051/8	0.25	0.170928	5.0	763891.0	0.68371	Y
3	IC 410-641051/7	1.25	0.716306	5.0	753435.0	0.573045	Y
4	IC 410-641051/6	3.75	2.179712	5.0	780250.0	0.581256	Y
5	IC 410-641051/5	7.5	4.700216	5.0	728024.0	0.626695	Y
6	ICIS 410-641051/2	12.5	8.148435	5.0	806658.0	0.651875	Y
7	IC 410-641051/4	20.0	12.125311	5.0	805341.0	0.606266	Y
8	IC 410-641051/3	30.0	17.327606	5.0	803087.0	0.577587	Y



09/19/2025

Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

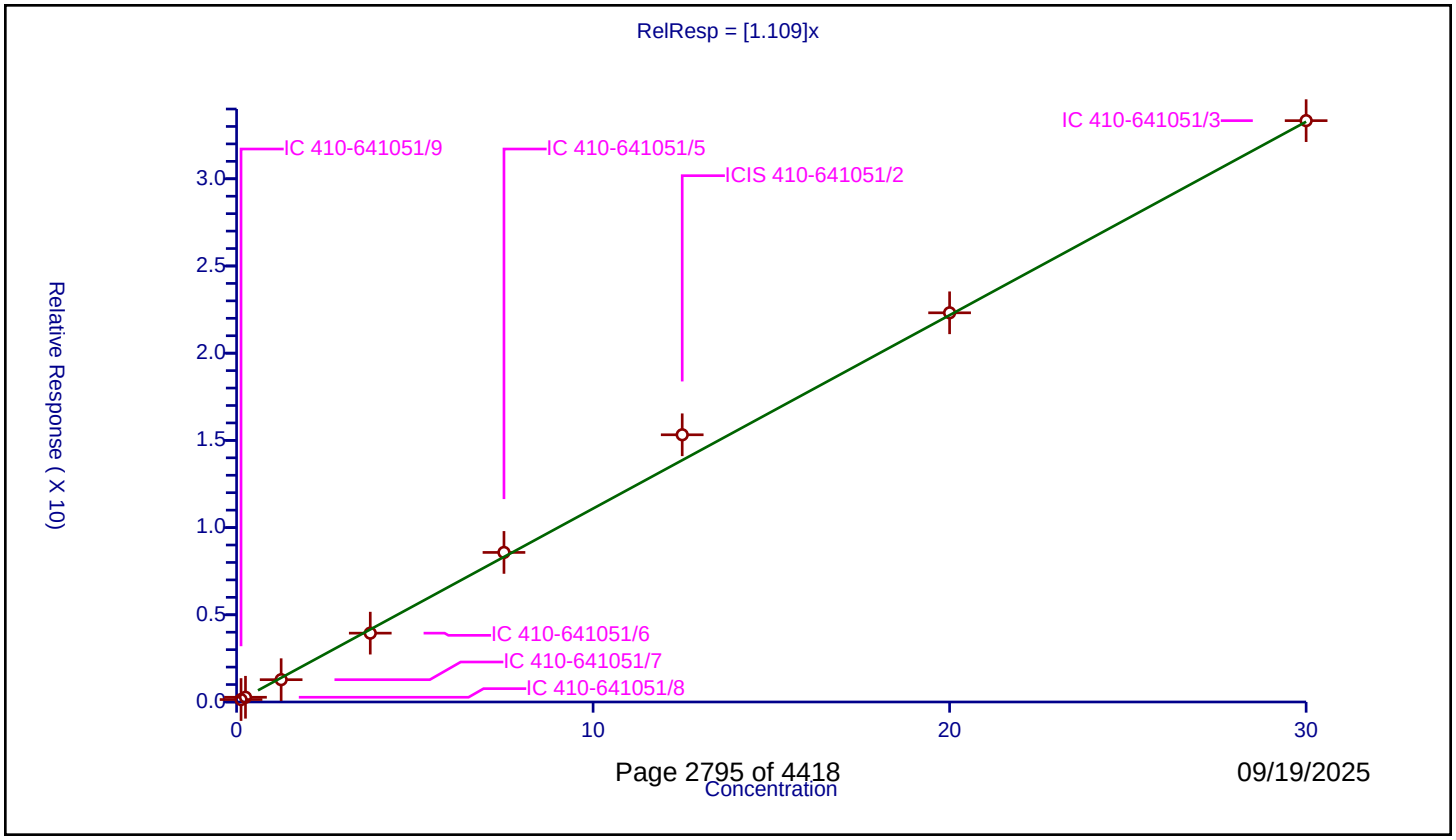
Curve Coefficients

Intercept:	0
Slope:	1.109

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.139636	5.0	776661.0	1.11709	Y
2	IC 410-641051/8	0.25	0.271033	5.0	763891.0	1.084134	Y
3	IC 410-641051/7	1.25	1.278571	5.0	753435.0	1.022857	Y
4	IC 410-641051/6	3.75	3.946607	5.0	780250.0	1.052428	Y
5	IC 410-641051/5	7.5	8.575658	5.0	728024.0	1.143421	Y
6	ICIS 410-641051/2	12.5	15.320997	5.0	806658.0	1.22568	Y
7	IC 410-641051/4	20.0	22.315175	5.0	805341.0	1.115759	Y
8	IC 410-641051/3	30.0	33.333356	5.0	803087.0	1.111112	Y



09/19/2025

Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

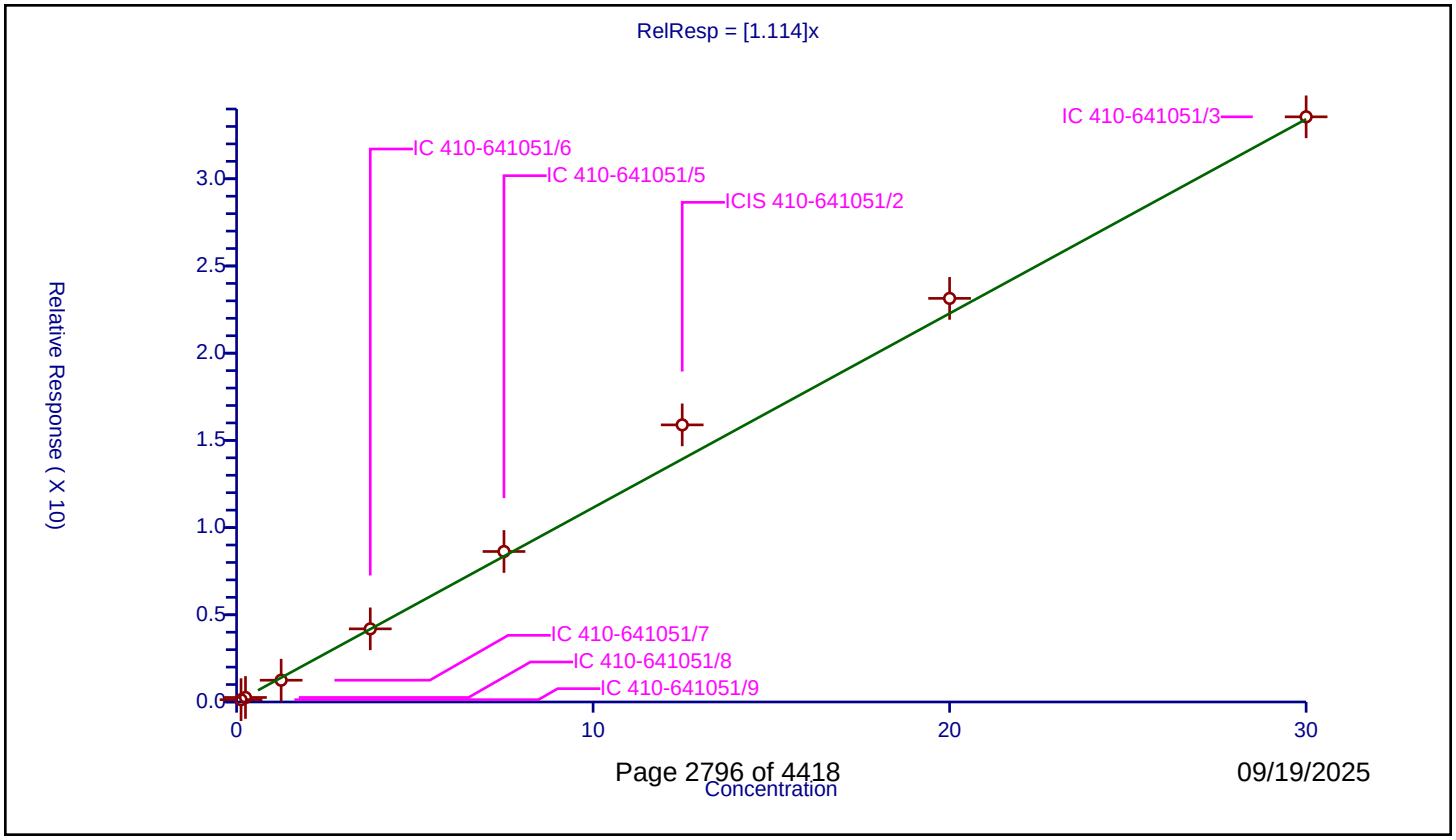
Curve Coefficients

Intercept:	0
Slope:	1.114

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.132851	5.0	776661.0	1.062806	Y
2	IC 410-641051/8	0.25	0.258623	5.0	763891.0	1.034493	Y
3	IC 410-641051/7	1.25	1.248887	5.0	753435.0	0.999109	Y
4	IC 410-641051/6	3.75	4.193047	5.0	780250.0	1.118146	Y
5	IC 410-641051/5	7.5	8.628802	5.0	728024.0	1.150507	Y
6	ICIS 410-641051/2	12.5	15.888716	5.0	806658.0	1.271097	Y
7	IC 410-641051/4	20.0	23.141967	5.0	805341.0	1.157098	Y
8	IC 410-641051/3	30.0	33.551608	5.0	803087.0	1.118387	Y



09/19/2025

Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

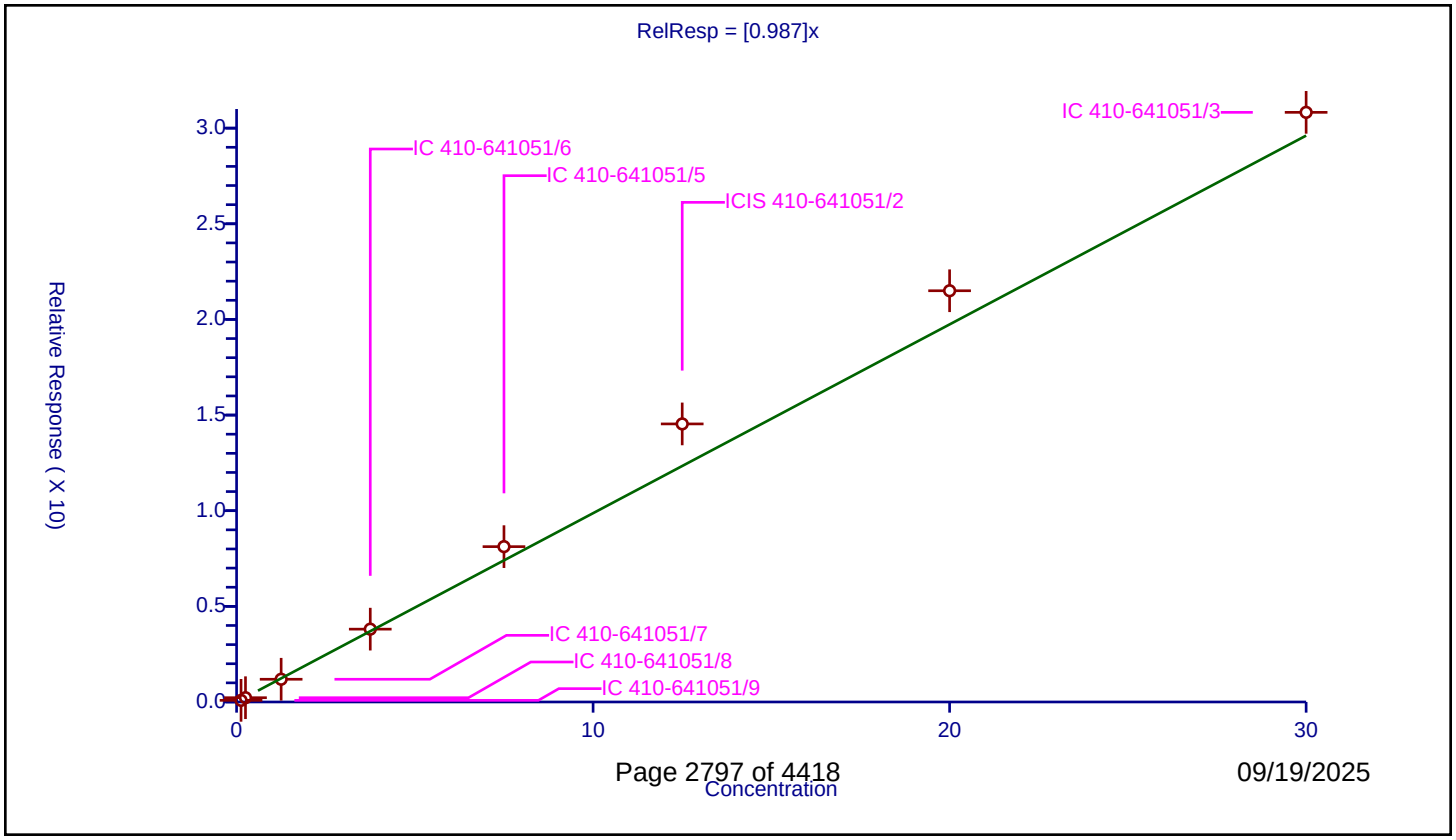
Curve Coefficients

Intercept:	0
Slope:	0.987

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.086061	5.0	776661.0	0.688486	Y
2	IC 410-641051/8	0.25	0.223252	5.0	763891.0	0.893007	Y
3	IC 410-641051/7	1.25	1.188298	5.0	753435.0	0.950638	Y
4	IC 410-641051/6	3.75	3.807837	5.0	780250.0	1.015423	Y
5	IC 410-641051/5	7.5	8.121896	5.0	728024.0	1.082919	Y
6	ICIS 410-641051/2	12.5	14.53647	5.0	806658.0	1.162918	Y
7	IC 410-641051/4	20.0	21.499135	5.0	805341.0	1.074957	Y
8	IC 410-641051/3	30.0	30.825776	5.0	803087.0	1.027526	Y



09/19/2025

Calibration / Methyl parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

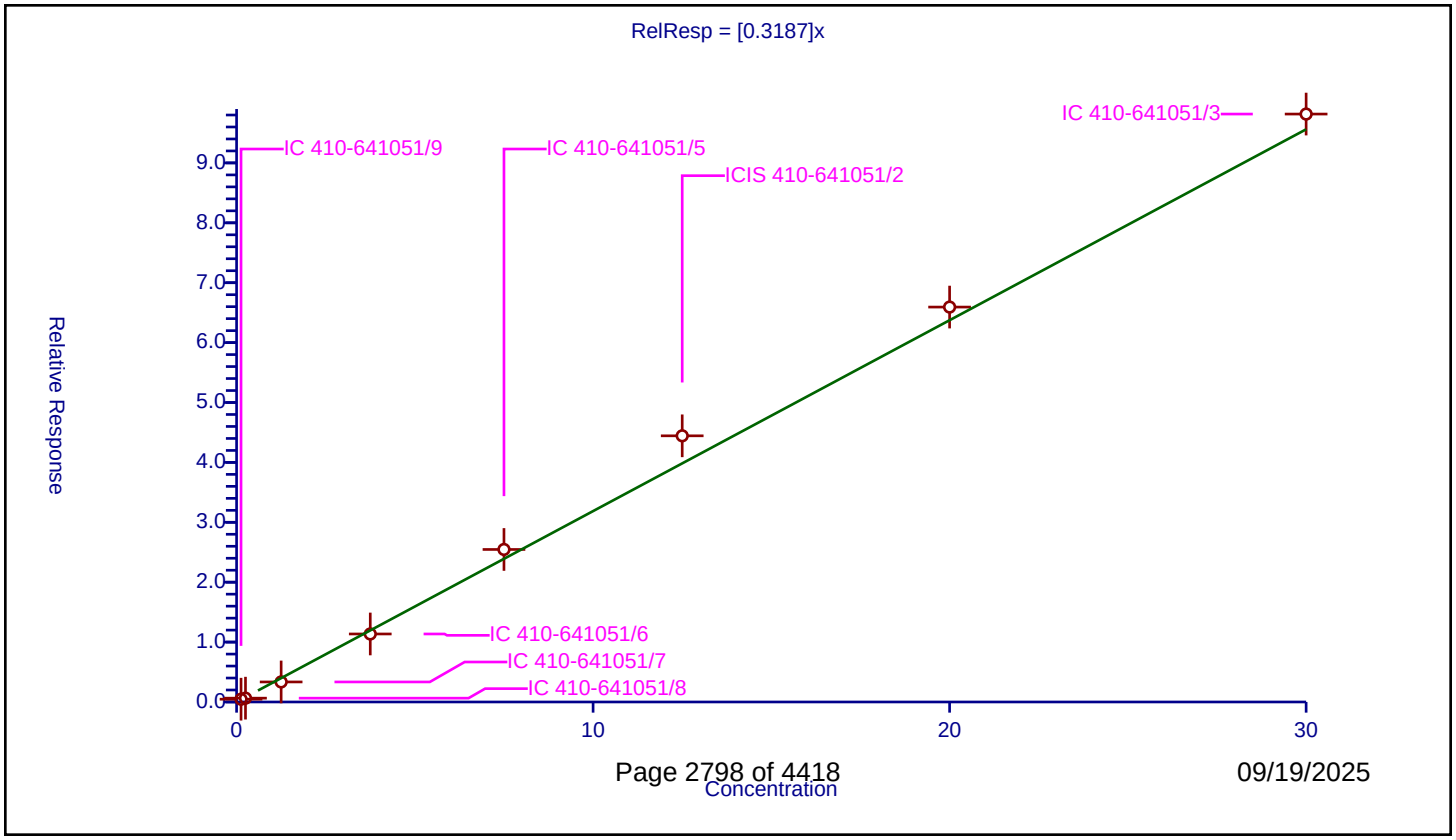
Curve Coefficients

Intercept:	0
Slope:	0.3187

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.04641	5.0	776661.0	0.371282	Y
2	IC 410-641051/8	0.25	0.063949	5.0	763891.0	0.255796	Y
3	IC 410-641051/7	1.25	0.334674	5.0	753435.0	0.267739	Y
4	IC 410-641051/6	3.75	1.135662	5.0	780250.0	0.302843	Y
5	IC 410-641051/5	7.5	2.546544	5.0	728024.0	0.339539	Y
6	ICIS 410-641051/2	12.5	4.443686	5.0	806658.0	0.355495	Y
7	IC 410-641051/4	20.0	6.593443	5.0	805341.0	0.329672	Y
8	IC 410-641051/3	30.0	9.815674	5.0	803087.0	0.327189	Y



Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

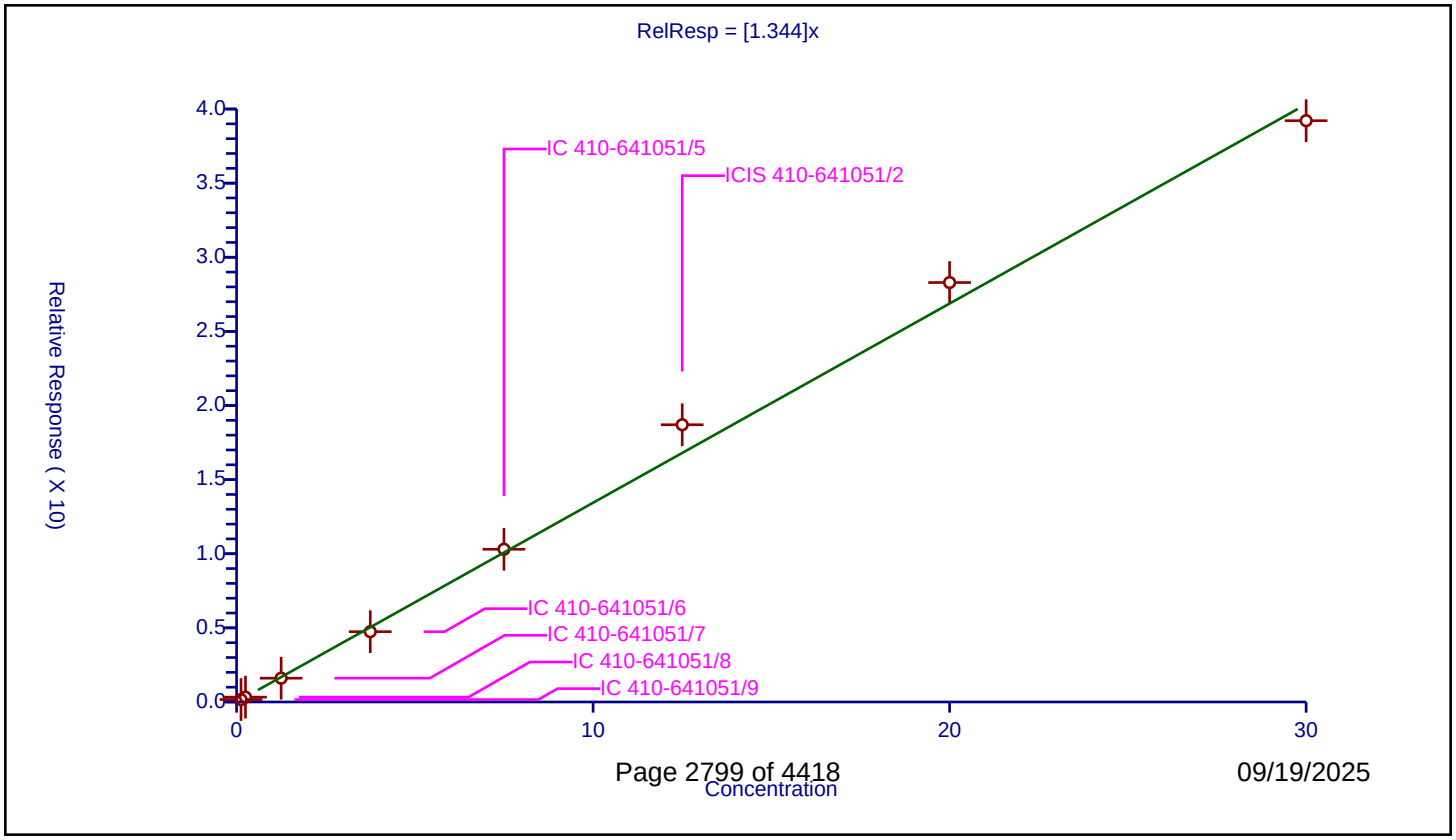
Curve Coefficients

Intercept:	0
Slope:	1.344

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.163147	5.0	776661.0	1.305177	Y
2	IC 410-641051/8	0.25	0.326198	5.0	763891.0	1.304793	Y
3	IC 410-641051/7	1.25	1.60631	5.0	753435.0	1.285048	Y
4	IC 410-641051/6	3.75	4.742044	5.0	780250.0	1.264545	Y
5	IC 410-641051/5	7.5	10.302641	5.0	728024.0	1.373685	Y
6	ICIS 410-641051/2	12.5	18.70106	5.0	806658.0	1.496085	Y
7	IC 410-641051/4	20.0	28.294375	5.0	805341.0	1.414719	Y
8	IC 410-641051/3	30.0	39.212844	5.0	803087.0	1.307095	Y



Calibration / Ethyl Parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

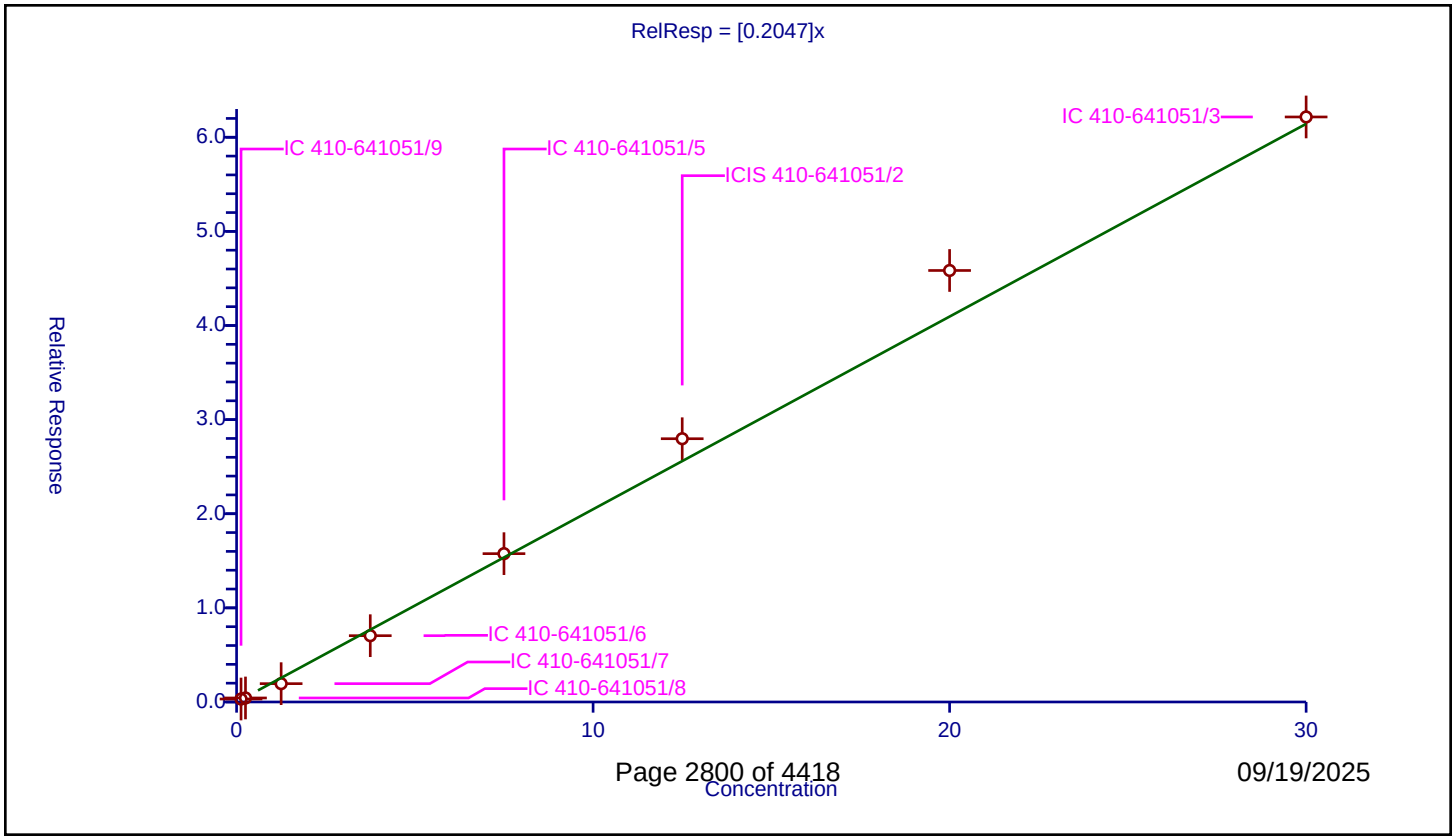
Curve Coefficients

Intercept:	0
Slope:	0.2047

Error Coefficients

Relative Standard Deviation:	15.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.031648	5.0	776661.0	0.253186	Y
2	IC 410-641051/8	0.25	0.042709	5.0	763891.0	0.170836	Y
3	IC 410-641051/7	1.25	0.194688	5.0	753435.0	0.155751	Y
4	IC 410-641051/6	3.75	0.704543	5.0	780250.0	0.187878	Y
5	IC 410-641051/5	7.5	1.575882	5.0	728024.0	0.210118	Y
6	ICIS 410-641051/2	12.5	2.797115	5.0	806658.0	0.223769	Y
7	IC 410-641051/4	20.0	4.584493	5.0	805341.0	0.229225	Y
8	IC 410-641051/3	30.0	6.215603	5.0	803087.0	0.207187	Y



Calibration / 4-Nitroquinoline-1-oxide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

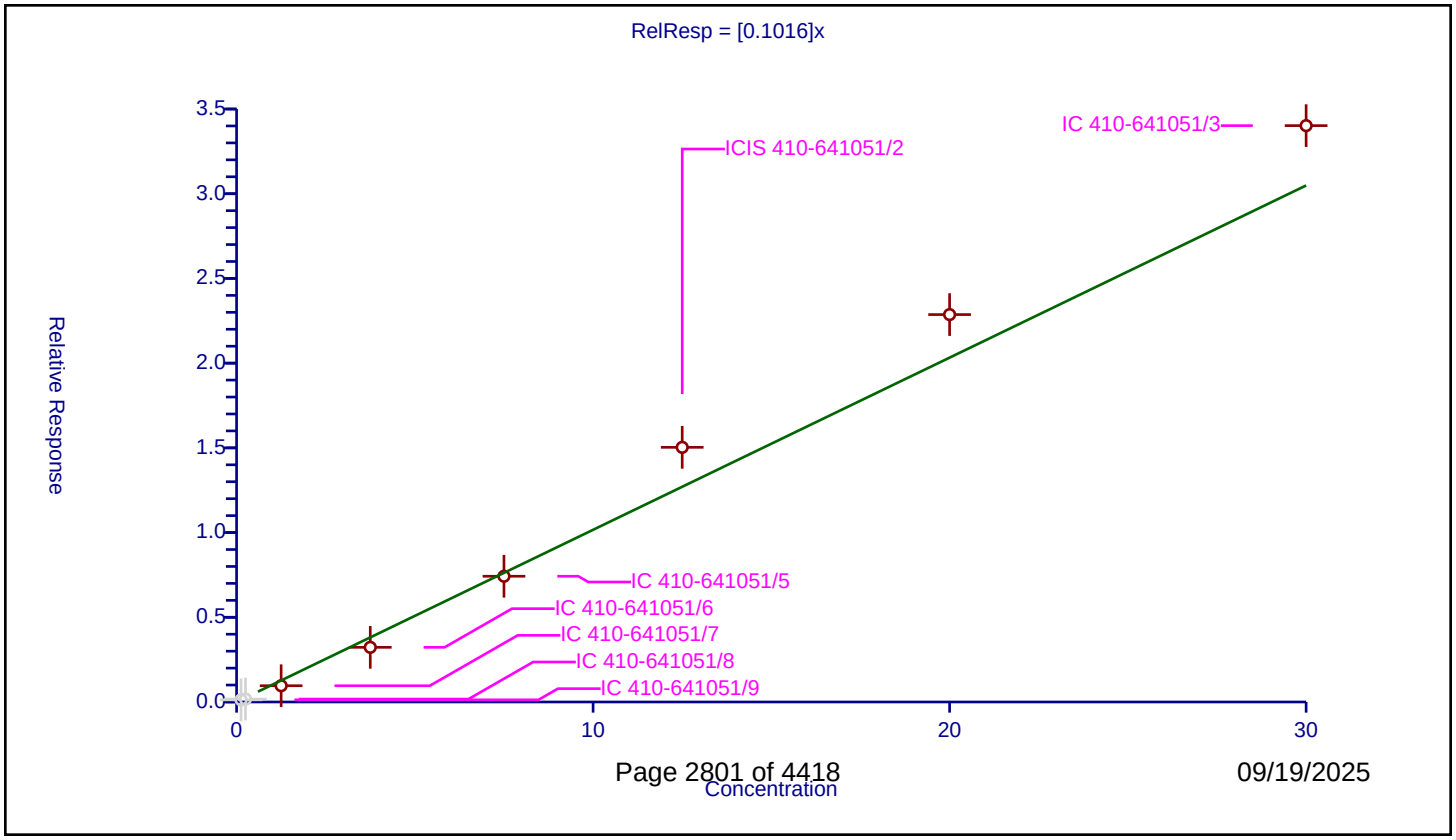
Curve Coefficients

Intercept:	0
Slope:	0.1016

Error Coefficients

Relative Standard Deviation:	17.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.012599	5.0	776661.0	0.10079	N
2	IC 410-641051/8	0.25	0.017313	5.0	763891.0	0.069251	N
3	IC 410-641051/7	1.25	0.095974	5.0	753435.0	0.076779	Y
4	IC 410-641051/6	3.75	0.322666	5.0	780250.0	0.086044	Y
5	IC 410-641051/5	7.5	0.742153	5.0	728024.0	0.098954	Y
6	ICIS 410-641051/2	12.5	1.503097	5.0	806658.0	0.120248	Y
7	IC 410-641051/4	20.0	2.286634	5.0	805341.0	0.114332	Y
8	IC 410-641051/3	30.0	3.401861	5.0	803087.0	0.113395	Y



Calibration / Octachlorostyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

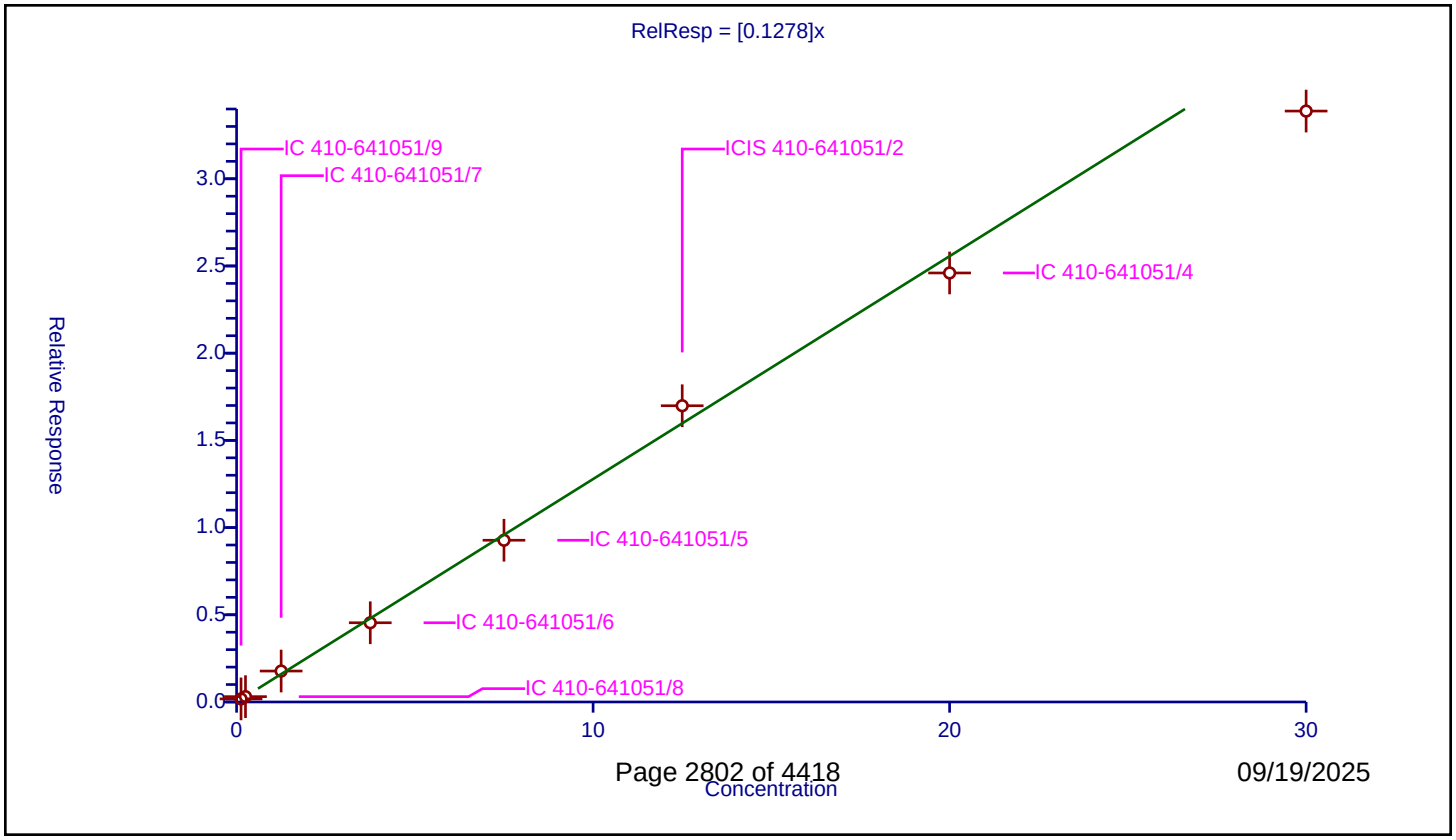
Curve Coefficients

Intercept:	0
Slope:	0.1278

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.017672	5.0	776661.0	0.141374	Y
2	IC 410-641051/8	0.25	0.030639	5.0	763891.0	0.122557	Y
3	IC 410-641051/7	1.25	0.177407	5.0	753435.0	0.141926	Y
4	IC 410-641051/6	3.75	0.454271	5.0	780250.0	0.121139	Y
5	IC 410-641051/5	7.5	0.927428	5.0	728024.0	0.123657	Y
6	ICIS 410-641051/2	12.5	1.698595	5.0	806658.0	0.135888	Y
7	IC 410-641051/4	20.0	2.459908	5.0	805341.0	0.122995	Y
8	IC 410-641051/3	30.0	3.388219	5.0	803087.0	0.112941	Y



Calibration / Isodrin

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

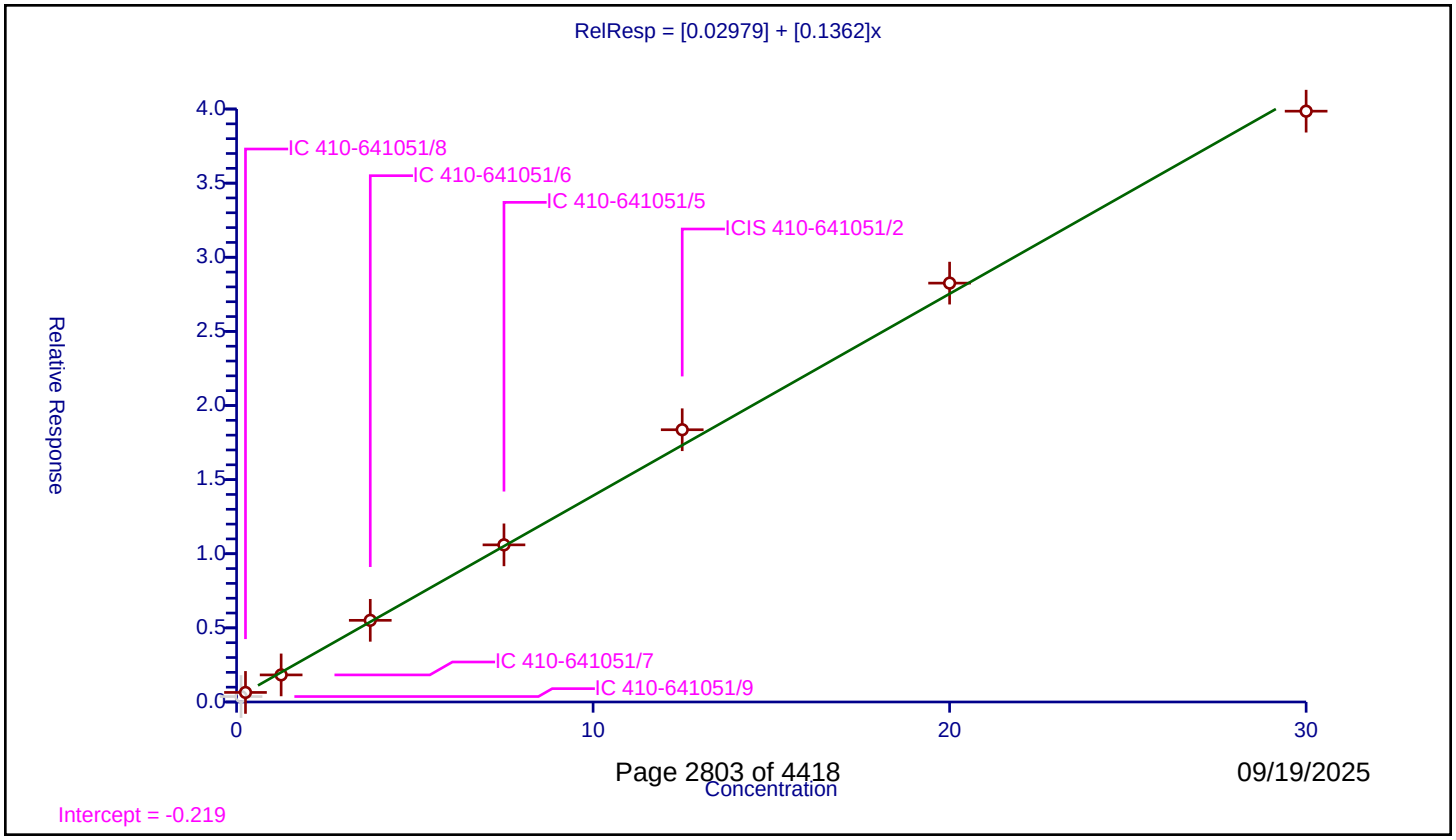
Curve Coefficients

Intercept:	0.02979
Slope:	0.1362

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.036708	5.0	776661.0	0.293667	N
2	IC 410-641051/8	0.25	0.06444	5.0	763891.0	0.257759	Y
3	IC 410-641051/7	1.25	0.182597	5.0	753435.0	0.146078	Y
4	IC 410-641051/6	3.75	0.550977	5.0	780250.0	0.146927	Y
5	IC 410-641051/5	7.5	1.059965	5.0	728024.0	0.141329	Y
6	ICIS 410-641051/2	12.5	1.83659	5.0	806658.0	0.146927	Y
7	IC 410-641051/4	20.0	2.825617	5.0	805341.0	0.141281	Y
8	IC 410-641051/3	30.0	3.985371	5.0	803087.0	0.132846	Y



Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

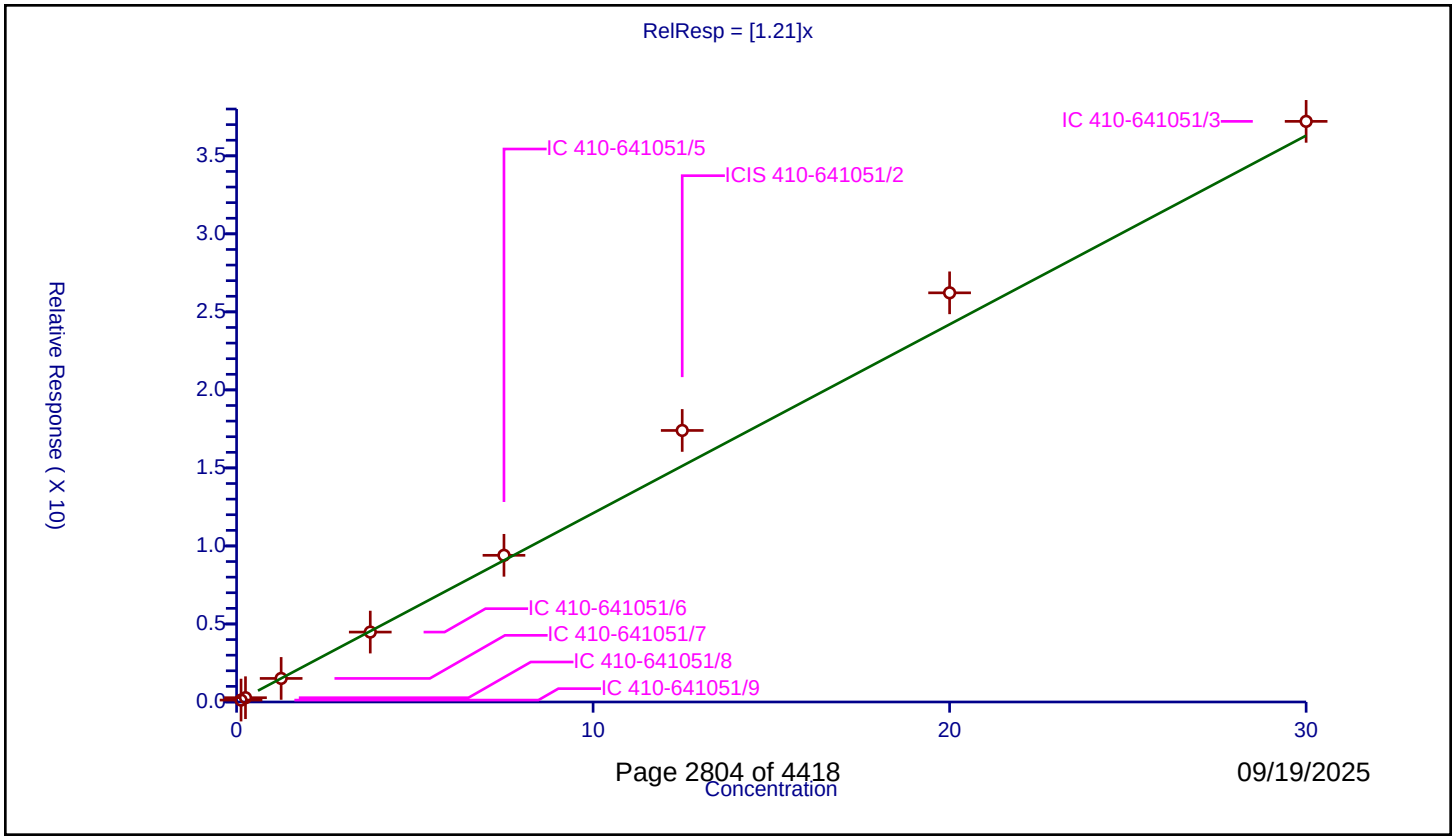
Curve Coefficients

Intercept:	0
Slope:	1.21

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.122866	5.0	776661.0	0.982926	Y
2	IC 410-641051/8	0.25	0.274254	5.0	763891.0	1.097015	Y
3	IC 410-641051/7	1.25	1.510601	5.0	753435.0	1.208481	Y
4	IC 410-641051/6	3.75	4.479667	5.0	780250.0	1.194578	Y
5	IC 410-641051/5	7.5	9.39912	5.0	728024.0	1.253216	Y
6	ICIS 410-641051/2	12.5	17.400509	5.0	806658.0	1.392041	Y
7	IC 410-641051/4	20.0	26.219912	5.0	805341.0	1.310996	Y
8	IC 410-641051/3	30.0	37.209057	5.0	803087.0	1.240302	Y



09/19/2025

Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

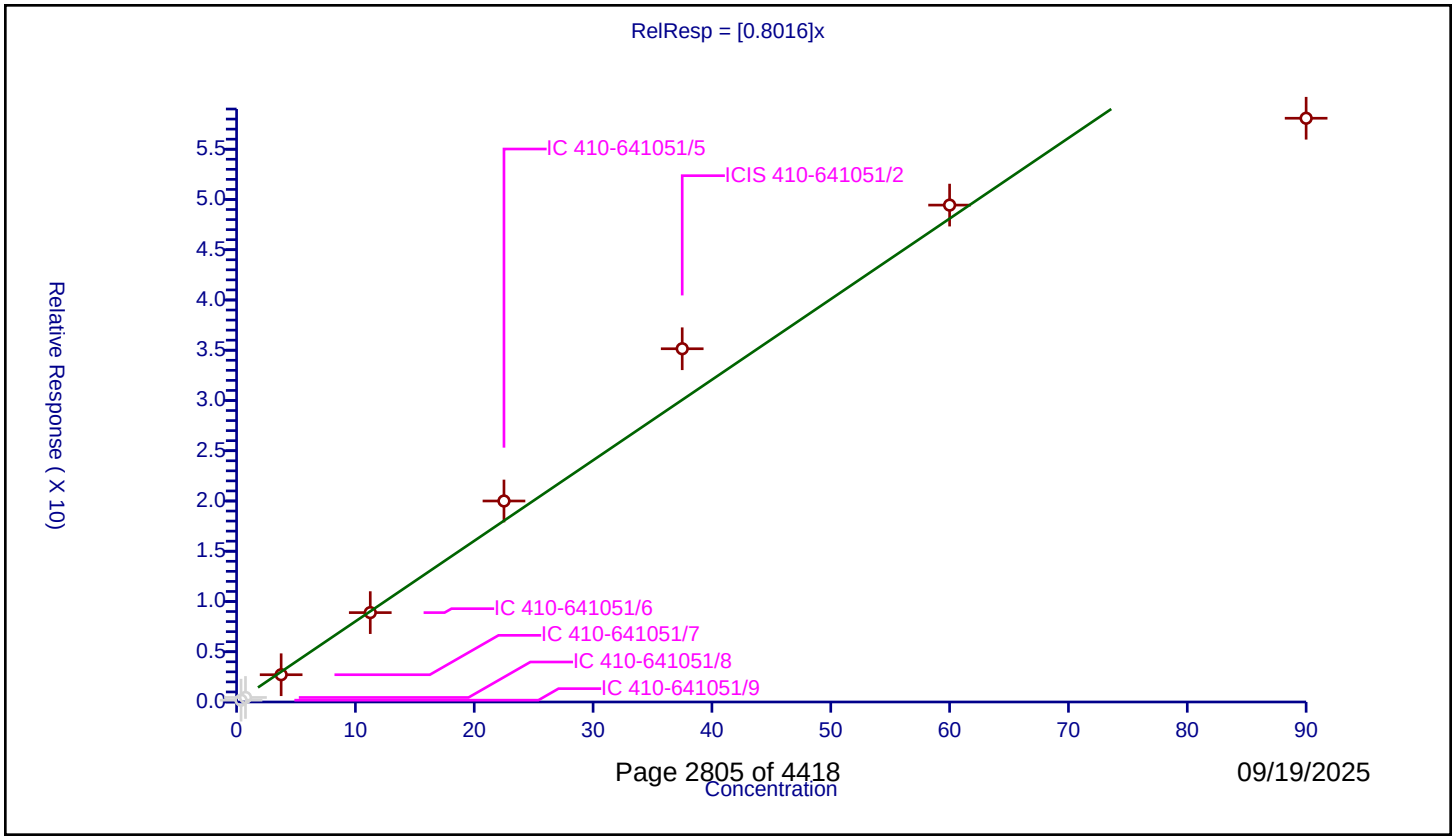
Curve Coefficients

Intercept:	0
Slope:	0.8016

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.375	0.182789	5.0	760414.0	0.487436	N
2	IC 410-641051/8	0.75	0.450121	5.0	761740.0	0.600161	N
3	IC 410-641051/7	3.75	2.713244	5.0	768228.0	0.723532	Y
4	IC 410-641051/6	11.25	8.893778	5.0	782637.0	0.790558	Y
5	IC 410-641051/5	22.5	19.998819	5.0	753624.0	0.888836	Y
6	ICIS 410-641051/2	37.5	35.147193	5.0	870930.0	0.937258	Y
7	IC 410-641051/4	60.0	49.44049	5.0	806026.0	0.824008	Y
8	IC 410-641051/3	90.0	58.081971	5.0	801148.0	0.645355	Y



Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

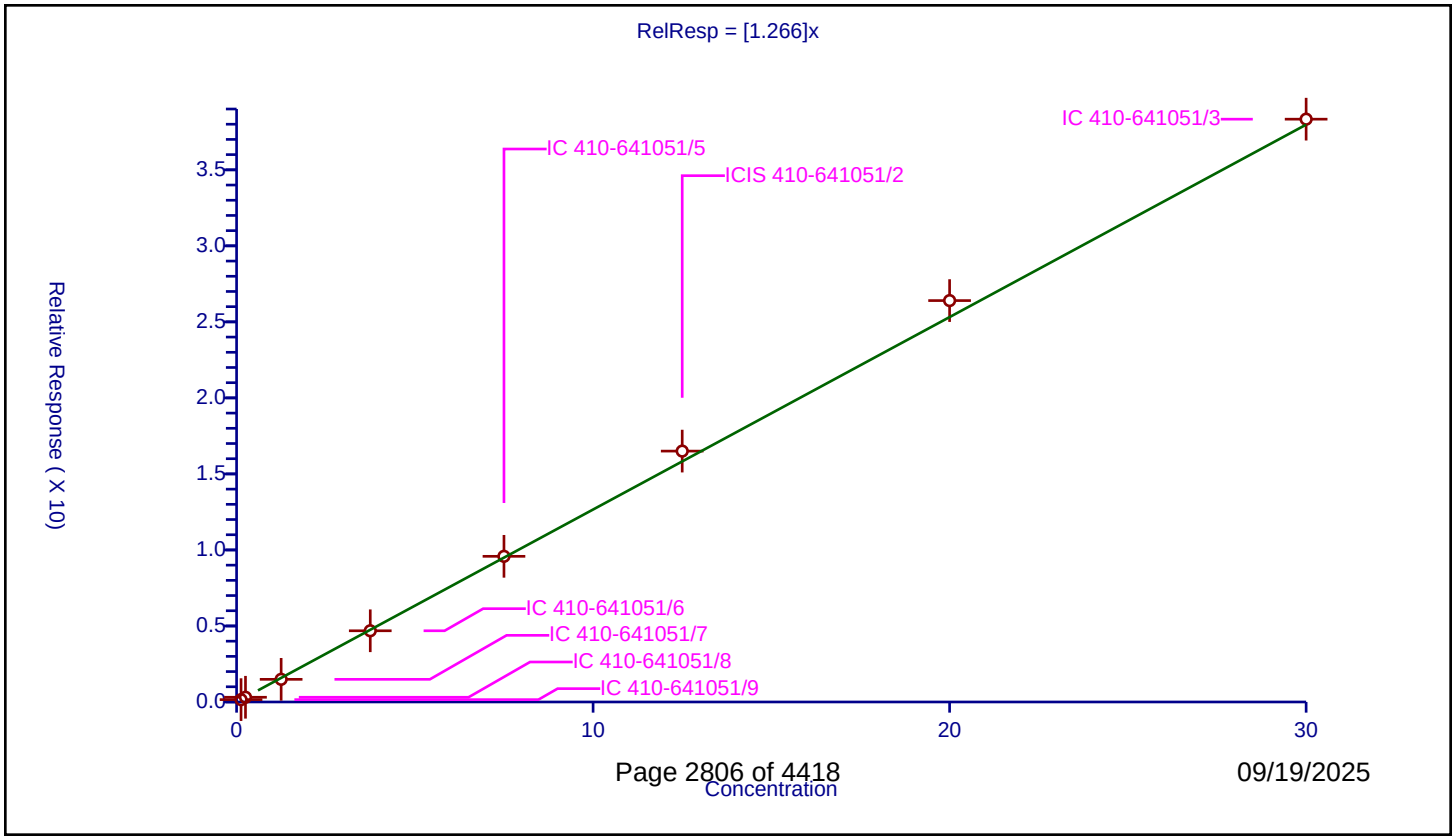
Curve Coefficients

Intercept:	0
Slope:	1.266

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.155968	5.0	760414.0	1.247741	Y
2	IC 410-641051/8	0.25	0.31067	5.0	761740.0	1.242681	Y
3	IC 410-641051/7	1.25	1.489174	5.0	768228.0	1.191339	Y
4	IC 410-641051/6	3.75	4.684471	5.0	782637.0	1.249192	Y
5	IC 410-641051/5	7.5	9.580195	5.0	753624.0	1.277359	Y
6	ICIS 410-641051/2	12.5	16.500683	5.0	870930.0	1.320055	Y
7	IC 410-641051/4	20.0	26.3998	5.0	806026.0	1.31999	Y
8	IC 410-641051/3	30.0	38.331769	5.0	801148.0	1.277726	Y



09/19/2025

Calibration / p-Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

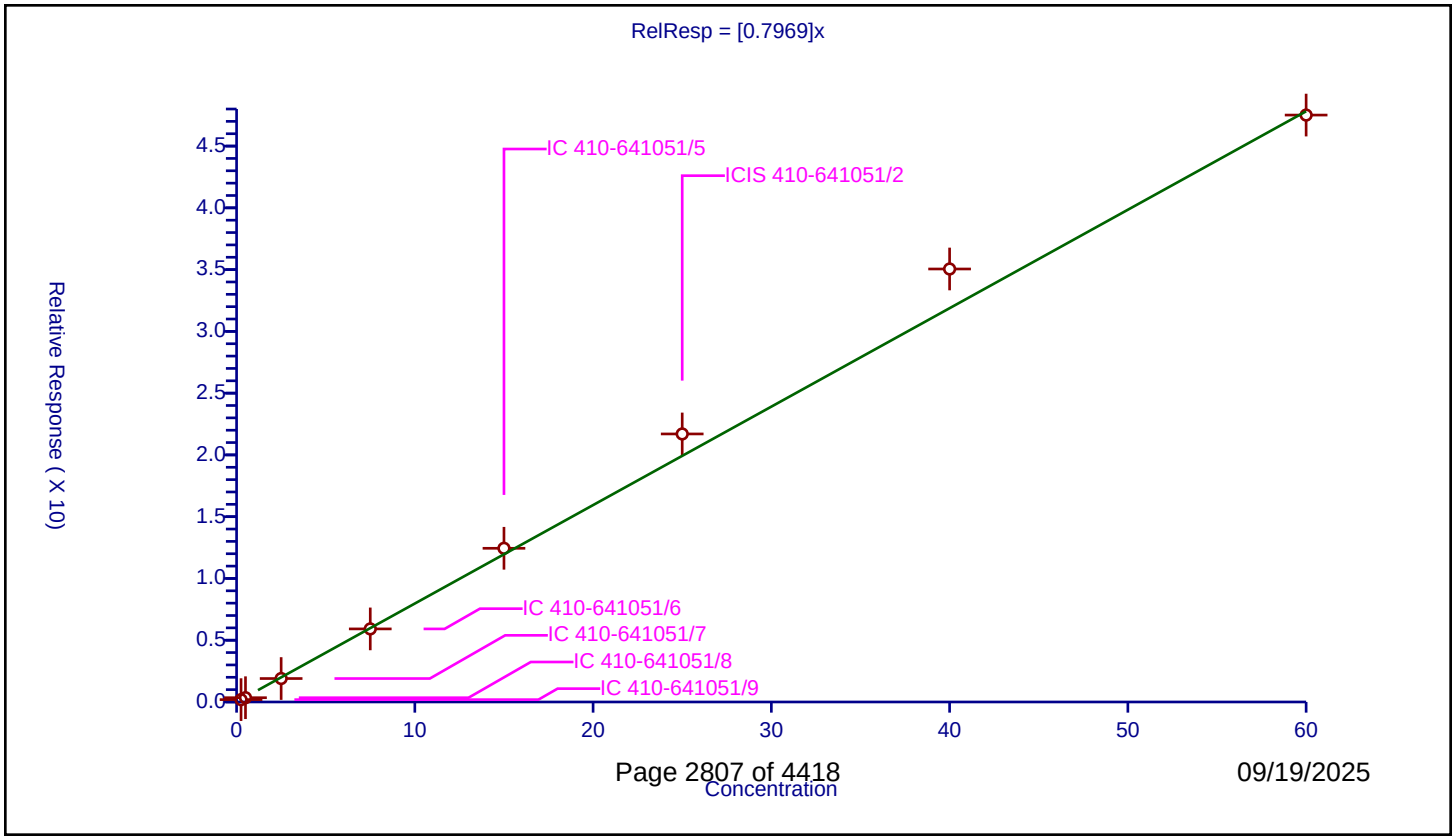
Curve Coefficients

Intercept:	0
Slope:	0.7969

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.25	0.191757	5.0	760414.0	0.76703	Y
2	IC 410-641051/8	0.5	0.347304	5.0	761740.0	0.694607	Y
3	IC 410-641051/7	2.5	1.89857	5.0	768228.0	0.759428	Y
4	IC 410-641051/6	7.5	5.914964	5.0	782637.0	0.788662	Y
5	IC 410-641051/5	15.0	12.442239	5.0	753624.0	0.829483	Y
6	ICIS 410-641051/2	25.0	21.696704	5.0	870930.0	0.867868	Y
7	IC 410-641051/4	40.0	35.049818	5.0	806026.0	0.876245	Y
8	IC 410-641051/3	60.0	47.509767	5.0	801148.0	0.791829	Y



Calibration / p-Dimethylamino azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

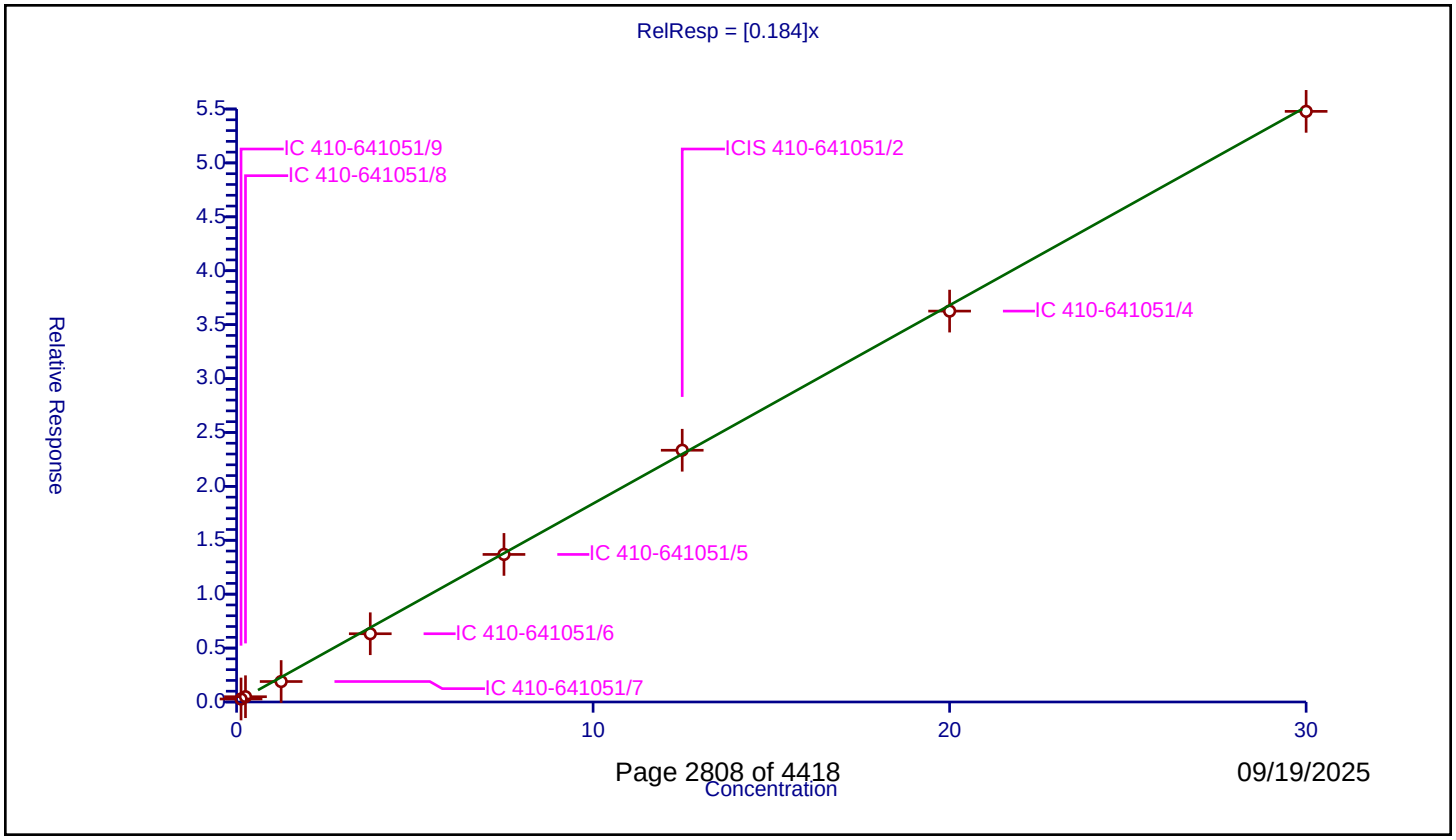
Curve Coefficients

Intercept:	0
Slope:	0.184

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.02786	5.0	760414.0	0.222879	Y
2	IC 410-641051/8	0.25	0.048809	5.0	761740.0	0.195237	Y
3	IC 410-641051/7	1.25	0.189761	5.0	768228.0	0.151809	Y
4	IC 410-641051/6	3.75	0.63309	5.0	782637.0	0.168824	Y
5	IC 410-641051/5	7.5	1.368607	5.0	753624.0	0.182481	Y
6	ICIS 410-641051/2	12.5	2.335096	5.0	870930.0	0.186808	Y
7	IC 410-641051/4	20.0	3.625652	5.0	806026.0	0.181283	Y
8	IC 410-641051/3	30.0	5.478332	5.0	801148.0	0.182611	Y



Calibration / Chlorobenzilate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

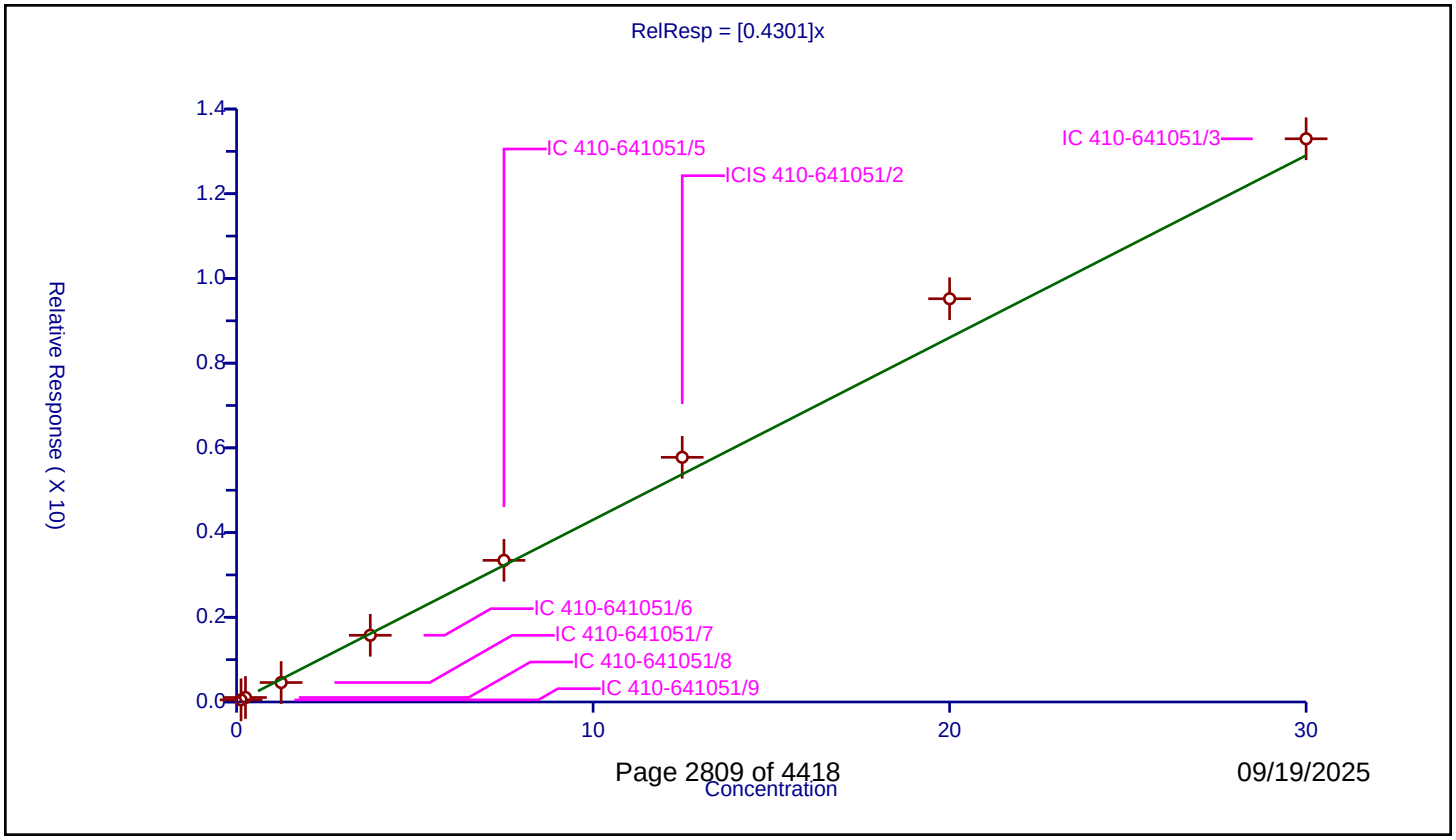
Curve Coefficients

Intercept:	0
Slope:	0.4301

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.050321	5.0	760414.0	0.40257	Y
2	IC 410-641051/8	0.25	0.105955	5.0	761740.0	0.423819	Y
3	IC 410-641051/7	1.25	0.459297	5.0	768228.0	0.367438	Y
4	IC 410-641051/6	3.75	1.575047	5.0	782637.0	0.420013	Y
5	IC 410-641051/5	7.5	3.343889	5.0	753624.0	0.445852	Y
6	ICIS 410-641051/2	12.5	5.776968	5.0	870930.0	0.462157	Y
7	IC 410-641051/4	20.0	9.520276	5.0	806026.0	0.476014	Y
8	IC 410-641051/3	30.0	13.297431	5.0	801148.0	0.443248	Y



09/19/2025

Calibration / Famphur

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

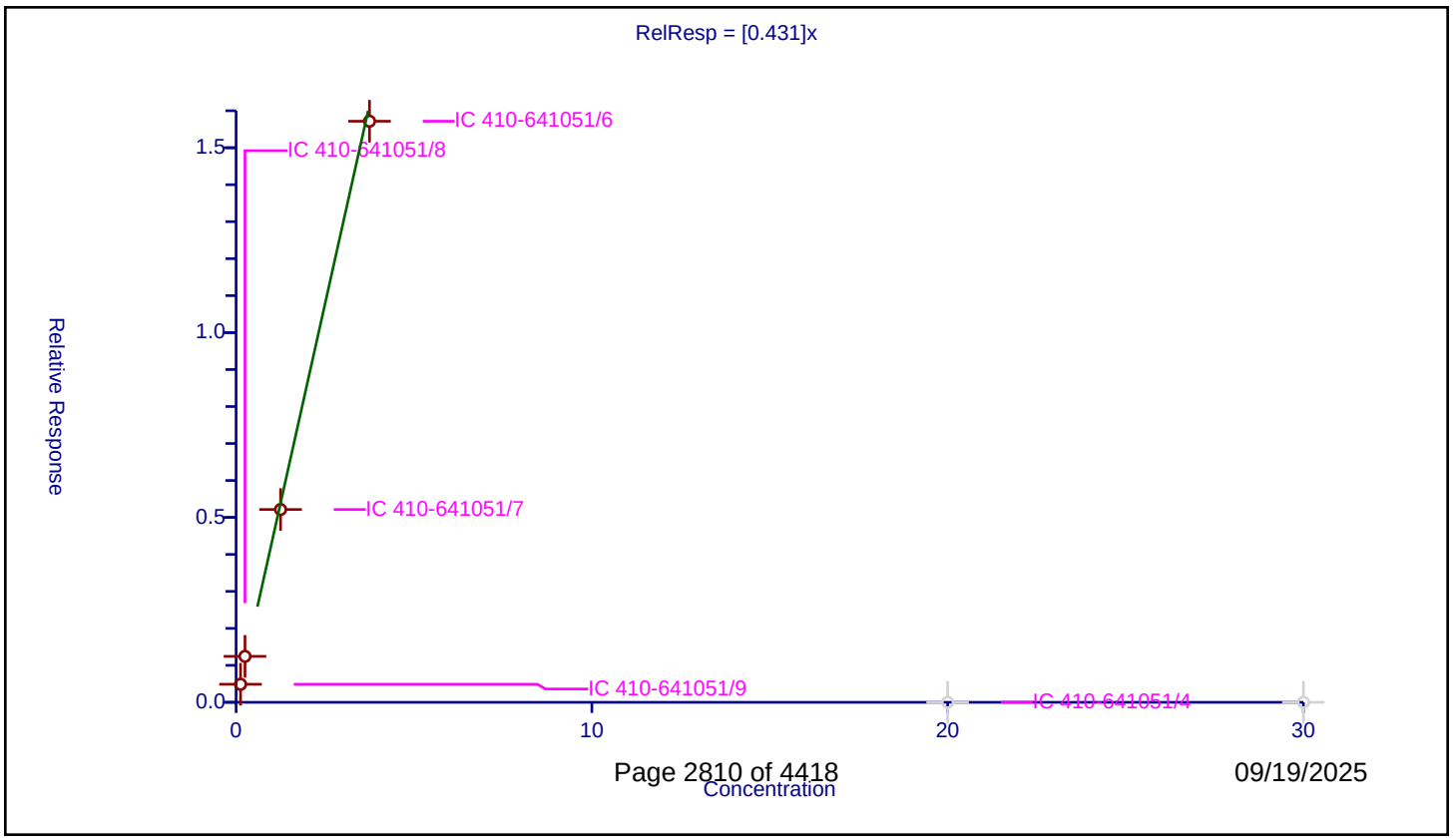
Curve Coefficients

Intercept:	0
Slope:	0.431

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.048842	5.0	760414.0	0.390735	Y
2	IC 410-641051/8	0.25	0.124268	5.0	761740.0	0.497072	Y
3	IC 410-641051/7	1.25	0.521499	5.0	768228.0	0.417199	Y
4	IC 410-641051/6	3.75	1.571623	5.0	782637.0	0.419099	Y
5	IC 410-641051/4	20.0	0.0	5.0	806026.0	0.0	N
6	IC 410-641051/3	30.0	0.0	5.0	801148.0	0.0	N



Calibration / 3,3'-Dimethylbenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

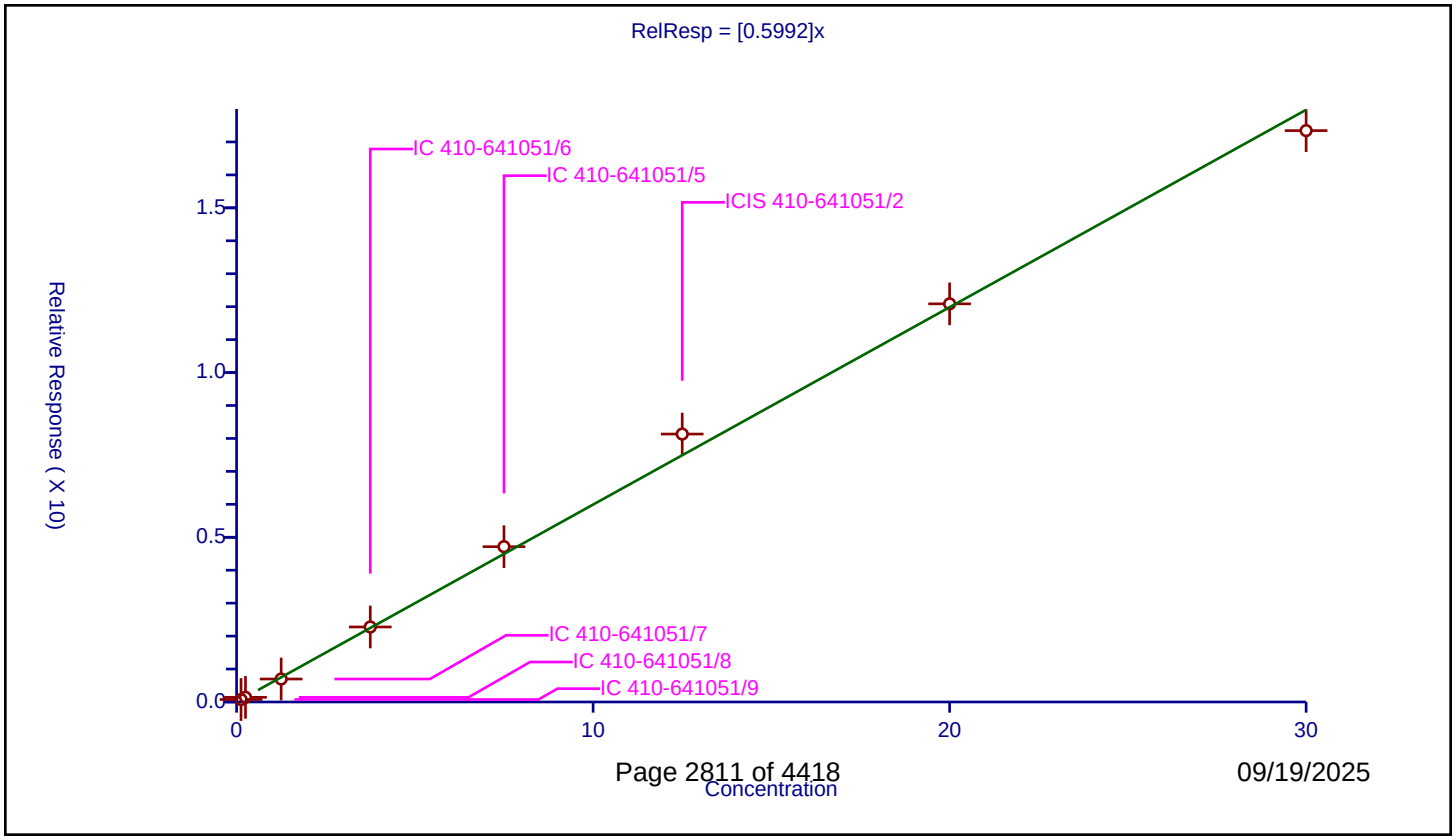
Curve Coefficients

Intercept:	0
Slope:	0.5992

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.074801	5.0	760414.0	0.598411	Y
2	IC 410-641051/8	0.25	0.141991	5.0	761740.0	0.567963	Y
3	IC 410-641051/7	1.25	0.697579	5.0	768228.0	0.558063	Y
4	IC 410-641051/6	3.75	2.277224	5.0	782637.0	0.60726	Y
5	IC 410-641051/5	7.5	4.715183	5.0	753624.0	0.628691	Y
6	ICIS 410-641051/2	12.5	8.133099	5.0	870930.0	0.650648	Y
7	IC 410-641051/4	20.0	12.085888	5.0	806026.0	0.604294	Y
8	IC 410-641051/3	30.0	17.344511	5.0	801148.0	0.57815	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

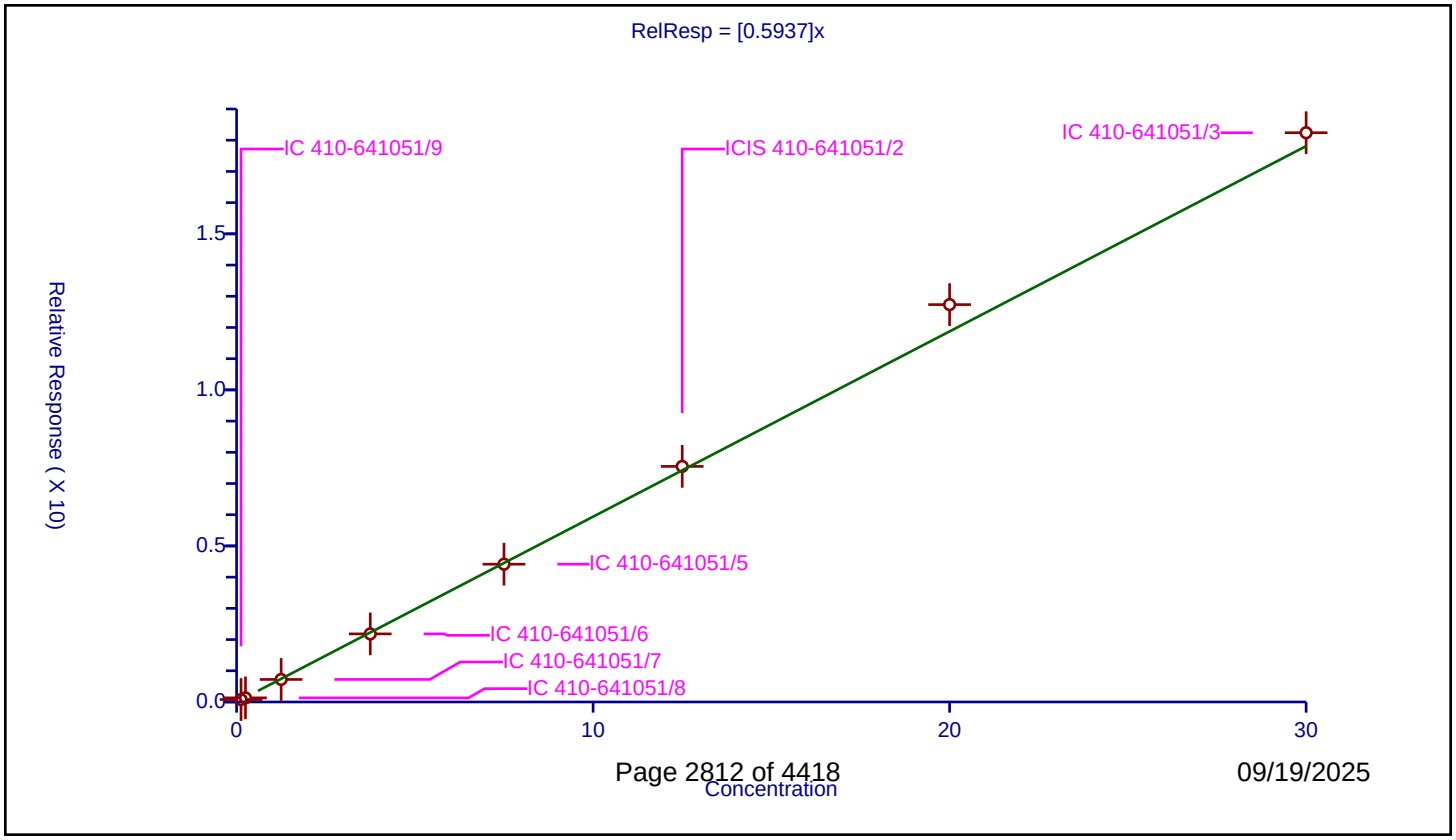
Curve Coefficients

Intercept:	0
Slope:	0.5937

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.07801	5.0	760414.0	0.624081	Y
2	IC 410-641051/8	0.25	0.132046	5.0	761740.0	0.528185	Y
3	IC 410-641051/7	1.25	0.722832	5.0	768228.0	0.578266	Y
4	IC 410-641051/6	3.75	2.182212	5.0	782637.0	0.581923	Y
5	IC 410-641051/5	7.5	4.415259	5.0	753624.0	0.588701	Y
6	ICIS 410-641051/2	12.5	7.548752	5.0	870930.0	0.6039	Y
7	IC 410-641051/4	20.0	12.732772	5.0	806026.0	0.636639	Y
8	IC 410-641051/3	30.0	18.240163	5.0	801148.0	0.608005	Y



Calibration / 2-Acetylaminofluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

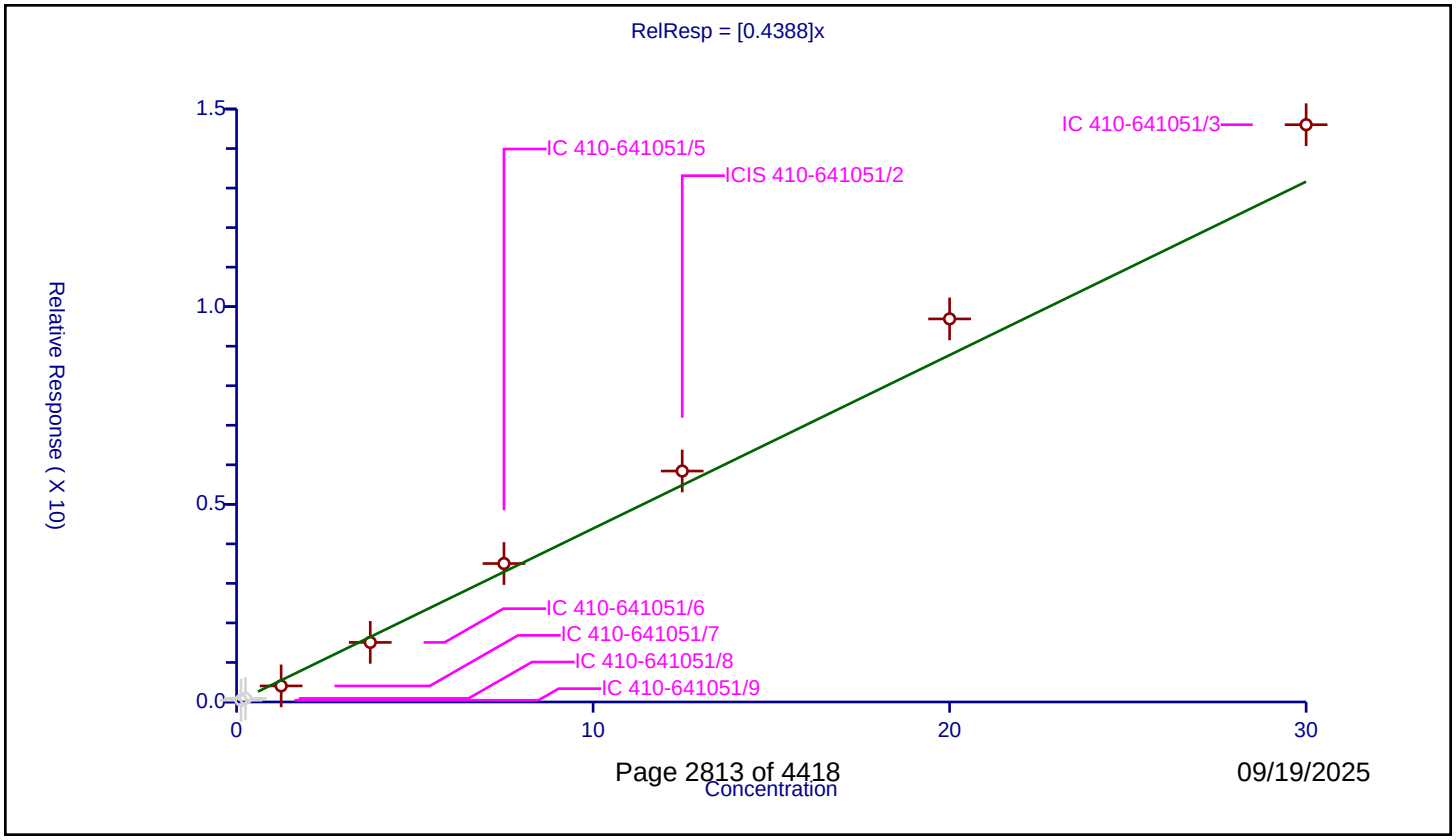
Curve Coefficients

Intercept:	0
Slope:	0.4388

Error Coefficients

Relative Standard Deviation:	14.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.044042	5.0	760414.0	0.352334	N
2	IC 410-641051/8	0.25	0.090602	5.0	761740.0	0.362407	N
3	IC 410-641051/7	1.25	0.406247	5.0	768228.0	0.324997	Y
4	IC 410-641051/6	3.75	1.507302	5.0	782637.0	0.401947	Y
5	IC 410-641051/5	7.5	3.50239	5.0	753624.0	0.466985	Y
6	ICIS 410-641051/2	12.5	5.841761	5.0	870930.0	0.467341	Y
7	IC 410-641051/4	20.0	9.690519	5.0	806026.0	0.484526	Y
8	IC 410-641051/3	30.0	14.603026	5.0	801148.0	0.486768	Y



Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

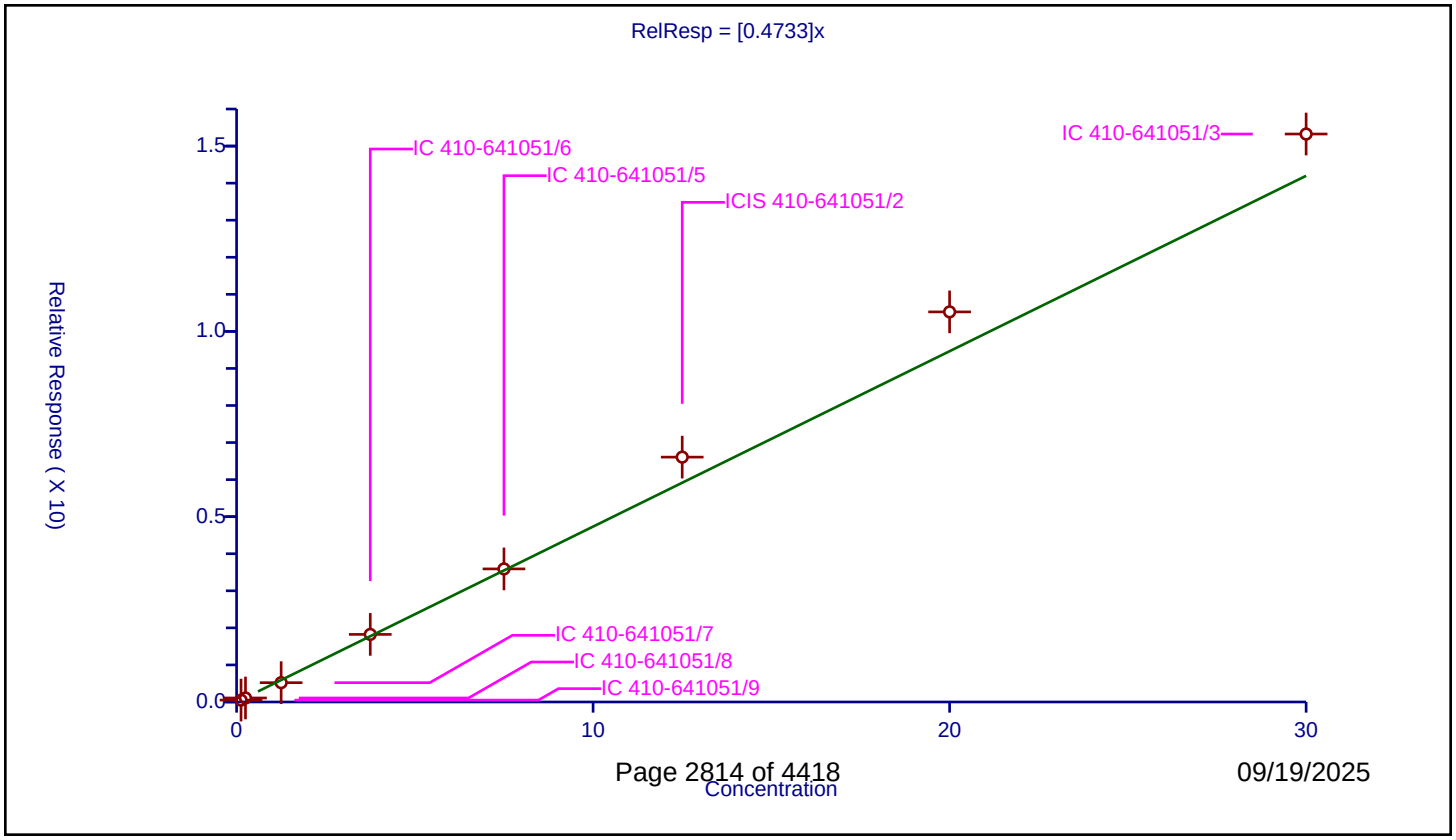
Curve Coefficients

Intercept:	0
Slope:	0.4733

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.050676	5.0	760414.0	0.405411	Y
2	IC 410-641051/8	0.25	0.10816	5.0	761740.0	0.432641	Y
3	IC 410-641051/7	1.25	0.521577	5.0	768228.0	0.417262	Y
4	IC 410-641051/6	3.75	1.82361	5.0	782637.0	0.486296	Y
5	IC 410-641051/5	7.5	3.590756	5.0	753624.0	0.478767	Y
6	ICIS 410-641051/2	12.5	6.60684	5.0	870930.0	0.528547	Y
7	IC 410-641051/4	20.0	10.52592	5.0	806026.0	0.526296	Y
8	IC 410-641051/3	30.0	15.325321	5.0	801148.0	0.510844	Y



09/19/2025

Calibration / 4,4'-Methylene bis(2-chloroaniline)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

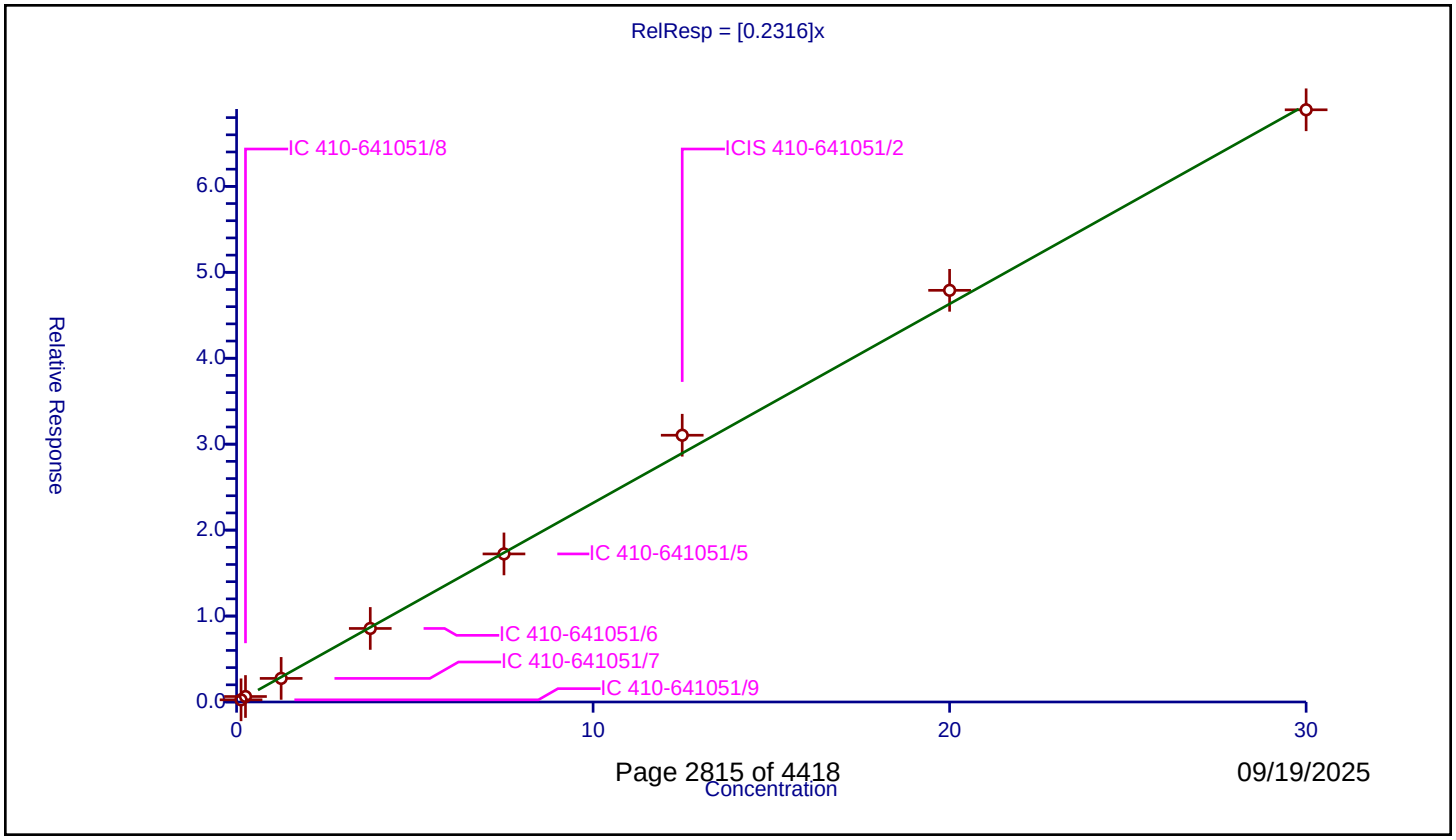
Curve Coefficients

Intercept:	0
Slope:	0.2316

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.025289	5.0	760414.0	0.202311	Y
2	IC 410-641051/8	0.25	0.063887	5.0	761740.0	0.255547	Y
3	IC 410-641051/7	1.25	0.274528	5.0	768228.0	0.219622	Y
4	IC 410-641051/6	3.75	0.855524	5.0	782637.0	0.22814	Y
5	IC 410-641051/5	7.5	1.723014	5.0	753624.0	0.229735	Y
6	ICIS 410-641051/2	12.5	3.103946	5.0	870930.0	0.248316	Y
7	IC 410-641051/4	20.0	4.790354	5.0	806026.0	0.239518	Y
8	IC 410-641051/3	30.0	6.890912	5.0	801148.0	0.229697	Y



Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

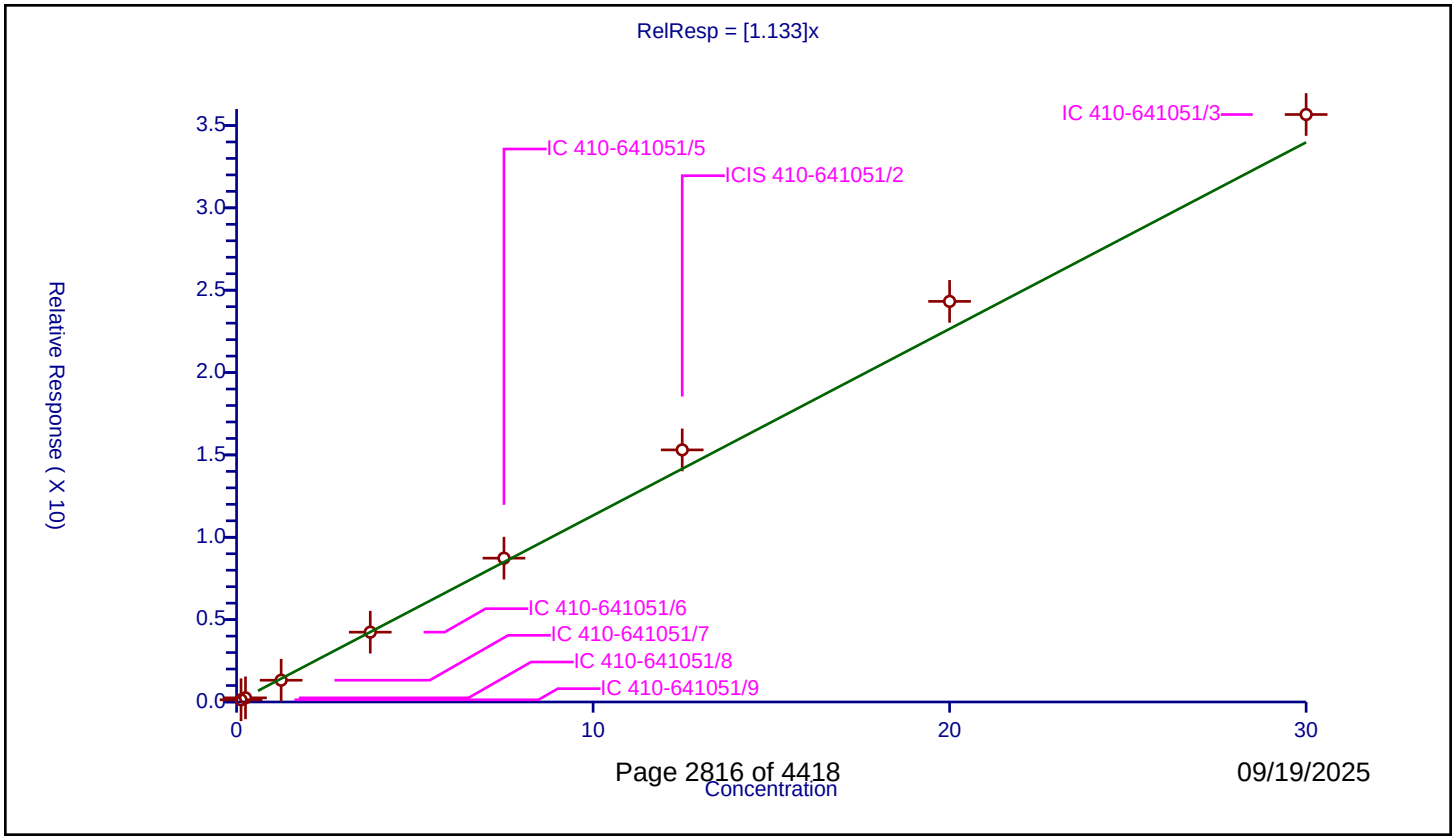
Curve Coefficients

Intercept:	0
Slope:	1.133

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.134243	5.0	760414.0	1.073941	Y
2	IC 410-641051/8	0.25	0.251411	5.0	761740.0	1.005645	Y
3	IC 410-641051/7	1.25	1.321587	5.0	768228.0	1.057269	Y
4	IC 410-641051/6	3.75	4.238759	5.0	782637.0	1.130336	Y
5	IC 410-641051/5	7.5	8.731715	5.0	753624.0	1.164229	Y
6	ICIS 410-641051/2	12.5	15.305524	5.0	870930.0	1.224442	Y
7	IC 410-641051/4	20.0	24.320394	5.0	806026.0	1.21602	Y
8	IC 410-641051/3	30.0	35.667037	5.0	801148.0	1.188901	Y



09/19/2025

Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

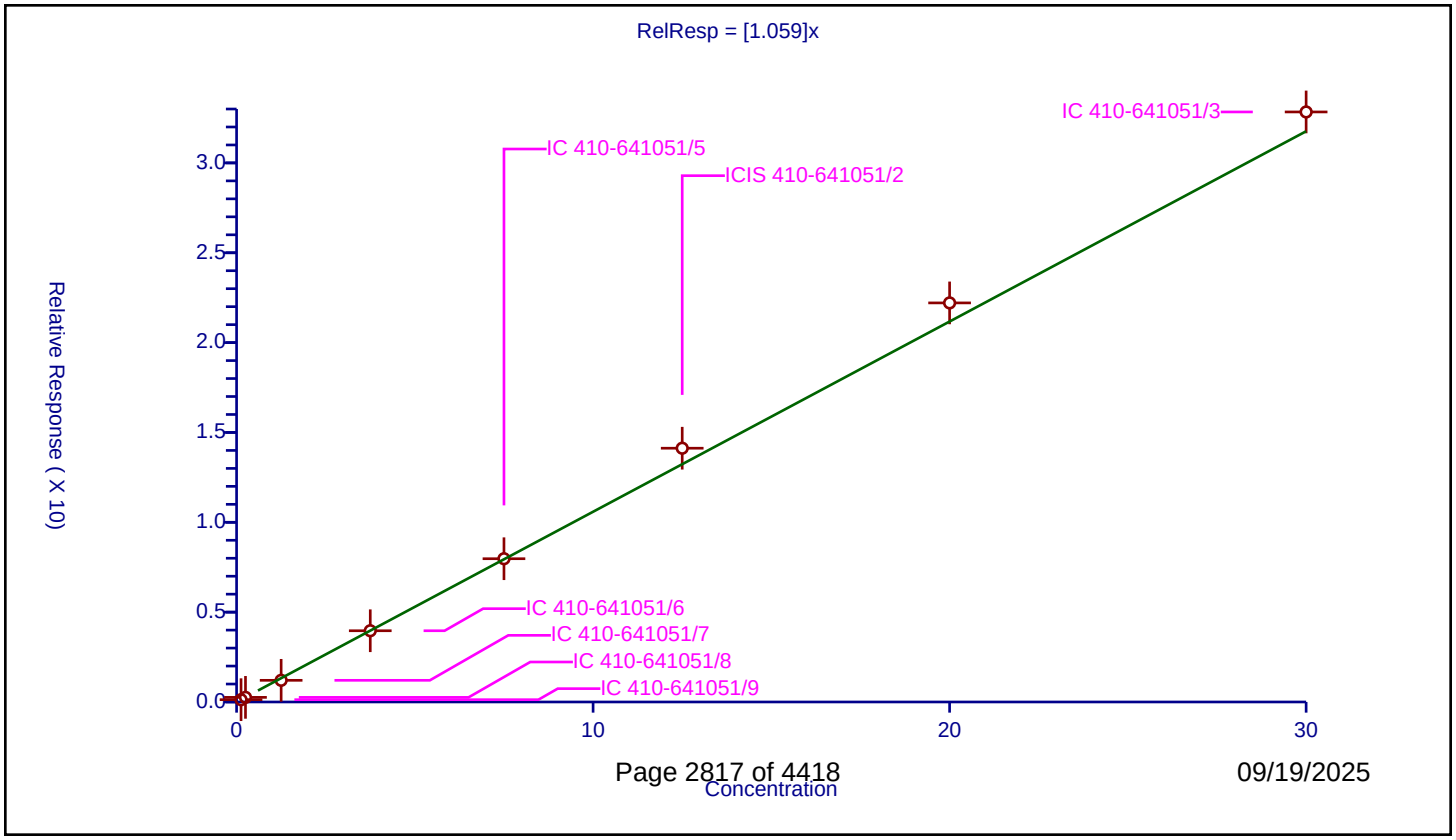
Curve Coefficients

Intercept:	0
Slope:	1.059

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.127832	5.0	760414.0	1.022653	Y
2	IC 410-641051/8	0.25	0.256748	5.0	761740.0	1.026991	Y
3	IC 410-641051/7	1.25	1.205807	5.0	768228.0	0.964646	Y
4	IC 410-641051/6	3.75	3.965312	5.0	782637.0	1.057417	Y
5	IC 410-641051/5	7.5	7.97255	5.0	753624.0	1.063007	Y
6	ICIS 410-641051/2	12.5	14.122622	5.0	870930.0	1.12981	Y
7	IC 410-641051/4	20.0	22.20888	5.0	806026.0	1.110444	Y
8	IC 410-641051/3	30.0	32.836473	5.0	801148.0	1.094549	Y



09/19/2025

Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

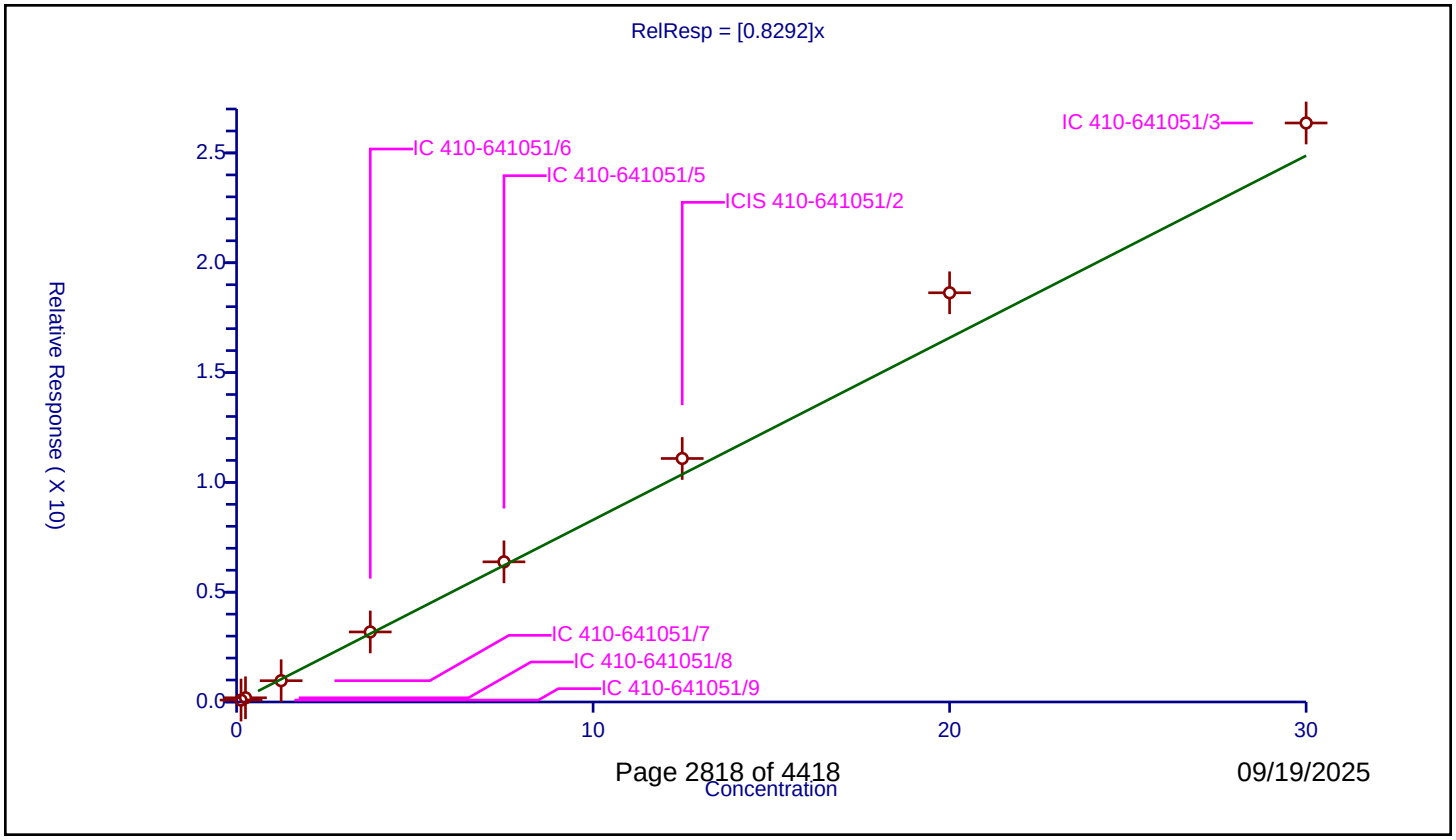
Curve Coefficients

Intercept:	0
Slope:	0.8292

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.086972	5.0	760414.0	0.695779	Y
2	IC 410-641051/8	0.25	0.190767	5.0	761740.0	0.763069	Y
3	IC 410-641051/7	1.25	0.969849	5.0	768228.0	0.775879	Y
4	IC 410-641051/6	3.75	3.189007	5.0	782637.0	0.850402	Y
5	IC 410-641051/5	7.5	6.380881	5.0	753624.0	0.850784	Y
6	ICIS 410-641051/2	12.5	11.08817	5.0	870930.0	0.887054	Y
7	IC 410-641051/4	20.0	18.632234	5.0	806026.0	0.931612	Y
8	IC 410-641051/3	30.0	26.364055	5.0	801148.0	0.878802	Y



09/19/2025

Calibration / 6-Methylchrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

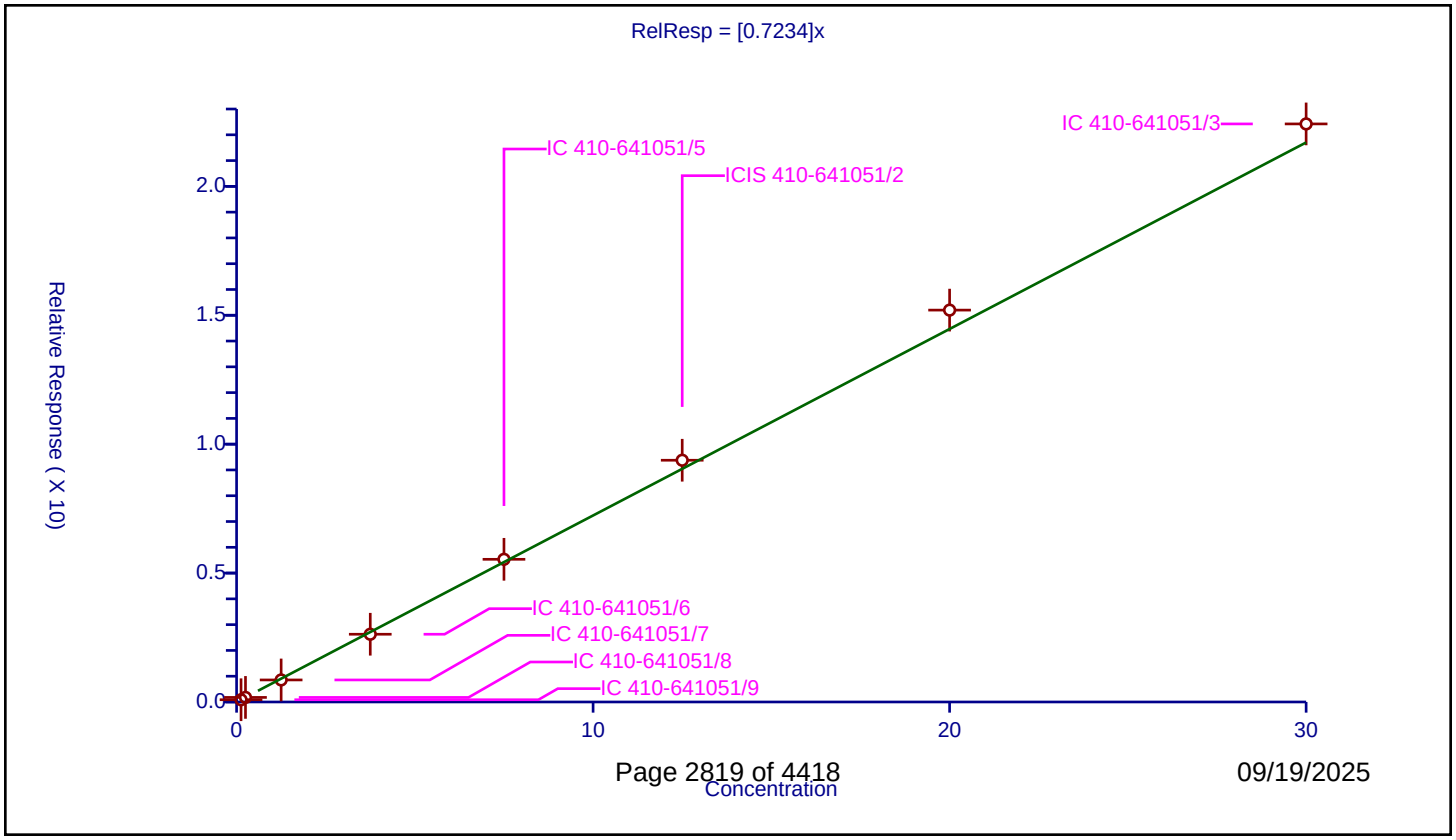
Curve Coefficients

Intercept:	0
Slope:	0.7234

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.087288	5.0	760414.0	0.698304	Y
2	IC 410-641051/8	0.25	0.177121	5.0	761740.0	0.708483	Y
3	IC 410-641051/7	1.25	0.855143	5.0	768228.0	0.684115	Y
4	IC 410-641051/6	3.75	2.628217	5.0	782637.0	0.700858	Y
5	IC 410-641051/5	7.5	5.534398	5.0	753624.0	0.73792	Y
6	ICIS 410-641051/2	12.5	9.376913	5.0	870930.0	0.750153	Y
7	IC 410-641051/4	20.0	15.200068	5.0	806026.0	0.760003	Y
8	IC 410-641051/3	30.0	22.421619	5.0	801148.0	0.747387	Y



Calibration / Di-n-octyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

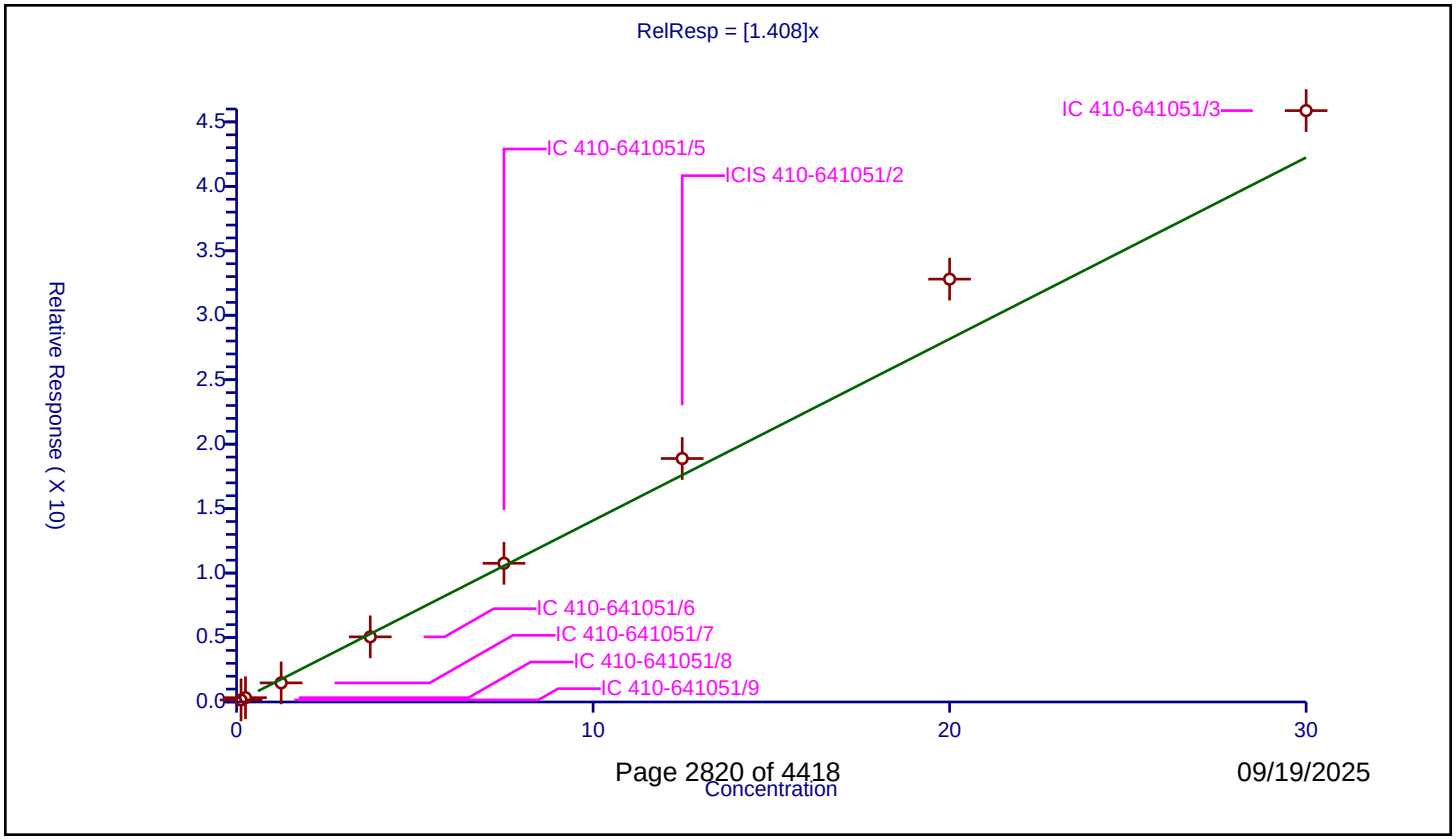
Curve Coefficients

Intercept:	0
Slope:	1.408

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.159854	5.0	703955.0	1.278832	Y
2	IC 410-641051/8	0.25	0.334349	5.0	746749.0	1.337397	Y
3	IC 410-641051/7	1.25	1.481631	5.0	761232.0	1.185305	Y
4	IC 410-641051/6	3.75	5.052314	5.0	814981.0	1.347284	Y
5	IC 410-641051/5	7.5	10.759378	5.0	718924.0	1.434584	Y
6	ICIS 410-641051/2	12.5	18.888655	5.0	867161.0	1.511092	Y
7	IC 410-641051/4	20.0	32.803613	5.0	767251.0	1.640181	Y
8	IC 410-641051/3	30.0	45.875477	5.0	780877.0	1.529183	Y



09/19/2025

Calibration / 7,12-Dimethylbenz(a)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

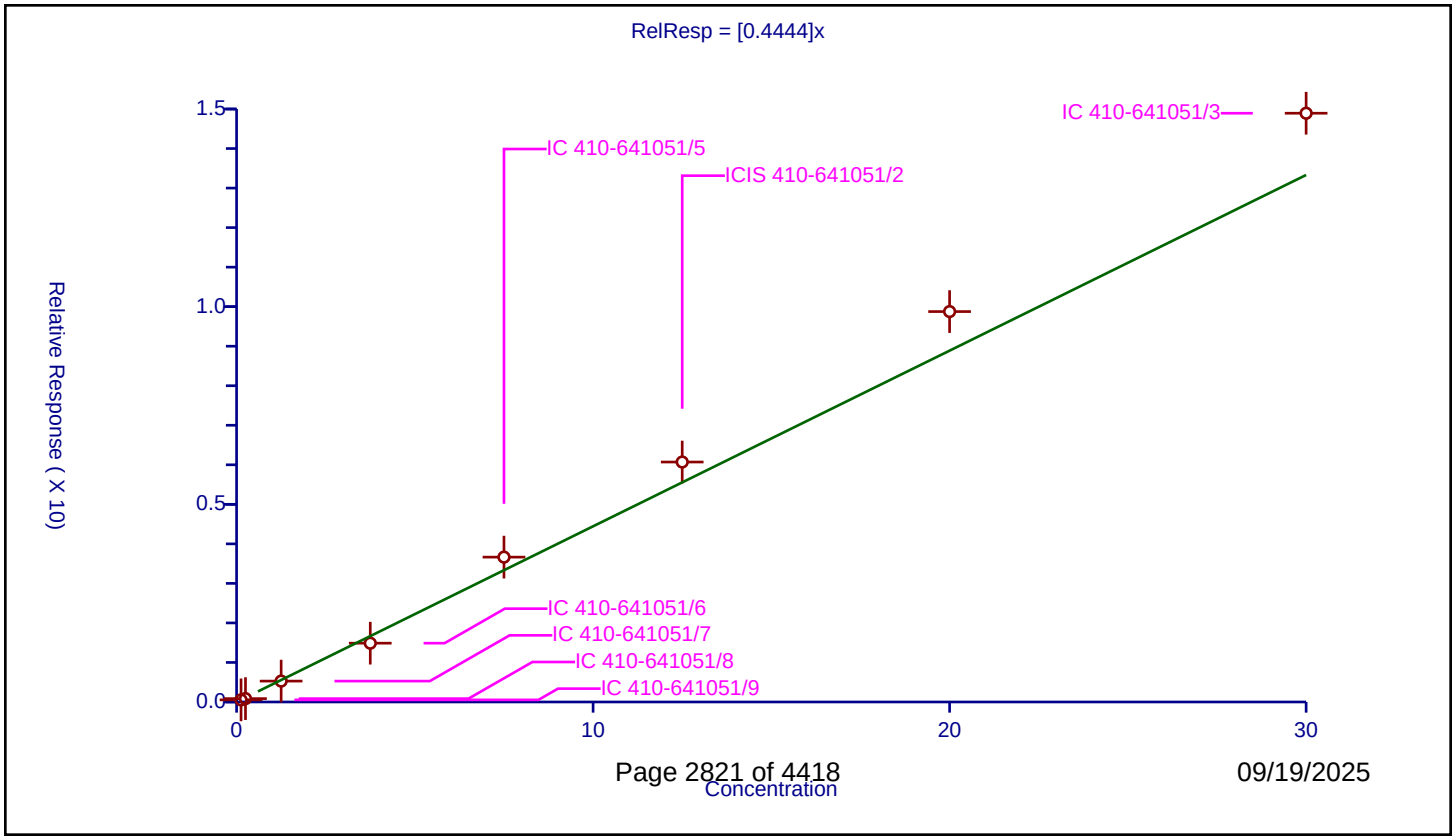
Curve Coefficients

Intercept:	0
Slope:	0.4444

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.053732	5.0	703955.0	0.429857	Y
2	IC 410-641051/8	0.25	0.085296	5.0	746749.0	0.341186	Y
3	IC 410-641051/7	1.25	0.528545	5.0	761232.0	0.422836	Y
4	IC 410-641051/6	3.75	1.487703	5.0	814981.0	0.396721	Y
5	IC 410-641051/5	7.5	3.664289	5.0	718924.0	0.488572	Y
6	ICIS 410-641051/2	12.5	6.07017	5.0	867161.0	0.485614	Y
7	IC 410-641051/4	20.0	9.876064	5.0	767251.0	0.493803	Y
8	IC 410-641051/3	30.0	14.893696	5.0	780877.0	0.496457	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

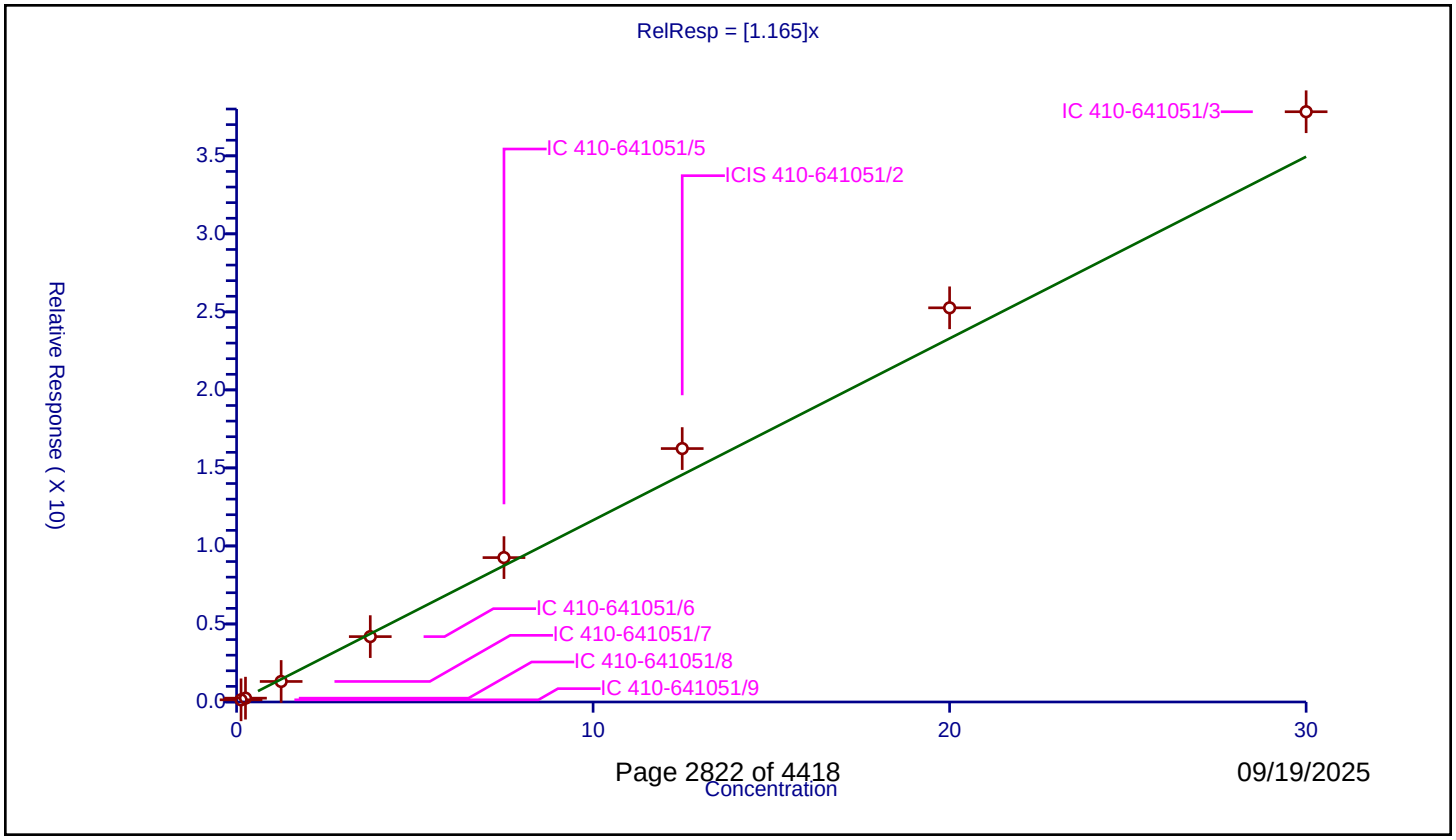
Curve Coefficients

Intercept:	0
Slope:	1.165

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.13883	5.0	703955.0	1.110639	Y
2	IC 410-641051/8	0.25	0.245578	5.0	746749.0	0.982311	Y
3	IC 410-641051/7	1.25	1.314658	5.0	761232.0	1.051727	Y
4	IC 410-641051/6	3.75	4.188693	5.0	814981.0	1.116985	Y
5	IC 410-641051/5	7.5	9.253057	5.0	718924.0	1.233741	Y
6	ICIS 410-641051/2	12.5	16.241136	5.0	867161.0	1.299291	Y
7	IC 410-641051/4	20.0	25.259739	5.0	767251.0	1.262987	Y
8	IC 410-641051/3	30.0	37.825618	5.0	780877.0	1.260854	Y



Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

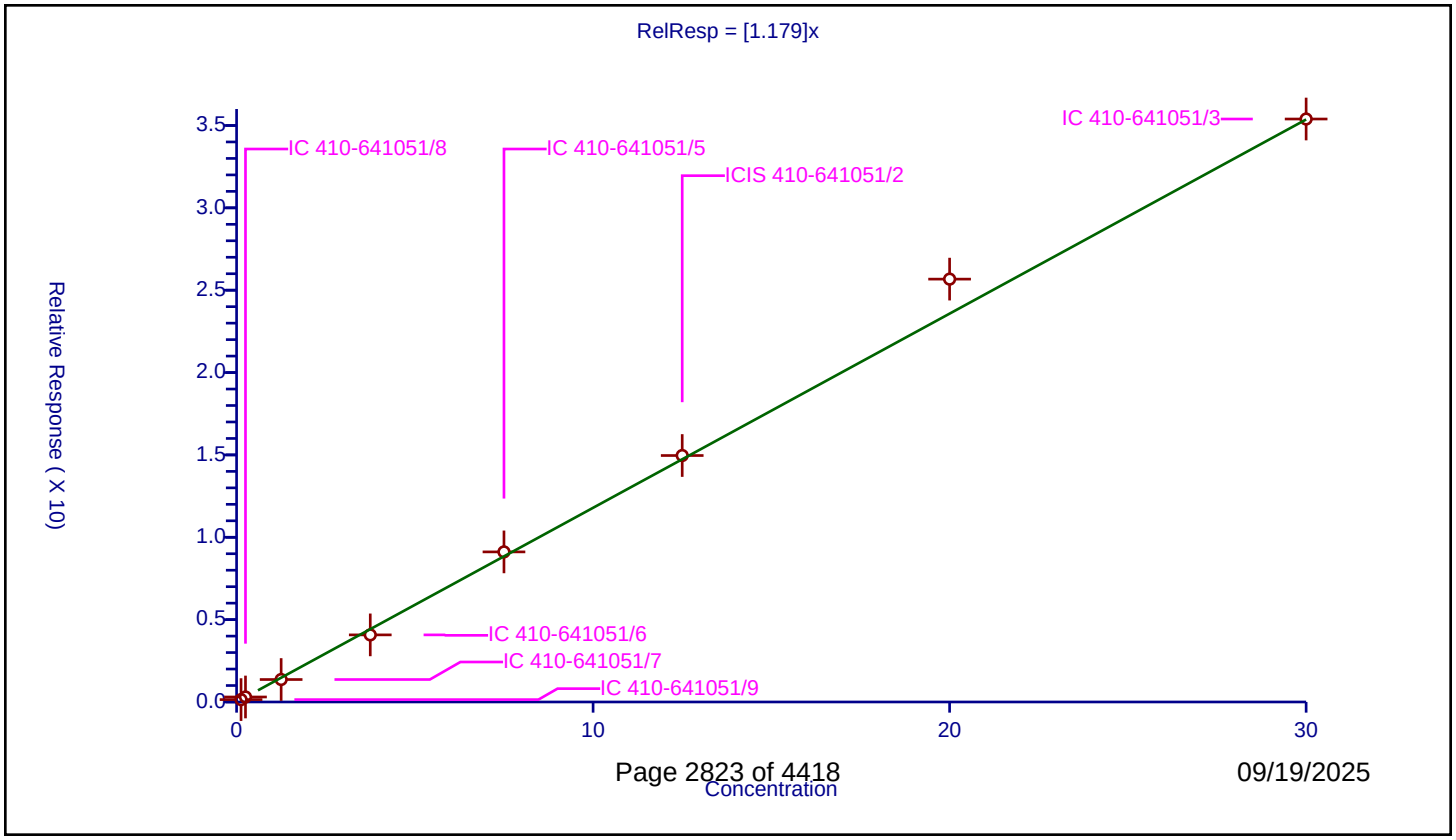
Curve Coefficients

Intercept:	0
Slope:	1.179

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.145357	5.0	703955.0	1.162858	Y
2	IC 410-641051/8	0.25	0.30365	5.0	746749.0	1.214598	Y
3	IC 410-641051/7	1.25	1.364407	5.0	761232.0	1.091525	Y
4	IC 410-641051/6	3.75	4.074481	5.0	814981.0	1.086528	Y
5	IC 410-641051/5	7.5	9.111881	5.0	718924.0	1.214917	Y
6	ICIS 410-641051/2	12.5	14.963398	5.0	867161.0	1.197072	Y
7	IC 410-641051/4	20.0	25.672902	5.0	767251.0	1.283645	Y
8	IC 410-641051/3	30.0	35.392904	5.0	780877.0	1.179763	Y



Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

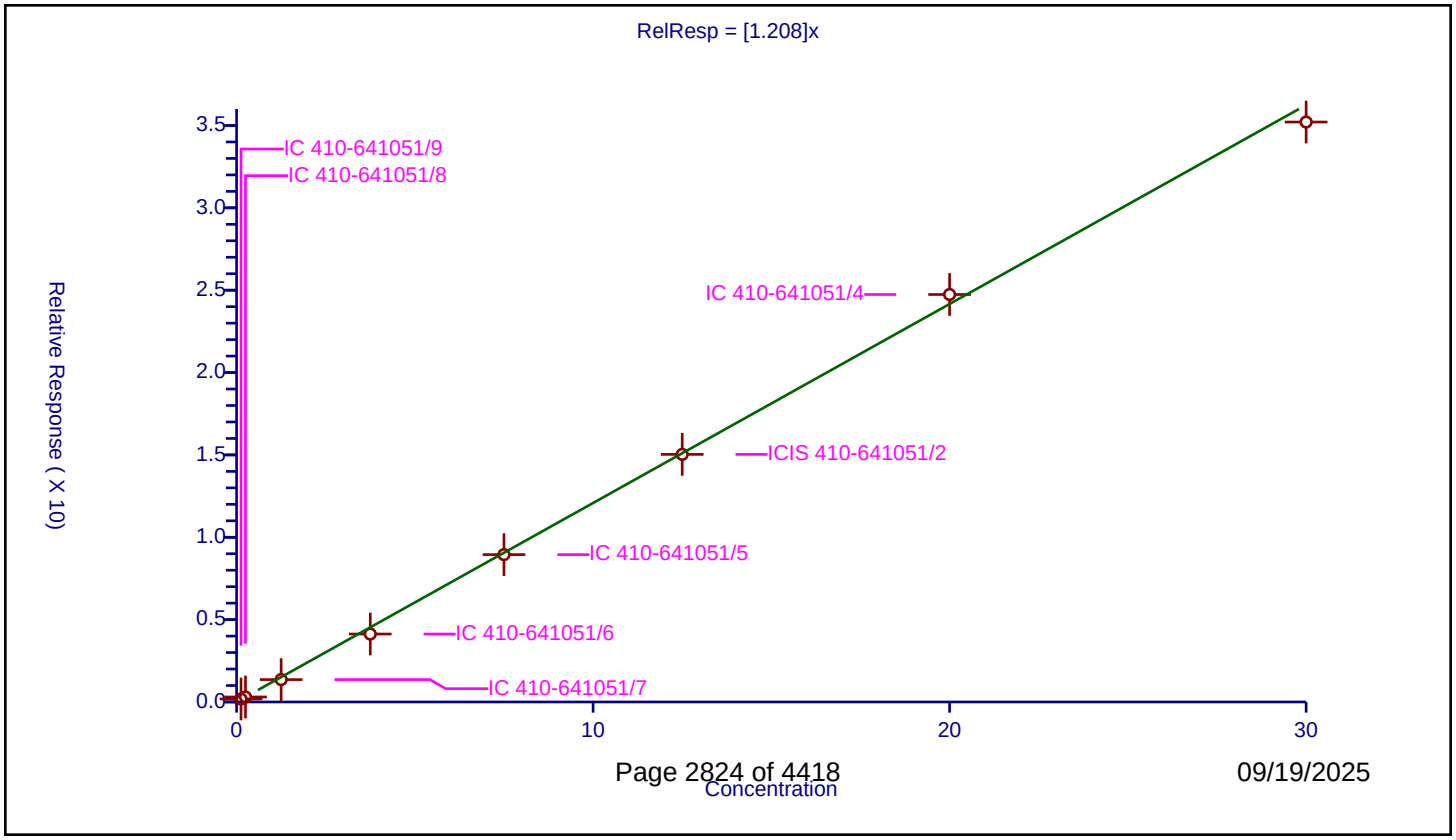
Curve Coefficients

Intercept:	0
Slope:	1.208

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.182497	5.0	703955.0	1.45998	Y
2	IC 410-641051/8	0.25	0.3029	5.0	746749.0	1.211599	Y
3	IC 410-641051/7	1.25	1.358712	5.0	761232.0	1.08697	Y
4	IC 410-641051/6	3.75	4.126176	5.0	814981.0	1.100314	Y
5	IC 410-641051/5	7.5	8.947128	5.0	718924.0	1.19295	Y
6	ICIS 410-641051/2	12.5	15.032935	5.0	867161.0	1.202635	Y
7	IC 410-641051/4	20.0	24.738501	5.0	767251.0	1.236925	Y
8	IC 410-641051/3	30.0	35.210212	5.0	780877.0	1.173674	Y



Calibration / 3-Methylcholanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

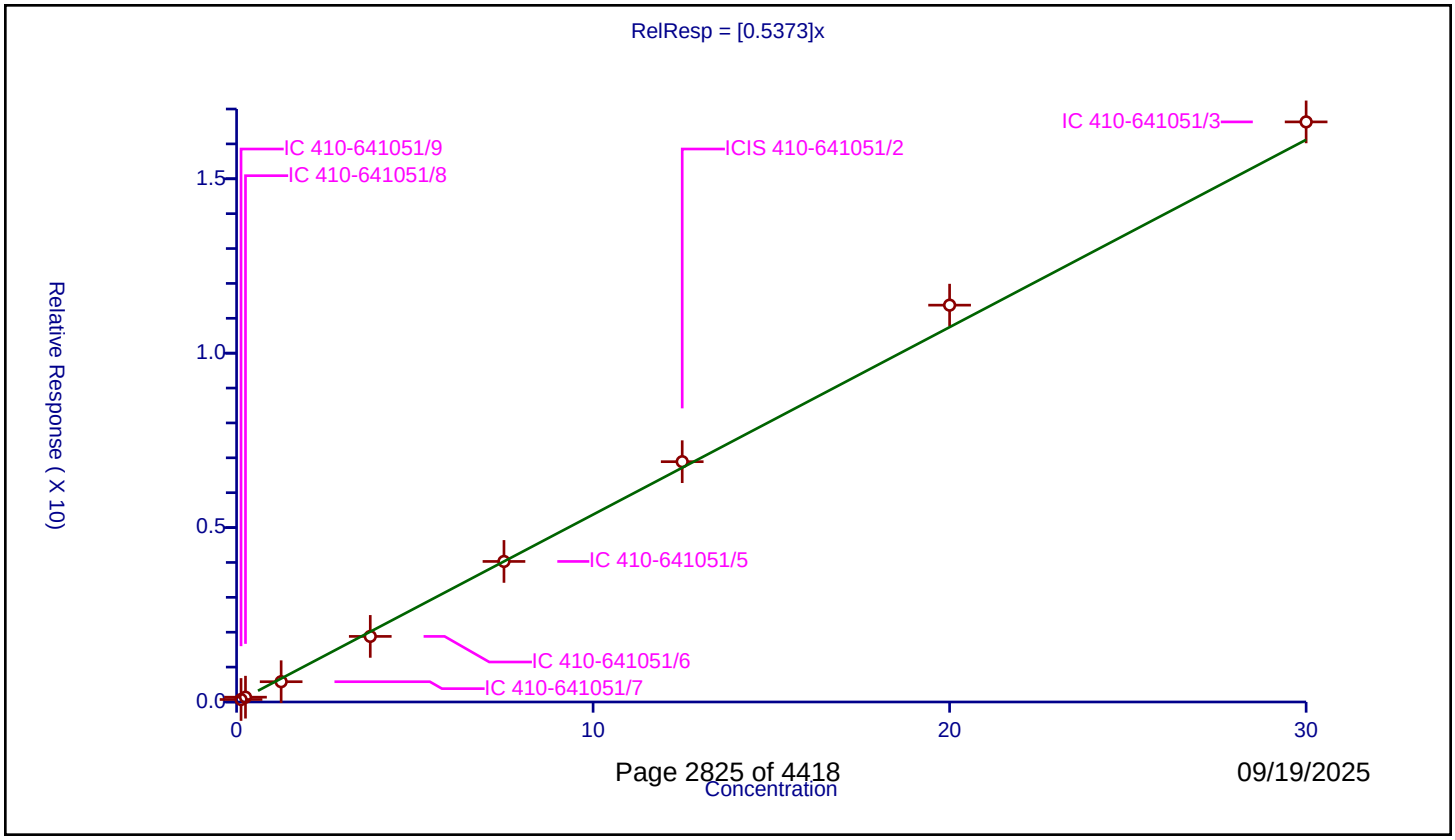
Curve Coefficients

Intercept:	0
Slope:	0.5373

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.071134	5.0	703955.0	0.56907	Y
2	IC 410-641051/8	0.25	0.137764	5.0	746749.0	0.551055	Y
3	IC 410-641051/7	1.25	0.581367	5.0	761232.0	0.465093	Y
4	IC 410-641051/6	3.75	1.880676	5.0	814981.0	0.501514	Y
5	IC 410-641051/5	7.5	4.029501	5.0	718924.0	0.537267	Y
6	ICIS 410-641051/2	12.5	6.889113	5.0	867161.0	0.551129	Y
7	IC 410-641051/4	20.0	11.377176	5.0	767251.0	0.568859	Y
8	IC 410-641051/3	30.0	16.630628	5.0	780877.0	0.554354	Y



Calibration / Dibenz[a,h]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

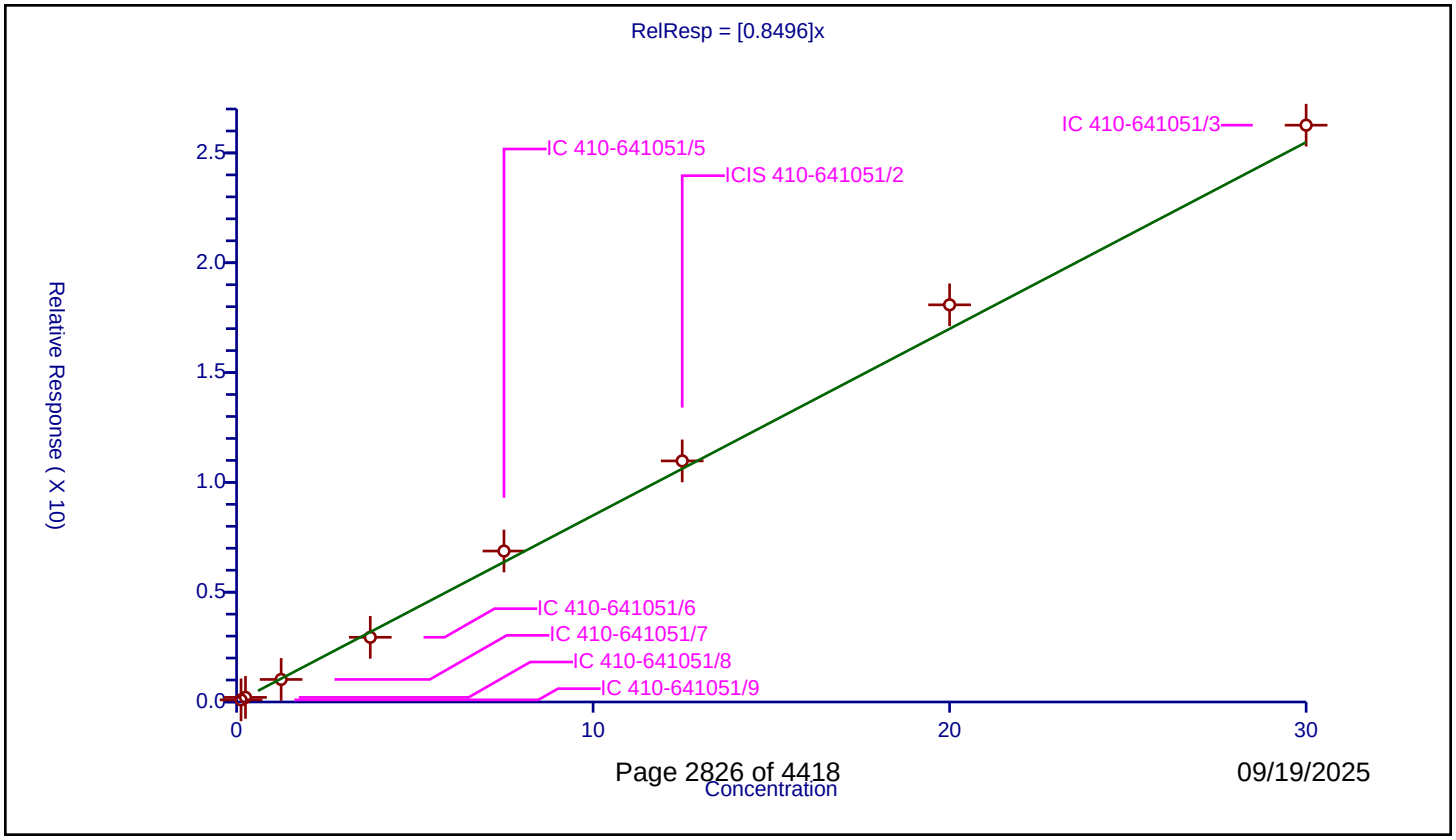
Curve Coefficients

Intercept:	0
Slope:	0.8496

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.097435	5.0	703955.0	0.779482	Y
2	IC 410-641051/8	0.25	0.209039	5.0	746749.0	0.836158	Y
3	IC 410-641051/7	1.25	1.026481	5.0	761232.0	0.821185	Y
4	IC 410-641051/6	3.75	2.946228	5.0	814981.0	0.785661	Y
5	IC 410-641051/5	7.5	6.872493	5.0	718924.0	0.916332	Y
6	ICIS 410-641051/2	12.5	10.976854	5.0	867161.0	0.878148	Y
7	IC 410-641051/4	20.0	18.083652	5.0	767251.0	0.904183	Y
8	IC 410-641051/3	30.0	26.264642	5.0	780877.0	0.875488	Y



Calibration / Dibenz[a,j]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

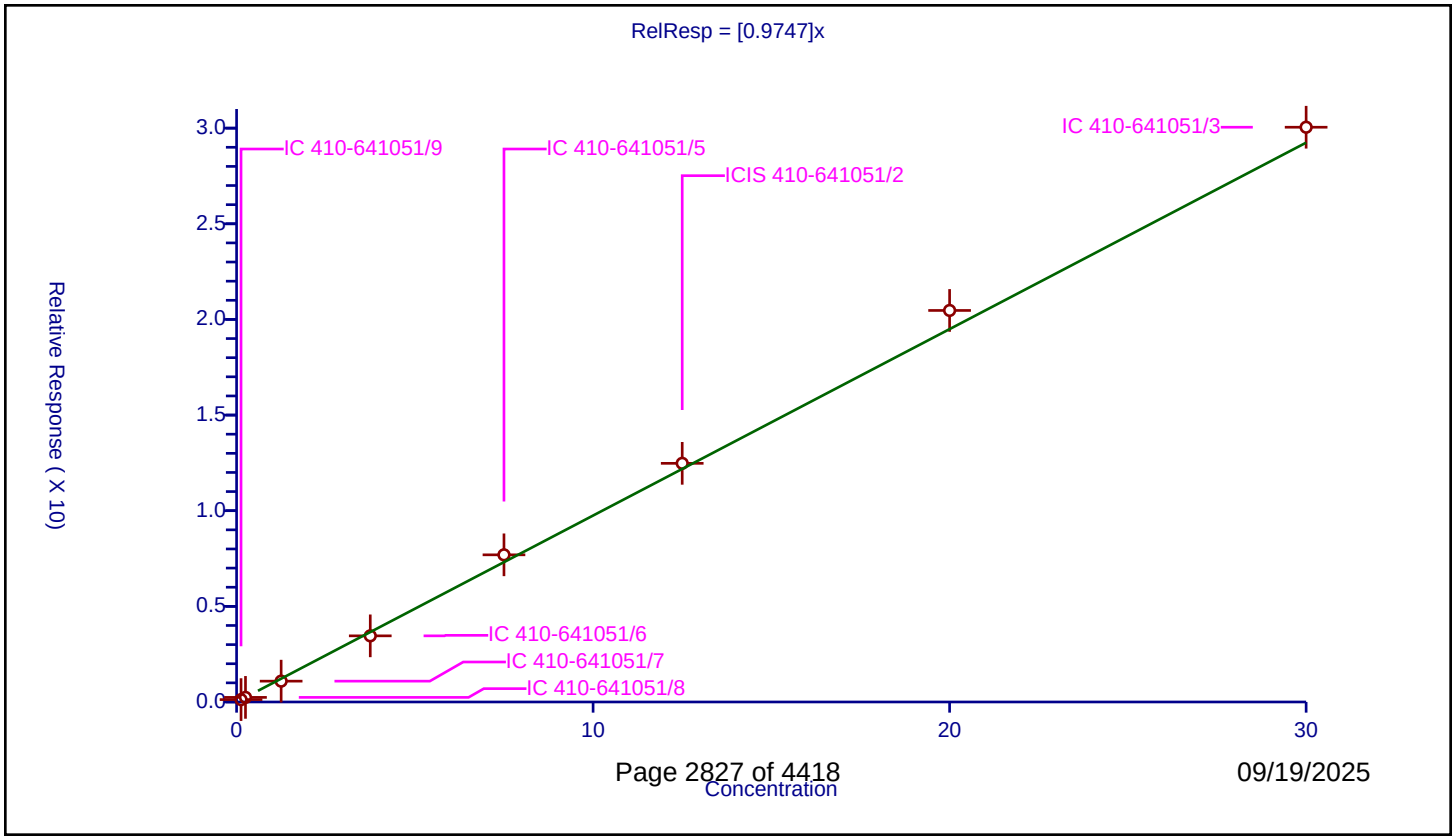
Curve Coefficients

Intercept:	0
Slope:	0.9747

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.124127	5.0	703955.0	0.993018	Y
2	IC 410-641051/8	0.25	0.240382	5.0	746749.0	0.961528	Y
3	IC 410-641051/7	1.25	1.089931	5.0	761232.0	0.871944	Y
4	IC 410-641051/6	3.75	3.457798	5.0	814981.0	0.92208	Y
5	IC 410-641051/5	7.5	7.692726	5.0	718924.0	1.025697	Y
6	ICIS 410-641051/2	12.5	12.477077	5.0	867161.0	0.998166	Y
7	IC 410-641051/4	20.0	20.469436	5.0	767251.0	1.023472	Y
8	IC 410-641051/3	30.0	30.048362	5.0	780877.0	1.001612	Y



Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

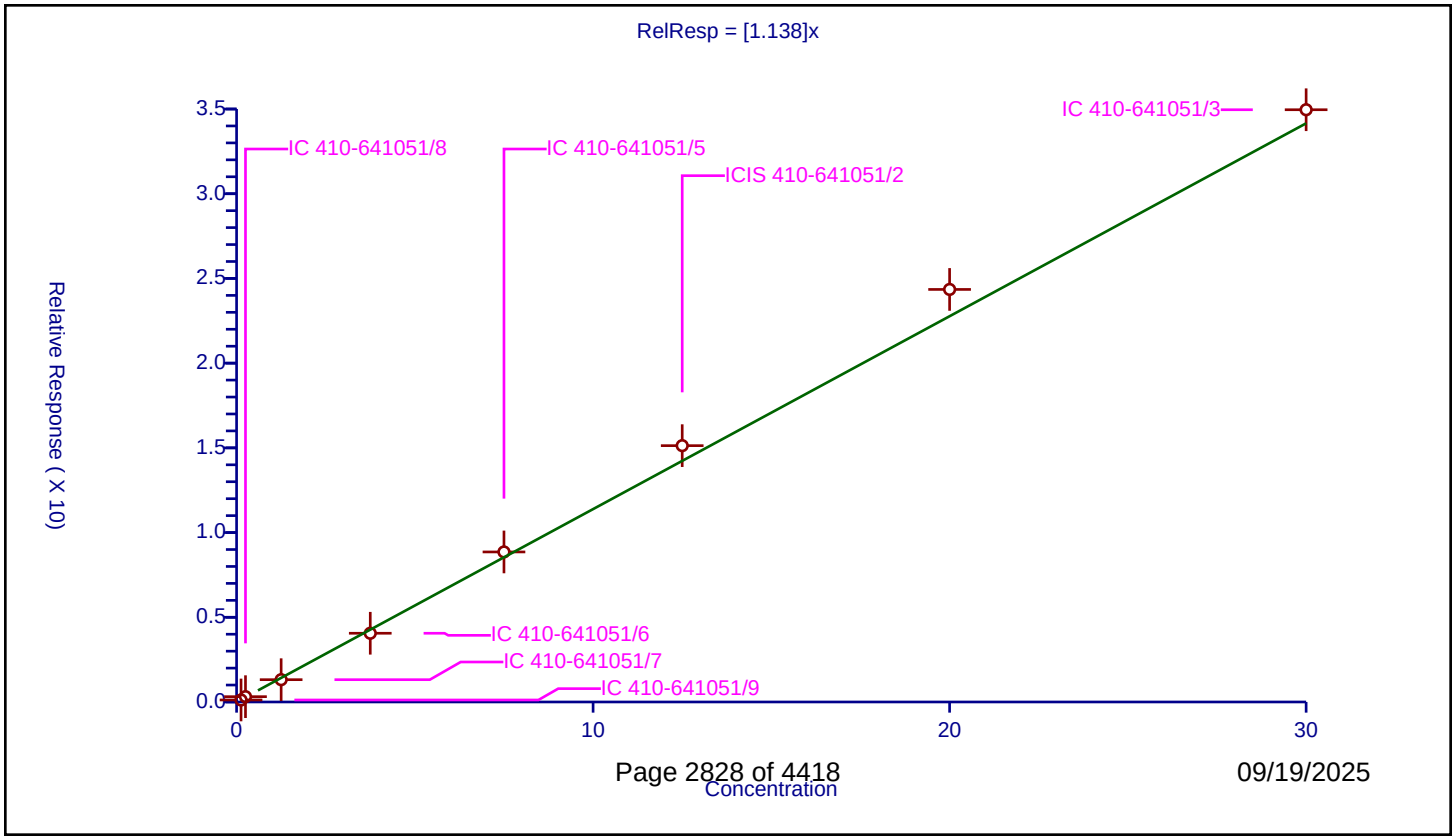
Curve Coefficients

Intercept:	0
Slope:	1.138

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.118118	5.0	703955.0	0.944947	Y
2	IC 410-641051/8	0.25	0.313512	5.0	746749.0	1.254049	Y
3	IC 410-641051/7	1.25	1.316366	5.0	761232.0	1.053093	Y
4	IC 410-641051/6	3.75	4.056328	5.0	814981.0	1.081687	Y
5	IC 410-641051/5	7.5	8.856513	5.0	718924.0	1.180868	Y
6	ICIS 410-641051/2	12.5	15.129607	5.0	867161.0	1.210369	Y
7	IC 410-641051/4	20.0	24.350363	5.0	767251.0	1.217518	Y
8	IC 410-641051/3	30.0	34.957625	5.0	780877.0	1.165254	Y



09/19/2025

Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

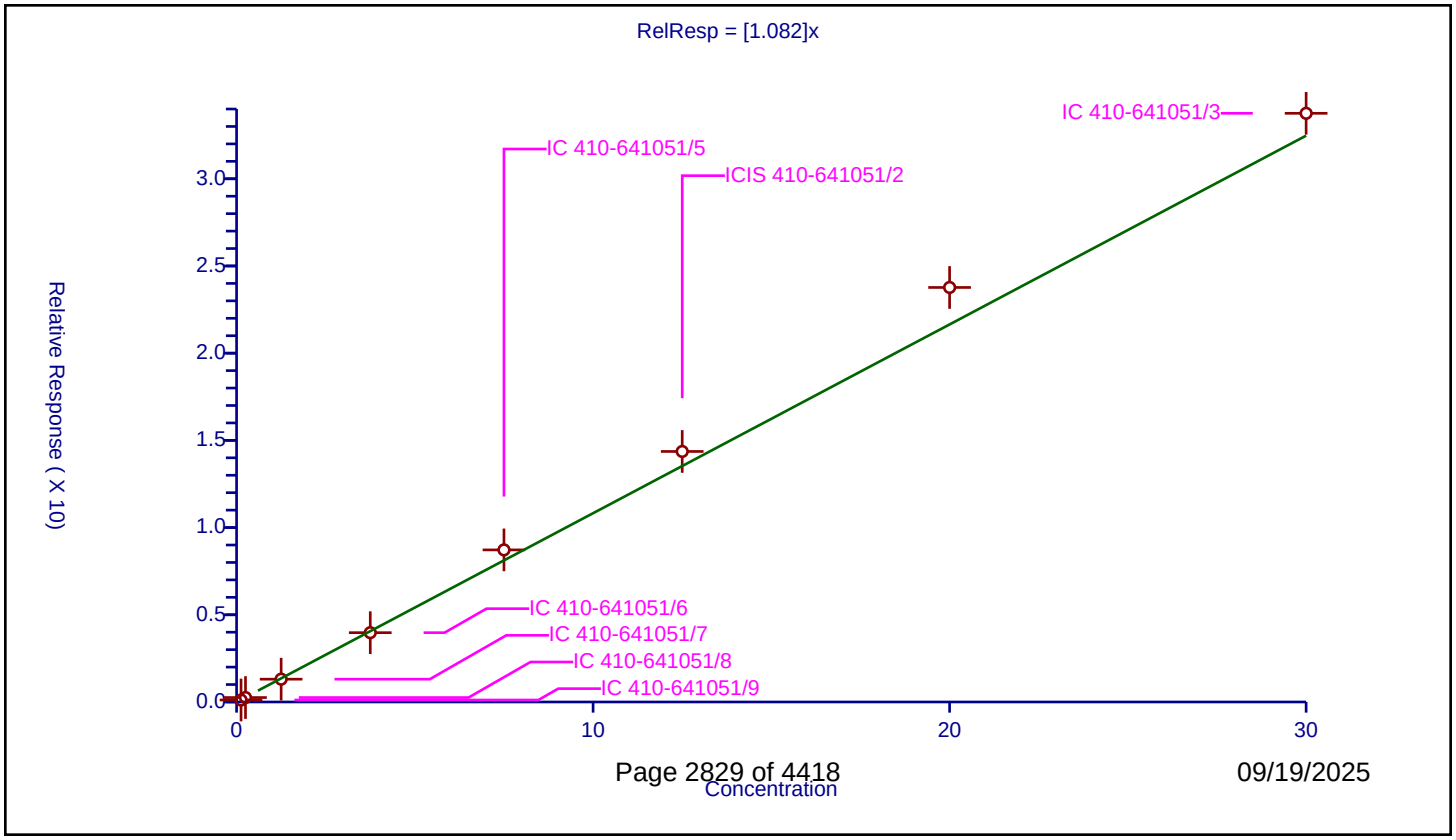
Curve Coefficients

Intercept:	0
Slope:	1.082

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.113914	5.0	703955.0	0.911308	Y
2	IC 410-641051/8	0.25	0.254242	5.0	746749.0	1.016968	Y
3	IC 410-641051/7	1.25	1.307519	5.0	761232.0	1.046015	Y
4	IC 410-641051/6	3.75	3.974074	5.0	814981.0	1.059753	Y
5	IC 410-641051/5	7.5	8.721068	5.0	718924.0	1.162809	Y
6	ICIS 410-641051/2	12.5	14.364345	5.0	867161.0	1.149148	Y
7	IC 410-641051/4	20.0	23.767242	5.0	767251.0	1.188362	Y
8	IC 410-641051/3	30.0	33.753446	5.0	780877.0	1.125115	Y



09/19/2025

Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

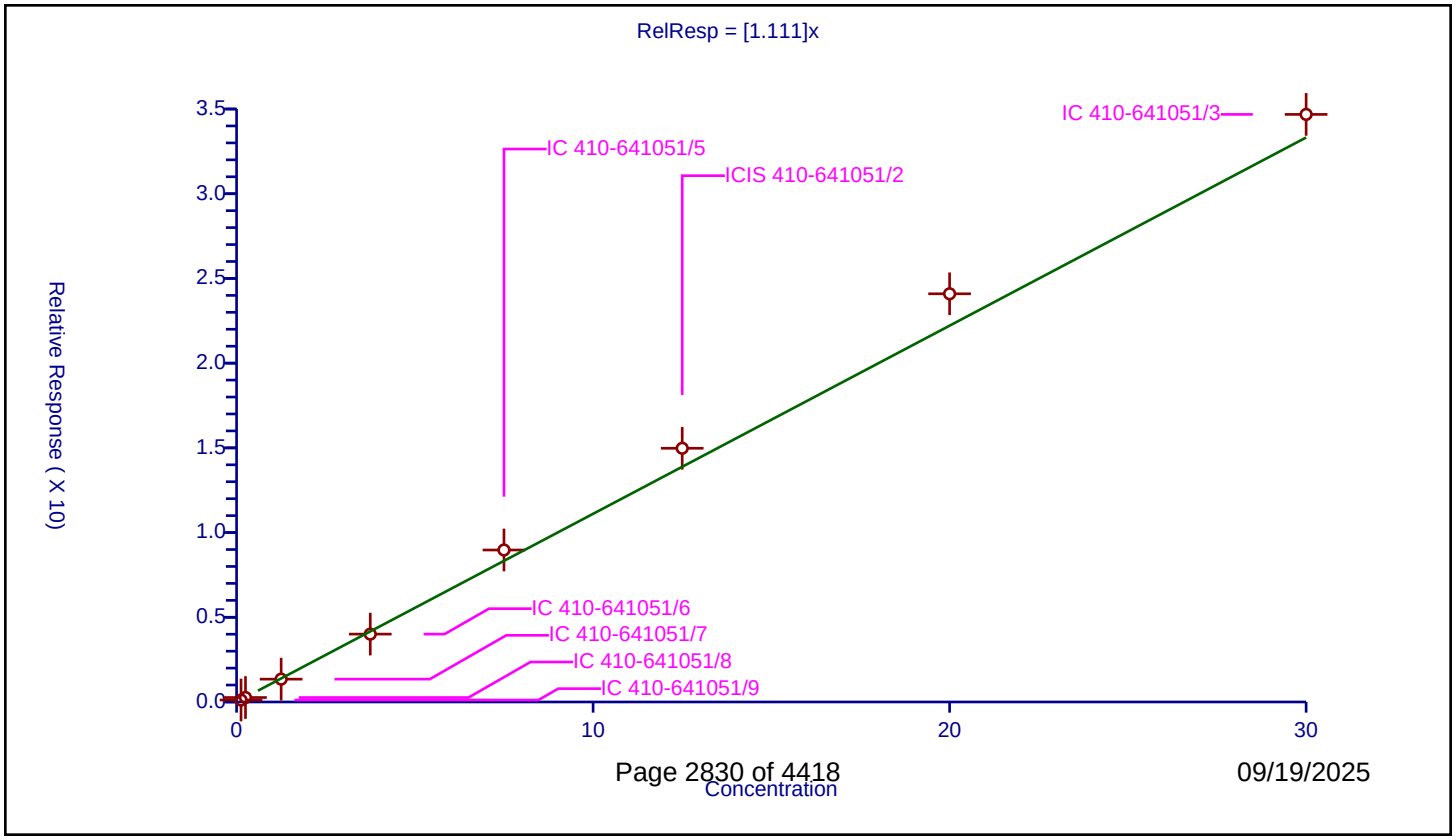
Curve Coefficients

Intercept:	0
Slope:	1.111

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.115902	5.0	703955.0	0.927218	Y
2	IC 410-641051/8	0.25	0.263897	5.0	746749.0	1.055589	Y
3	IC 410-641051/7	1.25	1.34859	5.0	761232.0	1.078872	Y
4	IC 410-641051/6	3.75	4.006118	5.0	814981.0	1.068298	Y
5	IC 410-641051/5	7.5	8.9709	5.0	718924.0	1.19612	Y
6	ICIS 410-641051/2	12.5	14.975529	5.0	867161.0	1.198042	Y
7	IC 410-641051/4	20.0	24.094371	5.0	767251.0	1.204719	Y
8	IC 410-641051/3	30.0	34.681576	5.0	780877.0	1.156053	Y



09/19/2025

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652434

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/03/2025 22:26 Calibration End Date: 06/04/2025 00:13 Calibration ID: 73305

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652434/10	JF0359.D
Level 2	IC 410-652434/9	JF0358.D
Level 3	IC 410-652434/8	JF0357.D
Level 4	IC 410-652434/7	JF0356.D
Level 5	IC 410-652434/6	JF0355.D
Level 6	IC 410-652434/5	JF0354.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methapyrilene	0.5552 0.3872	0.5060	0.4970	0.4788	0.4404	Ave		0.4774				12.1		20.0			
Famphur	0.4755 +++++	0.4446	0.4726	0.4079	0.3396	Ave		0.4281				13.2		20.0			
Kepone	0.1273 0.1033	0.1217	0.1326	0.1251	0.1190	Ave		0.1215				8.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 652434

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/03/2025 22:26 Calibration End Date: 06/04/2025 00:13 Calibration ID: 73305

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652434/10	JF0359.D
Level 2	IC 410-652434/9	JF0358.D
Level 3	IC 410-652434/8	JF0357.D
Level 4	IC 410-652434/7	JF0356.D
Level 5	IC 410-652434/6	JF0355.D
Level 6	IC 410-652434/5	JF0354.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Methapyrilene	PHN	Ave	96292 1088707	117756	292075	496006	750578	1.25 30.0	3.75	7.50	12.5	20.0
Famphur	PYR10	Ave	86937 +++++	112124	289999	463368	616887	1.25 +++++	3.75	7.50	12.5	20.0
Kepone	PYR10	Ave	231107 1003211	203191	430893	677533	858692	12.4 99.3	24.8	39.7	59.6	79.4

Curve Type Legend:
Ave = Average ISTD

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\JF0354.D
Lims ID: IC L8 ABC
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 03-Jun-2025 22:26:30 ALS Bottle#: 4 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8 ABC
Misc. Info.: 410-0149183-005
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub21

Method: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 05-Jun-2025 07:25:47 Calib Date: 04-Jun-2025 00:56:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\JF0361.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: N5QU Date: 03-Jun-2025 23:00:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	4.236	4.236	0.000	97	103028	5.00	5.00	
* 52 Naphthalene-d8	136	5.463	5.463	0.000	99	379192	5.00	5.00	
* 96 Acenaphthene-d10	164	7.138	7.138	0.000	94	222810	5.00	5.00	
* 131 Phenanthrene-d10	188	8.551	8.551	0.000	98	468674	5.00	5.00	
141 Methapyrilene	97	9.404	9.404	0.000	98	1088707	30.0	24.3	a
* 146 Pyrene-d10 (IS)	212	9.900	9.900	0.000	97	489112	5.00	5.00	
151 Famphur	218	10.531	10.531	0.000	87	749005	30.0	17.9	
154 Kepone	272	10.589	10.589	0.000	95	1003211	99.3	84.4	
* 167 Perylene-d12	264	13.048	13.048	0.000	98	441794	5.00	5.00	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

MSS_RVABC_8_00016 Amount Added: 1.00 Units: mL

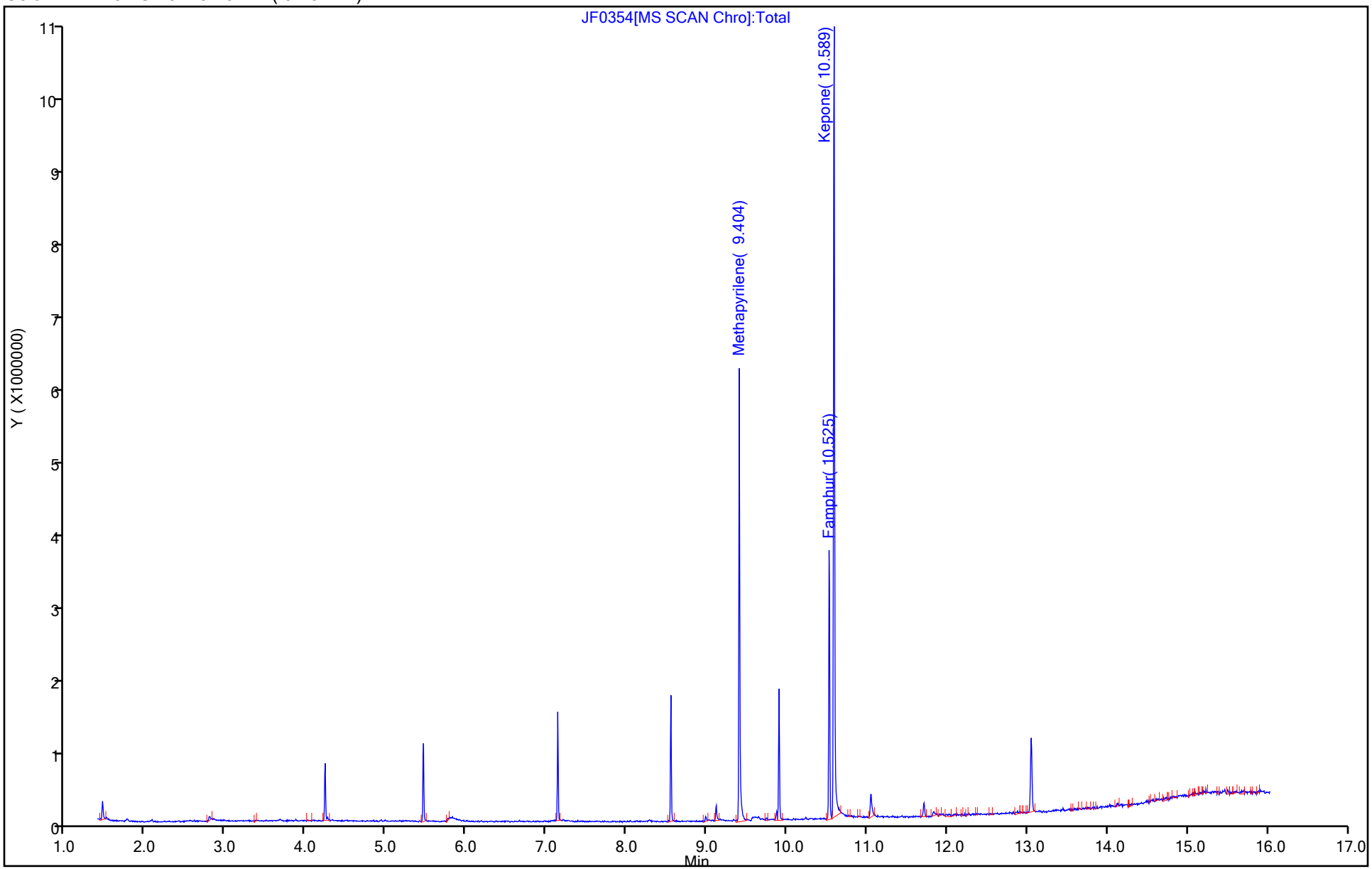
Report Date: 05-Jun-2025 07:25:47 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\JF0354.D

Injection Date:	03-Jun-2025 22:26:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L8 ABC			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

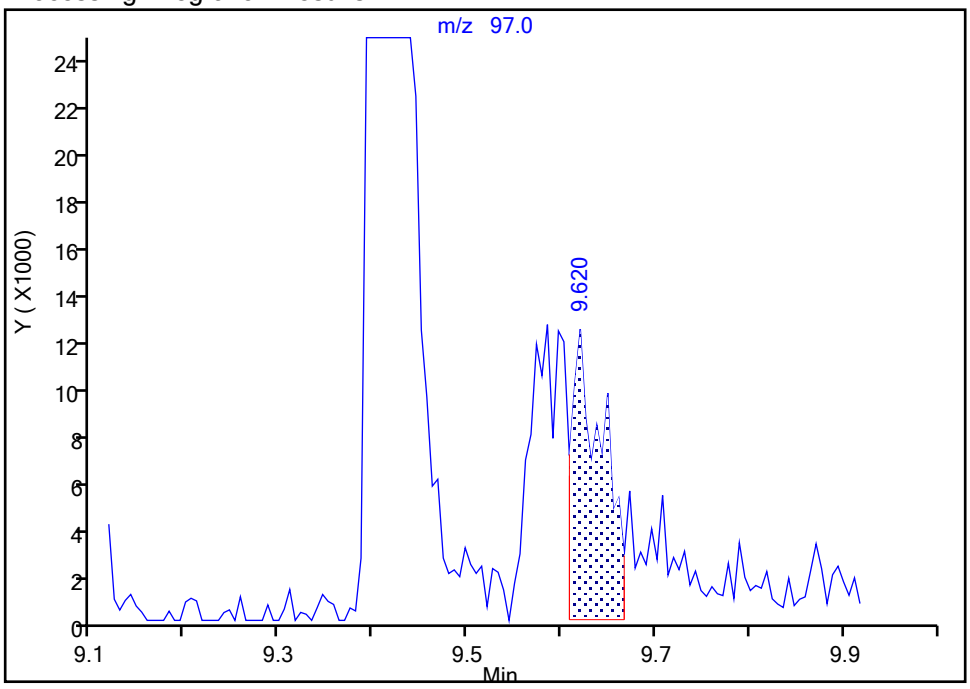
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\JF0354.D				
Injection Date:	03-Jun-2025 22:26:30	Instrument ID:	HP23264		
Lims ID:	IC L8 ABC				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	4	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

141 Methapyrilene, CAS: 91-80-5

Signal: 1

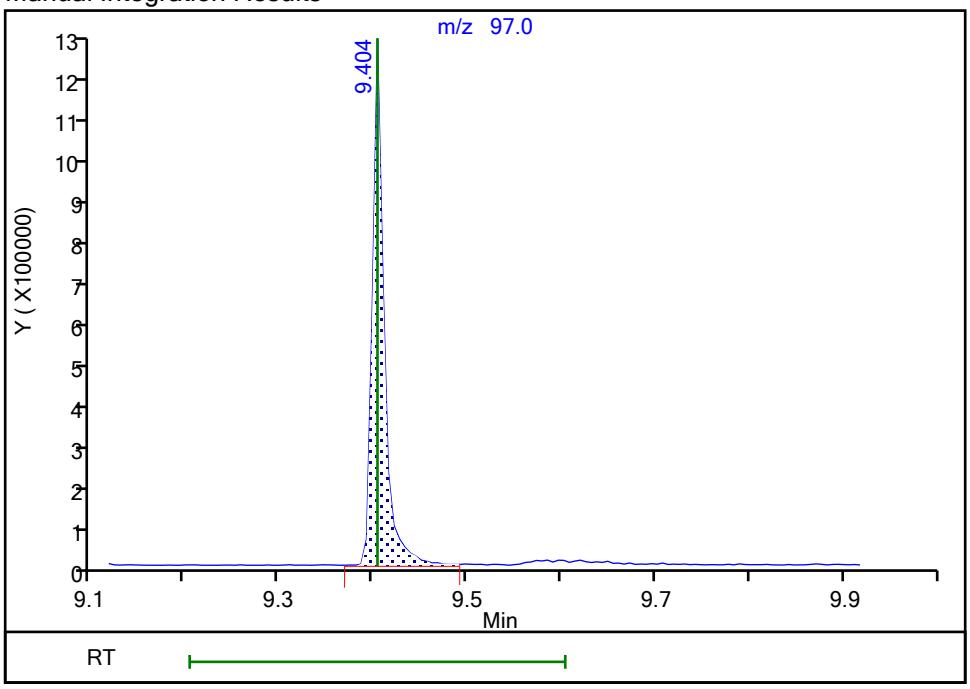
Processing Integration Results

RT: 9.62
Area: 26573
Amount: 30.000000
Amount Units: ug/ml



Manual Integration Results

RT: 9.40
Area: 1088707
Amount: 24.328933
Amount Units: ug/ml



Reviewer: N5QU, 03-Jun-2025 23:00:01 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\JF0355.D
Lims ID: IC L7 ABC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 03-Jun-2025 22:48:30 ALS Bottle#: 5 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7 ABC
Misc. Info.: 410-0149183-006
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub21

Method: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 05-Jun-2025 07:25:49 Calib Date: 04-Jun-2025 00:56:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\JF0361.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: SJ89 Date: 05-Jun-2025 07:20:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	4.231	4.236	-0.005	94	93721	5.00	5.00	
* 52 Naphthalene-d8	136	5.457	5.463	-0.006	99	367407	5.00	5.00	
* 96 Acenaphthene-d10	164	7.138	7.138	0.000	95	210509	5.00	5.00	
* 131 Phenanthrene-d10	188	8.546	8.551	-0.005	98	426073	5.00	5.00	
141 Methapyrilene	97	9.398	9.404	-0.006	98	750578	20.0	18.4	
* 146 Pyrene-d10 (IS)	212	9.900	9.900	0.000	98	454164	5.00	5.00	
151 Famphur	218	10.525	10.531	-0.006	87	616887	20.0	15.9	
154 Kepone	272	10.583	10.589	-0.006	95	858692	79.4	77.8	
* 167 Perylene-d12	264	13.042	13.048	-0.006	97	405629	5.00	5.00	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVABC_7_00015 Amount Added: 1.00 Units: mL

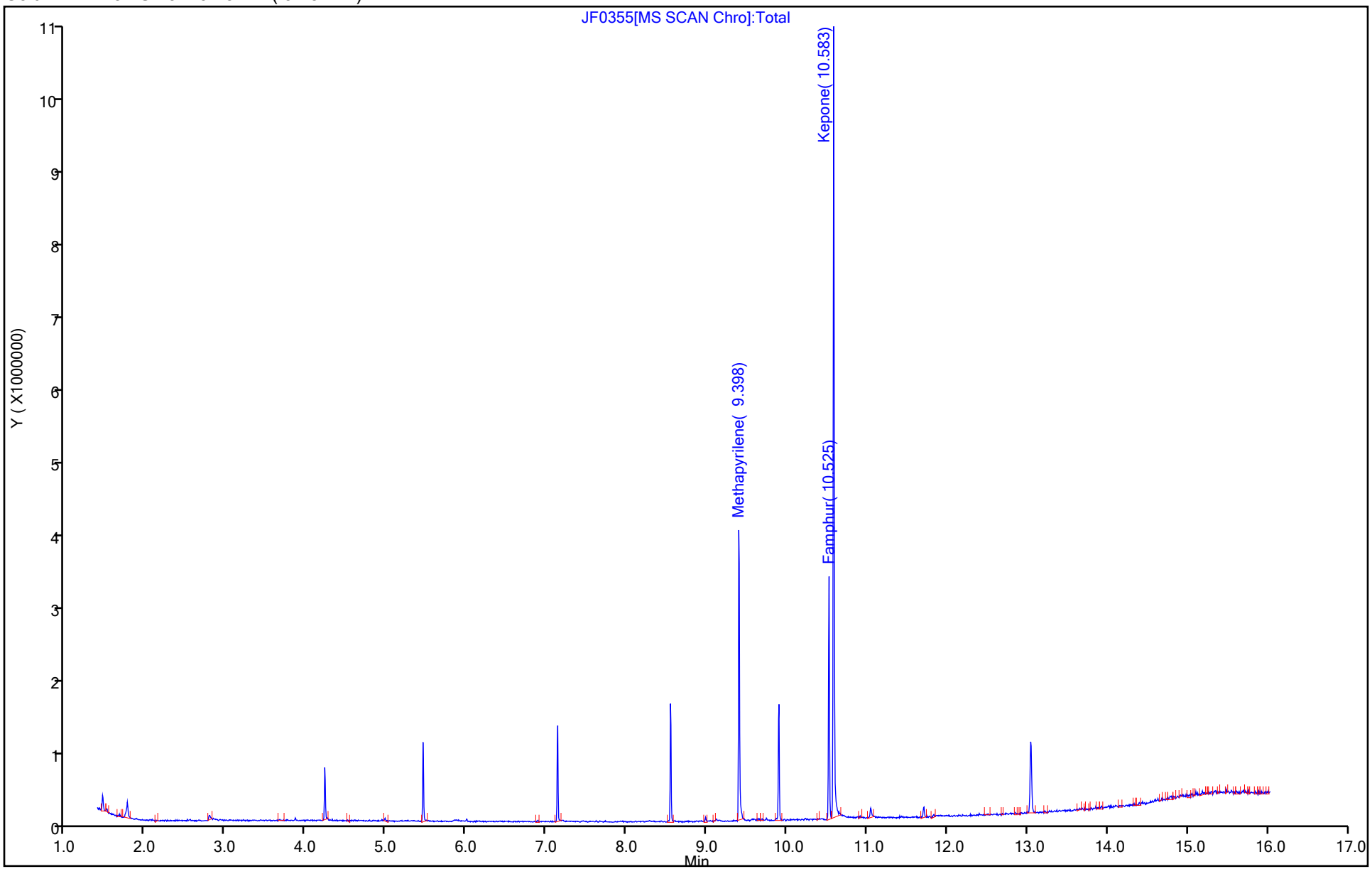
Report Date: 05-Jun-2025 07:25:49 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\JF0355.D

Injection Date:	03-Jun-2025 22:48:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L7 ABC			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\JF0356.D
Lims ID: IC L6 ABC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 03-Jun-2025 23:09:30 ALS Bottle#: 6 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L6 ABC
Misc. Info.: 410-0149183-007
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub21

Method: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 05-Jun-2025 07:25:51 Calib Date: 04-Jun-2025 00:56:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\JF0361.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: SJ89 Date: 05-Jun-2025 07:20:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	4.230	4.236	-0.006	98	91549	5.00	5.00	
* 52 Naphthalene-d8	136	5.457	5.463	-0.006	99	347992	5.00	5.00	
* 96 Acenaphthene-d10	164	7.138	7.138	0.000	95	202018	5.00	5.00	
* 131 Phenanthrene-d10	188	8.545	8.551	-0.006	97	414406	5.00	5.00	
141 Methapyrilene	97	9.398	9.404	-0.006	98	496006	12.5	12.5	
* 146 Pyrene-d10 (IS)	212	9.900	9.900	0.000	98	454382	5.00	5.00	
151 Famphur	218	10.525	10.531	-0.006	87	463368	12.5	11.9	
154 Kepone	272	10.583	10.589	-0.006	95	677533	59.6	61.4	
* 167 Perylene-d12	264	13.042	13.048	-0.006	97	416087	5.00	5.00	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVABC_6_00023 Amount Added: 1.00 Units: mL

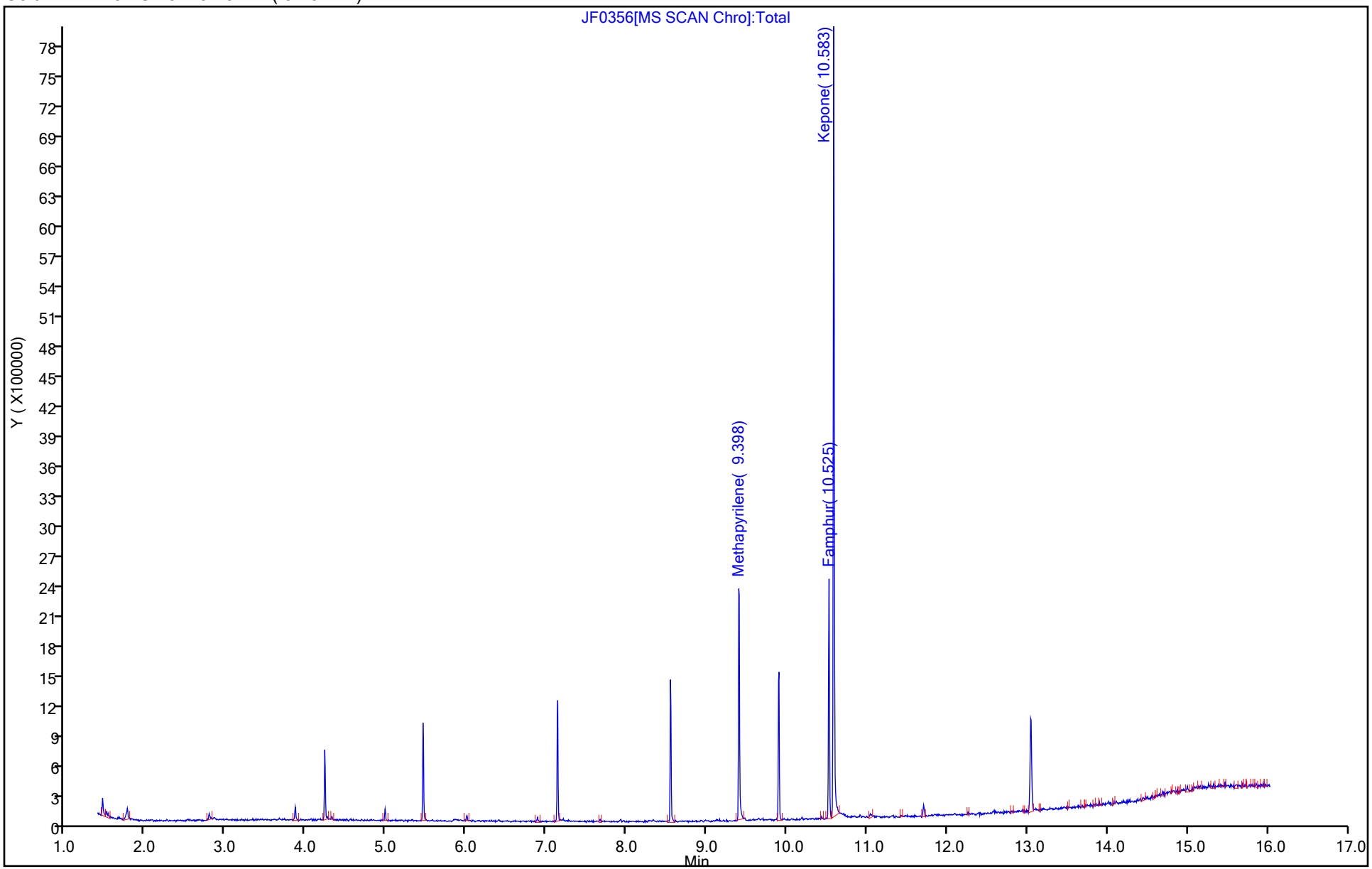
Report Date: 05-Jun-2025 07:25:51 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\JF0356.D

Injection Date:	03-Jun-2025 23:09:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L6 ABC			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\JF0357.D
Lims ID: IC L5 ABC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 03-Jun-2025 23:30:30 ALS Bottle#: 7 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5 ABC
Misc. Info.: 410-0149183-008
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub21

Method: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 05-Jun-2025 07:25:53 Calib Date: 04-Jun-2025 00:56:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\JF0361.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: SJ89 Date: 05-Jun-2025 07:21:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	4.231	4.231	0.000	98	75706	5.00	5.00	
* 52 Naphthalene-d8	136	5.457	5.457	0.000	99	294353	5.00	5.00	
* 96 Acenaphthene-d10	164	7.138	7.138	0.000	96	177976	5.00	5.00	
* 131 Phenanthrene-d10	188	8.546	8.546	0.000	98	391814	5.00	5.00	
141 Methapyrilene	97	9.398	9.398	0.000	98	292075	7.50	7.81	
* 146 Pyrene-d10 (IS)	212	9.900	9.900	0.000	98	409042	5.00	5.00	
151 Famphur	218	10.525	10.525	0.000	87	289999	7.50	8.28	
154 Kepone	272	10.583	10.583	0.000	95	430893	39.7	43.3	
* 167 Perylene-d12	264	13.042	13.042	0.000	99	364548	5.00	5.00	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVABC_5_00014 Amount Added: 1.00 Units: mL

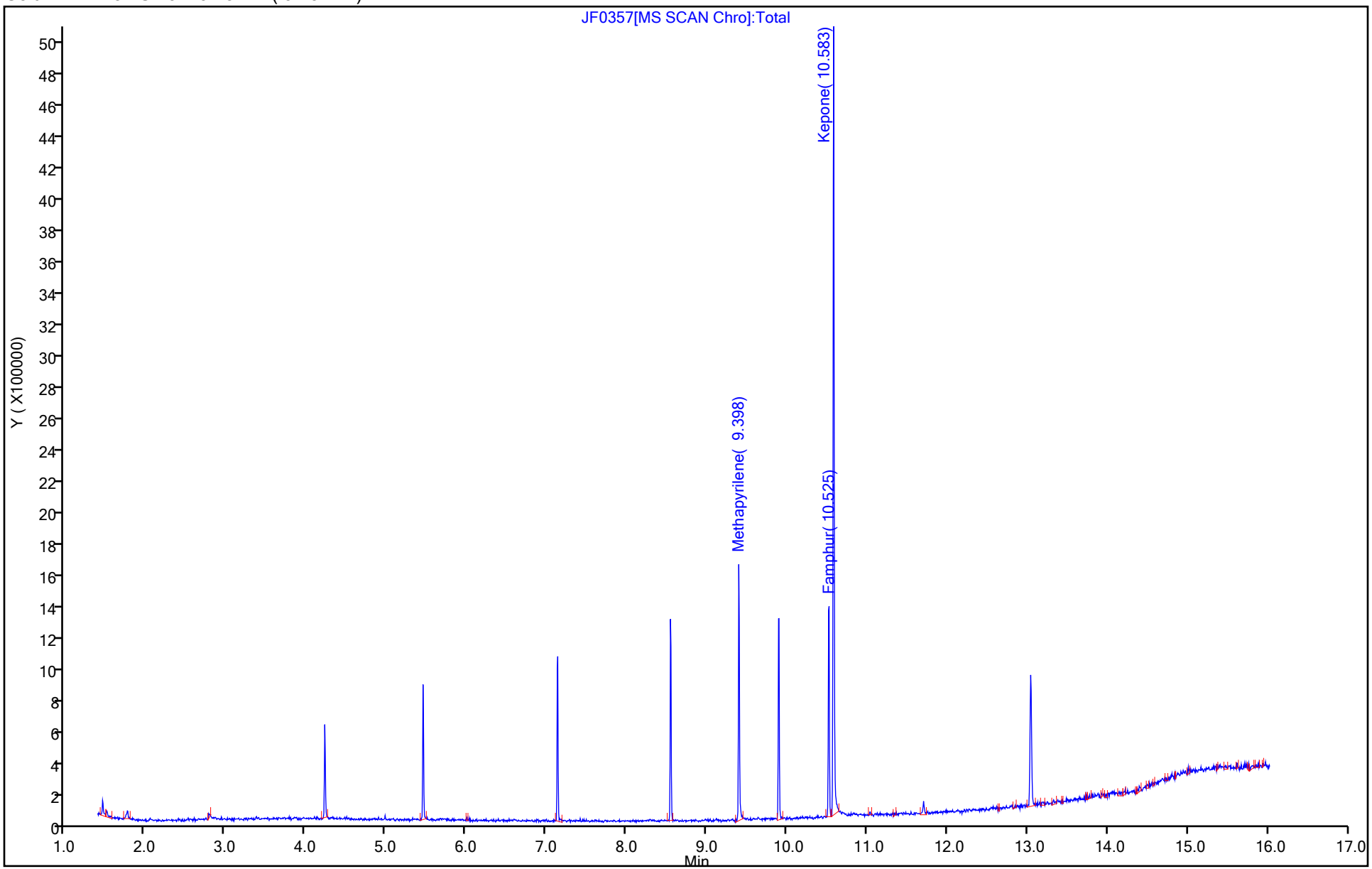
Report Date: 05-Jun-2025 07:25:53 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\JF0357.D

Injection Date:	03-Jun-2025 23:30:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L5 ABC			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\JF0358.D
Lims ID: IC L4 ABC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 03-Jun-2025 23:52:30 ALS Bottle#: 8 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4 ABC
Misc. Info.: 410-0149183-009
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub21

Method: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 05-Jun-2025 07:25:55 Calib Date: 04-Jun-2025 00:56:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\JF0361.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: SJ89 Date: 05-Jun-2025 07:21:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	4.231	4.231	0.000	95	68398	5.00	5.00	
* 52 Naphthalene-d8	136	5.457	5.457	0.000	99	254091	5.00	5.00	
* 96 Acenaphthene-d10	164	7.138	7.138	0.000	95	133094	5.00	5.00	
* 131 Phenanthrene-d10	188	8.546	8.546	0.000	97	310302	5.00	5.00	
141 Methapyrilene	97	9.398	9.398	0.000	97	117756	3.75	3.97	
* 146 Pyrene-d10 (IS)	212	9.900	9.900	0.000	97	336234	5.00	5.00	
151 Famphur	218	10.525	10.525	0.000	89	112124	3.75	3.90	
154 Kepone	272	10.583	10.583	0.000	95	203191	24.8	24.9	a
* 167 Perylene-d12	264	13.047	13.042	0.005	98	313577	5.00	5.00	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

MSS_RVABC_4_00014 Amount Added: 1.00 Units: mL

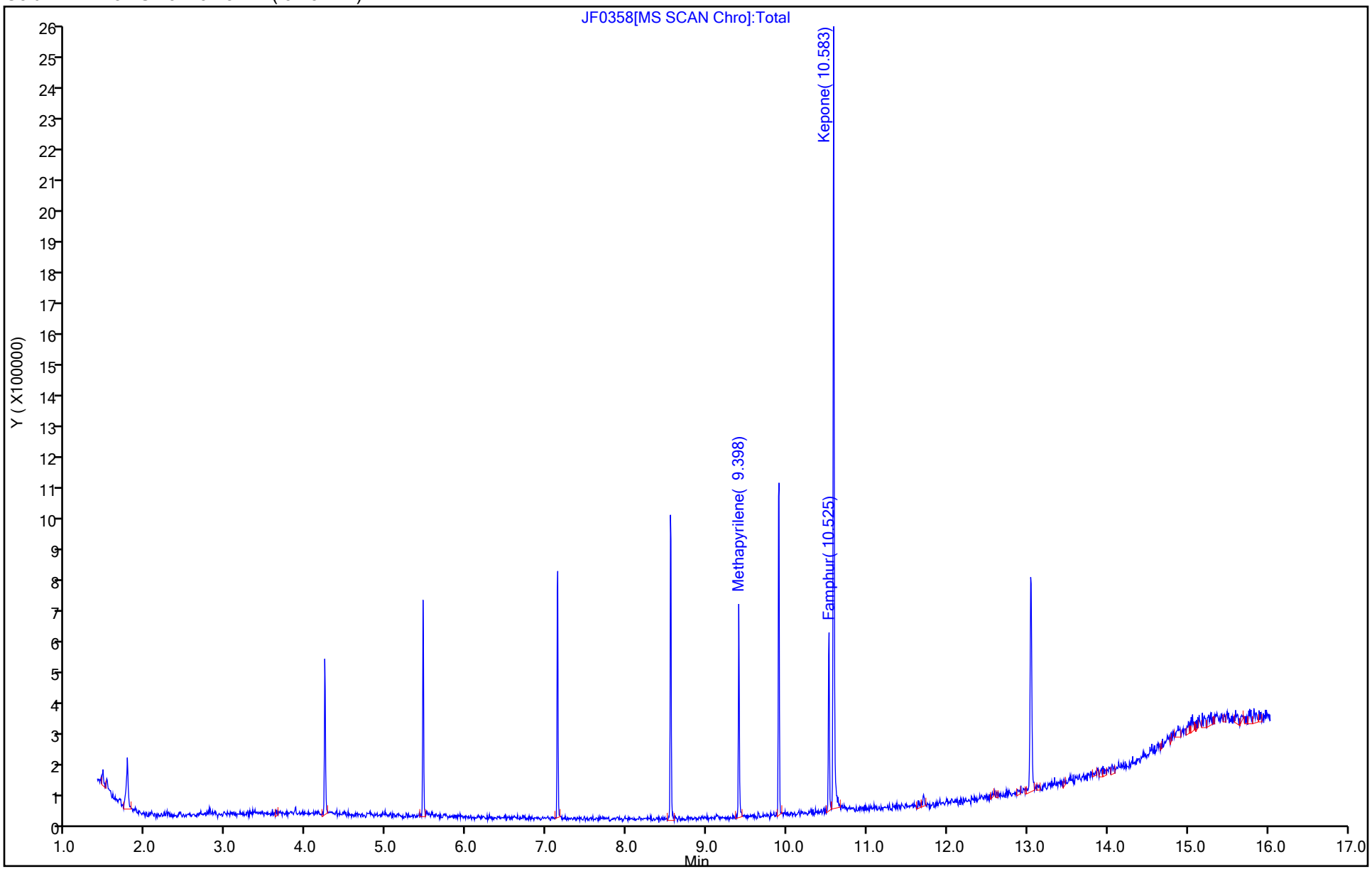
Report Date: 05-Jun-2025 07:25:55 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\JF0358.D

Injection Date:	03-Jun-2025 23:52:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L4 ABC			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

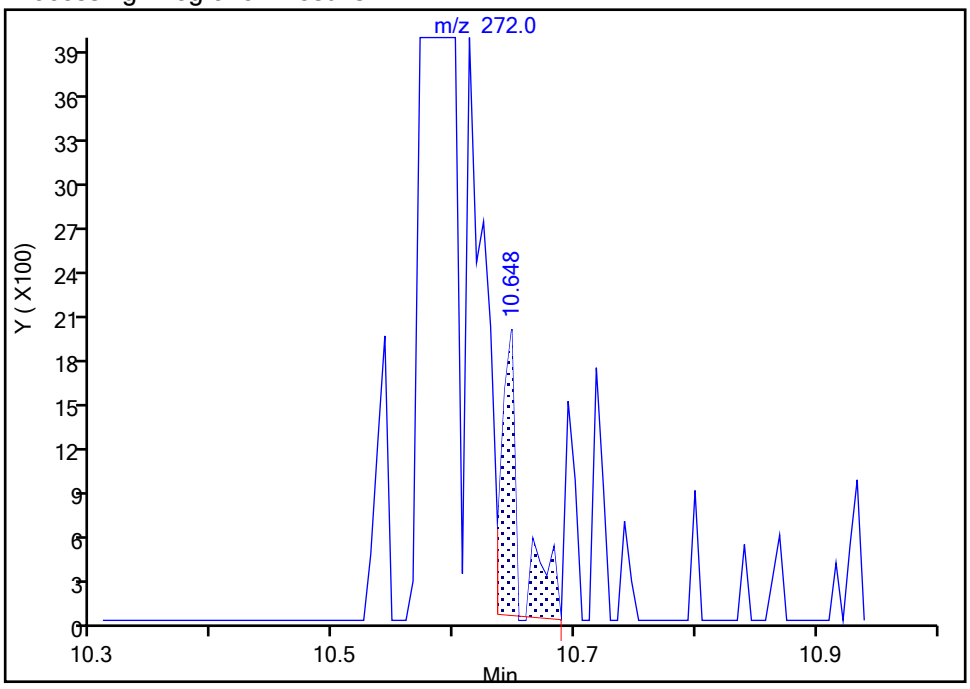
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\JF0358.D				
Injection Date:	03-Jun-2025 23:52:30	Instrument ID:	HP23264		
Lims ID:	IC L4 ABC				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

154 Kepone, CAS: 143-50-0

Signal: 1

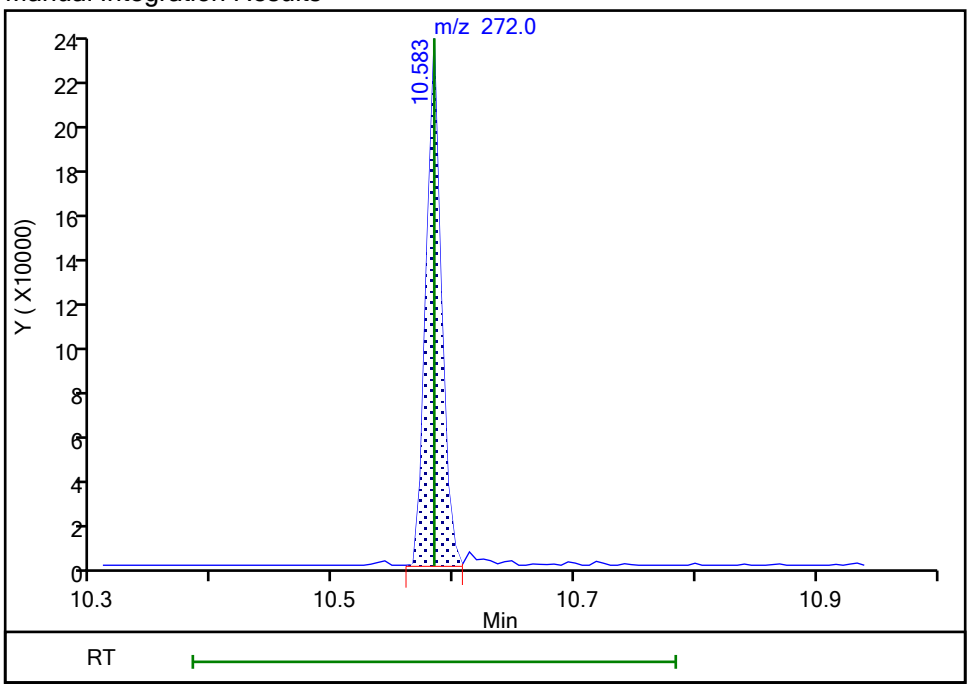
Processing Integration Results

RT: 10.65
Area: 1342
Amount: 0.196898
Amount Units: ug/ml



Manual Integration Results

RT: 10.58
Area: 203191
Amount: 24.867801
Amount Units: ug/ml



Reviewer: SJ89, 05-Jun-2025 07:21:11 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\JF0359.D
Lims ID: IC L3 ABC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-Jun-2025 00:13:30 ALS Bottle#: 9 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3 ABC
Misc. Info.: 410-0149183-010
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub21

Method: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 05-Jun-2025 07:26:08 Calib Date: 04-Jun-2025 00:56:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\JF0361.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: SJ89 Date: 05-Jun-2025 07:26:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	4.230	4.231	-0.001	95	149020	5.00	5.00	
* 52 Naphthalene-d8	136	5.457	5.457	0.000	99	566828	5.00	5.00	
* 96 Acenaphthene-d10	164	7.138	7.138	0.000	96	319971	5.00	5.00	
* 131 Phenanthrene-d10	188	8.545	8.546	-0.001	98	693799	5.00	5.00	
141 Methapyrilene	97	9.398	9.398	0.000	97	96292	1.25	1.45	
* 146 Pyrene-d10 (IS)	212	9.894	9.900	-0.006	99	731317	5.00	5.00	
151 Famphur	218	10.525	10.525	0.000	90	86937	1.25	1.39	
154 Kepone	272	10.583	10.583	0.000	95	231107	12.4	13.0	
* 167 Perylene-d12	264	13.047	13.042	0.005	98	685632	5.00	5.00	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVABC_3_00017 Amount Added: 1.00 Units: mL

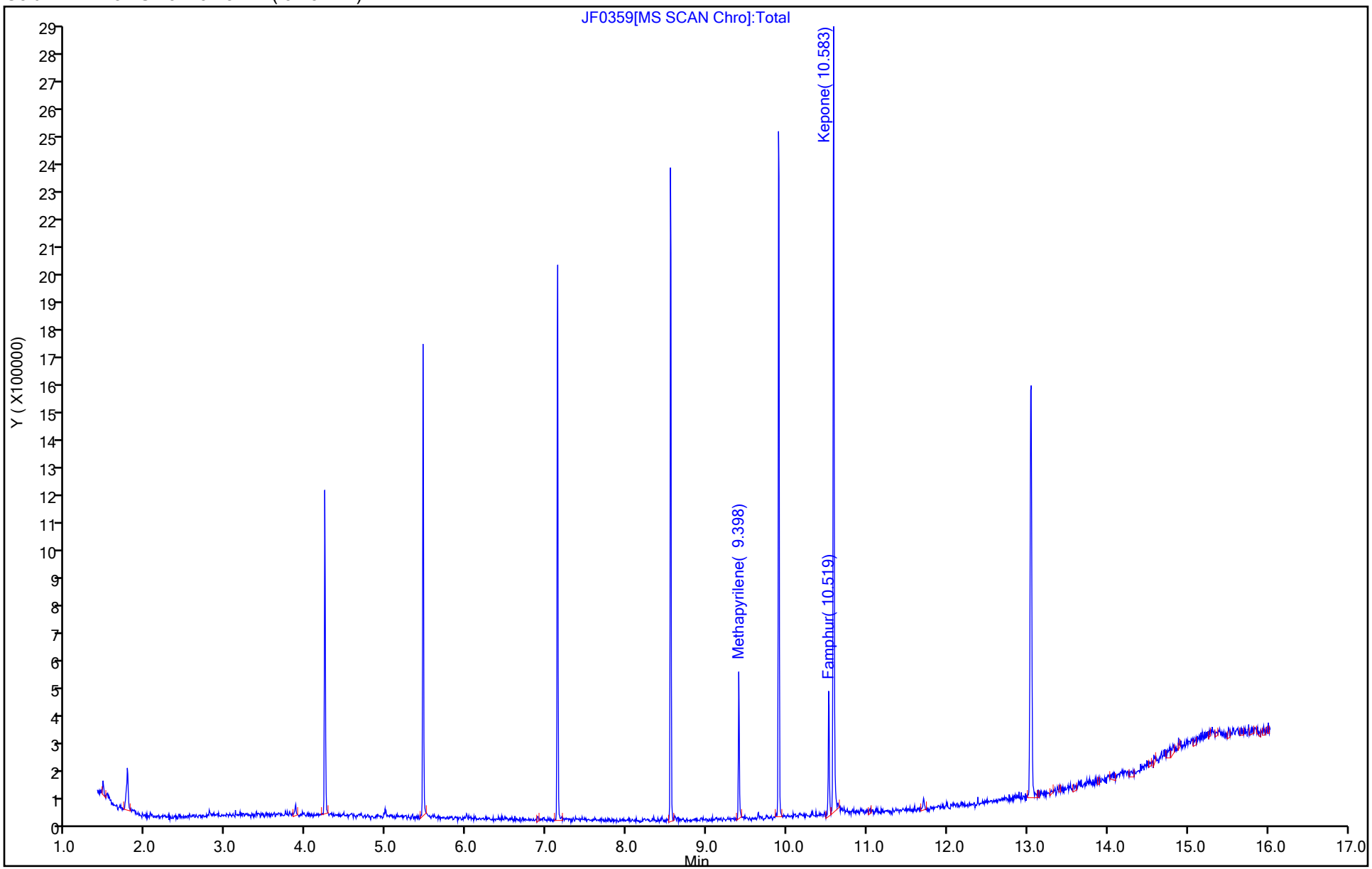
Report Date: 05-Jun-2025 07:26:08 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250603-149183.b\JF0359.D

Injection Date:	04-Jun-2025 00:13:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L3 ABC			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Calibration / Methapyrilene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

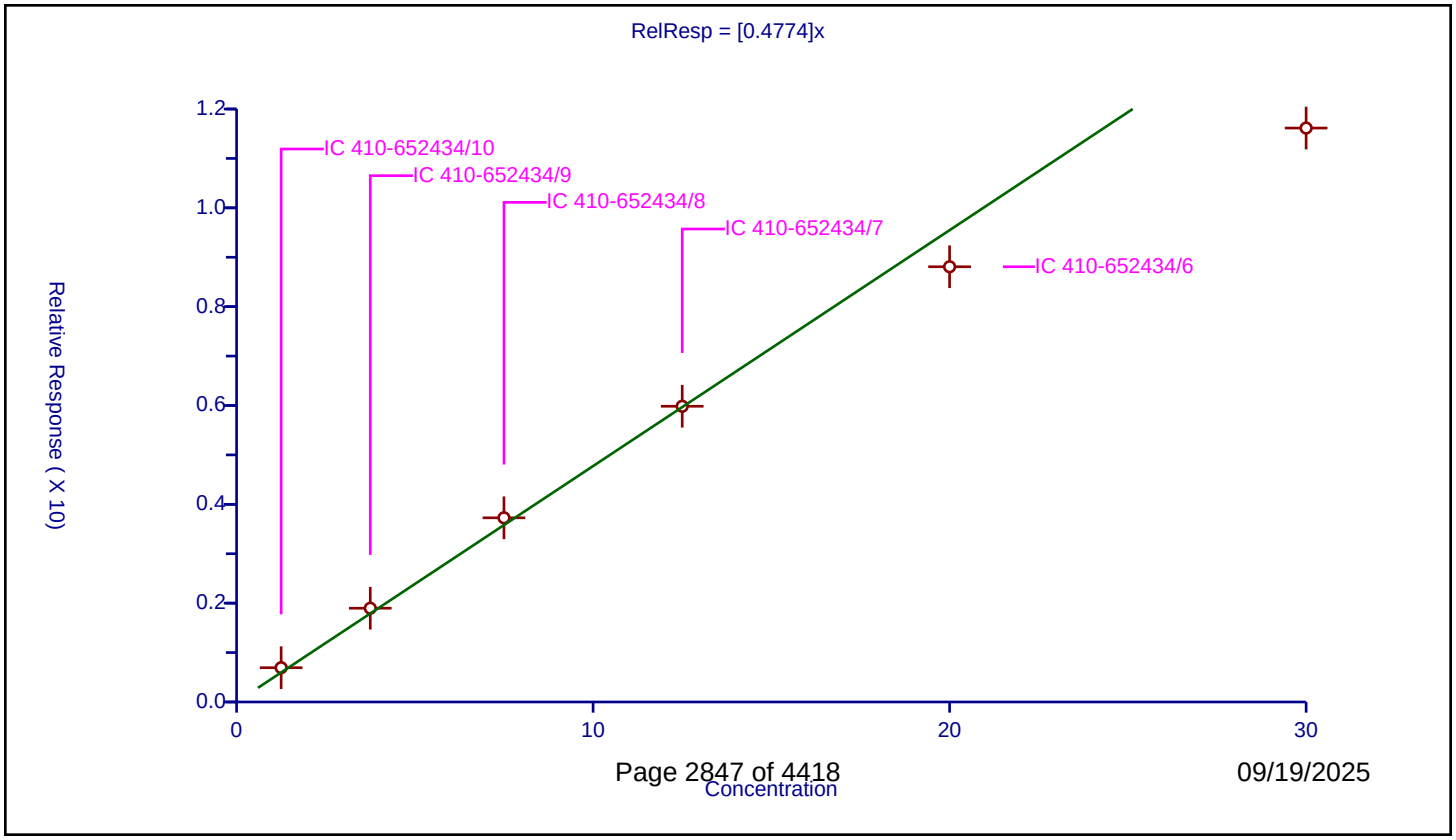
Curve Coefficients

Intercept:	0
Slope:	0.4774

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652434/10	1.25	0.693947	5.0	693799.0	0.555158	Y
2	IC 410-652434/9	3.75	1.897442	5.0	310302.0	0.505984	Y
3	IC 410-652434/8	7.5	3.727215	5.0	391814.0	0.496962	Y
4	IC 410-652434/7	12.5	5.984542	5.0	414406.0	0.478763	Y
5	IC 410-652434/6	20.0	8.808092	5.0	426073.0	0.440405	Y
6	IC 410-652434/5	30.0	11.614758	5.0	468674.0	0.387159	Y



09/19/2025

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

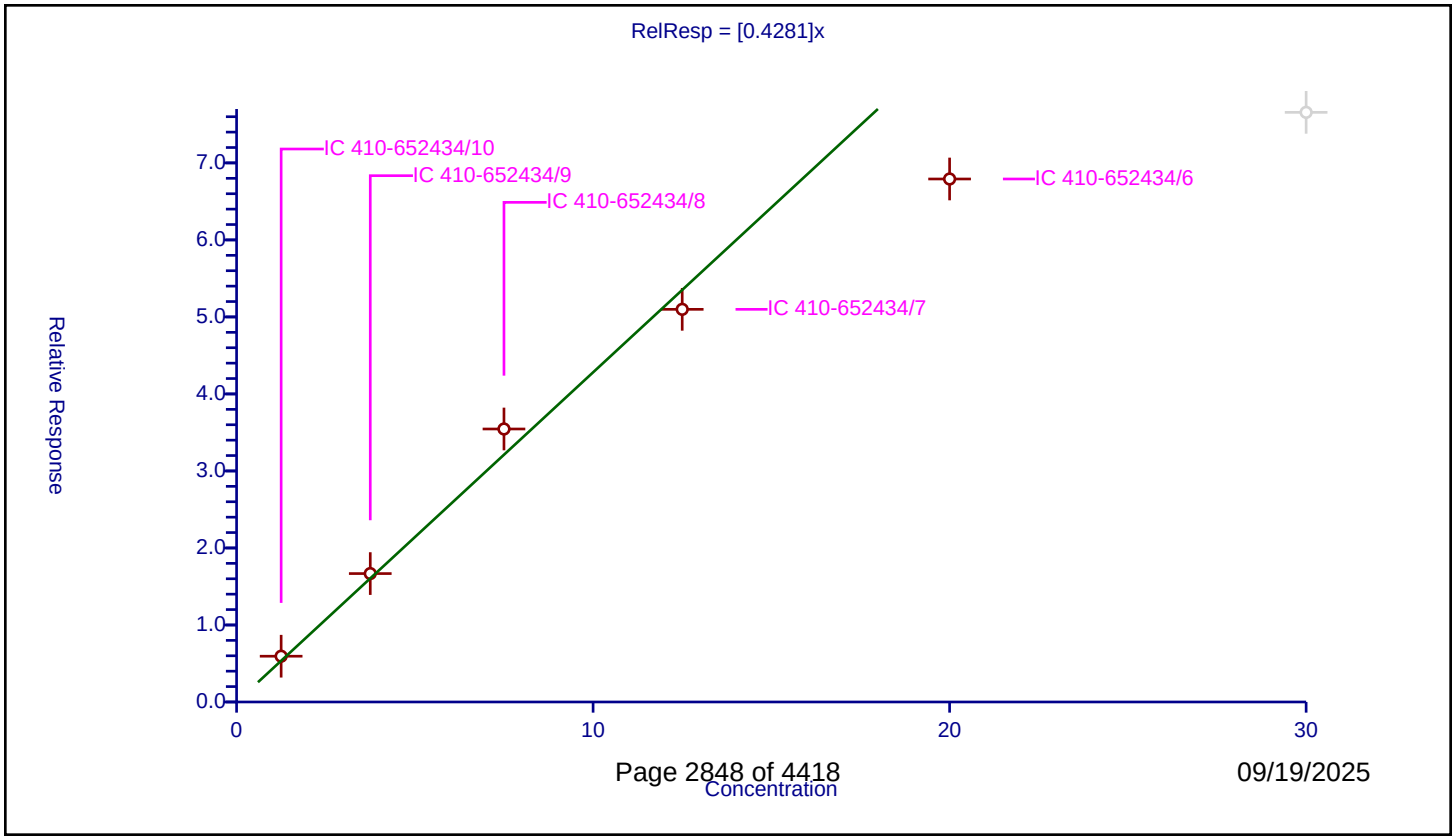
Curve Coefficients

Intercept:	0
Slope:	0.4281

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652434/10	1.25	0.594387	5.0	731317.0	0.475509	Y
2	IC 410-652434/9	3.75	1.667351	5.0	336234.0	0.444627	Y
3	IC 410-652434/8	7.5	3.544856	5.0	409042.0	0.472647	Y
4	IC 410-652434/7	12.5	5.098882	5.0	454382.0	0.407911	Y
5	IC 410-652434/6	20.0	6.791456	5.0	454164.0	0.339573	Y
6	IC 410-652434/5	30.0	7.656784	5.0	489112.0	0.255226	N



Calibration / Kepone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

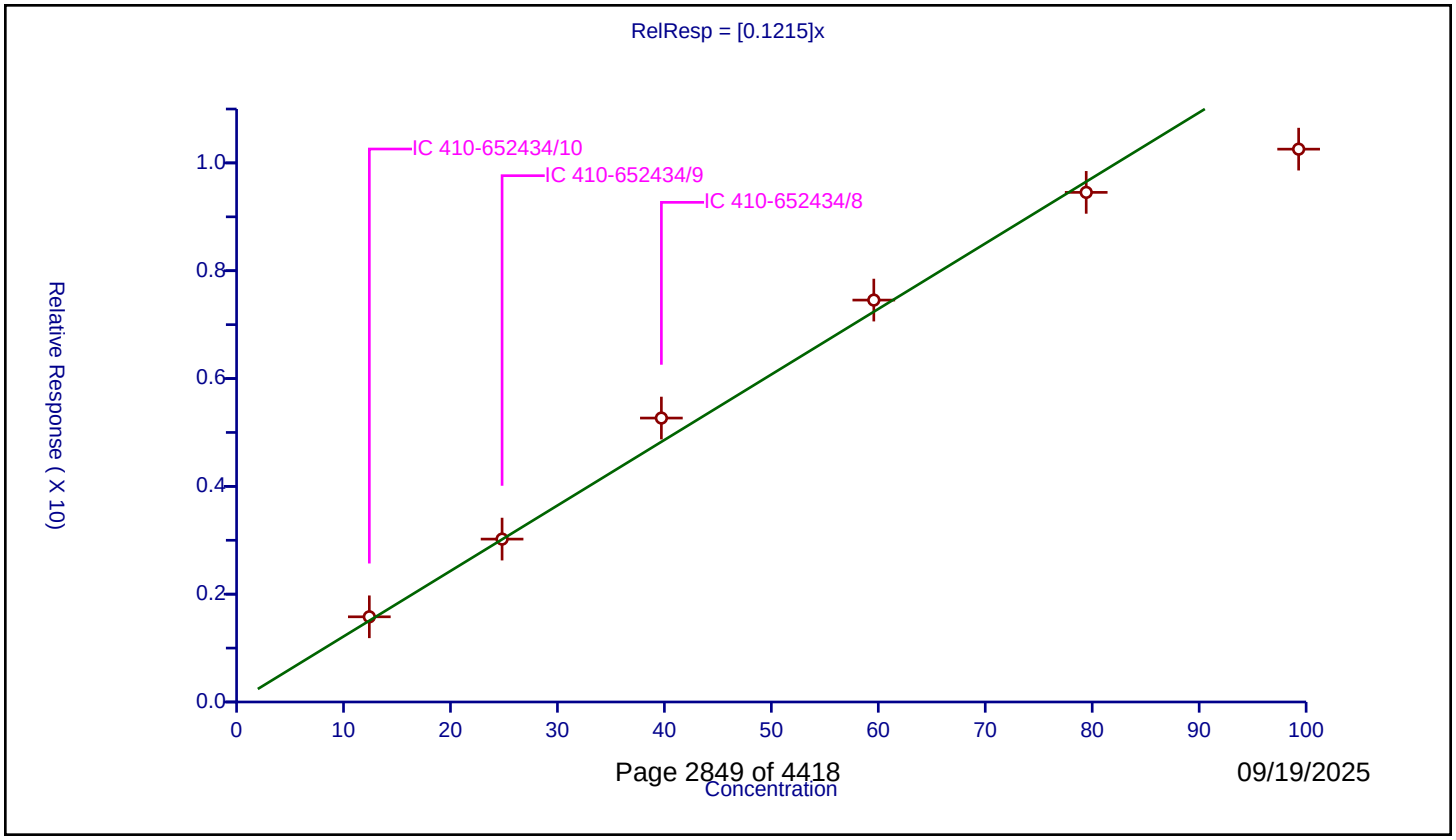
Curve Coefficients

Intercept:	0
Slope:	0.1215

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652434/10	12.4125	1.580074	5.0	731317.0	0.127297	Y
2	IC 410-652434/9	24.825	3.021571	5.0	336234.0	0.121715	Y
3	IC 410-652434/8	39.72	5.2671	5.0	409042.0	0.132606	Y
4	IC 410-652434/7	59.58	7.455544	5.0	454382.0	0.125135	Y
5	IC 410-652434/6	79.44	9.453545	5.0	454164.0	0.119002	Y
6	IC 410-652434/5	99.3	10.255432	5.0	489112.0	0.103277	Y



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-663002/9	JF2558.D
Level 2	IC 410-663002/8	JF2557.D
Level 3	IC 410-663002/7	JF2556.D
Level 4	IC 410-663002/6	JF2555.D
Level 5	IC 410-663002/5	JF2554.D
Level 6	ICIS 410-663002/2	JF2551.D
Level 7	IC 410-663002/4	JF2553.D
Level 8	IC 410-663002/3	JF2552.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	+++++ 0.5553	+++++ 0.5573	0.7478 0.6019	0.5640	0.6126	Ave		0.6065				12.1		20.0			
N-Nitrosodimethylamine	0.7846 1.0598	0.9437 1.0382	1.0661 1.1523	0.9885	1.1226	Ave		1.0195				11.4		20.0			
Pyridine	2.3671 1.8387	1.7393 1.7369	1.6739 1.7415	1.7421	1.7429	Ave		1.8228				12.3		20.0			
N,N-dimethylformamide	+++++ 1.2264	+++++ 1.2945	0.9967 1.2792	1.1059	1.1904	Ave		1.1822				9.6		20.0			
2-Picoline	1.4201 1.6528	1.3579 1.6471	1.6754 1.7487	1.5595	1.5998	Ave		1.5827				8.4		20.0			
N-Nitrosomethylethylamine	+++++ 0.7130	+++++ 0.7225	0.7795 0.7556	0.7400	0.7293	Ave		0.7400				3.3		20.0			
Methyl methanesulfonate	1.3559 1.0970	1.1025 1.1312	1.1087 1.2239	1.0943	1.1608	Ave		1.1593				7.8		20.0			
N-Nitrosodiethylamine	0.9079 0.6943	0.7911 0.7252	0.6818 0.7655	0.6523	0.6786	Ave		0.7371				11.3		20.0			
Ethyl methanesulfonate	0.5762 0.7159	0.7034 0.7337	0.7178 0.7911	0.7009	0.7447	Ave		0.7105				8.7		20.0			
Benzaldehyde	1.3455 1.5898	1.4213 1.5492	1.8892 1.4836	1.5658	1.6577	Ave		1.5627			0.0100	10.5		20.0			
Aniline	1.7470 2.4808	2.0735 2.5531	2.3618 2.6835	2.4496	2.5473	Ave		2.3621				13.0		20.0			
Phenol	1.6270 2.2419	1.9999 2.3057	2.1392 2.4195	2.1384	2.3106	Ave		2.1478			0.8000	11.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Bis(2-chloroethyl)ether	1.6485 1.5230	1.4724 1.5131	1.5408 1.6260	1.4789	1.5728	Ave		1.5470			0.7000	4.2		20.0			
2-Chlorophenol	1.0728 1.1749	1.3593 1.2303	1.1157 1.2973	1.1641	1.2592	Ave		1.2092			0.8000	7.9		20.0			
1,3-Dichlorobenzene	1.5498 1.3780	1.3329 1.3942	1.4355 1.5005	1.3994	1.4383	Ave		1.4286				4.9		20.0			
1,4-Dichlorobenzene	1.3690 1.3849	1.5854 1.4301	1.3775 1.4983	1.4397	1.5040	Ave		1.4486				5.2		20.0			
Benzyl alcohol	0.7800 0.9585	0.9210 0.9754	0.8431 1.0509	0.9094	0.9937	Ave		0.9290				9.3		20.0			
1,2-Dichlorobenzene	1.2800 1.3366	1.2912 1.3573	1.4153 1.4245	1.3668	1.3935	Ave		1.3582				3.9		20.0			
bis (2-chloroisopropyl) ether	3.0740 2.7367	2.9892 2.6782	2.7091 2.8761	2.7208	2.8617	Ave		2.8307			0.0100	5.1		20.0			
o-Cresol	1.4815 1.3071	1.4264 1.3634	1.2736 1.4547	1.2881	1.3800	Ave		1.3719			0.7000	5.7		20.0			
N-Nitrosopyrrolidine	0.7168 0.8203	0.7507 0.8384	0.8405 0.8838	0.7997	0.8765	Ave		0.8158				7.1		20.0			
Acetophenone	1.9367 2.1756	2.3412 2.1665	2.3393 2.3158	2.1788	2.3685	Ave		2.2278			0.0100	6.5		20.0			
N-Nitrosodi-n-propylamine	1.2255 1.4532	1.5232 1.4350	1.5454 1.5286	1.3865	1.5354	Ave		1.4541			0.5000	7.5		20.0			
N-Nitrosomorpholine	1.0897 1.1617	0.9340 1.2010	1.1913 1.2619	1.1518	1.2237	Ave		1.1519				8.8		20.0			
2-Toluidine	2.2659 2.2655	2.3333 2.3558	2.3513 2.3970	2.2943	2.4356	Ave		2.3373				2.6		20.0			
m & p-Cresol	1.1283 1.5084	1.2571 1.5485	1.5351 1.6182	1.5045	1.6084	Ave		1.4636			0.6000	12.0		20.0			
Hexachloroethane	0.8306 0.6586	0.7354 0.6574	0.6687 0.6989	0.6738	0.6946	Ave		0.7022			0.3000	8.3		20.0			
Nitrobenzene	0.5652 0.6304	0.6906 0.6140	0.6277 0.6448	0.5920	0.6018	Ave		0.6208			0.2000	6.1		20.0			
N-Nitrosopiperidine	0.1890 0.2006	0.2164 0.1999	0.2177 0.2180	0.1969	0.2048	Ave		0.2054				5.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Isophorone	1.0989 1.0712	1.0615 1.0689	1.0718 1.1289	1.0373	1.0369	Ave		1.0719			0.4000	2.8		20.0			
2-Nitrophenol	0.1725 0.1857	0.1541 0.1909	0.1802 0.2044	0.1763	0.1767	Ave		0.1801			0.1000	8.1		20.0			
2,4-Dimethylphenol	0.3642 0.4671	0.4096 0.4720	0.4249 0.5066	0.4406	0.4618	Ave		0.4434			0.2000	9.9		20.0			
o,o',o''-Triethylphosphorothioate	0.1906 0.1965	0.1971 0.1931	0.2095 0.2086	0.1974	0.1924	Ave		0.1982				3.6		20.0			
Bis(2-chloroethoxy)methane	0.4956 0.6300	0.6527 0.6079	0.6413 0.6608	0.6149	0.6127	Ave		0.6145			0.3000	8.4		20.0			
2,4-Dichlorophenol	0.2818 0.3448	0.3293 0.3495	0.3093 0.3758	0.3160	0.3406	Ave		0.3309			0.2000	8.7		20.0			
1,2,4-Trichlorobenzene	0.3958 0.3947	0.4255 0.4085	0.4221 0.4255	0.3753	0.3869	Ave		0.4043				4.7		20.0			
Naphthalene	1.1553 1.0354	1.0349 1.0326	1.0764 1.1033	1.0786	1.0619	Ave		1.0723			0.7000	3.9		20.0			
a-Terpineol	0.5687 0.4895	0.5383 0.4948	0.4946 0.5235	0.4863	0.4927	Ave		0.5110				5.8		20.0			
4-Chloroaniline	+++++ 0.4483	0.3129 0.4644	0.4085 0.4774	0.4131	0.4192	Ave		0.4205			0.0100	12.9		20.0			
2,6-Dichlorophenol	0.3663 0.3427	0.2988 0.3445	0.3522 0.3583	0.3299	0.3234	Ave		0.3395				6.4		20.0			
Hexachloropropene	0.3005 0.3309	0.3185 0.3332	0.3441 0.3457	0.3087	0.3124	Ave		0.3242				5.2		20.0			
Hexachlorobutadiene	0.2301 0.2526	0.2881 0.2539	0.2501 0.2656	0.2492	0.2506	Ave		0.2550			0.0100	6.5		20.0			
Quinoline	0.6920 0.7051	0.5478 0.7134	0.7768 0.7515	0.7039	0.7013	Ave		0.6990				9.7		20.0			
N-Nitrosodi-n-butylamine	+++++ 0.4775	+++++ 0.4870	0.5375 0.3968	0.4675	0.4665	Ave		0.4721				9.6		20.0			
Caprolactam	0.0770 0.1022	0.1057 0.1024	0.0975 0.1039	0.0937	0.1020	Ave		0.0980			0.0100	9.5		20.0			
1,4-phenylenediamine	+++++ 0.3457	+++++ 0.3740	+++++ 0.3857	0.2960	0.3285	Ave		0.3460				10.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.5320 0.4034	0.3887 0.4050	0.3897 0.4335	0.3971	0.4084	Ave		0.4197			0.2000	11.3		20.0			
Safrole, Total	0.2714 0.2944	0.2753 0.2928	0.3069 0.3135	0.2835	0.2910	Ave		0.2911				5.0		20.0			
2-Methylnaphthalene	0.5641 0.6391	0.5933 0.6429	0.6581 0.6690	0.6302	0.6287	Ave		0.6282			0.4000	5.5		20.0			
1-Methylnaphthalene	0.7818 0.6601	0.6881 0.6639	0.6858 0.6941	0.6700	0.6596	Ave		0.6879				5.8		20.0			
Hexachlorocyclopentadiene	0.4795 0.5638	0.4229 0.5528	0.4758 0.6247	0.5020	0.5856	Ave		0.5259			0.0500	12.7		20.0			
1,2,4,5-Tetrachlorobenzene	0.8050 0.7185	0.6970 0.7156	0.7451 0.7911	0.6919	0.7732	Ave		0.7422			0.0100	5.8		20.0			
Isosafrole Peak 1	0.7151 0.5575	0.4500 0.5281	0.5610 0.6167	0.5746	0.5803	Ave		0.5729				13.1		20.0			
2,4,6-Trichlorophenol	0.3363 0.4470	0.3584 0.4217	0.3801 0.4881	0.4051	0.4596	Ave		0.4121			0.2000	12.7		20.0			
2,4,5-Trichlorophenol	0.3179 0.5028	0.4078 0.4635	0.4675 0.5272	0.4746	0.5153	Ave		0.4596			0.2000	14.8		20.0			
Isosafrole Peak 2	0.7299 0.6104	0.5742 0.5711	0.5897 0.6458	0.5906	0.6234	Ave		0.6169				8.5		20.0			
1,1'-Biphenyl	1.3423 1.4634	1.3841 1.3944	1.4399 1.5655	1.4314	1.5172	Ave		1.4423			0.0100	5.0		20.0			
2-Chloronaphthalene	1.0602 1.2919	1.1030 1.0376	1.2664 1.3027	1.2338	1.3097	Ave		1.2007			0.8000	9.5		20.0			
1-Chloronaphthalene	1.4582 1.0692	1.2828 1.2113	1.2333 1.2720	1.0990	1.1960	Ave		1.2277				9.8		20.0			
Diphenyl ether	1.0180 0.8788	0.8031 0.8159	0.9409 0.9149	0.8726	0.9380	Ave		0.8978				7.9		20.0			
2-Nitroaniline	0.3339 0.3558	0.2397 0.3481	0.3211 0.4051	0.3548	0.3624	Ave		0.3401			0.0100	13.9		20.0			
1,4-Naphthoquinone	0.4125 0.4652	0.4072 0.4333	0.4562 0.4803	0.4762	0.4896	Ave		0.4526				6.9		20.0			
1,4-Dinitrobenzene	+++++ 0.1831	0.1653 0.1717	0.1724 0.2063	0.1660	0.1845	Ave		0.1785				8.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dimethyl phthalate	1.6099 1.4162	1.3522 1.2944	1.4383 1.5266	1.3970	1.4441	Ave		1.4348			0.0100	6.8		20.0			
1,3-Dinitrobenzene	0.1382 0.1971	0.1617 0.1902	0.1991 0.2150	0.1961	0.2092	Ave		0.1883				13.6		20.0			
2,6-Dinitrotoluene	0.3172 0.3116	0.2918 0.2762	0.3078 0.3281	0.3002	0.3202	Ave		0.3067			0.2000	5.5		20.0			
Acenaphthylene	1.8908 1.8884	1.8684 1.7960	1.8894 2.0519	1.8319	1.9331	Ave		1.8937			0.9000	4.0		20.0			
3-Nitroaniline	+++++ 0.3248	0.2222 0.2968	0.2829 0.3492	0.2791	0.3115	Ave		0.2952			0.0100	13.7		20.0			
Acenaphthene	1.2612 1.2109	1.2864 1.1297	1.1858 1.3078	1.1846	1.2874	Ave		1.2317			0.9000	5.1		20.0			
2,4-Dinitrophenol	+++++ 0.2058	+++++ 0.2019	0.1598 0.2368	0.1914	0.2030	Ave		0.1998			0.0100	12.4		20.0			
Pentachlorobenzene	0.6197 0.5927	0.6322 0.5627	0.6569 0.6475	0.5839	0.6339	Ave		0.6162				5.4		20.0			
4-Nitrophenol	+++++ 0.2687	0.1769 0.2242	0.2343 0.2785	0.2202	0.2494	Ave		0.2360			0.0100	14.4		20.0			
Dibenzofuran	1.7902 1.6685	1.7997 1.5636	1.7113 1.8241	1.6346	1.7349	Ave		1.7159			0.8000	5.2		20.0			
2,4-Dinitrotoluene	0.3648 0.4287	0.4475 0.3939	0.4078 0.4529	0.4281	0.4480	Ave		0.4214			0.2000	7.3		20.0			
1-Naphthylamine	0.9239 1.1486	1.1450 1.0687	1.0923 1.2662	1.0911	1.1443	Ave		1.1100				8.7		20.0			
2,3,4,6-Tetrachlorophenol	0.4349 0.4121	0.3664 0.3809	0.3863 0.4352	0.3647	0.4154	Ave		0.3995			0.0100	7.2		20.0			
2-Naphthylamine	0.9829 1.1655	1.2444 1.0593	1.2140 1.2813	1.1356	1.1870	Ave		1.1587				8.5		20.0			
Diethyl phthalate	1.4878 1.3699	1.6010 1.2859	1.4591 1.4928	1.3911	1.4110	Ave		1.4373			0.0100	6.6		20.0			
Fluorene	1.2923 1.2926	1.2633 1.2069	1.3075 1.4339	1.2946	1.3975	Ave		1.3111			0.9000	5.5		20.0			
O,O-Diethyl O-2-pyrazinyl phosphorothioate	+++++ 0.2644	0.3179 0.2381	0.2359 0.2846	0.2547	0.2619	Ave		0.2653				10.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chlorophenyl-phenyl ether	0.8364 0.6631	0.7780 0.6295	0.6480 0.7117	0.6574	0.7198	Ave		0.7055			0.4000	10.1		20.0			
5-Nitro-o-toluidine	0.4360 0.3697	0.2846 0.3480	0.3434 0.3952	0.3625	0.3841	Ave		0.3654				12.0		20.0			
4-Nitroaniline	+++++ 0.2979	0.2627 0.2701	0.2661 0.3239	0.2664	0.3008	Ave		0.2840			0.0100	8.3		20.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1432	0.1075 0.1497	0.1272 0.1630	0.1324	0.1443	Ave		0.1382			0.0100	12.9		20.0			
n-Nitrosodiphenylamine(as diphenylamine)	0.5515 0.5986	0.5052 0.5936	0.5464 0.6370	0.6162	0.5953	Ave		0.5805			0.0100	7.4		20.0			
1,2-Diphenylhydrazine	1.2349 1.1255	1.2095 1.0964	1.0775 1.1815	1.0959	1.0925	Ave		1.1392				5.3		20.0			
Sulfotepp	0.2206 0.1949	0.2143 0.1848	0.1814 0.2027	0.1931	0.1822	Ave		0.1967				7.5		20.0			
cis-Diallate	+++++ 0.3665	+++++ 0.3778	0.4240 0.3923	0.3816	0.3671	Ave		0.3849				5.6		20.0			
Phorate	0.8449 1.0208	0.9087 1.0161	0.9373 1.0777	0.9820	0.9539	Ave		0.9677				7.5		20.0			
1,3,5-Trinitrobenzene	+++++ 0.0793	0.0656 0.0756	0.0589 0.0833	0.0729	0.0680	Ave		0.0719				11.7		20.0			
Phenacetin	+++++ 0.4602	+++++ 0.4350	0.3752 0.4819	0.4297	0.4333	Ave		0.4359				8.2		20.0			
4-Bromophenyl-phenylether	0.1732 0.2260	0.2523 0.2249	0.2152 0.2386	0.2344	0.2330	Ave		0.2247			0.1000	10.5		20.0			
trans-Diallate	+++++ 0.4223	+++++ 0.3764	0.4188 0.3917	0.3827	0.3798	Ave		0.3953				5.1		20.0			
Hexachlorobenzene	0.2508 0.2573	0.2905 0.2621	0.2721 0.2754	0.2687	0.2732	Ave		0.2688			0.1000	4.5		20.0			
Dimethoate	0.3637 0.3950	0.3182 0.3704	0.3449 0.4084	0.3788	0.3664	Ave		0.3682				7.6		20.0			
Atrazine	0.2651 0.2200	0.2325 0.2112	0.2091 0.2043	0.2258	0.2178	Ave		0.2232			0.0100	8.6		20.0			
Pentachlorophenol	+++++ 0.1727	0.1365 0.1771	0.1466 0.1953	0.1669	0.1644	Ave		0.1657			0.0500	11.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Aminobiphenyl	0.8834 0.7488	0.7281 0.7838	0.7384 0.8423	0.7934	0.7872	Ave		0.7882				6.7		20.0			
Pentachloronitrobenzene	0.1073 0.1322	0.1436 0.1318	0.1468 0.1444	0.1336	0.1357	Ave		0.1344				9.3		20.0			
Pronamide	0.3493 0.3775	0.3461 0.3773	0.3583 0.4160	0.3870	0.3798	Ave		0.3739				6.1		20.0			
Phenanthrene	1.2181 1.0635	1.1666 1.0611	1.0369 1.1150	1.0930	1.0840	Ave		1.1048			0.7000	5.5		20.0			
Dinoseb	+++++ 0.2123	+++++ 0.2148	0.1559 0.2388	0.1932	0.2156	Ave		0.2051				13.7		20.0			
Disulfoton	0.5910 0.5970	0.5495 0.5823	0.5968 0.6251	0.6169	0.5790	Ave		0.5922				4.0		20.0			
Anthracene	1.0677 1.0750	1.0390 1.0879	1.0592 1.1634	1.1104	1.0685	Ave		1.0839			0.7000	3.5		20.0			
Carbazole	0.9381 1.0142	0.8795 0.9548	0.9385 1.0622	0.9946	0.9760	Ave		0.9697			0.0100	5.7		20.0			
Methyl parathion	0.2406 0.2935	0.2230 0.2940	0.2756 0.3131	0.2872	0.2793	Ave		0.2758				10.8		20.0			
Di-n-butyl phthalate	1.1536 1.1679	1.0588 1.1467	1.0568 1.2661	1.1291	1.1224	Ave		1.1377			0.0100	5.8		20.0			
Parathion	0.1017 0.1804	0.1341 0.1695	0.1502 0.1880	0.1654	0.1708	Ave		0.1575				17.9		20.0			
4-Nitroquinoline-1-oxide	+++++ 0.1030	+++++ 0.1065	0.0734 0.1213	0.0823	0.0874	Ave		0.0956				18.5		20.0			
Octachlorostyrene	0.1120 0.1047	0.0689 0.1005	0.1097 0.1091	0.1124	0.1013	Ave		0.1023				13.9		20.0			
Isodrin	+++++ 0.1486	0.2025 0.1511	0.1773 0.1561	0.1494	0.1469	Ave		0.1617				12.8		20.0			
Fluoranthene	1.1664 1.2617	1.1022 1.1991	1.1697 1.3217	1.2580	1.2373	Ave		1.2145			0.6000	5.7		20.0			
Benzidine	+++++ 0.7287	0.4871 0.7021	0.5917 0.6742	0.7011	0.7028	Ave		0.6554				13.2		20.0			
Pyrene	1.3555 1.2069	1.1793 1.1557	1.1823 1.2638	1.2414	1.1900	Ave		1.2219			0.6000	5.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
p-Dimethylamino azobenzene	0.1858 0.1694	0.1172 0.1661	0.1358 0.1792	0.1585	0.1618	Ave		0.1592				14.2		20.0			
Chlorobenzilate	0.3249 0.3356	0.2794 0.3257	0.3232 0.3610	0.3352	0.3292	Ave		0.3268				6.9		20.0			
3,3'-Dimethylbenzidine	0.5009 0.6258	0.5124 0.5814	0.4960 0.6214	0.6136	0.5861	Ave		0.5672				9.8		20.0			
Butyl benzyl phthalate	0.5000 0.4576	0.4193 0.4321	0.3735 0.4813	0.4416	0.4386	Ave		0.4430			0.0100	8.7		20.0			
2-Acetylaminofluorene	+++++ 0.3815	+++++ 0.3907	+++++ 0.4283	0.3332	0.3515	Ave		0.3770				9.8		20.0			
Benzo[a]anthracene	1.0898 0.9557	0.8575 0.9726	0.8609 1.0525	0.9619	0.9770	Ave		0.9660			0.8000	8.4		20.0			
3,3'-Dichlorobenzidine	0.3434 0.3732	0.3102 0.3563	0.3241 0.3923	0.3548	0.3609	Ave		0.3519			0.0100	7.4		20.0			
4,4'-Methylene bis(2-chloroaniline)	0.2207 0.1973	0.1552 0.1920	0.1635 0.2036	0.1850	0.1893	Ave		0.1883				11.2		20.0			
Chrysene	1.0102 0.9245	0.9681 0.8724	0.8981 0.9600	0.9589	0.9173	Ave		0.9387			0.7000	4.7		20.0			
Bis(2-ethylhexyl) phthalate	0.5760 0.6251	0.5522 0.6070	0.4996 0.6790	0.5970	0.5973	Ave		0.5917			0.0100	8.9		20.0			
6-Methylchrysene	0.6686 0.5777	0.5999 0.5705	0.5923 0.6339	0.5814	0.5637	Ave		0.5985				6.0		20.0			
Di-n-octyl phthalate	1.2771 1.3983	1.1914 1.4149	1.0646 1.5598	1.2298	1.2517	Ave		1.2984			0.0100	11.8		20.0			
Benzo[b]fluoranthene	1.0660 1.2935	1.1468 1.2530	1.1673 1.3899	1.2150	1.1993	Ave		1.2164			0.7000	8.1		20.0			
7,12-Dimethylbenz(a)anthracene	0.3871 0.5165	0.4150 0.5265	0.4477 0.5731	0.4791	0.4943	Ave		0.4799				12.8		20.0			
Benzo[k]fluoranthene	1.4275 1.2264	1.1655 1.2825	1.2080 1.3219	1.1997	1.2194	Ave		1.2564			0.7000	6.8		20.0			
Benzo[a]pyrene	1.2404 1.1785	1.0827 1.1866	1.0670 1.2688	1.1180	1.1531	Ave		1.1619			0.7000	6.2		20.0			
3-Methylcholanthrene	0.4855 0.5433	0.5176 0.5468	0.4546 0.5956	0.5141	0.5066	Ave		0.5205				8.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dibenz[a,h]acridine	0.8492 0.8775	0.9320 0.8919	0.8628 0.9803	0.8333	0.8539	Ave		0.8851				5.5		20.0			
Dibenz[a,j]acridine	0.9254 0.9258	0.7831 0.9163	0.8048 0.9928	0.8827	0.9210	Ave		0.8940				7.7		20.0			
Indeno[1,2,3-cd]pyrene	1.0866 1.0803	1.0599 1.0711	0.9412 1.1715	1.0567	1.0677	Ave		1.0669			0.5000	5.9		20.0			
Dibenz(a,h)anthracene	1.0418 1.0309	0.8648 1.0183	0.9450 1.0934	1.0468	1.0086	Ave		1.0062			0.4000	7.0		20.0			
Benzo[g,h,i]perylene	1.0746 1.1257	1.0877 1.0868	1.0267 1.1595	1.0561	1.0875	Ave		1.0881			0.5000	3.7		20.0			
2-Fluorophenol (Surr)	1.0216 1.2648	1.1146 1.2879	1.1860 1.3804	1.2199	1.2905	Ave		1.2207				9.2		20.0			
Phenol-d5 (Surr)	1.5746 1.9316	1.3904 2.0011	1.7801 2.0922	1.8950	1.9680	Ave		1.8291				12.9		20.0			
Nitrobenzene-d5 (Surr)	0.5803 0.6165	0.5792 0.6087	0.5647 0.6464	0.5838	0.5924	Ave		0.5965				4.4		20.0			
2-Fluorobiphenyl (Surr)	1.3053 1.4269	1.4015 1.3933	1.4367 1.5042	1.3681	1.5230	Ave		1.4199				5.0		20.0			
2,4,6-Tribromophenol (Surr)	0.1968 0.2454	0.2629 0.2241	0.2219 0.2682	0.2343	0.2500	Ave		0.2379				9.9		20.0			
p-Terphenyl-d14 (Surr)	0.7352 0.6699	0.6441 0.6430	0.6413 0.6989	0.6921	0.6736	Ave		0.6748				4.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-234898-1 | Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 | GC Column: DB-5MS 30m ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 | Calibration End Date: 06/26/2025 01:38 | Calibration ID: 74121

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-663002/9	JF2558.D
Level 2	IC 410-663002/8	JF2557.D
Level 3	IC 410-663002/7	JF2556.D
Level 4	IC 410-663002/6	JF2555.D
Level 5	IC 410-663002/5	JF2554.D
Level 6	ICIS 410-663002/2	JF2551.D
Level 7	IC 410-663002/4	JF2553.D
Level 8	IC 410-663002/3	JF2552.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd4	Ave	+++++ 267745	+++++ 499005	29796 665687	77432	152473	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodimethylamine	DCBd4	Ave	3068 511009	7643 929539	42478 1274364	135702	279426	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pyridine	DCBd4	Ave	18512 1773156	28172 3110370	133394 3851883	478298	867654	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
N,N-dimethylformamide	DCBd4	Ave	+++++ 591351	+++++ 1159040	39713 1414685	151820	296296	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Picoline	DCBd4	Ave	5553 796936	10997 1474755	66759 1933852	214083	398214	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomethylethylamine	DCBd4	Ave	+++++ 343773	+++++ 646904	31059 835589	101586	181542	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Methyl methanesulfonate	DCBd4	Ave	5302 528927	8929 1012809	44176 1353462	150229	288932	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodiethylamine	DCBd4	Ave	3550 334775	6407 649289	27168 846538	89544	168902	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Ethyl methanesulfonate	DCBd4	Ave	2253 345196	5697 656905	28602 874895	96214	185372	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzaldehyde	DCBd4	Ave	5261 766523	11511 1387103	75276 1640709	214953	412611	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Aniline	DCBd4	Ave	6831 1196142	16793 2285900	94107 2967686	336283	634052	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenol	DCBd4	Ave	6362 1080967	16197 2064460	85238 2675647	293566	575128	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethyl)ether	DCBd4	Ave	6446 734361	11925 1354720	61396 1798178	203024	391497	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chlorophenol	DCBd4	Ave	4195 566505	11009 1101532	44454 1434694	159802	313423	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dichlorobenzene	DCBd4	Ave	6060	10795	57197	192112	358009	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-234898-1 | Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 | GC Column: DB-5MS 30m ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 | Calibration End Date: 06/26/2025 01:38 | Calibration ID: 74121

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			664415	1248265	1659401			12.5	20.0	30.0		
1,4-Dichlorobenzene	DCBd4	Ave	5353 667752	12840 1280424	54889 1656995	197637	374364	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzyl alcohol	DCBd4	Ave	3050 462146	7459 873319	33593 1162198	124840	247352	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2-Dichlorobenzene	DCBd4	Ave	5005 644469	10457 1215287	56394 1575368	187634	346862	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
bis (2-chloroisopropyl) ether	DCBd4	Ave	12020 1319548	24209 2397943	107946 3180650	373508	712305	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o-Cresol	DCBd4	Ave	5793 630255	11552 1220715	50746 1608728	176834	343508	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopyrrolidine	DCBd4	Ave	2803 395497	6080 750695	33489 977350	109781	218175	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acetophenone	DCBd4	Ave	7573 1049001	18961 1939757	93211 2561003	299102	589556	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-propylamine	DCBd4	Ave	4792 700674	12336 1284854	61578 1690415	190344	382193	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomorpholine	DCBd4	Ave	4261 560154	7564 1075328	47467 1395542	158124	304591	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Toluidine	DCBd4	Ave	8860 1092335	18897 2109313	93691 2650822	314959	606252	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
m & p-Cresol	DCBd4	Ave	4412 727302	10181 1386451	61168 1789595	206538	400364	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloroethane	DCBd4	Ave	3248 317540	5956 588612	26646 772860	92494	172883	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Nitrobenzene	NPT	Ave	7400 986059	19369 1820281	84359 2376513	277696	530798	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopiperidine	NPT	Ave	2475 313819	6069 592707	29253 803495	92377	180676	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isophorone	NPT	Ave	14387 1675663	29770 3168875	144051 4160998	486555	914653	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitrophenol	NPT	Ave	2259 290537	4321 565986	24216 753322	82690	155843	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dimethylphenol	NPT	Ave	4768 730658	11488 1399382	57106 1867225	206696	407306	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o,o',o''-Triethylphosphorothioate	NPT	Ave	2496 307403	5528 572551	28154 768957	92582	169690	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethoxy)methane	NPT	Ave	6489 985510	18304 1802176	86193 2435531	288419	540479	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dichlorophenol	NPT	Ave	3690	9235	41565	148232	300446	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			539332	1036111	1385013			12.5	20.0	30.0		
1,2,4-Trichlorobenzene	NPT	Ave	5182 617439	11934 1211157	56729 1568526	176061	341308	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Naphthalene	NPT	Ave	15126 1619670	29023 3061193	144663 4066716	505943	936637	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
a-Terpineol	NPT	Ave	7446 765667	15097 1466891	66471 1929514	228111	434573	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloroaniline	NPT	Ave	+++++ 701298	8776 1376632	54901 1759696	193784	369752	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dichlorophenol	NPT	Ave	4796 536048	8381 1021386	47336 1320561	154746	285222	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloropropene	NPT	Ave	3934 517588	8932 987734	46245 1274212	144827	275552	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorobutadiene	NPT	Ave	3013 395173	8079 752686	33611 978841	116911	221026	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Quinoline	NPT	Ave	9060 1102931	15362 2114755	104396 2769990	330193	618550	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-butylamine	NPT	Ave	+++++ 746994	+++++ 1443620	72240 1462525	219304	411463	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Caprolactam	NPT	Ave	1008 159845	2965 303603	13100 382978	43929	89932	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-phenylenediamine	NPT	Ave	+++++ 540769	+++++ 1108645	+++++ 1421602	138852	289730	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
4-Chloro-3-methylphenol	NPT	Ave	6965 631019	10901 1200703	52377 1597780	186285	360230	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Safrole, Total	NPT	Ave	3553 460454	7721 868132	41248 1155701	132966	256680	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylnaphthalene	NPT	Ave	7386 999658	16638 1905955	88451 2465948	295620	554526	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Methylnaphthalene	NPT	Ave	10236 1032575	19297 1968151	92165 2558219	314302	581816	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorocyclopentadiene	ANT	Ave	3944 525424	7347 1025764	40526 1335543	145049	291807	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2,4,5-Tetrachlorobenzene	ANT	Ave	6621 669605	12110 1327820	63463 1691185	199939	385243	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 1	ANT	Ave	941 83130	1251 156796	7645 210952	26565	46267	0.0200 2.00	0.0400 3.20	0.200 4.80	0.600	1.20
2,4,6-Trichlorophenol	ANT	Ave	2766 416611	6227 782564	32379 1043535	117055	229028	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4,5-Trichlorophenol	ANT	Ave	2615	7085	39822	137130	256749	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			468598	860016	1127120			12.5	20.0	30.0		
Isosafrole Peak 2	ANT	Ave	5043 477862	8380 890163	42193 1159665	143363	260930	0.105 10.5	0.210 16.8	1.05 25.2	3.15	6.30
1,1'-Biphenyl	ANT	Ave	11040 1363875	24046 2587338	122644 3346793	413610	755975	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chloronaphthalene	ANT	Ave	8720 1204048	19163 1925370	107870 2784888	356527	652593	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Chloronaphthalene	ANT	Ave	11993 996500	22286 2247631	105047 2719184	317570	595947	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diphenyl ether	ANT	Ave	8373 819052	13952 1513913	80146 1955818	252152	467357	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitroaniline	ANT	Ave	2746 331585	4164 645828	27349 865970	102523	180565	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Naphthoquinone	ANT	Ave	3393 433512	7075 803970	38861 1026748	137615	243936	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Dinitrobenzene	ANT	Ave	+++++ 170668	2871 318608	14681 440969	47963	91941	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethyl phthalate	ANT	Ave	13241 1319799	23492 2401768	122514 3263478	403683	719523	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dinitrobenzene	ANT	Ave	1137 183663	2809 352942	16959 459617	56668	104219	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dinitrotoluene	ANT	Ave	2609 290375	5070 512547	26221 701496	86758	159536	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthylene	ANT	Ave	15551 1759875	32460 3332556	160936 4386602	529333	963213	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Nitroaniline	ANT	Ave	+++++ 302701	3861 550786	24094 746577	80645	155207	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthene	ANT	Ave	10373 1128477	22349 2096282	101007 2795732	342302	641491	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrophenol	ANT	Ave	+++++ 383667	+++++ 749213	54431 1012370	165949	236010	+++++ 25.0	+++++ 40.0	5.00 60.0	11.3	17.5
Pentachlorobenzene	ANT	Ave	5097 552403	10984 1044055	55950 1384176	168724	315857	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitrophenol	ANT	Ave	+++++ 500760	18435 832035	59865 1190740	127252	248551	+++++ 25.0	1.50 40.0	3.75 60.0	7.50	15.0
Dibenzofuran	ANT	Ave	14724 1554978	31266 2901268	145769 3899612	472330	864466	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrotoluene	ANT	Ave	3000 399522	7774 730969	34734 968107	123718	223204	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Naphthylamine	ANT	Ave	7599	19892	93041	315289	570181	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1070410	1983079	2706916			12.5	20.0	30.0		
2,3,4,6-Tetrachlorophenol	ANT	Ave	3577 384068	6365 706747	32906 930357	105391	206972	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Naphthylamine	ANT	Ave	8084 1086158	21619 1965566	103403 2739088	328150	591426	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diethyl phthalate	ANT	Ave	12237 1276711	27815 2386011	124287 3191270	401975	703074	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluorene	ANT	Ave	10629 1204701	21947 2239404	111367 3065336	374075	696306	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
O,O-Diethyl O-2-pyrazinyl phosphorothioate	ANT	Ave	+++++ 246389	5523 441753	20096 608359	73592	130474	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chlorophenyl-phenyl ether	ANT	Ave	6879 617976	13516 1168015	55193 1521434	189956	358630	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
5-Nitro-o-toluidine	ANT	Ave	3586 344592	4944 645792	29248 844861	104751	191389	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroaniline	ANT	Ave	+++++ 277664	4564 501254	22669 692425	76988	149864	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 477480	21173 921137	61487 1271447	132807	270284	+++++ 25.0	1.50 40.0	3.75 60.0	7.50	15.0
n-Nitrosodiphenylamine(as diphenylamine)	PHN	Ave	7334 848470	14102 1552080	74855 2111556	262773	473917	0.106 10.6	0.213 17.0	1.06 25.5	3.19	6.38
1,2-Diphenylhydrazine	PHN	Ave	19321 1876793	39717 3372456	173660 4607977	549772	1023251	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Sulfotepp	PHN	Ave	3451 324954	7036 568332	29230 790728	96899	170638	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
cis-Diallate	PHN	Ave	+++++ 452211	+++++ 860005	50566 1132232	141676	254424	+++++ 9.25	+++++ 14.8	0.925 22.2	2.78	5.55
Phorate	PHN	Ave	13218 1702188	29838 3125321	151056 4203214	492626	893497	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3,5-Trinitrobenzene	PHN	Ave	+++++ 132192	2154 232539	9498 324999	36555	63693	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenacetin	PHN	Ave	+++++ 767464	+++++ 1337992	60472 1879580	215574	405821	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Bromophenyl-phenylether	PHN	Ave	2710 376925	8286 691866	34690 930440	117589	218245	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
trans-Diallate	PHN	Ave	+++++ 183084	+++++ 301057	17548 397205	49923	92493	+++++ 3.25	+++++ 5.20	0.325 7.80	0.975	1.95
Hexachlorobenzene	PHN	Ave	3924 429099	9539 806099	43855 1074081	134790	255918	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dimethoate	PHN	Ave	5690 658693	10447 1139182	55588 1592992	190026	343214	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Atrazine	PHN	Ave	4147 366870	7636 649680	33706 796970	113262	204045	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachlorophenol	PHN	Ave	+++++ 576097	22418 1089548	47250 1523354	167498	307942	+++++ 25.0	1.25 40.0	2.50 60.0	7.50	15.0
4-Aminobiphenyl	PHN	Ave	13821 1248616	23907 2410809	119010 3285222	398031	737284	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachloronitrobenzene	PHN	Ave	1678 220512	4714 405448	23654 563024	67011	127142	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pronamide	PHN	Ave	5465 629426	11365 1160537	57747 1622502	194162	355750	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenanthrene	PHN	Ave	19058 1773387	38307 3263820	167118 4348787	548354	1015318	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dinoseb	PHN	Ave	+++++ 353971	+++++ 660835	25127 931314	96935	201940	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Disulfoton	PHN	Ave	9247 995532	18043 1791094	96186 2437935	309470	542356	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Anthracene	PHN	Ave	16705 1792565	34116 3346448	170712 4537248	557040	1000810	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Carbazole	PHN	Ave	14677 1691123	28880 2936824	151262 4142790	498947	914121	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Methyl parathion	PHN	Ave	3764 489410	7324 904385	44421 1221193	144074	261626	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-butyl phthalate	PHN	Ave	18048 1947411	34767 3527135	170329 4937842	566448	1051286	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Parathion	PHN	Ave	1591 300863	4403 521302	24203 733151	82994	159989	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroquinoline-1-oxide	PHN	Ave	+++++ 171769	+++++ 327442	11831 473081	41295	81819	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Octachlorostyrene	PHN	Ave	1752 174616	2262 309280	17681 425505	56405	94887	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isodrin	PHN	Ave	+++++ 247840	6648 464865	28574 608661	74964	137571	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluoranthene	PHN	Ave	18249 2103894	36192 3688303	188522 5154820	631104	1158877	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzidine	PYR10	Ave	+++++ 3965667	51417 6782636	312901 8476034	1136629	2155446	+++++ 37.5	0.750 60.0	3.75 90.0	11.3	22.5
Pyrene	PYR10	Ave	22394 2189260	41497 3721681	208428 5295846	670840	1216456	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
p-Dimethylamino azobenzene	PYR10	Ave	3069 307237	4124 534813	23944 750882	85665	165367	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chlorobenzilate	PYR10	Ave	5368 608696	9833 1048756	56971 1512757	181108	336575	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3,3'-Dimethylbenzidine	PYR10	Ave	8275 1135135	18032 1872229	87430 2603716	331598	599197	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Butyl benzyl phthalate	PYR10	Ave	8260 829986	14753 1391500	65844 2017007	238649	448371	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Acetylaminofluorene	PYR10	Ave	+++++ 692033	+++++ 1258086	+++++ 1794859	180030	359304	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
Benzo[a]anthracene	PYR10	Ave	18004 1733513	30175 3132239	151759 4410443	519801	998789	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3,3'-Dichlorobenzidine	PYR10	Ave	5673 676902	10916 1147433	57135 1643939	191731	368914	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,4'-Methylene bis(2-chloroaniline)	PYR10	Ave	3646 357909	5460 618350	28820 853064	99967	193466	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chrysene	PYR10	Ave	16690 1677086	34067 2809456	158326 4022554	518182	937720	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-ethylhexyl) phthalate	PYR10	Ave	9516 1133837	19430 1954646	88080 2845352	322622	610593	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
6-Methylchrysene	PYR10	Ave	11046 1047848	21108 1837084	104408 2656089	314153	576220	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-octyl phthalate	PRY	Ave	14732 1793603	30050 3094510	132822 4469717	493662	934741	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[b]fluoranthene	PRY	Ave	12297 1659118	28927 2740545	145635 3982953	487701	895621	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
7,12-Dimethylbenz(a)anthracene	PRY	Ave	4465 662484	10467 1151463	55861 1642337	192308	369098	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[k]fluoranthene	PRY	Ave	16467 1573020	29398 2804979	150711 3788221	481575	910584	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]pyrene	PRY	Ave	14308 1511586	27308 2595311	133126 3635938	448774	861099	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Methylcholanthrene	PRY	Ave	5600 696910	13056 1195900	56713 1706681	206346	378319	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,h]acridine	PRY	Ave	9796 1125496	23509 1950808	107644 2809067	334484	637671	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,j]acridine	PRY	Ave	10675 1187479	19752 2003999	100408 2845106	354304	687777	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	12534 1385690	26735 2342745	117430 3357034	424163	797314	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dibenz(a,h)anthracene	PRY	Ave	12018 1322268	21814 2227064	117897 3133298	420197	753211	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[g,h,i]perylene	PRY	Ave	12396 1443910	27435 2376909	128097 3322868	423921	812113	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Fluorophenol (Surr)	DCBd4	Ave	7989 1219731	18054 2306174	94518 3053156	334932	642452	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Phenol-d5 (Surr)	DCBd4	Ave	12314 1862734	22521 3583368	141858 4627479	520296	979709	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Nitrobenzene-d5 (Surr)	NPT	Ave	15195 1928826	32487 3608999	151774 4764977	547671	1045063	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2-Fluorobiphenyl (Surr)	ANT	Ave	21472 2659621	48696 5170755	244757 6431191	790653	1517727	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	3238 457370	9134 831632	37809 1146506	135382	249165	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
p-Terphenyl-d14 (Surr)	PYR10	Ave	24292 2430459	45328 4141059	226110 5857441	748028	1377103	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0

Curve Type Legend:
Ave = Average ISTD

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2551.D
Lims ID: ICIS L6
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 25-Jun-2025 23:02:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS L6
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub57

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:29:35 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: N5QU Date: 26-Jun-2025 01:59:18

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.426	1.426	0.000	98	267745	12.5	11.4	
	2 N-Nitrosodimethylamine	74	1.642	1.642	0.000	96	511009	12.5	13.0	
	3 Pyridine	79	1.677	1.677	0.000	93	1773156	25.0	25.2	
	4 Dimethylformamide	73	1.981	1.981	0.000	97	591351	12.5	13.0	
	5 2-Picoline	93	2.250	2.250	0.000	93	796936	12.5	13.1	
	6 N-Nitrosomethylethylamine	88	2.331	2.331	0.000	96	343773	12.5	12.0	
	7 Methyl methanesulfonate	80	2.594	2.594	0.000	86	528927	12.5	11.8	
$	9 2-Fluorophenol	112	2.752	2.752	0.000	96	1219731	25.0	25.9	
	11 N-Nitrosodiethylamine	102	2.950	2.950	0.000	92	334775	12.5	11.8	
	12 Ethyl methanesulfonate	109	3.260	3.260	0.000	94	345196	12.5	12.6	
	13 Benzaldehyde	77	3.575	3.575	0.000	89	766523	12.5	12.7	
$	15 Phenol-d5	99	3.680	3.680	0.000	95	1862734	25.0	26.4	
	17 Aniline	93	3.686	3.686	0.000	94	1196142	12.5	13.1	
	16 Phenol	94	3.692	3.692	0.000	90	1080967	12.5	13.0	
	18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	87	734361	12.5	12.3	
	19 2-Chlorophenol	128	3.803	3.803	0.000	89	566505	12.5	12.1	
	21 1,3-Dichlorobenzene	146	3.943	3.943	0.000	94	664415	12.5	12.1	
*	22 1,4-Dichlorobenzene-d4	152	4.001	4.001	0.000	94	192866	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.013	4.013	0.000	88	667752	12.5	12.0	
	26 Benzyl alcohol	108	4.153	4.153	0.000	86	462146	12.5	12.9	
	27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	92	644469	12.5	12.3	
	30 2,2'-oxybis[1-chloropropane]	45	4.282	4.282	0.000	82	1319548	12.5	12.1	
	29 2-Methylphenol	108	4.282	4.282	0.000	84	630255	12.5	11.9	
	31 N-Nitrosopyrrolidine	100	4.387	4.387	0.000	87	395497	12.5	12.6	
	32 Acetophenone	105	4.404	4.404	0.000	90	1049001	12.5	12.2	
	33 N-Nitrosodi-n-propylamine	70	4.410	4.410	0.000	87	700674	12.5	12.5	
	35 N-Nitrosomorpholine	56	4.428	4.428	0.000	84	560154	12.5	12.6	
	34 4-Methylphenol	108	4.433	4.433	0.000	82	727302	12.5	12.9	
	36 2-Toluidine	106	4.439	4.439	0.000	82	1092335	12.5	12.1	
	37 Hexachloroethane	117	4.486	4.486	0.000	93	317540	12.5	11.7	
$	39 Nitrobenzene-d5	82	4.544	4.544	0.000	89	1928826	25.0	25.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Nitrobenzene	77	4.568	4.568	0.000	86	986059	12.5	12.7	
41 N-Nitrosopiperidine	114	4.714	4.714	0.000	81	313819	12.5	12.2	
42 Isophorone	82	4.801	4.801	0.000	98	1675663	12.5	12.5	
43 2-Nitrophenol	139	4.871	4.871	0.000	86	290537	12.5	12.9	
44 2,4-Dimethylphenol	107	4.941	4.941	0.000	97	730658	12.5	13.2	
46 o,o',o''-Triethylphosphorothioat	198	5.000	5.000	0.000	93	307403	12.5	12.4	
47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	93	985510	12.5	12.8	
49 2,4-Dichlorophenol	162	5.117	5.117	0.000	97	539332	12.5	13.0	
50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	93	617439	12.5	12.2	
* 52 Naphthalene-d8	136	5.233	5.233	0.000	98	625703	5.00	5.00	
53 Naphthalene	128	5.251	5.251	0.000	98	1619670	12.5	12.1	
55 Alpha-Terpineol	59	5.280	5.280	0.000	91	765667	12.5	12.0	
56 4-Chloroaniline	127	5.327	5.327	0.000	87	701298	12.5	13.3	
57 2,6-Dichlorophenol	162	5.327	5.327	0.000	88	536048	12.5	12.6	
58 Hexachloropropene	213	5.338	5.338	0.000	97	517588	12.5	12.8	
59 Hexachlorobutadiene	225	5.379	5.379	0.000	95	395173	12.5	12.4	
61 Quinoline	129	5.578	5.578	0.000	92	1102931	12.5	12.6	
63 N-Nitrosodi-n-butylamine	84	5.654	5.654	0.000	90	746994	12.5	12.6	
62 Caprolactam	113	5.665	5.665	0.000	74	159845	12.5	13.0	
64 p-Phenylene diamine	108	5.677	5.677	0.000	93	540769	12.5	12.5	
65 4-Chloro-3-methylphenol	107	5.823	5.823	0.000	92	631019	12.5	12.0	
66 Safrole, Total	162	5.852	5.852	0.000	81	460454	12.5	12.6	a
67 2-Methylnaphthalene	142	5.922	5.922	0.000	90	999658	12.5	12.7	a
69 1-Methylnaphthalene	142	6.010	6.010	0.000	91	1032575	12.5	12.0	a
71 Hexachlorocyclopentadiene	237	6.074	6.074	0.000	95	525424	12.5	13.4	
70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	96	669605	12.5	12.1	
72 Isosafrole Peak 1	162	6.133	6.133	0.000	84	83130	2.00	1.95	
79 2,4,6-Trichlorophenol	196	6.208	6.208	0.000	95	416611	12.5	13.6	
80 2,4,5-Trichlorophenol	196	6.249	6.249	0.000	94	468598	12.5	13.7	
$ 81 2-Fluorobiphenyl (Surr)	172	6.278	6.278	0.000	99	2659621	25.0	25.1	
82 Isosafrole Peak 2	162	6.349	6.349	0.000	87	477862	10.5	10.4	
83 1,1'-Biphenyl	154	6.372	6.372	0.000	96	1363875	12.5	12.7	
84 2-Chloronaphthalene	162	6.384	6.384	0.000	96	1204048	12.5	13.5	M
85 1-Chloronaphthalene	162	6.401	6.401	0.000	98	996500	12.5	10.9	Ma
86 Phenyl ether	170	6.477	6.477	0.000	91	819052	12.5	12.2	
87 2-Nitroaniline	138	6.500	6.500	0.000	74	331585	12.5	13.1	
S 24 Dinitrotoluene	165				0		25.0	25.4	
88 1,4-Naphthoquinone	158	6.565	6.565	0.000	75	433512	12.5	12.8	
89 1,4-Dinitrobenzene	168	6.641	6.641	0.000	84	170668	12.5	12.8	
90 Dimethyl phthalate	163	6.687	6.687	0.000	96	1319799	12.5	12.3	
91 1,3-Dinitrobenzene	168	6.711	6.711	0.000	80	183663	12.5	13.1	
92 2,6-Dinitrotoluene	165	6.740	6.740	0.000	86	290375	12.5	12.7	
93 Acenaphthylene	152	6.775	6.775	0.000	99	1759875	12.5	12.5	
95 3-Nitroaniline	138	6.897	6.897	0.000	86	302701	12.5	13.8	
* 96 Acenaphthene-d10	164	6.909	6.909	0.000	95	372785	5.00	5.00	
97 Acenaphthene	153	6.938	6.938	0.000	98	1128477	12.5	12.3	
98 2,4-Dinitrophenol	184	6.997	6.997	0.000	78	383667	25.0	25.8	
99 Pentachlorobenzene	250	7.067	7.067	0.000	97	552403	12.5	12.0	
100 4-Nitrophenol	109	7.096	7.096	0.000	88	500760	25.0	28.5	
101 Dibenzofuran	168	7.108	7.108	0.000	97	1554978	12.5	12.2	
102 2,4-Dinitrotoluene	165	7.119	7.119	0.000	87	399522	12.5	12.7	
104 1-Naphthylamine	143	7.189	7.189	0.000	97	1070410	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
105 2,3,4,6-Tetrachlorophenol	232	7.236	7.236	0.000	74	384068	12.5	12.9	
106 2-Naphthylamine	143	7.265	7.265	0.000	95	1086158	12.5	12.6	
107 Diethyl phthalate	149	7.359	7.359	0.000	96	1276711	12.5	11.9	
108 Fluorene	166	7.429	7.429	0.000	92	1204701	12.5	12.3	
109 Thionazin	107	7.435	7.435	0.000	73	246389	12.5	12.5	
110 4-Chlorophenyl phenyl ether	204	7.440	7.440	0.000	93	617976	12.5	11.7	
111 N-Nitro-o-toluidine	152	7.464	7.464	0.000	89	344592	12.5	12.6	
112 4-Nitroaniline	138	7.475	7.475	0.000	77	277664	12.5	13.1	
113 4,6-Dinitro-2-methylphenol	198	7.505	7.505	0.000	71	477480	25.0	25.9	
114 N-Nitrosodiphenylamine	169	7.563	7.563	0.000	67	848470	10.6	11.0	
115 1,2-Diphenylhydrazine	77	7.592	7.592	0.000	98	1876793	12.5	12.3	
$ 116 2,4,6-Tribromophenol	330	7.662	7.662	0.000	92	457370	25.0	25.8	
117 Sulfotepp	97	7.732	7.732	0.000	77	324954	12.5	12.4	
120 cis-Diallate	86	7.838	7.838	0.000	98	452211	9.25	8.81	
119 Phorate	75	7.849	7.849	0.000	93	1702188	12.5	13.2	
118 1,3,5-Trinitrobenzene	213	7.855	7.855	0.000	79	132192	12.5	13.8	
121 Phenacetin	108	7.878	7.878	0.000	89	767464	12.5	13.2	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	71	376925	12.5	12.6	
123 trans-Diallate	86	7.919	7.919	0.000	96	183084	3.25	3.47	
124 Hexachlorobenzene	284	7.948	7.948	0.000	93	429099	12.5	12.0	
125 Dimethoate	87	8.013	8.013	0.000	96	658693	12.5	13.4	
126 Atrazine	200	8.089	8.089	0.000	86	366870	12.5	12.3	
127 Pentachlorophenol	266	8.153	8.153	0.000	91	576097	25.0	26.1	
129 4-Aminobiphenyl	169	8.153	8.153	0.000	92	1248616	12.5	11.9	
128 Pentachloronitrobenzene	237	8.159	8.159	0.000	81	220512	12.5	12.3	
130 Pronamide	173	8.229	8.229	0.000	89	629426	12.5	12.6	
* 131 Phenanthrene-d10	188	8.316	8.316	0.000	98	667007	5.00	5.00	
132 Phenanthrene	178	8.334	8.334	0.000	98	1773387	12.5	12.0	
133 Dinoseb	211	8.340	8.340	0.000	92	353971	12.5	12.9	
134 Disulfoton	88	8.346	8.346	0.000	97	995532	12.5	12.6	
135 Anthracene	178	8.386	8.386	0.000	99	1792565	12.5	12.4	
136 Carbazole	167	8.556	8.556	0.000	96	1691123	12.5	13.1	
137 Methyl parathion	109	8.696	8.696	0.000	89	489410	12.5	13.3	
138 Di-n-butyl phthalate	149	8.912	8.912	0.000	99	1947411	12.5	12.8	
139 Ethyl Parathion	109	9.075	9.075	0.000	80	300863	12.5	14.3	
140 4-Nitroquinoline-1-oxide	190	9.087	9.087	0.000	88	171769	12.5	13.5	
142 Octachlorostyrene	308	9.286	9.286	0.000	91	174616	12.5	12.8	
143 Isodrin	193	9.315	9.315	0.000	92	247840	12.5	11.5	
144 Fluoranthene	202	9.461	9.461	0.000	98	2103894	12.5	13.0	
145 Benzidine	184	9.618	9.618	0.000	99	3965667	37.5	41.7	
* 146 Pyrene-d10 (IS)	212	9.653	9.653	0.000	98	725580	5.00	5.00	
S 68 Diallate	86				0		12.5	12.3	
147 Pyrene	202	9.671	9.671	0.000	97	2189260	12.5	12.3	
$ 148 p-Terphenyl-d14	244	9.846	9.846	0.000	99	2430459	25.0	24.8	
149 p-Dimethylamino azobenzene	225	9.986	9.986	0.000	94	307237	12.5	13.3	
150 Chlorobenzilate	139	10.039	10.039	0.000	87	608696	12.5	12.8	
152 3,3'-Dimethylbenzidine	212	10.313	10.313	0.000	99	1135135	12.5	13.8	
153 Butyl benzyl phthalate	149	10.342	10.342	0.000	93	829986	12.5	12.9	
155 2-Acetylaminofluorene	181	10.570	10.570	0.000	93	692033	12.5	12.6	
156 Benzo[a]anthracene	228	10.874	10.874	0.000	99	1733513	12.5	12.4	
157 3,3'-Dichlorobenzidine	252	10.874	10.874	0.000	76	676902	12.5	13.3	
158 4,4'-Methylene bis(2-chloroanil	231	10.885	10.885	0.000	95	357909	12.5	13.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
159 Chrysene	228	10.909	10.909	0.000	97	1677086	12.5	12.3	
160 Bis(2-ethylhexyl) phthalate	149	10.985	10.985	0.000	95	1133837	12.5	13.2	
S 94 Isosafrole	162				0		12.5	12.3	
161 6-Methylchrysene	242	11.434	11.434	0.000	99	1047848	12.5	12.1	
162 Di-n-octyl phthalate	149	11.773	11.773	0.000	99	1793603	12.5	13.5	
163 7,12-Dimethylbenz(a)anthracene	256	12.158	12.158	0.000	75	662484	12.5	13.5	
164 Benzo[b]fluoranthene	252	12.158	12.158	0.000	96	1659118	12.5	13.3	
165 Benzo[k]fluoranthene	252	12.193	12.193	0.000	99	1573020	12.5	12.2	
166 Benzo[a]pyrene	252	12.573	12.573	0.000	78	1511586	12.5	12.7	
* 167 Perylene-d12	264	12.649	12.649	0.000	98	513065	5.00	5.00	
168 3-Methylcholanthrene	268	13.069	13.069	0.000	90	696910	12.5	13.0	
169 Dibenz[a,h]acridine	279	13.817	13.817	0.000	91	1125496	12.5	12.4	
170 Dibenz[a,j]acridine	279	13.887	13.887	0.000	96	1187479	12.5	12.9	
171 Indeno[1,2,3-cd]pyrene	276	14.109	14.109	0.000	99	1385690	12.5	12.7	
172 Dibenz(a,h)anthracene	278	14.155	14.155	0.000	94	1322268	12.5	12.8	
173 Benzo[g,h,i]perylene	276	14.465	14.465	0.000	98	1443910	12.5	12.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_6_00068 Amount Added: 1.00 Units: mL

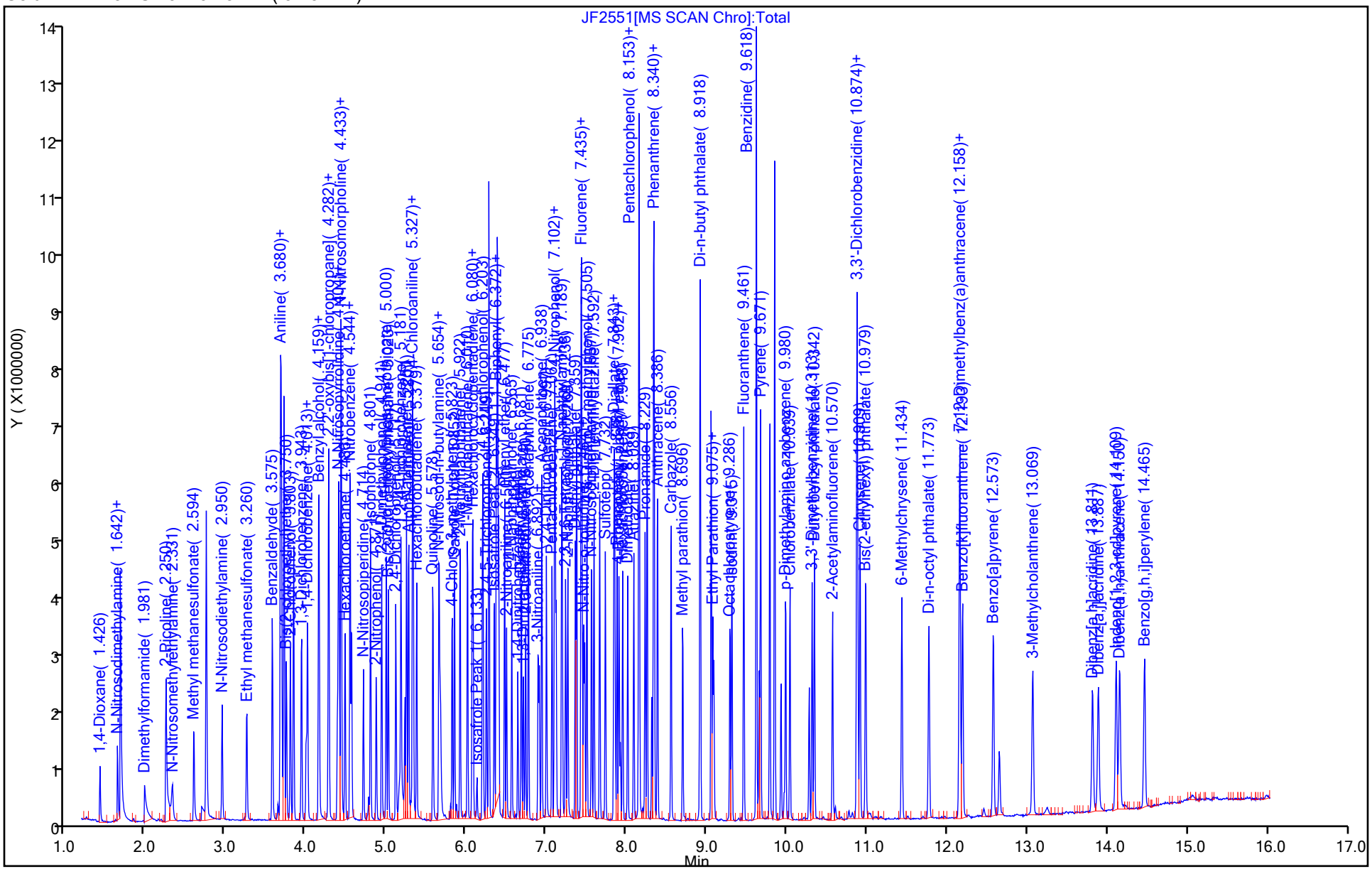
Report Date: 26-Jun-2025 10:29:36 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2551.D

Injection Date:	25-Jun-2025 23:02:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	ICIS L6			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

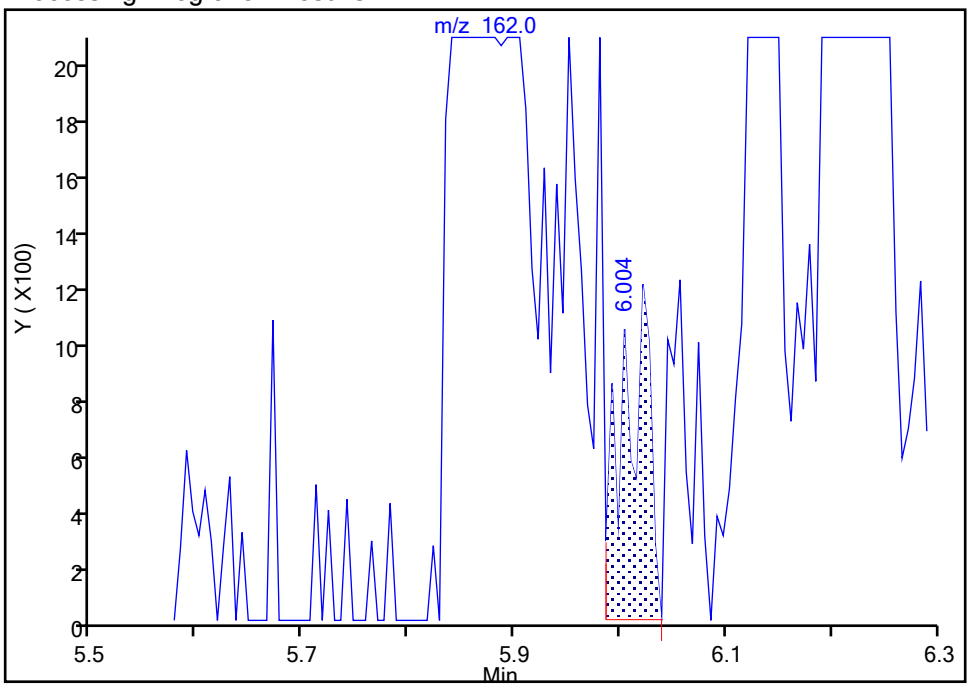
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2551.D				
Injection Date:	25-Jun-2025 23:02:30	Instrument ID:	HP23264		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

66 Safrole, Total, CAS: 94-59-7

Signal: 1

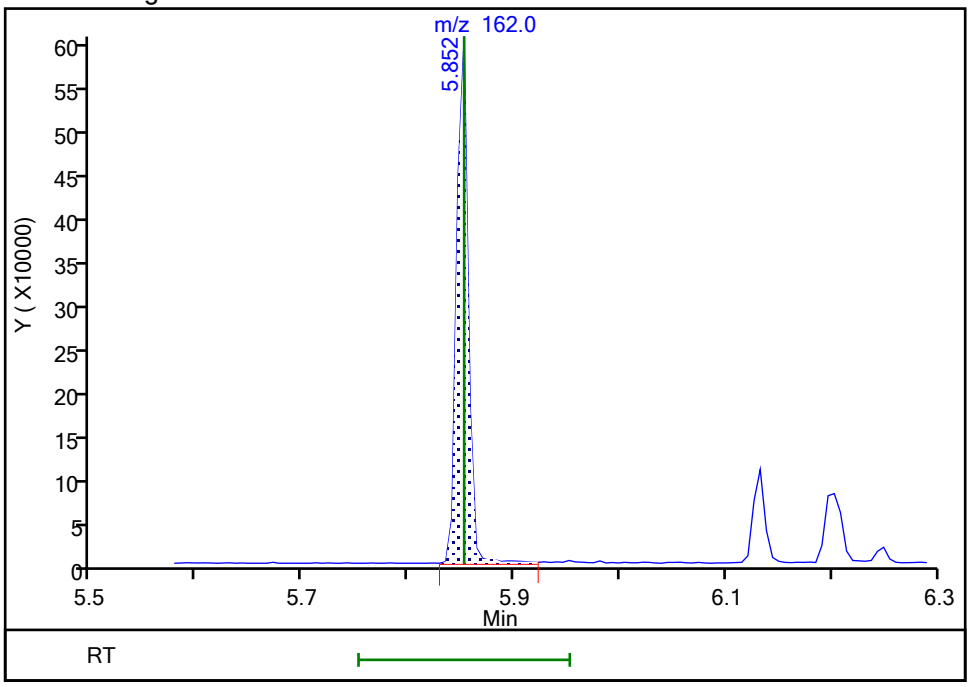
Processing Integration Results

RT: 6.00
Area: 2029
Amount: 9.368527
Amount Units: ug/ml



Manual Integration Results

RT: 5.85
Area: 460454
Amount: 12.639954
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 01:57:22 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

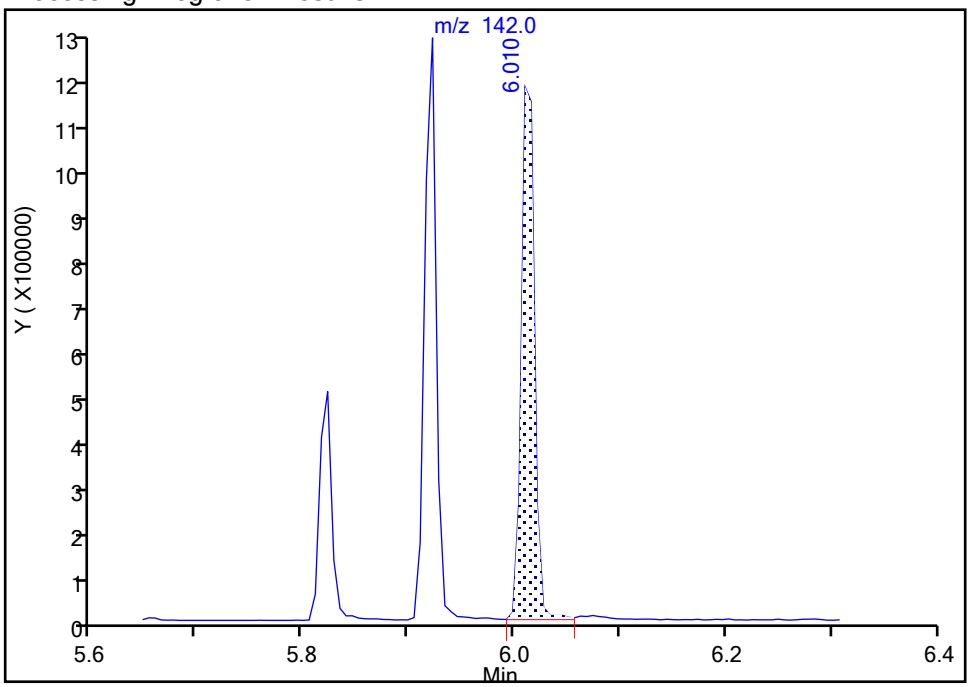
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2551.D				
Injection Date:	25-Jun-2025 23:02:30	Instrument ID:	HP23264		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

67 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

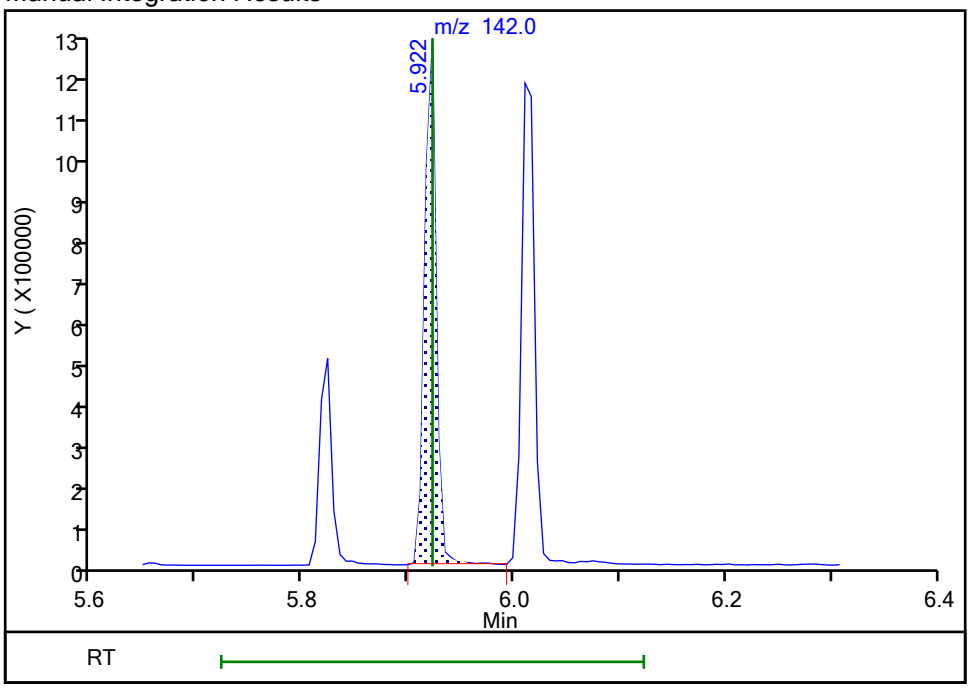
Processing Integration Results

RT: 6.01
Area: 1032575
Amount: 12.233084
Amount Units: ug/ml



Manual Integration Results

RT: 5.92
Area: 999658
Amount: 12.716601
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 01:57:29 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

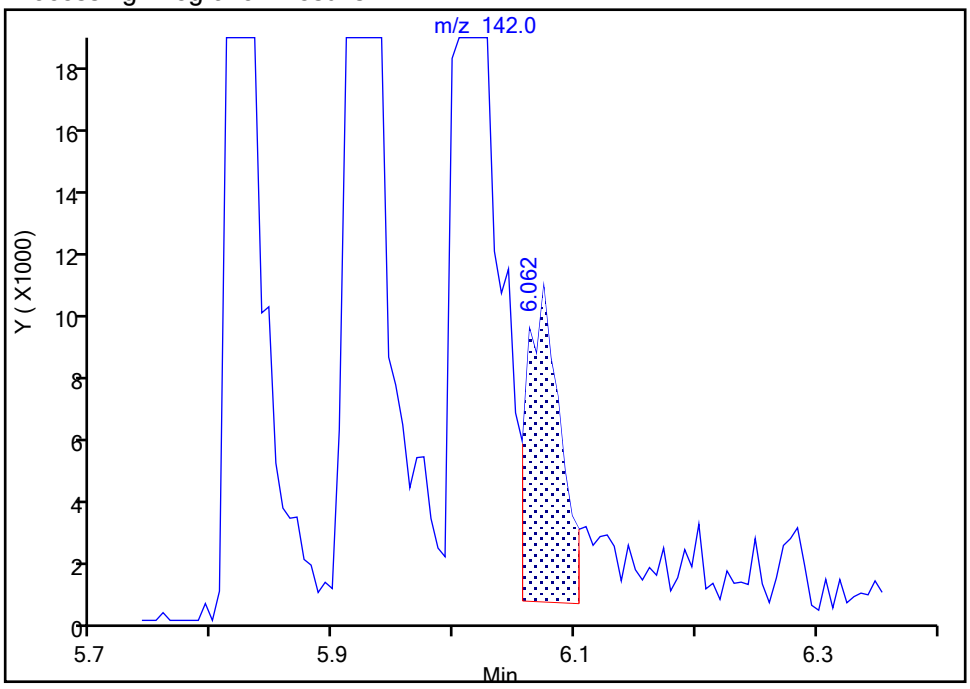
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2551.D				
Injection Date:	25-Jun-2025 23:02:30	Instrument ID:	HP23264		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

69 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

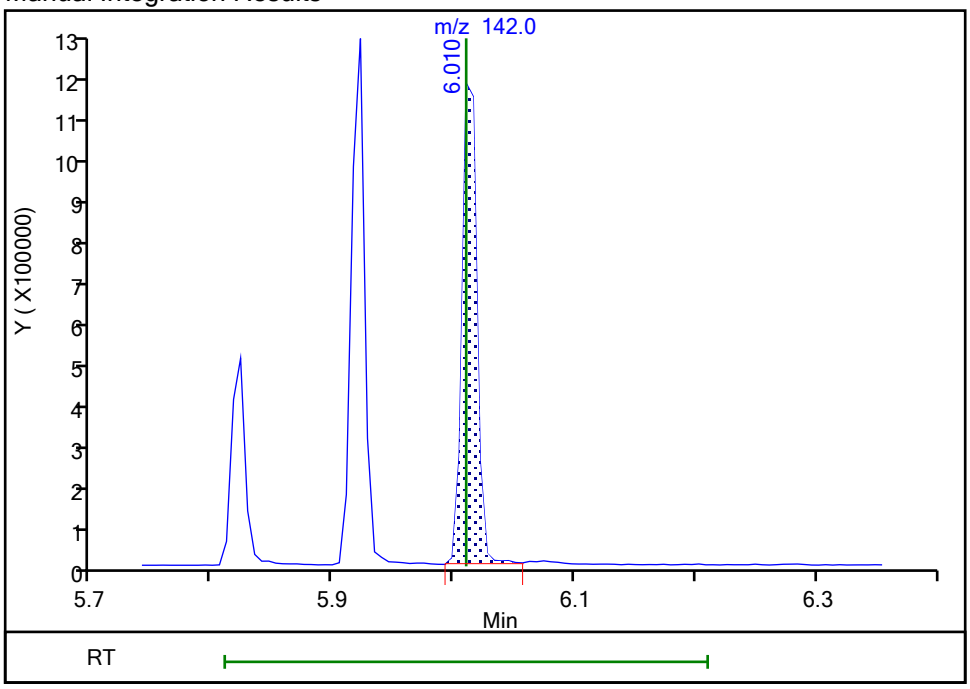
Processing Integration Results

RT: 6.06
Area: 18434
Amount: 13.854375
Amount Units: ug/ml



Manual Integration Results

RT: 6.01
Area: 1032575
Amount: 11.994581
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 01:57:48 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

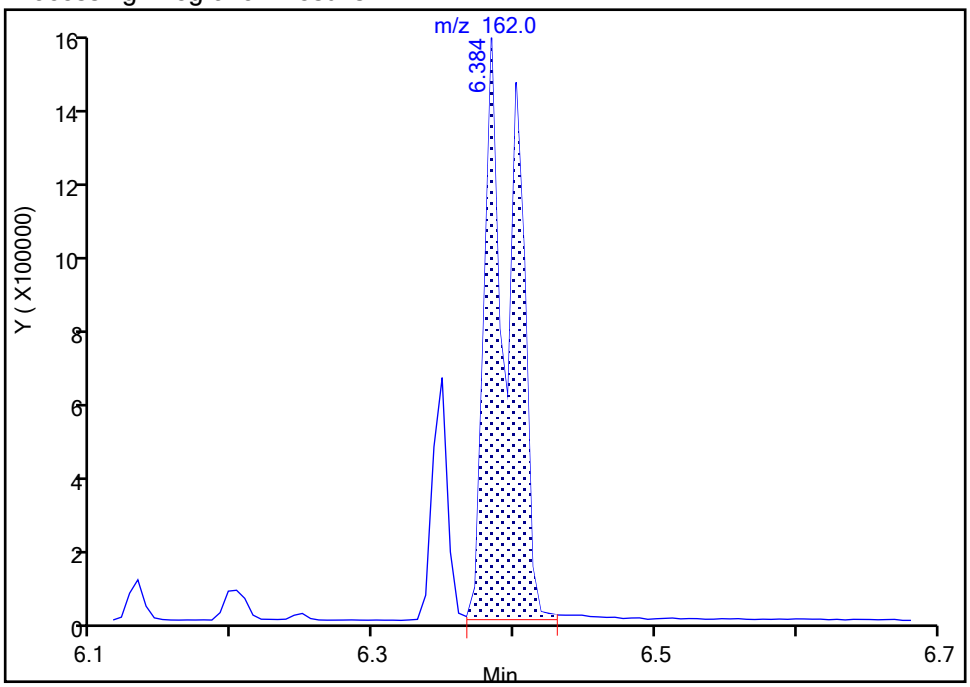
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2551.D				
Injection Date:	25-Jun-2025 23:02:30	Instrument ID:	HP23264		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

84 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

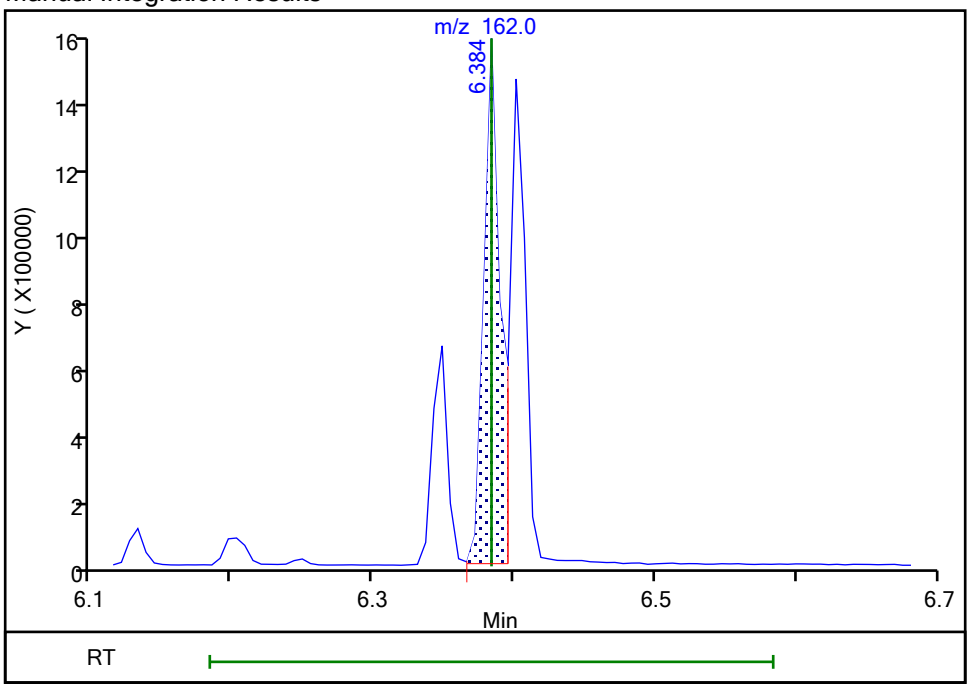
Processing Integration Results

RT: 6.38
Area: 2200550
Amount: 14.322132
Amount Units: ug/ml



Manual Integration Results

RT: 6.38
Area: 1204048
Amount: 13.450136
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 01:58:02 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

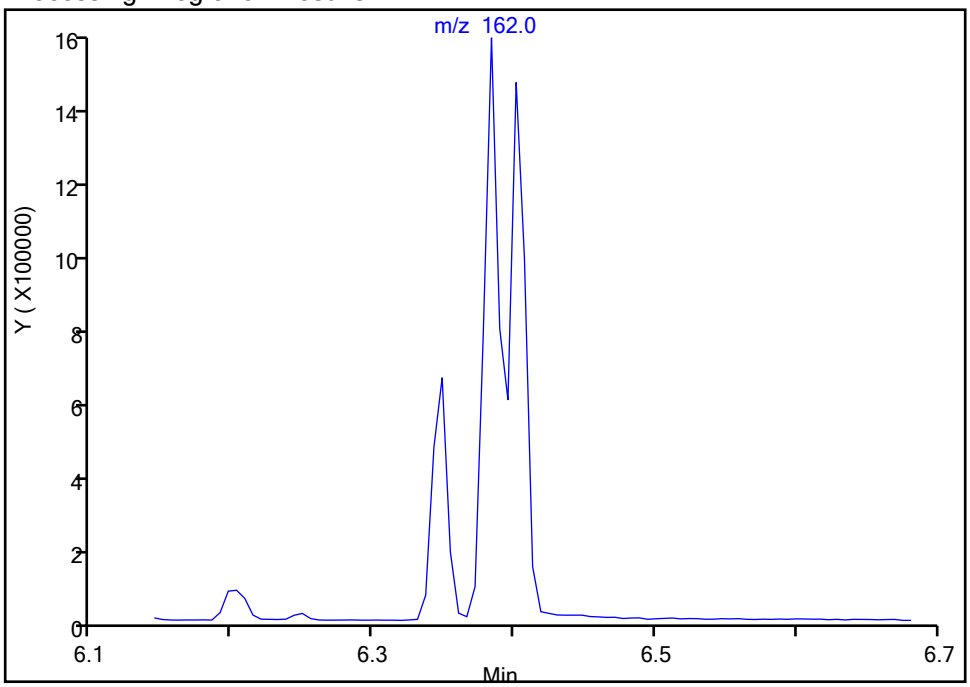
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2551.D				
Injection Date:	25-Jun-2025 23:02:30	Instrument ID:	HP23264		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

85 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

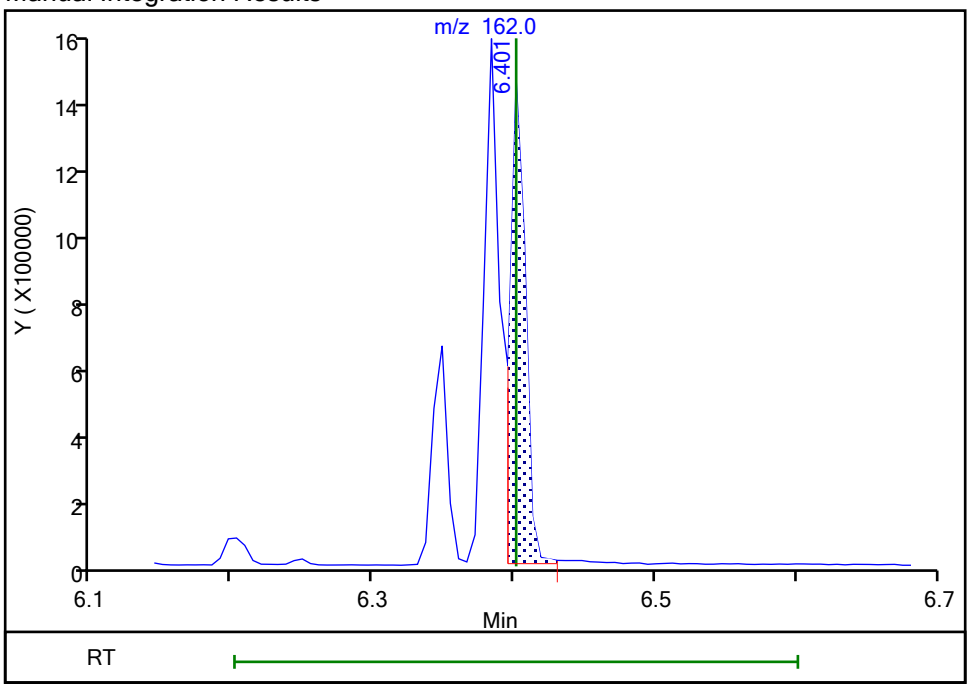
Not Detected
Expected RT: 6.40

Processing Integration Results



Manual Integration Results

RT: 6.40
Area: 996500
Amount: 10.886520
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 01:58:09 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2552.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 25-Jun-2025 23:30:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8
Misc. Info.: 410-0151575-003
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub57

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:30:01 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:40:39

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.426	1.426	0.000	98	665687	30.0	29.8	
	2 N-Nitrosodimethylamine	74	1.648	1.642	0.006	95	1274364	30.0	33.9	
	3 Pyridine	79	1.677	1.677	0.000	94	3851883	60.0	57.3	
	4 Dimethylformamide	73	1.969	1.981	-0.012	97	1414685	30.0	32.5	
	5 2-Picoline	93	2.244	2.250	-0.006	93	1933852	30.0	33.1	
	6 N-Nitrosomethylethylamine	88	2.331	2.331	0.000	96	835589	30.0	30.6	
	7 Methyl methanesulfonate	80	2.600	2.594	0.006	86	1353462	30.0	31.7	
$	9 2-Fluorophenol	112	2.758	2.752	0.006	96	3053156	60.0	67.8	
	11 N-Nitrosodiethylamine	102	2.956	2.950	0.006	92	846538	30.0	31.2	
	12 Ethyl methanesulfonate	109	3.260	3.260	0.000	94	874895	30.0	33.4	
	13 Benzaldehyde	77	3.575	3.575	0.000	89	1640709	30.0	28.5	
$	15 Phenol-d5	99	3.686	3.680	0.006	95	4627479	60.0	68.6	
	17 Aniline	93	3.692	3.686	0.006	87	2967686	30.0	34.1	
	16 Phenol	94	3.698	3.692	0.006	96	2675647	30.0	33.8	
	18 Bis(2-chloroethyl)ether	93	3.756	3.750	0.006	88	1798178	30.0	31.5	
	19 2-Chlorophenol	128	3.803	3.803	0.000	89	1434694	30.0	32.2	
	21 1,3-Dichlorobenzene	146	3.943	3.943	0.000	94	1659401	30.0	31.5	
*	22 1,4-Dichlorobenzene-d4	152	4.001	4.001	0.000	96	184315	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.019	4.013	0.006	88	1656995	30.0	31.0	
	26 Benzyl alcohol	108	4.159	4.153	0.006	88	1162198	30.0	33.9	
	27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	91	1575368	30.0	31.5	
	30 2,2'-oxybis[1-chloropropane]	45	4.276	4.282	-0.006	92	3180650	30.0	30.5	
	29 2-Methylphenol	108	4.287	4.282	0.005	94	1608728	30.0	31.8	
	31 N-Nitrosopyrrolidine	100	4.398	4.387	0.011	88	977350	30.0	32.5	
	32 Acetophenone	105	4.404	4.404	0.000	88	2561003	30.0	31.2	
	33 N-Nitrosodi-n-propylamine	70	4.422	4.410	0.012	86	1690415	30.0	31.5	
	35 N-Nitrosomorpholine	56	4.439	4.428	0.011	62	1395542	30.0	32.9	
	34 4-Methylphenol	108	4.439	4.433	0.006	82	1789595	30.0	33.2	
	36 2-Toluidine	106	4.439	4.439	0.000	80	2650822	30.0	30.8	
	37 Hexachloroethane	117	4.486	4.486	0.000	94	772860	30.0	29.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.550	4.544	0.006	88	4764977	60.0	65.0	
40 Nitrobenzene	77	4.568	4.568	0.000	87	2376513	30.0	31.2	
41 N-Nitrosopiperidine	114	4.720	4.714	0.006	80	803495	30.0	31.8	
42 Isophorone	82	4.807	4.801	0.006	98	4160998	30.0	31.6	
43 2-Nitrophenol	139	4.877	4.871	0.006	88	753322	30.0	34.0	
44 2,4-Dimethylphenol	107	4.941	4.941	0.000	98	1867225	30.0	34.3	
46 o,o',o''-Triethylphosphorothioat	198	5.000	5.000	0.000	92	768957	30.0	31.6	
47 Bis(2-chloroethoxy)methane	93	5.029	5.023	0.006	93	2435531	30.0	32.3	
49 2,4-Dichlorophenol	162	5.122	5.117	0.005	98	1385013	30.0	34.1	
50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	93	1568526	30.0	31.6	
* 52 Naphthalene-d8	136	5.233	5.233	0.000	98	614316	5.00	5.00	
53 Naphthalene	128	5.251	5.251	0.000	98	4066716	30.0	30.9	
55 Alpha-Terpineol	59	5.280	5.280	0.000	91	1929514	30.0	30.7	
56 4-Chloroaniline	127	5.327	5.327	0.000	90	1759696	30.0	34.1	
57 2,6-Dichlorophenol	162	5.333	5.327	0.006	92	1320561	30.0	31.7	
58 Hexachloropropene	213	5.338	5.338	0.000	98	1274212	30.0	32.0	
59 Hexachlorobutadiene	225	5.379	5.379	0.000	95	978841	30.0	31.2	
61 Quinoline	129	5.584	5.578	0.006	92	2769990	30.0	32.3	
63 N-Nitrosodi-n-butylamine	84	5.660	5.654	0.006	92	1462525	30.0	25.2	
62 Caprolactam	113	5.683	5.665	0.018	68	382978	30.0	31.8	
64 p-Phenylene diamine	108	5.683	5.677	0.006	88	1421602	30.0	33.4	
65 4-Chloro-3-methylphenol	107	5.823	5.823	0.000	92	1597780	30.0	31.0	
66 Safrole, Total	162	5.852	5.852	0.000	84	1155701	30.0	32.3	
67 2-Methylnaphthalene	142	5.922	5.922	0.000	90	2465948	30.0	32.0	
69 1-Methylnaphthalene	142	6.016	6.010	0.006	92	2558219	30.0	30.3	
71 Hexachlorocyclopentadiene	237	6.074	6.074	0.000	93	1335543	30.0	35.6	
70 1,2,4,5-Tetrachlorobenzene	216	6.086	6.080	0.006	95	1691185	30.0	32.0	
72 Isosafrole Peak 1	162	6.133	6.133	0.001	86	210952	4.80	5.17	
79 2,4,6-Trichlorophenol	196	6.208	6.208	0.000	96	1043535	30.0	35.5	
80 2,4,5-Trichlorophenol	196	6.249	6.249	0.000	92	1127120	30.0	34.4	
$ 81 2-Fluorobiphenyl (Surr)	172	6.284	6.278	0.006	99	6431191	60.0	63.6	e
82 Isosafrole Peak 2	162	6.349	6.349	0.000	87	1159665	25.2	26.4	
83 1,1'-Biphenyl	154	6.372	6.372	0.000	97	3346793	30.0	32.6	
84 2-Chloronaphthalene	162	6.384	6.384	0.000	97	2784888	30.0	32.5	
85 1-Chloronaphthalene	162	6.407	6.401	0.006	98	2719184	30.0	31.1	
86 Phenyl ether	170	6.477	6.477	0.000	89	1955818	30.0	30.6	
87 2-Nitroaniline	138	6.506	6.500	0.006	74	865970	30.0	35.7	
S 24 Dinitrotoluene	165				0		60.0	64.3	
88 1,4-Naphthoquinone	158	6.565	6.565	0.000	74	1026748	30.0	31.8	
89 1,4-Dinitrobenzene	168	6.646	6.641	0.006	85	440969	30.0	34.7	
90 Dimethyl phthalate	163	6.687	6.687	0.000	96	3263478	30.0	31.9	
91 1,3-Dinitrobenzene	168	6.716	6.711	0.005	80	459617	30.0	34.2	
92 2,6-Dinitrotoluene	165	6.740	6.740	0.000	84	701496	30.0	32.1	
93 Acenaphthylene	152	6.775	6.775	0.000	99	4386602	30.0	32.5	
95 3-Nitroaniline	138	6.897	6.897	0.000	86	746577	30.0	35.5	
* 96 Acenaphthene-d10	164	6.909	6.909	0.000	94	356297	5.00	5.00	
97 Acenaphthene	153	6.938	6.938	0.000	97	2795732	30.0	31.9	
98 2,4-Dinitrophenol	184	7.003	6.997	0.006	77	1012370	60.0	71.1	
99 Pentachlorobenzene	250	7.067	7.067	0.000	97	1384176	30.0	31.5	
100 4-Nitrophenol	109	7.102	7.096	0.006	65	1190740	60.0	70.8	
101 Dibenzofuran	168	7.108	7.108	0.000	90	3899612	30.0	31.9	
102 2,4-Dinitrotoluene	165	7.125	7.119	0.006	86	968107	30.0	32.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
104 1-Naphthylamine	143	7.189	7.189	0.000	98	2706916	30.0	34.2	
105 2,3,4,6-Tetrachlorophenol	232	7.242	7.236	0.006	74	930357	30.0	32.7	
106 2-Naphthylamine	143	7.265	7.265	0.000	95	2739088	30.0	33.2	
107 Diethyl phthalate	149	7.365	7.359	0.006	96	3191270	30.0	31.2	
108 Fluorene	166	7.429	7.429	0.000	92	3065336	30.0	32.8	
109 Thionazin	107	7.441	7.435	0.005	75	608359	30.0	32.2	
110 4-Chlorophenyl phenyl ether	204	7.446	7.440	0.006	95	1521434	30.0	30.3	
111 N-Nitro-o-toluidine	152	7.470	7.464	0.006	89	844861	30.0	32.4	
112 4-Nitroaniline	138	7.487	7.475	0.012	79	692425	30.0	34.2	
113 4,6-Dinitro-2-methylphenol	198	7.511	7.505	0.006	72	1271447	60.0	70.8	
114 N-Nitrosodiphenylamine	169	7.563	7.563	0.000	65	2111556	25.5	28.0	
115 1,2-Diphenylhydrazine	77	7.592	7.592	0.000	98	4607977	30.0	31.1	
$ 116 2,4,6-Tribromophenol	330	7.668	7.662	0.006	92	1146506	60.0	67.6	
117 Sulfotepp	97	7.732	7.732	0.000	77	790728	30.0	30.9	
120 cis-Diallate	86	7.838	7.838	0.000	99	1132232	22.2	22.6	
119 Phorate	75	7.849	7.849	0.000	93	4203214	30.0	33.4	
118 1,3,5-Trinitrobenzene	213	7.867	7.855	0.012	81	324999	30.0	34.7	a
121 Phenacetin	108	7.890	7.878	0.012	89	1879580	30.0	33.2	
122 4-Bromophenyl phenyl ether	248	7.908	7.902	0.006	71	930440	30.0	31.8	
123 trans-Diallate	86	7.919	7.919	0.000	97	397205	7.80	7.73	
124 Hexachlorobenzene	284	7.949	7.948	0.000	94	1074081	30.0	30.7	
125 Dimethoate	87	8.019	8.013	0.006	95	1592992	30.0	33.3	
126 Atrazine	200	8.094	8.089	0.005	87	796970	30.0	27.5	
127 Pentachlorophenol	266	8.153	8.153	0.000	90	1523354	60.0	70.7	
129 4-Aminobiphenyl	169	8.159	8.153	0.006	91	3285222	30.0	32.1	
128 Pentachloronitrobenzene	237	8.159	8.159	0.000	49	563024	30.0	32.2	
130 Pronamide	173	8.235	8.229	0.006	90	1622502	30.0	33.4	
* 131 Phenanthrene-d10	188	8.316	8.316	0.000	98	650020	5.00	5.00	
132 Phenanthrene	178	8.340	8.334	0.006	97	4348787	30.0	30.3	
133 Dinoseb	211	8.340	8.340	0.000	90	931314	30.0	34.9	
134 Disulfoton	88	8.346	8.346	0.000	97	2437935	30.0	31.7	
135 Anthracene	178	8.386	8.386	0.000	98	4537248	30.0	32.2	
136 Carbazole	167	8.556	8.556	0.000	96	4142790	30.0	32.9	
137 Methyl parathion	109	8.702	8.696	0.006	90	1221193	30.0	34.1	
138 Di-n-butyl phthalate	149	8.912	8.912	0.000	99	4937842	30.0	33.4	
139 Ethyl Parathion	109	9.075	9.075	0.000	81	733151	30.0	35.8	
140 4-Nitroquinoline-1-oxide	190	9.093	9.087	0.006	93	473081	30.0	38.0	
142 Octachlorostyrene	308	9.291	9.286	0.005	93	425505	30.0	32.0	
143 Isodrin	193	9.315	9.315	0.000	93	608661	30.0	29.0	
144 Fluoranthene	202	9.461	9.461	0.000	98	5154820	30.0	32.6	
145 Benzidine	184	9.624	9.618	0.006	98	8476034	90.0	92.6	e
S 68 Diallate	86				0		30.0	30.4	
* 146 Pyrene-d10 (IS)	212	9.654	9.653	0.001	97	698393	5.00	5.00	
147 Pyrene	202	9.671	9.671	0.000	97	5295846	30.0	31.0	
$ 148 p-Terphenyl-d14	244	9.846	9.846	0.000	99	5857441	60.0	62.1	
149 p-Dimethylamino azobenzene	225	9.986	9.986	0.000	92	750882	30.0	33.8	
150 Chlorobenzilate	139	10.039	10.039	0.000	87	1512757	30.0	33.1	
152 3,3'-Dimethylbenzidine	212	10.313	10.313	0.000	99	2603716	30.0	32.9	
153 Butyl benzyl phthalate	149	10.343	10.342	0.000	93	2017007	30.0	32.6	
155 2-Acetylaminofluorene	181	10.576	10.570	0.006	94	1794859	30.0	34.1	
156 Benzo[a]anthracene	228	10.874	10.874	0.000	99	4410443	30.0	32.7	
157 3,3'-Dichlorobenzidine	252	10.874	10.874	0.000	62	1643939	30.0	33.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
158 4,4'-Methylene bis(2-chloroanil	231	10.886	10.885	0.001	94	853064	30.0	32.4	
159 Chrysene	228	10.915	10.909	0.006	97	4022554	30.0	30.7	
160 Bis(2-ethylhexyl) phthalate	149	10.985	10.985	0.000	95	2845352	30.0	34.4	
S 94 Isosafrole	162				0		30.0	31.5	
161 6-Methylchrysene	242	11.440	11.434	0.006	99	2656089	30.0	31.8	
162 Di-n-octyl phthalate	149	11.773	11.773	0.000	99	4469717	30.0	36.0	
163 7,12-Dimethylbenz(a)anthracene	256	12.164	12.158	0.006	87	1642337	30.0	35.8	
164 Benzo[b]fluoranthene	252	12.164	12.158	0.006	96	3982953	30.0	34.3	
165 Benzo[k]fluoranthene	252	12.199	12.193	0.006	99	3788221	30.0	31.6	
166 Benzo[a]pyrene	252	12.579	12.573	0.006	77	3635938	30.0	32.8	
* 167 Perylene-d12	264	12.655	12.649	0.006	98	477609	5.00	5.00	
168 3-Methylcholanthrene	268	13.075	13.069	0.006	91	1706681	30.0	34.3	
169 Dibenz[a,h]acridine	279	13.823	13.817	0.006	91	2809067	30.0	33.2	
170 Dibenz[a,j]acridine	279	13.893	13.887	0.006	96	2845106	30.0	33.3	
171 Indeno[1,2,3-cd]pyrene	276	14.120	14.109	0.011	100	3357034	30.0	32.9	
172 Dibenz(a,h)anthracene	278	14.161	14.155	0.006	93	3133298	30.0	32.6	
173 Benzo[g,h,i]perylene	276	14.471	14.465	0.006	98	3322868	30.0	32.0	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Review Flags

a - User Assigned ID

Reagents:

MSS_RV8270_8_00044 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 10:30:02 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2552.D

Injection Date: 25-Jun-2025 23:30:30 Instrument ID: HP23264 Operator ID: IR93211

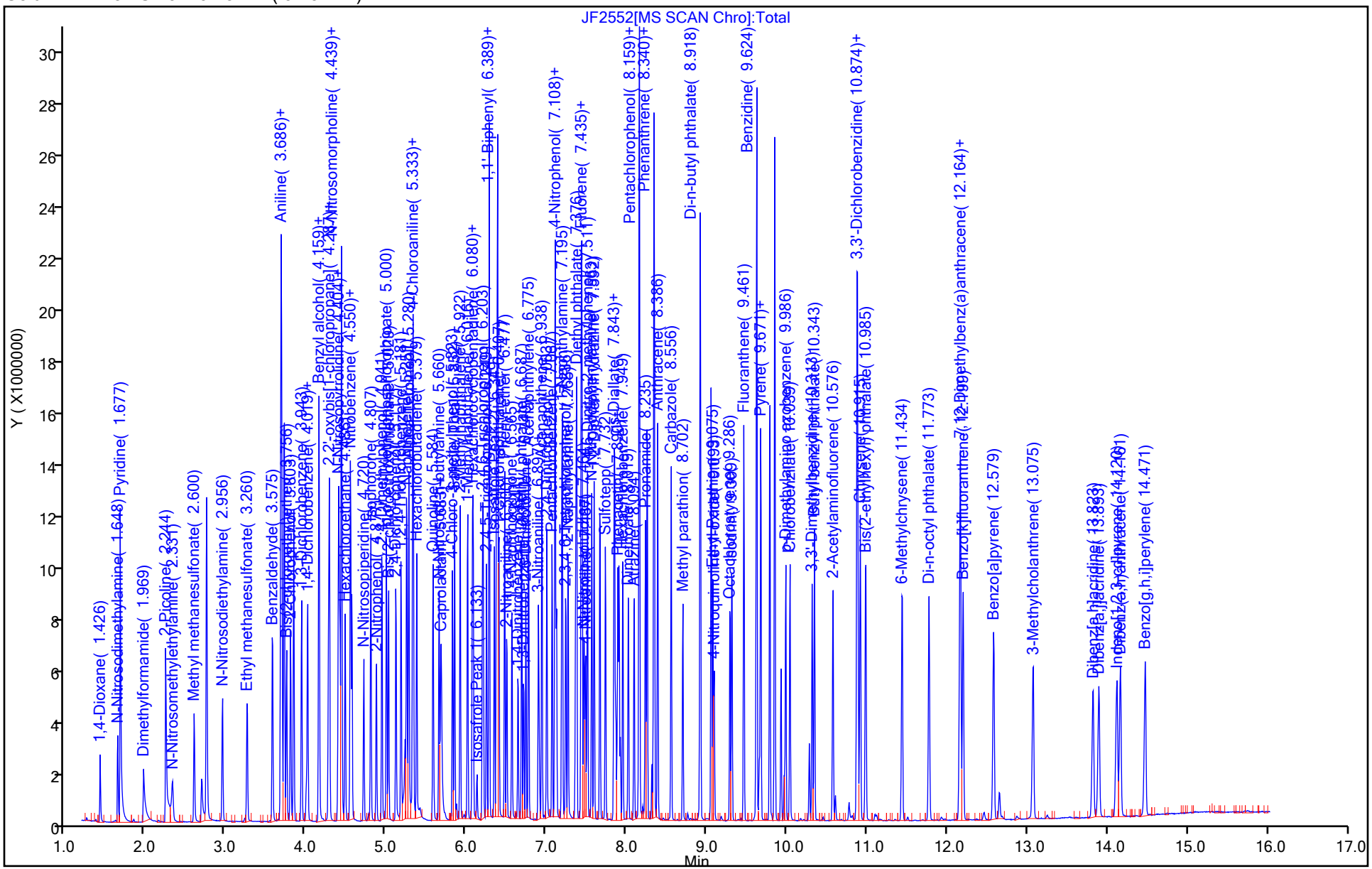
Lims ID: IC L8 Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

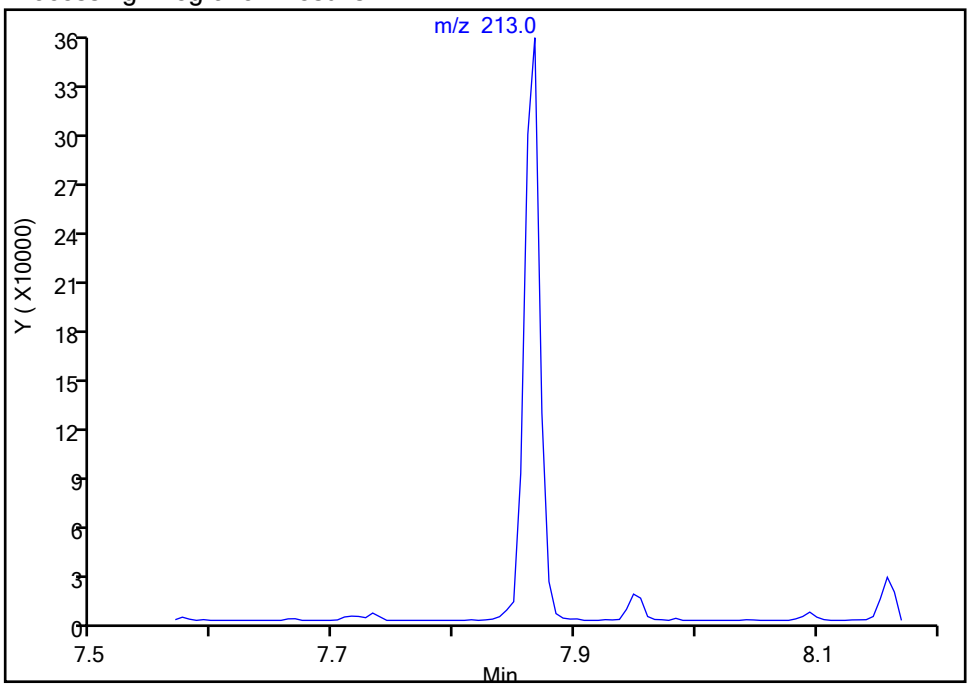
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2552.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP23264		
Lims ID:	IC L8				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

118 1,3,5-Trinitrobenzene, CAS: 99-35-4

Signal: 1

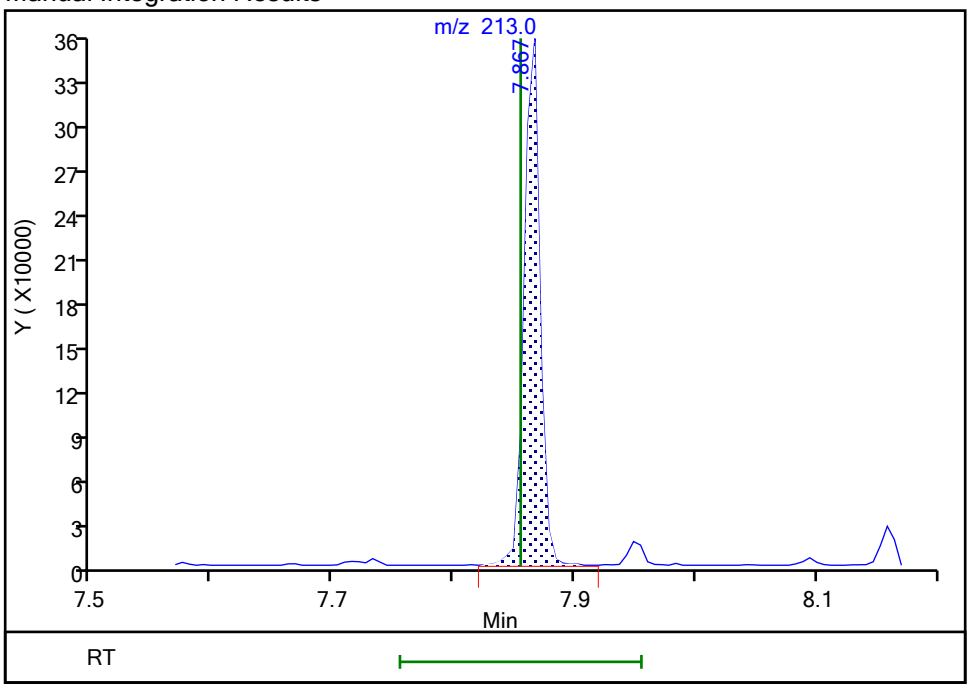
Not Detected
Expected RT: 7.86

Processing Integration Results



Manual Integration Results

RT: 7.87
Area: 324999
Amount: 34.748473
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:40:19 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2553.D
Lims ID: IC L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 25-Jun-2025 23:52:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7
Misc. Info.: 410-0151575-004
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub57

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:30:28 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:41:53

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.438	1.426	0.012	98	499005	20.0	18.4	
	2 N-Nitrosodimethylamine	74	1.654	1.642	0.012	94	929539	20.0	20.4	
	3 Pyridine	79	1.689	1.677	0.012	94	3110370	40.0	38.1	
	4 Dimethylformamide	73	1.975	1.981	-0.006	97	1159040	20.0	21.9	
	5 2-Picoline	93	2.250	2.250	0.000	93	1474755	20.0	20.8	
	6 N-Nitrosomethylethylamine	88	2.331	2.331	0.000	97	646904	20.0	19.5	
	7 Methyl methanesulfonate	80	2.600	2.594	0.006	86	1012809	20.0	19.5	
$	9 2-Fluorophenol	112	2.757	2.752	0.005	96	2306174	40.0	42.2	
	11 N-Nitrosodiethylamine	102	2.956	2.950	0.006	92	649289	20.0	19.7	
	12 Ethyl methanesulfonate	109	3.260	3.260	0.000	93	656905	20.0	20.7	
	13 Benzaldehyde	77	3.575	3.575	0.000	91	1387103	20.0	19.8	
$	15 Phenol-d5	99	3.680	3.680	0.000	95	3583368	40.0	43.8	
	17 Aniline	93	3.686	3.686	0.000	96	2285900	20.0	21.6	
	16 Phenol	94	3.692	3.692	0.000	92	2064460	20.0	21.5	
	18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	86	1354720	20.0	19.6	
	19 2-Chlorophenol	128	3.803	3.803	0.000	90	1101532	20.0	20.3	
	21 1,3-Dichlorobenzene	146	3.943	3.943	0.000	94	1248265	20.0	19.5	
*	22 1,4-Dichlorobenzene-d4	152	4.001	4.001	0.000	91	223839	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.013	4.013	0.000	89	1280424	20.0	19.7	
	26 Benzyl alcohol	108	4.153	4.153	0.000	87	873319	20.0	21.0	
	27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	91	1215287	20.0	20.0	
	30 2,2'-oxybis[1-chloropropane]	45	4.276	4.282	-0.006	92	2397943	20.0	18.9	
	29 2-Methylphenol	108	4.281	4.282	-0.001	95	1220715	20.0	19.9	
	31 N-Nitrosopyrrolidine	100	4.392	4.387	0.005	89	750695	20.0	20.6	
	32 Acetophenone	105	4.404	4.404	0.000	89	1939757	20.0	19.4	
	33 N-Nitrosodi-n-propylamine	70	4.416	4.410	0.006	83	1284854	20.0	19.7	
	35 N-Nitrosomorpholine	56	4.433	4.428	0.005	88	1075328	20.0	20.9	
	34 4-Methylphenol	108	4.433	4.433	0.000	83	1386451	20.0	21.2	
	36 2-Toluidine	106	4.439	4.439	0.000	86	2109313	20.0	20.2	
	37 Hexachloroethane	117	4.480	4.486	-0.006	94	588612	20.0	18.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.550	4.544	0.006	88	3608999	40.0	40.8	
40 Nitrobenzene	77	4.568	4.568	0.000	87	1820281	20.0	19.8	
41 N-Nitrosopiperidine	114	4.714	4.714	0.000	80	592707	20.0	19.5	
42 Isophorone	82	4.801	4.801	0.000	98	3168875	20.0	19.9	
43 2-Nitrophenol	139	4.871	4.871	0.000	89	565986	20.0	21.2	
44 2,4-Dimethylphenol	107	4.941	4.941	0.000	98	1399382	20.0	21.3	
46 o,o',o''-Triethylphosphorothioat	198	5.000	5.000	0.000	92	572551	20.0	19.5	
47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	93	1802176	20.0	19.8	
49 2,4-Dichlorophenol	162	5.116	5.117	-0.001	97	1036111	20.0	21.1	
50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	92	1211157	20.0	20.2	
* 52 Naphthalene-d8	136	5.233	5.233	0.000	99	741134	5.00	5.00	
53 Naphthalene	128	5.251	5.251	0.000	98	3061193	20.0	19.3	
55 Alpha-Terpineol	59	5.274	5.280	-0.006	90	1466891	20.0	19.4	
56 4-Chloroaniline	127	5.327	5.327	0.000	91	1376632	20.0	22.1	
57 2,6-Dichlorophenol	162	5.327	5.327	0.000	89	1021386	20.0	20.3	
58 Hexachloropropene	213	5.338	5.338	0.000	98	987734	20.0	20.6	
59 Hexachlorobutadiene	225	5.379	5.379	0.000	94	752686	20.0	19.9	
61 Quinoline	129	5.578	5.578	0.000	93	2114755	20.0	20.4	
63 N-Nitrosodi-n-butylamine	84	5.654	5.654	0.000	92	1443620	20.0	20.6	
62 Caprolactam	113	5.671	5.665	0.006	74	303603	20.0	20.9	
64 p-Phenylene diamine	108	5.677	5.677	0.000	92	1108645	20.0	21.6	
65 4-Chloro-3-methylphenol	107	5.823	5.823	0.000	92	1200703	20.0	19.3	
66 Safrole, Total	162	5.852	5.852	0.000	83	868132	20.0	20.1	
67 2-Methylnaphthalene	142	5.916	5.922	-0.006	91	1905955	20.0	20.5	
69 1-Methylnaphthalene	142	6.010	6.010	0.000	91	1968151	20.0	19.3	
71 Hexachlorocyclopentadiene	237	6.068	6.074	-0.006	94	1025764	20.0	21.0	
70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	97	1327820	20.0	19.3	
72 Isosafrole Peak 1	162	6.127	6.133	-0.005	85	156796	3.20	2.95	
79 2,4,6-Trichlorophenol	196	6.203	6.208	-0.005	96	782564	20.0	20.5	
80 2,4,5-Trichlorophenol	196	6.249	6.249	0.000	93	860016	20.0	20.2	
$ 81 2-Fluorobiphenyl (Surr)	172	6.278	6.278	0.000	100	5170755	40.0	39.3	
82 Isosafrole Peak 2	162	6.343	6.349	-0.006	87	890163	16.8	15.6	
83 1,1'-Biphenyl	154	6.372	6.372	0.000	96	2587338	20.0	19.3	
84 2-Chloronaphthalene	162	6.384	6.384	0.000	92	1925370	20.0	17.3	
85 1-Chloronaphthalene	162	6.401	6.401	0.000	98	2247631	20.0	19.7	
86 Phenyl ether	170	6.471	6.477	-0.006	90	1513913	20.0	18.2	
87 2-Nitroaniline	138	6.500	6.500	0.000	74	645828	20.0	20.5	
S 24 Dinitrotoluene	165				0		40.0	36.7	
88 1,4-Naphthoquinone	158	6.565	6.565	0.000	74	803970	20.0	19.1	
89 1,4-Dinitrobenzene	168	6.640	6.641	0.000	86	318608	20.0	19.2	
90 Dimethyl phthalate	163	6.687	6.687	0.000	96	2401768	20.0	18.0	
91 1,3-Dinitrobenzene	168	6.711	6.711	0.000	80	352942	20.0	20.2	
92 2,6-Dinitrotoluene	165	6.740	6.740	0.000	85	512547	20.0	18.0	
93 Acenaphthylene	152	6.775	6.775	0.000	99	3332556	20.0	19.0	
95 3-Nitroaniline	138	6.892	6.897	-0.005	86	550786	20.0	20.1	
* 96 Acenaphthene-d10	164	6.909	6.909	0.000	95	463888	5.00	5.00	
97 Acenaphthene	153	6.938	6.938	0.000	98	2096282	20.0	18.3	
98 2,4-Dinitrophenol	184	6.997	6.997	0.000	79	749213	40.0	40.4	
99 Pentachlorobenzene	250	7.067	7.067	0.000	97	1044055	20.0	18.3	
100 4-Nitrophenol	109	7.096	7.096	0.000	90	832035	40.0	38.0	
101 Dibenzofuran	168	7.102	7.108	-0.006	92	2901268	20.0	18.2	
102 2,4-Dinitrotoluene	165	7.119	7.119	0.000	87	730969	20.0	18.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
104 1-Naphthylamine	143	7.183	7.189	-0.006	98	1983079	20.0	19.3	
105 2,3,4,6-Tetrachlorophenol	232	7.236	7.236	0.000	73	706747	20.0	19.1	
106 2-Naphthylamine	143	7.265	7.265	0.000	94	1965566	20.0	18.3	
107 Diethyl phthalate	149	7.359	7.359	0.000	96	2386011	20.0	17.9	
108 Fluorene	166	7.429	7.429	0.000	92	2239404	20.0	18.4	
109 Thionazin	107	7.435	7.435	0.000	75	441753	20.0	17.9	
110 4-Chlorophenyl phenyl ether	204	7.440	7.440	0.000	94	1168015	20.0	17.8	
111 N-Nitro-o-toluidine	152	7.464	7.464	0.000	90	645792	20.0	19.0	
112 4-Nitroaniline	138	7.481	7.475	0.006	78	501254	20.0	19.0	
113 4,6-Dinitro-2-methylphenol	198	7.505	7.505	0.000	74	921137	40.0	43.3	
114 N-Nitrosodiphenylamine	169	7.557	7.563	-0.006	66	1552080	17.0	17.4	
115 1,2-Diphenylhydrazine	77	7.592	7.592	0.000	98	3372456	20.0	19.2	
$ 116 2,4,6-Tribromophenol	330	7.662	7.662	0.000	92	831632	40.0	37.7	
117 Sulfotepp	97	7.732	7.732	0.000	76	568332	20.0	18.8	
120 cis-Diallate	86	7.837	7.838	-0.001	92	860005	14.8	14.5	
119 Phorate	75	7.843	7.849	-0.006	93	3125321	20.0	21.0	
118 1,3,5-Trinitrobenzene	213	7.855	7.855	0.000	81	232539	20.0	21.0	
121 Phenacetin	108	7.884	7.878	0.006	90	1337992	20.0	20.0	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	69	691866	20.0	20.0	
123 trans-Diallate	86	7.919	7.919	0.000	98	301057	5.20	4.95	
124 Hexachlorobenzene	284	7.948	7.948	0.000	94	806099	20.0	19.5	
125 Dimethoate	87	8.013	8.013	0.000	96	1139182	20.0	20.1	
126 Atrazine	200	8.089	8.089	0.000	87	649680	20.0	18.9	
127 Pentachlorophenol	266	8.153	8.153	0.000	91	1089548	40.0	42.8	
129 4-Aminobiphenyl	169	8.153	8.153	0.000	91	2410809	20.0	19.9	
128 Pentachloronitrobenzene	237	8.159	8.159	0.000	85	405448	20.0	19.6	
130 Pronamide	173	8.229	8.229	0.000	89	1160537	20.0	20.2	
* 131 Phenanthrene-d10	188	8.310	8.316	-0.006	97	768983	5.00	5.00	
132 Phenanthrene	178	8.334	8.334	0.000	98	3263820	20.0	19.2	
133 Dinoseb	211	8.334	8.340	-0.006	86	660835	20.0	20.9	
134 Disulfoton	88	8.340	8.346	-0.006	97	1791094	20.0	19.7	
135 Anthracene	178	8.380	8.386	-0.006	98	3346448	20.0	20.1	
136 Carbazole	167	8.550	8.556	-0.006	96	2936824	20.0	19.7	
137 Methyl parathion	109	8.696	8.696	0.000	88	904385	20.0	21.3	
138 Di-n-butyl phthalate	149	8.912	8.912	0.000	99	3527135	20.0	20.2	
139 Ethyl Parathion	109	9.069	9.075	-0.006	81	521302	20.0	21.5	
140 4-Nitroquinoline-1-oxide	190	9.087	9.087	0.000	94	327442	20.0	22.3	
142 Octachlorostyrene	308	9.286	9.286	0.000	91	309280	20.0	19.7	
143 Isodrin	193	9.309	9.315	-0.006	93	464865	20.0	18.7	
144 Fluoranthene	202	9.461	9.461	0.000	98	3688303	20.0	19.7	
145 Benzidine	184	9.618	9.618	0.000	99	6782636	60.0	64.3	e
S 68 Diallate	86				0		20.0	19.5	
* 146 Pyrene-d10 (IS)	212	9.653	9.653	0.000	98	805087	5.00	5.00	
147 Pyrene	202	9.671	9.671	0.000	97	3721681	20.0	18.9	
$ 148 p-Terphenyl-d14	244	9.846	9.846	0.000	100	4141059	40.0	38.1	
149 p-Dimethylamino azobenzene	225	9.980	9.986	-0.006	92	534813	20.0	20.9	
150 Chlorobenzilate	139	10.033	10.039	-0.006	85	1048756	20.0	19.9	
152 3,3'-Dimethylbenzidine	212	10.313	10.313	0.000	99	1872229	20.0	20.5	
153 Butyl benzyl phthalate	149	10.337	10.342	-0.005	94	1391500	20.0	19.5	
155 2-Acetylaminofluorene	181	10.570	10.570	0.000	94	1258086	20.0	20.7	
156 Benzo[a]anthracene	228	10.868	10.874	-0.006	99	3132239	20.0	20.1	
157 3,3'-Dichlorobenzidine	252	10.874	10.874	0.000	77	1147433	20.0	20.3	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
158	4,4'-Methylene bis(2-chloroanil	231	10.880	10.885	-0.005	95	618350	20.0	20.4	
159	Chrysene	228	10.909	10.909	0.000	97	2809456	20.0	18.6	
160	Bis(2-ethylhexyl) phthalate	149	10.979	10.985	-0.006	95	1954646	20.0	20.5	
S 94	Isosafrole	162				0		20.0	18.5	
161	6-Methylchrysene	242	11.434	11.434	0.000	99	1837084	20.0	19.1	
162	Di-n-octyl phthalate	149	11.767	11.773	-0.006	99	3094510	20.0	21.8	
163	7,12-Dimethylbenz(a)anthracene	256	12.158	12.158	0.000	87	1151463	20.0	21.9	
164	Benzo[b]fluoranthene	252	12.153	12.158	-0.006	97	2740545	20.0	20.6	
165	Benzo[k]fluoranthene	252	12.193	12.193	0.000	99	2804979	20.0	20.4	
166	Benzo[a]pyrene	252	12.573	12.573	0.000	77	2595311	20.0	20.4	M
* 167	Perylene-d12	264	12.649	12.649	0.000	98	546787	5.00	5.00	
168	3-Methylcholanthrene	268	13.069	13.069	0.000	90	1195900	20.0	21.0	
169	Dibenz[a,h]acridine	279	13.811	13.817	-0.006	91	1950808	20.0	20.2	
170	Dibenz[a,j]acridine	279	13.887	13.887	0.000	96	2003999	20.0	20.5	
171	Indeno[1,2,3-cd]pyrene	276	14.109	14.109	0.000	99	2342745	20.0	20.1	
172	Dibenz(a,h)anthracene	278	14.149	14.155	-0.006	93	2227064	20.0	20.2	
173	Benzo[g,h,i]perylene	276	14.465	14.465	0.000	98	2376909	20.0	20.0	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_7_00045 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 10:30:29 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2553.D

Injection Date: 25-Jun-2025 23:52:30 Instrument ID: HP23264 Operator ID: IR93211

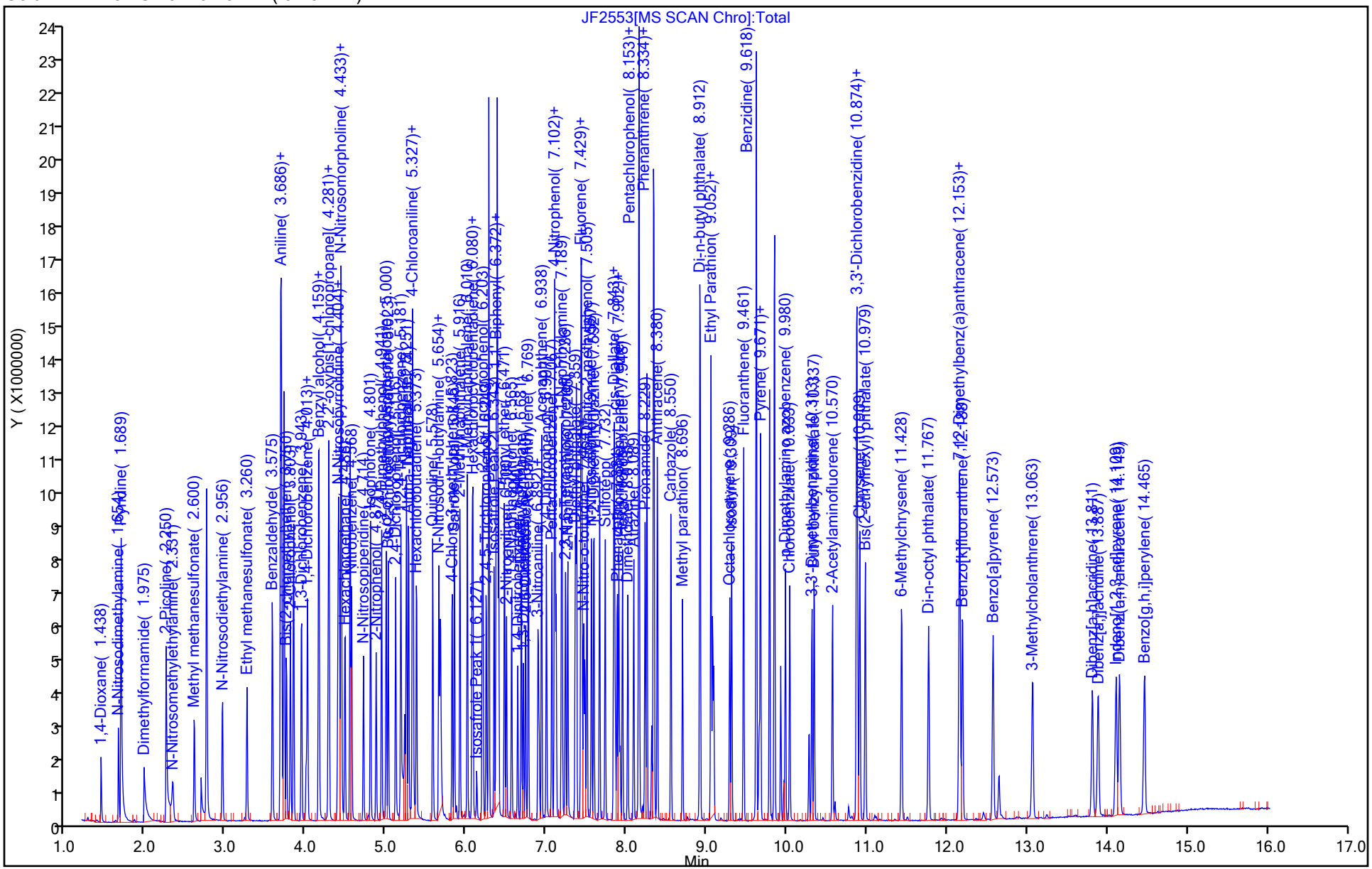
Lims ID: IC L7 Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

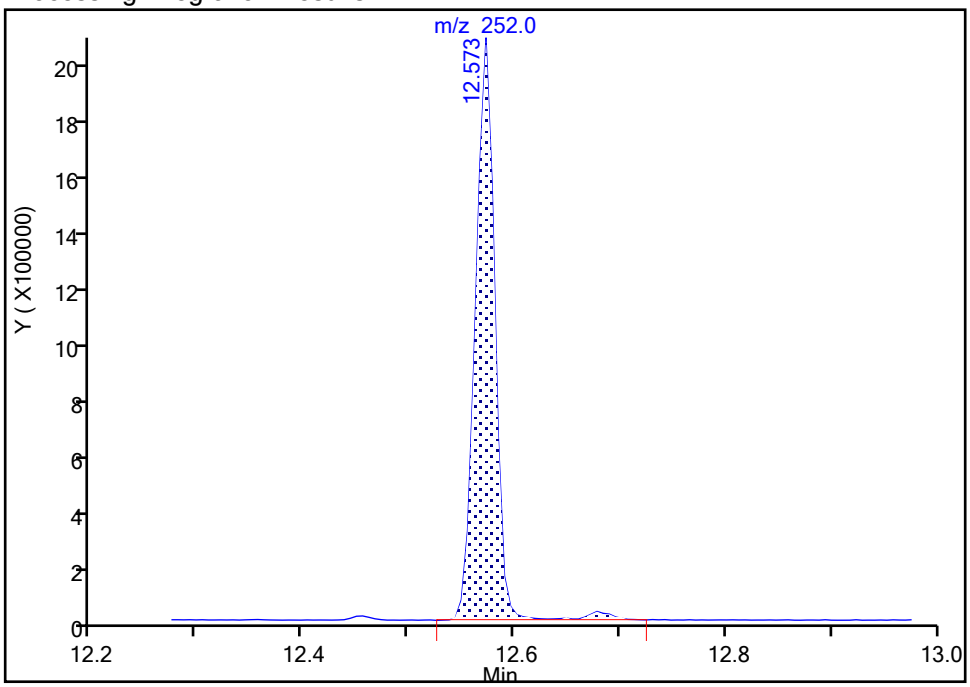
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2553.D				
Injection Date:	25-Jun-2025 23:52:30	Instrument ID:	HP23264		
Lims ID:	IC L7				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

166 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

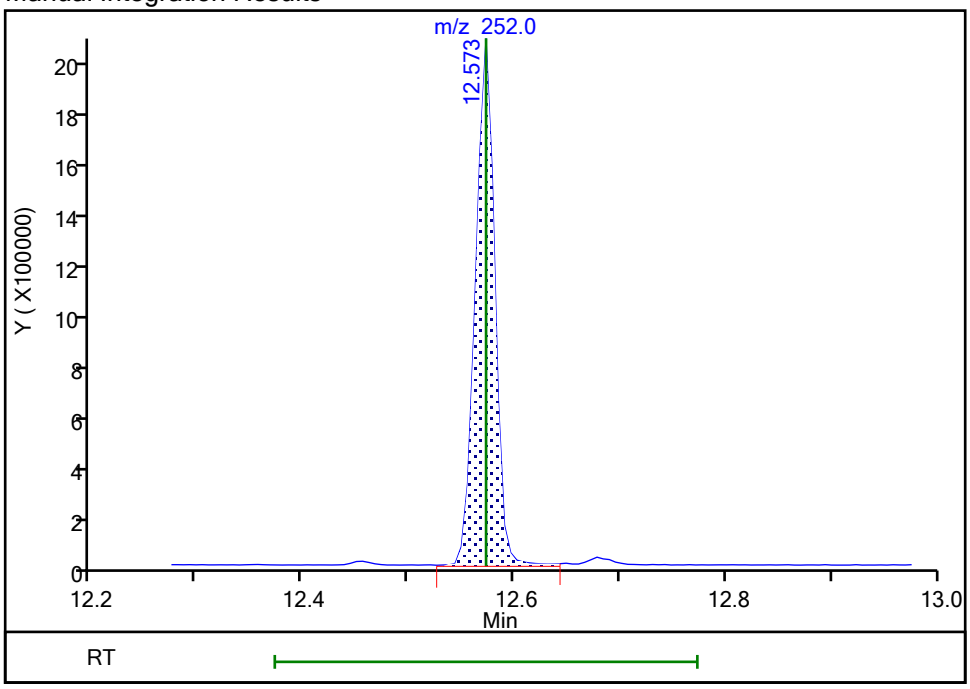
Processing Integration Results

RT: 12.57
Area: 2650208
Amount: 20.995673
Amount Units: ug/ml



Manual Integration Results

RT: 12.57
Area: 2595311
Amount: 20.425807
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:41:46 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2554.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 26-Jun-2025 00:13:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5
Misc. Info.: 410-0151575-005
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub57

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:30:54 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:43:17

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.426	1.426	0.000	97	152473	7.50	7.57	
	2 N-Nitrosodimethylamine	74	1.648	1.648	0.000	94	279426	7.50	8.26	
	3 Pyridine	79	1.683	1.683	0.000	95	867654	15.0	14.3	
	4 Dimethylformamide	73	1.998	1.998	0.000	98	296296	7.50	7.55	
	5 2-Picoline	93	2.249	2.249	0.000	93	398214	7.50	7.58	
	6 N-Nitrosomethylethylamine	88	2.325	2.325	0.000	96	181542	7.50	7.39	
	7 Methyl methanesulfonate	80	2.594	2.594	0.000	86	288932	7.50	7.51	
$	9 2-Fluorophenol	112	2.752	2.752	0.000	96	642452	15.0	15.9	
	11 N-Nitrosodiethylamine	102	2.944	2.944	0.000	88	168902	7.50	6.90	
	12 Ethyl methanesulfonate	109	3.254	3.254	0.000	94	185372	7.50	7.86	
	13 Benzaldehyde	77	3.575	3.575	0.000	89	412611	7.50	7.96	
$	15 Phenol-d5	99	3.674	3.674	0.000	95	979709	15.0	16.1	
	17 Aniline	93	3.686	3.686	0.000	75	634052	7.50	8.09	
	16 Phenol	94	3.686	3.686	0.000	79	575128	7.50	8.07	
	18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	88	391497	7.50	7.63	
	19 2-Chlorophenol	128	3.797	3.797	0.000	90	313423	7.50	7.81	
	21 1,3-Dichlorobenzene	146	3.937	3.937	0.000	94	358009	7.50	7.55	
*	22 1,4-Dichlorobenzene-d4	152	3.995	3.995	0.000	96	165942	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.013	4.013	0.000	90	374364	7.50	7.79	
	26 Benzyl alcohol	108	4.153	4.153	0.000	86	247352	7.50	8.02	
	27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	93	346862	7.50	7.70	
	30 2,2'-oxybis[1-chloropropane]	45	4.276	4.276	0.000	91	712305	7.50	7.58	
	29 2-Methylphenol	108	4.276	4.276	0.000	94	343508	7.50	7.54	
	31 N-Nitrosopyrrolidine	100	4.387	4.387	0.000	89	218175	7.50	8.06	
	32 Acetophenone	105	4.398	4.398	0.000	91	589556	7.50	7.97	
	33 N-Nitrosodi-n-propylamine	70	4.404	4.404	0.000	87	382193	7.50	7.92	
	35 N-Nitrosomorpholine	56	4.427	4.427	0.000	84	304591	7.50	7.97	
	34 4-Methylphenol	108	4.433	4.433	0.000	81	400364	7.50	8.24	
	36 2-Toluidine	106	4.433	4.433	0.000	83	606252	7.50	7.82	
	37 Hexachloroethane	117	4.480	4.480	0.000	93	172883	7.50	7.42	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.544	4.544	0.000	88	1045063	15.0	14.9	
40 Nitrobenzene	77	4.562	4.562	0.000	87	530798	7.50	7.27	
41 N-Nitrosopiperidine	114	4.708	4.708	0.000	81	180676	7.50	7.48	
42 Isophorone	82	4.795	4.795	0.000	98	914653	7.50	7.26	
43 2-Nitrophenol	139	4.871	4.871	0.000	85	155843	7.50	7.36	
44 2,4-Dimethylphenol	107	4.935	4.935	0.000	98	407306	7.50	7.81	
46 o,o',o''-Triethylphosphorothioat	198	4.994	4.994	0.000	93	169690	7.50	7.28	
47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	93	540479	7.50	7.48	
49 2,4-Dichlorophenol	162	5.116	5.116	0.000	97	300446	7.50	7.72	
50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	92	341308	7.50	7.18	
* 52 Naphthalene-d8	136	5.227	5.227	0.000	99	588044	5.00	5.00	
53 Naphthalene	128	5.251	5.251	0.000	98	936637	7.50	7.43	
55 Alpha-Terpineol	59	5.274	5.274	0.000	90	434573	7.50	7.23	
56 4-Chloroaniline	127	5.321	5.321	0.000	90	369752	7.50	7.48	
57 2,6-Dichlorophenol	162	5.327	5.327	0.000	91	285222	7.50	7.14	
58 Hexachloropropene	213	5.332	5.332	0.000	98	275552	7.50	7.23	
59 Hexachlorobutadiene	225	5.373	5.373	0.000	94	221026	7.50	7.37	
61 Quinoline	129	5.578	5.578	0.000	93	618550	7.50	7.52	
63 N-Nitrosodi-n-butylamine	84	5.654	5.654	0.000	84	411463	7.50	7.41	
62 Caprolactam	113	5.654	5.654	0.000	55	89932	7.50	7.80	
64 p-Phenylene diamine	108	5.671	5.671	0.000	93	289730	7.50	7.12	
65 4-Chloro-3-methylphenol	107	5.817	5.817	0.000	92	360230	7.50	7.30	
66 Safrole, Total	162	5.846	5.846	0.000	84	256680	7.50	7.50	
67 2-Methylnaphthalene	142	5.916	5.916	0.000	91	554526	7.50	7.51	
69 1-Methylnaphthalene	142	6.010	6.010	0.000	91	581816	7.50	7.19	
71 Hexachlorocyclopentadiene	237	6.068	6.068	0.000	93	291807	7.50	8.35	
70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	97	385243	7.50	7.81	
72 Isosafrole Peak 1	162	6.127	6.127	0.000	83	46267	1.20	1.22	
79 2,4,6-Trichlorophenol	196	6.202	6.202	0.000	96	229028	7.50	8.37	
80 2,4,5-Trichlorophenol	196	6.243	6.243	0.000	94	256749	7.50	8.41	
$ 81 2-Fluorobiphenyl (Surr)	172	6.278	6.278	0.000	100	1517727	15.0	16.1	
82 Isosafrole Peak 2	162	6.343	6.343	0.000	88	260930	6.30	6.37	
83 1,1'-Biphenyl	154	6.366	6.366	0.000	97	755975	7.50	7.89	
84 2-Chloronaphthalene	162	6.378	6.378	0.000	95	652593	7.50	8.18	M
85 1-Chloronaphthalene	162	6.395	6.395	0.000	98	595947	7.50	7.31	Ma
86 Phenyl ether	170	6.471	6.471	0.000	89	467357	7.50	7.84	
87 2-Nitroaniline	138	6.494	6.494	0.000	73	180565	7.50	7.99	
S 24 Dinitrotoluene	165				0		15.0	15.8	
88 1,4-Naphthoquinone	158	6.559	6.559	0.000	76	243936	7.50	8.11	
89 1,4-Dinitrobenzene	168	6.635	6.635	0.000	85	91941	7.50	7.75	
90 Dimethyl phthalate	163	6.681	6.681	0.000	96	719523	7.50	7.55	
91 1,3-Dinitrobenzene	168	6.705	6.705	0.000	79	104219	7.50	8.33	
92 2,6-Dinitrotoluene	165	6.734	6.734	0.000	86	159536	7.50	7.83	
93 Acenaphthylene	152	6.769	6.769	0.000	99	963213	7.50	7.66	
95 3-Nitroaniline	138	6.891	6.891	0.000	86	155207	7.50	7.91	
* 96 Acenaphthene-d10	164	6.903	6.903	0.000	95	332178	5.00	5.00	
97 Acenaphthene	153	6.932	6.932	0.000	98	641491	7.50	7.84	
98 2,4-Dinitrophenol	184	6.991	6.991	0.000	77	236010	17.5	17.8	
99 Pentachlorobenzene	250	7.061	7.061	0.000	98	315857	7.50	7.72	
100 4-Nitrophenol	109	7.090	7.090	0.000	91	248551	15.0	15.9	
101 Dibenzofuran	168	7.102	7.102	0.000	96	864466	7.50	7.58	
102 2,4-Dinitrotoluene	165	7.113	7.113	0.000	88	223204	7.50	7.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
104 1-Naphthylamine	143	7.183	7.183	0.000	97	570181	7.50	7.73	
105 2,3,4,6-Tetrachlorophenol	232	7.230	7.230	0.000	73	206972	7.50	7.80	
106 2-Naphthylamine	143	7.259	7.259	0.000	95	591426	7.50	7.68	
107 Diethyl phthalate	149	7.353	7.353	0.000	96	703074	7.50	7.36	
108 Fluorene	166	7.423	7.423	0.000	94	696306	7.50	7.99	
109 Thionazin	107	7.423	7.423	0.000	74	130474	7.50	7.40	
110 4-Chlorophenyl phenyl ether	204	7.440	7.440	0.000	92	358630	7.50	7.65	
111 N-Nitro-o-toluidine	152	7.458	7.458	0.000	89	191389	7.50	7.88	
112 4-Nitroaniline	138	7.470	7.470	0.000	78	149864	7.50	7.94	
113 4,6-Dinitro-2-methylphenol	198	7.499	7.499	0.000	74	270284	15.0	15.7	
114 N-Nitrosodiphenylamine	169	7.557	7.557	0.000	67	473917	6.38	6.54	
115 1,2-Diphenylhydrazine	77	7.586	7.586	0.000	98	1023251	7.50	7.19	
$ 116 2,4,6-Tribromophenol	330	7.656	7.656	0.000	93	249165	15.0	15.8	
117 Sulfotepp	97	7.726	7.726	0.000	76	170638	7.50	6.94	
120 cis-Diallate	86	7.832	7.832	0.000	98	254424	5.55	5.29	
119 Phorate	75	7.843	7.843	0.000	93	893497	7.50	7.39	
118 1,3,5-Trinitrobenzene	213	7.849	7.849	0.000	80	63693	7.50	7.09	
121 Phenacetin	108	7.872	7.872	0.000	90	405821	7.50	7.45	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	70	218245	7.50	7.78	
123 trans-Diallate	86	7.913	7.913	0.000	97	92493	1.95	1.87	
124 Hexachlorobenzene	284	7.942	7.942	0.000	95	255918	7.50	7.62	
125 Dimethoate	87	8.007	8.007	0.000	96	343214	7.50	7.46	
126 Atrazine	200	8.083	8.083	0.000	86	204045	7.50	7.32	
127 Pentachlorophenol	266	8.147	8.147	0.000	91	307942	15.0	14.9	
129 4-Aminobiphenyl	169	8.147	8.147	0.000	91	737284	7.50	7.49	
128 Pentachloronitrobenzene	237	8.153	8.153	0.000	81	127142	7.50	7.57	
130 Pronamide	173	8.223	8.223	0.000	89	355750	7.50	7.62	
* 131 Phenanthrene-d10	188	8.310	8.310	0.000	98	624422	5.00	5.00	
132 Phenanthrene	178	8.328	8.328	0.000	99	1015318	7.50	7.36	
133 Dinoseb	211	8.334	8.334	0.000	92	201940	7.50	7.88	
134 Disulfoton	88	8.340	8.340	0.000	97	542356	7.50	7.33	
135 Anthracene	178	8.380	8.380	0.000	99	1000810	7.50	7.39	
136 Carbazole	167	8.550	8.550	0.000	96	914121	7.50	7.55	
137 Methyl parathion	109	8.696	8.696	0.000	90	261626	7.50	7.60	
138 Di-n-butyl phthalate	149	8.906	8.906	0.000	99	1051286	7.50	7.40	
139 Ethyl Parathion	109	9.069	9.069	0.000	81	159989	7.50	8.13	
140 4-Nitroquinoline-1-oxide	190	9.081	9.081	0.000	78	81819	7.50	6.85	
142 Octachlorostyrene	308	9.285	9.285	0.000	89	94887	7.50	7.42	
143 Isodrin	193	9.309	9.309	0.000	92	137571	7.50	6.81	
144 Fluoranthene	202	9.455	9.455	0.000	98	1158877	7.50	7.64	
145 Benzidine	184	9.612	9.612	0.000	99	2155446	22.5	24.1	
S 68 Diallate	86				0		7.50	7.17	
* 146 Pyrene-d10 (IS)	212	9.647	9.647	0.000	98	681508	5.00	5.00	
147 Pyrene	202	9.665	9.665	0.000	97	1216456	7.50	7.30	
$ 148 p-Terphenyl-d14	244	9.840	9.840	0.000	99	1377103	15.0	15.0	
149 p-Dimethylamino azobenzene	225	9.980	9.980	0.000	94	165367	7.50	7.62	
150 Chlorobenzilate	139	10.033	10.033	0.000	87	336575	7.50	7.56	
152 3,3'-Dimethylbenzidine	212	10.307	10.307	0.000	99	599197	7.50	7.75	
153 Butyl benzyl phthalate	149	10.337	10.337	0.000	94	448371	7.50	7.43	
155 2-Acetylaminofluorene	181	10.564	10.564	0.000	94	359304	7.50	6.99	
156 Benzo[a]anthracene	228	10.868	10.868	0.000	99	998789	7.50	7.59	
157 3,3'-Dichlorobenzidine	252	10.868	10.868	0.000	73	368914	7.50	7.69	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
158 4,4'-Methylene bis(2-chloroanil	231	10.880	10.880	0.000	94	193466	7.50	7.54	
159 Chrysene	228	10.909	10.909	0.000	97	937720	7.50	7.33	
160 Bis(2-ethylhexyl) phthalate	149	10.979	10.979	0.000	95	610593	7.50	7.57	
S 94 Isosafrole	162				0		7.50	7.58	
161 6-Methylchrysene	242	11.428	11.428	0.000	98	576220	7.50	7.06	
162 Di-n-octyl phthalate	149	11.767	11.767	0.000	99	934741	7.50	7.23	
163 7,12-Dimethylbenz(a)anthracene	256	12.147	12.147	0.000	71	369098	7.50	7.72	
164 Benzo[b]fluoranthene	252	12.147	12.147	0.000	96	895621	7.50	7.40	
165 Benzo[k]fluoranthene	252	12.182	12.182	0.000	99	910584	7.50	7.28	
166 Benzo[a]pyrene	252	12.567	12.567	0.000	77	861099	7.50	7.44	
* 167 Perylene-d12	264	12.643	12.643	0.000	99	497844	5.00	5.00	
168 3-Methylcholanthrene	268	13.057	13.057	0.000	91	378319	7.50	7.30	
169 Dibenz[a,h]acridine	279	13.805	13.805	0.000	91	637671	7.50	7.24	
170 Dibenz[a,j]acridine	279	13.875	13.875	0.000	96	687777	7.50	7.73	
171 Indeno[1,2,3-cd]pyrene	276	14.103	14.103	0.000	99	797314	7.50	7.51	
172 Dibenz(a,h)anthracene	278	14.144	14.144	0.000	93	753211	7.50	7.52	
173 Benzo[g,h,i]perylene	276	14.453	14.453	0.000	98	812113	7.50	7.50	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_5_00054 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 10:30:56 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2554.D

Injection Date: 26-Jun-2025 00:13:30 Instrument ID: HP23264 Operator ID: IR93211

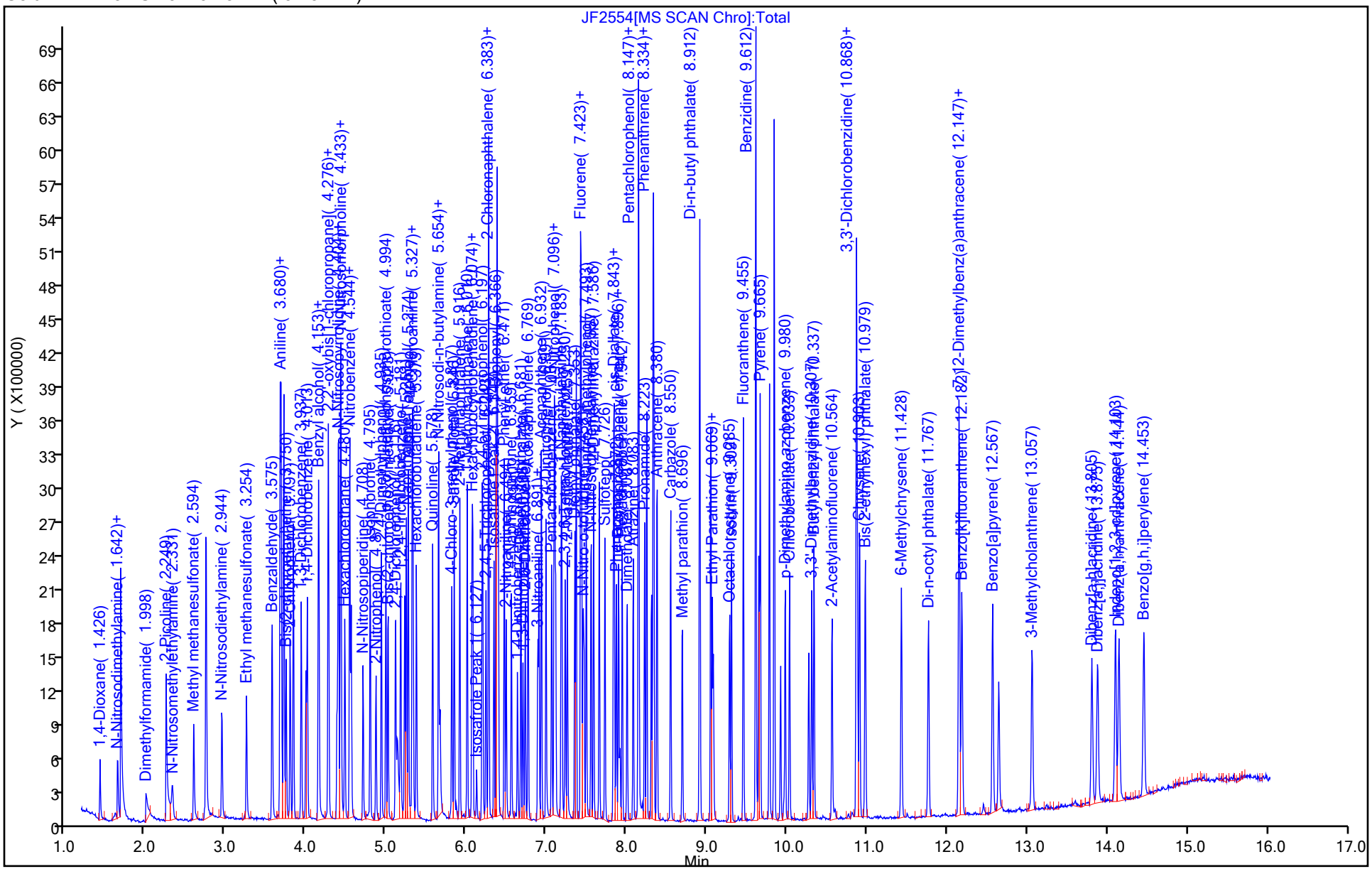
Lims ID: IC L5 Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

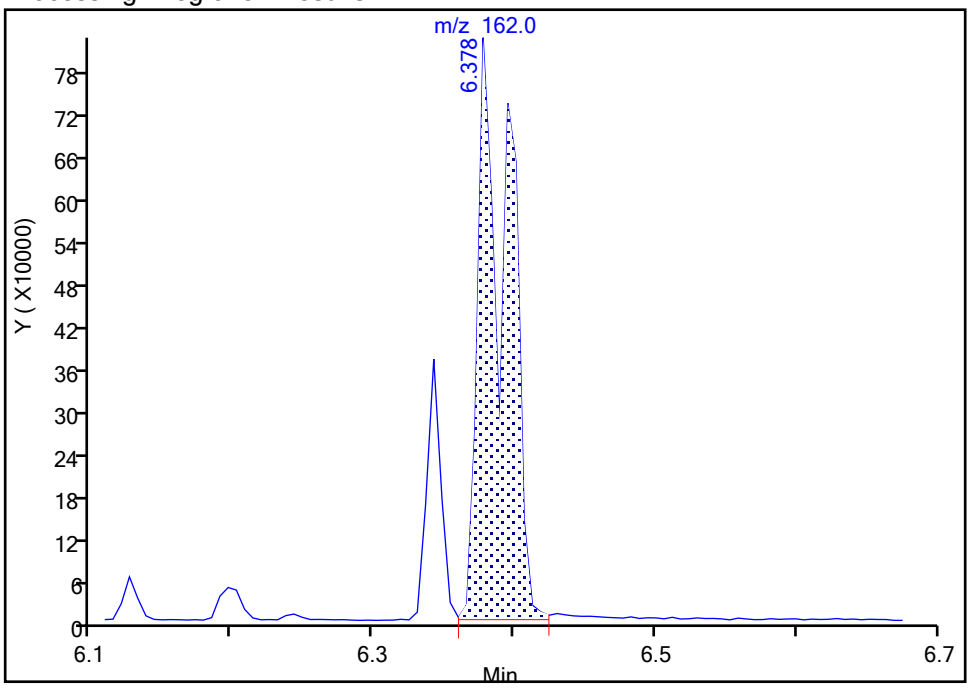
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2554.D				
Injection Date:	26-Jun-2025 00:13:30	Instrument ID:	HP23264		
Lims ID:	IC L5				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

84 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

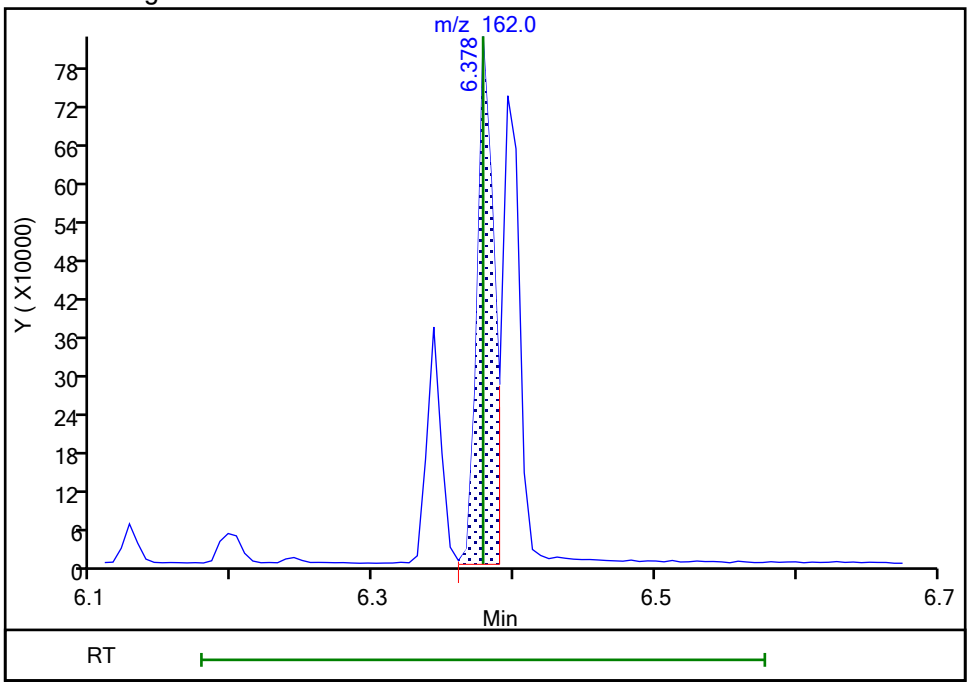
Processing Integration Results

RT: 6.38
Area: 1248541
Amount: 9.849473
Amount Units: ug/ml



Manual Integration Results

RT: 6.38
Area: 652593
Amount: 8.181122
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:42:47 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

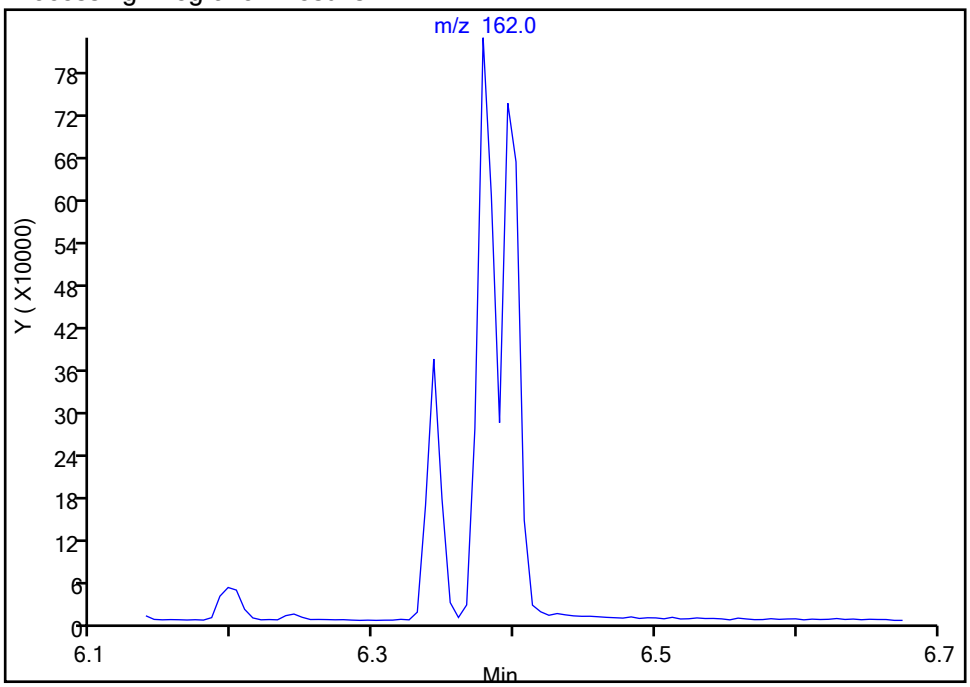
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2554.D				
Injection Date:	26-Jun-2025 00:13:30	Instrument ID:	HP23264		
Lims ID:	IC L5				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

85 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

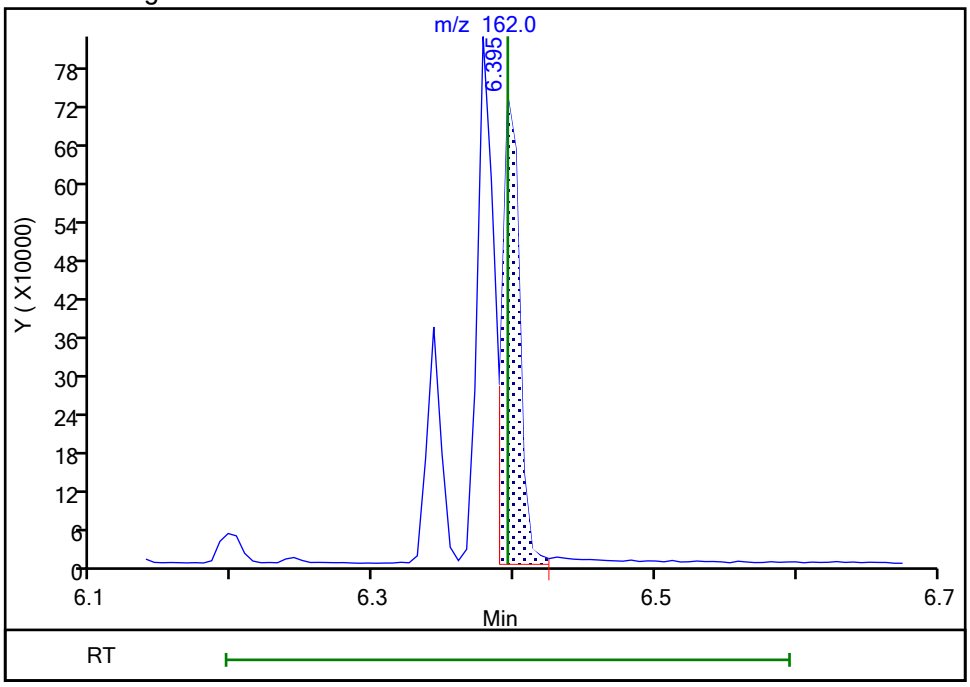
Not Detected
Expected RT: 6.40

Processing Integration Results



Manual Integration Results

RT: 6.40
Area: 595947
Amount: 7.306459
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:42:54 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2555.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 26-Jun-2025 00:34:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4
Misc. Info.: 410-0151575-006
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub57

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:31:22 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:44:42

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.426	1.426	0.000	96	77432	3.75	3.49	
	2 N-Nitrosodimethylamine	74	1.654	1.648	0.006	95	135702	3.75	3.64	
	3 Pyridine	79	1.689	1.683	0.006	93	478298	7.50	7.17	
	4 Dimethylformamide	73	2.034	1.998	0.036	94	151820	3.75	3.51	
	5 2-Picoline	93	2.255	2.249	0.006	92	214083	3.75	3.70	
	6 N-Nitrosomethylethylamine	88	2.331	2.325	0.006	96	101586	3.75	3.75	
	7 Methyl methanesulfonate	80	2.594	2.594	0.000	86	150229	3.75	3.54	
$	9 2-Fluorophenol	112	2.752	2.752	0.000	96	334932	7.50	7.49	
	11 N-Nitrosodiethylamine	102	2.944	2.944	0.000	90	89544	3.75	3.32	
	12 Ethyl methanesulfonate	109	3.254	3.254	0.000	92	96214	3.75	3.70	
	13 Benzaldehyde	77	3.575	3.575	0.000	91	214953	3.75	3.76	
$	15 Phenol-d5	99	3.674	3.674	0.000	95	520296	7.50	7.77	
	17 Aniline	93	3.686	3.686	0.000	75	336283	3.75	3.89	
	16 Phenol	94	3.686	3.686	0.000	77	293566	3.75	3.73	
	18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	85	203024	3.75	3.59	
	19 2-Chlorophenol	128	3.797	3.797	0.000	90	159802	3.75	3.61	
	21 1,3-Dichlorobenzene	146	3.937	3.937	0.000	93	192112	3.75	3.67	
*	22 1,4-Dichlorobenzene-d4	152	3.996	3.995	0.001	95	183040	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.013	4.013	0.000	90	197637	3.75	3.73	
	26 Benzyl alcohol	108	4.153	4.153	0.000	86	124840	3.75	3.67	
	27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	92	187634	3.75	3.77	
	30 2,2'-oxybis[1-chloropropane]	45	4.276	4.276	0.000	93	373508	3.75	3.60	
	29 2-Methylphenol	108	4.276	4.276	0.000	95	176834	3.75	3.52	
	31 N-Nitrosopyrrolidine	100	4.381	4.387	-0.006	88	109781	3.75	3.68	
	32 Acetophenone	105	4.398	4.398	0.000	89	299102	3.75	3.67	
	33 N-Nitrosodi-n-propylamine	70	4.404	4.404	0.000	86	190344	3.75	3.58	
	35 N-Nitrosomorpholine	56	4.422	4.427	-0.005	87	158124	3.75	3.75	
	34 4-Methylphenol	108	4.433	4.433	0.000	81	206538	3.75	3.85	
	36 2-Toluidine	106	4.433	4.433	0.000	83	314959	3.75	3.68	
	37 Hexachloroethane	117	4.480	4.480	0.000	94	92494	3.75	3.60	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.539	4.544	-0.005	88	547671	7.50	7.34	
40 Nitrobenzene	77	4.562	4.562	0.000	87	277696	3.75	3.58	
41 N-Nitrosopiperidine	114	4.708	4.708	0.000	80	92377	3.75	3.59	
42 Isophorone	82	4.795	4.795	0.000	98	486555	3.75	3.63	
43 2-Nitrophenol	139	4.871	4.871	0.000	88	82690	3.75	3.67	
44 2,4-Dimethylphenol	107	4.936	4.935	0.001	96	206696	3.75	3.73	
46 o,o',o''-Triethylphosphorothioat	198	4.994	4.994	0.000	92	92582	3.75	3.74	
47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	93	288419	3.75	3.75	
49 2,4-Dichlorophenol	162	5.117	5.116	0.001	97	148232	3.75	3.58	
50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	92	176061	3.75	3.48	
* 52 Naphthalene-d8	136	5.228	5.227	0.001	99	625435	5.00	5.00	
53 Naphthalene	128	5.245	5.251	-0.006	98	505943	3.75	3.77	
55 Alpha-Terpineol	59	5.274	5.274	0.000	91	228111	3.75	3.57	
56 4-Chloroaniline	127	5.321	5.321	0.000	91	193784	3.75	3.68	
57 2,6-Dichlorophenol	162	5.327	5.327	0.000	88	154746	3.75	3.64	
58 Hexachloropropene	213	5.333	5.332	0.001	98	144827	3.75	3.57	
59 Hexachlorobutadiene	225	5.374	5.373	0.001	95	116911	3.75	3.66	
61 Quinoline	129	5.578	5.578	0.000	92	330193	3.75	3.78	
63 N-Nitrosodi-n-butylamine	84	5.648	5.654	-0.006	84	219304	3.75	3.71	
62 Caprolactam	113	5.648	5.654	-0.006	52	43929	3.75	3.58	
64 p-Phenylene diamine	108	5.671	5.671	0.000	91	138852	3.75	3.21	
65 4-Chloro-3-methylphenol	107	5.817	5.817	0.000	92	186285	3.75	3.55	
66 Safrole, Total	162	5.846	5.846	0.000	82	132966	3.75	3.65	
67 2-Methylnaphthalene	142	5.917	5.916	0.001	90	295620	3.75	3.76	
69 1-Methylnaphthalene	142	6.010	6.010	0.000	92	314302	3.75	3.65	
71 Hexachlorocyclopentadiene	237	6.068	6.068	0.000	93	145049	3.75	3.58	
70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	96	199939	3.75	3.50	
72 Isosafrole Peak 1	162	6.127	6.127	0.000	87	26565	0.6000	0.6017	
79 2,4,6-Trichlorophenol	196	6.203	6.202	0.001	95	117055	3.75	3.69	
80 2,4,5-Trichlorophenol	196	6.244	6.243	0.001	93	137130	3.75	3.87	
$ 81 2-Fluorobiphenyl (Surr)	172	6.279	6.278	0.001	100	790653	7.50	7.23	
82 Isosafrole Peak 2	162	6.343	6.343	0.000	90	143363	3.15	3.02	
83 1,1'-Biphenyl	154	6.366	6.366	0.000	95	413610	3.75	3.72	
84 2-Chloronaphthalene	162	6.378	6.378	0.000	96	356527	3.75	3.85	M
85 1-Chloronaphthalene	162	6.395	6.395	0.000	99	317570	3.75	3.36	Ma
86 Phenyl ether	170	6.471	6.471	0.000	89	252152	3.75	3.64	
87 2-Nitroaniline	138	6.495	6.494	0.001	74	102523	3.75	3.91	
S 24 Dinitrotoluene	165				0		7.50	7.48	
88 1,4-Naphthoquinone	158	6.559	6.559	0.000	75	137615	3.75	3.95	
89 1,4-Dinitrobenzene	168	6.641	6.635	0.006	83	47963	3.75	3.49	
90 Dimethyl phthalate	163	6.681	6.681	0.000	96	403683	3.75	3.65	
91 1,3-Dinitrobenzene	168	6.705	6.705	0.000	80	56668	3.75	3.91	
92 2,6-Dinitrotoluene	165	6.734	6.734	0.000	87	86758	3.75	3.67	
93 Acenaphthylene	152	6.769	6.769	0.000	99	529333	3.75	3.63	
95 3-Nitroaniline	138	6.892	6.891	0.001	84	80645	3.75	3.55	
* 96 Acenaphthene-d10	164	6.903	6.903	0.000	95	385280	5.00	5.00	
97 Acenaphthene	153	6.933	6.932	0.001	98	342302	3.75	3.61	
98 2,4-Dinitrophenol	184	6.991	6.991	0.000	76	165949	11.3	10.8	
99 Pentachlorobenzene	250	7.061	7.061	0.000	97	168724	3.75	3.55	
100 4-Nitrophenol	109	7.096	7.090	0.006	84	127252	7.50	7.00	
101 Dibenzofuran	168	7.102	7.102	0.000	93	472330	3.75	3.57	
102 2,4-Dinitrotoluene	165	7.114	7.113	0.001	87	123718	3.75	3.81	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
104 1-Naphthylamine	143	7.184	7.183	0.001	98	315289	3.75	3.69	
105 2,3,4,6-Tetrachlorophenol	232	7.230	7.230	0.000	74	105391	3.75	3.42	
106 2-Naphthylamine	143	7.260	7.259	0.001	94	328150	3.75	3.68	
107 Diethyl phthalate	149	7.353	7.353	0.000	96	401975	3.75	3.63	
108 Fluorene	166	7.423	7.423	0.000	92	374075	3.75	3.70	
109 Thionazin	107	7.423	7.423	0.000	56	73592	3.75	3.60	
110 4-Chlorophenyl phenyl ether	204	7.441	7.440	0.001	94	189956	3.75	3.49	
111 N-Nitro-o-toluidine	152	7.452	7.458	-0.006	89	104751	3.75	3.72	
112 4-Nitroaniline	138	7.470	7.470	0.000	78	76988	3.75	3.52	
113 4,6-Dinitro-2-methylphenol	198	7.493	7.499	-0.006	70	132807	7.50	7.18	
114 N-Nitrosodiphenylamine	169	7.551	7.557	-0.006	67	262773	3.19	3.38	
115 1,2-Diphenylhydrazine	77	7.587	7.586	0.000	98	549772	3.75	3.61	
$ 116 2,4,6-Tribromophenol	330	7.657	7.656	0.001	91	135382	7.50	7.38	
117 Sulfotepp	97	7.727	7.726	0.001	75	96899	3.75	3.68	
120 cis-Diallate	86	7.832	7.832	0.000	98	141676	2.78	2.75	
119 Phorate	75	7.843	7.843	0.000	93	492626	3.75	3.81	
118 1,3,5-Trinitrobenzene	213	7.843	7.849	-0.006	70	36555	3.75	3.80	
121 Phenacetin	108	7.867	7.872	-0.005	90	215574	3.75	3.70	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	69	117589	3.75	3.91	
123 trans-Diallate	86	7.914	7.913	0.001	97	49923	0.9750	0.9440	
124 Hexachlorobenzene	284	7.943	7.942	0.001	93	134790	3.75	3.75	
125 Dimethoate	87	8.001	8.007	-0.006	95	190026	3.75	3.86	
126 Atrazine	200	8.083	8.083	0.000	87	113262	3.75	3.79	
127 Pentachlorophenol	266	8.141	8.147	-0.006	91	167498	7.50	7.56	
129 4-Aminobiphenyl	169	8.147	8.147	0.000	92	398031	3.75	3.77	
128 Pentachloronitrobenzene	237	8.153	8.153	0.000	57	67011	3.75	3.73	
130 Pronamide	173	8.223	8.223	0.000	89	194162	3.75	3.88	
* 131 Phenanthrene-d10	188	8.305	8.310	-0.005	98	668905	5.00	5.00	
132 Phenanthrene	178	8.328	8.328	0.000	98	548354	3.75	3.71	
133 Dinoseb	211	8.334	8.334	0.000	83	96935	3.75	3.53	
134 Disulfoton	88	8.340	8.340	0.000	97	309470	3.75	3.91	
135 Anthracene	178	8.381	8.380	0.001	99	557040	3.75	3.84	
136 Carbazole	167	8.550	8.550	0.000	96	498947	3.75	3.85	
137 Methyl parathion	109	8.690	8.696	-0.006	89	144074	3.75	3.90	
138 Di-n-butyl phthalate	149	8.906	8.906	0.000	99	566448	3.75	3.72	
139 Ethyl Parathion	109	9.070	9.069	0.001	80	82994	3.75	3.94	
140 4-Nitroquinoline-1-oxide	190	9.081	9.081	0.000	77	41295	3.75	3.23	
142 Octachlorostyrene	308	9.286	9.285	0.001	90	56405	3.75	4.12	
143 Isodrin	193	9.309	9.309	0.000	91	74964	3.75	3.47	
144 Fluoranthene	202	9.455	9.455	0.000	98	631104	3.75	3.88	
145 Benzidine	184	9.613	9.612	0.001	99	1136629	11.3	12.0	
* 146 Pyrene-d10 (IS)	212	9.648	9.647	0.001	98	720496	5.00	5.00	
S 68 Diallate	86				0		3.75	3.70	
147 Pyrene	202	9.665	9.665	0.000	97	670840	3.75	3.81	
$ 148 p-Terphenyl-d14	244	9.840	9.840	0.000	100	748028	7.50	7.69	
149 p-Dimethylamino azobenzene	225	9.981	9.980	0.001	92	85665	3.75	3.73	
150 Chlorobenzilate	139	10.033	10.033	0.000	89	181108	3.75	3.85	
152 3,3'-Dimethylbenzidine	212	10.308	10.307	0.001	99	331598	3.75	4.06	
153 Butyl benzyl phthalate	149	10.337	10.337	0.001	93	238649	3.75	3.74	
155 2-Acetylaminofluorene	181	10.559	10.564	-0.005	93	180030	3.75	3.31	
156 Benzo[a]anthracene	228	10.868	10.868	0.000	99	519801	3.75	3.73	
157 3,3'-Dichlorobenzidine	252	10.868	10.868	0.000	76	191731	3.75	3.78	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
158 4,4'-Methylene bis(2-chloroanil	231	10.880	10.880	0.000	95	99967	3.75	3.68	
159 Chrysene	228	10.903	10.909	-0.006	97	518182	3.75	3.83	
160 Bis(2-ethylhexyl) phthalate	149	10.973	10.979	-0.006	95	322622	3.75	3.78	
S 94 Isosafrole	162				0		3.75	3.62	
161 6-Methylchrysene	242	11.429	11.428	0.001	98	314153	3.75	3.64	
162 Di-n-octyl phthalate	149	11.761	11.767	-0.006	99	493662	3.75	3.55	
163 7,12-Dimethylbenz(a)anthracene	256	12.147	12.147	0.000	70	192308	3.75	3.74	
164 Benzo[b]fluoranthene	252	12.147	12.147	0.000	96	487701	3.75	3.75	
165 Benzo[k]fluoranthene	252	12.182	12.182	0.000	99	481575	3.75	3.58	
166 Benzo[a]pyrene	252	12.567	12.567	0.000	77	448774	3.75	3.61	
* 167 Perylene-d12	264	12.643	12.643	0.000	99	535203	5.00	5.00	
168 3-Methylcholanthrene	268	13.058	13.057	0.001	91	206346	3.75	3.70	
169 Dibenz[a,h]acridine	279	13.805	13.805	0.000	91	334484	3.75	3.53	
170 Dibenz[a,j]acridine	279	13.875	13.875	0.000	96	354304	3.75	3.70	
171 Indeno[1,2,3-cd]pyrene	276	14.097	14.103	-0.006	99	424163	3.75	3.71	
172 Dibenz(a,h)anthracene	278	14.144	14.144	0.000	92	420197	3.75	3.90	
173 Benzo[g,h,i]perylene	276	14.453	14.453	0.000	98	423921	3.75	3.64	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_4_00041 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 10:31:23 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2555.D

Injection Date: 26-Jun-2025 00:34:30 Instrument ID: HP23264 Operator ID: IR93211

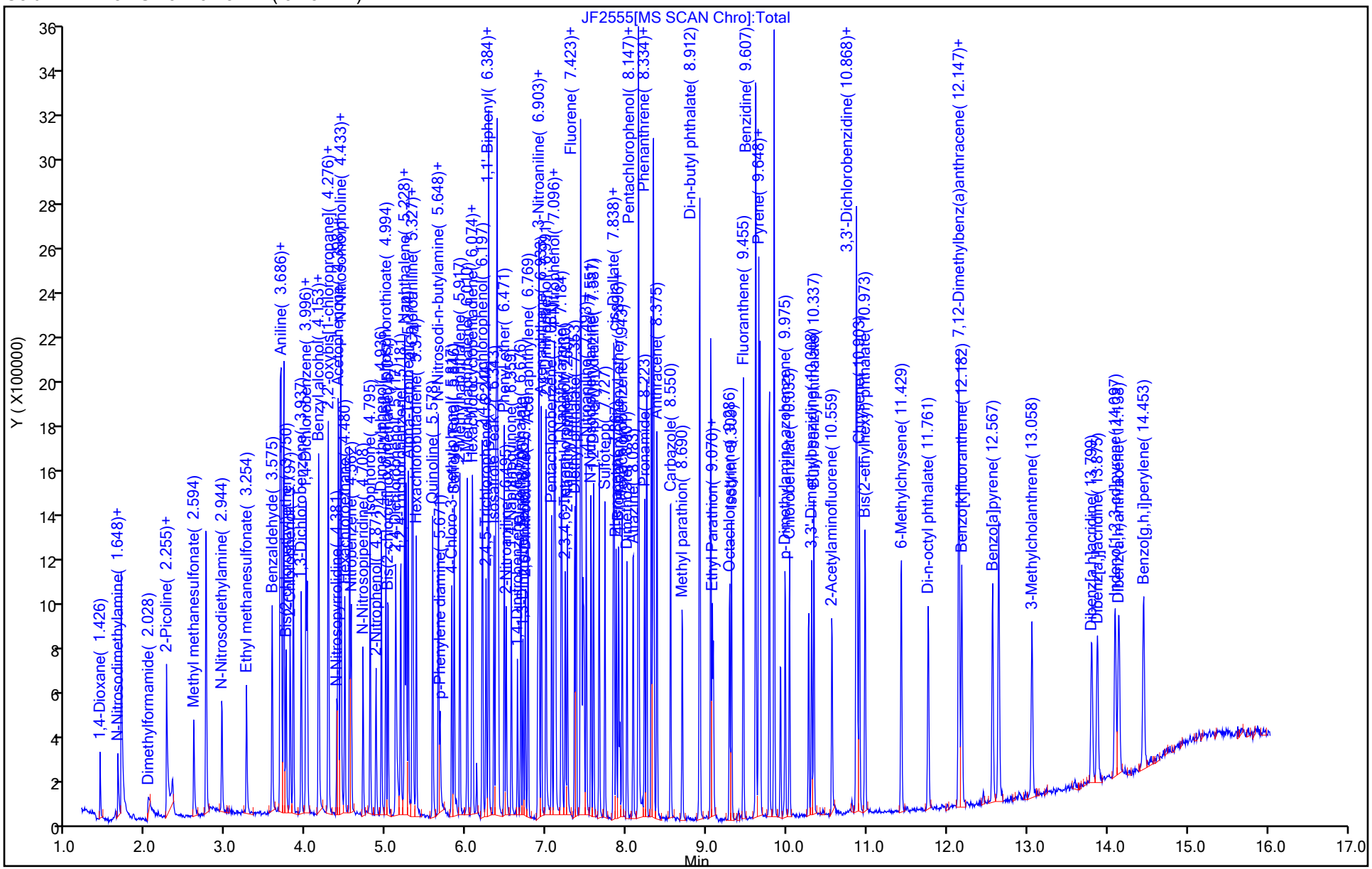
Lims ID: IC L4 Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

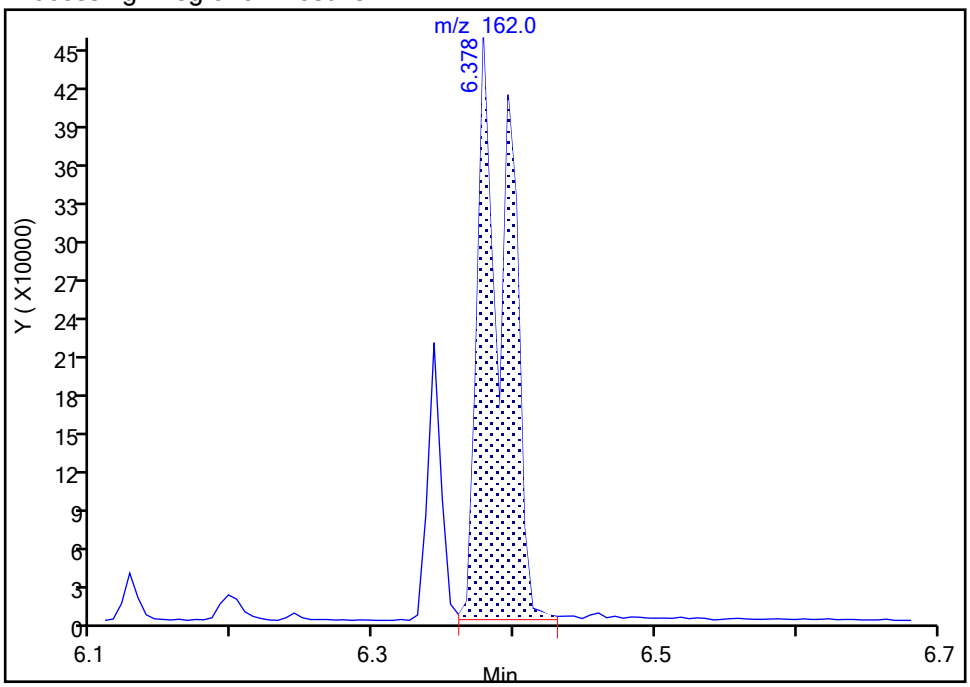
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2555.D				
Injection Date:	26-Jun-2025 00:34:30	Instrument ID:	HP23264		
Lims ID:	IC L4				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

84 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

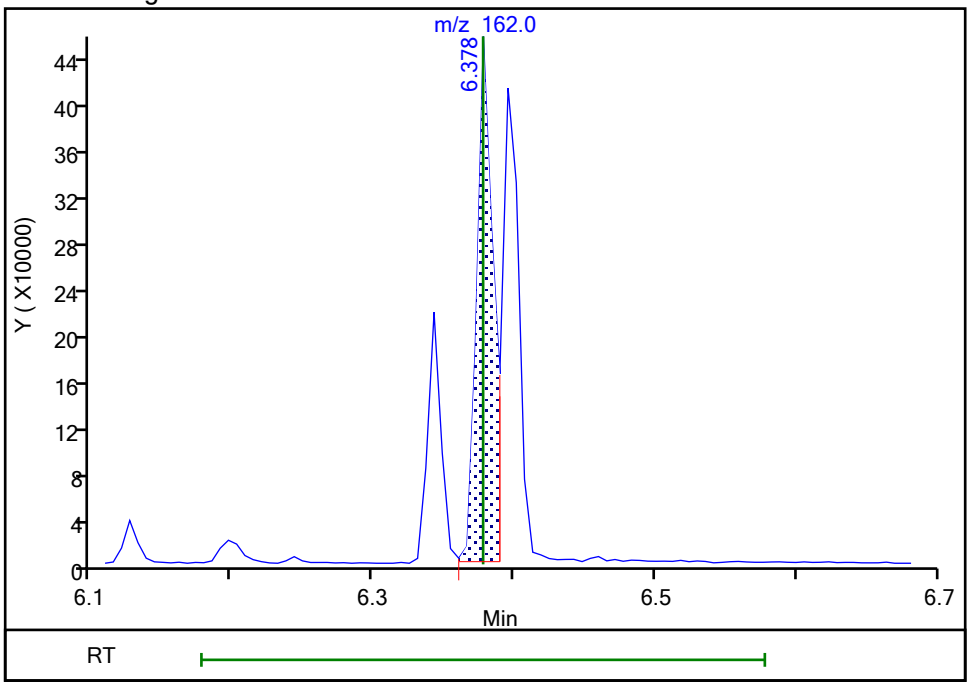
Processing Integration Results

RT: 6.38
Area: 674095
Amount: 5.035806
Amount Units: ug/ml



Manual Integration Results

RT: 6.38
Area: 356527
Amount: 3.853517
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:43:57 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

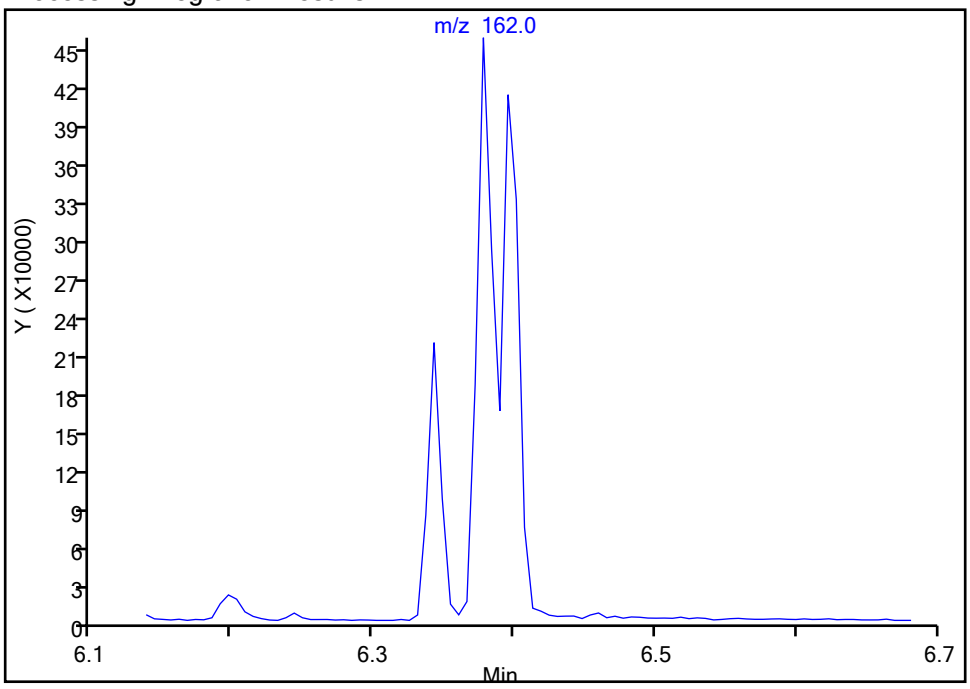
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2555.D				
Injection Date:	26-Jun-2025 00:34:30	Instrument ID:	HP23264		
Lims ID:	IC L4				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

85 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

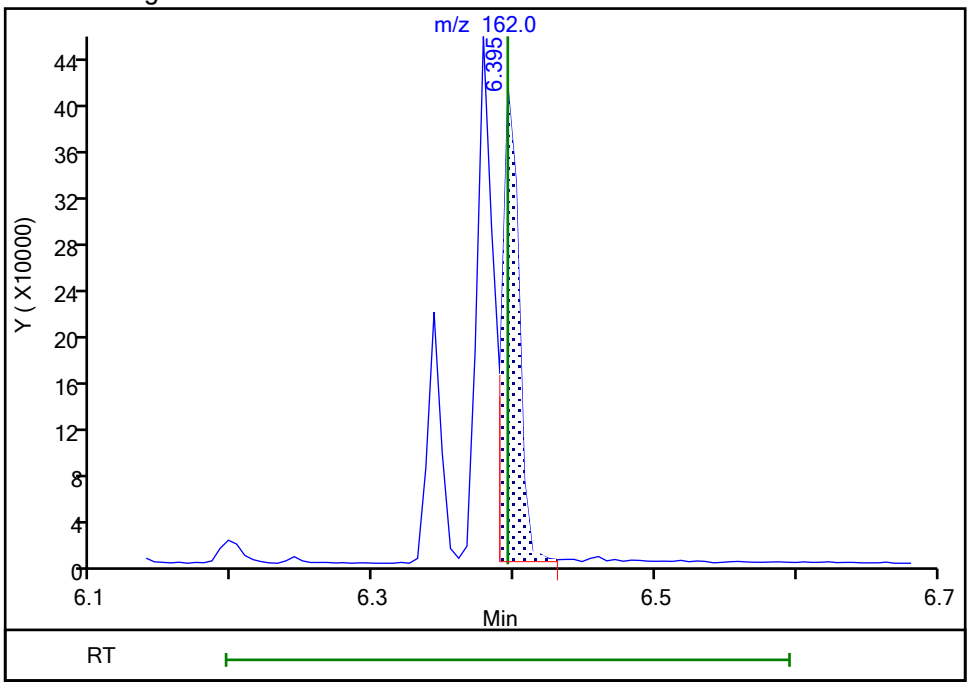
Not Detected
Expected RT: 6.40

Processing Integration Results



Manual Integration Results

RT: 6.40
Area: 317570
Amount: 3.356860
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:44:03 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2556.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 26-Jun-2025 00:56:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0151575-007
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub57

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:31:49 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:46:16

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.432	1.426	0.006	91	29796	1.25	1.54	
	2 N-Nitrosodimethylamine	74	1.660	1.648	0.012	90	42478	1.25	1.31	
	3 Pyridine	79	1.707	1.683	0.024	96	133394	2.50	2.30	
	4 Dimethylformamide	73	2.127	1.998	0.129	68	39713	1.25	1.05	M
	5 2-Picoline	93	2.267	2.249	0.018	88	66759	1.25	1.32	
	6 N-Nitrosomethylethylamine	88	2.343	2.325	0.018	57	31059	1.25	1.32	
	7 Methyl methanesulfonate	80	2.600	2.594	0.006	87	44176	1.25	1.20	
$	9 2-Fluorophenol	112	2.752	2.752	0.000	96	94518	2.50	2.43	
	11 N-Nitrosodiethylamine	102	2.950	2.944	0.006	89	27168	1.25	1.16	
	12 Ethyl methanesulfonate	109	3.260	3.254	0.006	91	28602	1.25	1.26	
	13 Benzaldehyde	77	3.575	3.575	0.000	87	75276	1.25	1.51	
$	15 Phenol-d5	99	3.674	3.674	0.000	95	141858	2.50	2.43	
	17 Aniline	93	3.686	3.686	0.000	90	94107	1.25	1.25	
	16 Phenol	94	3.686	3.686	0.000	81	85238	1.25	1.25	
	18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	85	61396	1.25	1.25	
	19 2-Chlorophenol	128	3.803	3.797	0.006	87	44454	1.25	1.15	
	21 1,3-Dichlorobenzene	146	3.937	3.937	0.000	92	57197	1.25	1.26	
*	22 1,4-Dichlorobenzene-d4	152	3.996	3.995	0.001	95	159383	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.013	4.013	0.000	94	54889	1.25	1.19	
	26 Benzyl alcohol	108	4.153	4.153	0.000	82	33593	1.25	1.13	
	27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	93	56394	1.25	1.30	
	30 2,2'-oxybis[1-chloropropane]	45	4.276	4.276	0.000	83	107946	1.25	1.20	
	29 2-Methylphenol	108	4.276	4.276	0.000	82	50746	1.25	1.16	
	31 N-Nitrosopyrrolidine	100	4.387	4.387	0.000	89	33489	1.25	1.29	
	32 Acetophenone	105	4.398	4.398	0.000	92	93211	1.25	1.31	
	33 N-Nitrosodi-n-propylamine	70	4.404	4.404	0.000	76	61578	1.25	1.33	
	35 N-Nitrosomorpholine	56	4.428	4.427	0.001	84	47467	1.25	1.29	
	34 4-Methylphenol	108	4.433	4.433	0.000	81	61168	1.25	1.31	
	36 2-Toluidine	106	4.433	4.433	0.000	84	93691	1.25	1.26	
	37 Hexachloroethane	117	4.480	4.480	0.000	89	26646	1.25	1.19	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.544	4.544	0.000	89	151774	2.50	2.37	
40 Nitrobenzene	77	4.562	4.562	0.000	88	84359	1.25	1.26	
41 N-Nitrosopiperidine	114	4.708	4.708	0.000	80	29253	1.25	1.32	
42 Isophorone	82	4.796	4.795	0.001	98	144051	1.25	1.25	
43 2-Nitrophenol	139	4.871	4.871	0.000	87	24216	1.25	1.25	
44 2,4-Dimethylphenol	107	4.941	4.935	0.006	94	57106	1.25	1.20	
46 o,o',o''-Triethylphosphorothioat	198	4.994	4.994	0.000	92	28154	1.25	1.32	
47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	91	86193	1.25	1.30	
49 2,4-Dichlorophenol	162	5.117	5.116	0.001	97	41565	1.25	1.17	
50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	91	56729	1.25	1.31	
* 52 Naphthalene-d8	136	5.228	5.227	0.001	99	537582	5.00	5.00	
53 Naphthalene	128	5.245	5.251	-0.006	97	144663	1.25	1.25	
55 Alpha-Terpineol	59	5.274	5.274	0.000	89	66471	1.25	1.21	
56 4-Chloroaniline	127	5.327	5.321	0.006	77	54901	1.25	1.21	
57 2,6-Dichlorophenol	162	5.327	5.327	0.000	84	47336	1.25	1.30	
58 Hexachloropropene	213	5.333	5.332	0.001	95	46245	1.25	1.33	
59 Hexachlorobutadiene	225	5.374	5.373	0.001	92	33611	1.25	1.23	
61 Quinoline	129	5.578	5.578	0.000	92	104396	1.25	1.39	
63 N-Nitrosodi-n-butylamine	84	5.648	5.654	-0.006	85	72240	1.25	1.42	
62 Caprolactam	113	5.648	5.654	-0.006	49	13100	1.25	1.24	
64 p-Phenylene diamine	108	5.677	5.671	0.006	84	33220	1.25	0.8931	
65 4-Chloro-3-methylphenol	107	5.817	5.817	0.000	92	52377	1.25	1.16	
66 Safrole, Total	162	5.847	5.846	0.001	82	41248	1.25	1.32	
67 2-Methylnaphthalene	142	5.917	5.916	0.001	89	88451	1.25	1.31	
69 1-Methylnaphthalene	142	6.010	6.010	0.000	91	92165	1.25	1.25	
71 Hexachlorocyclopentadiene	237	6.068	6.068	0.000	92	40526	1.25	1.13	
70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	95	63463	1.25	1.25	
72 Isosafrole Peak 1	162	6.127	6.127	0.000	81	7645	0.2000	0.1958	
79 2,4,6-Trichlorophenol	196	6.203	6.202	0.001	94	32379	1.25	1.15	
80 2,4,5-Trichlorophenol	196	6.244	6.243	0.001	92	39822	1.25	1.27	
$ 81 2-Fluorobiphenyl (Surr)	172	6.279	6.278	0.001	99	244757	2.50	2.53	
82 Isosafrole Peak 2	162	6.343	6.343	0.000	86	42193	1.05	1.00	
83 1,1'-Biphenyl	154	6.366	6.366	0.000	98	122644	1.25	1.25	
84 2-Chloronaphthalene	162	6.378	6.378	0.000	95	107870	1.25	1.32	M
85 1-Chloronaphthalene	162	6.395	6.395	0.000	98	105047	1.25	1.26	Ma
86 Phenyl ether	170	6.471	6.471	0.000	88	80146	1.25	1.31	
87 2-Nitroaniline	138	6.495	6.494	0.001	71	27349	1.25	1.18	
S 24 Dinitrotoluene	165				0		2.50	2.46	
88 1,4-Naphthoquinone	158	6.559	6.559	0.000	73	38861	1.25	1.26	
89 1,4-Dinitrobenzene	168	6.641	6.635	0.006	84	14681	1.25	1.21	
90 Dimethyl phthalate	163	6.676	6.681	-0.005	95	122514	1.25	1.25	
91 1,3-Dinitrobenzene	168	6.705	6.705	0.000	83	16959	1.25	1.32	
92 2,6-Dinitrotoluene	165	6.734	6.734	0.000	82	26221	1.25	1.25	
93 Acenaphthylene	152	6.769	6.769	0.000	98	160936	1.25	1.25	
95 3-Nitroaniline	138	6.892	6.891	0.001	87	24094	1.25	1.20	
* 96 Acenaphthene-d10	164	6.903	6.903	0.000	95	340712	5.00	5.00	
97 Acenaphthene	153	6.933	6.932	0.001	97	101007	1.25	1.20	
98 2,4-Dinitrophenol	184	6.991	6.991	0.000	72	54431	5.00	4.00	
99 Pentachlorobenzene	250	7.061	7.061	0.000	97	55950	1.25	1.33	
100 4-Nitrophenol	109	7.096	7.090	0.006	88	59865	3.75	3.72	
101 Dibenzofuran	168	7.102	7.102	0.000	95	145769	1.25	1.25	
102 2,4-Dinitrotoluene	165	7.114	7.113	0.001	84	34734	1.25	1.21	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
104 1-Naphthylamine	143	7.184	7.183	0.001	95	93041	1.25	1.23	
105 2,3,4,6-Tetrachlorophenol	232	7.236	7.230	0.006	72	32906	1.25	1.21	
106 2-Naphthylamine	143	7.260	7.259	0.001	94	103403	1.25	1.31	
107 Diethyl phthalate	149	7.353	7.353	0.000	96	124287	1.25	1.27	
108 Fluorene	166	7.423	7.423	0.000	89	111367	1.25	1.25	
109 Thionazin	107	7.423	7.423	0.000	56	20096	1.25	1.11	
110 4-Chlorophenyl phenyl ether	204	7.441	7.440	0.001	91	55193	1.25	1.15	
111 N-Nitro-o-toluidine	152	7.458	7.458	0.000	86	29248	1.25	1.17	
112 4-Nitroaniline	138	7.470	7.470	0.000	78	22669	1.25	1.17	
113 4,6-Dinitro-2-methylphenol	198	7.493	7.499	-0.006	71	61487	3.75	3.45	
114 N-Nitrosodiphenylamine	169	7.552	7.557	-0.005	66	74855	1.06	1.00	
115 1,2-Diphenylhydrazine	77	7.587	7.586	0.001	98	173660	1.25	1.18	
$ 116 2,4,6-Tribromophenol	330	7.657	7.656	0.001	91	37809	2.50	2.33	
117 Sulfotepp	97	7.727	7.726	0.001	73	29230	1.25	1.15	
120 cis-Diallate	86	7.832	7.832	0.000	93	50566	0.9250	1.02	
119 Phorate	75	7.843	7.843	0.000	92	151056	1.25	1.21	
118 1,3,5-Trinitrobenzene	213	7.843	7.849	-0.006	69	9498	1.25	1.02	
121 Phenacetin	108	7.867	7.872	-0.005	90	60472	1.25	1.08	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	69	34690	1.25	1.20	
123 trans-Diallate	86	7.914	7.913	0.001	94	17548	0.3250	0.3443	
124 Hexachlorobenzene	284	7.943	7.942	0.001	95	43855	1.25	1.27	
125 Dimethoate	87	8.001	8.007	-0.006	95	55588	1.25	1.17	
126 Atrazine	200	8.077	8.083	-0.006	84	33706	1.25	1.17	
127 Pentachlorophenol	266	8.147	8.147	0.000	91	47250	2.50	2.21	
129 4-Aminobiphenyl	169	8.153	8.147	0.006	92	119010	1.25	1.17	
128 Pentachloronitrobenzene	237	8.153	8.153	0.000	53	23654	1.25	1.36	
130 Pronamide	173	8.223	8.223	0.000	89	57747	1.25	1.20	
* 131 Phenanthrene-d10	188	8.305	8.310	-0.005	98	644669	5.00	5.00	
132 Phenanthrene	178	8.328	8.328	0.000	98	167118	1.25	1.17	
133 Dinoseb	211	8.334	8.334	0.000	68	25127	1.25	0.9502	
134 Disulfoton	88	8.340	8.340	0.000	96	96186	1.25	1.26	
135 Anthracene	178	8.381	8.380	0.001	98	170712	1.25	1.22	
136 Carbazole	167	8.550	8.550	0.000	95	151262	1.25	1.21	
137 Methyl parathion	109	8.696	8.696	0.000	88	44421	1.25	1.25	
138 Di-n-butyl phthalate	149	8.906	8.906	0.000	99	170329	1.25	1.16	
139 Ethyl Parathion	109	9.070	9.069	0.001	79	24203	1.25	1.19	
140 4-Nitroquinoline-1-oxide	190	9.087	9.081	0.006	79	11831	1.25	0.9594	
142 Octachlorostyrene	308	9.286	9.285	0.001	87	17681	1.25	1.34	
143 Isodrin	193	9.309	9.309	0.000	91	28574	1.25	1.37	
144 Fluoranthene	202	9.455	9.455	0.000	98	188522	1.25	1.20	
145 Benzidine	184	9.613	9.612	0.001	99	312901	3.75	3.39	
* 146 Pyrene-d10 (IS)	212	9.648	9.647	0.001	98	705136	5.00	5.00	
S 68 Diallate	86				0		1.25	1.36	
147 Pyrene	202	9.665	9.665	0.000	98	208428	1.25	1.21	
$ 148 p-Terphenyl-d14	244	9.840	9.840	0.000	99	226110	2.50	2.38	
149 p-Dimethylamino azobenzene	225	9.981	9.980	0.001	91	23944	1.25	1.07	
150 Chlorobenzilate	139	10.033	10.033	0.000	84	56971	1.25	1.24	
152 3,3'-Dimethylbenzidine	212	10.308	10.307	0.001	98	87430	1.25	1.09	
153 Butyl benzyl phthalate	149	10.337	10.337	0.001	90	65844	1.25	1.05	
155 2-Acetylaminofluorene	181	10.564	10.564	0.000	94	47860	1.25	0.9001	
156 Benzo[a]anthracene	228	10.868	10.868	0.000	99	151759	1.25	1.11	
157 3,3'-Dichlorobenzidine	252	10.868	10.868	0.000	72	57135	1.25	1.15	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
158 4,4'-Methylene bis(2-chloroanil	231	10.880	10.880	0.000	91	28820	1.25	1.09	
159 Chrysene	228	10.903	10.909	-0.006	97	158326	1.25	1.20	
160 Bis(2-ethylhexyl) phthalate	149	10.973	10.979	-0.006	93	88080	1.25	1.06	
S 94 Isosafrole	162				0		1.25	1.20	
161 6-Methylchrysene	242	11.429	11.428	0.001	97	104408	1.25	1.24	
162 Di-n-octyl phthalate	149	11.761	11.767	-0.006	98	132822	1.25	1.02	
163 7,12-Dimethylbenz(a)anthracene	256	12.147	12.147	0.000	68	55861	1.25	1.17	
164 Benzo[b]fluoranthene	252	12.147	12.147	0.000	97	145635	1.25	1.20	
165 Benzo[k]fluoranthene	252	12.182	12.182	0.000	99	150711	1.25	1.20	
166 Benzo[a]pyrene	252	12.567	12.567	0.000	77	133126	1.25	1.15	
* 167 Perylene-d12	264	12.643	12.643	0.000	99	499058	5.00	5.00	
168 3-Methylcholanthrene	268	13.058	13.057	0.001	89	56713	1.25	1.09	
169 Dibenz[a,h]acridine	279	13.805	13.805	0.000	91	107644	1.25	1.22	
170 Dibenz[a,j]acridine	279	13.875	13.875	0.000	96	100408	1.25	1.13	
171 Indeno[1,2,3-cd]pyrene	276	14.097	14.103	-0.006	98	117430	1.25	1.10	
172 Dibenz(a,h)anthracene	278	14.144	14.144	0.000	91	117897	1.25	1.17	
173 Benzo[g,h,i]perylene	276	14.453	14.453	0.000	98	128097	1.25	1.18	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_3_00042 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 10:31:50 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2556.D

Injection Date: 26-Jun-2025 00:56:30 Instrument ID: HP23264 Operator ID: IR93211

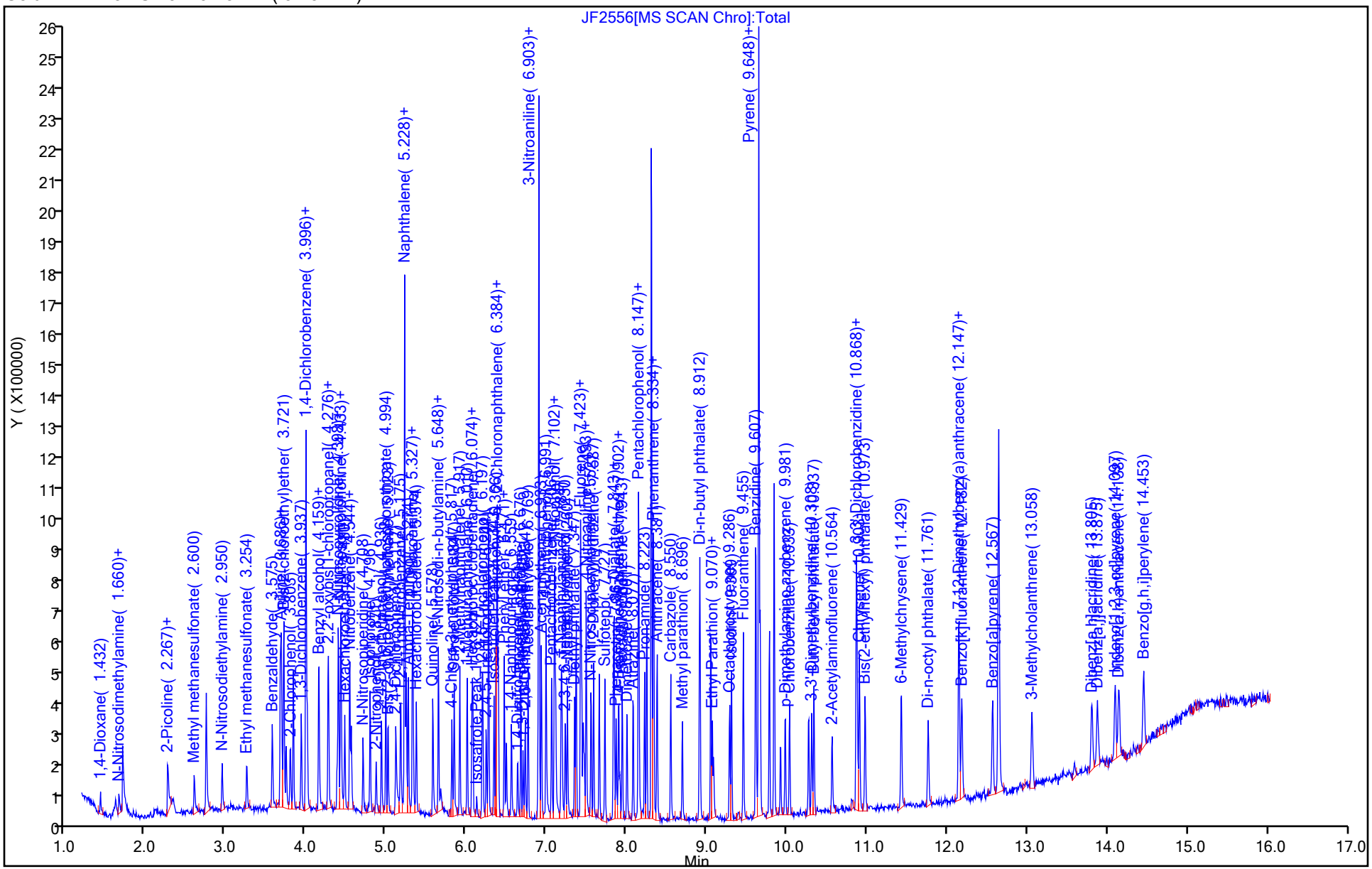
Lims ID: IC L3 Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

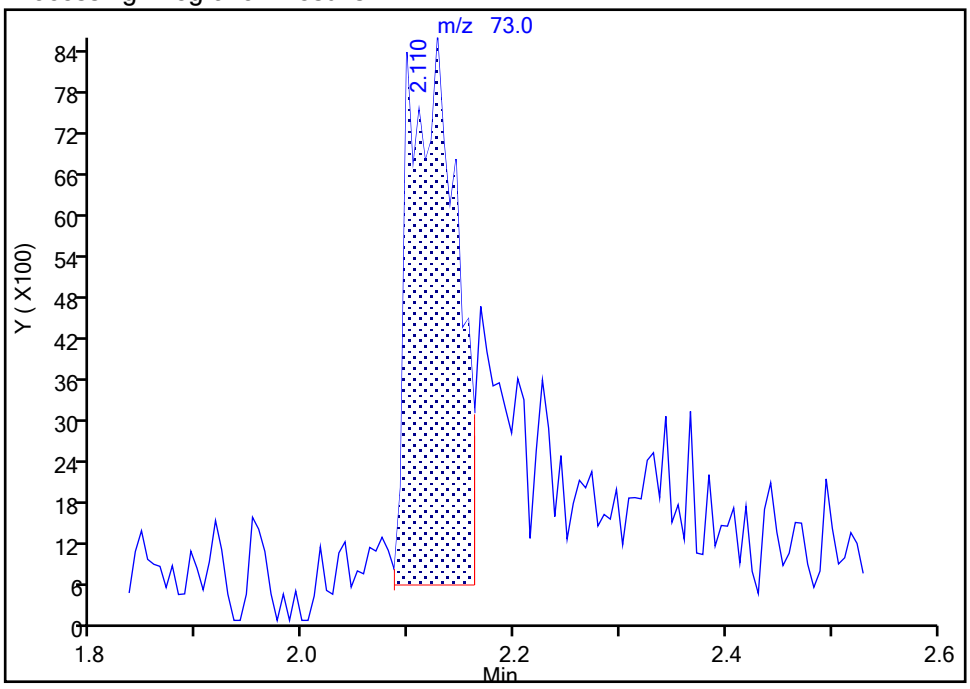
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2556.D				
Injection Date:	26-Jun-2025 00:56:30	Instrument ID:	HP23264		
Lims ID:	IC L3				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

4 Dimethylformamide, CAS: 68-12-2

Signal: 1

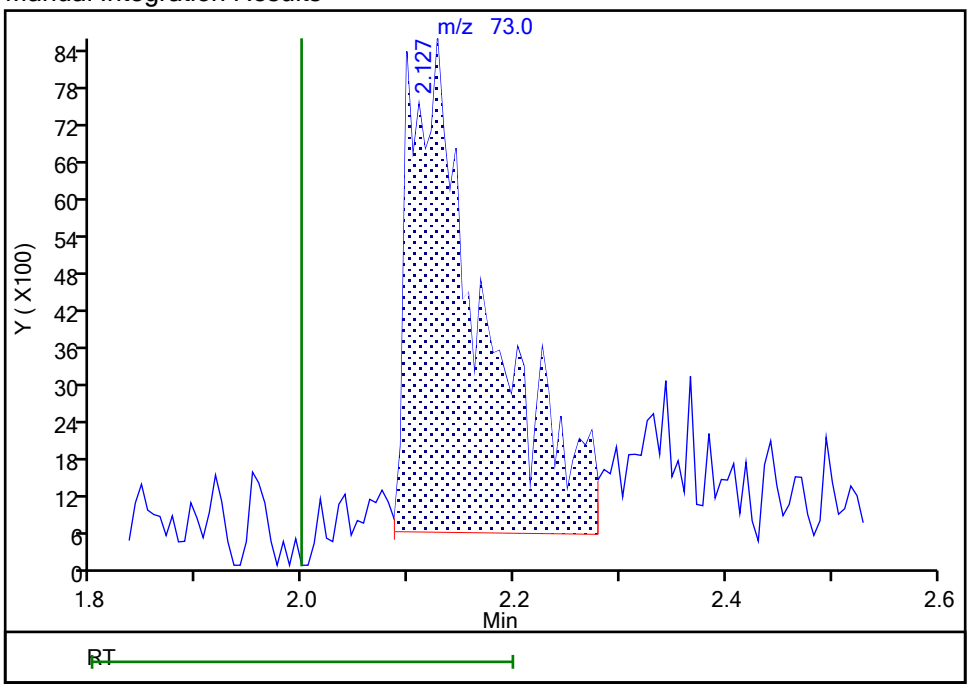
Processing Integration Results

RT: 2.11
Area: 24591
Amount: 0.876476
Amount Units: ug/ml



Manual Integration Results

RT: 2.13
Area: 39713
Amount: 1.053840
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:45:25 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

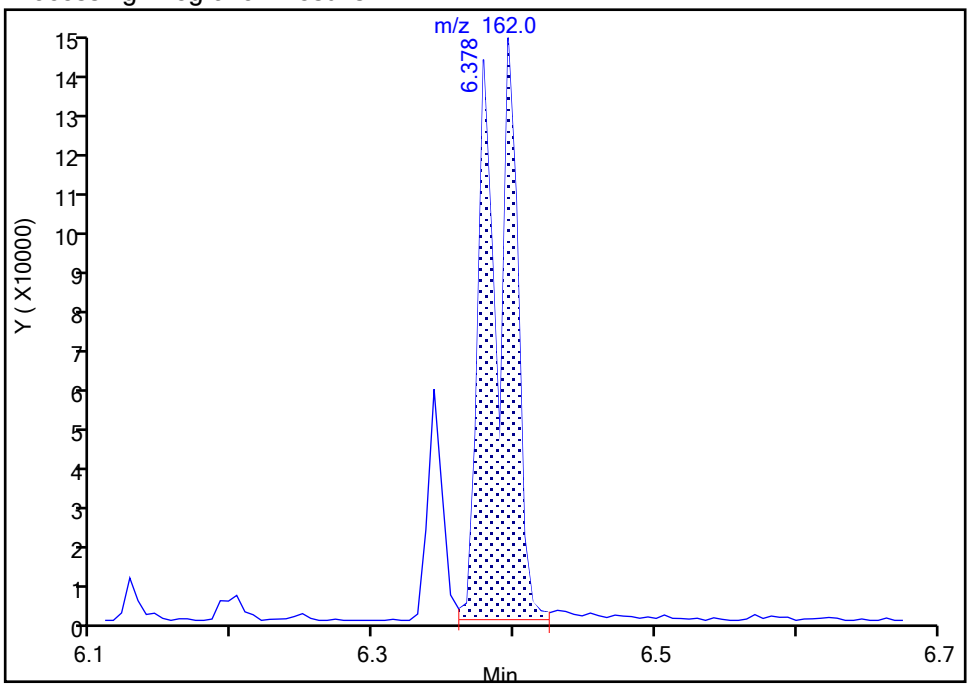
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2556.D				
Injection Date:	26-Jun-2025 00:56:30	Instrument ID:	HP23264		
Lims ID:	IC L3				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

84 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

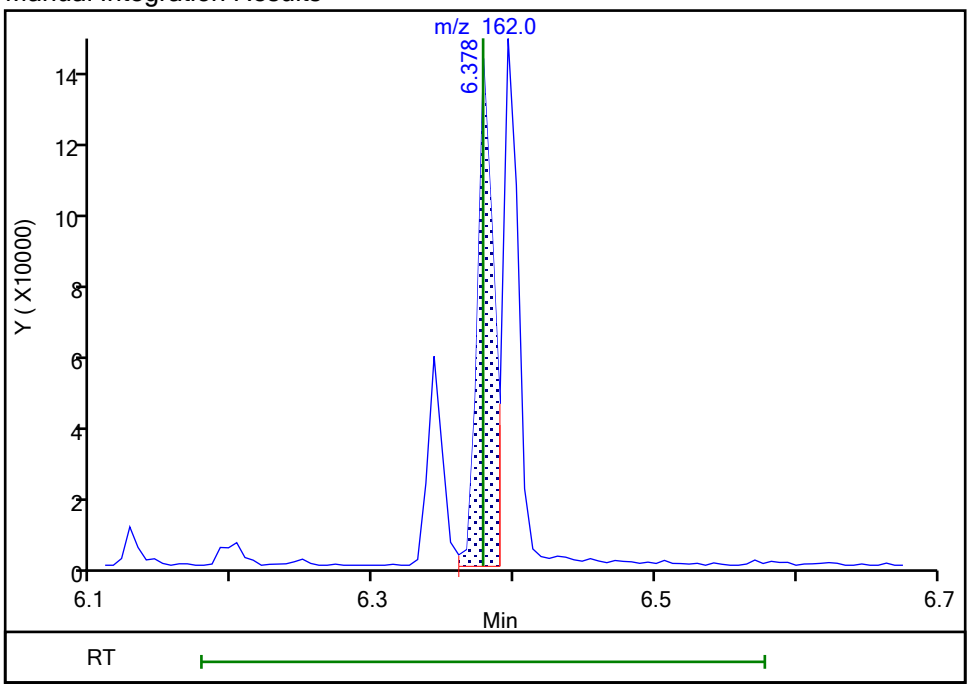
Processing Integration Results

RT: 6.38
Area: 212917
Amount: 1.977359
Amount Units: ug/ml



Manual Integration Results

RT: 6.38
Area: 107870
Amount: 1.318422
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:45:43 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

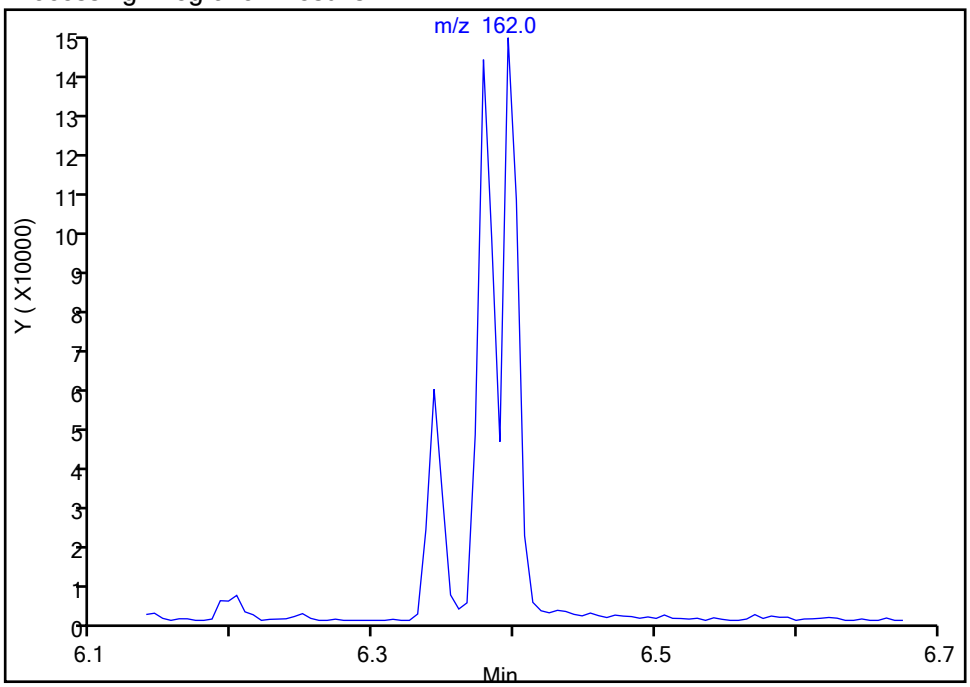
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2556.D				
Injection Date:	26-Jun-2025 00:56:30	Instrument ID:	HP23264		
Lims ID:	IC L3				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

85 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

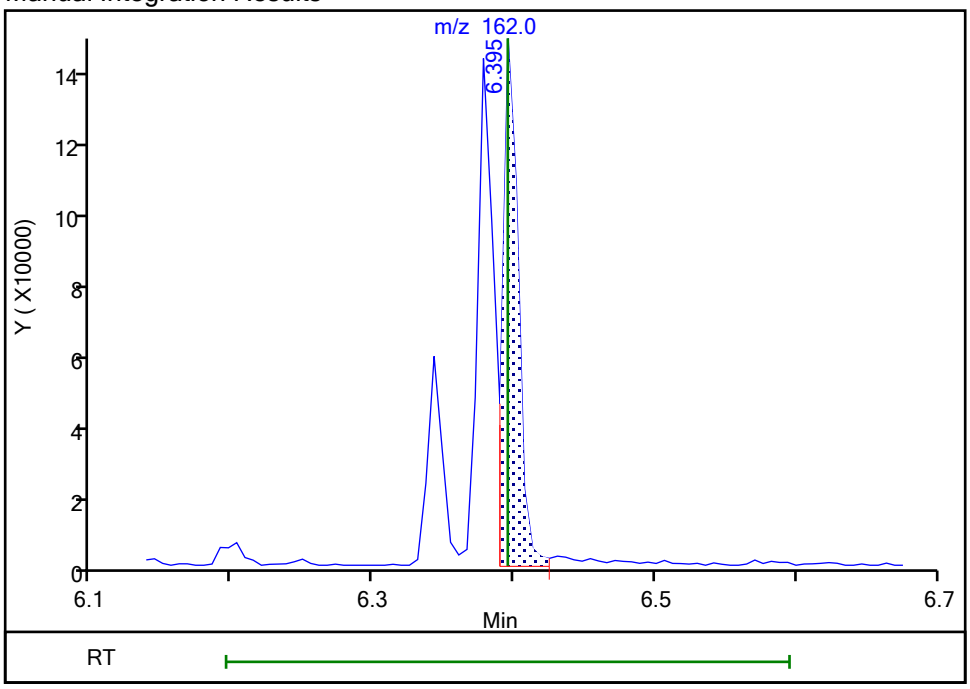
Not Detected
Expected RT: 6.40

Processing Integration Results



Manual Integration Results

RT: 6.40
Area: 105047
Amount: 1.255644
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:45:50 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 26-Jun-2025 01:17:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0151575-008
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub57

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:32:13 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:49:22

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.438	1.426	0.012	77	19536	0.2500	0.99	
	2 N-Nitrosodimethylamine	74	1.683	1.648	0.035	79	7643	0.2500	0.2314	
	3 Pyridine	79	1.741	1.683	0.058	93	28172	0.5000	0.4771	
	4 Dimethylformamide	73	2.022	1.998	0.024	7	3567	0.2500	0.0931	
	5 2-Picoline	93	2.296	2.249	0.047	35	10997	0.2500	0.2145	
	6 N-Nitrosomethylethylamine	88	2.308	2.325	-0.017	39	11916	0.2500	0.4971	
	7 Methyl methanesulfonate	80	2.612	2.594	0.018	72	8929	0.2500	0.2378	
$	9 2-Fluorophenol	112	2.757	2.752	0.005	89	18054	0.5000	0.4565	
	11 N-Nitrosodiethylamine	102	2.956	2.944	0.012	77	6407	0.2500	0.2683	
	12 Ethyl methanesulfonate	109	3.265	3.254	0.011	68	5697	0.2500	0.2475	
	13 Benzaldehyde	77	3.581	3.575	0.006	60	11511	0.2500	0.2274	
$	15 Phenol-d5	99	3.680	3.674	0.006	92	22521	0.5000	0.3801	
	17 Aniline	93	3.692	3.686	0.006	65	16793	0.2500	0.2195	
	16 Phenol	94	3.698	3.686	0.012	62	16197	0.2500	0.2328	
	18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	59	11925	0.2500	0.2380	
	19 2-Chlorophenol	128	3.803	3.797	0.006	86	11009	0.2500	0.2810	
	21 1,3-Dichlorobenzene	146	3.937	3.937	0.000	85	10795	0.2500	0.2333	
*	22 1,4-Dichlorobenzene-d4	152	3.995	3.995	0.000	96	161976	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.013	4.013	0.000	34	12840	0.2500	0.2736	a
	26 Benzyl alcohol	108	4.165	4.153	0.012	73	7459	0.2500	0.2478	
	27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	84	10457	0.2500	0.2377	a
	30 2,2'-oxybis[1-chloropropane]	45	4.276	4.276	0.000	84	24209	0.2500	0.2640	
	29 2-Methylphenol	108	4.276	4.276	0.000	72	11552	0.2500	0.2599	
	31 N-Nitrosopyrrolidine	100	4.392	4.387	0.005	57	6080	0.2500	0.2300	
	32 Acetophenone	105	4.398	4.398	0.000	70	18961	0.2500	0.2627	
	33 N-Nitrosodi-n-propylamine	70	4.404	4.404	0.000	83	12336	0.2500	0.2619	
	35 N-Nitrosomorpholine	56	4.433	4.427	0.006	52	7564	0.2500	0.2027	
	34 4-Methylphenol	108	4.445	4.433	0.012	74	10181	0.2500	0.2147	
	36 2-Toluidine	106	4.433	4.433	0.000	92	18897	0.2500	0.2496	
	37 Hexachloroethane	117	4.480	4.480	0.000	83	5956	0.2500	0.2618	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.544	4.544	0.000	90	32487	0.5000	0.4855	
40 Nitrobenzene	77	4.568	4.562	0.006	79	19369	0.2500	0.2781	
41 N-Nitrosopiperidine	114	4.714	4.708	0.006	49	6069	0.2500	0.2634	
42 Isophorone	82	4.795	4.795	0.000	96	29770	0.2500	0.2476	
43 2-Nitrophenol	139	4.877	4.871	0.006	38	4321	0.2500	0.2139	a
44 2,4-Dimethylphenol	107	4.941	4.935	0.006	92	11488	0.2500	0.2310	
46 o,o',o''-Triethylphosphorothioat	198	4.994	4.994	0.000	80	5528	0.2500	0.2487	
47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	94	18304	0.2500	0.2655	
49 2,4-Dichlorophenol	162	5.128	5.116	0.012	91	9235	0.2500	0.2488	
50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	82	11934	0.2500	0.2631	
* 52 Naphthalene-d8	136	5.227	5.227	0.000	99	560899	5.00	5.00	
53 Naphthalene	128	5.245	5.251	-0.006	96	29023	0.2500	0.2413	
55 Alpha-Terpineol	59	5.274	5.274	0.000	85	15097	0.2500	0.2633	
56 4-Chloroaniline	127	5.332	5.321	0.011	72	8776	0.2500	0.1860	
57 2,6-Dichlorophenol	162	5.332	5.327	0.005	80	8381	0.2500	0.2201	
58 Hexachloropropene	213	5.332	5.332	0.000	95	8932	0.2500	0.2456	
59 Hexachlorobutadiene	225	5.373	5.373	0.000	89	8079	0.2500	0.2824	
61 Quinoline	129	5.584	5.578	0.006	86	15362	0.2500	0.1959	
63 N-Nitrosodi-n-butylamine	84	5.648	5.654	-0.006	89	19840	0.2500	0.3746	
62 Caprolactam	113	5.659	5.654	0.005	45	2965	0.2500	0.2696	
64 p-Phenylene diamine	108	5.765	5.671	0.094	1	2956	0.2500	0.0762	a
65 4-Chloro-3-methylphenol	107	5.823	5.817	0.006	85	10901	0.2500	0.2315	
66 Safrole, Total	162	5.846	5.846	0.000	73	7721	0.2500	0.2364	
67 2-Methylnaphthalene	142	5.916	5.916	0.000	89	16638	0.2500	0.2361	
69 1-Methylnaphthalene	142	6.010	6.010	0.000	91	19297	0.2500	0.2501	
71 Hexachlorocyclopentadiene	237	6.068	6.068	0.000	91	7347	0.2500	0.2010	
70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	94	12110	0.2500	0.2348	
72 Isosafrole Peak 1	162	6.127	6.127	0.000	1	1251	0.0400	0.0314	a
79 2,4,6-Trichlorophenol	196	6.208	6.202	0.006	73	6227	0.2500	0.2175	
80 2,4,5-Trichlorophenol	196	6.249	6.243	0.006	53	7085	0.2500	0.2218	
$ 81 2-Fluorobiphenyl (Surr)	172	6.278	6.278	0.000	99	48696	0.5000	0.4935	
82 Isosafrole Peak 2	162	6.343	6.343	0.000	83	8380	0.2100	0.1955	
83 1,1'-Biphenyl	154	6.366	6.366	0.000	96	24046	0.2500	0.2399	
84 2-Chloronaphthalene	162	6.378	6.378	0.000	49	19163	0.2500	0.2297	M
85 1-Chloronaphthalene	162	6.395	6.395	0.000	30	22286	0.2500	0.2612	Ma
86 Phenyl ether	170	6.471	6.471	0.000	87	13952	0.2500	0.2236	
87 2-Nitroaniline	138	6.506	6.494	0.012	42	4164	0.2500	0.1762	
S 24 Dinitrotoluene	165				0		0.5000	0.5033	
88 1,4-Naphthoquinone	158	6.565	6.559	0.006	74	7075	0.2500	0.2250	
89 1,4-Dinitrobenzene	168	6.646	6.635	0.011	33	2871	0.2500	0.2315	a
90 Dimethyl phthalate	163	6.681	6.681	0.000	93	23492	0.2500	0.2356	
91 1,3-Dinitrobenzene	168	6.711	6.705	0.005	30	2809	0.2500	0.2146	a
92 2,6-Dinitrotoluene	165	6.734	6.734	0.000	79	5070	0.2500	0.2379	
93 Acenaphthylene	152	6.769	6.769	0.000	98	32460	0.2500	0.2467	
95 3-Nitroaniline	138	6.903	6.891	0.012	33	3861	0.2500	0.1882	
* 96 Acenaphthene-d10	164	6.903	6.903	0.000	96	347467	5.00	5.00	
97 Acenaphthene	153	6.932	6.932	0.000	97	22349	0.2500	0.2611	
98 2,4-Dinitrophenol	184	6.997	6.991	0.006	78	24247	2.50	1.75	
99 Pentachlorobenzene	250	7.061	7.061	0.000	94	10984	0.2500	0.2565	
100 4-Nitrophenol	109	7.108	7.090	0.018	80	18435	1.50	1.12	
101 Dibenzofuran	168	7.102	7.102	0.000	94	31266	0.2500	0.2622	
102 2,4-Dinitrotoluene	165	7.119	7.113	0.006	67	7774	0.2500	0.2654	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
104 1-Naphthylamine	143	7.183	7.183	0.000	96	19892	0.2500	0.2579	
105 2,3,4,6-Tetrachlorophenol	232	7.236	7.230	0.006	76	6365	0.2500	0.2293	
106 2-Naphthylamine	143	7.259	7.259	0.000	94	21619	0.2500	0.2685	
107 Diethyl phthalate	149	7.353	7.353	0.000	96	27815	0.2500	0.2785	
108 Fluorene	166	7.423	7.423	0.000	89	21947	0.2500	0.2409	
109 Thionazin	107	7.423	7.423	0.000	58	5523	0.2500	0.2995	
110 4-Chlorophenyl phenyl ether	204	7.435	7.440	-0.005	62	13516	0.2500	0.2757	
111 N-Nitro-o-toluidine	152	7.458	7.458	0.000	89	4944	0.2500	0.1947	
112 4-Nitroaniline	138	7.481	7.470	0.011	37	4564	0.2500	0.2312	a
113 4,6-Dinitro-2-methylphenol	198	7.493	7.499	-0.006	64	21173	1.50	1.17	
114 N-Nitrosodiphenylamine	169	7.557	7.557	0.000	68	14102	0.2125	0.1850	
115 1,2-Diphenylhydrazine	77	7.586	7.586	0.000	95	39717	0.2500	0.2654	
$ 116 2,4,6-Tribromophenol	330	7.656	7.656	0.000	87	9134	0.5000	0.5524	
117 Sulfotepp	97	7.727	7.726	0.000	75	7036	0.2500	0.2723	
120 cis-Diallate	86	7.832	7.832	0.000	82	15190	0.1850	0.3005	
119 Phorate	75	7.837	7.843	-0.006	92	29838	0.2500	0.2348	
118 1,3,5-Trinitrobenzene	213	7.855	7.849	0.006	64	2154	0.2500	0.2279	a
121 Phenacetin	108	7.878	7.872	0.006	78	8353	0.2500	0.1459	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	71	8286	0.2500	0.2807	
123 trans-Diallate	86	7.913	7.913	0.000	42	5835	0.0650	0.1124	a
124 Hexachlorobenzene	284	7.943	7.942	0.001	91	9539	0.2500	0.2702	
125 Dimethoate	87	8.007	8.007	0.000	94	10447	0.2500	0.2160	
126 Atrazine	200	8.083	8.083	0.000	83	7636	0.2500	0.2604	
127 Pentachlorophenol	266	8.147	8.147	0.000	88	22418	1.25	1.03	
129 4-Aminobiphenyl	169	8.153	8.147	0.006	91	23907	0.2500	0.2309	
128 Pentachloronitrobenzene	237	8.147	8.153	-0.006	53	4714	0.2500	0.2670	
130 Pronamide	173	8.223	8.223	0.000	88	11365	0.2500	0.2314	
* 131 Phenanthrene-d10	188	8.305	8.310	-0.005	99	656733	5.00	5.00	
132 Phenanthrene	178	8.328	8.328	0.000	97	38307	0.2500	0.2640	
133 Dinoseb	211	8.328	8.334	-0.006	65	3929	0.2500	0.1458	
134 Disulfoton	88	8.340	8.340	0.000	95	18043	0.2500	0.2320	
135 Anthracene	178	8.380	8.380	0.000	98	34116	0.2500	0.2396	
136 Carbazole	167	8.556	8.550	0.006	96	28880	0.2500	0.2267	
137 Methyl parathion	109	8.696	8.696	0.000	83	7324	0.2500	0.2022	
138 Di-n-butyl phthalate	149	8.906	8.906	0.000	97	34767	0.2500	0.2327	
139 Ethyl Parathion	109	9.069	9.069	0.000	77	4403	0.2500	0.2128	
140 4-Nitroquinoline-1-oxide	190	9.099	9.081	0.018	1	1674	0.2500	0.1333	a
142 Octachlorostyrene	308	9.286	9.285	0.001	79	2262	0.2500	0.1683	
143 Isodrin	193	9.309	9.309	0.000	87	6648	0.2500	0.3130	
144 Fluoranthene	202	9.455	9.455	0.000	97	36192	0.2500	0.2269	
145 Benzidine	184	9.613	9.612	0.000	99	51417	0.7500	0.5574	
* 146 Pyrene-d10 (IS)	212	9.648	9.647	0.001	98	703775	5.00	5.00	
S 68 Diallate	86				0		0.2500	0.4129	
147 Pyrene	202	9.665	9.665	0.000	97	41497	0.2500	0.2413	
$ 148 p-Terphenyl-d14	244	9.840	9.840	0.000	99	45328	0.5000	0.4773	
149 p-Dimethylamino azobenzene	225	9.980	9.980	0.000	88	4124	0.2500	0.1840	
150 Chlorobenzilate	139	10.027	10.033	-0.006	85	9833	0.2500	0.2138	
152 3,3'-Dimethylbenzidine	212	10.313	10.307	0.006	96	18032	0.2500	0.2259	
153 Butyl benzyl phthalate	149	10.337	10.337	0.001	88	14753	0.2500	0.2366	
155 2-Acetylaminofluorene	181	10.564	10.564	0.000	92	9177	0.2500	0.1729	
156 Benzo[a]anthracene	228	10.868	10.868	0.000	97	30175	0.2500	0.2219	
157 3,3'-Dichlorobenzidine	252	10.868	10.868	0.000	60	10916	0.2500	0.2204	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
158	4,4'-Methylene bis(2-chloroanil	231	10.880	10.880	0.000	58	5460	0.2500	0.2060	
159	Chrysene	228	10.903	10.909	-0.006	97	34067	0.2500	0.2578	
160	Bis(2-ethylhexyl) phthalate	149	10.979	10.979	0.000	93	19430	0.2500	0.2333	
S 94	Isosafrole	162				0		0.2500	0.2269	
161	6-Methylchrysene	242	11.428	11.428	0.000	96	21108	0.2500	0.2506	
162	Di-n-octyl phthalate	149	11.767	11.767	0.000	98	30050	0.2500	0.2294	
163	7,12-Dimethylbenz(a)anthracene	256	12.147	12.147	0.000	67	10467	0.2500	0.2162	
164	Benzo[b]fluoranthene	252	12.147	12.147	0.000	93	28927	0.2500	0.2357	
165	Benzo[k]fluoranthene	252	12.188	12.182	0.006	91	29398	0.2500	0.2319	
166	Benzo[a]pyrene	252	12.567	12.567	0.000	79	27308	0.2500	0.2330	
* 167	Perylene-d12	264	12.643	12.643	0.000	98	504462	5.00	5.00	
168	3-Methylcholanthrene	268	13.058	13.057	0.001	88	13056	0.2500	0.2486	
169	Dibenz[a,h]acridine	279	13.817	13.805	0.012	90	23509	0.2500	0.2633	
170	Dibenz[a,j]acridine	279	13.875	13.875	0.000	48	19752	0.2500	0.2190	a
171	Indeno[1,2,3-cd]pyrene	276	14.097	14.103	-0.006	86	26735	0.2500	0.2484	
172	Dibenz(a,h)anthracene	278	14.144	14.144	0.000	7	21814	0.2500	0.2149	
173	Benzo[g,h,i]perylene	276	14.453	14.453	0.000	80	27435	0.2500	0.2499	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_2_00044 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 10:32:15 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D

Injection Date: 26-Jun-2025 01:17:30 Instrument ID: HP23264 Operator ID: IR93211

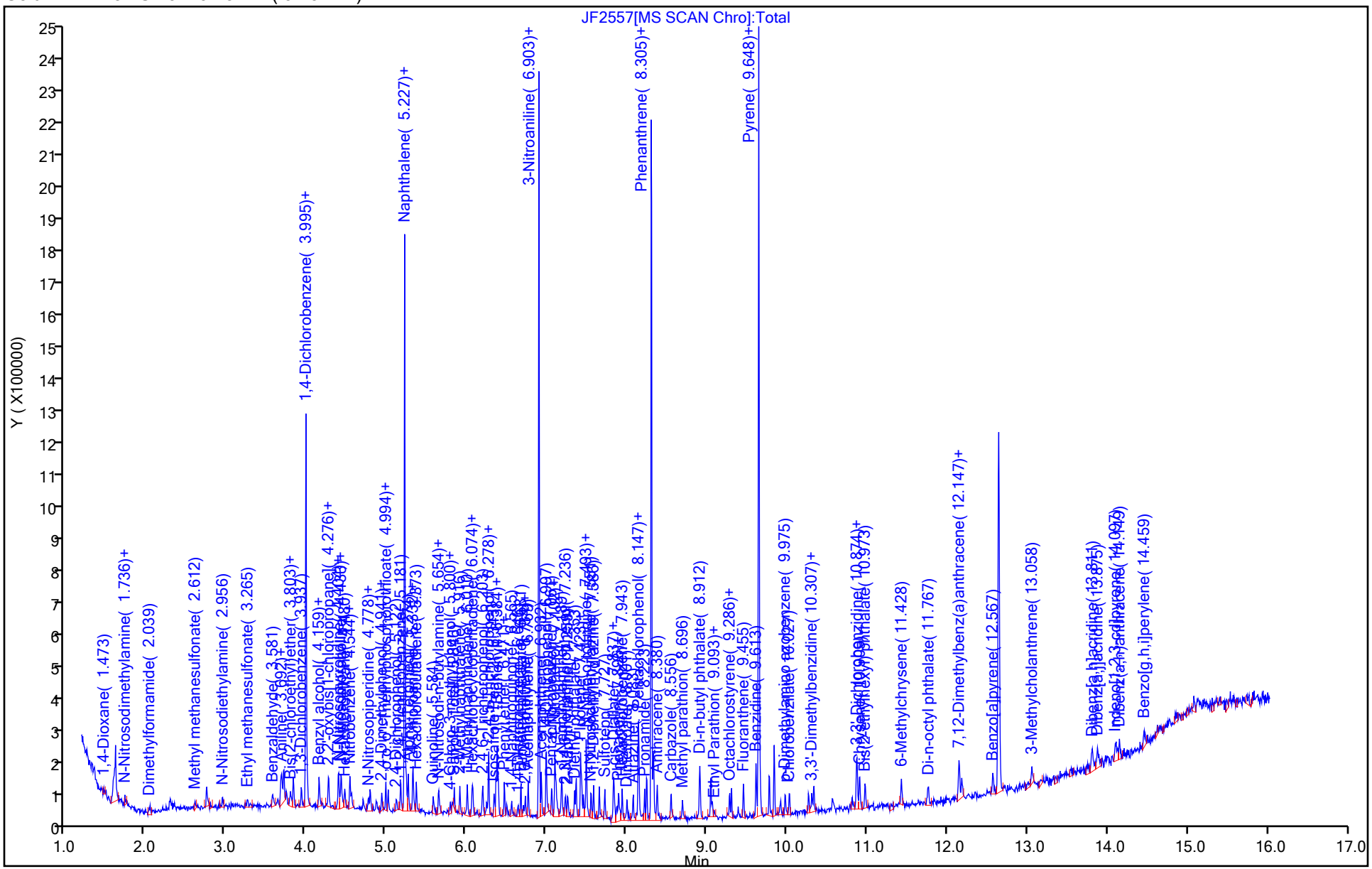
Lims ID: IC L2 Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 8

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

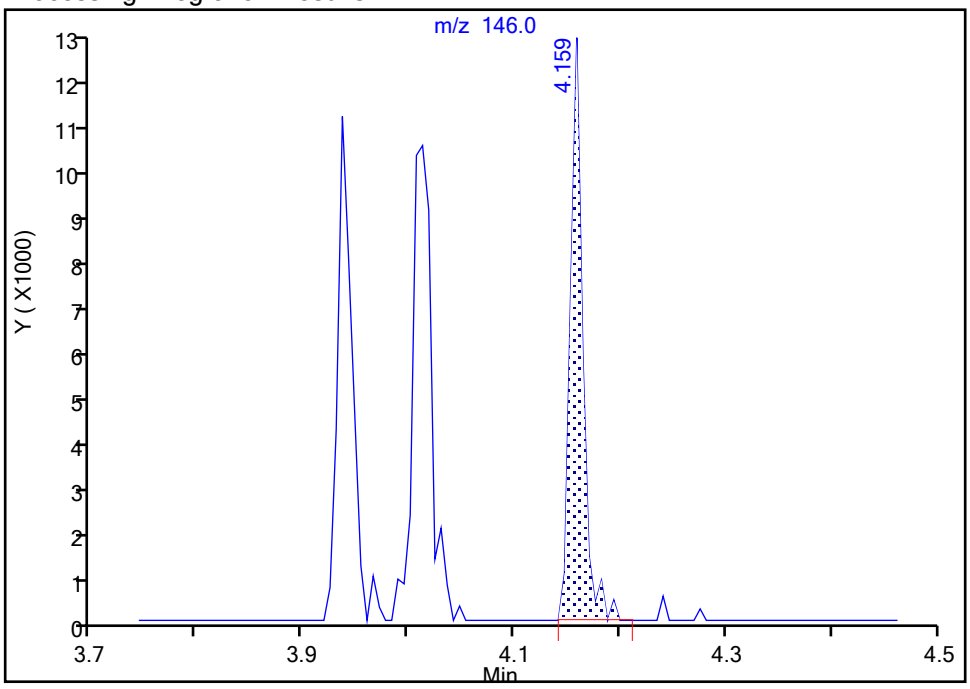
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D
Injection Date: 26-Jun-2025 01:17:30 Instrument ID: HP23264
Lims ID: IC L2
Client ID:
Operator ID: IR93211 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

23 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

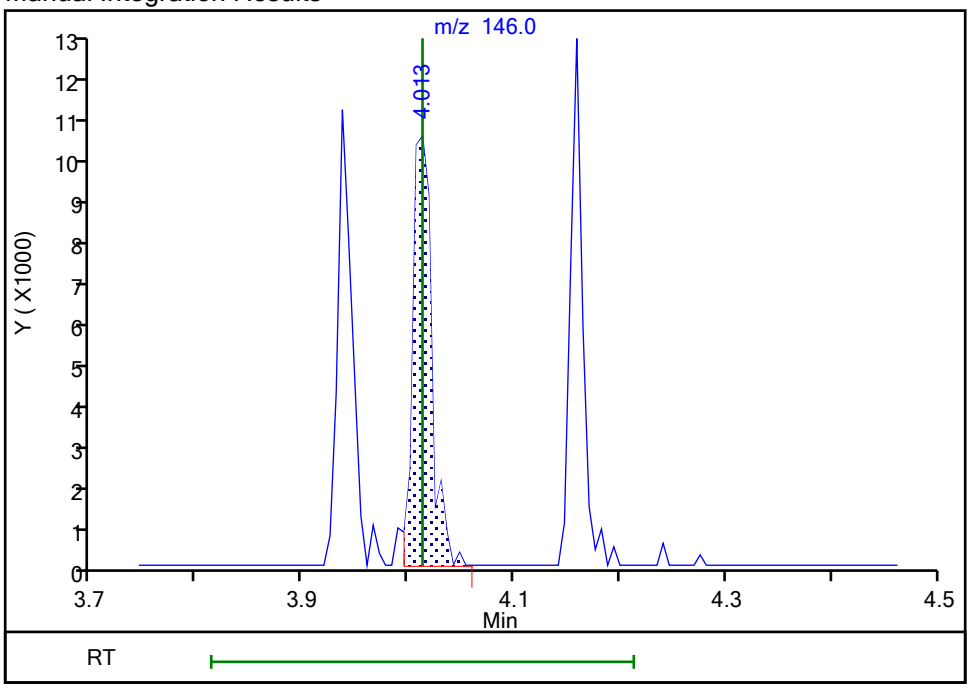
Processing Integration Results

RT: 4.16
Area: 10457
Amount: 0.227648
Amount Units: ug/ml



Manual Integration Results

RT: 4.01
Area: 12840
Amount: 0.273610
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:47:07 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

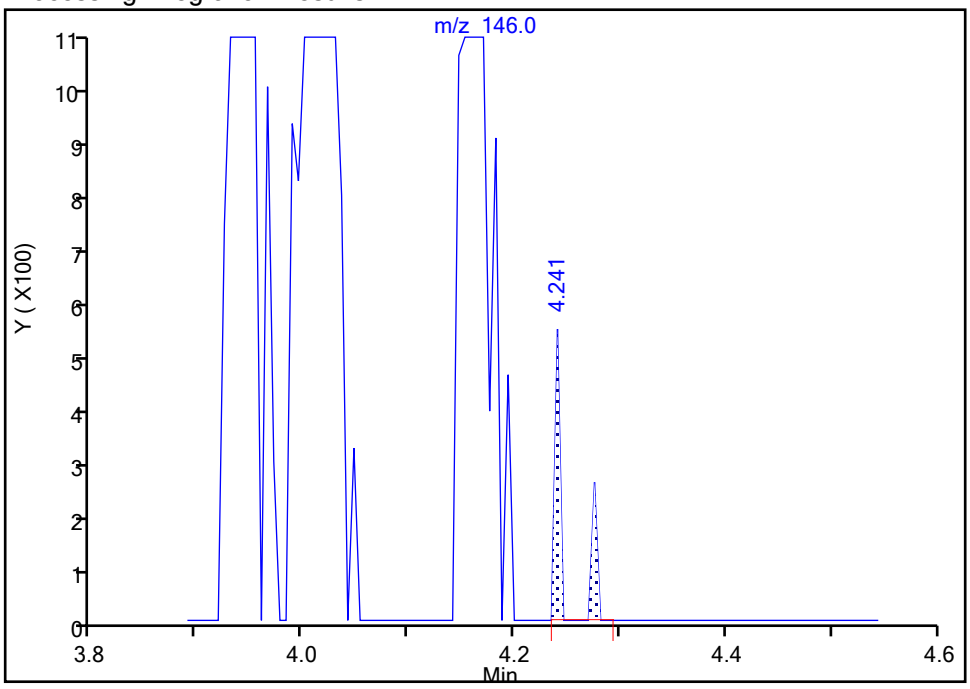
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D				
Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

27 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

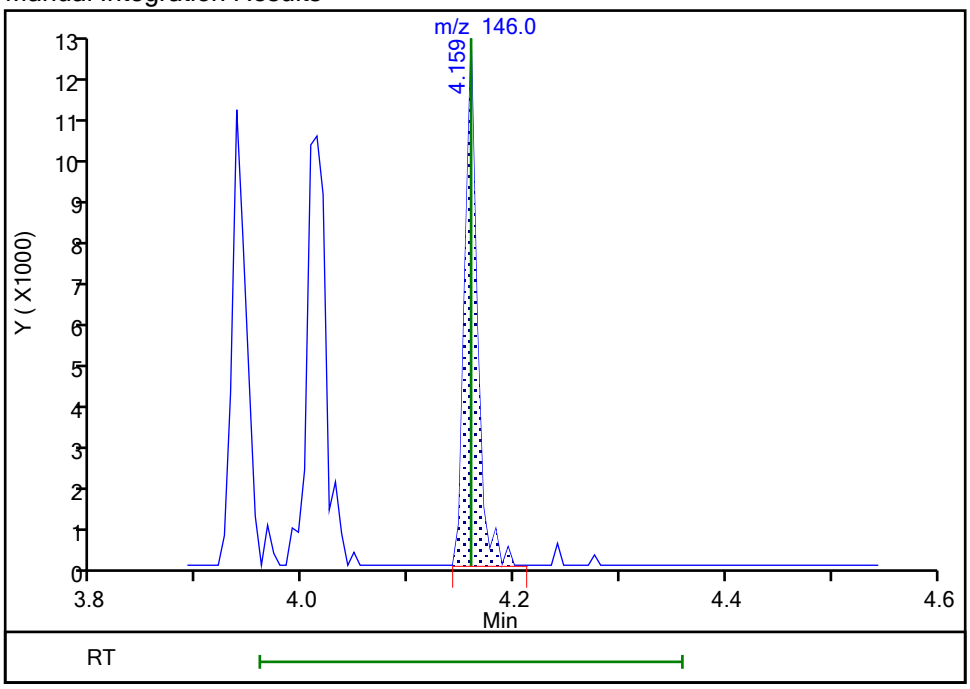
Processing Integration Results

RT: 4.24
Area: 273
Amount: 0.242352
Amount Units: ug/ml



Manual Integration Results

RT: 4.16
Area: 10457
Amount: 0.237672
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:47:00 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

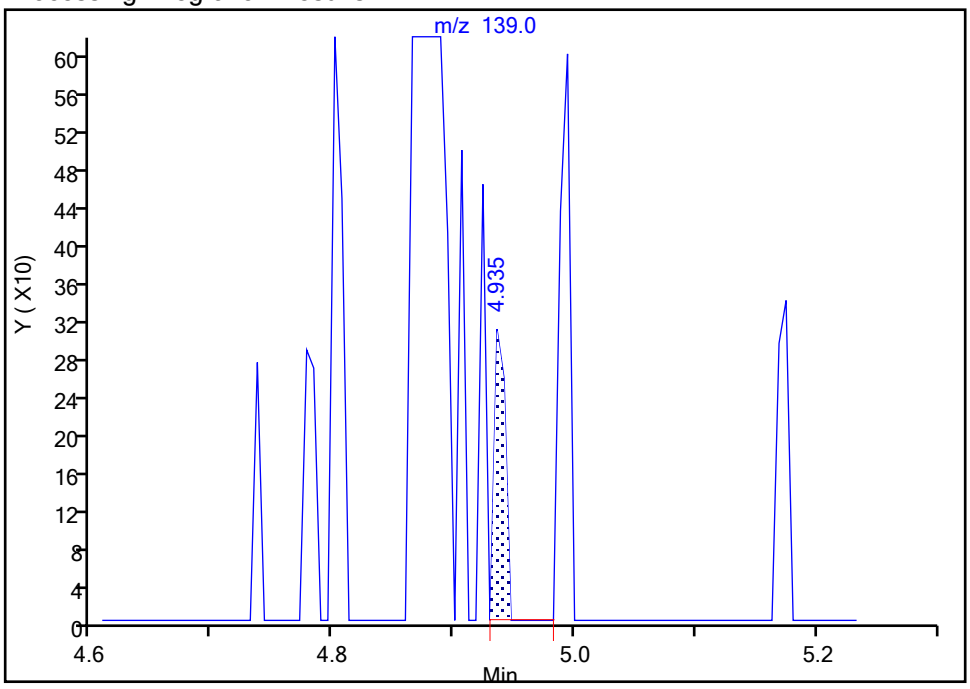
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D				
Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

43 2-Nitrophenol, CAS: 88-75-5

Signal: 1

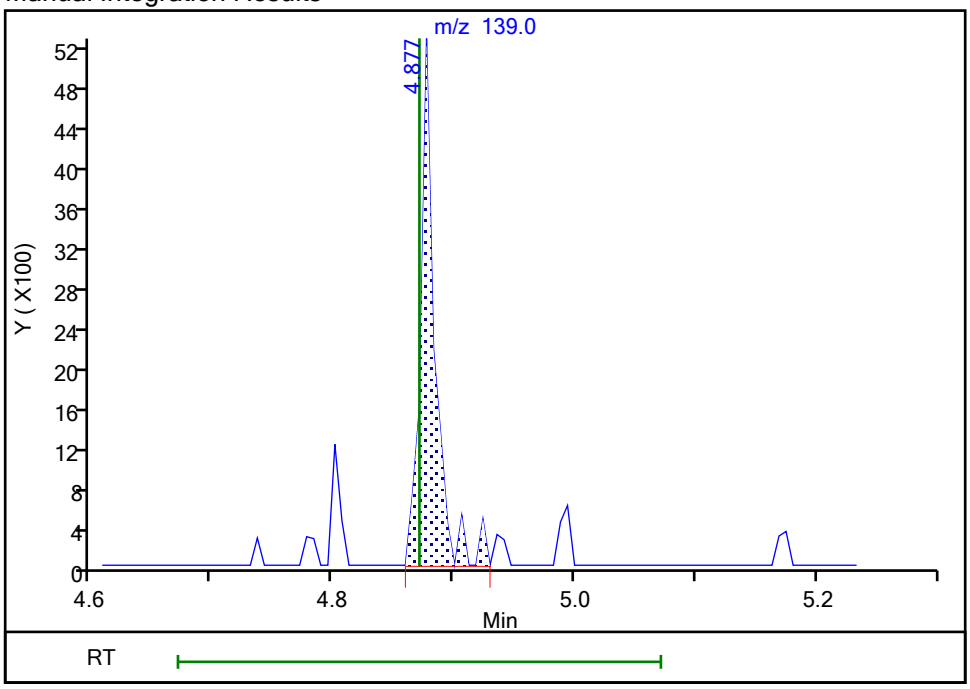
Processing Integration Results

RT: 4.94
Area: 196
Amount: 0.245717
Amount Units: ug/ml



Manual Integration Results

RT: 4.88
Area: 4321
Amount: 0.213874
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:47:15 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

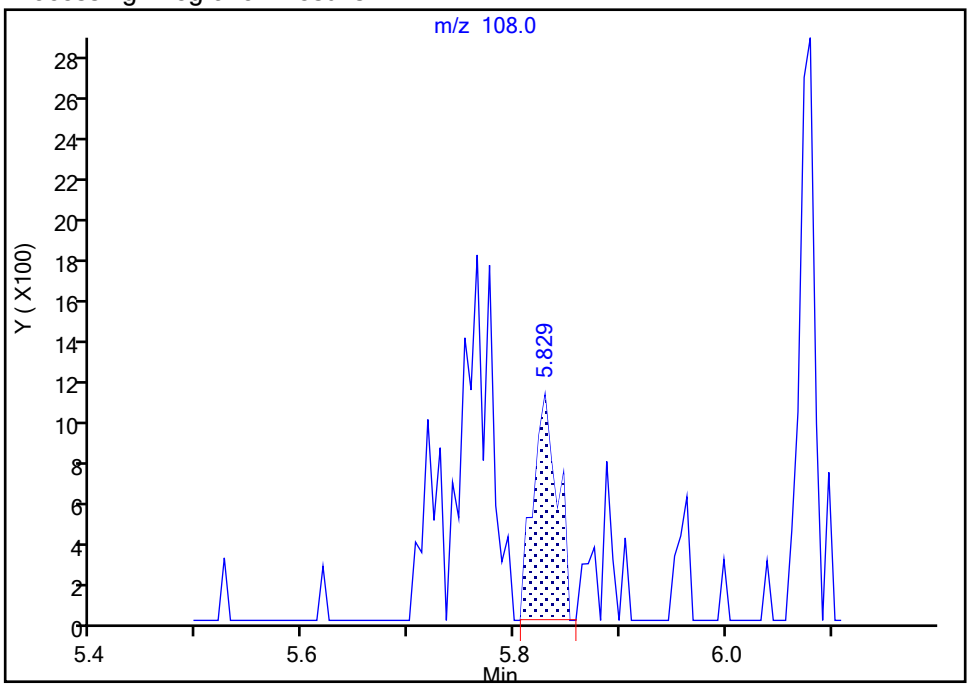
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D				
Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

64 p-Phenylene diamine, CAS: 106-50-3

Signal: 1

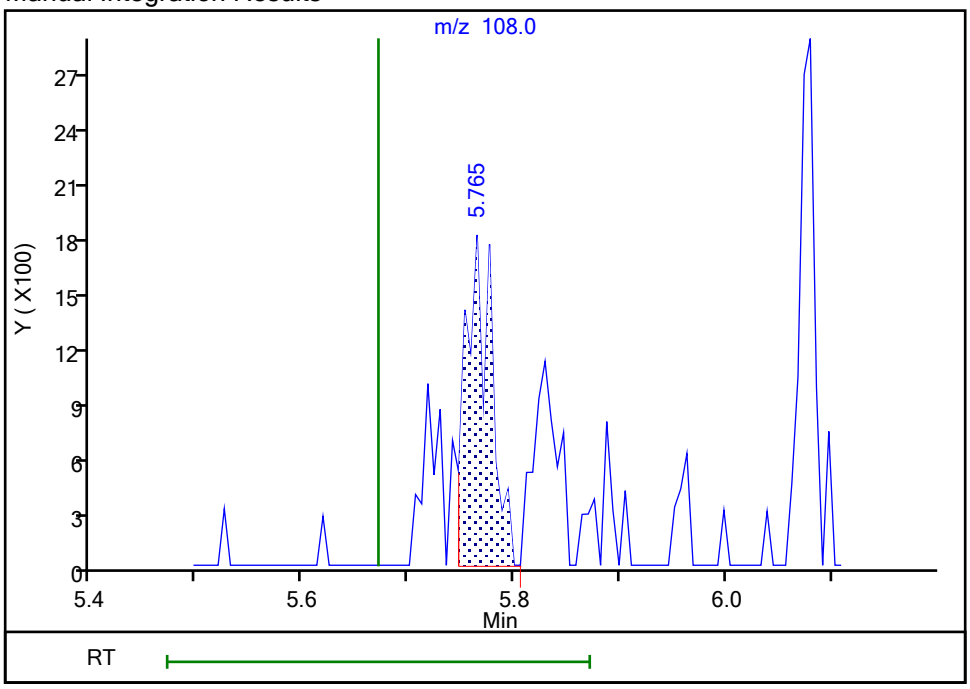
Processing Integration Results

RT: 5.83
Area: 1792
Amount: 0.257236
Amount Units: ug/ml



Manual Integration Results

RT: 5.76
Area: 2956
Amount: 0.076165
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:47:28 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

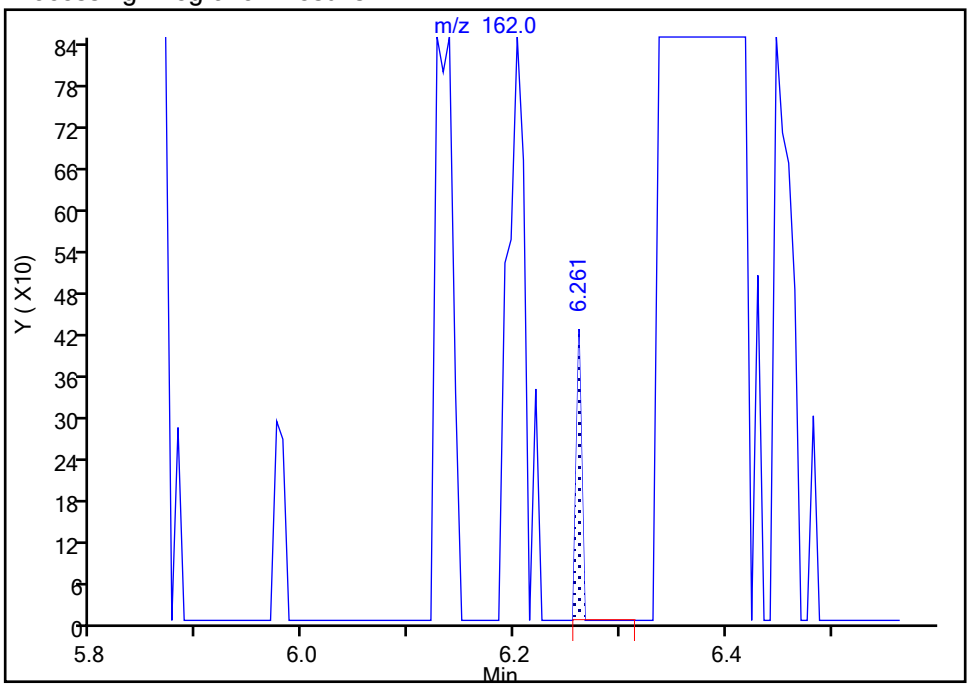
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D				
Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

72 Isosafrole Peak 1, CAS: STL03315

Signal: 1

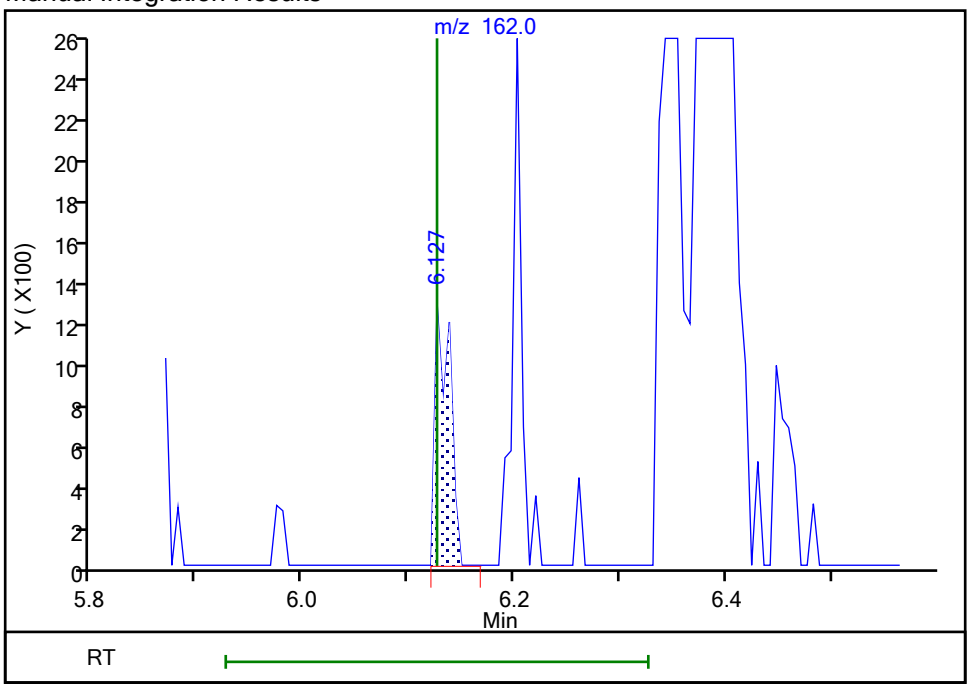
Processing Integration Results

RT: 6.26
Area: 148
Amount: 0.039092
Amount Units: ug/ml



Manual Integration Results

RT: 6.13
Area: 1251
Amount: 0.031421
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:47:37 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

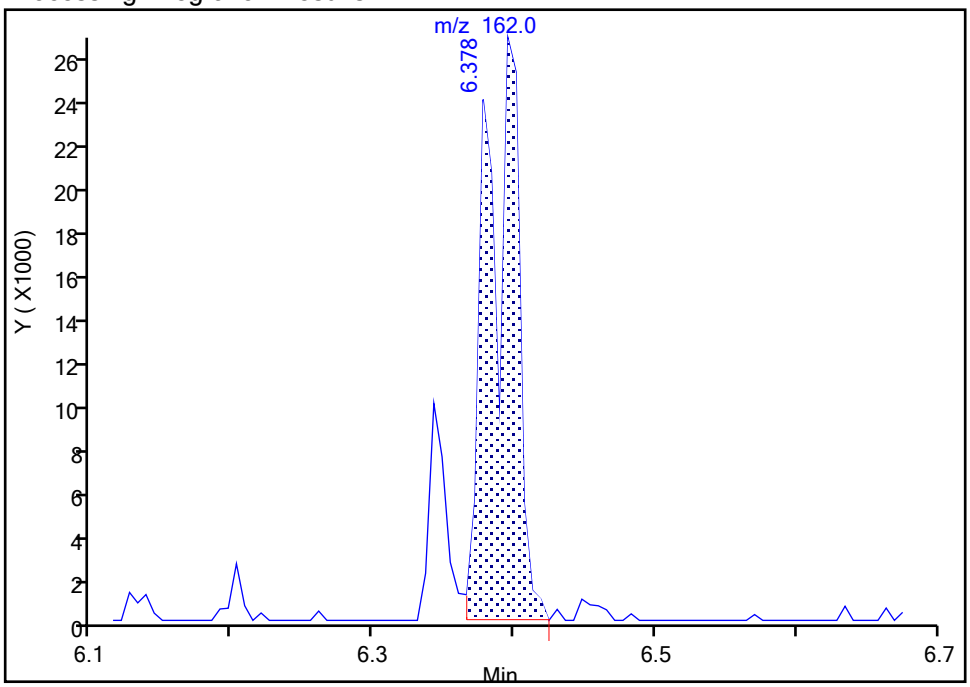
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D				
Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

84 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

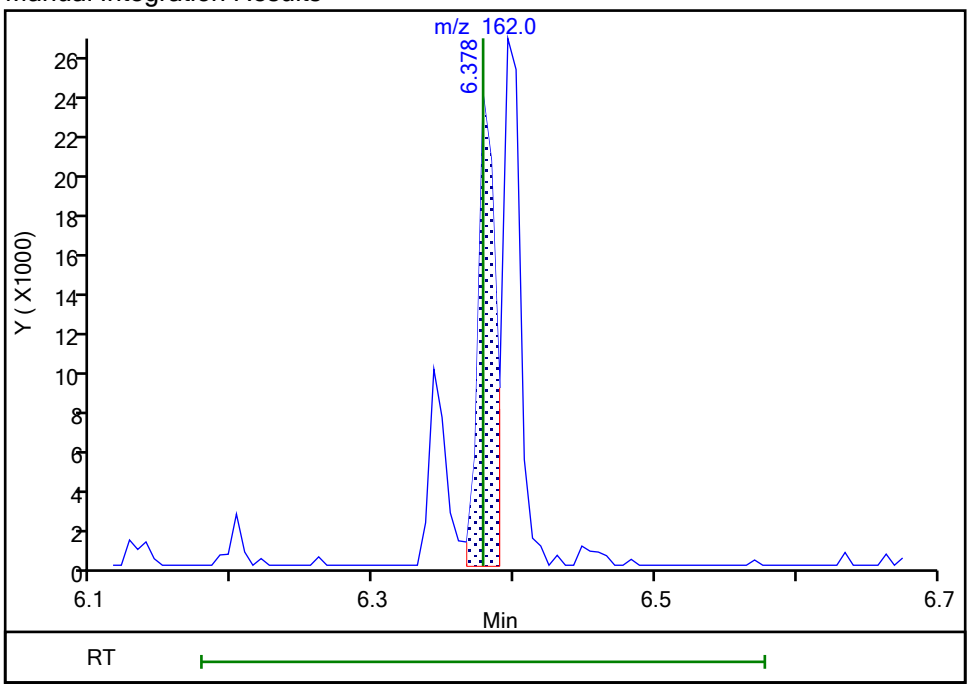
Processing Integration Results

RT: 6.38
Area: 41449
Amount: 0.255755
Amount Units: ug/ml



Manual Integration Results

RT: 6.38
Area: 19163
Amount: 0.229663
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:47:45 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

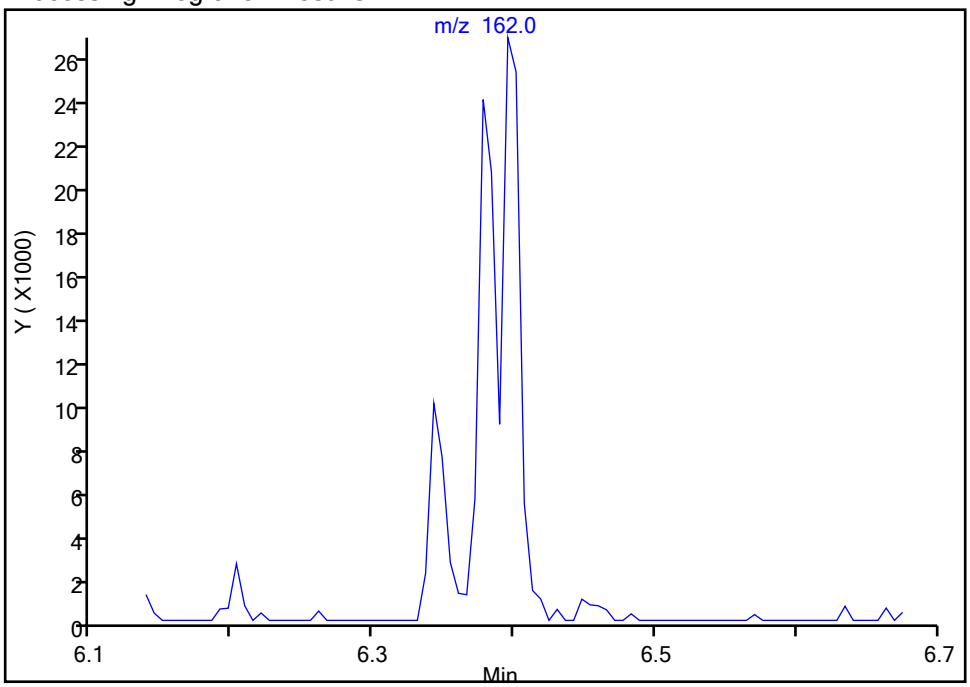
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D				
Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

85 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

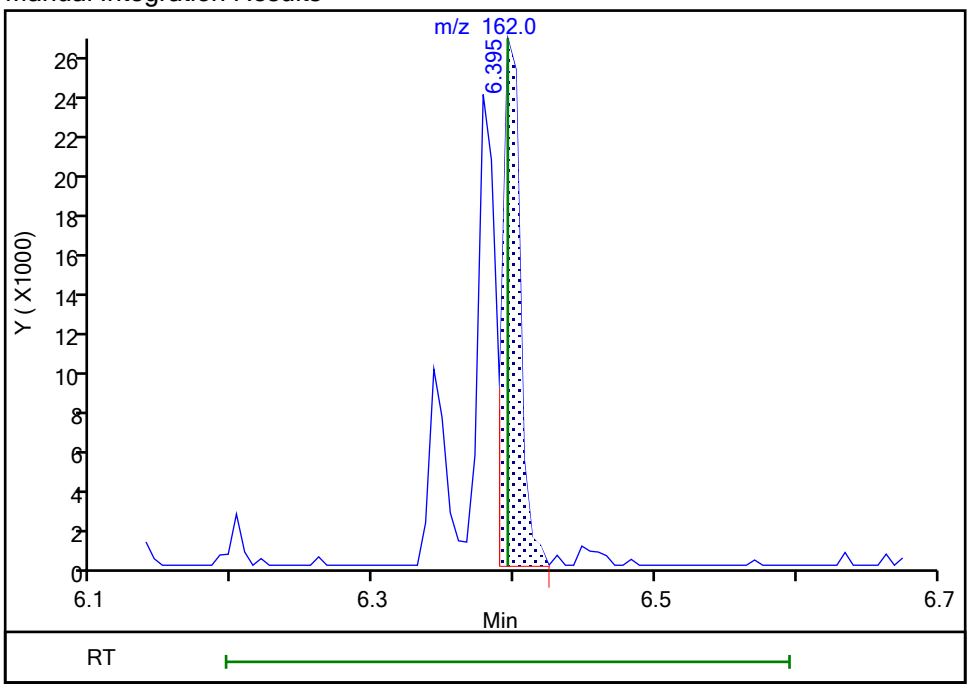
Not Detected
Expected RT: 6.40

Processing Integration Results



Manual Integration Results

RT: 6.40
Area: 22286
Amount: 0.261209
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:47:51 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

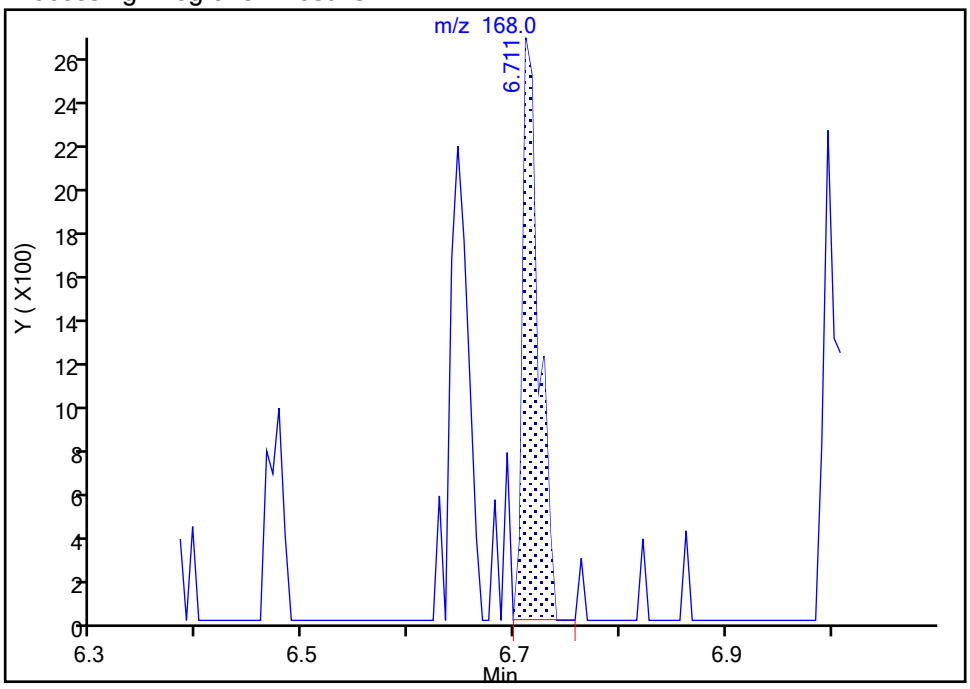
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D
Injection Date: 26-Jun-2025 01:17:30 Instrument ID: HP23264
Lims ID: IC L2
Client ID:
Operator ID: IR93211 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

89 1,4-Dinitrobenzene, CAS: 100-25-4

Signal: 1

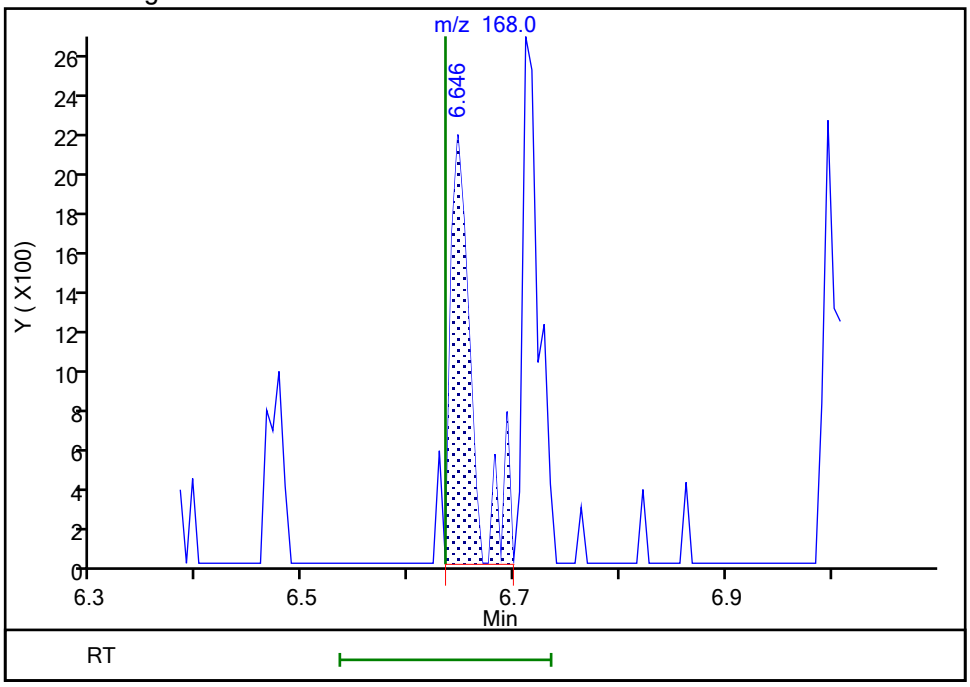
Processing Integration Results

RT: 6.71
Area: 2809
Amount: 0.227148
Amount Units: ug/ml



Manual Integration Results

RT: 6.65
Area: 2871
Amount: 0.231498
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:48:00 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

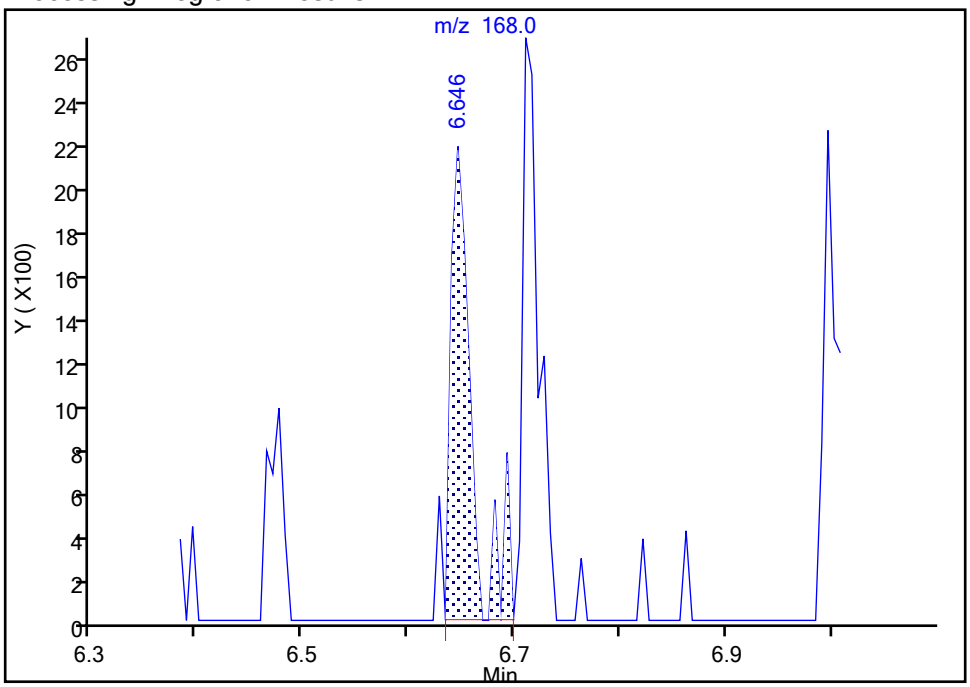
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D				
Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

91 1,3-Dinitrobenzene, CAS: 99-65-0

Signal: 1

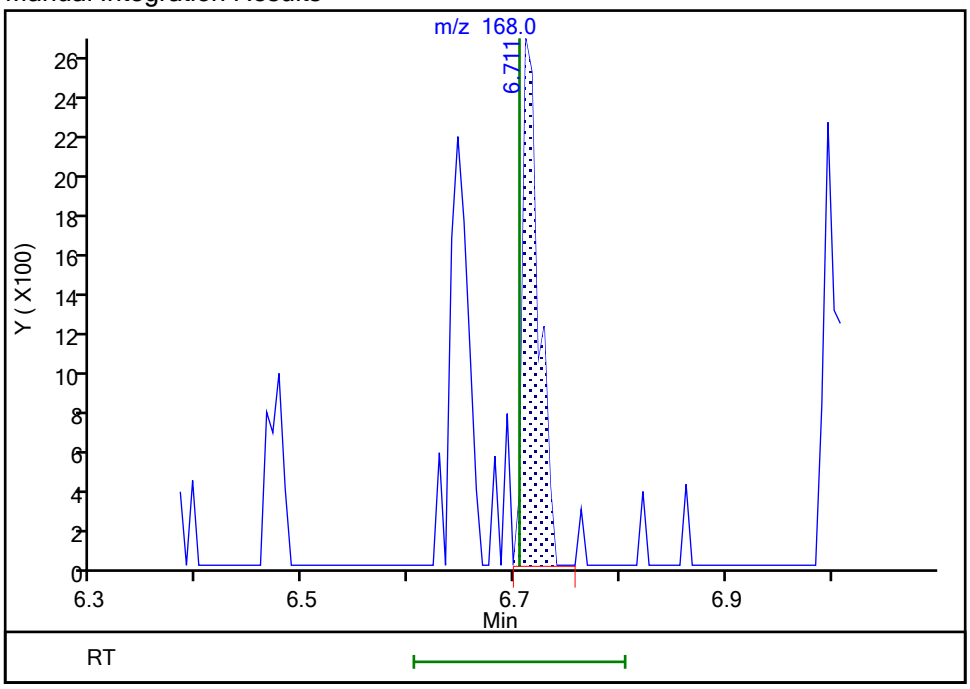
Processing Integration Results

RT: 6.65
Area: 2871
Amount: 0.210797
Amount Units: ug/ml



Manual Integration Results

RT: 6.71
Area: 2809
Amount: 0.214638
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:48:07 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

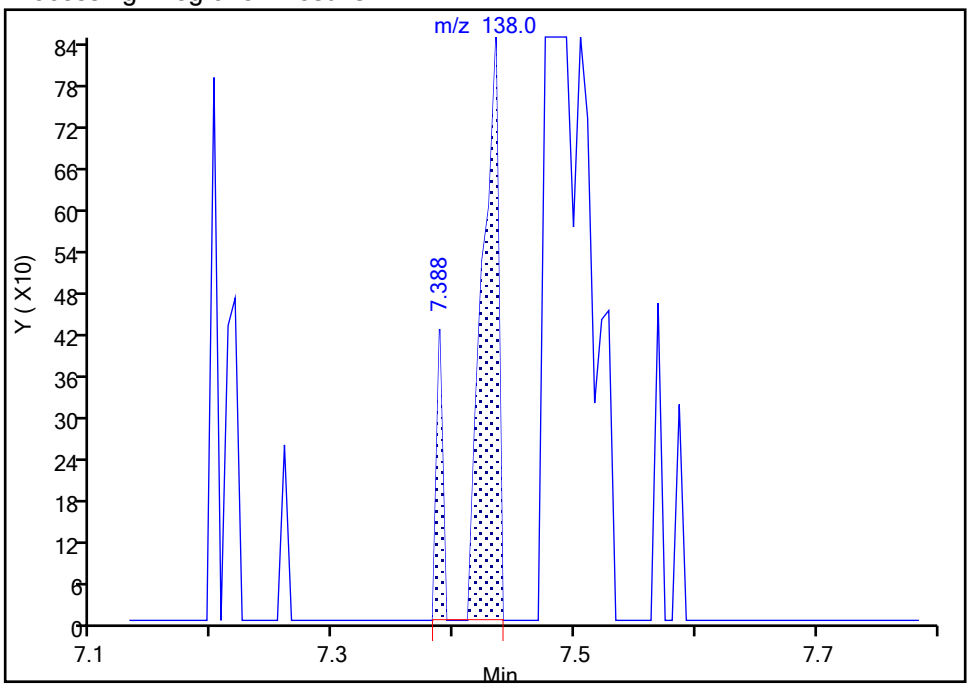
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D				
Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

112 4-Nitroaniline, CAS: 100-01-6

Signal: 1

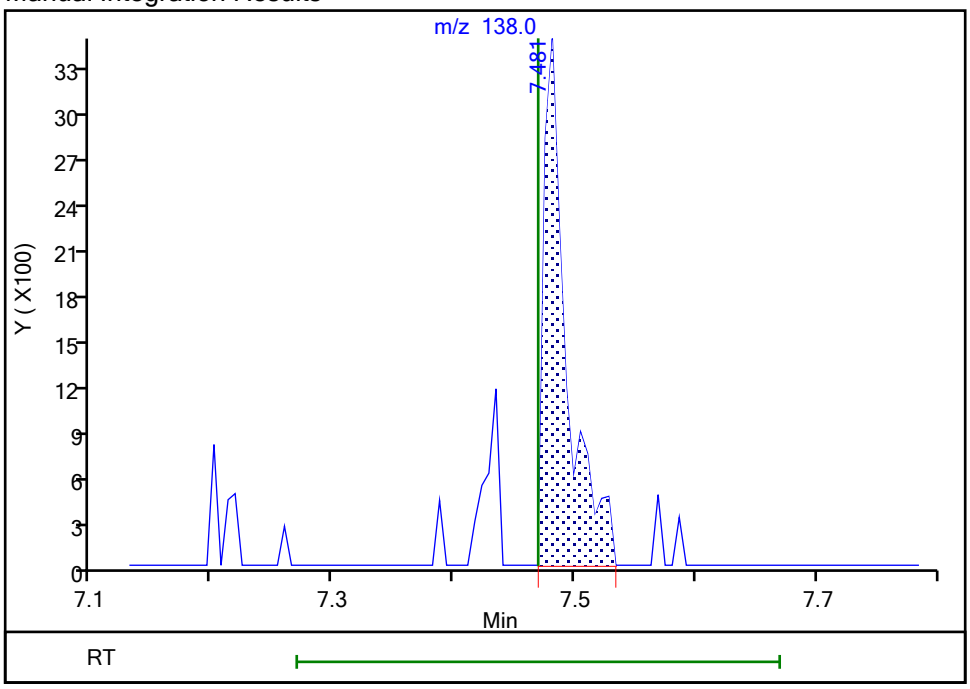
Processing Integration Results

RT: 7.39
Area: 1051
Amount: 0.248724
Amount Units: ug/ml



Manual Integration Results

RT: 7.48
Area: 4564
Amount: 0.231250
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:48:25 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

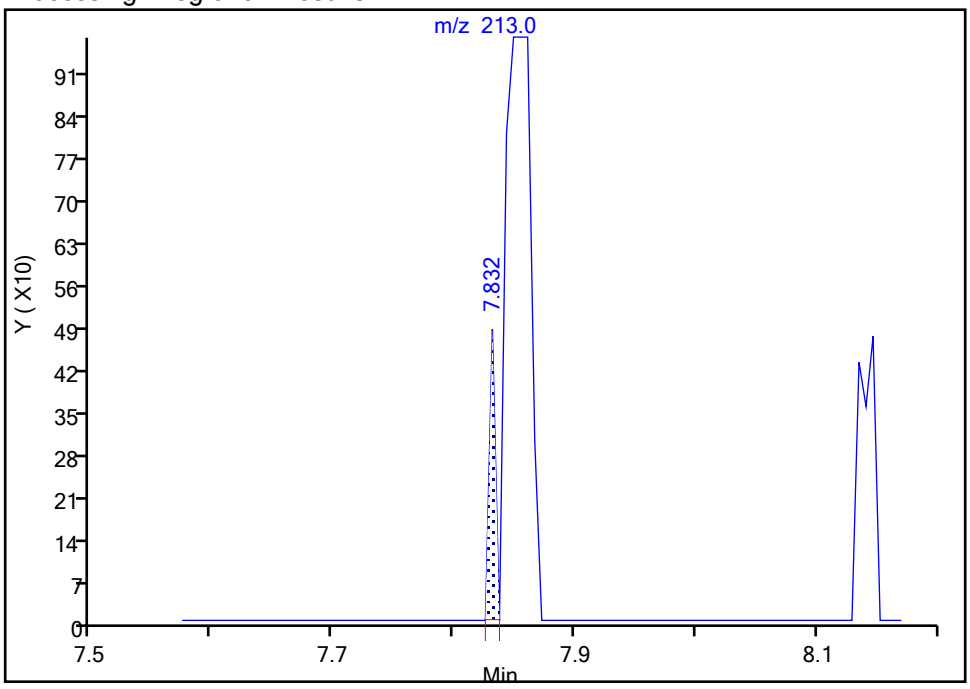
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D				
Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

118 1,3,5-Trinitrobenzene, CAS: 99-35-4

Signal: 1

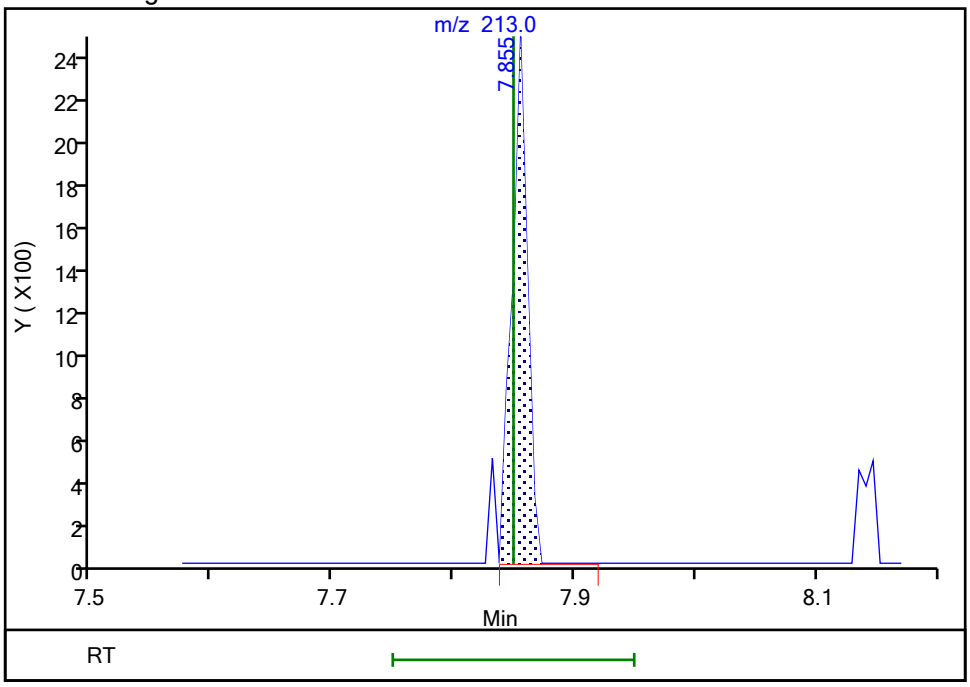
Processing Integration Results

RT: 7.83
Area: 168
Amount: 0.252700
Amount Units: ug/ml



Manual Integration Results

RT: 7.85
Area: 2154
Amount: 0.227949
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:48:37 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

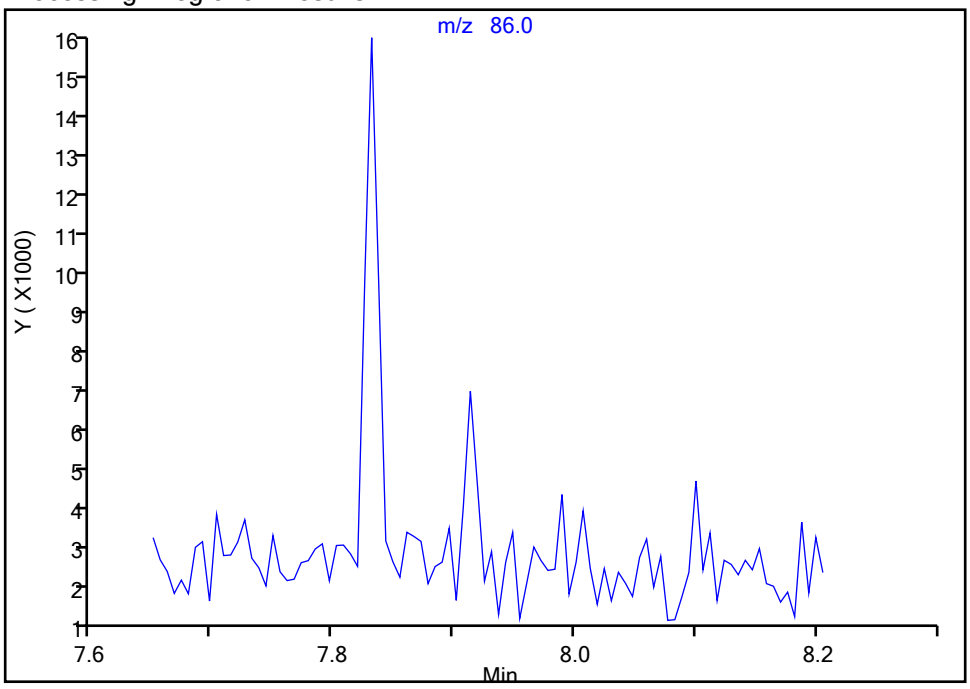
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D				
Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

123 trans-Diallate, CAS: 17708-58-6

Signal: 1

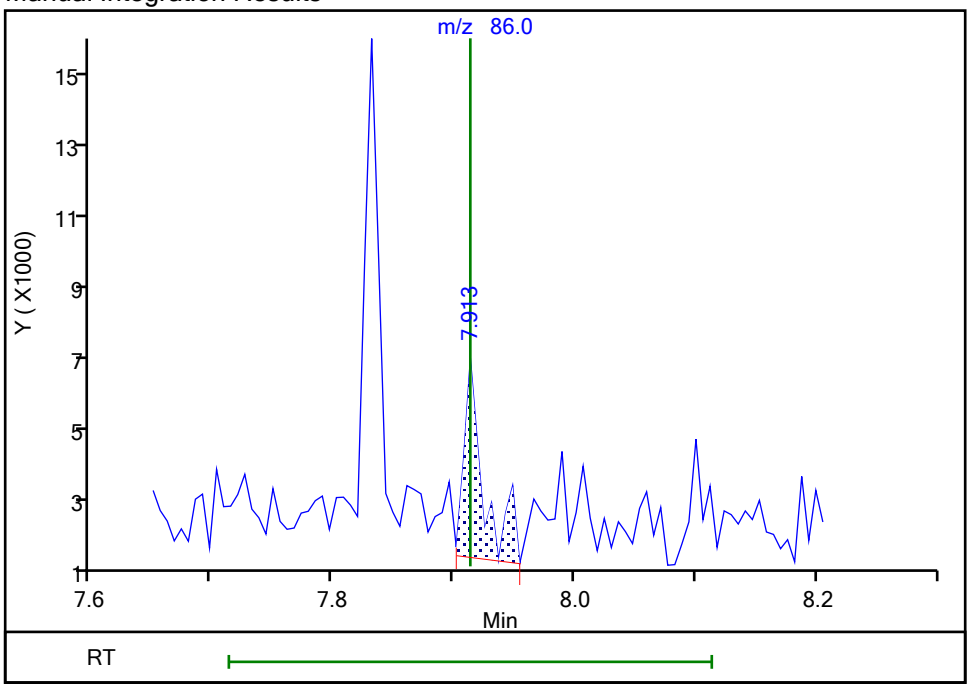
Not Detected
Expected RT: 7.91

Processing Integration Results



Manual Integration Results

RT: 7.91
Area: 5835
Amount: 0.112384
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:48:42 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

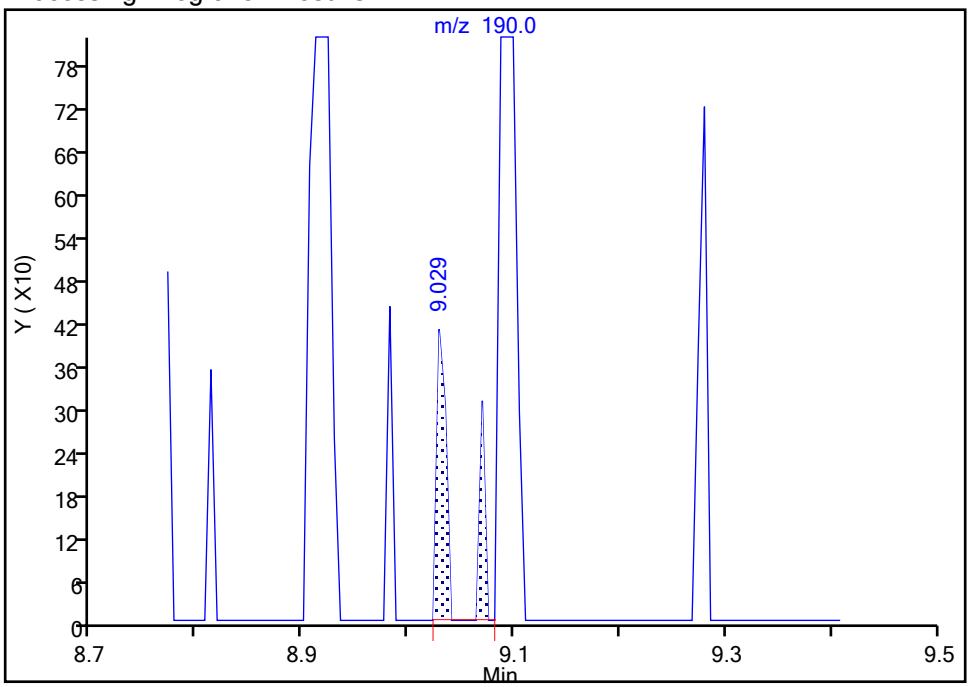
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D				
Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

140 4-Nitroquinoline-1-oxide, CAS: 56-57-5

Signal: 1

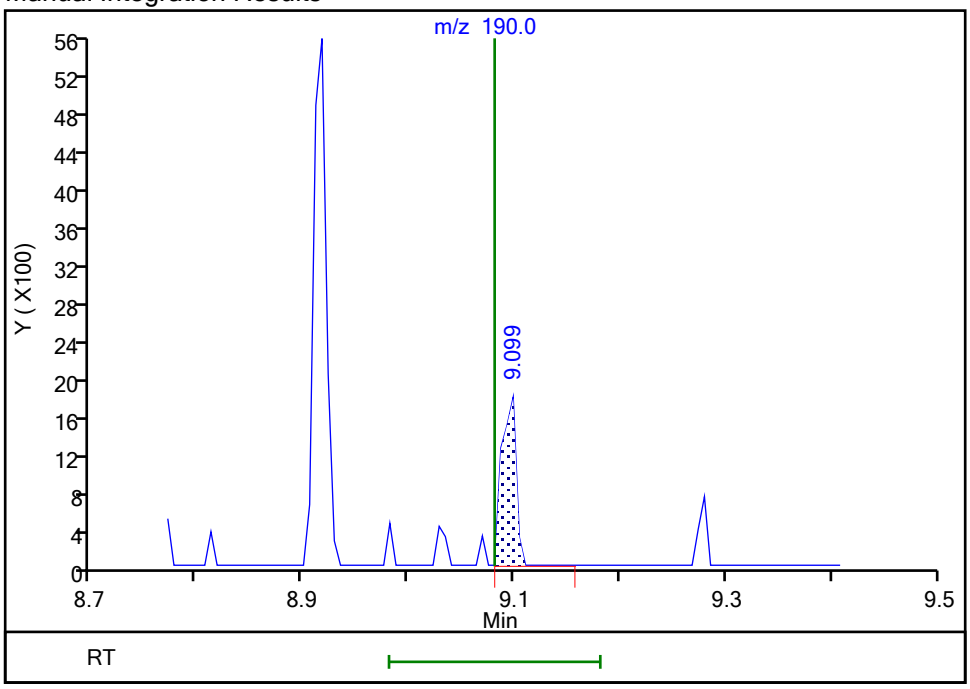
Processing Integration Results

RT: 9.03
Area: 357
Amount: 0.249036
Amount Units: ug/ml



Manual Integration Results

RT: 9.10
Area: 1674
Amount: 0.133260
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:48:56 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

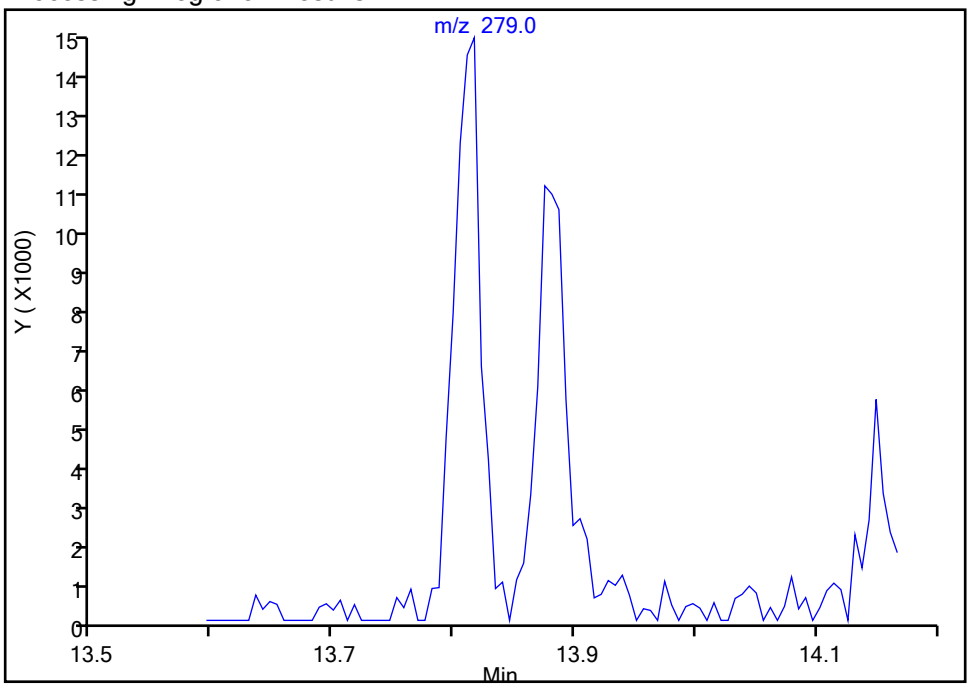
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D				
Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

170 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

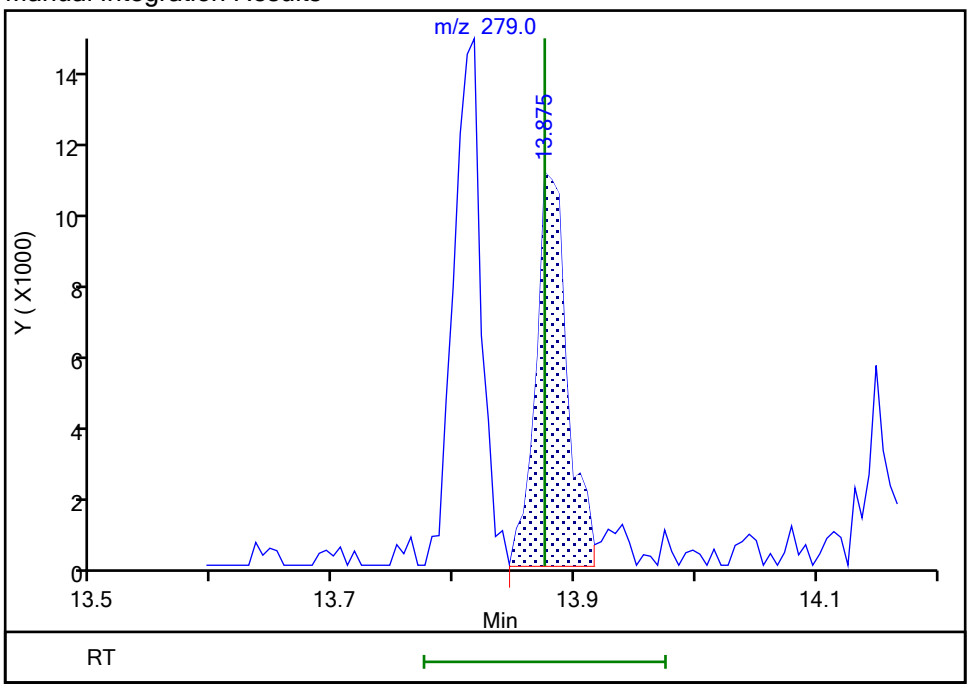
Not Detected
Expected RT: 13.87

Processing Integration Results



Manual Integration Results

RT: 13.88
Area: 19752
Amount: 0.218990
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:49:16 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 26-Jun-2025 01:38:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0151575-009
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub57

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:32:41 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:52:27

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.438	1.426	0.012	48	12992	0.1250	0.6848	
	2 N-Nitrosodimethylamine	74	1.654	1.648	0.006	2	3068	0.1250	0.0962	
	3 Pyridine	79	1.759	1.683	0.076	85	18512	0.2500	0.3247	
	4 Dimethylformamide	73	1.993	1.998	-0.005	12	4886	0.1250	0.1321	
	5 2-Picoline	93	2.308	2.249	0.059	68	5553	0.1250	0.1122	
	6 N-Nitrosomethylethylamine	88	2.355	2.325	0.030	5	6365	0.1250	0.2750	
	7 Methyl methanesulfonate	80	2.617	2.594	0.023	51	5302	0.1250	0.1462	
$	9 2-Fluorophenol	112	2.763	2.752	0.011	88	7989	0.2500	0.2092	
	11 N-Nitrosodiethylamine	102	2.962	2.944	0.018	49	3550	0.1250	0.1540	
	12 Ethyl methanesulfonate	109	3.266	3.254	0.012	65	2253	0.1250	0.1014	
	13 Benzaldehyde	77	3.587	3.575	0.012	45	5261	0.1250	0.1076	a
$	15 Phenol-d5	99	3.686	3.674	0.012	86	12314	0.2500	0.2152	
	17 Aniline	93	3.692	3.686	0.006	40	6831	0.1250	0.0924	a
	16 Phenol	94	3.704	3.686	0.018	42	6362	0.1250	0.0947	
	18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	77	6446	0.1250	0.1332	
	19 2-Chlorophenol	128	3.809	3.797	0.012	44	4195	0.1250	0.1109	a
	21 1,3-Dichlorobenzene	146	3.937	3.937	0.000	90	6060	0.1250	0.1356	
*	22 1,4-Dichlorobenzene-d4	152	3.995	3.995	0.000	96	156408	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.019	4.013	0.006	67	5353	0.1250	0.1181	
	26 Benzyl alcohol	108	4.165	4.153	0.012	32	3050	0.1250	0.1050	a
	27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	81	5005	0.1250	0.1178	
	30 2,2'-oxybis[1-chloropropane]	45	4.276	4.276	0.000	90	12020	0.1250	0.1357	
	29 2-Methylphenol	108	4.282	4.276	0.006	65	5793	0.1250	0.1350	a
	31 N-Nitrosopyrrolidine	100	4.398	4.387	0.011	45	2803	0.1250	0.1098	
	32 Acetophenone	105	4.404	4.398	0.006	85	7573	0.1250	0.1087	
	33 N-Nitrosodi-n-propylamine	70	4.404	4.404	0.000	84	4792	0.1250	0.1053	
	35 N-Nitrosomorpholine	56	4.428	4.427	0.001	40	4261	0.1250	0.1183	
	34 4-Methylphenol	108	4.445	4.433	0.012	56	4412	0.1250	0.0964	a
	36 2-Toluidine	106	4.433	4.433	0.000	87	8860	0.1250	0.1212	
	37 Hexachloroethane	117	4.480	4.480	0.000	70	3248	0.1250	0.1479	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.544	4.544	0.000	86	15195	0.2500	0.2432	
40 Nitrobenzene	77	4.568	4.562	0.006	63	7400	0.1250	0.1138	
41 N-Nitrosopiperidine	114	4.714	4.708	0.006	43	2475	0.1250	0.1150	
42 Isophorone	82	4.795	4.795	0.000	96	14387	0.1250	0.1281	
43 2-Nitrophenol	139	4.877	4.871	0.006	39	2259	0.1250	0.1198	
44 2,4-Dimethylphenol	107	4.941	4.935	0.006	88	4768	0.1250	0.1027	
46 o,o',o''-Triethylphosphorothioat	198	4.994	4.994	0.000	83	2496	0.1250	0.1203	
47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	55	6489	0.1250	0.1008	
49 2,4-Dichlorophenol	162	5.128	5.116	0.012	1	3690	0.1250	0.1065	
50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	88	5182	0.1250	0.1224	
* 52 Naphthalene-d8	136	5.228	5.227	0.001	99	523711	5.00	5.00	
53 Naphthalene	128	5.251	5.251	0.000	91	15126	0.1250	0.1347	
55 Alpha-Terpineol	59	5.274	5.274	0.000	81	7446	0.1250	0.1391	
56 4-Chloroaniline	127	5.333	5.321	0.012	54	4066	0.1250	0.0923	
57 2,6-Dichlorophenol	162	5.333	5.327	0.006	80	4796	0.1250	0.1349	
58 Hexachloropropene	213	5.333	5.332	0.001	89	3934	0.1250	0.1158	
59 Hexachlorobutadiene	225	5.368	5.373	-0.005	24	3013	0.1250	0.1128	
61 Quinoline	129	5.590	5.578	0.012	63	9060	0.1250	0.1238	
63 N-Nitrosodi-n-butylamine	84	5.654	5.654	0.000	42	12023	0.1250	0.2431	
62 Caprolactam	113	5.671	5.654	0.017	1	1008	0.1250	0.0982	
64 p-Phenylene diamine	108	5.560	5.671	-0.111	1	114	0.1250	0.003146	
65 4-Chloro-3-methylphenol	107	5.829	5.817	0.012	34	6965	0.1250	0.1584	a
66 Safrole, Total	162	5.846	5.846	0.000	25	3553	0.1250	0.1165	
67 2-Methylnaphthalene	142	5.917	5.916	0.001	90	7386	0.1250	0.1123	
69 1-Methylnaphthalene	142	6.010	6.010	0.000	90	10236	0.1250	0.1421	
71 Hexachlorocyclopentadiene	237	6.068	6.068	0.000	87	3944	0.1250	0.1140	
70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	88	6621	0.1250	0.1356	
72 Isosafrole Peak 1	162	6.127	6.127	0.000	1	941	0.0200	0.0250	
79 2,4,6-Trichlorophenol	196	6.208	6.202	0.006	74	2766	0.1250	0.1020	
80 2,4,5-Trichlorophenol	196	6.255	6.243	0.012	38	2615	0.1250	0.0865	
$ 81 2-Fluorobiphenyl (Surr)	172	6.279	6.278	0.001	95	21472	0.2500	0.2298	
82 Isosafrole Peak 2	162	6.349	6.343	0.006	32	5043	0.1050	0.1242	a
83 1,1'-Biphenyl	154	6.366	6.366	0.000	93	11040	0.1250	0.1163	
84 2-Chloronaphthalene	162	6.378	6.378	0.000	60	8720	0.1250	0.1104	
85 1-Chloronaphthalene	162	6.401	6.395	0.006	95	11993	0.1250	0.1485	
86 Phenyl ether	170	6.471	6.471	0.000	86	8373	0.1250	0.1417	
87 2-Nitroaniline	138	6.512	6.494	0.018	21	2746	0.1250	0.1227	
S 24 Dinitrotoluene	165				0		0.2500	0.2375	
88 1,4-Naphthoquinone	158	6.570	6.559	0.011	71	3393	0.1250	0.1139	
89 1,4-Dinitrobenzene	168	6.646	6.635	0.011	32	732	0.1250	0.0623	
90 Dimethyl phthalate	163	6.681	6.681	0.000	88	13241	0.1250	0.1403	
91 1,3-Dinitrobenzene	168	6.722	6.705	0.017	24	1137	0.1250	0.0918	
92 2,6-Dinitrotoluene	165	6.740	6.734	0.006	52	2609	0.1250	0.1293	
93 Acenaphthylene	152	6.769	6.769	0.000	97	15551	0.1250	0.1248	
95 3-Nitroaniline	138	6.897	6.891	0.006	33	1566	0.1250	0.0806	
* 96 Acenaphthene-d10	164	6.903	6.903	0.000	95	328987	5.00	5.00	
97 Acenaphthene	153	6.933	6.932	0.000	92	10373	0.1250	0.1280	
98 2,4-Dinitrophenol	184	6.997	6.991	0.006	74	11601	1.25	0.8825	
99 Pentachlorobenzene	250	7.067	7.061	0.006	88	5097	0.1250	0.1257	
100 4-Nitrophenol	109	7.119	7.090	0.029	63	7593	0.7500	0.4890	
101 Dibenzofuran	168	7.102	7.102	0.000	95	14724	0.1250	0.1304	
102 2,4-Dinitrotoluene	165	7.119	7.113	0.006	68	3000	0.1250	0.1082	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
104 1-Naphthylamine	143	7.184	7.183	0.001	89	7599	0.1250	0.1040	
105 2,3,4,6-Tetrachlorophenol	232	7.242	7.230	0.012	1	3577	0.1250	0.1361	
106 2-Naphthylamine	143	7.265	7.259	0.006	85	8084	0.1250	0.1060	
107 Diethyl phthalate	149	7.353	7.353	0.000	95	12237	0.1250	0.1294	
108 Fluorene	166	7.429	7.423	0.006	92	10629	0.1250	0.1232	
109 Thionazin	107	7.423	7.423	0.000	55	3440	0.1250	0.1970	
110 4-Chlorophenyl phenyl ether	204	7.441	7.440	0.000	85	6879	0.1250	0.1482	
111 N-Nitro-o-toluidine	152	7.470	7.458	0.012	43	3586	0.1250	0.1491	
112 4-Nitroaniline	138	7.481	7.470	0.011	39	1415	0.1250	0.0757	
113 4,6-Dinitro-2-methylphenol	198	7.499	7.499	0.000	62	8814	0.7500	0.5097	
114 N-Nitrosodiphenylamine	169	7.557	7.557	0.000	63	7334	0.1063	0.1009	
115 1,2-Diphenylhydrazine	77	7.586	7.586	0.000	97	19321	0.1250	0.1355	
$ 116 2,4,6-Tribromophenol	330	7.657	7.656	0.001	85	3238	0.2500	0.2068	
117 Sulfotepp	97	7.727	7.726	0.001	70	3451	0.1250	0.1401	
120 cis-Diallate	86	7.832	7.832	0.000	71	7880	0.0925	0.1636	
119 Phorate	75	7.843	7.843	0.000	88	13218	0.1250	0.1091	
118 1,3,5-Trinitrobenzene	213	7.861	7.849	0.012	53	228	0.1250	0.0253	a
121 Phenacetin	108	7.884	7.872	0.012	36	3978	0.1250	0.0729	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	69	2710	0.1250	0.0964	
123 trans-Diallate	86		7.913				ND	ND	
124 Hexachlorobenzene	284	7.949	7.942	0.006	83	3924	0.1250	0.1166	
125 Dimethoate	87	8.001	8.007	-0.006	16	5690	0.1250	0.1235	a
126 Atrazine	200	8.077	8.083	-0.006	77	4147	0.1250	0.1484	
127 Pentachlorophenol	266	8.147	8.147	0.000	85	9196	0.6250	0.4435	
129 4-Aminobiphenyl	169	8.153	8.147	0.006	60	13821	0.1250	0.1401	
128 Pentachloronitrobenzene	237	8.153	8.153	0.000	50	1678	0.1250	0.0997	
130 Pronamide	173	8.223	8.223	0.000	83	5465	0.1250	0.1168	
* 131 Phenanthrene-d10	188	8.305	8.310	-0.005	98	625812	5.00	5.00	
132 Phenanthrene	178	8.328	8.328	0.000	95	19058	0.1250	0.1378	
133 Dinoseb	211	8.328	8.334	-0.006	66	2530	0.1250	0.0986	
134 Disulfoton	88	8.340	8.340	0.000	60	9247	0.1250	0.1248	a
135 Anthracene	178	8.381	8.380	0.001	96	16705	0.1250	0.1231	
136 Carbazole	167	8.556	8.550	0.006	95	14677	0.1250	0.1209	
137 Methyl parathion	109	8.696	8.696	0.000	83	3764	0.1250	0.1090	
138 Di-n-butyl phthalate	149	8.906	8.906	0.000	98	18048	0.1250	0.1267	
139 Ethyl Parathion	109	9.070	9.069	0.001	1	1591	0.1250	0.0807	
140 4-Nitroquinoline-1-oxide	190	9.093	9.081	0.012	1	353	0.1250	0.0295	
142 Octachlorostyrene	308	9.286	9.285	0.001	43	1752	0.1250	0.1368	
143 Isodrin	193	9.309	9.309	0.000	84	5352	0.1250	0.2644	
144 Fluoranthene	202	9.455	9.455	0.000	97	18249	0.1250	0.1201	
145 Benzidine	184	9.618	9.612	0.006	94	18201	0.3750	0.2101	
* 146 Pyrene-d10 (IS)	212	9.648	9.647	0.001	98	660830	5.00	5.00	
S 68 Diallate	86				0		0.1250	0.1636	
147 Pyrene	202	9.665	9.665	0.000	96	22394	0.1250	0.1387	
$ 148 p-Terphenyl-d14	244	9.840	9.840	0.000	97	24292	0.2500	0.2724	
149 p-Dimethylamino azobenzene	225	9.980	9.980	0.000	81	3069	0.1250	0.1458	M
150 Chlorobenzilate	139	10.033	10.033	0.000	82	5368	0.1250	0.1243	
152 3,3'-Dimethylbenzidine	212	10.313	10.307	0.006	96	8275	0.1250	0.1104	
153 Butyl benzyl phthalate	149	10.337	10.337	0.001	91	8260	0.1250	0.1411	
155 2-Acetylaminofluorene	181	10.570	10.564	0.006	25	3592	0.1250	0.0721	
156 Benzo[a]anthracene	228	10.868	10.868	0.000	97	18004	0.1250	0.1410	
157 3,3'-Dichlorobenzidine	252	10.874	10.868	0.006	57	5673	0.1250	0.1220	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
158	4,4'-Methylene bis(2-chloroanil	231	10.880	10.880	0.000	57	3646	0.1250	0.1465	
159	Chrysene	228	10.909	10.909	0.000	93	16690	0.1250	0.1345	
160	Bis(2-ethylhexyl) phthalate	149	10.973	10.979	-0.006	91	9516	0.1250	0.1217	
S 94	Isosafrole	162				0		0.1250	0.1492	
161	6-Methylchrysene	242	11.434	11.428	0.006	96	11046	0.1250	0.1397	
162	Di-n-octyl phthalate	149	11.761	11.767	-0.006	95	14732	0.1250	0.1229	
163	7,12-Dimethylbenz(a)anthracene	256	12.147	12.147	0.000	69	4465	0.1250	0.1008	
164	Benzo[b]fluoranthene	252	12.147	12.147	0.000	92	12297	0.1250	0.1096	
165	Benzo[k]fluoranthene	252	12.188	12.182	0.006	96	16467	0.1250	0.1420	
166	Benzo[a]pyrene	252	12.573	12.567	0.006	77	14308	0.1250	0.1334	
* 167	Perylene-d12	264	12.643	12.643	0.000	98	461412	5.00	5.00	
168	3-Methylcholanthrene	268	13.058	13.057	0.001	7	5600	0.1250	0.1166	
169	Dibenz[a,h]acridine	279	13.805	13.805	0.000	88	9796	0.1250	0.1199	
170	Dibenz[a,j]acridine	279	13.881	13.875	0.006	27	10675	0.1250	0.1294	Ma
171	Indeno[1,2,3-cd]pyrene	276	14.097	14.103	-0.006	93	12534	0.1250	0.1273	
172	Dibenz(a,h)anthracene	278	14.150	14.144	0.006	1	12018	0.1250	0.1294	
173	Benzo[g,h,i]perylene	276	14.453	14.453	0.000	91	12396	0.1250	0.1235	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_1_00043 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 10:32:42 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Injection Date: 26-Jun-2025 01:38:30 Instrument ID: HP23264 Operator ID: IR93211

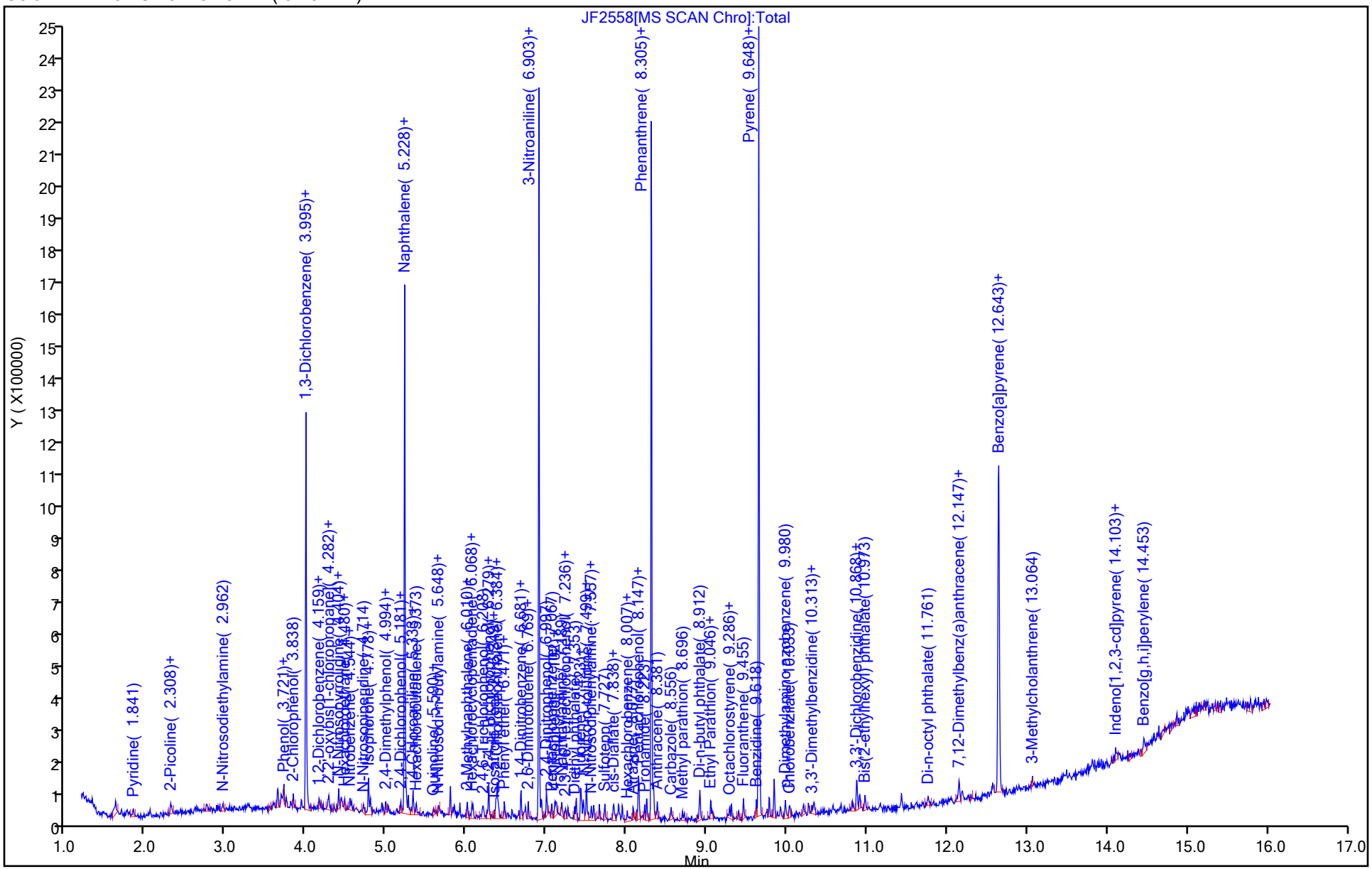
Lims ID: IC L1 Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 9

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

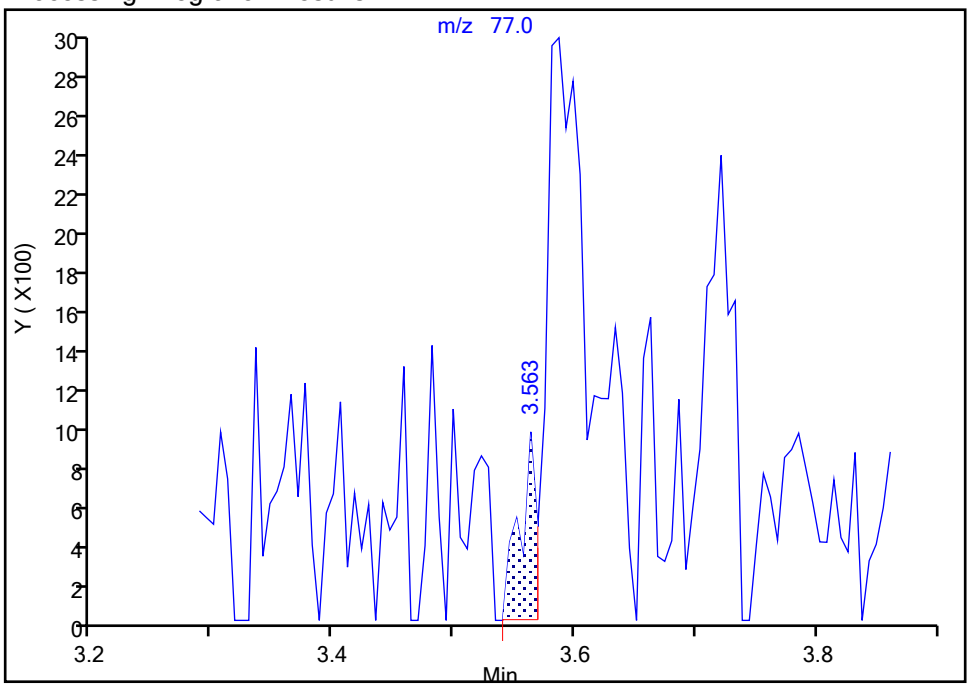
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D				
Injection Date:	26-Jun-2025 01:38:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

13 Benzaldehyde, CAS: 100-52-7

Signal: 1

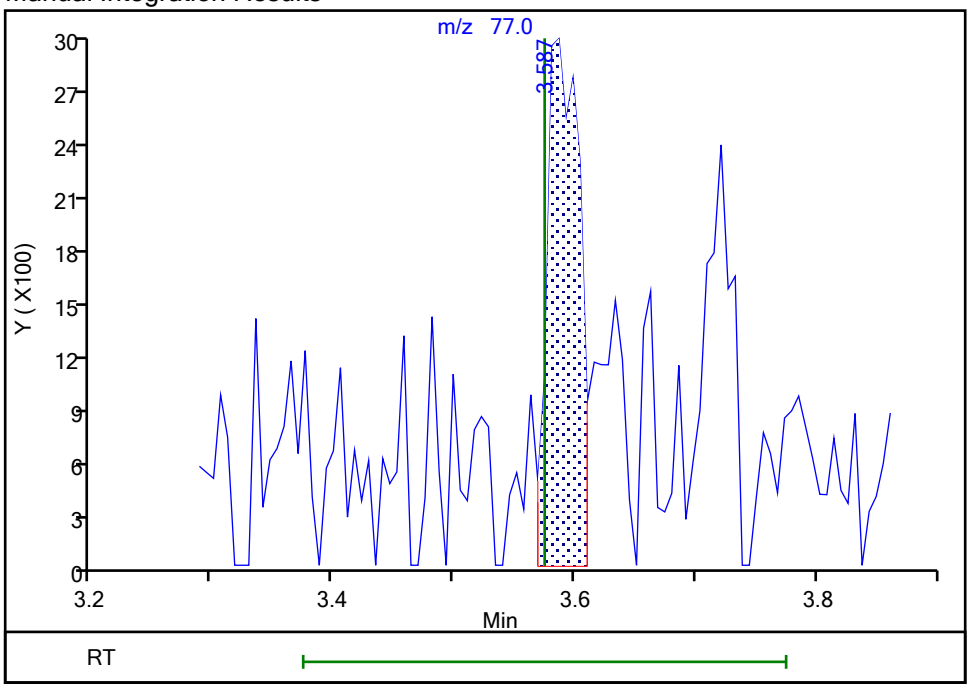
Processing Integration Results

RT: 3.56
Area: 842
Amount: 0.067956
Amount Units: ug/ml



Manual Integration Results

RT: 3.59
Area: 5261
Amount: 0.107619
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:50:15 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

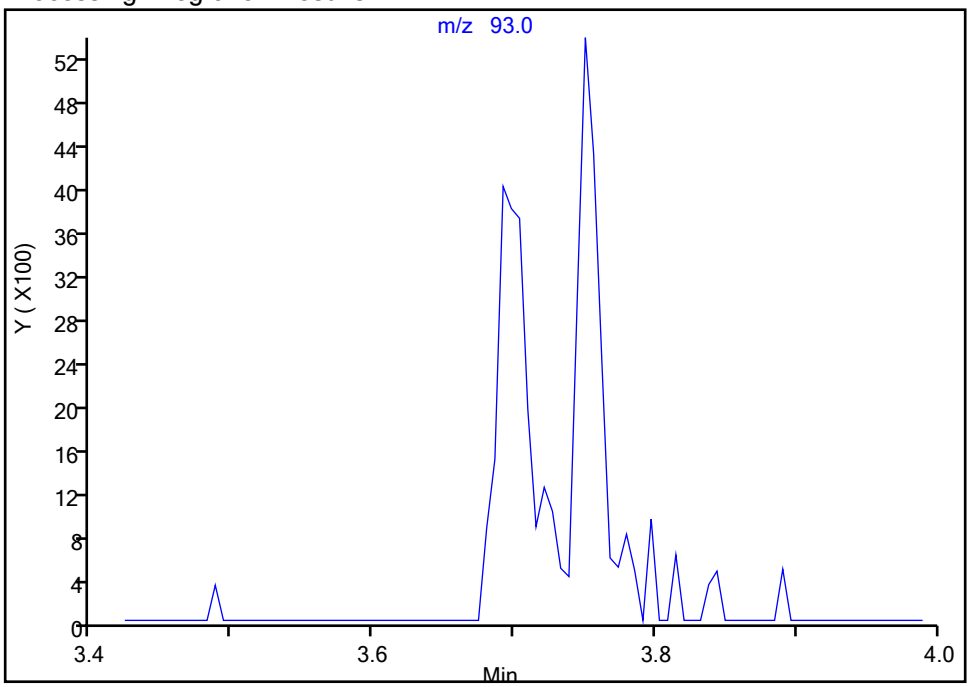
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D				
Injection Date:	26-Jun-2025 01:38:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

17 Aniline, CAS: 62-53-3

Signal: 1

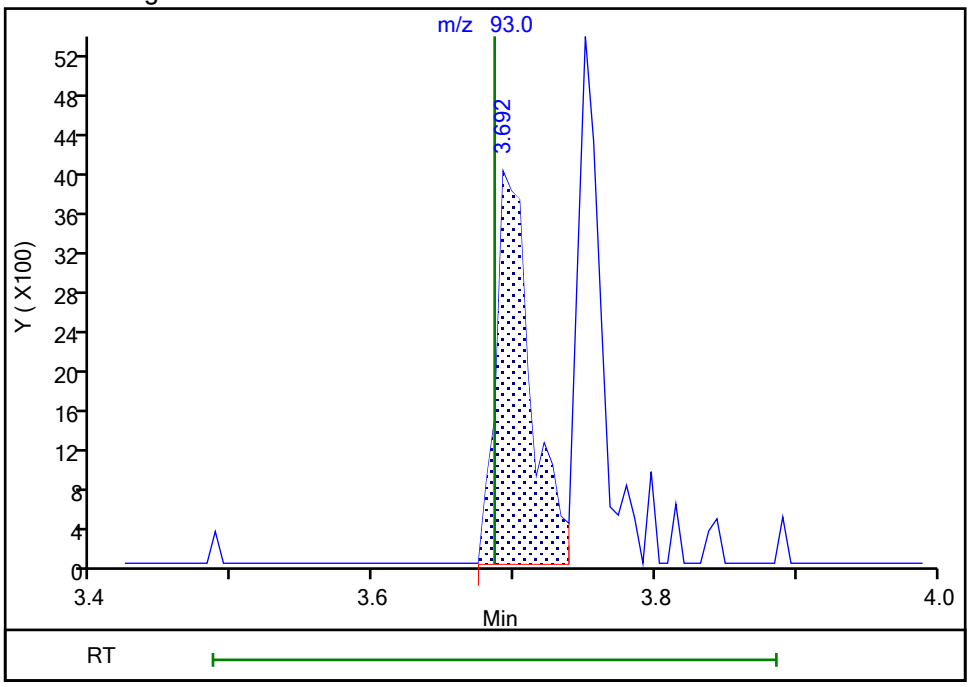
Not Detected
Expected RT: 3.69

Processing Integration Results



Manual Integration Results

RT: 3.69
Area: 6831
Amount: 0.092449
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:50:21 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

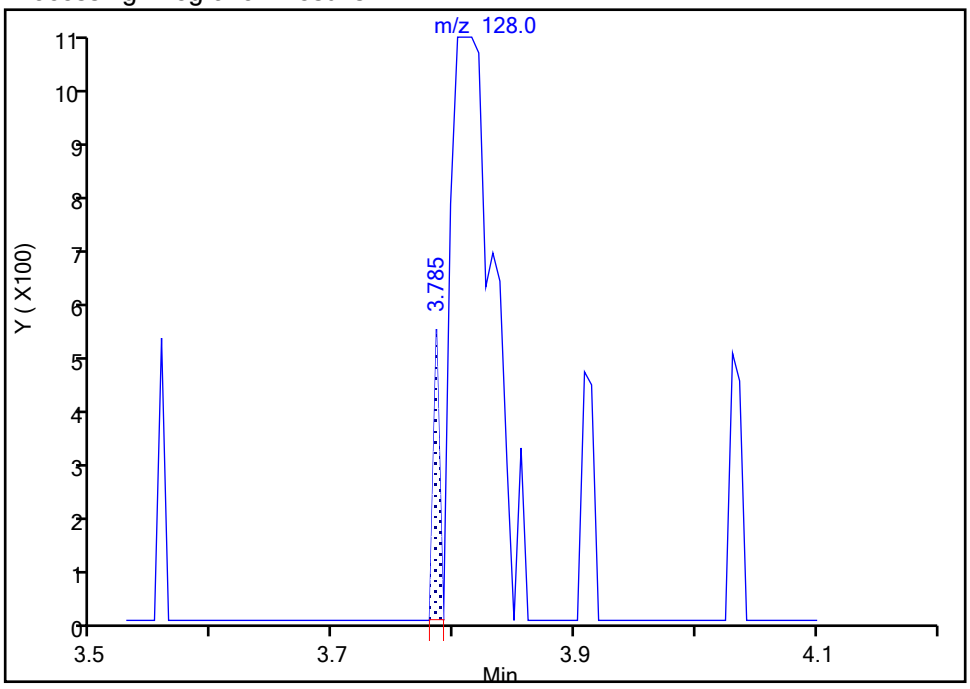
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D
Injection Date: 26-Jun-2025 01:38:30 Instrument ID: HP23264
Lims ID: IC L1
Client ID:
Operator ID: IR93211 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

19 2-Chlorophenol, CAS: 95-57-8

Signal: 1

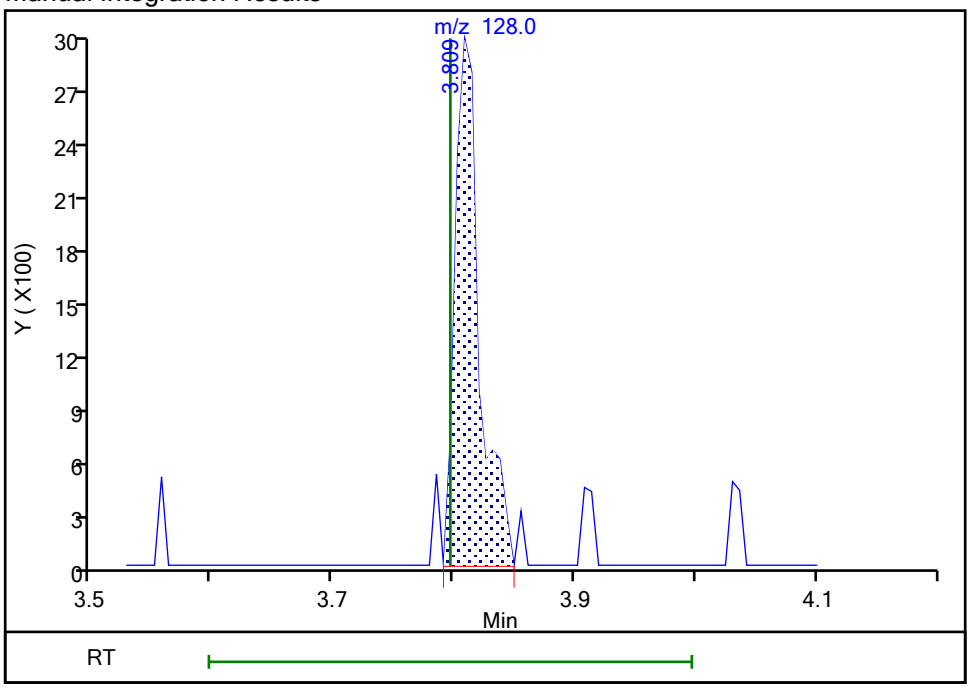
Processing Integration Results

RT: 3.79
Area: 180
Amount: 0.005324
Amount Units: ug/ml



Manual Integration Results

RT: 3.81
Area: 4195
Amount: 0.110904
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:50:33 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

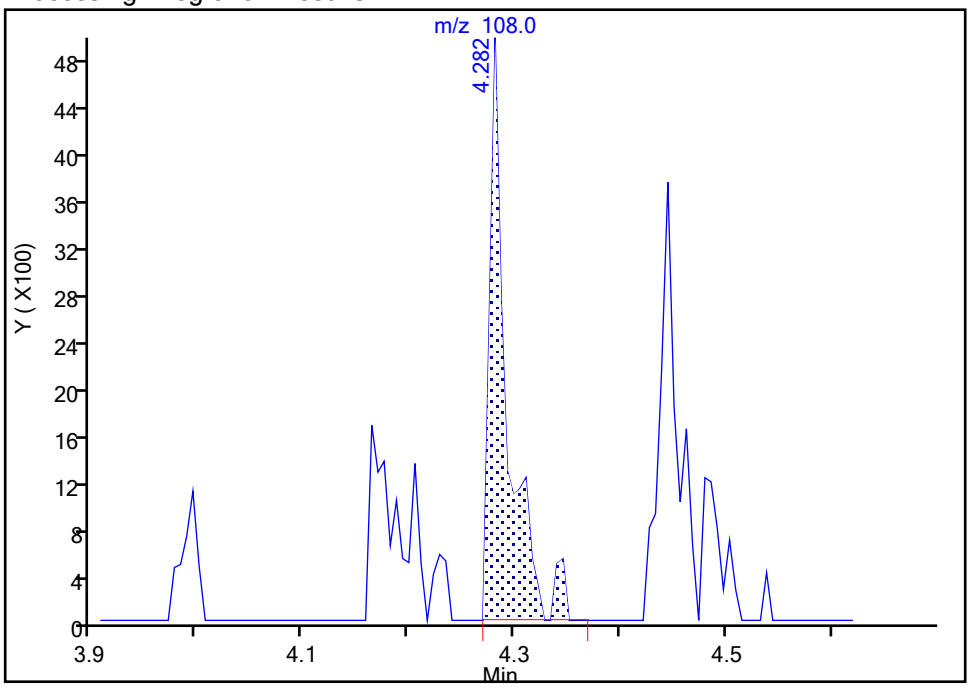
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D				
Injection Date:	26-Jun-2025 01:38:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

26 Benzyl alcohol, CAS: 100-51-6

Signal: 1

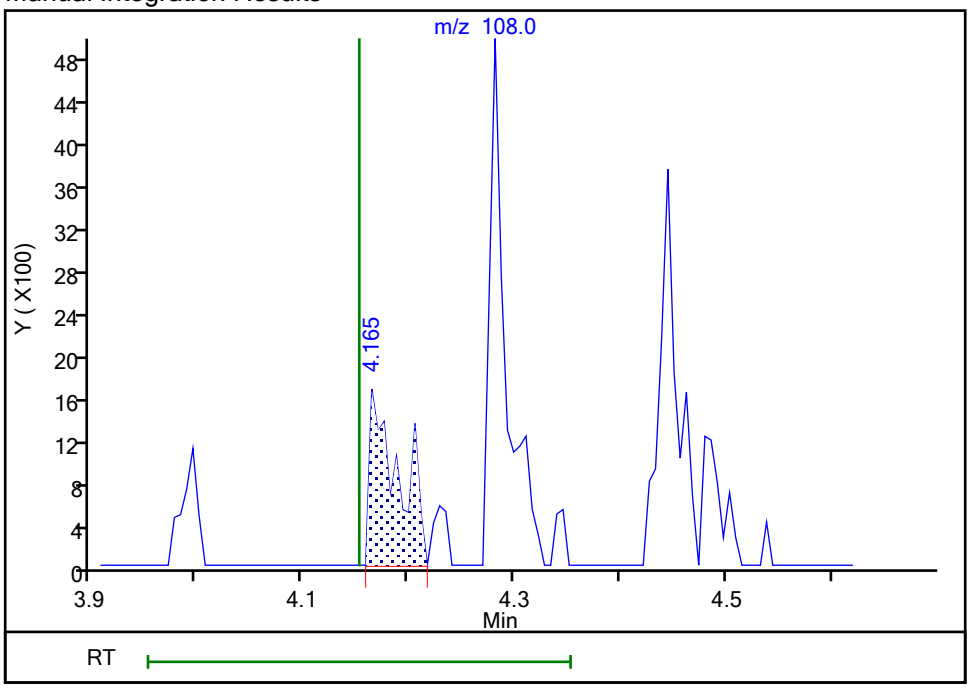
Processing Integration Results

RT: 4.28
Area: 5793
Amount: 0.182150
Amount Units: ug/ml



Manual Integration Results

RT: 4.16
Area: 3050
Amount: 0.104953
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:50:55 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

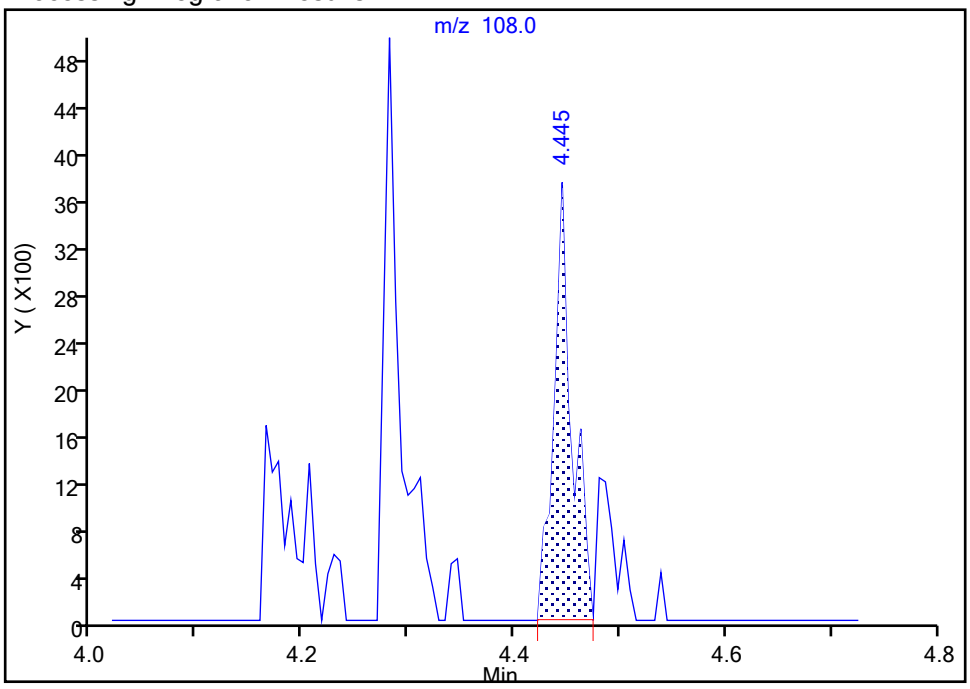
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D
Injection Date: 26-Jun-2025 01:38:30 Instrument ID: HP23264
Lims ID: IC L1
Client ID:
Operator ID: IR93211 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

29 2-Methylphenol, CAS: 95-48-7

Signal: 1

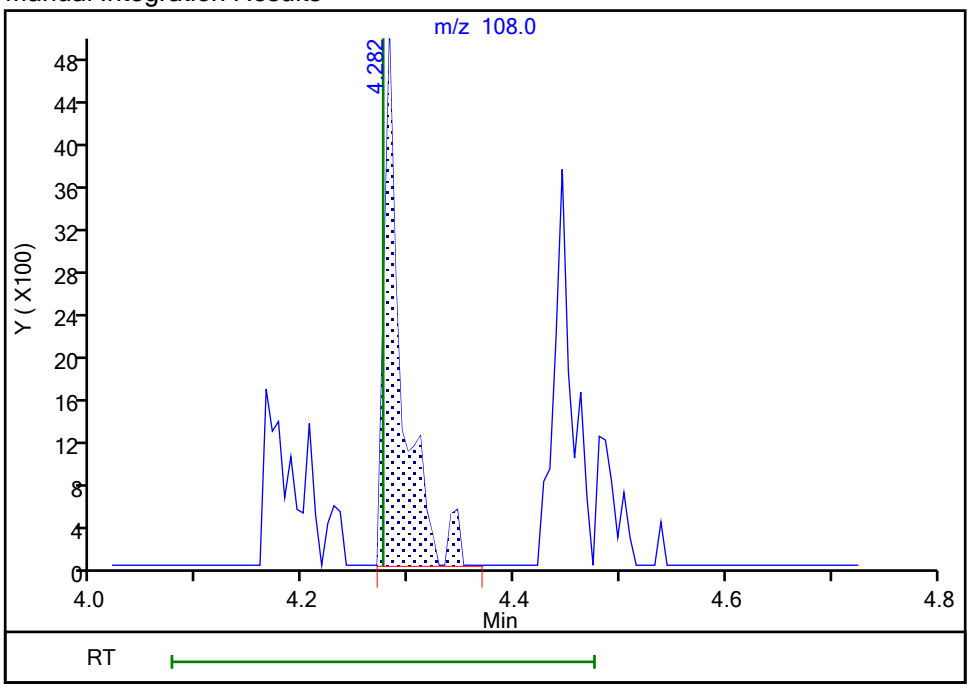
Processing Integration Results

RT: 4.45
Area: 4412
Amount: 0.106229
Amount Units: ug/ml



Manual Integration Results

RT: 4.28
Area: 5793
Amount: 0.134992
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:50:47 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

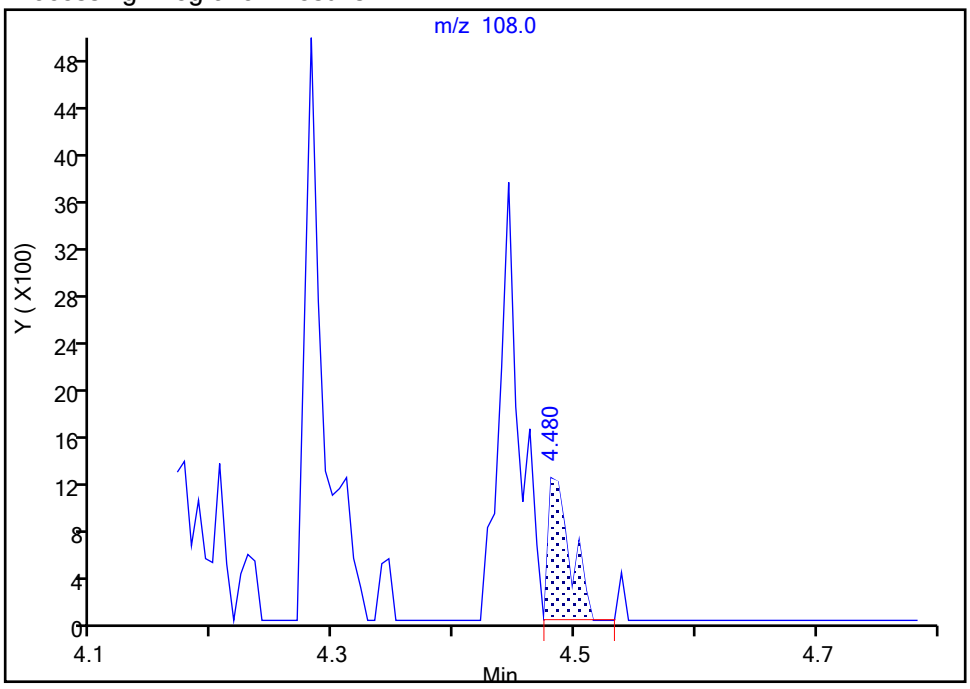
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D				
Injection Date:	26-Jun-2025 01:38:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

34 4-Methylphenol, CAS: 106-44-5

Signal: 1

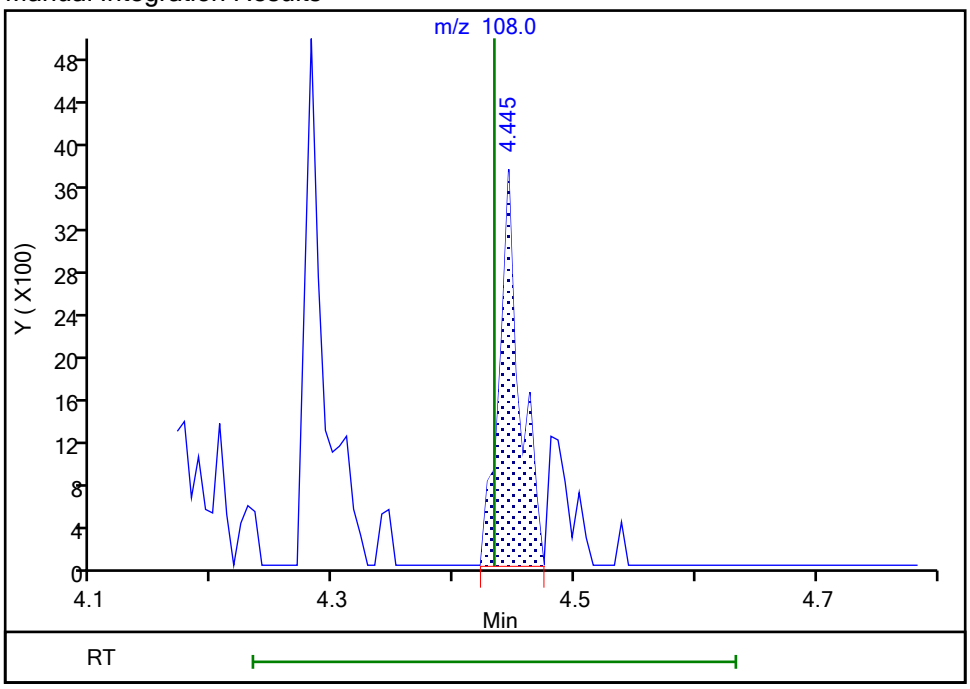
Processing Integration Results

RT: 4.48
Area: 1525
Amount: 0.116753
Amount Units: ug/ml



Manual Integration Results

RT: 4.45
Area: 4412
Amount: 0.096367
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:51:03 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

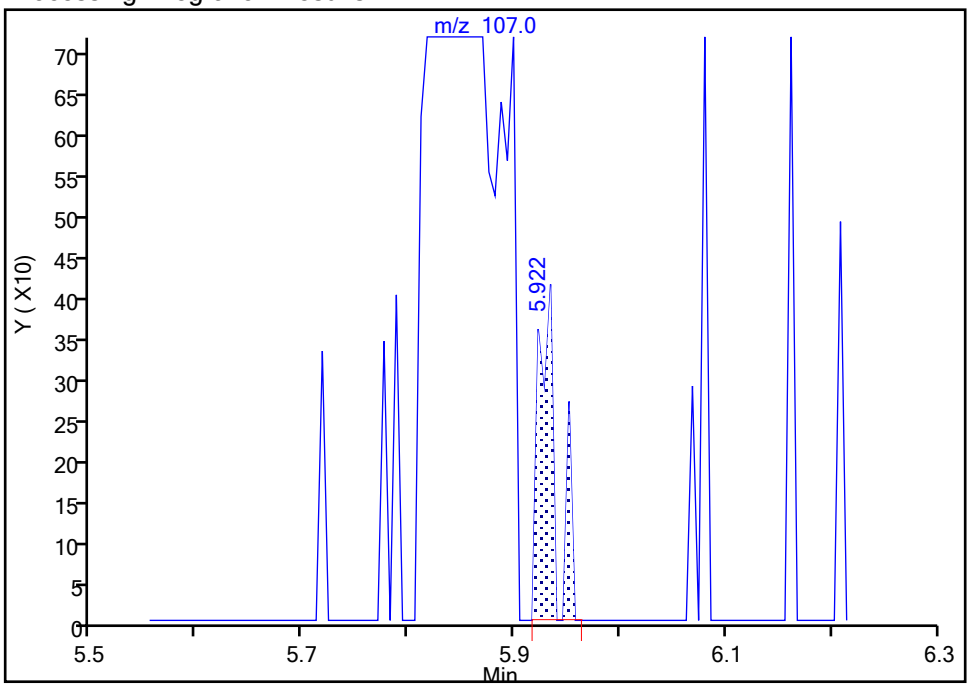
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D				
Injection Date:	26-Jun-2025 01:38:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

65 4-Chloro-3-methylphenol, CAS: 59-50-7

Signal: 1

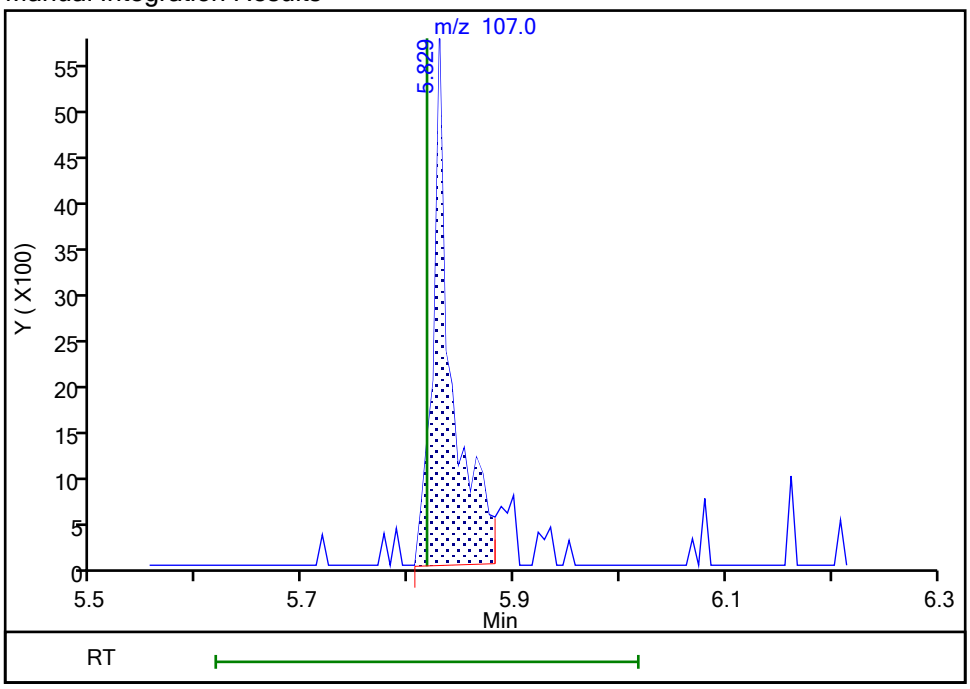
Processing Integration Results

RT: 5.92
Area: 461
Amount: 0.098187
Amount Units: ug/ml



Manual Integration Results

RT: 5.83
Area: 6965
Amount: 0.158428
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:51:19 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

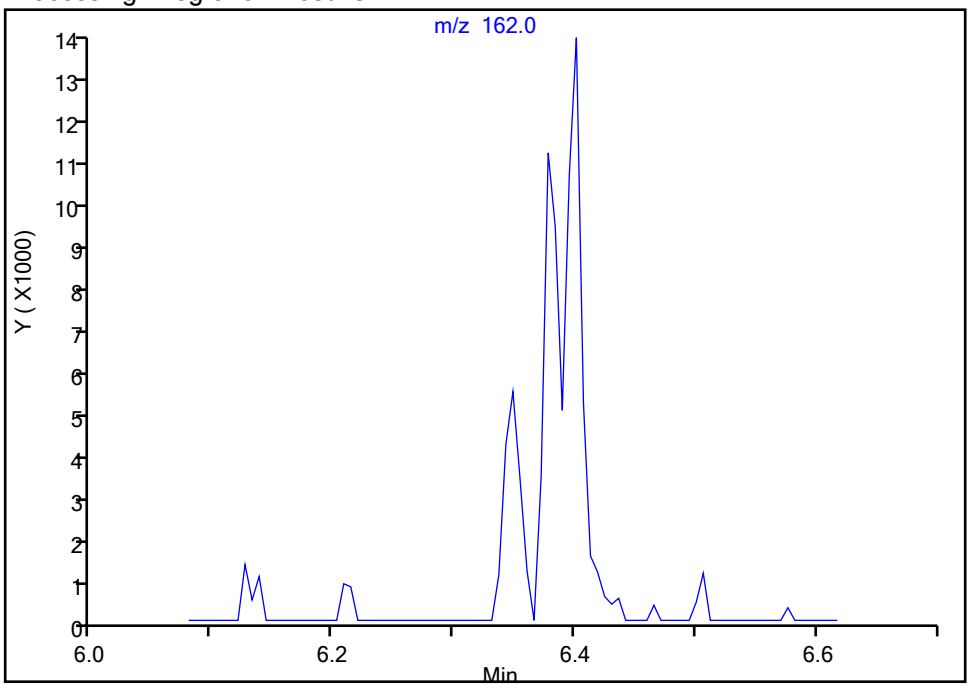
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D				
Injection Date:	26-Jun-2025 01:38:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

82 Isosafrole Peak 2, CAS: STL03316

Signal: 1

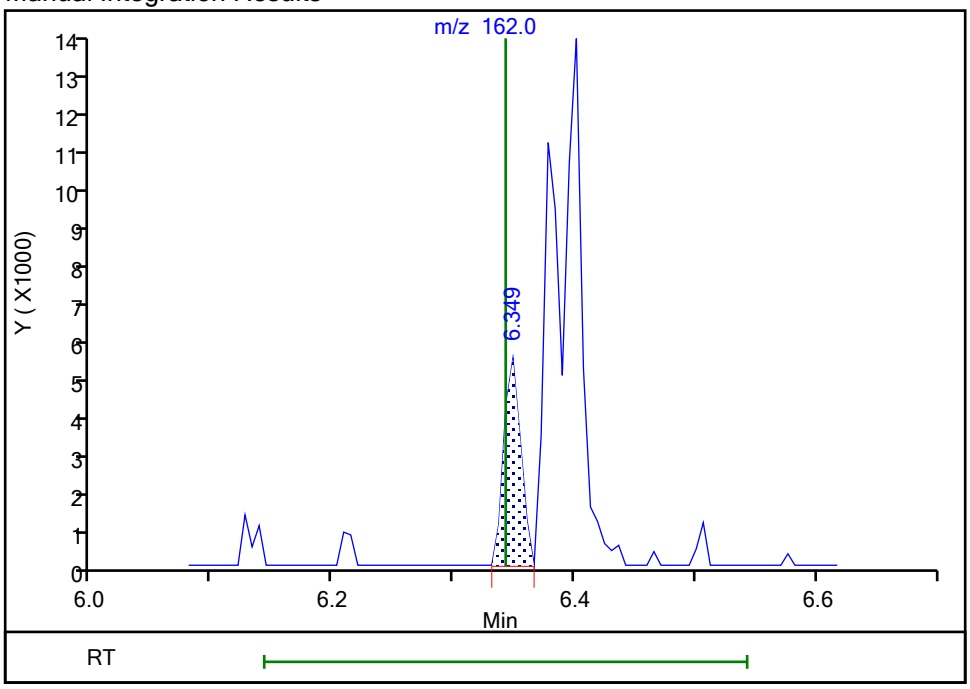
Not Detected
Expected RT: 6.34

Processing Integration Results



Manual Integration Results

RT: 6.35
Area: 5043
Amount: 0.124240
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:51:30 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

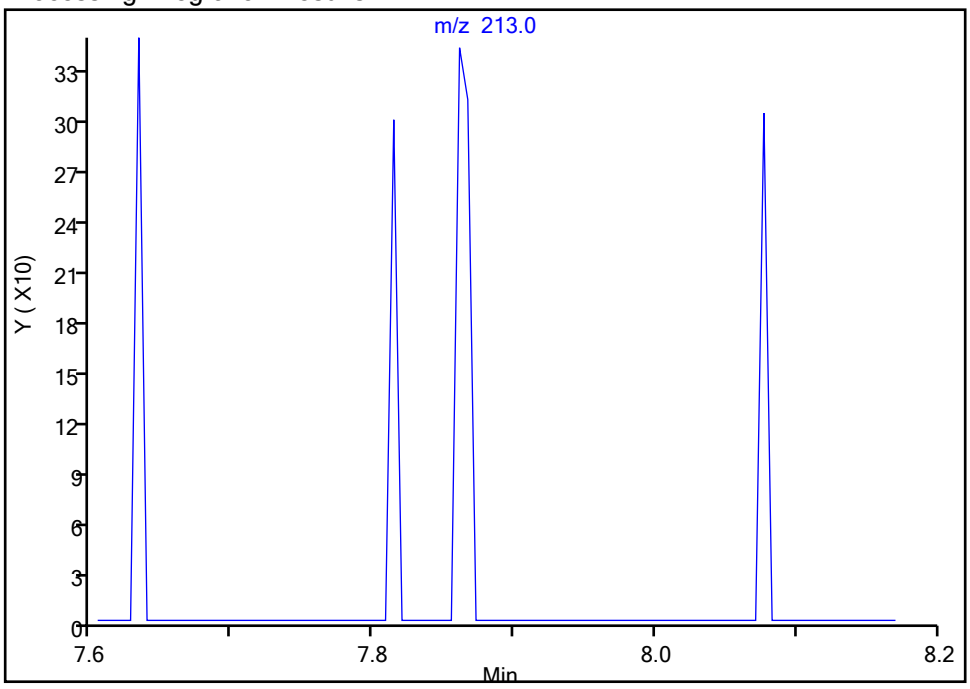
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D				
Injection Date:	26-Jun-2025 01:38:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

118 1,3,5-Trinitrobenzene, CAS: 99-35-4

Signal: 1

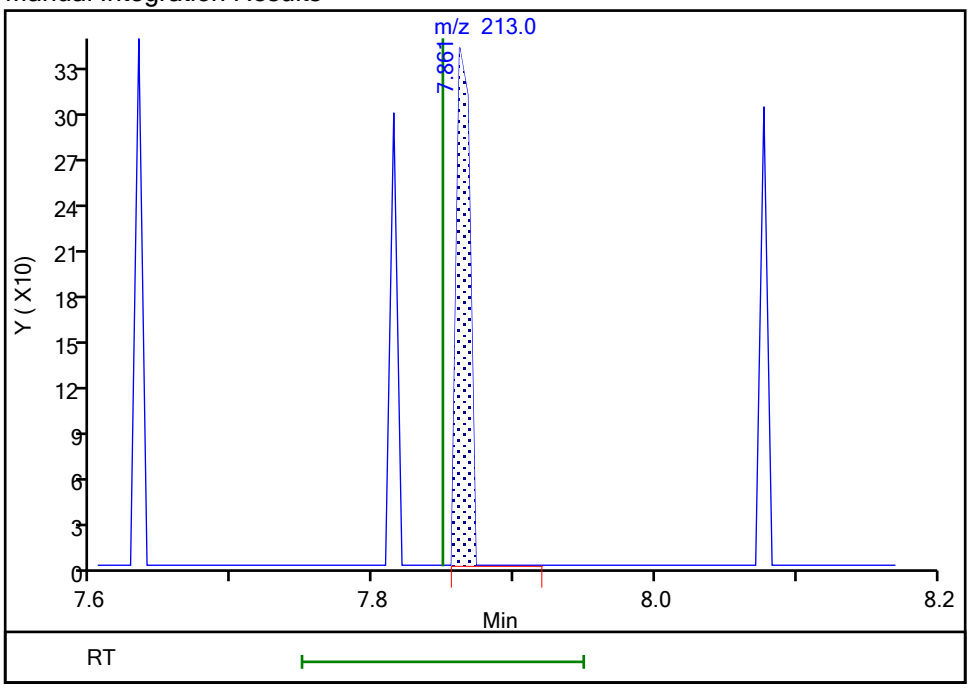
Not Detected
Expected RT: 7.85

Processing Integration Results



Manual Integration Results

RT: 7.86
Area: 228
Amount: 0.025320
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:51:44 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

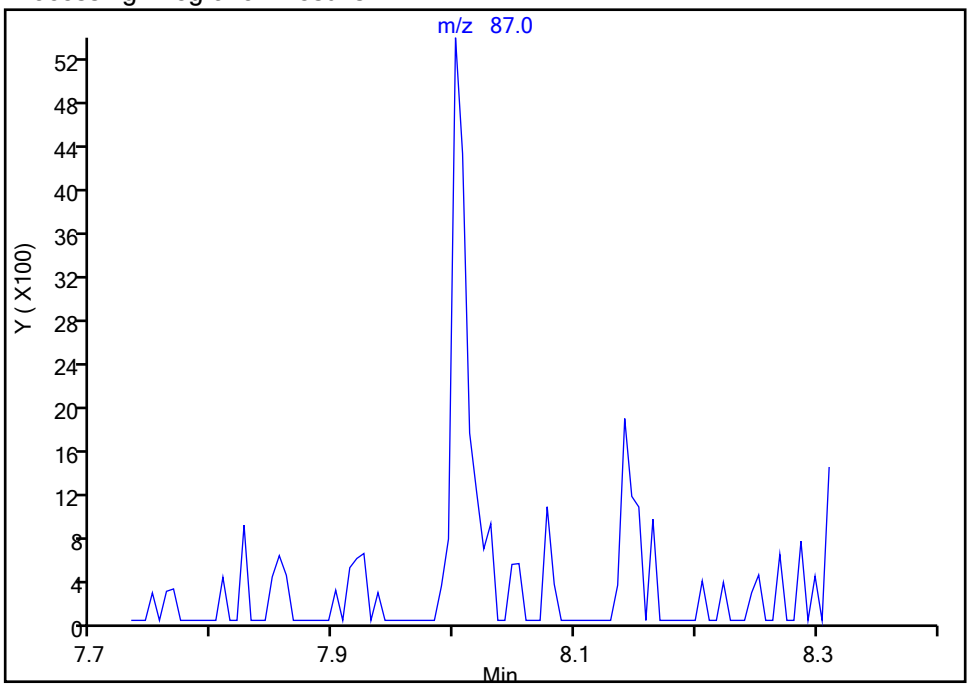
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D				
Injection Date:	26-Jun-2025 01:38:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

125 Dimethoate, CAS: 60-51-5

Signal: 1

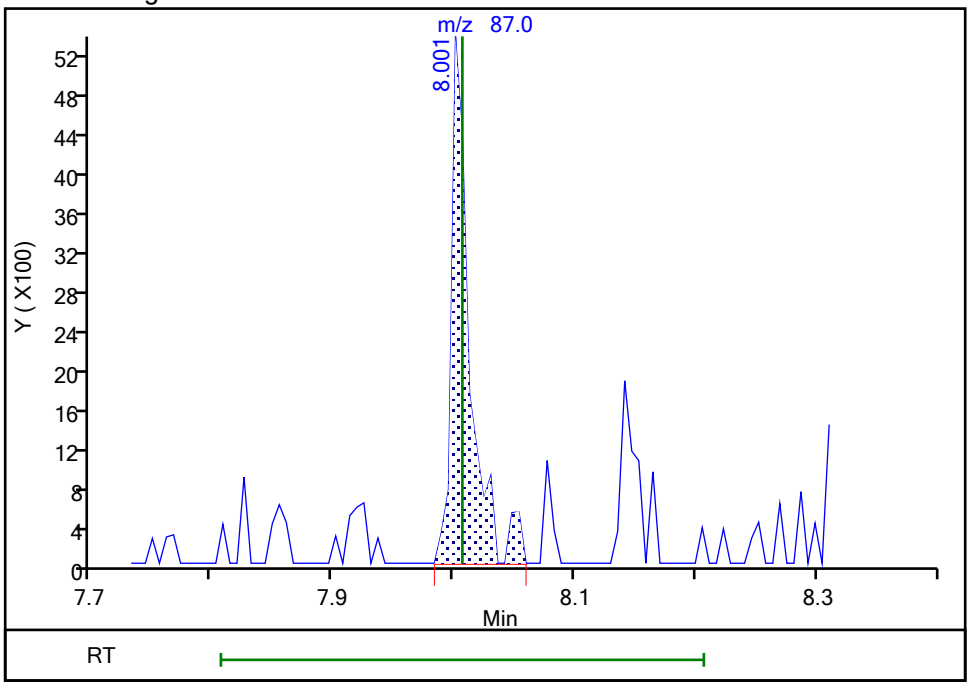
Not Detected
Expected RT: 8.01

Processing Integration Results



Manual Integration Results

RT: 8.00
Area: 5690
Amount: 0.123461
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:51:55 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

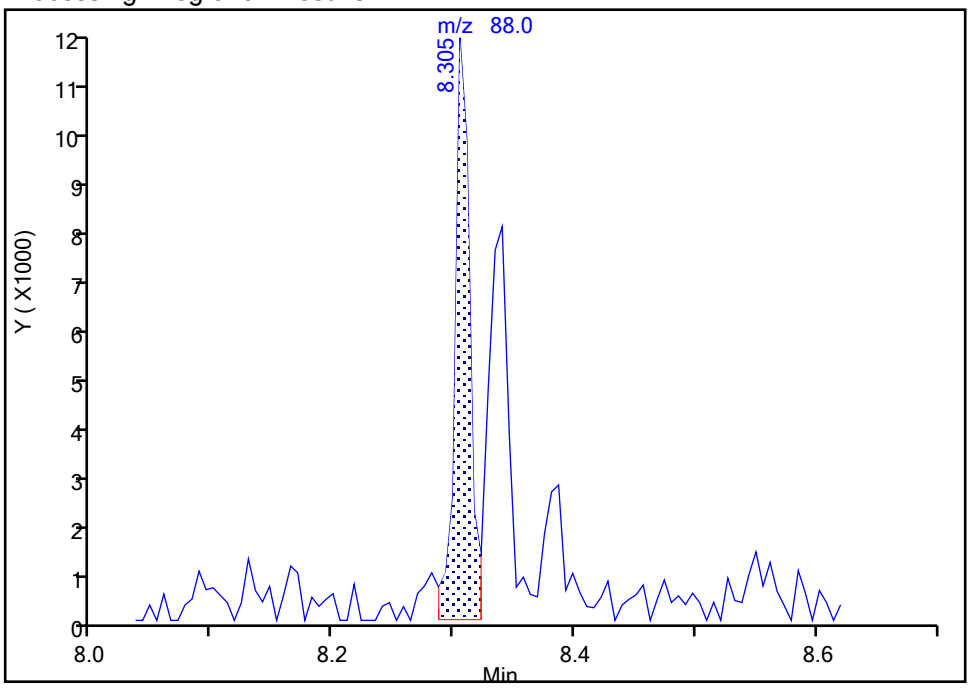
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D				
Injection Date:	26-Jun-2025 01:38:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

134 Disulfoton, CAS: 298-04-4

Signal: 1

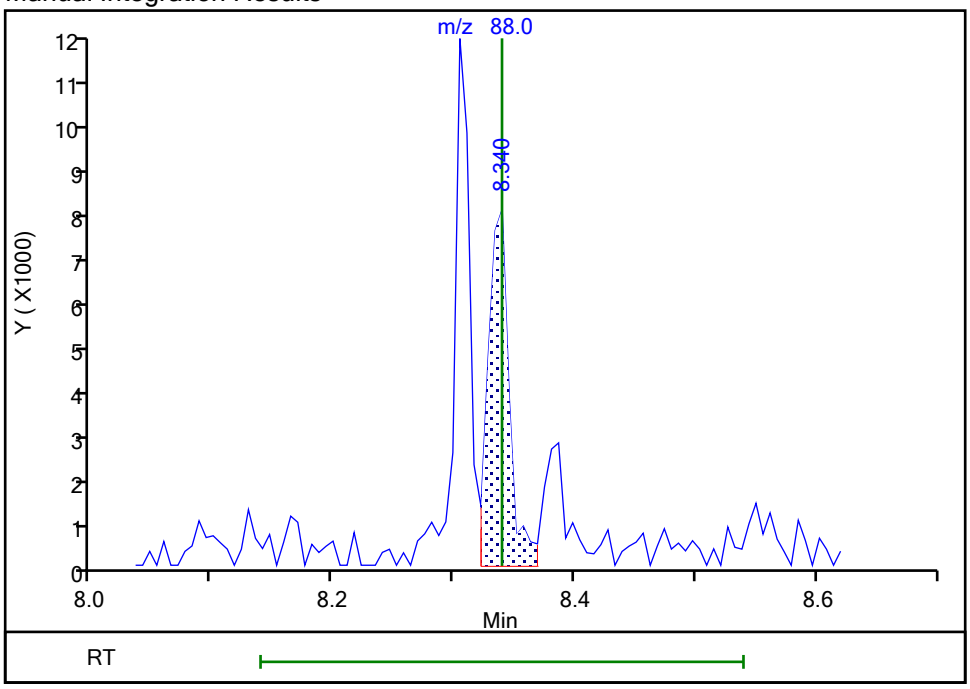
Processing Integration Results

RT: 8.30
Area: 9715
Amount: 0.130246
Amount Units: ug/ml



Manual Integration Results

RT: 8.34
Area: 9247
Amount: 0.124754
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:52:03 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

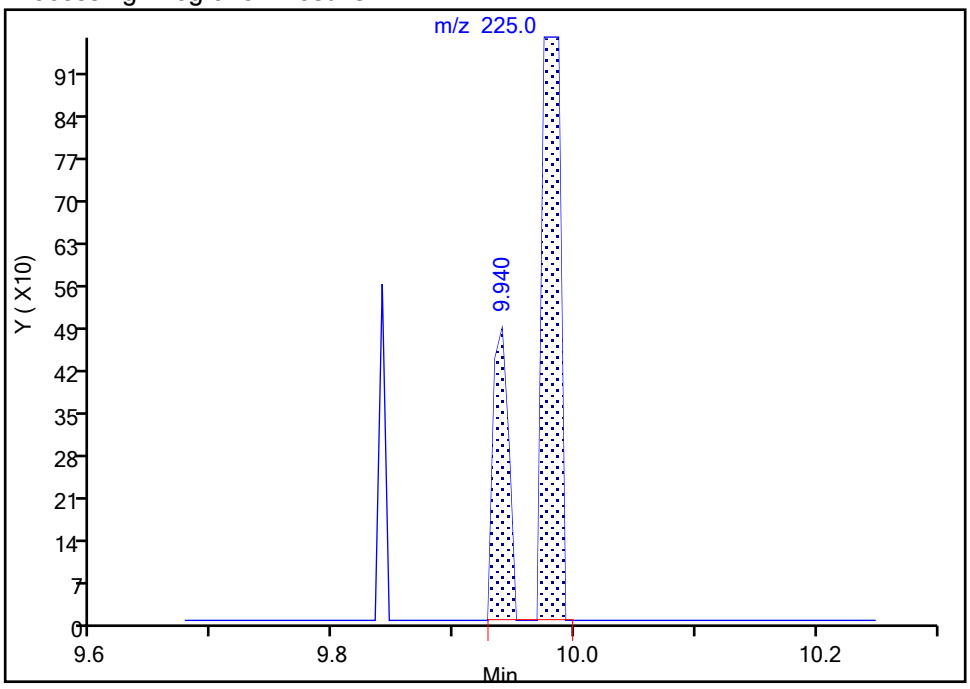
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D
Injection Date: 26-Jun-2025 01:38:30 Instrument ID: HP23264
Lims ID: IC L1
Client ID:
Operator ID: IR93211 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

149 p-Dimethylamino azobenzene, CAS: 60-11-7

Signal: 1

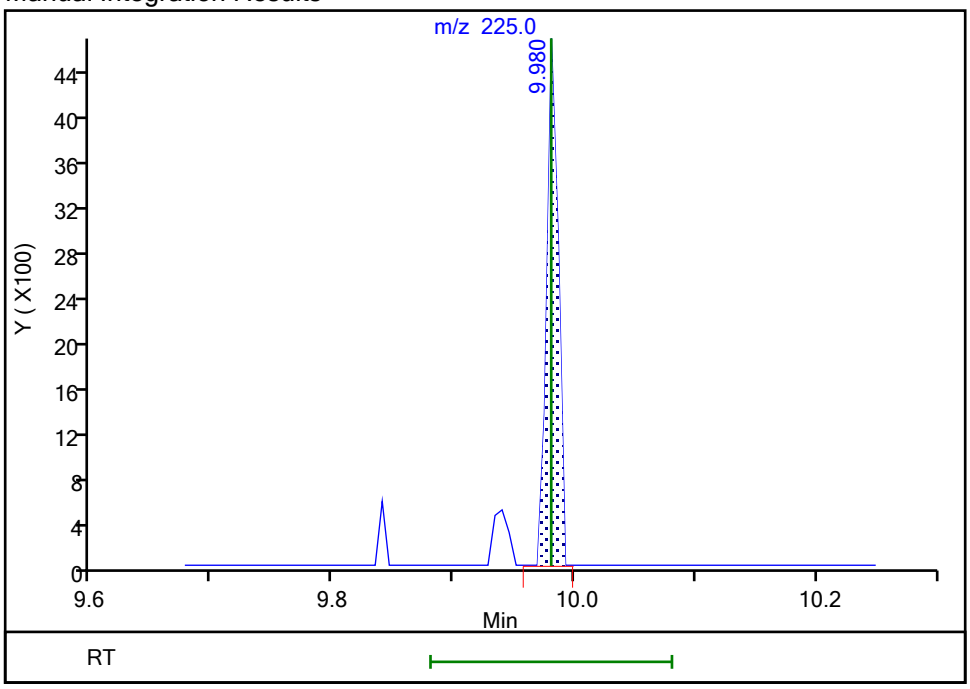
Processing Integration Results

RT: 9.94
Area: 3493
Amount: 0.162716
Amount Units: ug/ml



Manual Integration Results

RT: 9.98
Area: 3069
Amount: 0.145845
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:52:14 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

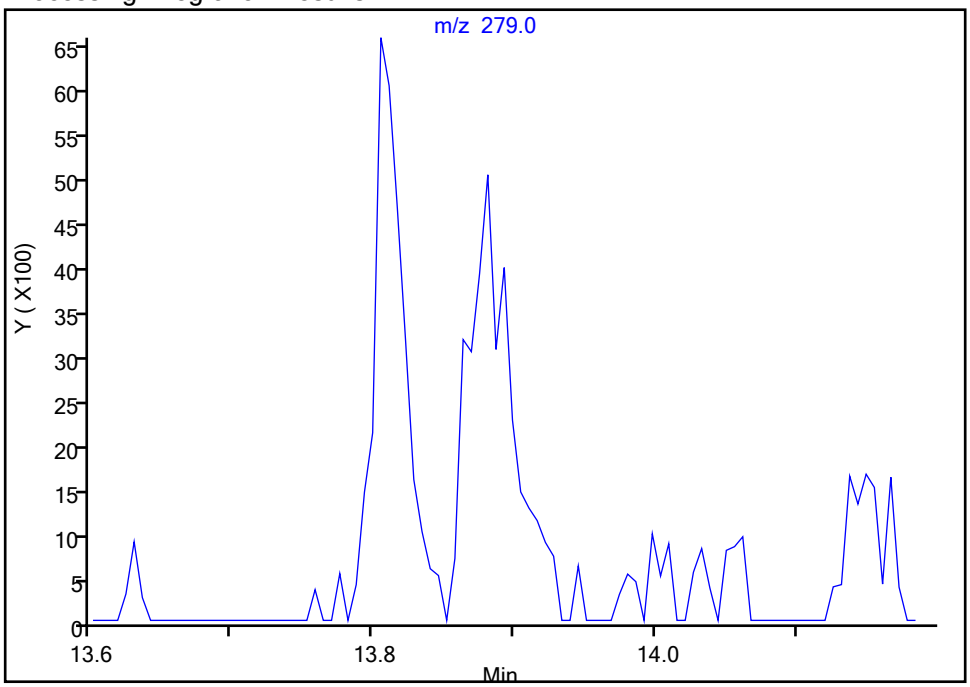
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D				
Injection Date:	26-Jun-2025 01:38:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

170 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

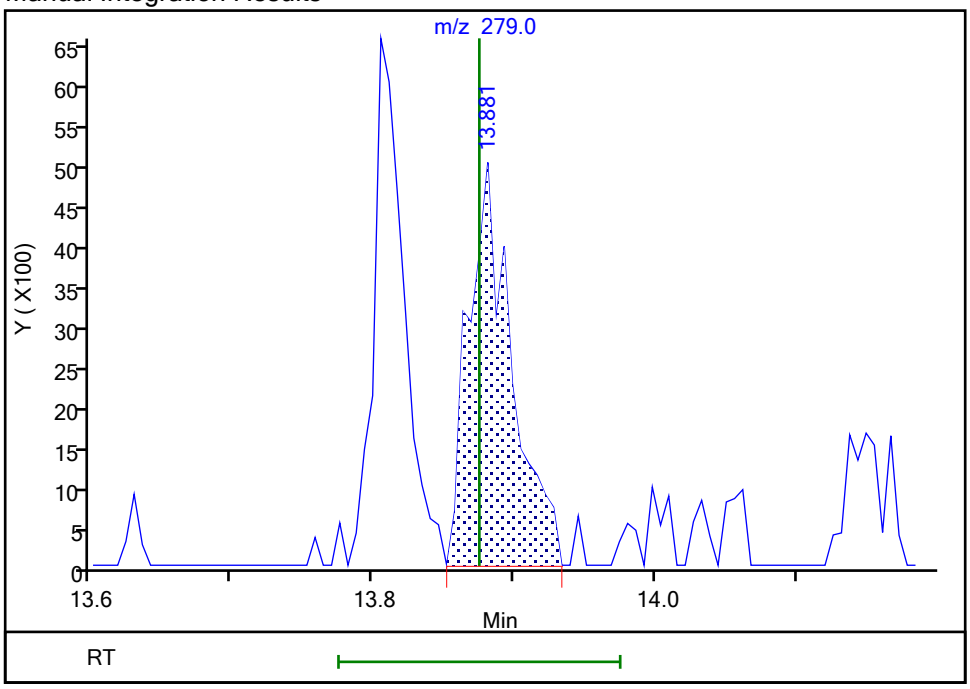
Not Detected
Expected RT: 13.87

Processing Integration Results



Manual Integration Results

RT: 13.88
Area: 10675
Amount: 0.129396
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:49:55 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

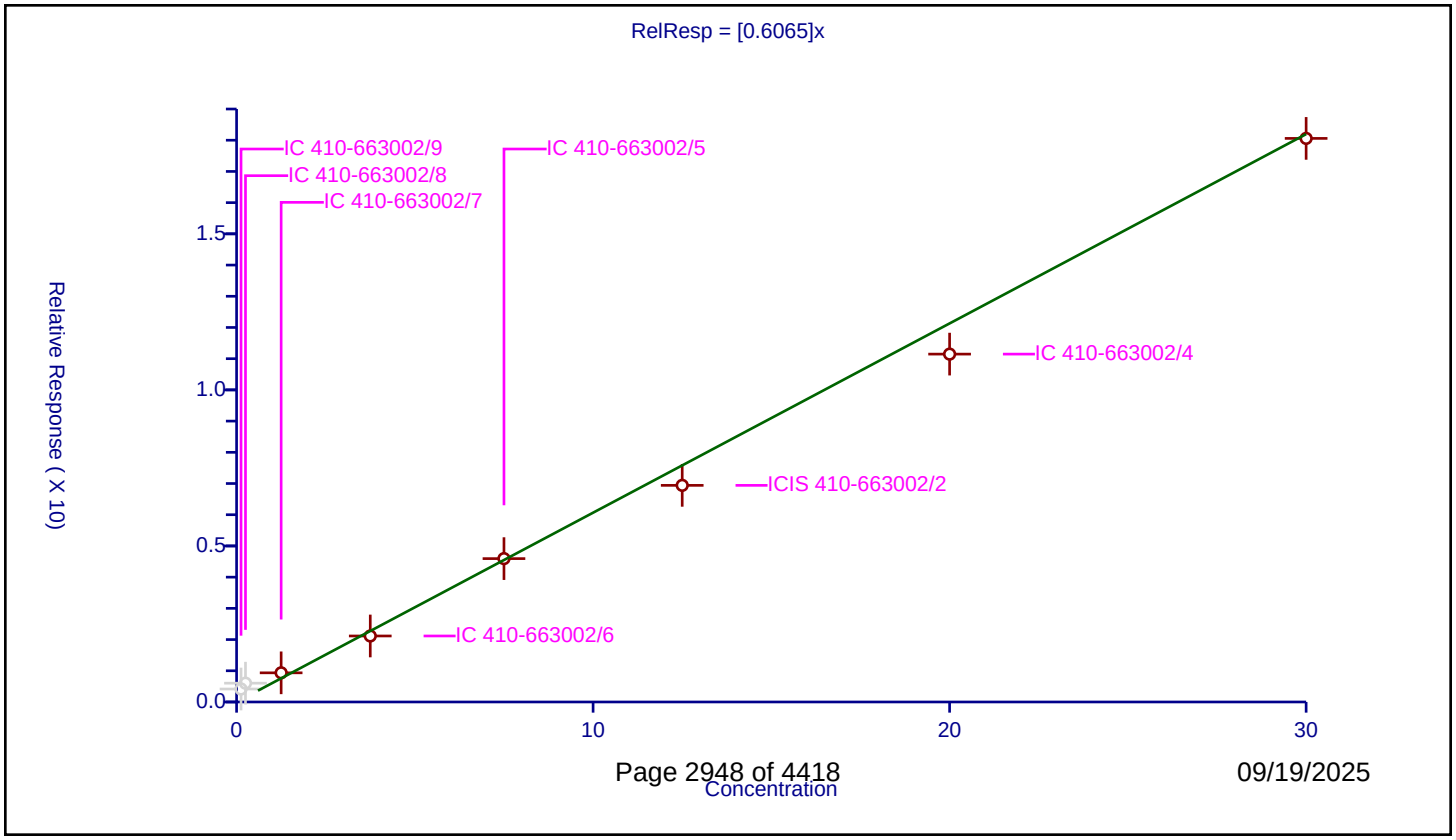
Curve Coefficients

Intercept:	0
Slope:	0.6065

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.415324	5.0	156408.0	3.322592	N
2	IC 410-663002/8	0.25	0.603052	5.0	161976.0	2.412209	N
3	IC 410-663002/7	1.25	0.93473	5.0	159383.0	0.747784	Y
4	IC 410-663002/6	3.75	2.115166	5.0	183040.0	0.564044	Y
5	IC 410-663002/5	7.5	4.594165	5.0	165942.0	0.612555	Y
6	ICIS 410-663002/2	12.5	6.941218	5.0	192866.0	0.555297	Y
7	IC 410-663002/4	20.0	11.146516	5.0	223839.0	0.557326	Y
8	IC 410-663002/3	30.0	18.058405	5.0	184315.0	0.601947	Y



09/19/2025

Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

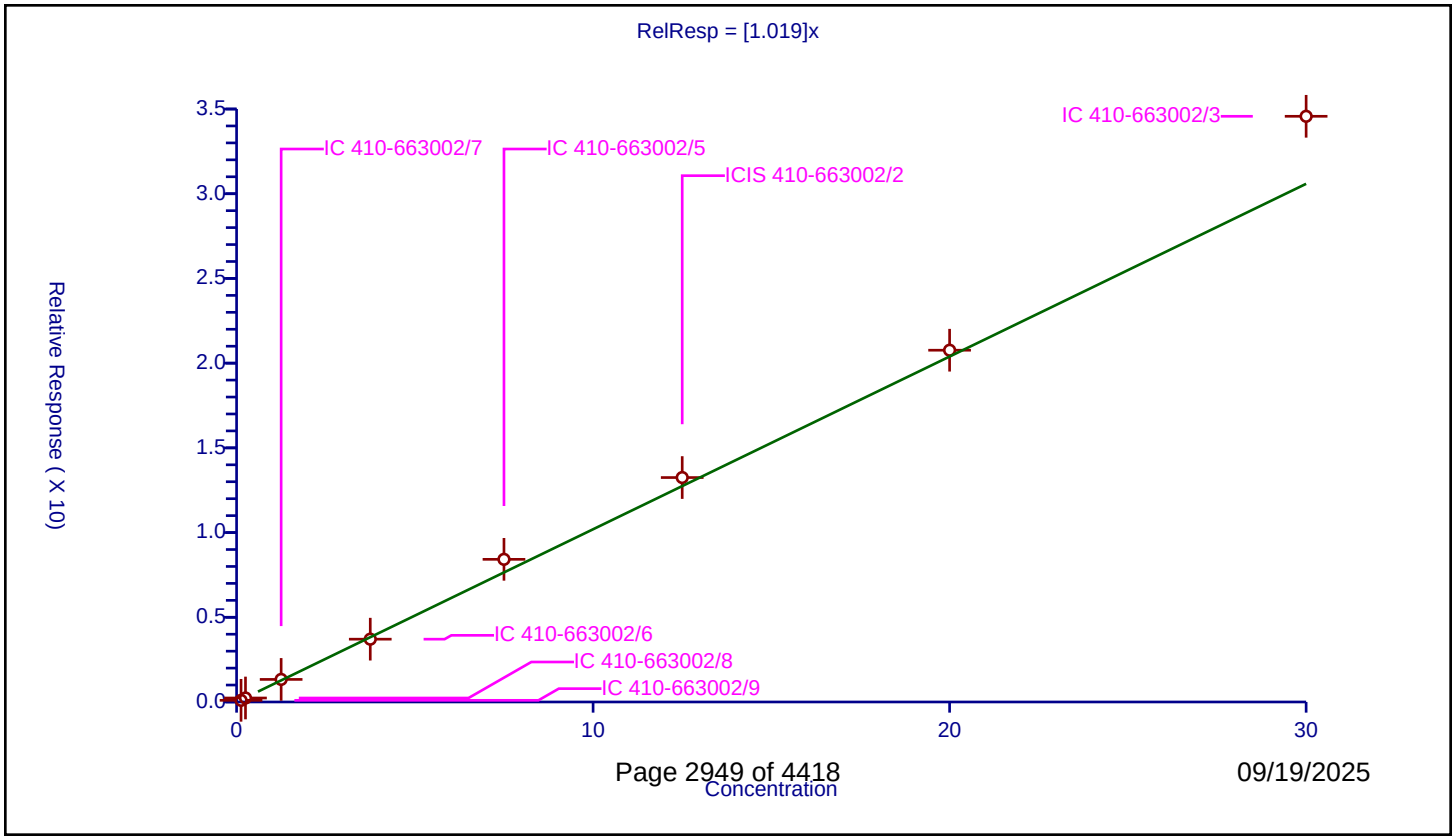
Curve Coefficients

Intercept:	0
Slope:	1.019

Error Coefficients

Relative Standard Deviation:	11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.098077	5.0	156408.0	0.784615	Y
2	IC 410-663002/8	0.25	0.23593	5.0	161976.0	0.94372	Y
3	IC 410-663002/7	1.25	1.332576	5.0	159383.0	1.066061	Y
4	IC 410-663002/6	3.75	3.706895	5.0	183040.0	0.988505	Y
5	IC 410-663002/5	7.5	8.419387	5.0	165942.0	1.122585	Y
6	ICIS 410-663002/2	12.5	13.247773	5.0	192866.0	1.059822	Y
7	IC 410-663002/4	20.0	20.763562	5.0	223839.0	1.038178	Y
8	IC 410-663002/3	30.0	34.570274	5.0	184315.0	1.152342	Y



Calibration / Pyridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

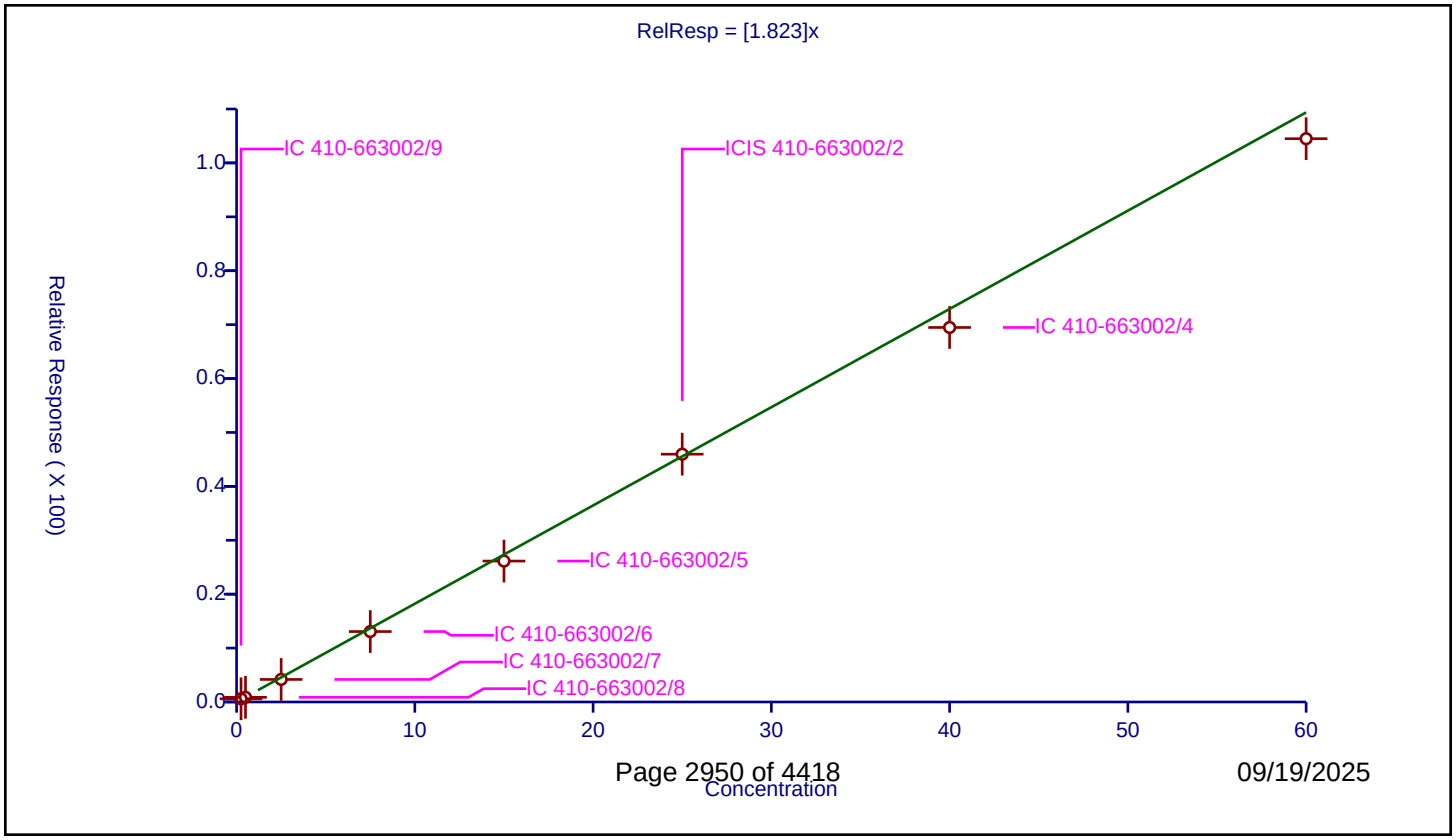
Curve Coefficients

Intercept:	0
Slope:	1.823

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.25	0.591786	5.0	156408.0	2.367142	Y
2	IC 410-663002/8	0.5	0.869635	5.0	161976.0	1.73927	Y
3	IC 410-663002/7	2.5	4.1847	5.0	159383.0	1.67388	Y
4	IC 410-663002/6	7.5	13.065396	5.0	183040.0	1.742053	Y
5	IC 410-663002/5	15.0	26.143291	5.0	165942.0	1.742886	Y
6	ICIS 410-663002/2	25.0	45.9686	5.0	192866.0	1.838744	Y
7	IC 410-663002/4	40.0	69.477839	5.0	223839.0	1.736946	Y
8	IC 410-663002/3	60.0	104.491848	5.0	184315.0	1.741531	Y



09/19/2025

Calibration / Dimethylformamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

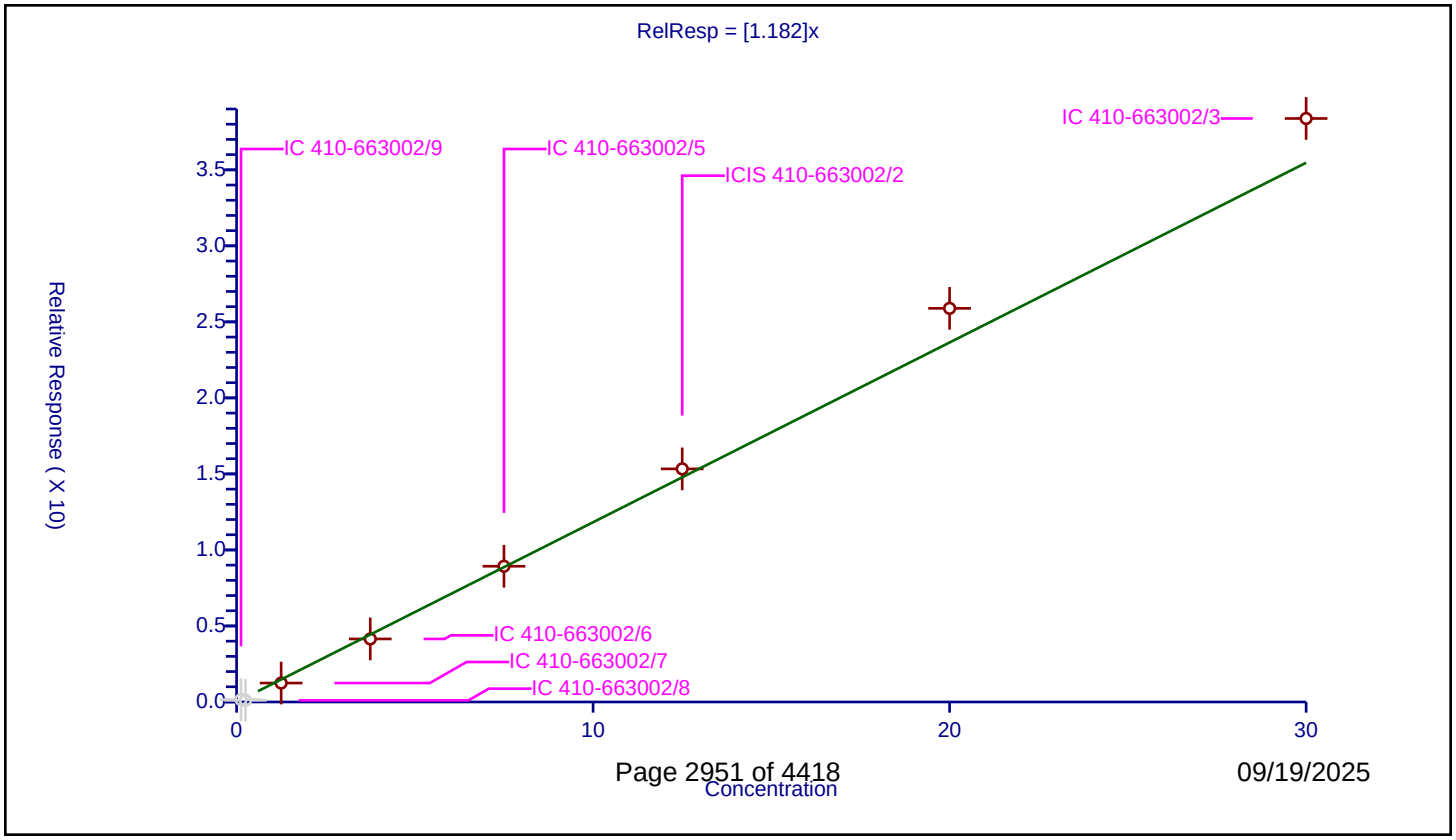
Curve Coefficients

Intercept:	0
Slope:	1.182

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.156194	5.0	156408.0	1.249552	N
2	IC 410-663002/8	0.25	0.110109	5.0	161976.0	0.440436	N
3	IC 410-663002/7	1.25	1.245836	5.0	159383.0	0.996668	Y
4	IC 410-663002/6	3.75	4.147181	5.0	183040.0	1.105915	Y
5	IC 410-663002/5	7.5	8.927698	5.0	165942.0	1.19036	Y
6	ICIS 410-663002/2	12.5	15.330618	5.0	192866.0	1.226449	Y
7	IC 410-663002/4	20.0	25.890037	5.0	223839.0	1.294502	Y
8	IC 410-663002/3	30.0	38.376828	5.0	184315.0	1.279228	Y



Calibration / 2-Picoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

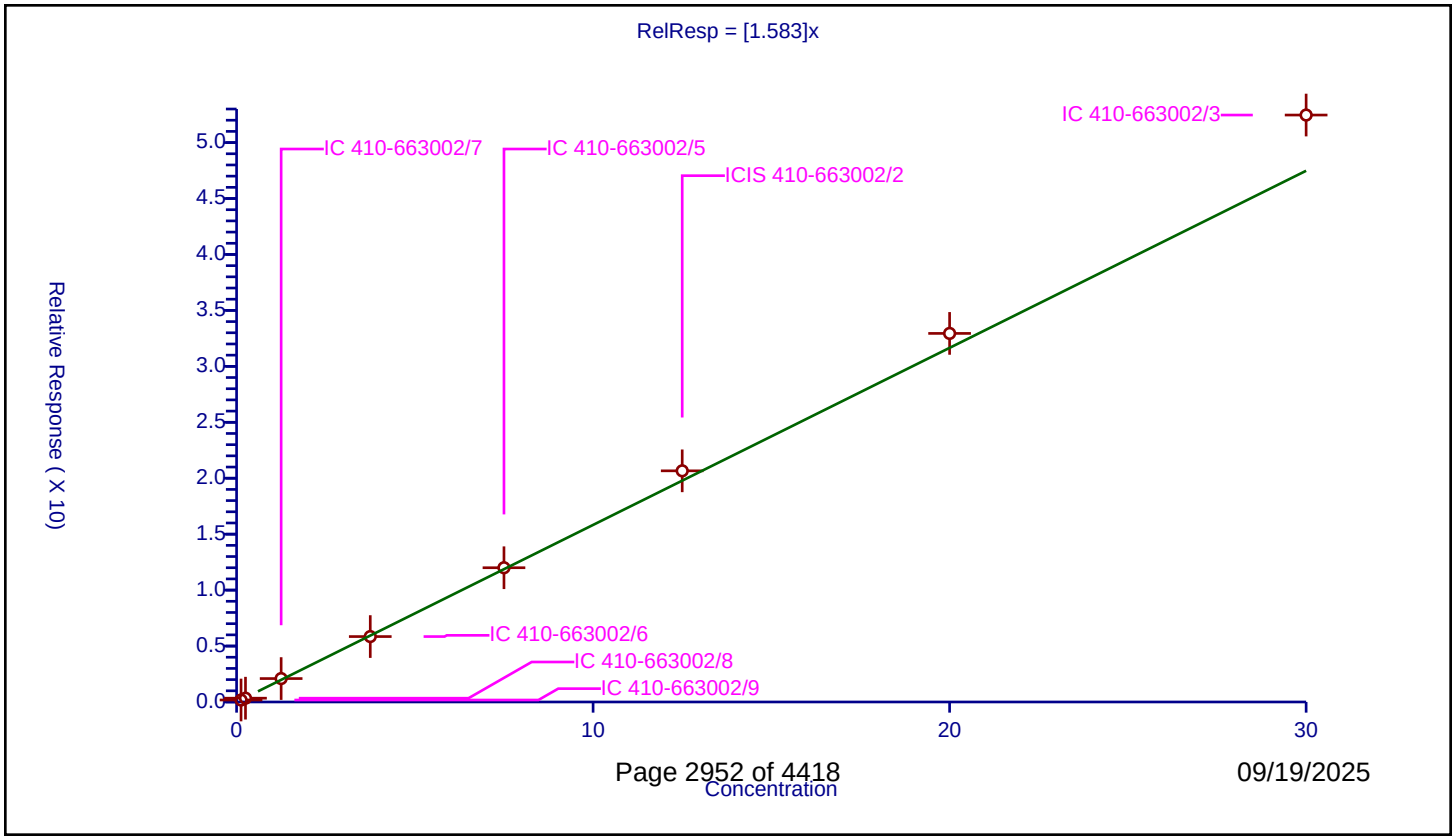
Curve Coefficients

Intercept:	0
Slope:	1.583

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.177516	5.0	156408.0	1.420132	Y
2	IC 410-663002/8	0.25	0.339464	5.0	161976.0	1.357855	Y
3	IC 410-663002/7	1.25	2.094295	5.0	159383.0	1.675436	Y
4	IC 410-663002/6	3.75	5.847984	5.0	183040.0	1.559462	Y
5	IC 410-663002/5	7.5	11.99859	5.0	165942.0	1.599812	Y
6	ICIS 410-663002/2	12.5	20.660355	5.0	192866.0	1.652828	Y
7	IC 410-663002/4	20.0	32.942316	5.0	223839.0	1.647116	Y
8	IC 410-663002/3	30.0	52.460516	5.0	184315.0	1.748684	Y



09/19/2025

Calibration / N-Nitrosomethylethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

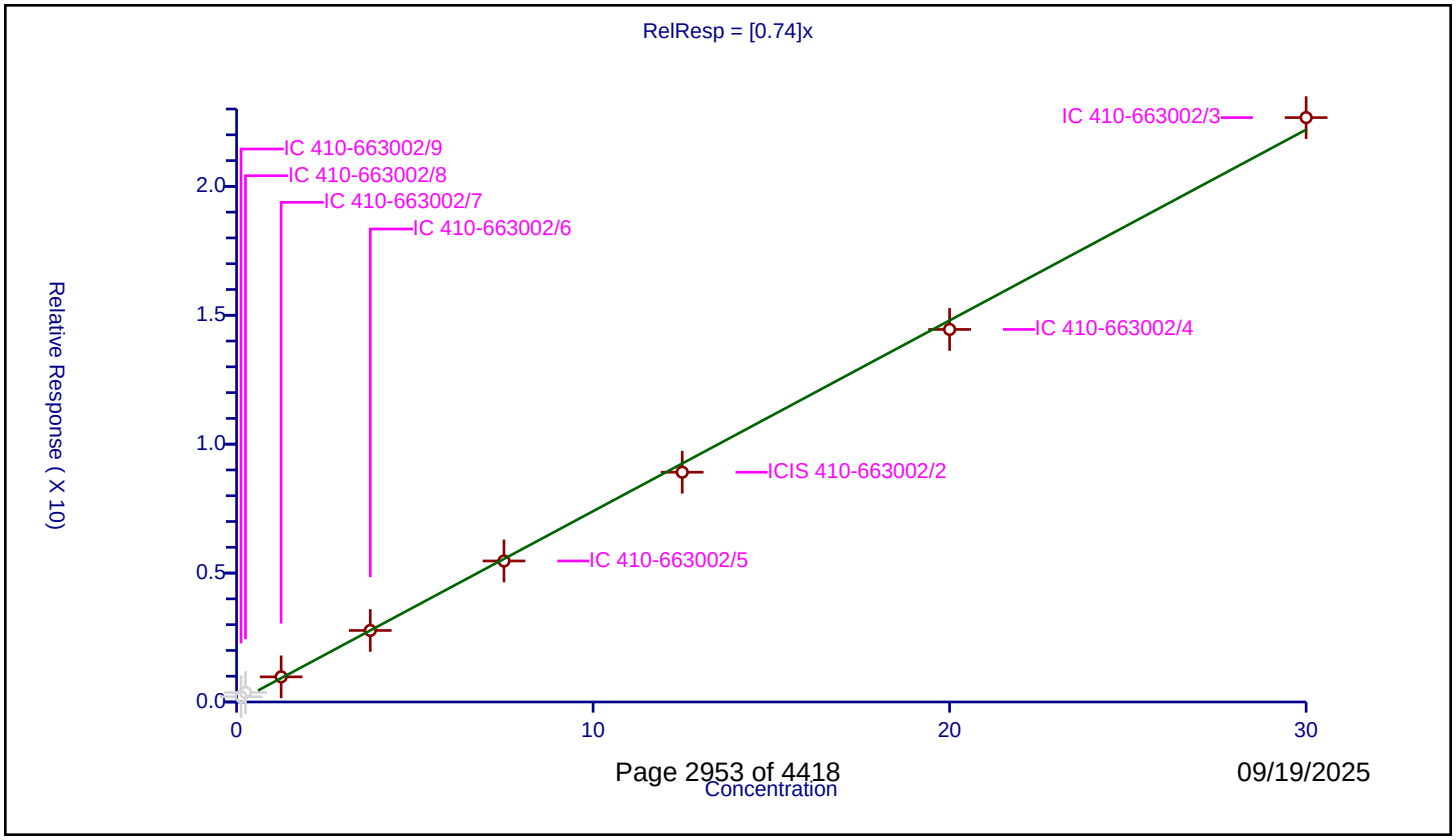
Curve Coefficients

Intercept:	0
Slope:	0.74

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.203474	5.0	156408.0	1.627794	N
2	IC 410-663002/8	0.25	0.367832	5.0	161976.0	1.471329	N
3	IC 410-663002/7	1.25	0.974351	5.0	159383.0	0.779481	Y
4	IC 410-663002/6	3.75	2.774967	5.0	183040.0	0.739991	Y
5	IC 410-663002/5	7.5	5.470044	5.0	165942.0	0.729339	Y
6	ICIS 410-663002/2	12.5	8.912224	5.0	192866.0	0.712978	Y
7	IC 410-663002/4	20.0	14.450208	5.0	223839.0	0.72251	Y
8	IC 410-663002/3	30.0	22.667417	5.0	184315.0	0.755581	Y



Calibration / Methyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

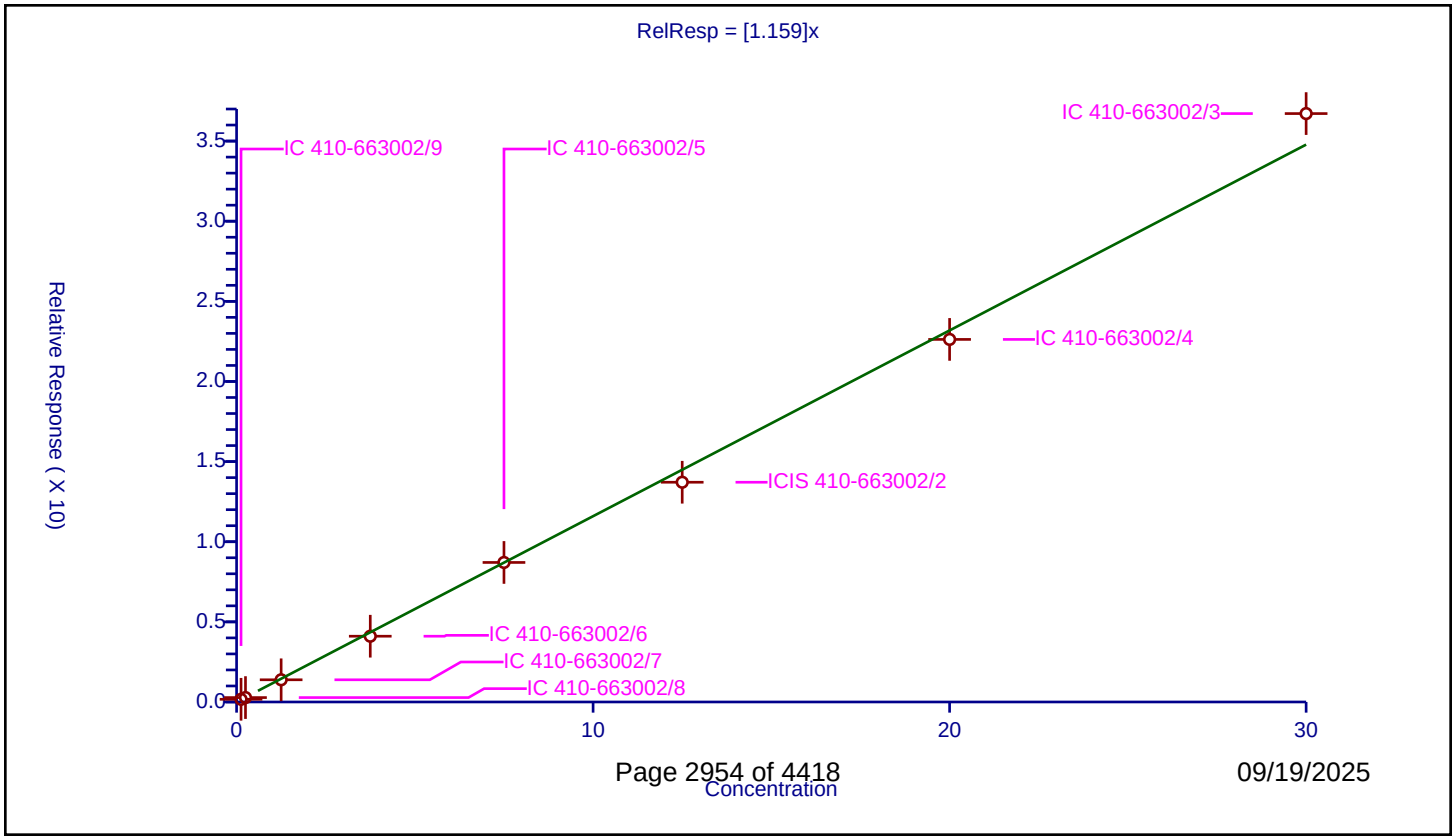
Curve Coefficients

Intercept:	0
Slope:	1.159

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.169493	5.0	156408.0	1.355941	Y
2	IC 410-663002/8	0.25	0.275627	5.0	161976.0	1.102509	Y
3	IC 410-663002/7	1.25	1.385844	5.0	159383.0	1.108675	Y
4	IC 410-663002/6	3.75	4.10372	5.0	183040.0	1.094325	Y
5	IC 410-663002/5	7.5	8.705813	5.0	165942.0	1.160775	Y
6	ICIS 410-663002/2	12.5	13.712292	5.0	192866.0	1.096983	Y
7	IC 410-663002/4	20.0	22.623604	5.0	223839.0	1.13118	Y
8	IC 410-663002/3	30.0	36.716002	5.0	184315.0	1.223867	Y



Calibration / 2-Fluorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

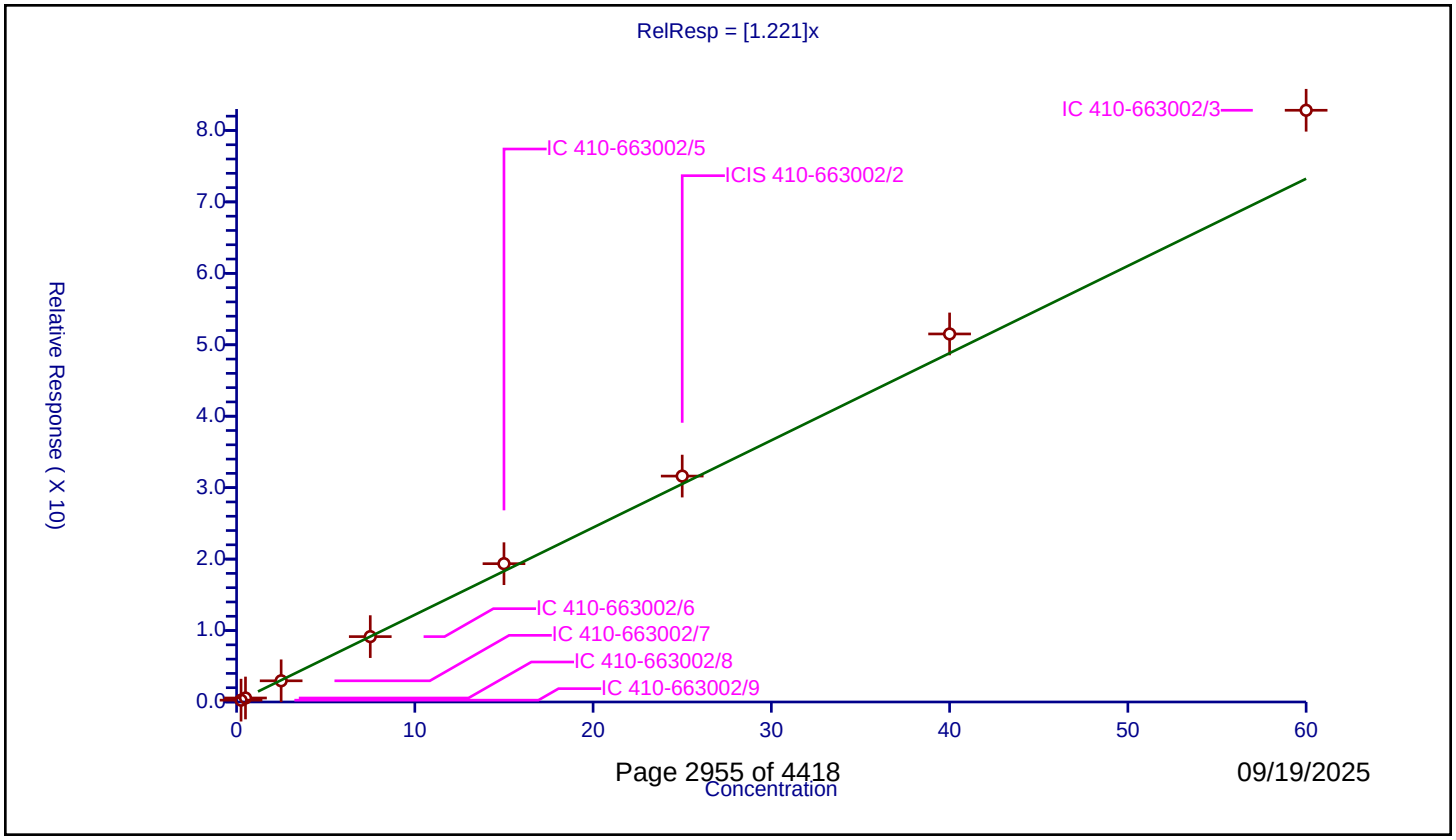
Curve Coefficients

Intercept:	0
Slope:	1.221

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.25	0.25539	5.0	156408.0	1.021559	Y
2	IC 410-663002/8	0.5	0.557305	5.0	161976.0	1.11461	Y
3	IC 410-663002/7	2.5	2.965122	5.0	159383.0	1.186049	Y
4	IC 410-663002/6	7.5	9.149148	5.0	183040.0	1.219886	Y
5	IC 410-663002/5	15.0	19.357727	5.0	165942.0	1.290515	Y
6	ICIS 410-663002/2	25.0	31.621203	5.0	192866.0	1.264848	Y
7	IC 410-663002/4	40.0	51.514124	5.0	223839.0	1.287853	Y
8	IC 410-663002/3	60.0	82.824404	5.0	184315.0	1.380407	Y



09/19/2025

Calibration / N-Nitrosodiethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

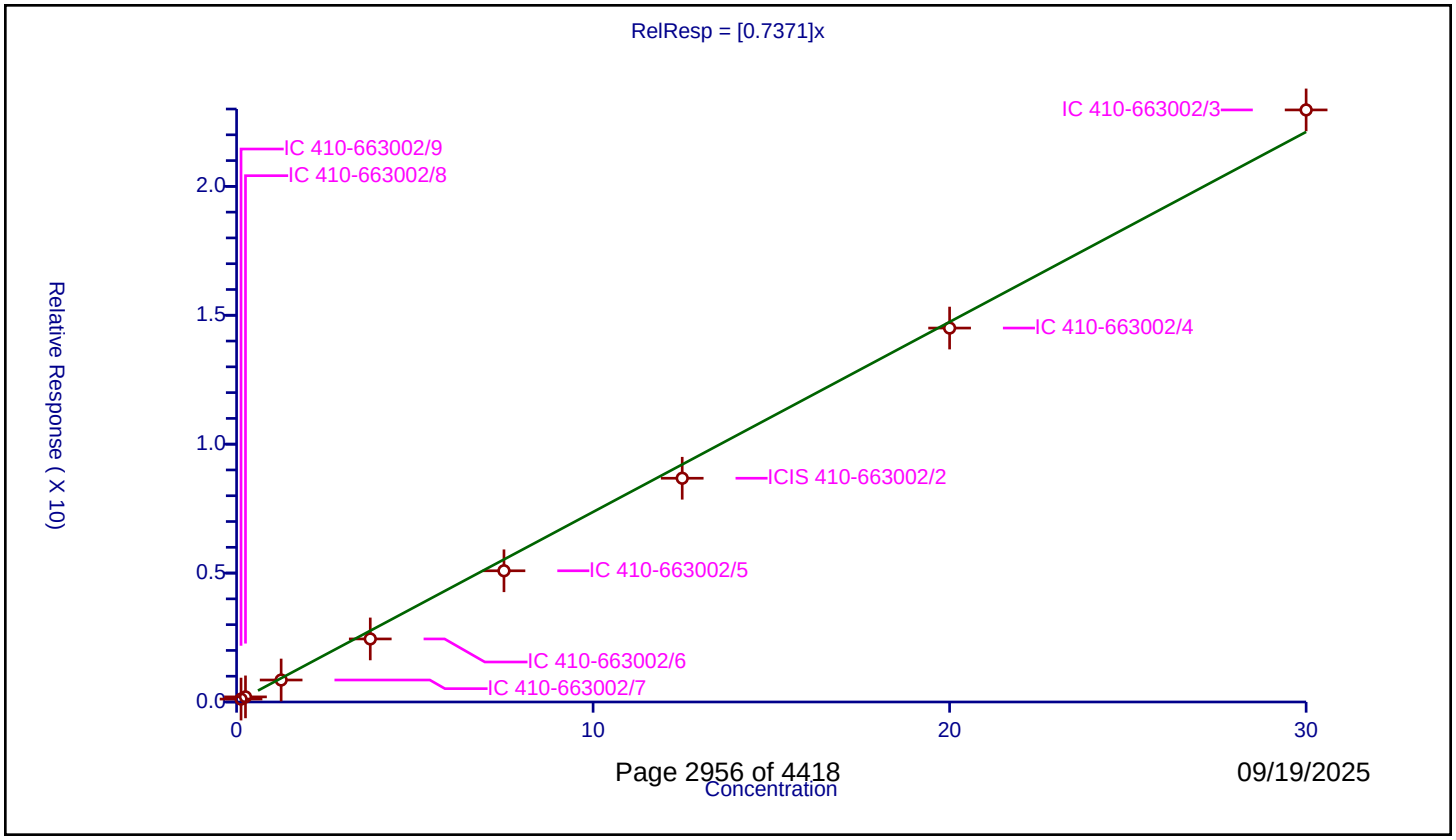
Curve Coefficients

Intercept:	0
Slope:	0.7371

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.113485	5.0	156408.0	0.907882	Y
2	IC 410-663002/8	0.25	0.197776	5.0	161976.0	0.791105	Y
3	IC 410-663002/7	1.25	0.852287	5.0	159383.0	0.681829	Y
4	IC 410-663002/6	3.75	2.446023	5.0	183040.0	0.652273	Y
5	IC 410-663002/5	7.5	5.089188	5.0	165942.0	0.678558	Y
6	ICIS 410-663002/2	12.5	8.678953	5.0	192866.0	0.694316	Y
7	IC 410-663002/4	20.0	14.503482	5.0	223839.0	0.725174	Y
8	IC 410-663002/3	30.0	22.964436	5.0	184315.0	0.765481	Y



Calibration / Ethyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

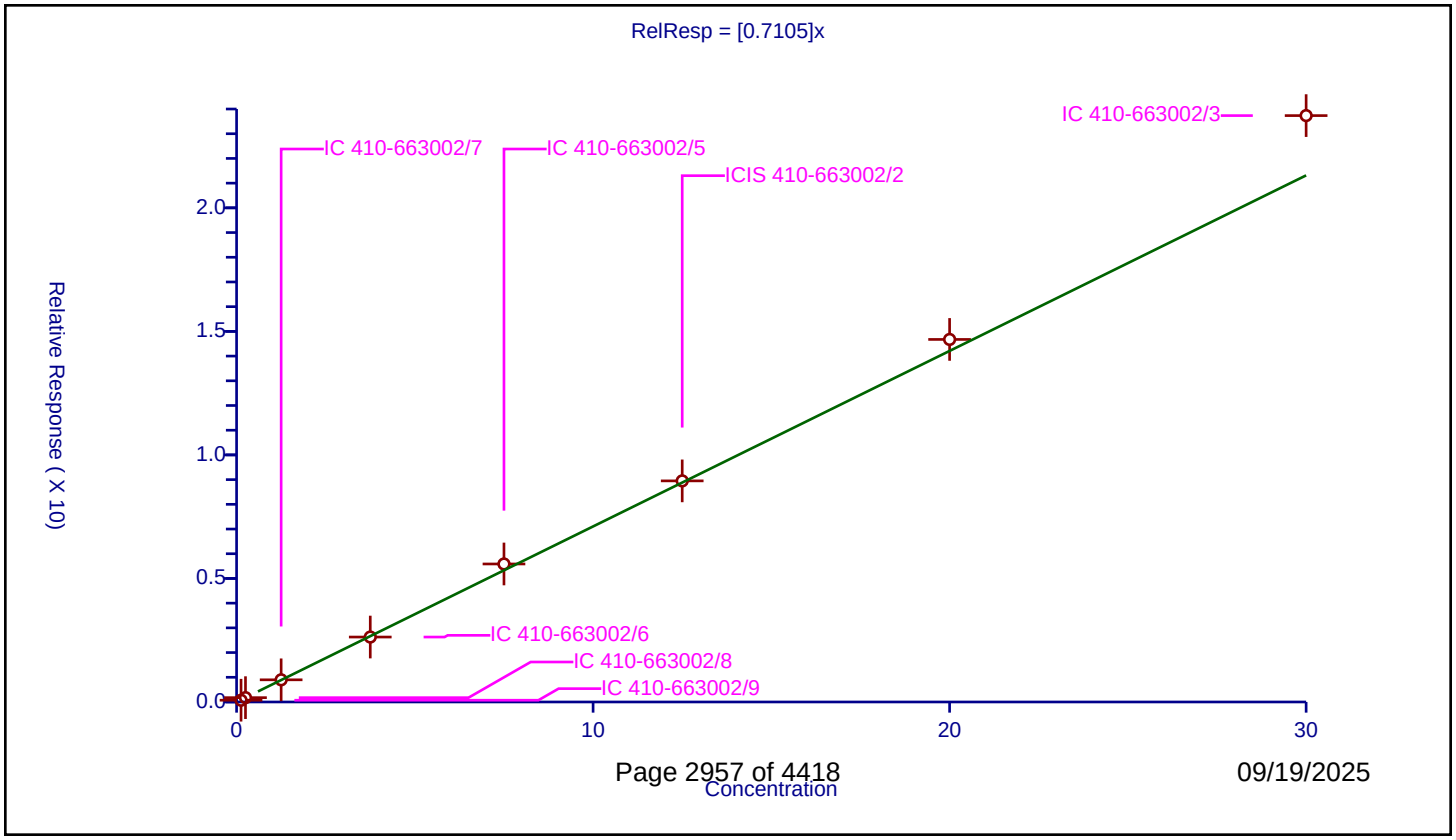
Curve Coefficients

Intercept:	0
Slope:	0.7105

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.072023	5.0	156408.0	0.576185	Y
2	IC 410-663002/8	0.25	0.175859	5.0	161976.0	0.703438	Y
3	IC 410-663002/7	1.25	0.897273	5.0	159383.0	0.717818	Y
4	IC 410-663002/6	3.75	2.628223	5.0	183040.0	0.70086	Y
5	IC 410-663002/5	7.5	5.585446	5.0	165942.0	0.744726	Y
6	ICIS 410-663002/2	12.5	8.949115	5.0	192866.0	0.715929	Y
7	IC 410-663002/4	20.0	14.673605	5.0	223839.0	0.73368	Y
8	IC 410-663002/3	30.0	23.73369	5.0	184315.0	0.791123	Y



Calibration / Benzaldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

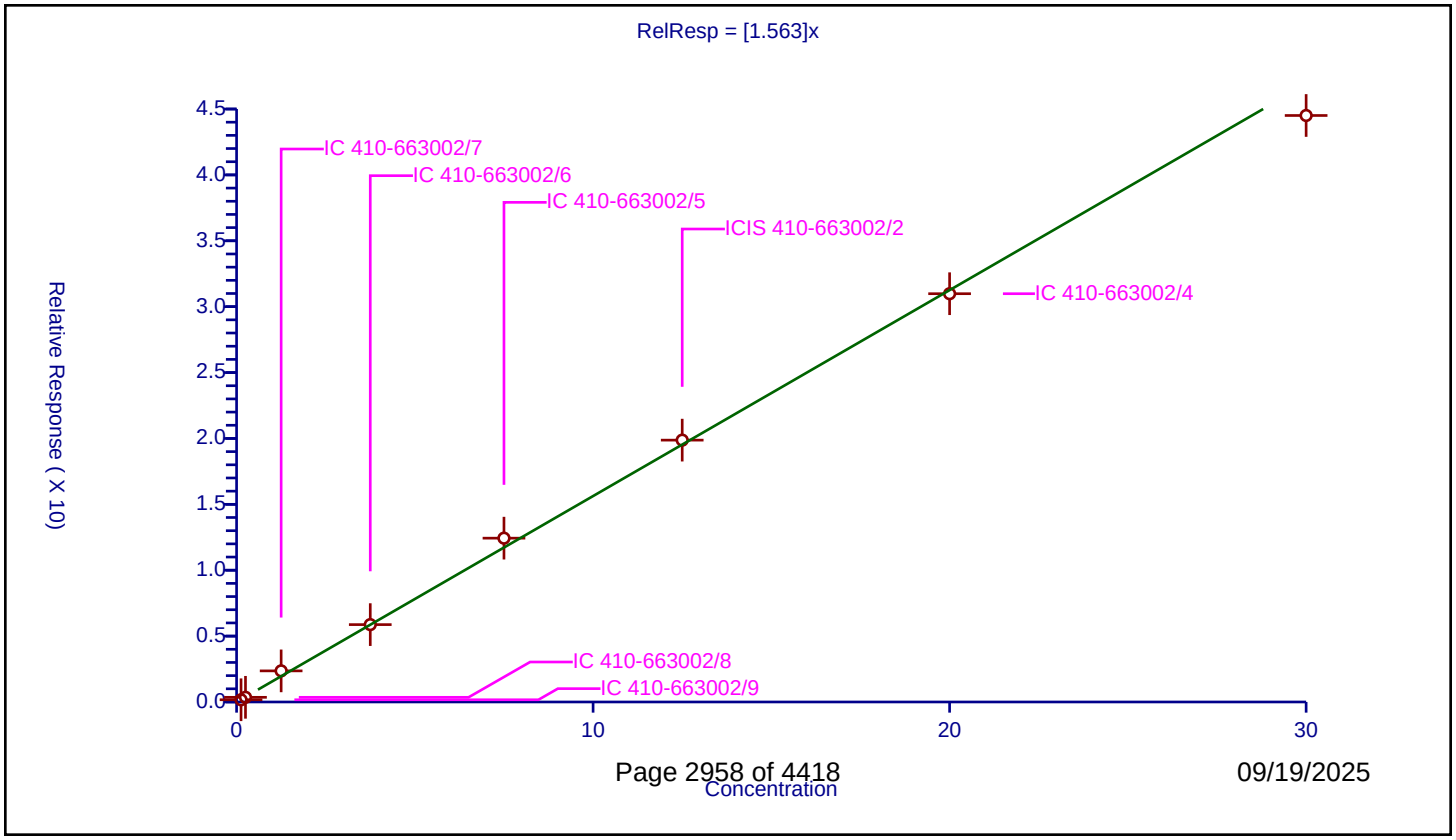
Curve Coefficients

Intercept:	0
Slope:	1.563

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.168182	5.0	156408.0	1.345455	Y
2	IC 410-663002/8	0.25	0.35533	5.0	161976.0	1.421322	Y
3	IC 410-663002/7	1.25	2.361481	5.0	159383.0	1.889185	Y
4	IC 410-663002/6	3.75	5.871749	5.0	183040.0	1.5658	Y
5	IC 410-663002/5	7.5	12.432386	5.0	165942.0	1.657651	Y
6	ICIS 410-663002/2	12.5	19.871906	5.0	192866.0	1.589752	Y
7	IC 410-663002/4	20.0	30.984391	5.0	223839.0	1.54922	Y
8	IC 410-663002/3	30.0	44.508287	5.0	184315.0	1.48361	Y



Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

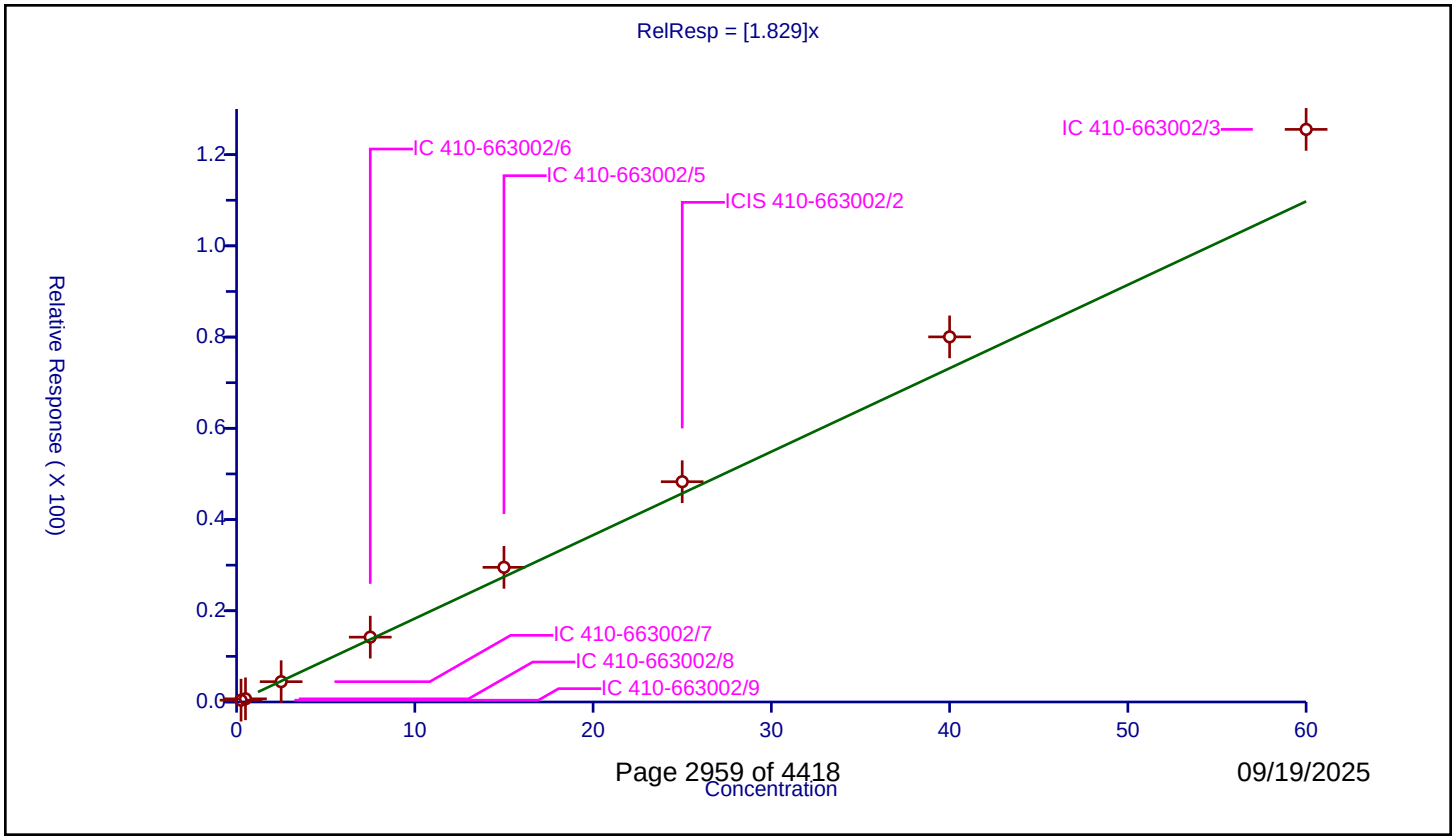
Curve Coefficients

Intercept:	0
Slope:	1.829

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.25	0.39365	5.0	156408.0	1.5746	Y
2	IC 410-663002/8	0.5	0.695196	5.0	161976.0	1.390391	Y
3	IC 410-663002/7	2.5	4.450224	5.0	159383.0	1.780089	Y
4	IC 410-663002/6	7.5	14.212631	5.0	183040.0	1.895017	Y
5	IC 410-663002/5	15.0	29.519621	5.0	165942.0	1.967975	Y
6	ICIS 410-663002/2	25.0	48.290886	5.0	192866.0	1.931635	Y
7	IC 410-663002/4	40.0	80.043424	5.0	223839.0	2.001086	Y
8	IC 410-663002/3	60.0	125.531807	5.0	184315.0	2.092197	Y



09/19/2025

Calibration / Aniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

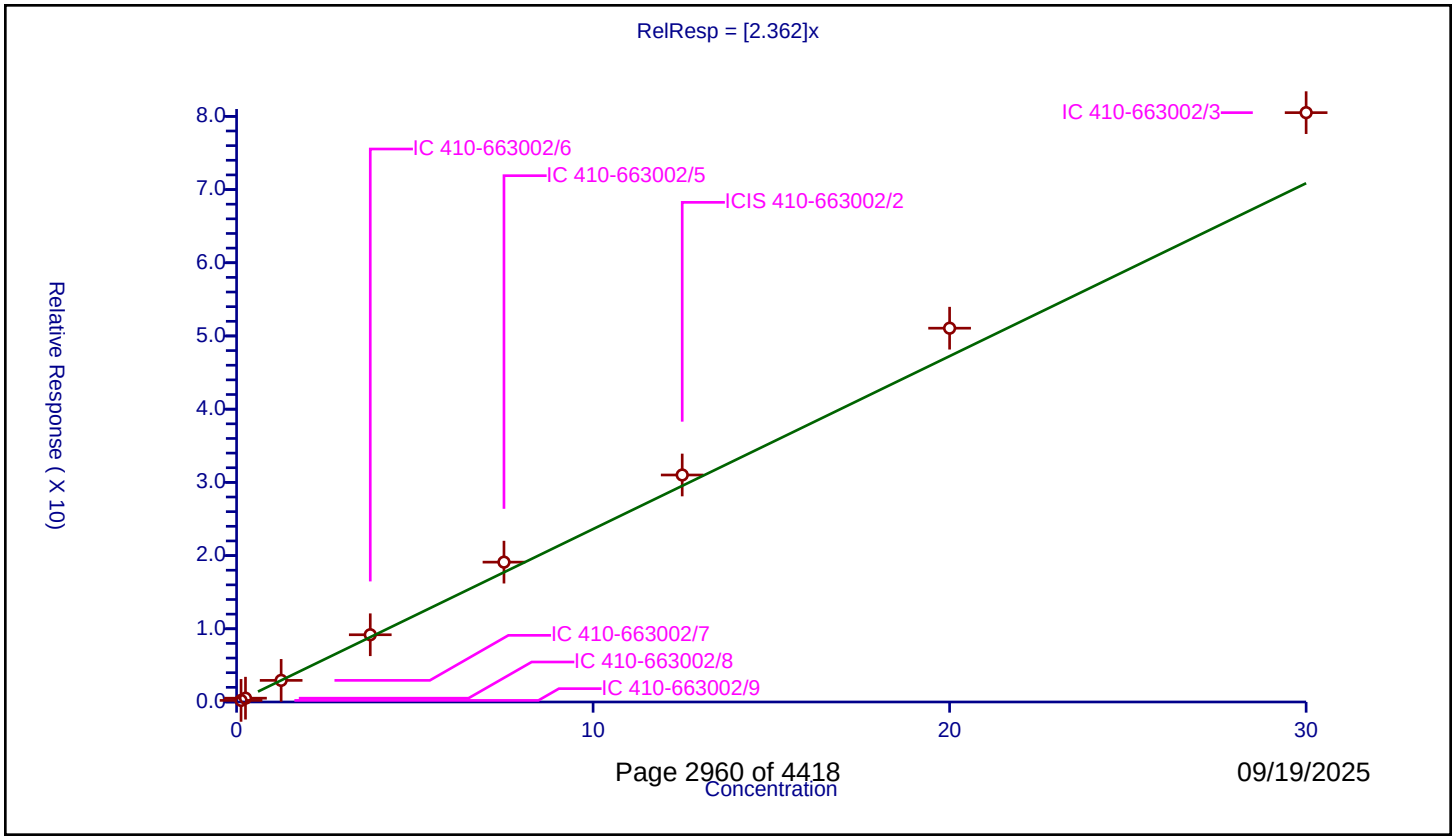
Curve Coefficients

Intercept:	0
Slope:	2.362

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.218371	5.0	156408.0	1.746969	Y
2	IC 410-663002/8	0.25	0.518379	5.0	161976.0	2.073517	Y
3	IC 410-663002/7	1.25	2.952228	5.0	159383.0	2.361783	Y
4	IC 410-663002/6	3.75	9.186052	5.0	183040.0	2.449614	Y
5	IC 410-663002/5	7.5	19.104627	5.0	165942.0	2.547284	Y
6	ICIS 410-663002/2	12.5	31.009665	5.0	192866.0	2.480773	Y
7	IC 410-663002/4	20.0	51.061254	5.0	223839.0	2.553063	Y
8	IC 410-663002/3	30.0	80.505819	5.0	184315.0	2.683527	Y



09/19/2025

Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

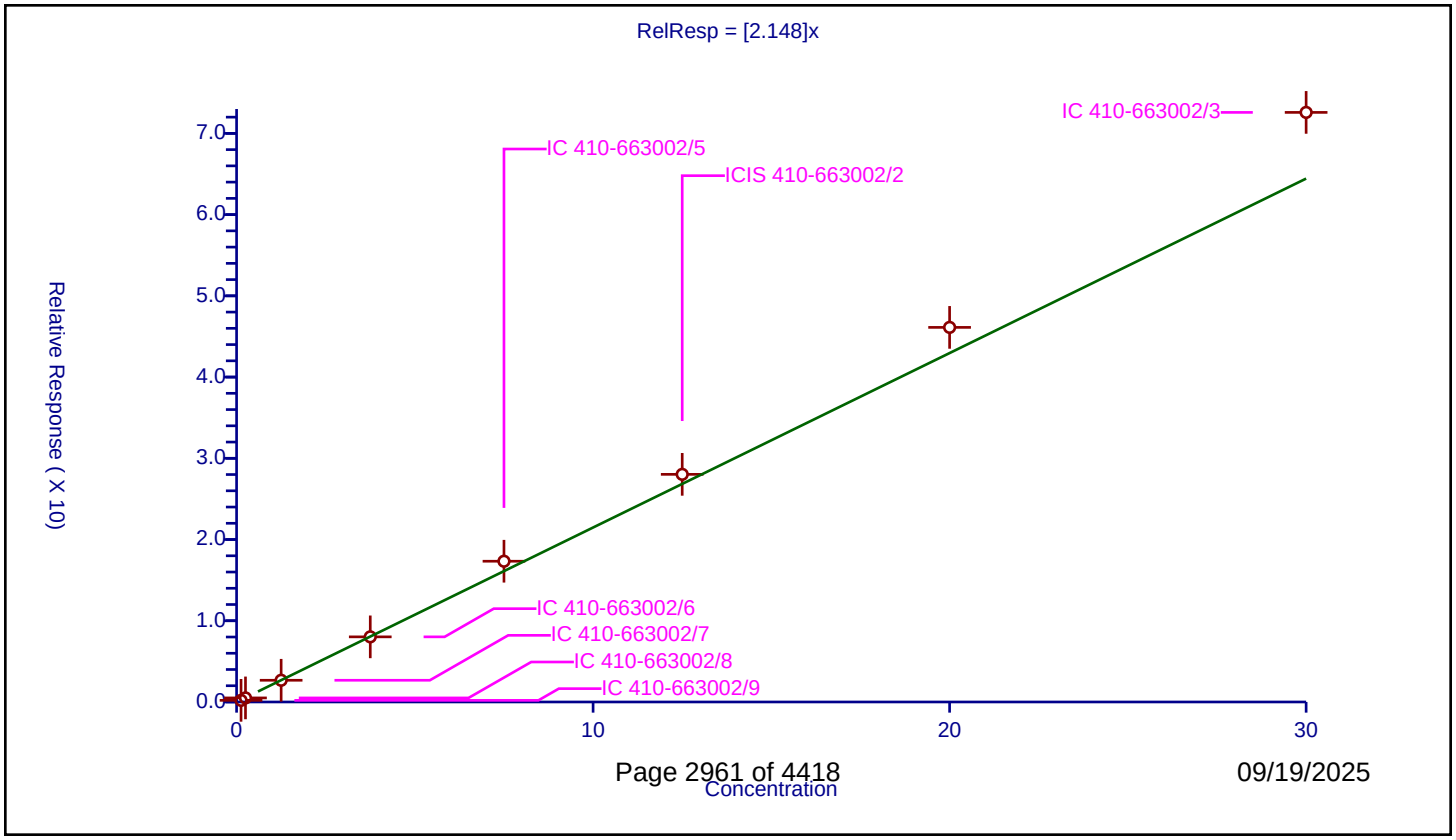
Curve Coefficients

Intercept:	0
Slope:	2.148

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.203378	5.0	156408.0	1.627027	Y
2	IC 410-663002/8	0.25	0.499981	5.0	161976.0	1.999926	Y
3	IC 410-663002/7	1.25	2.673999	5.0	159383.0	2.139199	Y
4	IC 410-663002/6	3.75	8.019176	5.0	183040.0	2.138447	Y
5	IC 410-663002/5	7.5	17.329187	5.0	165942.0	2.310558	Y
6	ICIS 410-663002/2	12.5	28.023783	5.0	192866.0	2.241903	Y
7	IC 410-663002/4	20.0	46.114841	5.0	223839.0	2.305742	Y
8	IC 410-663002/3	30.0	72.583539	5.0	184315.0	2.419451	Y



09/19/2025

Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

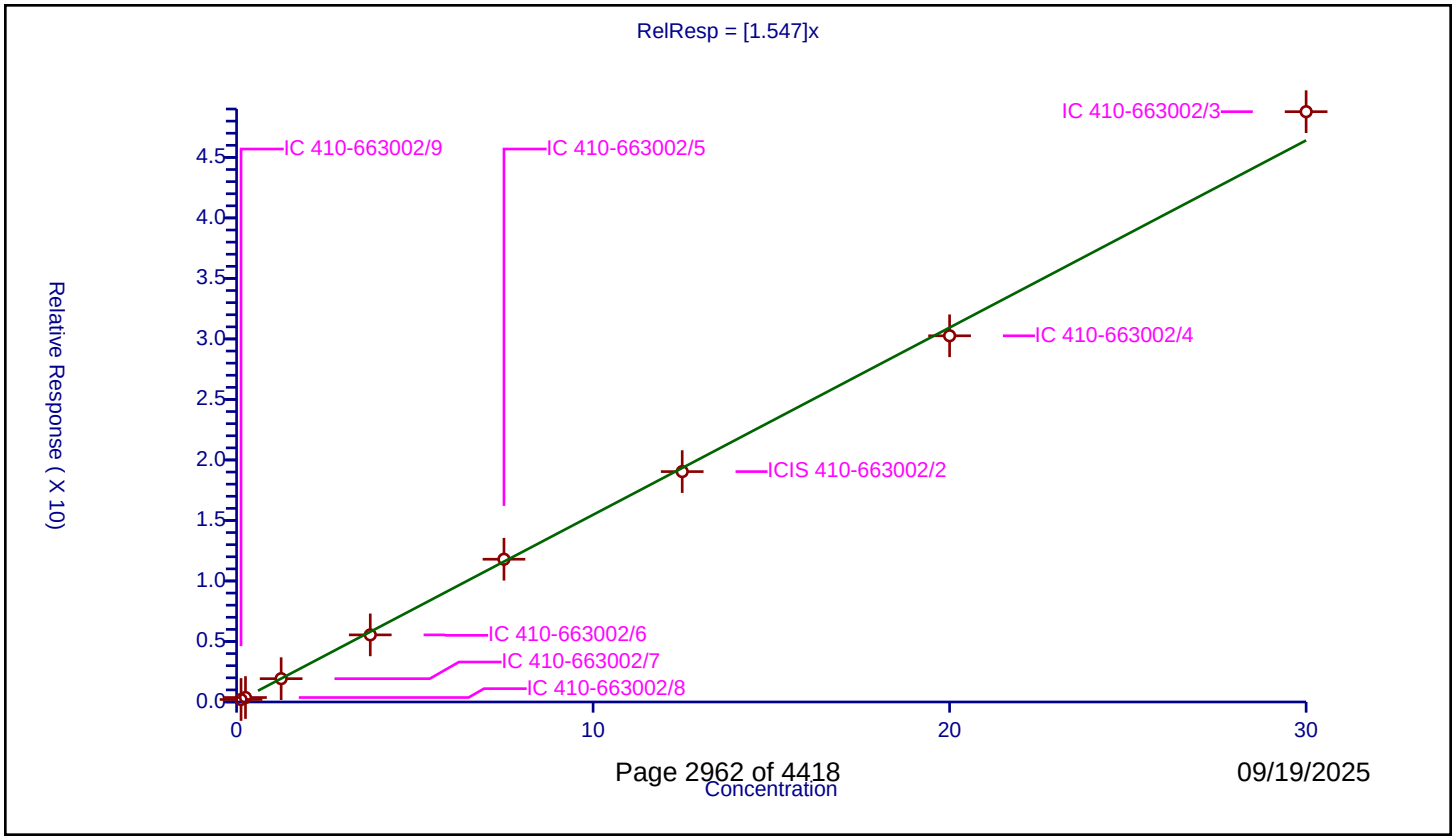
Curve Coefficients

Intercept:	0
Slope:	1.547

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.206064	5.0	156408.0	1.648509	Y
2	IC 410-663002/8	0.25	0.36811	5.0	161976.0	1.47244	Y
3	IC 410-663002/7	1.25	1.926052	5.0	159383.0	1.540842	Y
4	IC 410-663002/6	3.75	5.545892	5.0	183040.0	1.478904	Y
5	IC 410-663002/5	7.5	11.7962	5.0	165942.0	1.572827	Y
6	ICIS 410-663002/2	12.5	19.038115	5.0	192866.0	1.523049	Y
7	IC 410-663002/4	20.0	30.261036	5.0	223839.0	1.513052	Y
8	IC 410-663002/3	30.0	48.780023	5.0	184315.0	1.626001	Y



Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

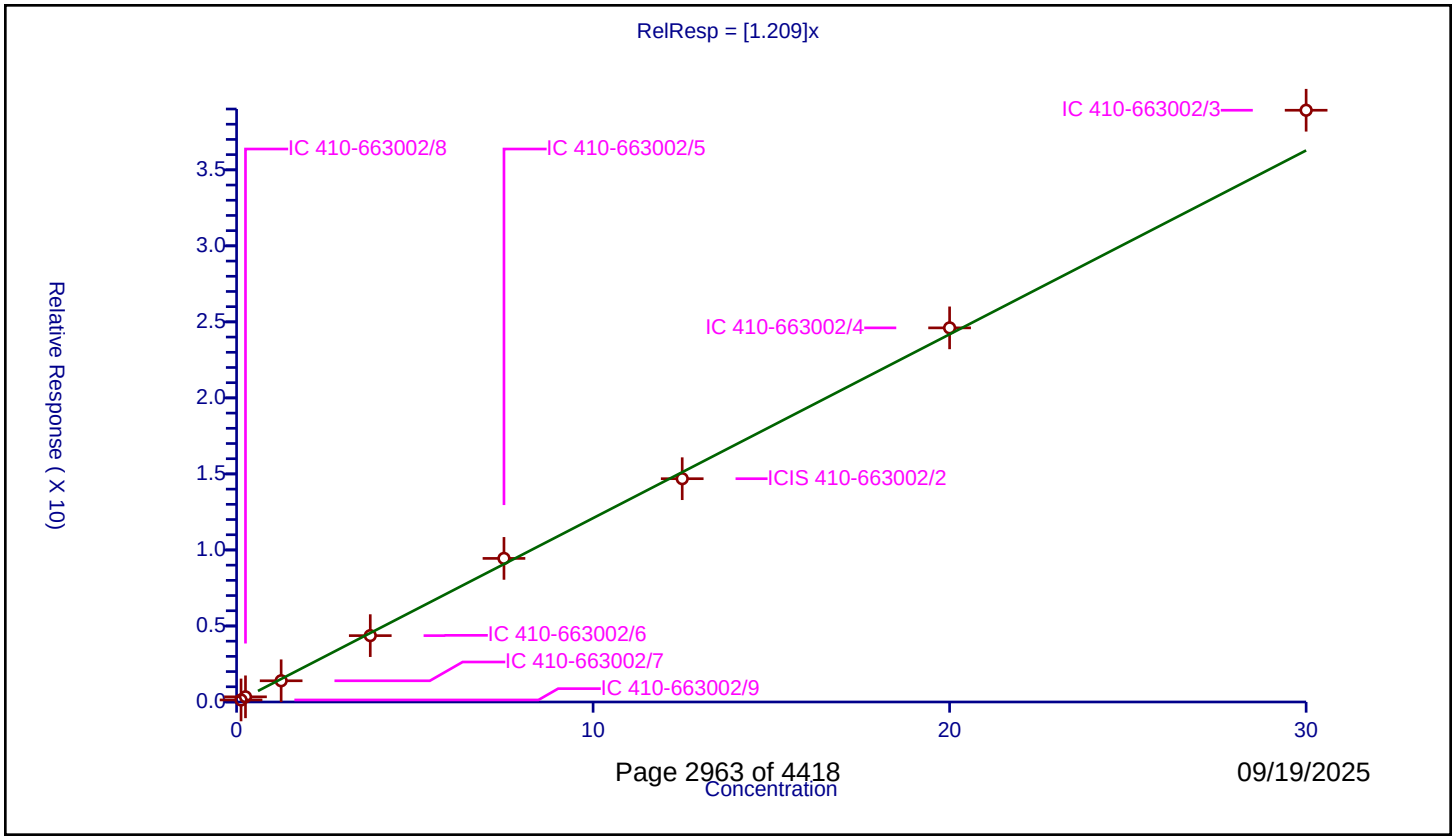
Curve Coefficients

Intercept:	0
Slope:	1.209

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.134104	5.0	156408.0	1.072835	Y
2	IC 410-663002/8	0.25	0.339834	5.0	161976.0	1.359337	Y
3	IC 410-663002/7	1.25	1.394565	5.0	159383.0	1.115652	Y
4	IC 410-663002/6	3.75	4.365221	5.0	183040.0	1.164059	Y
5	IC 410-663002/5	7.5	9.443751	5.0	165942.0	1.259167	Y
6	ICIS 410-663002/2	12.5	14.686492	5.0	192866.0	1.174919	Y
7	IC 410-663002/4	20.0	24.605453	5.0	223839.0	1.230273	Y
8	IC 410-663002/3	30.0	38.919621	5.0	184315.0	1.297321	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

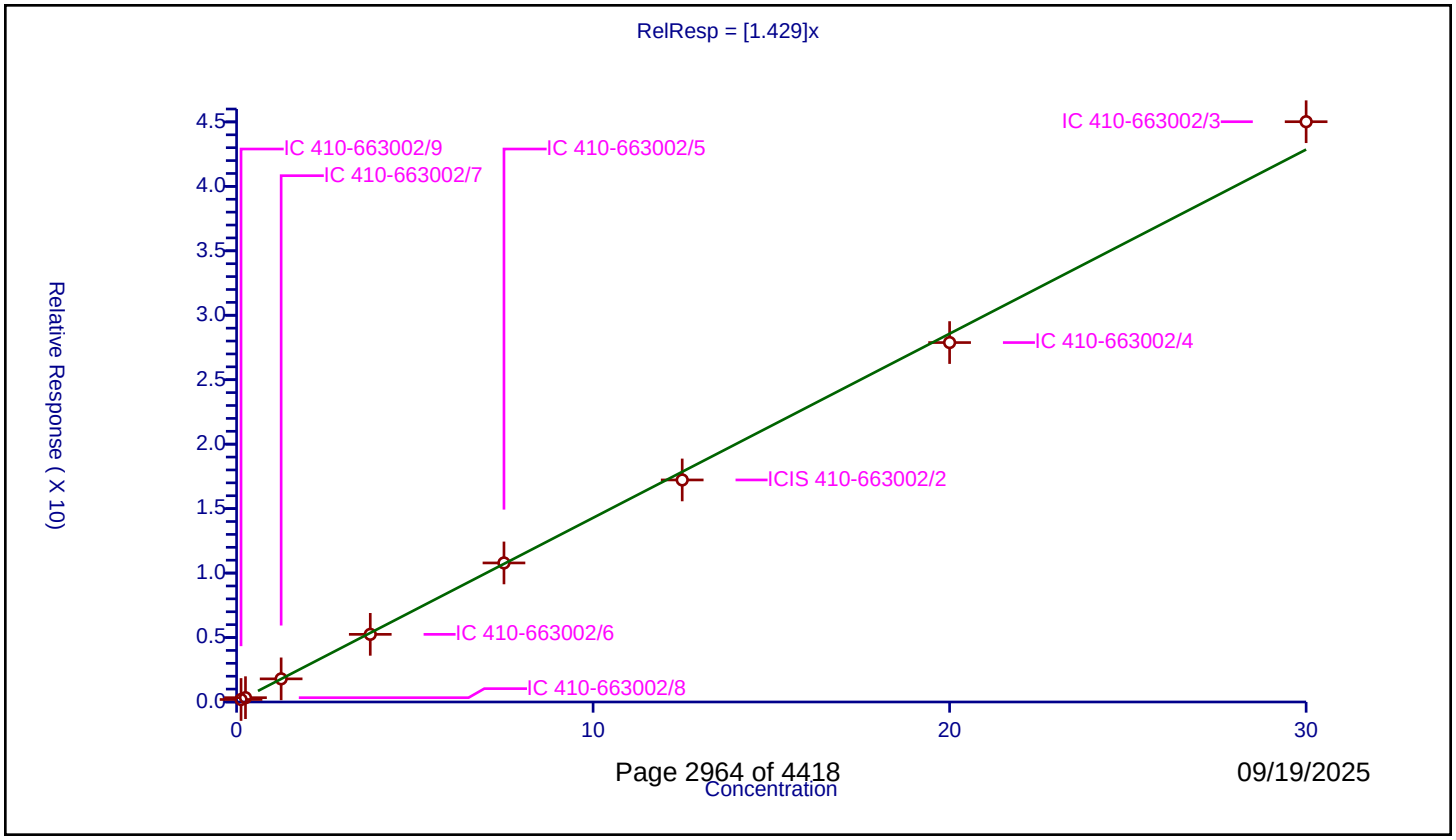
Curve Coefficients

Intercept:	0
Slope:	1.429

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.193724	5.0	156408.0	1.549793	Y
2	IC 410-663002/8	0.25	0.333228	5.0	161976.0	1.332914	Y
3	IC 410-663002/7	1.25	1.794326	5.0	159383.0	1.43546	Y
4	IC 410-663002/6	3.75	5.247815	5.0	183040.0	1.399417	Y
5	IC 410-663002/5	7.5	10.787173	5.0	165942.0	1.43829	Y
6	ICIS 410-663002/2	12.5	17.224783	5.0	192866.0	1.377983	Y
7	IC 410-663002/4	20.0	27.883099	5.0	223839.0	1.394155	Y
8	IC 410-663002/3	30.0	45.015354	5.0	184315.0	1.500512	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

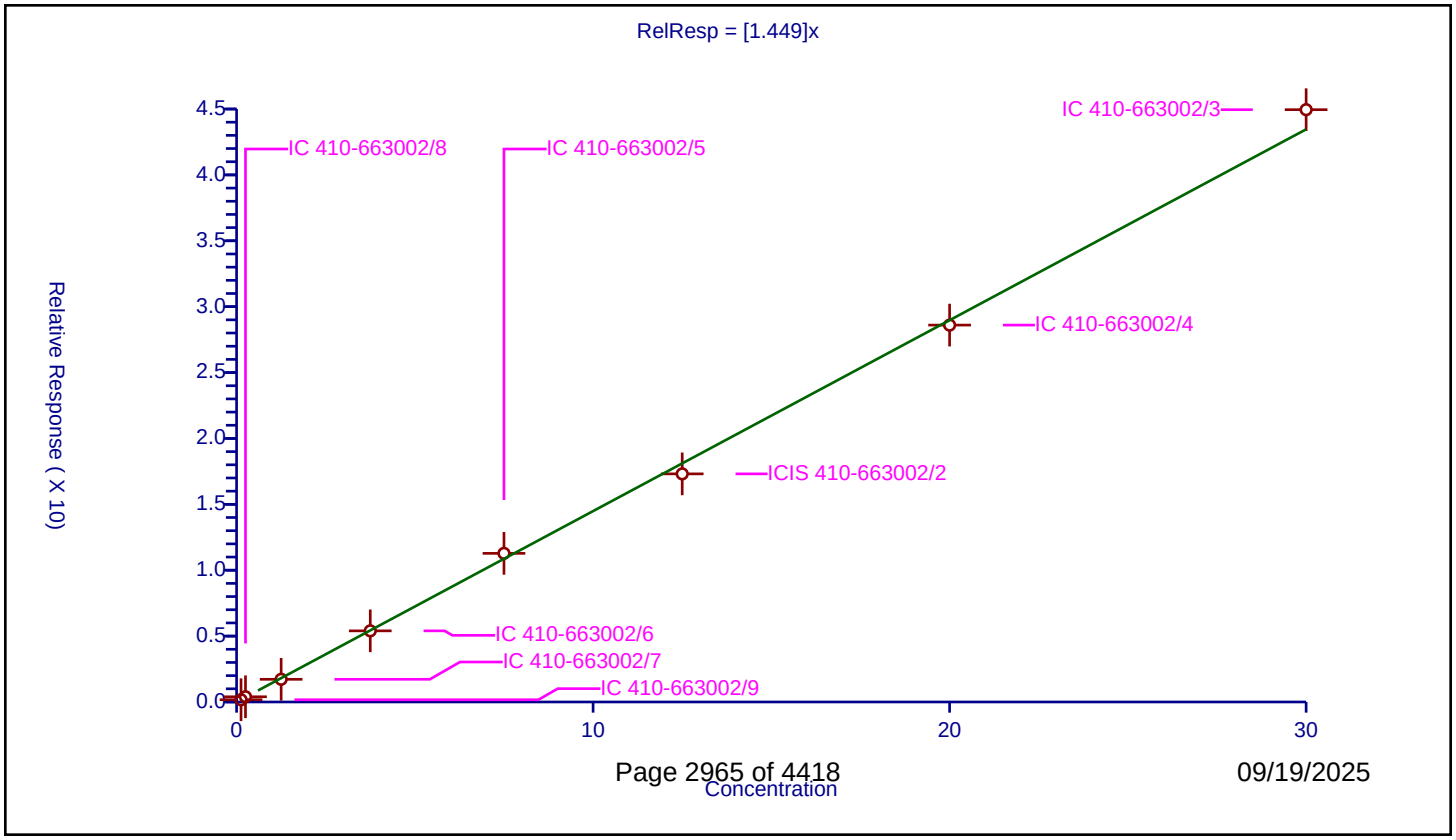
Curve Coefficients

Intercept:	0
Slope:	1.449

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.171123	5.0	156408.0	1.368984	Y
2	IC 410-663002/8	0.25	0.396355	5.0	161976.0	1.58542	Y
3	IC 410-663002/7	1.25	1.721921	5.0	159383.0	1.377537	Y
4	IC 410-663002/6	3.75	5.398738	5.0	183040.0	1.439663	Y
5	IC 410-663002/5	7.5	11.279965	5.0	165942.0	1.503995	Y
6	ICIS 410-663002/2	12.5	17.311294	5.0	192866.0	1.384904	Y
7	IC 410-663002/4	20.0	28.60145	5.0	223839.0	1.430073	Y
8	IC 410-663002/3	30.0	44.950085	5.0	184315.0	1.498336	Y



09/19/2025

Calibration / Benzyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

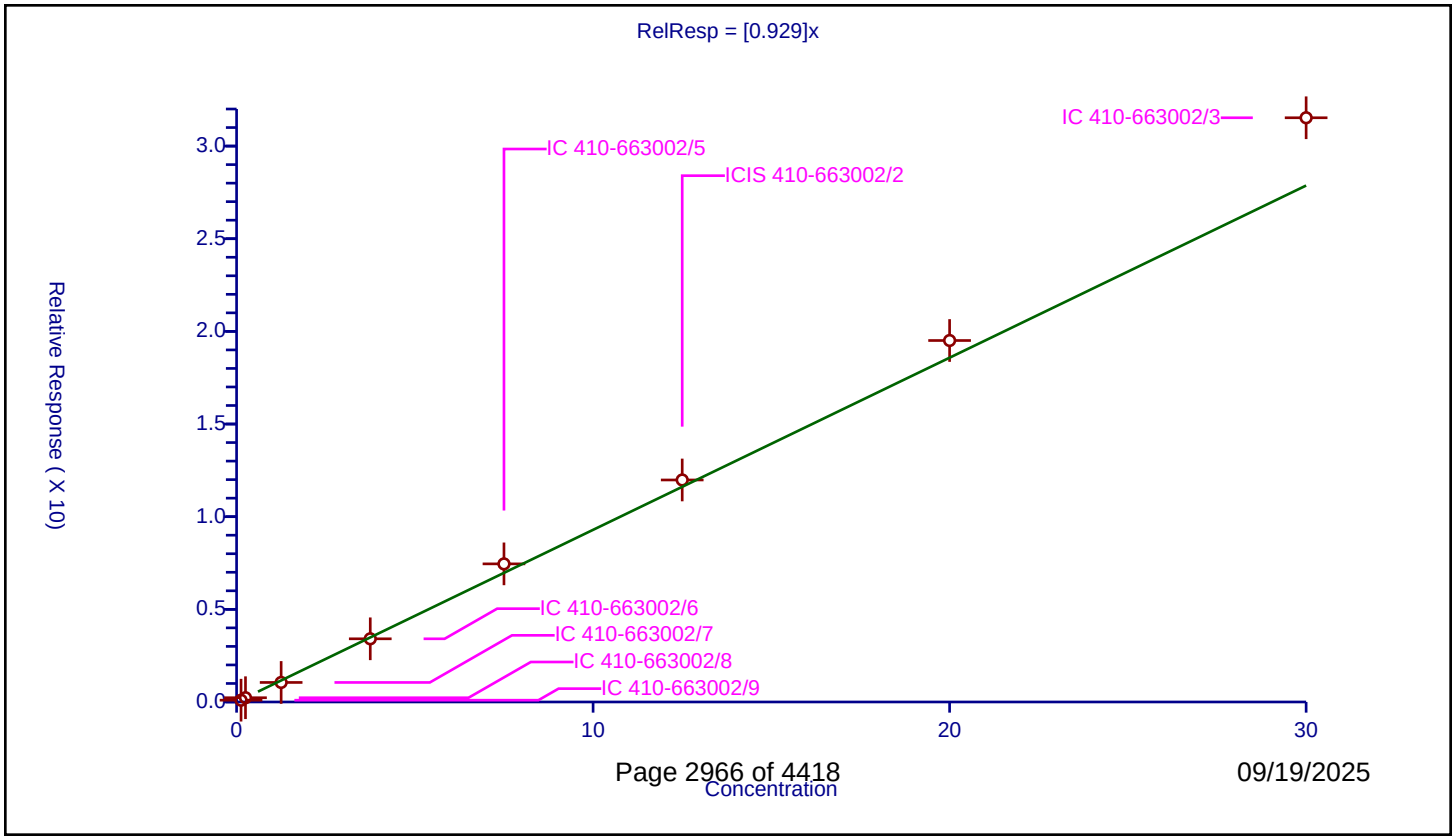
Curve Coefficients

Intercept:	0
Slope:	0.929

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.097501	5.0	156408.0	0.780011	Y
2	IC 410-663002/8	0.25	0.23025	5.0	161976.0	0.921001	Y
3	IC 410-663002/7	1.25	1.053845	5.0	159383.0	0.843076	Y
4	IC 410-663002/6	3.75	3.410184	5.0	183040.0	0.909382	Y
5	IC 410-663002/5	7.5	7.452965	5.0	165942.0	0.993729	Y
6	ICIS 410-663002/2	12.5	11.981013	5.0	192866.0	0.958481	Y
7	IC 410-663002/4	20.0	19.507749	5.0	223839.0	0.975387	Y
8	IC 410-663002/3	30.0	31.527494	5.0	184315.0	1.050916	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

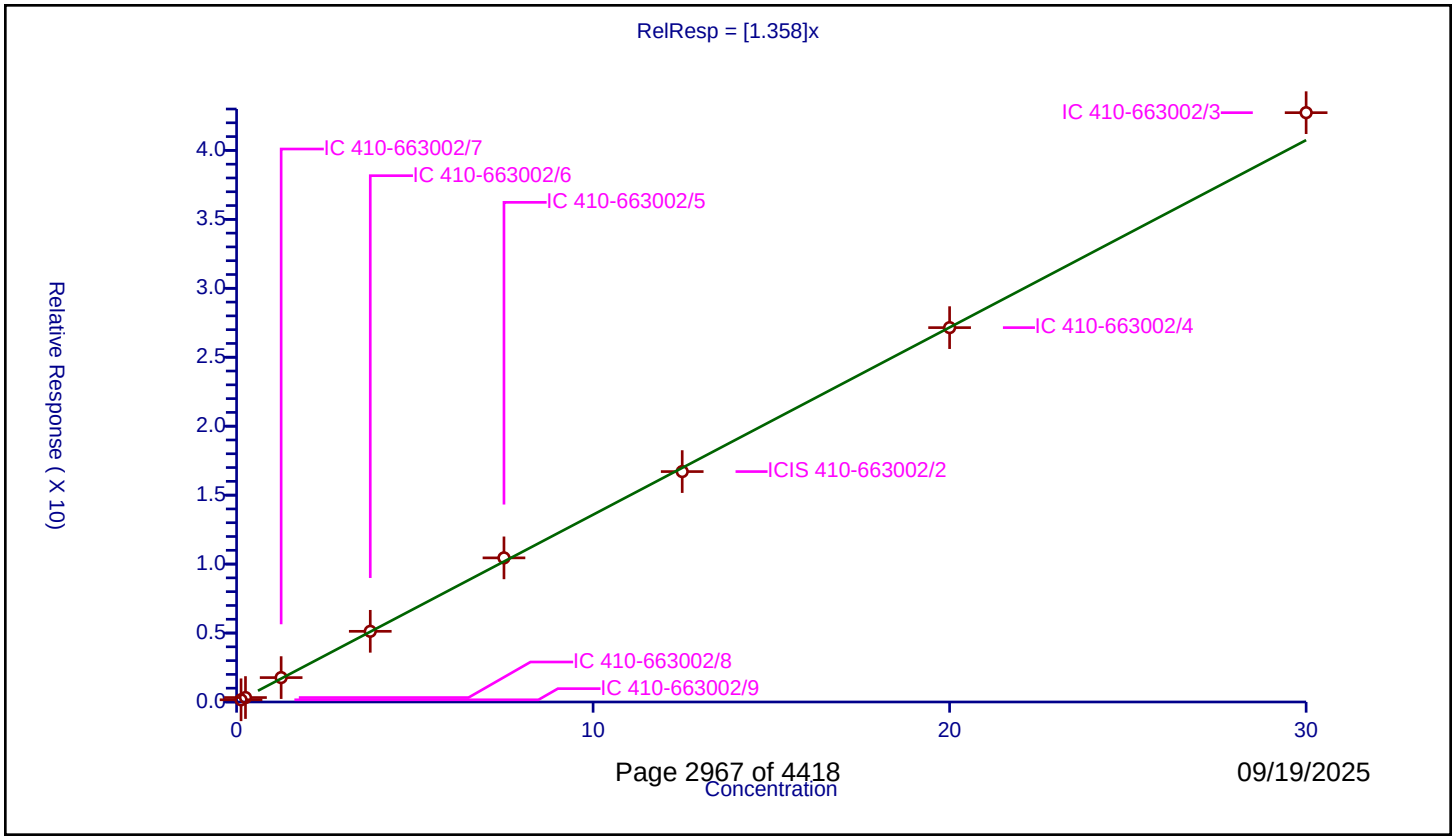
Curve Coefficients

Intercept:	0
Slope:	1.358

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.159998	5.0	156408.0	1.279986	Y
2	IC 410-663002/8	0.25	0.322795	5.0	161976.0	1.291179	Y
3	IC 410-663002/7	1.25	1.769135	5.0	159383.0	1.415308	Y
4	IC 410-663002/6	3.75	5.125492	5.0	183040.0	1.366798	Y
5	IC 410-663002/5	7.5	10.451302	5.0	165942.0	1.393507	Y
6	ICIS 410-663002/2	12.5	16.707688	5.0	192866.0	1.336615	Y
7	IC 410-663002/4	20.0	27.146453	5.0	223839.0	1.357323	Y
8	IC 410-663002/3	30.0	42.735751	5.0	184315.0	1.424525	Y



Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

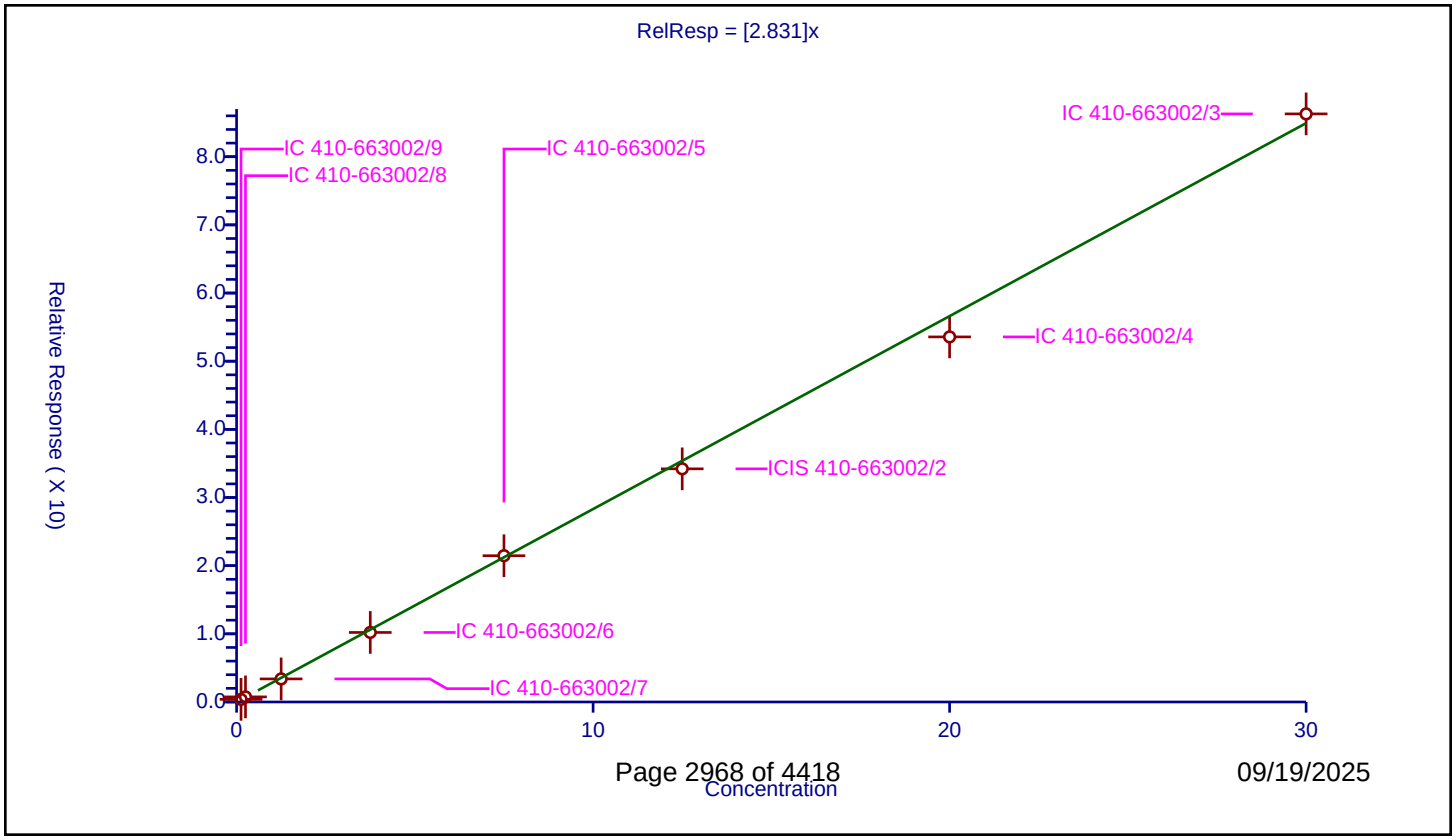
Curve Coefficients

Intercept:	0
Slope:	2.831

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.384251	5.0	156408.0	3.074012	Y
2	IC 410-663002/8	0.25	0.747302	5.0	161976.0	2.989208	Y
3	IC 410-663002/7	1.25	3.386371	5.0	159383.0	2.709097	Y
4	IC 410-663002/6	3.75	10.202906	5.0	183040.0	2.720775	Y
5	IC 410-663002/5	7.5	21.462469	5.0	165942.0	2.861663	Y
6	ICIS 410-663002/2	12.5	34.208933	5.0	192866.0	2.736715	Y
7	IC 410-663002/4	20.0	53.564013	5.0	223839.0	2.678201	Y
8	IC 410-663002/3	30.0	86.282994	5.0	184315.0	2.8761	Y



Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

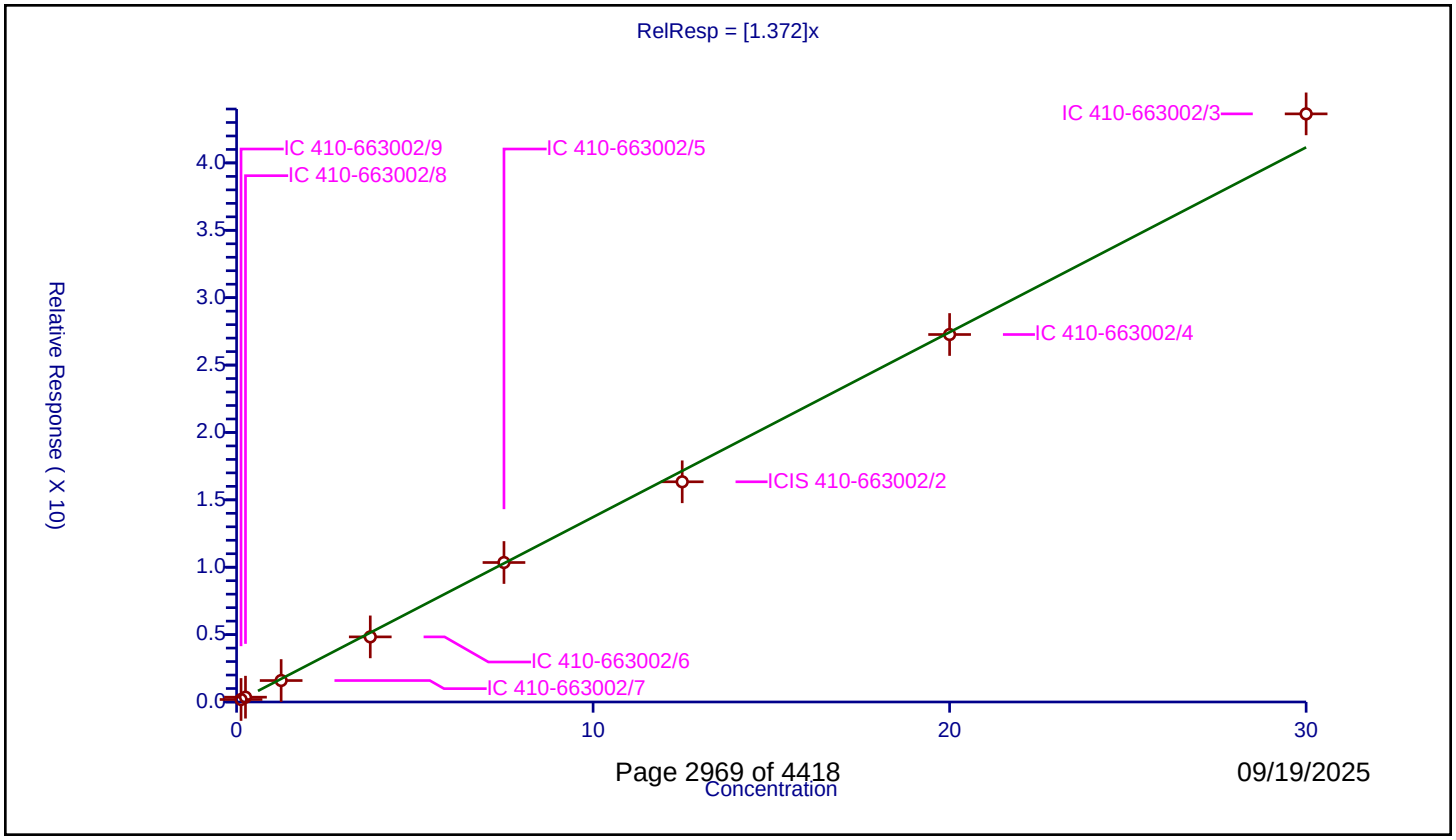
Curve Coefficients

Intercept:	0
Slope:	1.372

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.185189	5.0	156408.0	1.48151	Y
2	IC 410-663002/8	0.25	0.356596	5.0	161976.0	1.426384	Y
3	IC 410-663002/7	1.25	1.591951	5.0	159383.0	1.273561	Y
4	IC 410-663002/6	3.75	4.830474	5.0	183040.0	1.288126	Y
5	IC 410-663002/5	7.5	10.350243	5.0	165942.0	1.380032	Y
6	ICIS 410-663002/2	12.5	16.339194	5.0	192866.0	1.307136	Y
7	IC 410-663002/4	20.0	27.267701	5.0	223839.0	1.363385	Y
8	IC 410-663002/3	30.0	43.640724	5.0	184315.0	1.454691	Y



09/19/2025

Calibration / N-Nitrosopyrrolidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

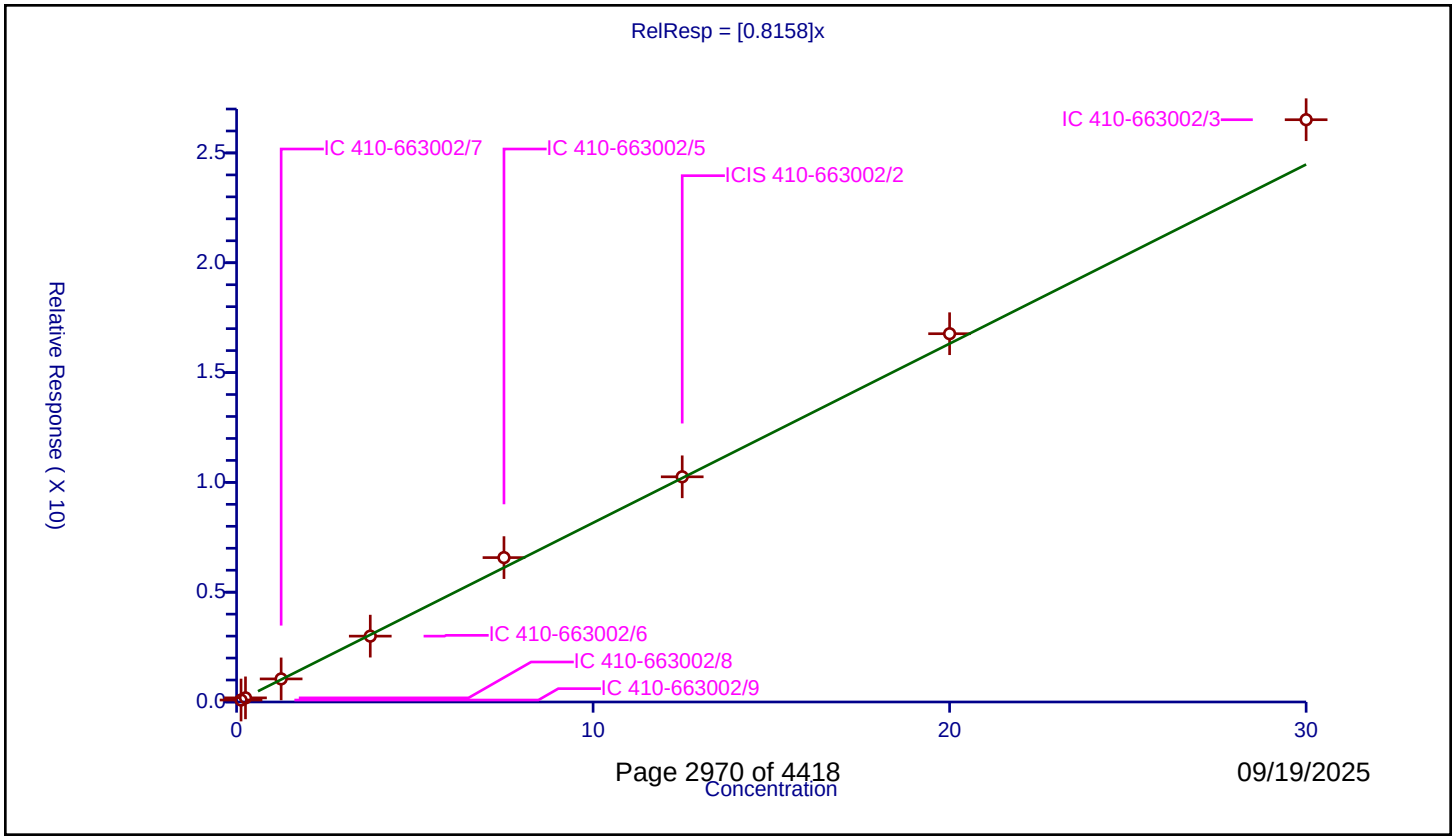
Curve Coefficients

Intercept:	0
Slope:	0.8158

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.089605	5.0	156408.0	0.716843	Y
2	IC 410-663002/8	0.25	0.187682	5.0	161976.0	0.750729	Y
3	IC 410-663002/7	1.25	1.050583	5.0	159383.0	0.840466	Y
4	IC 410-663002/6	3.75	2.998825	5.0	183040.0	0.799687	Y
5	IC 410-663002/5	7.5	6.573833	5.0	165942.0	0.876511	Y
6	ICIS 410-663002/2	12.5	10.253155	5.0	192866.0	0.820252	Y
7	IC 410-663002/4	20.0	16.768637	5.0	223839.0	0.838432	Y
8	IC 410-663002/3	30.0	26.513035	5.0	184315.0	0.883768	Y



09/19/2025

Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

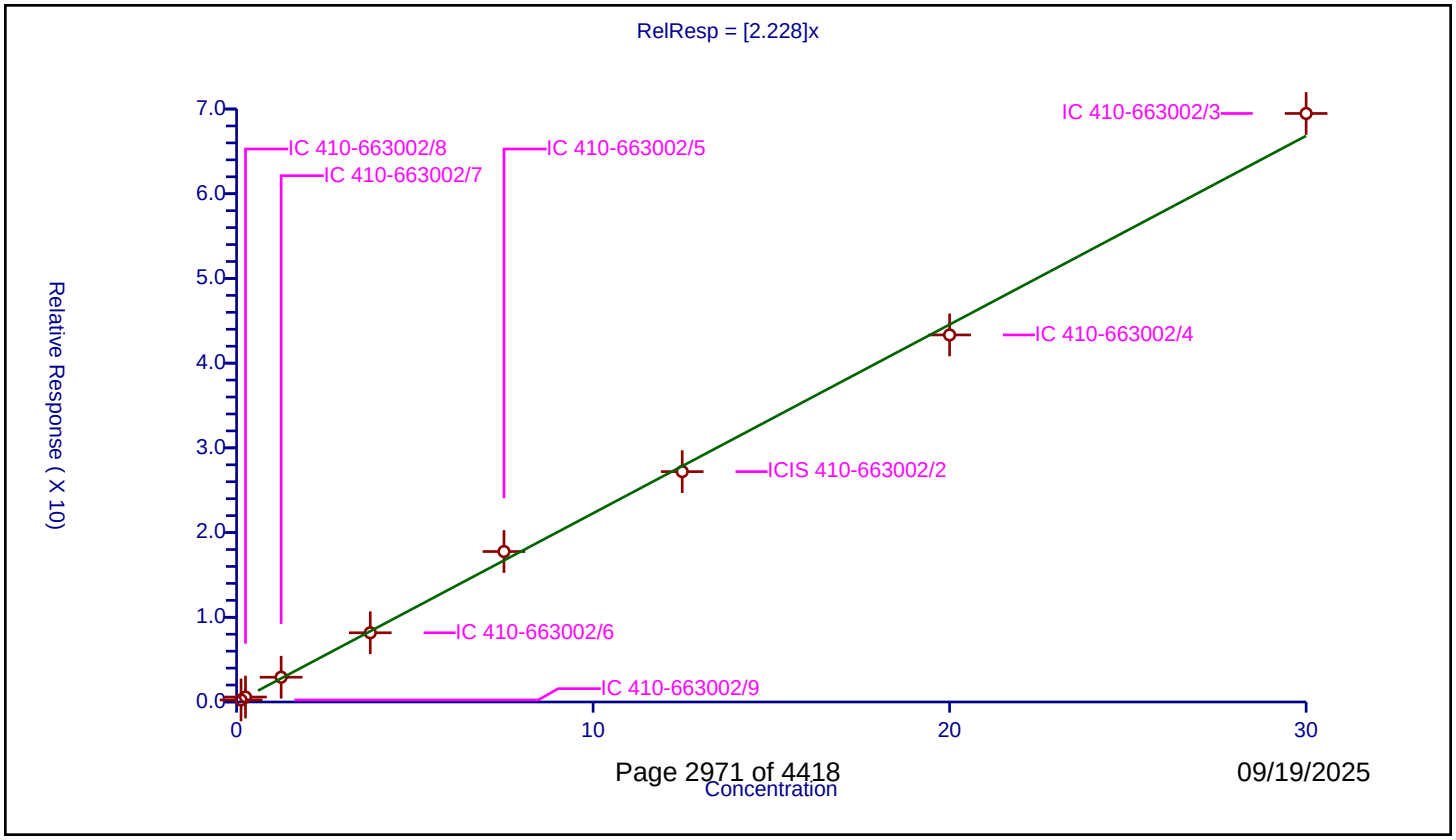
Curve Coefficients

Intercept:	0
Slope:	2.228

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.242091	5.0	156408.0	1.93673	Y
2	IC 410-663002/8	0.25	0.585303	5.0	161976.0	2.341211	Y
3	IC 410-663002/7	1.25	2.92412	5.0	159383.0	2.339296	Y
4	IC 410-663002/6	3.75	8.1704	5.0	183040.0	2.178773	Y
5	IC 410-663002/5	7.5	17.763918	5.0	165942.0	2.368522	Y
6	ICIS 410-663002/2	12.5	27.195073	5.0	192866.0	2.175606	Y
7	IC 410-663002/4	20.0	43.32929	5.0	223839.0	2.166465	Y
8	IC 410-663002/3	30.0	69.473537	5.0	184315.0	2.315785	Y



Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

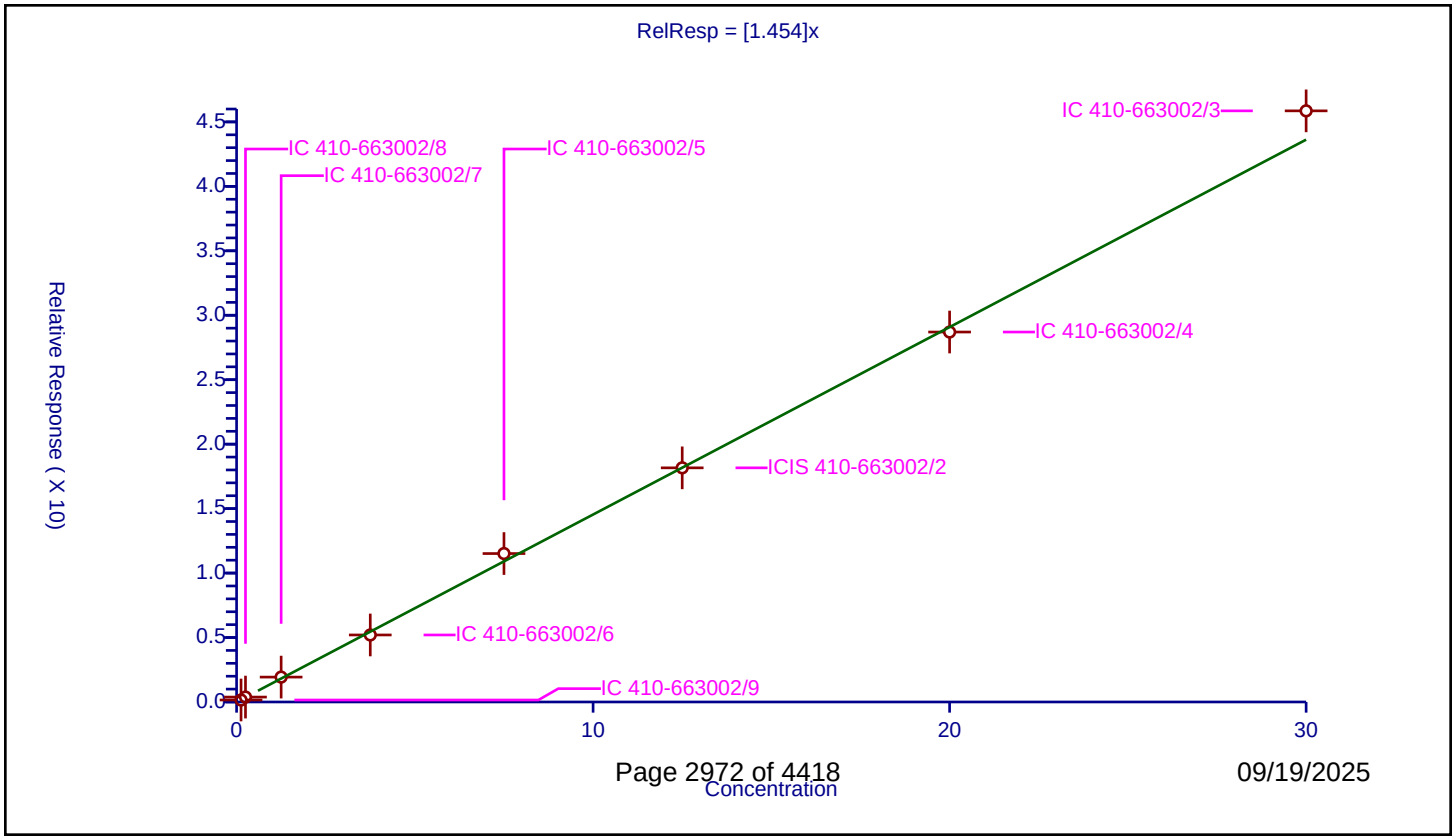
Curve Coefficients

Intercept:	0
Slope:	1.454

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.153189	5.0	156408.0	1.225513	Y
2	IC 410-663002/8	0.25	0.380797	5.0	161976.0	1.523189	Y
3	IC 410-663002/7	1.25	1.931762	5.0	159383.0	1.545409	Y
4	IC 410-663002/6	3.75	5.199519	5.0	183040.0	1.386538	Y
5	IC 410-663002/5	7.5	11.515861	5.0	165942.0	1.535448	Y
6	ICIS 410-663002/2	12.5	18.164788	5.0	192866.0	1.453183	Y
7	IC 410-663002/4	20.0	28.700405	5.0	223839.0	1.43502	Y
8	IC 410-663002/3	30.0	45.856686	5.0	184315.0	1.528556	Y



Calibration / N-Nitrosomorpholine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

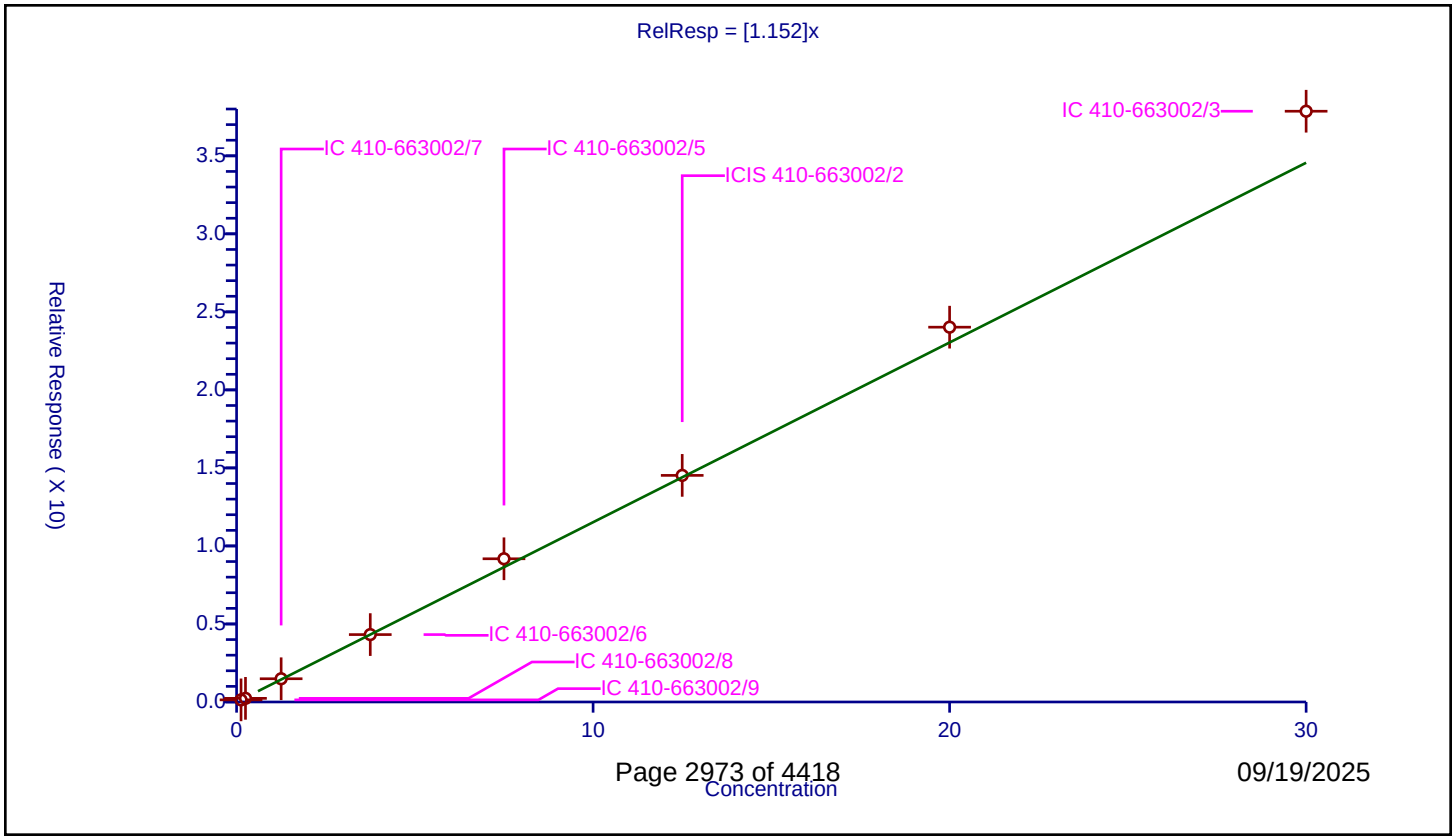
Curve Coefficients

Intercept:	0
Slope:	1.152

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.136214	5.0	156408.0	1.089714	Y
2	IC 410-663002/8	0.25	0.233491	5.0	161976.0	0.933966	Y
3	IC 410-663002/7	1.25	1.489086	5.0	159383.0	1.191269	Y
4	IC 410-663002/6	3.75	4.319384	5.0	183040.0	1.151836	Y
5	IC 410-663002/5	7.5	9.177634	5.0	165942.0	1.223685	Y
6	ICIS 410-663002/2	12.5	14.521844	5.0	192866.0	1.161748	Y
7	IC 410-663002/4	20.0	24.020122	5.0	223839.0	1.201006	Y
8	IC 410-663002/3	30.0	37.857527	5.0	184315.0	1.261918	Y



Calibration / 2-Toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

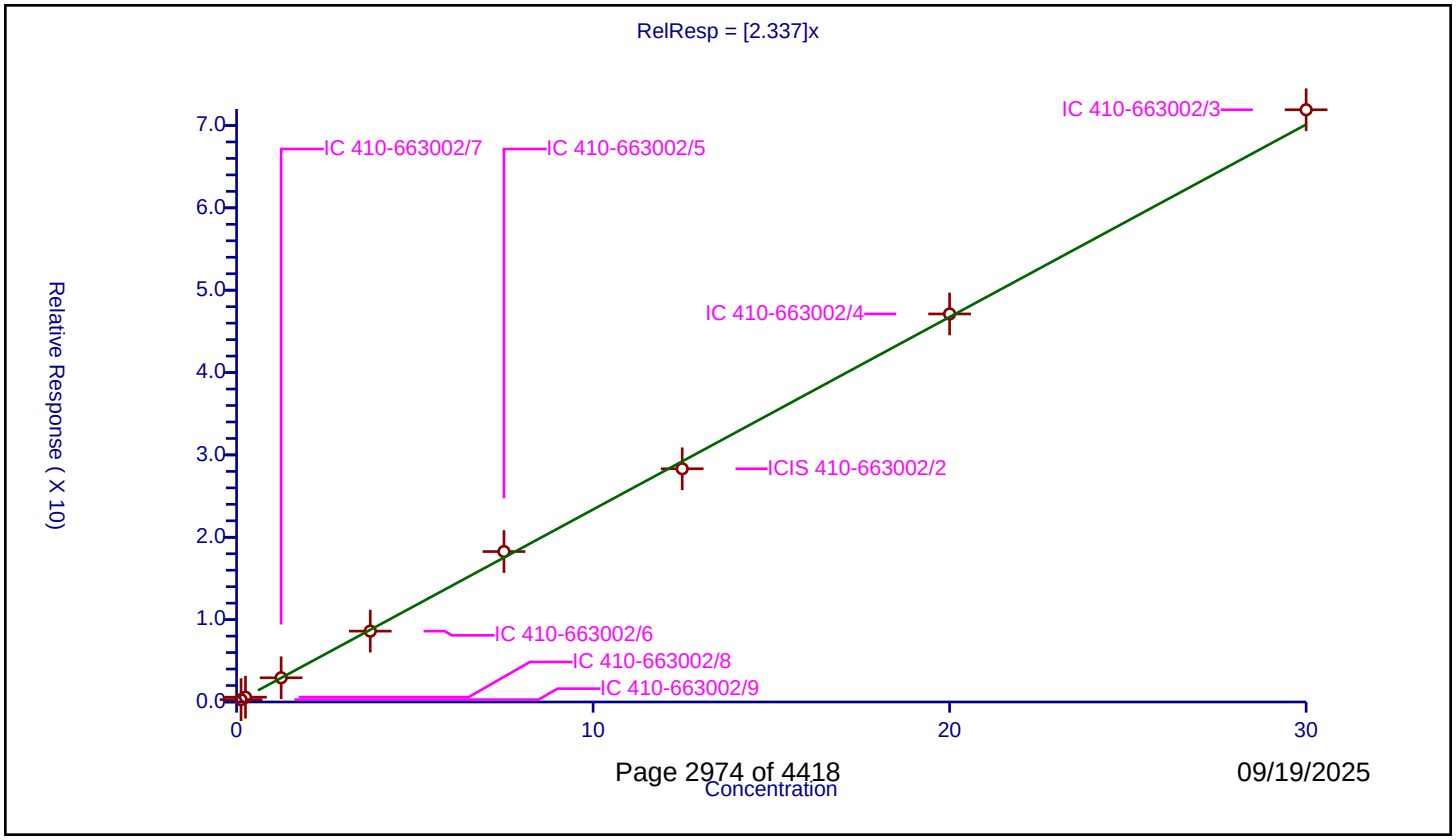
Curve Coefficients

Intercept:	0
Slope:	2.337

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.283234	5.0	156408.0	2.265869	Y
2	IC 410-663002/8	0.25	0.583327	5.0	161976.0	2.333309	Y
3	IC 410-663002/7	1.25	2.939178	5.0	159383.0	2.351342	Y
4	IC 410-663002/6	3.75	8.603557	5.0	183040.0	2.294282	Y
5	IC 410-663002/5	7.5	18.266985	5.0	165942.0	2.435598	Y
6	ICIS 410-663002/2	12.5	28.318496	5.0	192866.0	2.26548	Y
7	IC 410-663002/4	20.0	47.116745	5.0	223839.0	2.355837	Y
8	IC 410-663002/3	30.0	71.9101	5.0	184315.0	2.397003	Y



Calibration / 4-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

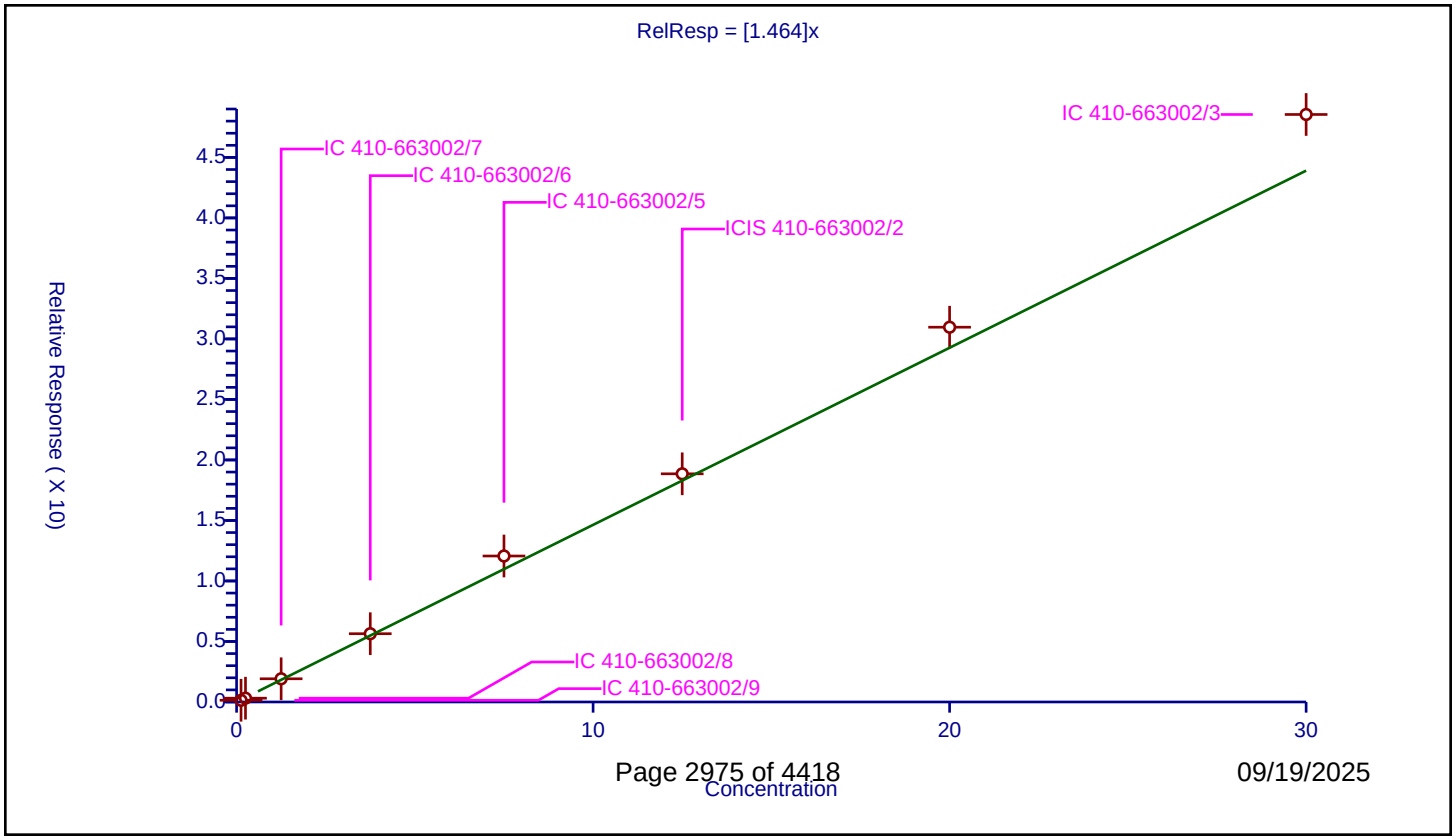
Curve Coefficients

Intercept:	0
Slope:	1.464

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.141041	5.0	156408.0	1.128331	Y
2	IC 410-663002/8	0.25	0.314275	5.0	161976.0	1.2571	Y
3	IC 410-663002/7	1.25	1.9189	5.0	159383.0	1.53512	Y
4	IC 410-663002/6	3.75	5.641882	5.0	183040.0	1.504502	Y
5	IC 410-663002/5	7.5	12.063372	5.0	165942.0	1.60845	Y
6	ICIS 410-663002/2	12.5	18.855112	5.0	192866.0	1.508409	Y
7	IC 410-663002/4	20.0	30.969827	5.0	223839.0	1.548491	Y
8	IC 410-663002/3	30.0	48.547188	5.0	184315.0	1.61824	Y



09/19/2025

Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

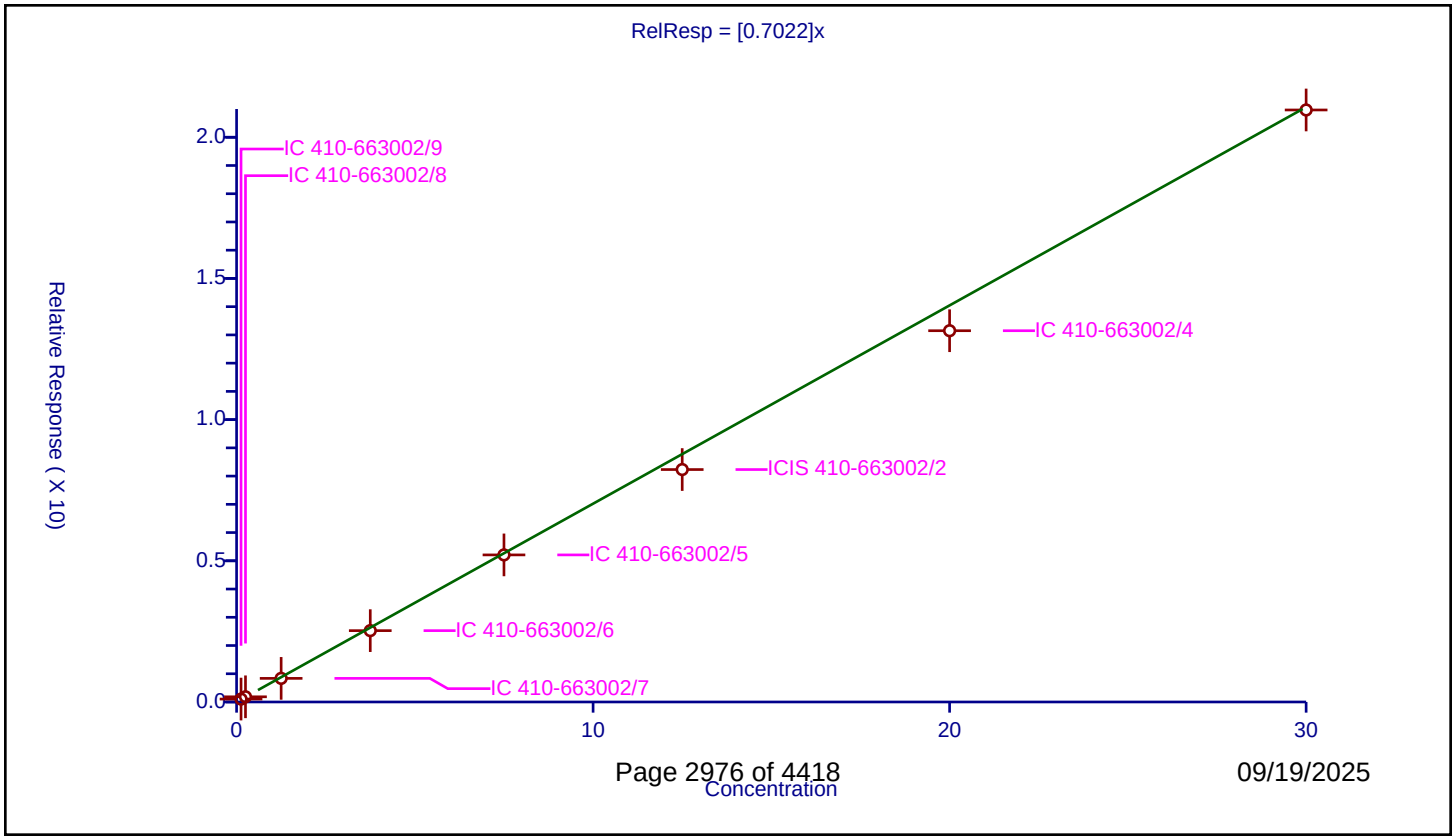
Curve Coefficients

Intercept:	0
Slope:	0.7022

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.103831	5.0	156408.0	0.830648	Y
2	IC 410-663002/8	0.25	0.183854	5.0	161976.0	0.735418	Y
3	IC 410-663002/7	1.25	0.835911	5.0	159383.0	0.668729	Y
4	IC 410-663002/6	3.75	2.526606	5.0	183040.0	0.673762	Y
5	IC 410-663002/5	7.5	5.209139	5.0	165942.0	0.694552	Y
6	ICIS 410-663002/2	12.5	8.23214	5.0	192866.0	0.658571	Y
7	IC 410-663002/4	20.0	13.148111	5.0	223839.0	0.657406	Y
8	IC 410-663002/3	30.0	20.965738	5.0	184315.0	0.698858	Y



Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

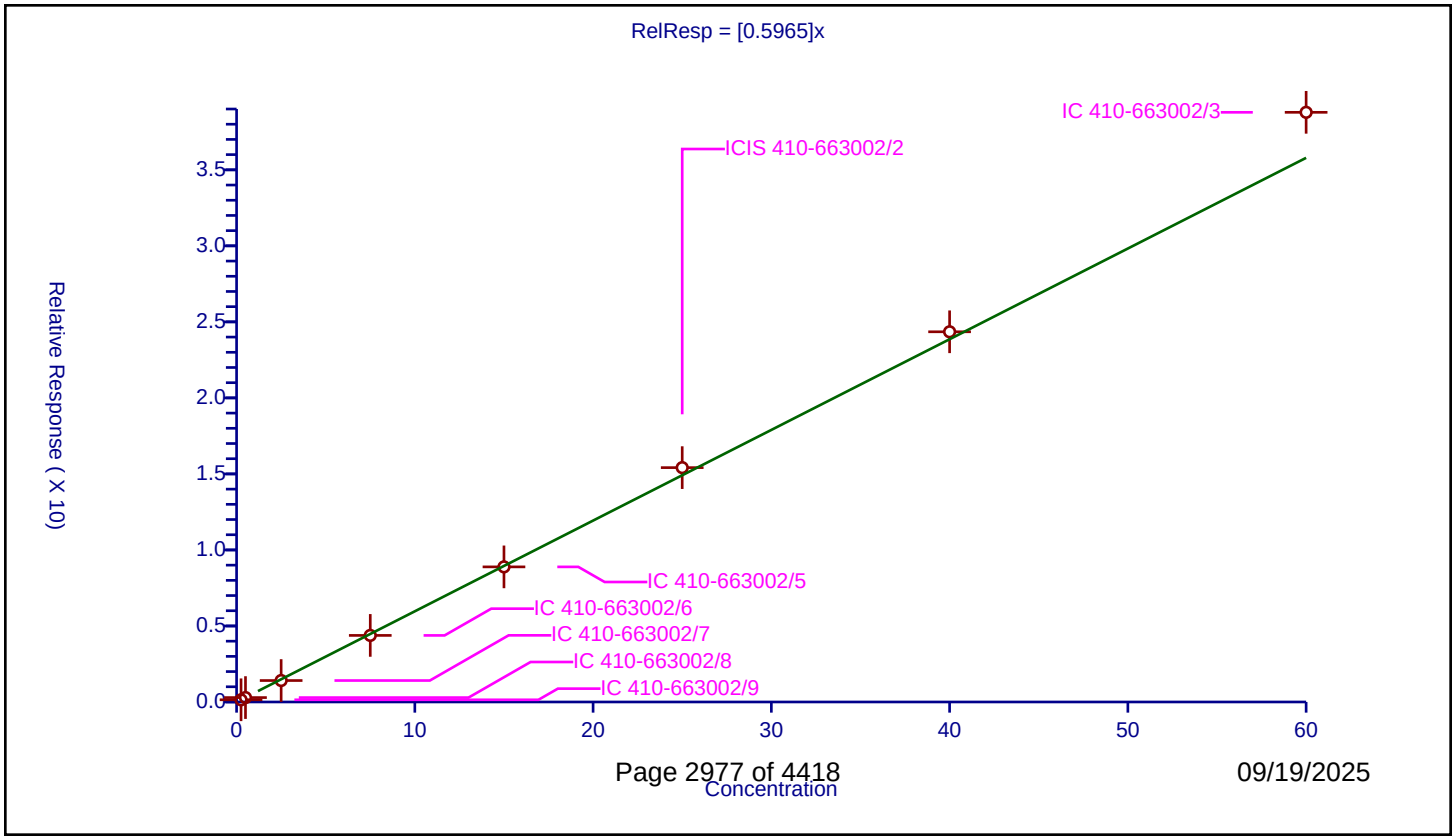
Curve Coefficients

Intercept:	0
Slope:	0.5965

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.25	0.14507	5.0	523711.0	0.580282	Y
2	IC 410-663002/8	0.5	0.289598	5.0	560899.0	0.579195	Y
3	IC 410-663002/7	2.5	1.411636	5.0	537582.0	0.564654	Y
4	IC 410-663002/6	7.5	4.378321	5.0	625435.0	0.583776	Y
5	IC 410-663002/5	15.0	8.885925	5.0	588044.0	0.592395	Y
6	ICIS 410-663002/2	25.0	15.413271	5.0	625703.0	0.616531	Y
7	IC 410-663002/4	40.0	24.347817	5.0	741134.0	0.608695	Y
8	IC 410-663002/3	60.0	38.782784	5.0	614316.0	0.64638	Y



Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

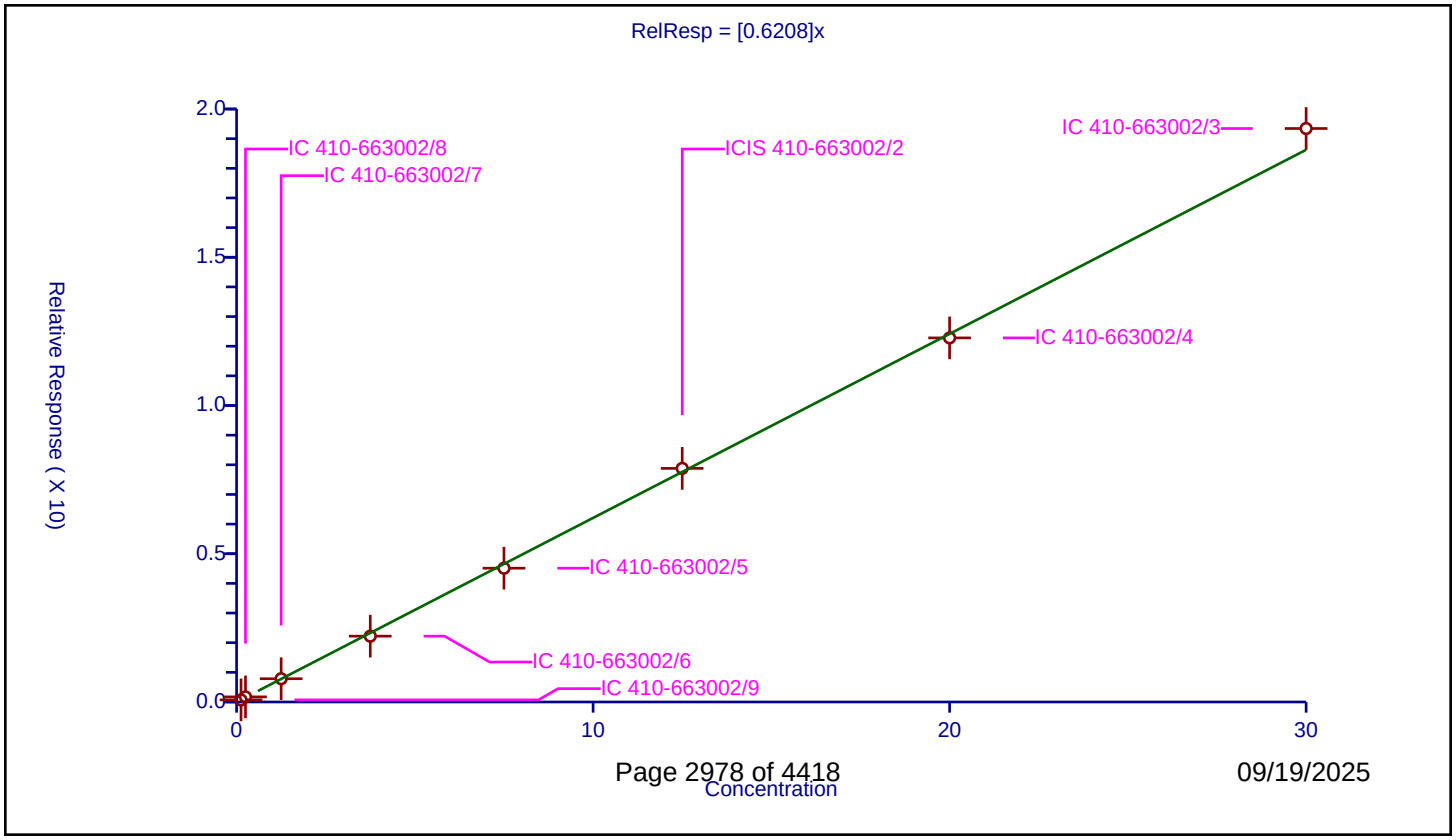
Curve Coefficients

Intercept:	0
Slope:	0.6208

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.07065	5.0	523711.0	0.565197	Y
2	IC 410-663002/8	0.25	0.17266	5.0	560899.0	0.690641	Y
3	IC 410-663002/7	1.25	0.784615	5.0	537582.0	0.627692	Y
4	IC 410-663002/6	3.75	2.220023	5.0	625435.0	0.592006	Y
5	IC 410-663002/5	7.5	4.513251	5.0	588044.0	0.601767	Y
6	ICIS 410-663002/2	12.5	7.879609	5.0	625703.0	0.630369	Y
7	IC 410-663002/4	20.0	12.280377	5.0	741134.0	0.614019	Y
8	IC 410-663002/3	30.0	19.342757	5.0	614316.0	0.644759	Y



Calibration / N-Nitrosopiperidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

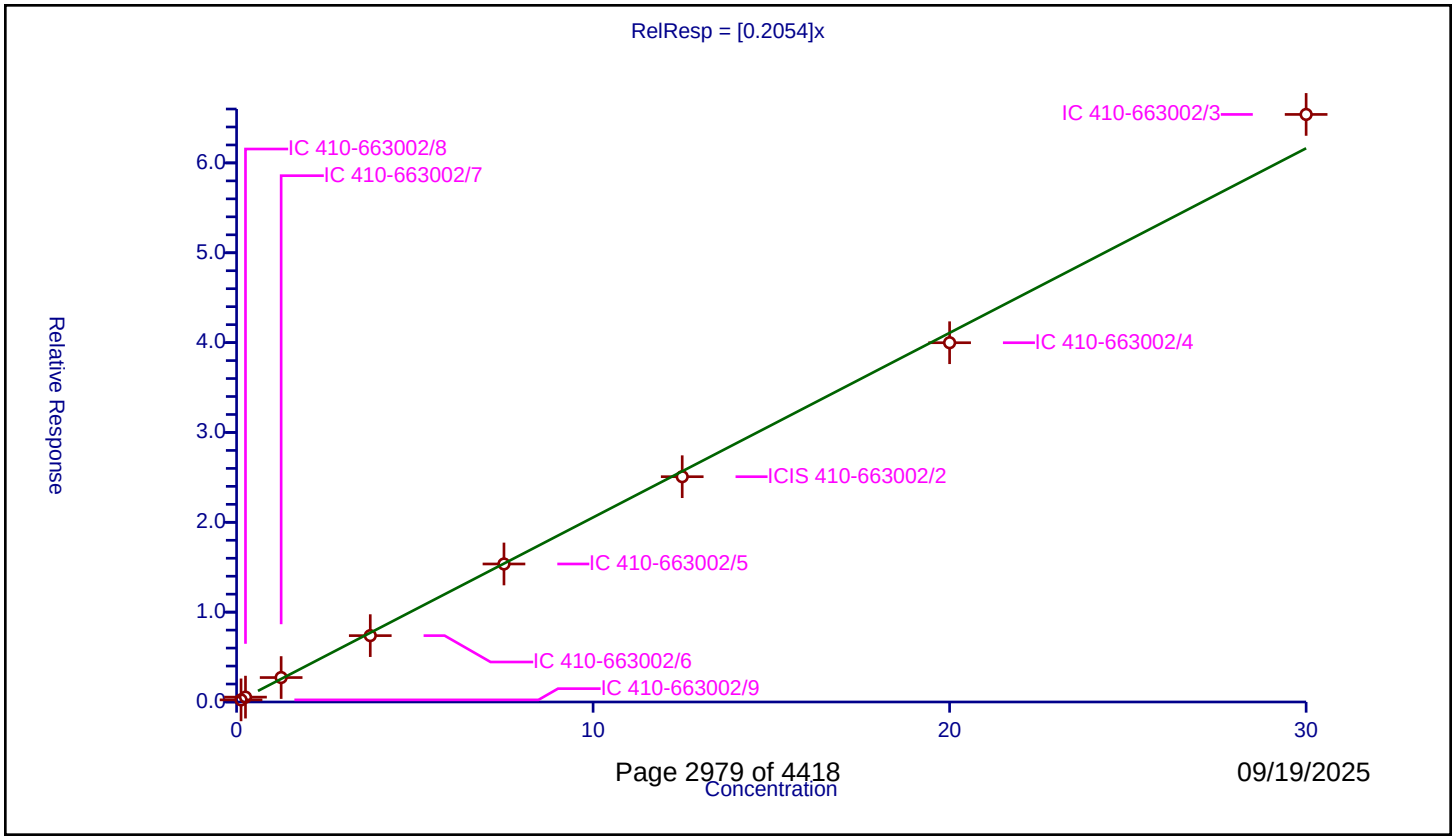
Curve Coefficients

Intercept:	0
Slope:	0.2054

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.023629	5.0	523711.0	0.189036	Y
2	IC 410-663002/8	0.25	0.054101	5.0	560899.0	0.216403	Y
3	IC 410-663002/7	1.25	0.272079	5.0	537582.0	0.217664	Y
4	IC 410-663002/6	3.75	0.738502	5.0	625435.0	0.196934	Y
5	IC 410-663002/5	7.5	1.536246	5.0	588044.0	0.204833	Y
6	ICIS 410-663002/2	12.5	2.507731	5.0	625703.0	0.200619	Y
7	IC 410-663002/4	20.0	3.998649	5.0	741134.0	0.199932	Y
8	IC 410-663002/3	30.0	6.539753	5.0	614316.0	0.217992	Y



Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

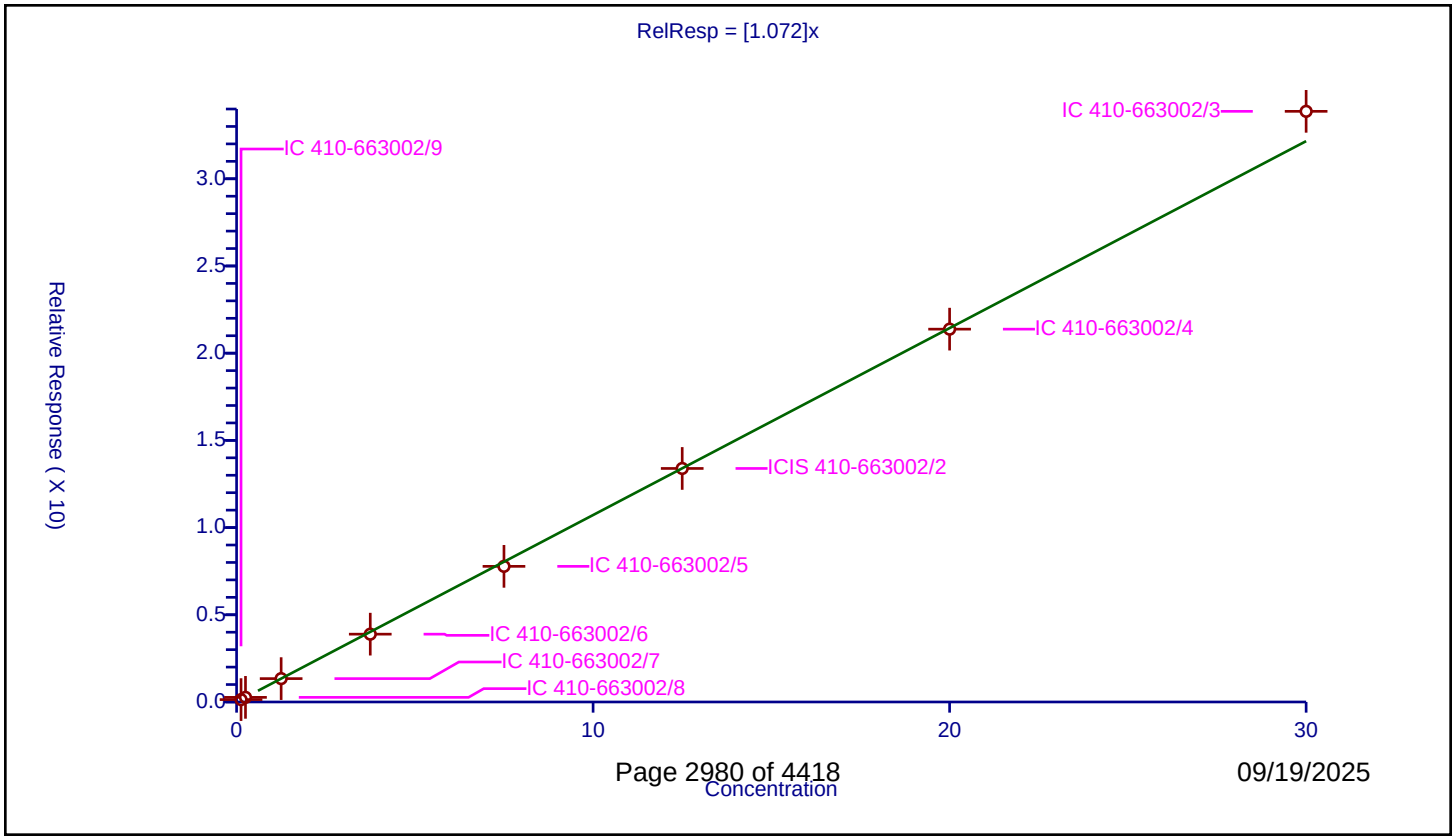
Curve Coefficients

Intercept:	0
Slope:	1.072

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.137356	5.0	523711.0	1.09885	Y
2	IC 410-663002/8	0.25	0.265378	5.0	560899.0	1.06151	Y
3	IC 410-663002/7	1.25	1.339805	5.0	537582.0	1.071844	Y
4	IC 410-663002/6	3.75	3.889733	5.0	625435.0	1.037262	Y
5	IC 410-663002/5	7.5	7.77708	5.0	588044.0	1.036944	Y
6	ICIS 410-663002/2	12.5	13.390243	5.0	625703.0	1.071219	Y
7	IC 410-663002/4	20.0	21.378556	5.0	741134.0	1.068928	Y
8	IC 410-663002/3	30.0	33.866919	5.0	614316.0	1.128897	Y



09/19/2025

Calibration / 2-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

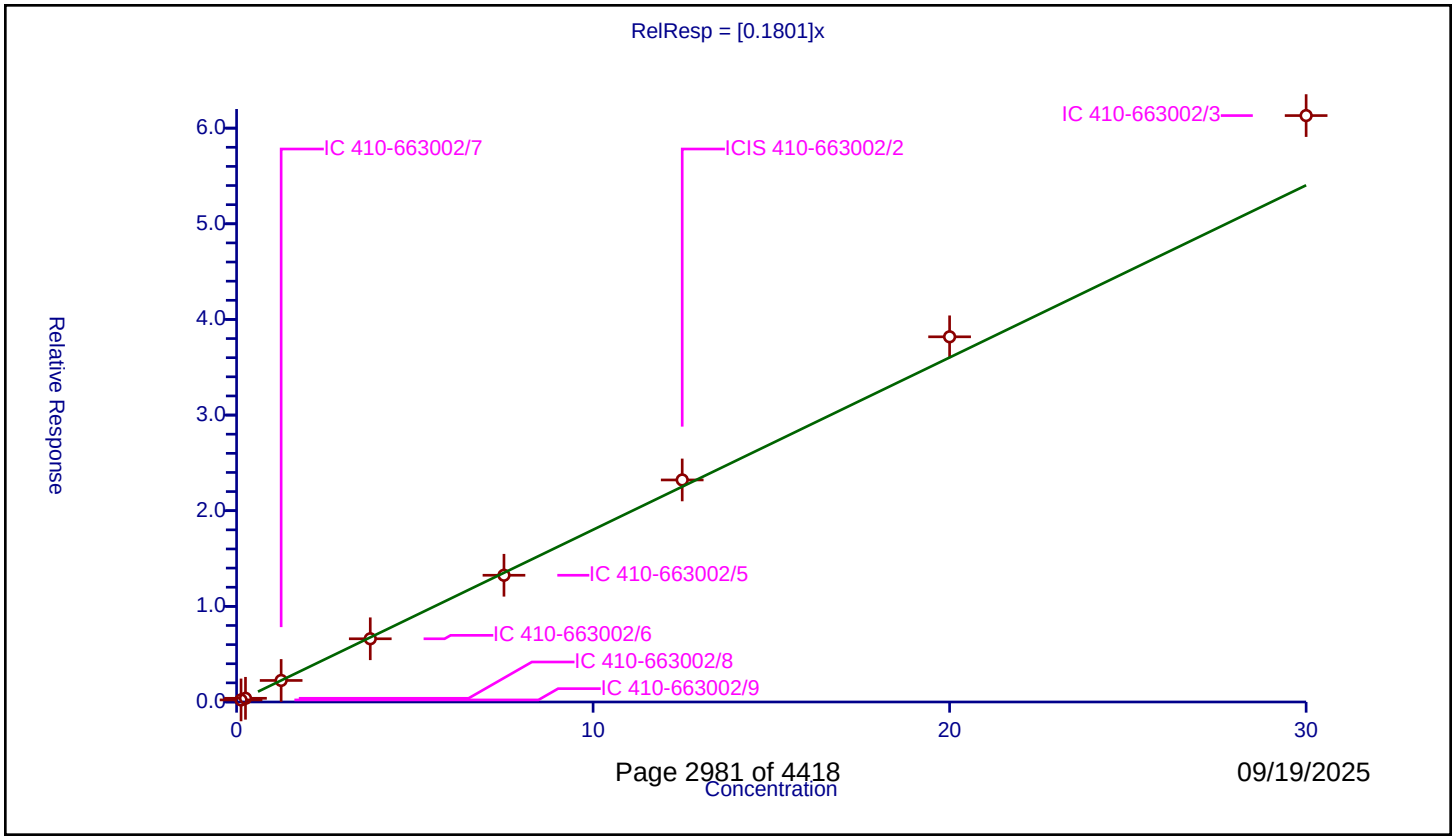
Curve Coefficients

Intercept:	0
Slope:	0.1801

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.021567	5.0	523711.0	0.172538	Y
2	IC 410-663002/8	0.25	0.038519	5.0	560899.0	0.154074	Y
3	IC 410-663002/7	1.25	0.225231	5.0	537582.0	0.180185	Y
4	IC 410-663002/6	3.75	0.66106	5.0	625435.0	0.176283	Y
5	IC 410-663002/5	7.5	1.325096	5.0	588044.0	0.17668	Y
6	ICIS 410-663002/2	12.5	2.321685	5.0	625703.0	0.185735	Y
7	IC 410-663002/4	20.0	3.818378	5.0	741134.0	0.190919	Y
8	IC 410-663002/3	30.0	6.131388	5.0	614316.0	0.20438	Y



Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

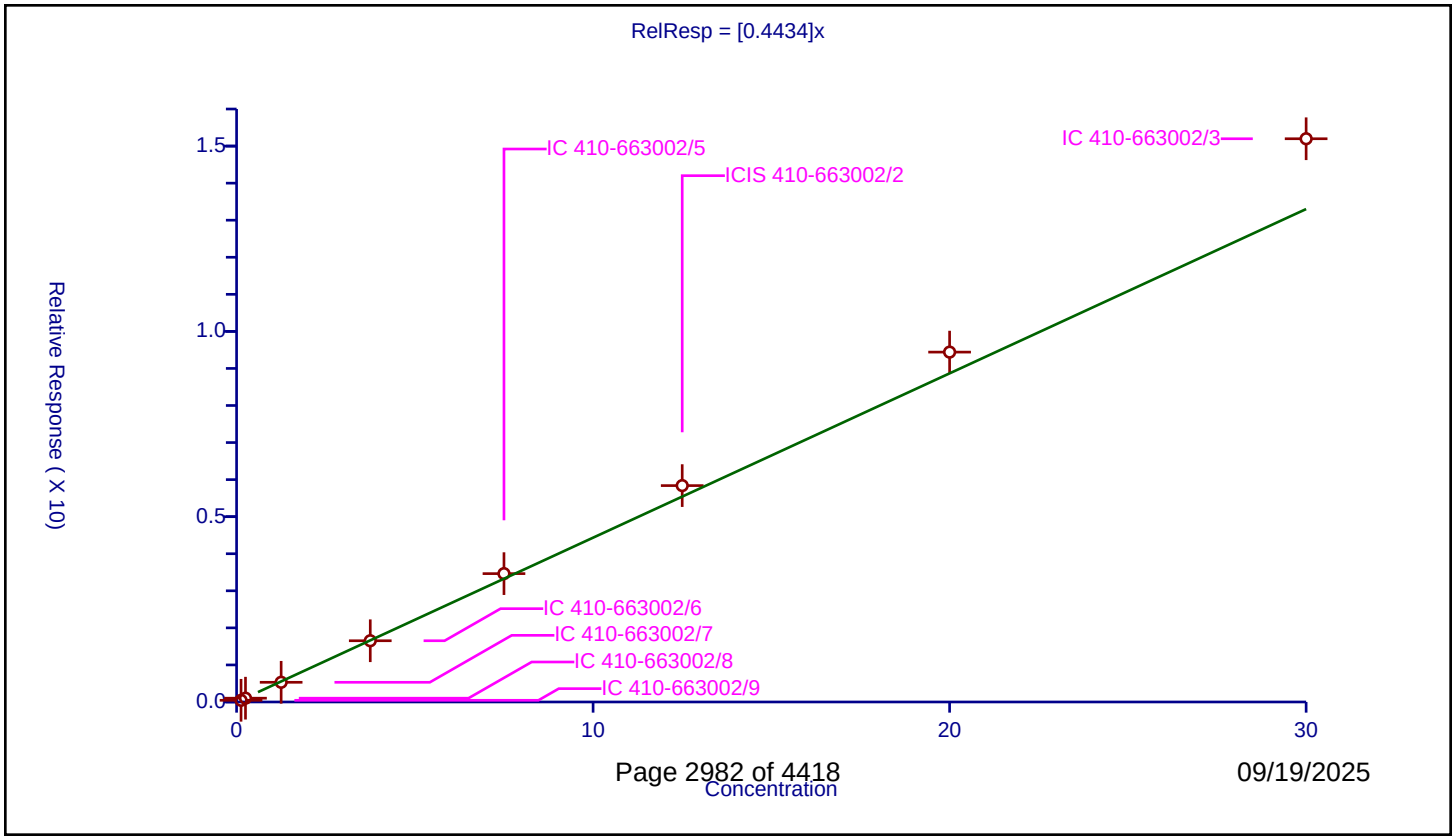
Curve Coefficients

Intercept:	0
Slope:	0.4434

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.045521	5.0	523711.0	0.36417	Y
2	IC 410-663002/8	0.25	0.102407	5.0	560899.0	0.409628	Y
3	IC 410-663002/7	1.25	0.531138	5.0	537582.0	0.42491	Y
4	IC 410-663002/6	3.75	1.652418	5.0	625435.0	0.440645	Y
5	IC 410-663002/5	7.5	3.463227	5.0	588044.0	0.461764	Y
6	ICIS 410-663002/2	12.5	5.838697	5.0	625703.0	0.467096	Y
7	IC 410-663002/4	20.0	9.440816	5.0	741134.0	0.472041	Y
8	IC 410-663002/3	30.0	15.197594	5.0	614316.0	0.506586	Y



Calibration / o,o',o''-Triethylphosphorothioate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

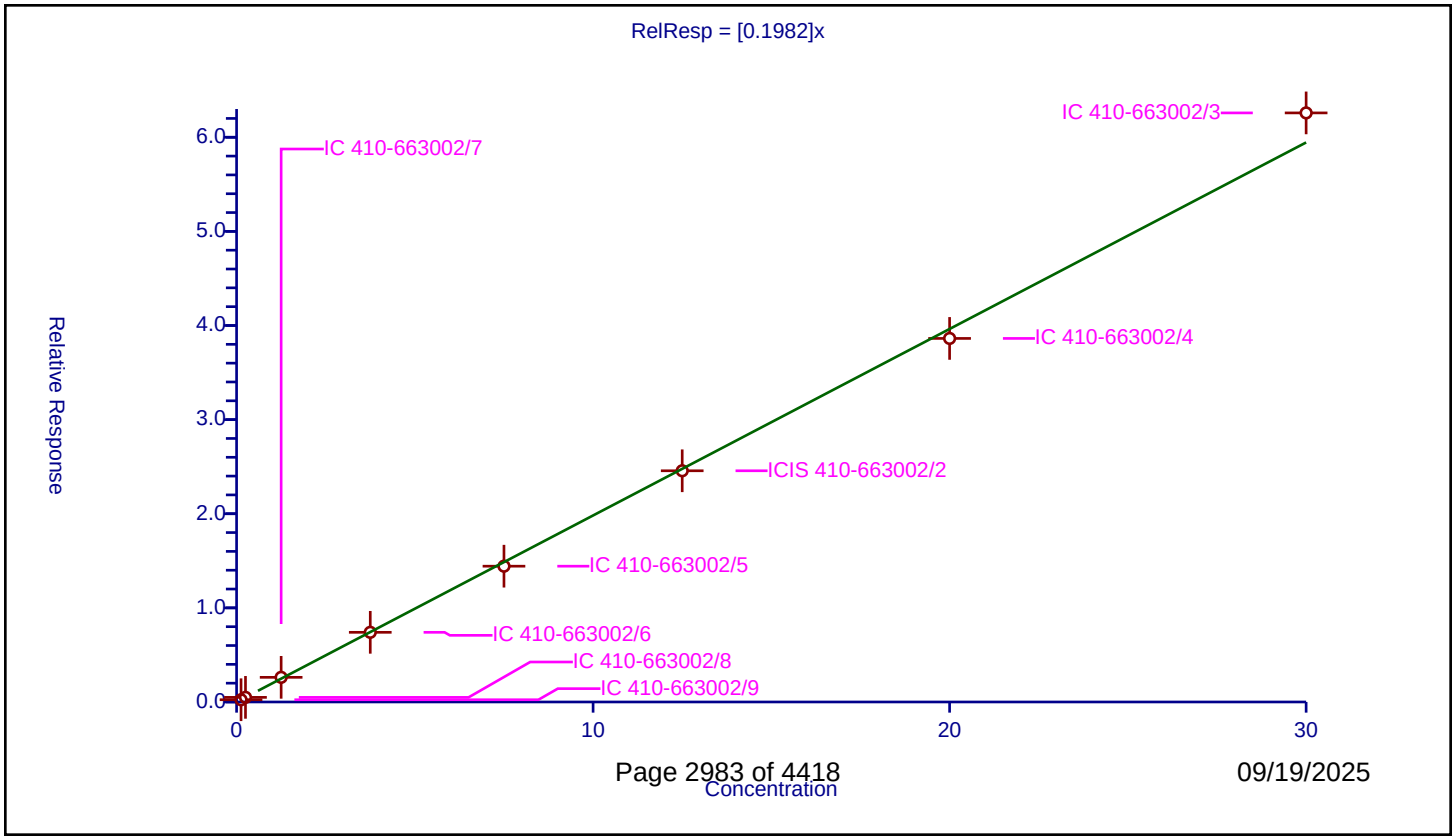
Curve Coefficients

Intercept:	0
Slope:	0.1982

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.02383	5.0	523711.0	0.190639	Y
2	IC 410-663002/8	0.25	0.049278	5.0	560899.0	0.197112	Y
3	IC 410-663002/7	1.25	0.261858	5.0	537582.0	0.209486	Y
4	IC 410-663002/6	3.75	0.740141	5.0	625435.0	0.197371	Y
5	IC 410-663002/5	7.5	1.442834	5.0	588044.0	0.192378	Y
6	ICIS 410-663002/2	12.5	2.456461	5.0	625703.0	0.196517	Y
7	IC 410-663002/4	20.0	3.862669	5.0	741134.0	0.193133	Y
8	IC 410-663002/3	30.0	6.258644	5.0	614316.0	0.208621	Y



Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

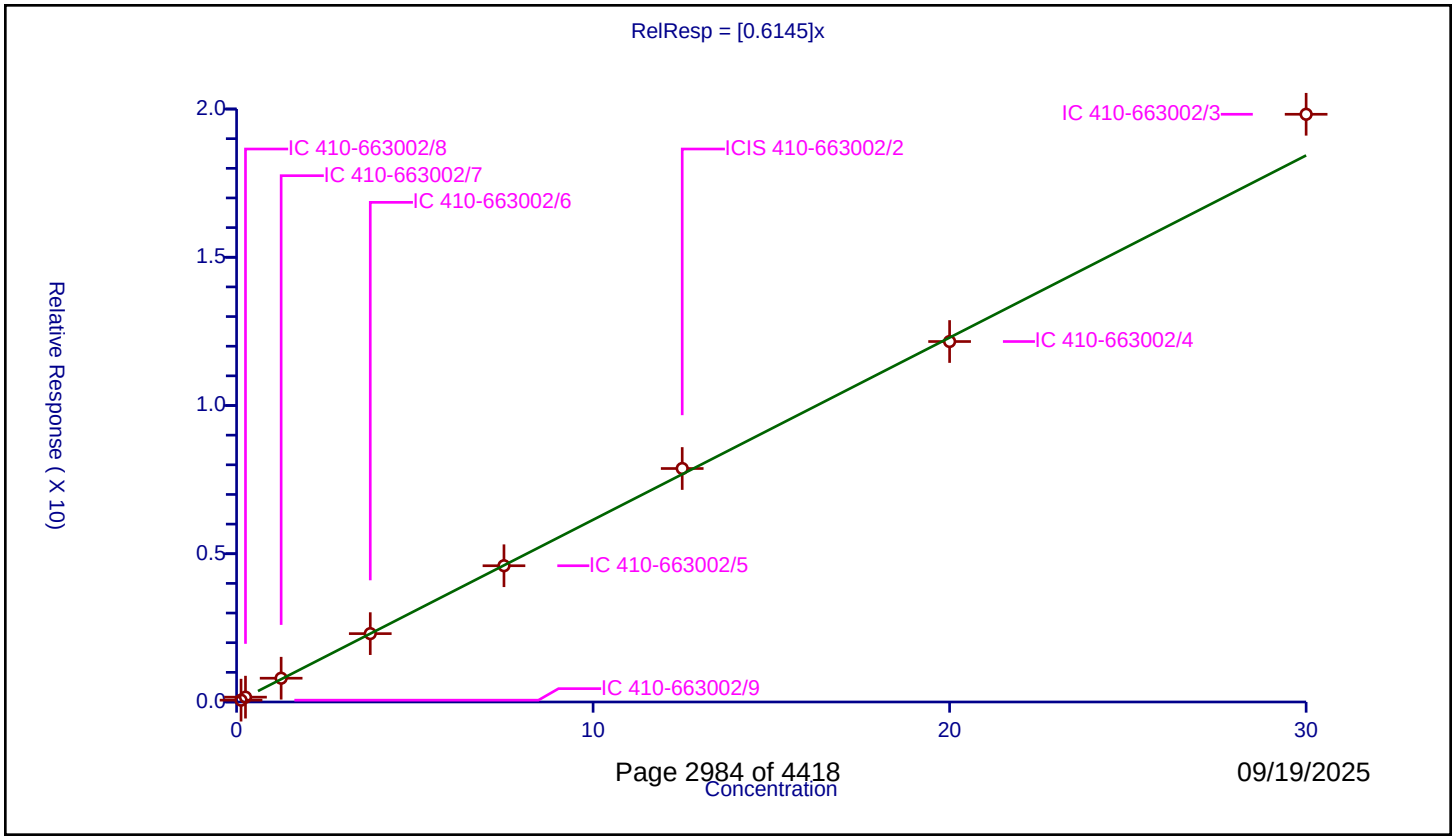
Curve Coefficients

Intercept:	0
Slope:	0.6145

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.061952	5.0	523711.0	0.495617	Y
2	IC 410-663002/8	0.25	0.163167	5.0	560899.0	0.652667	Y
3	IC 410-663002/7	1.25	0.801673	5.0	537582.0	0.641338	Y
4	IC 410-663002/6	3.75	2.305747	5.0	625435.0	0.614866	Y
5	IC 410-663002/5	7.5	4.595566	5.0	588044.0	0.612742	Y
6	ICIS 410-663002/2	12.5	7.875222	5.0	625703.0	0.630018	Y
7	IC 410-663002/4	20.0	12.158233	5.0	741134.0	0.607912	Y
8	IC 410-663002/3	30.0	19.823112	5.0	614316.0	0.66077	Y



Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

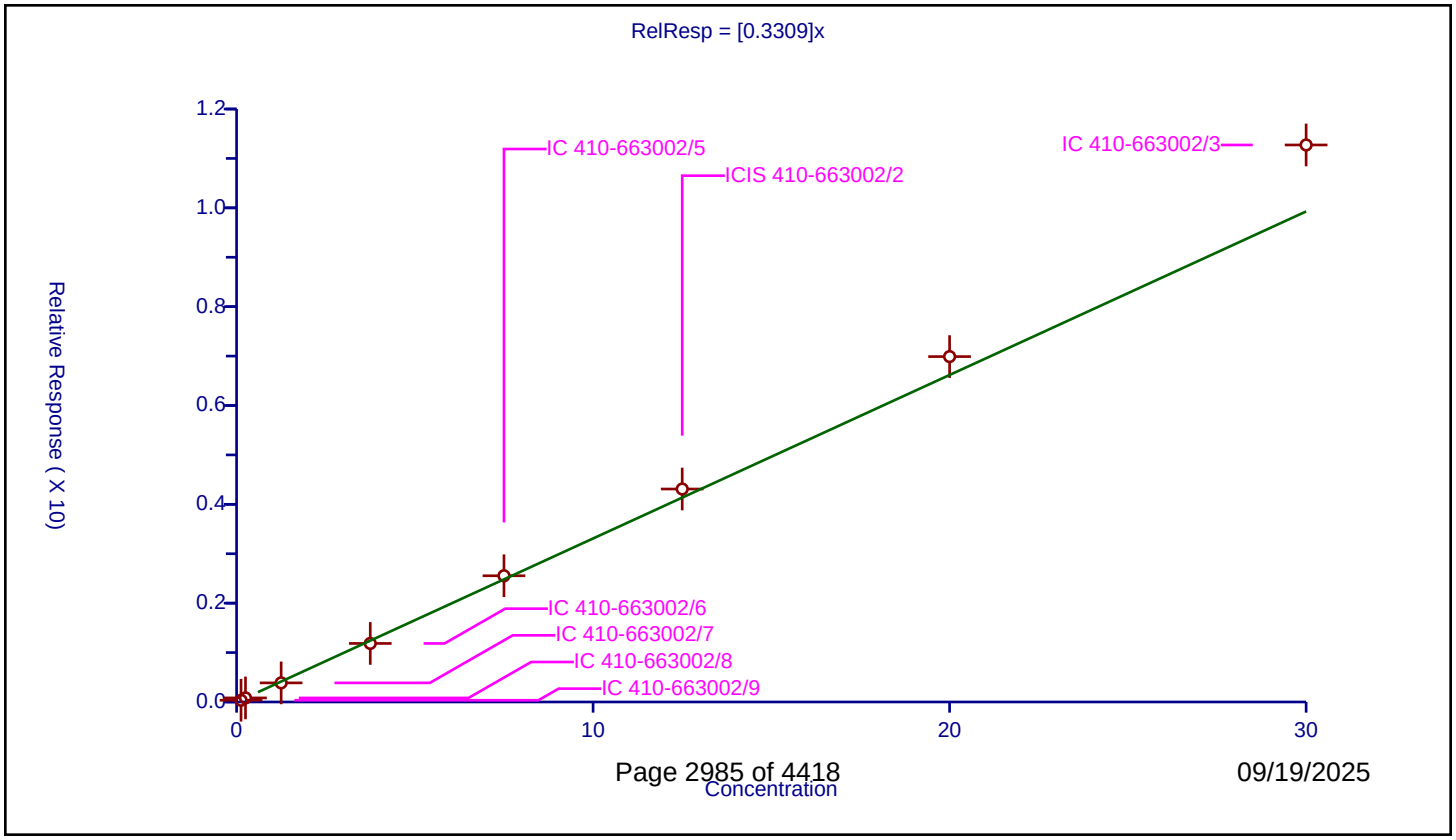
Curve Coefficients

Intercept:	0
Slope:	0.3309

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.035229	5.0	523711.0	0.281835	Y
2	IC 410-663002/8	0.25	0.082323	5.0	560899.0	0.329293	Y
3	IC 410-663002/7	1.25	0.386592	5.0	537582.0	0.309274	Y
4	IC 410-663002/6	3.75	1.185031	5.0	625435.0	0.316008	Y
5	IC 410-663002/5	7.5	2.554622	5.0	588044.0	0.340616	Y
6	ICIS 410-663002/2	12.5	4.309808	5.0	625703.0	0.344785	Y
7	IC 410-663002/4	20.0	6.990038	5.0	741134.0	0.349502	Y
8	IC 410-663002/3	30.0	11.272806	5.0	614316.0	0.37576	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

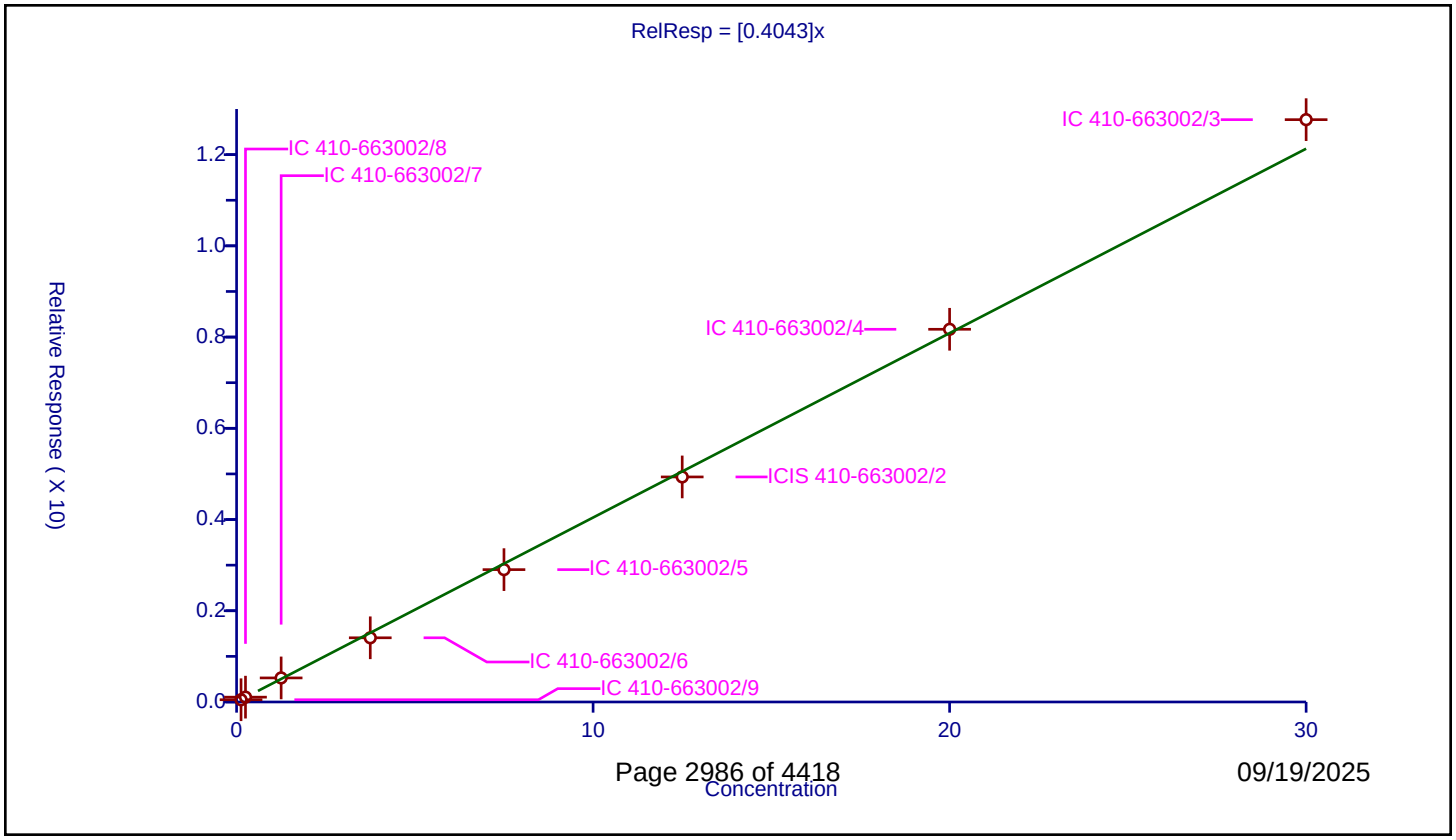
Curve Coefficients

Intercept:	0
Slope:	0.4043

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.049474	5.0	523711.0	0.395791	Y
2	IC 410-663002/8	0.25	0.106383	5.0	560899.0	0.425531	Y
3	IC 410-663002/7	1.25	0.527631	5.0	537582.0	0.422105	Y
4	IC 410-663002/6	3.75	1.407508	5.0	625435.0	0.375336	Y
5	IC 410-663002/5	7.5	2.902062	5.0	588044.0	0.386942	Y
6	ICIS 410-663002/2	12.5	4.933962	5.0	625703.0	0.394717	Y
7	IC 410-663002/4	20.0	8.170972	5.0	741134.0	0.408549	Y
8	IC 410-663002/3	30.0	12.766443	5.0	614316.0	0.425548	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

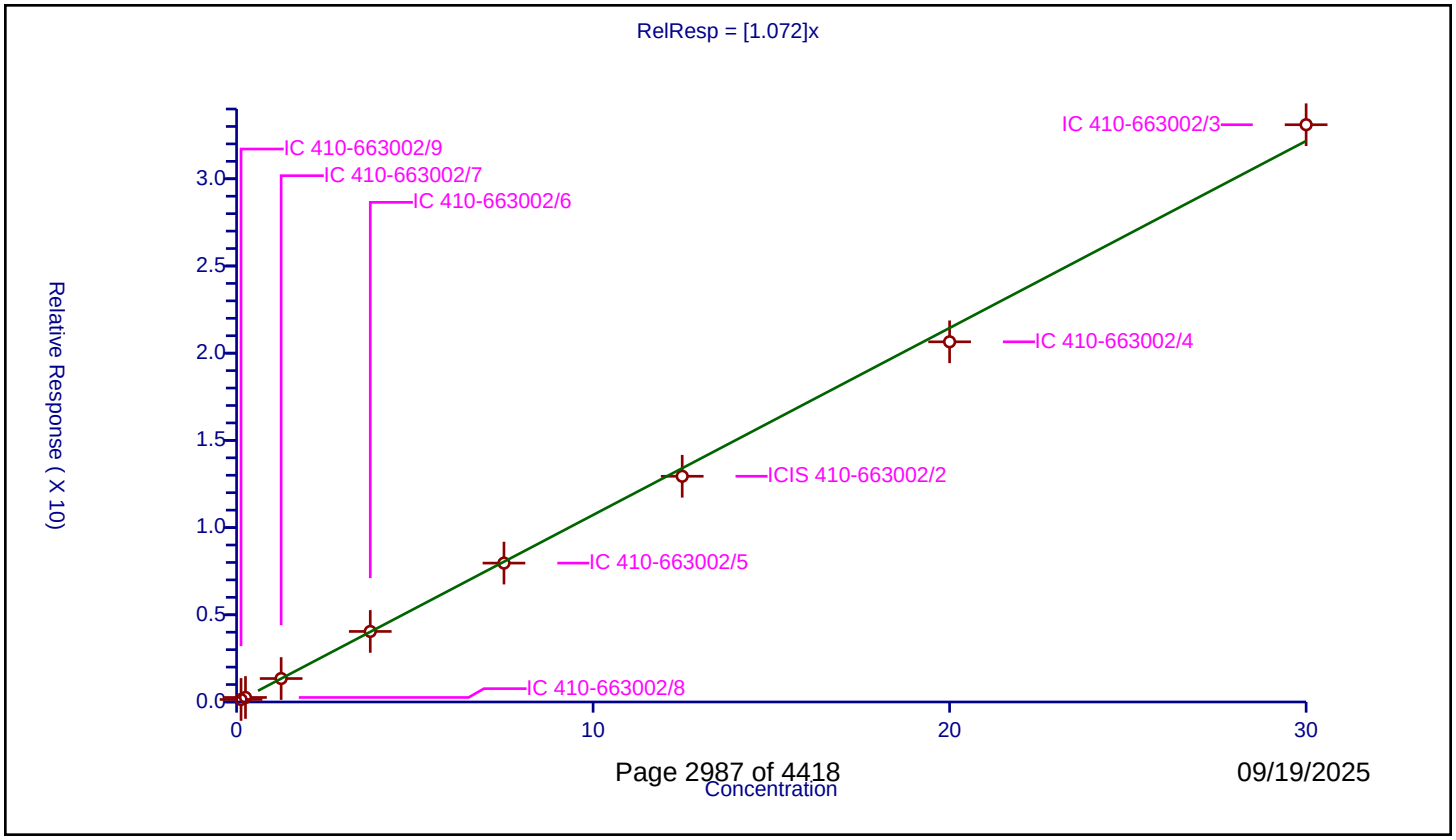
Curve Coefficients

Intercept:	0
Slope:	1.072

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.144412	5.0	523711.0	1.155294	Y
2	IC 410-663002/8	0.25	0.258719	5.0	560899.0	1.034874	Y
3	IC 410-663002/7	1.25	1.345497	5.0	537582.0	1.076398	Y
4	IC 410-663002/6	3.75	4.044729	5.0	625435.0	1.078594	Y
5	IC 410-663002/5	7.5	7.964004	5.0	588044.0	1.061867	Y
6	ICIS 410-663002/2	12.5	12.942802	5.0	625703.0	1.035424	Y
7	IC 410-663002/4	20.0	20.652089	5.0	741134.0	1.032604	Y
8	IC 410-663002/3	30.0	33.099545	5.0	614316.0	1.103318	Y



09/19/2025

Calibration / Alpha-Terpineol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

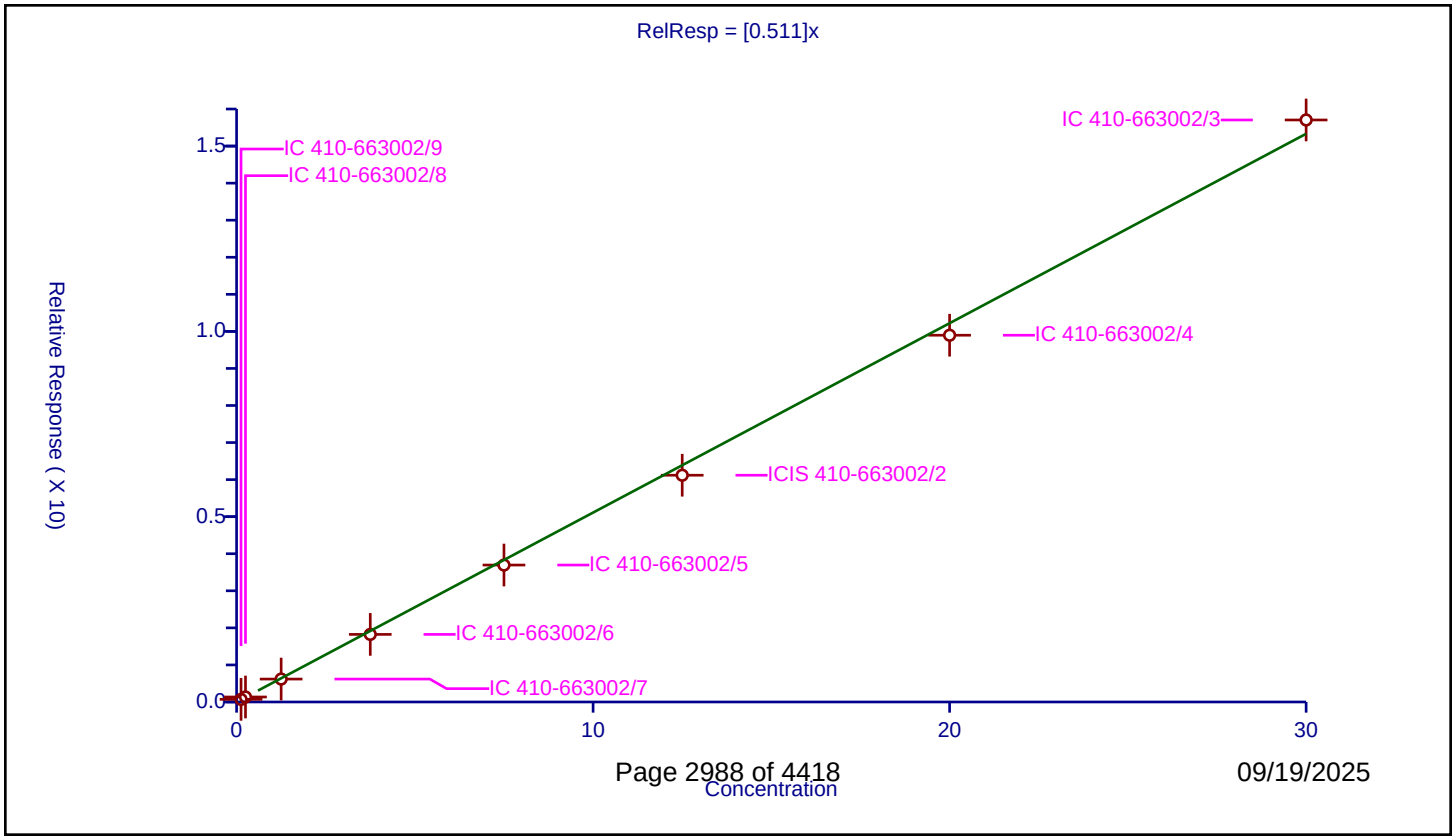
Curve Coefficients

Intercept:	0
Slope:	0.511

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.071089	5.0	523711.0	0.568711	Y
2	IC 410-663002/8	0.25	0.134579	5.0	560899.0	0.538314	Y
3	IC 410-663002/7	1.25	0.618241	5.0	537582.0	0.494592	Y
4	IC 410-663002/6	3.75	1.823619	5.0	625435.0	0.486298	Y
5	IC 410-663002/5	7.5	3.695072	5.0	588044.0	0.492676	Y
6	ICIS 410-663002/2	12.5	6.118454	5.0	625703.0	0.489476	Y
7	IC 410-663002/4	20.0	9.89626	5.0	741134.0	0.494813	Y
8	IC 410-663002/3	30.0	15.704572	5.0	614316.0	0.523486	Y



Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

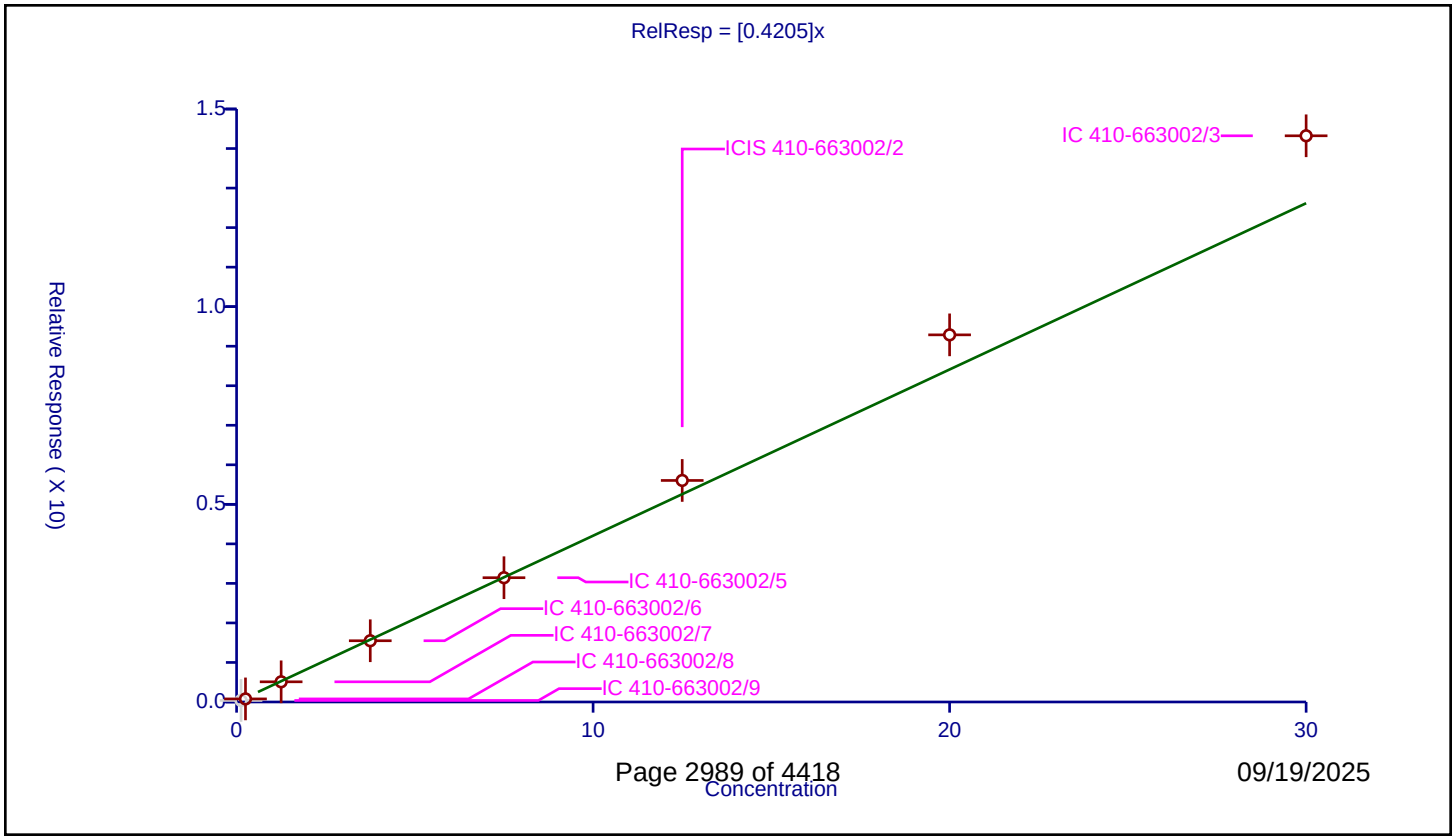
Curve Coefficients

Intercept:	0
Slope:	0.4205

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.038819	5.0	523711.0	0.310553	N
2	IC 410-663002/8	0.25	0.078232	5.0	560899.0	0.312926	Y
3	IC 410-663002/7	1.25	0.510629	5.0	537582.0	0.408503	Y
4	IC 410-663002/6	3.75	1.549194	5.0	625435.0	0.413118	Y
5	IC 410-663002/5	7.5	3.143914	5.0	588044.0	0.419189	Y
6	ICIS 410-663002/2	12.5	5.604081	5.0	625703.0	0.448326	Y
7	IC 410-663002/4	20.0	9.287335	5.0	741134.0	0.464367	Y
8	IC 410-663002/3	30.0	14.322401	5.0	614316.0	0.477413	Y



Calibration / 2,6-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

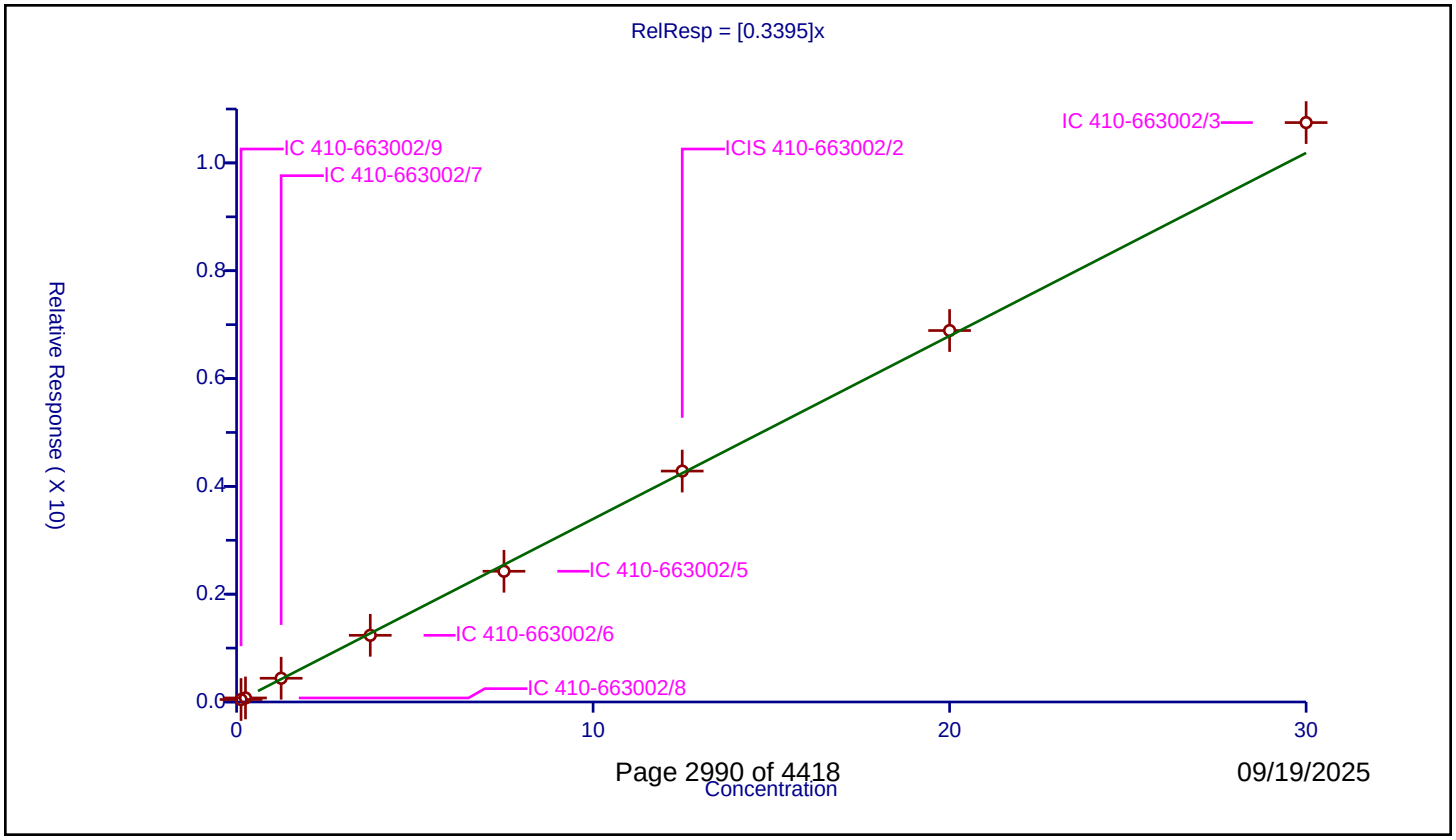
Curve Coefficients

Intercept:	0
Slope:	0.3395

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.045789	5.0	523711.0	0.366309	Y
2	IC 410-663002/8	0.25	0.07471	5.0	560899.0	0.298842	Y
3	IC 410-663002/7	1.25	0.440268	5.0	537582.0	0.352214	Y
4	IC 410-663002/6	3.75	1.237107	5.0	625435.0	0.329895	Y
5	IC 410-663002/5	7.5	2.425176	5.0	588044.0	0.323357	Y
6	ICIS 410-663002/2	12.5	4.283566	5.0	625703.0	0.342685	Y
7	IC 410-663002/4	20.0	6.890697	5.0	741134.0	0.344535	Y
8	IC 410-663002/3	30.0	10.748222	5.0	614316.0	0.358274	Y



Calibration / Hexachloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

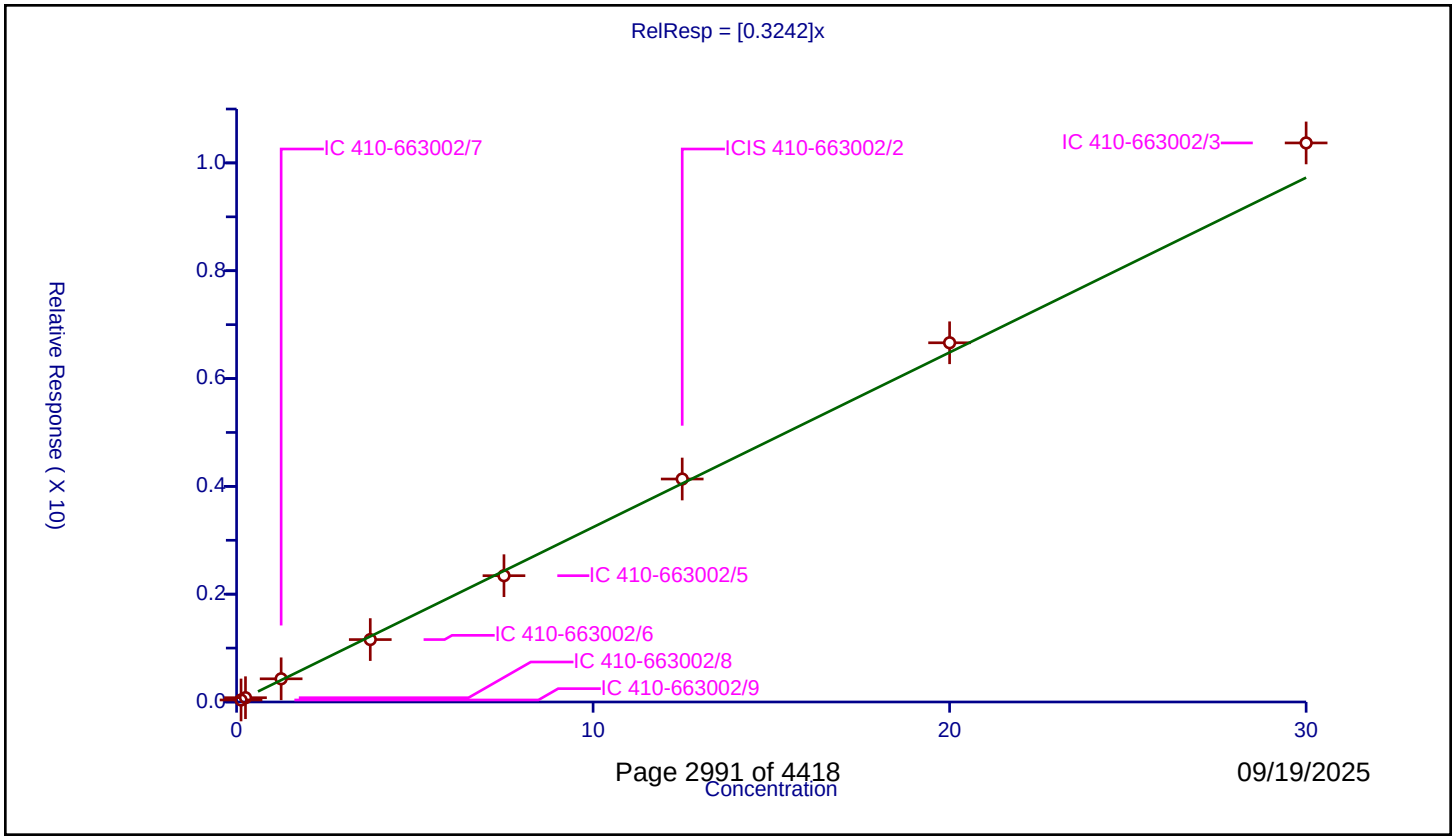
Curve Coefficients

Intercept:	0
Slope:	0.3242

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.037559	5.0	523711.0	0.300471	Y
2	IC 410-663002/8	0.25	0.079622	5.0	560899.0	0.318489	Y
3	IC 410-663002/7	1.25	0.43012	5.0	537582.0	0.344096	Y
4	IC 410-663002/6	3.75	1.15781	5.0	625435.0	0.308749	Y
5	IC 410-663002/5	7.5	2.342954	5.0	588044.0	0.312394	Y
6	ICIS 410-663002/2	12.5	4.136052	5.0	625703.0	0.330884	Y
7	IC 410-663002/4	20.0	6.663667	5.0	741134.0	0.333183	Y
8	IC 410-663002/3	30.0	10.370982	5.0	614316.0	0.345699	Y



09/19/2025

Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

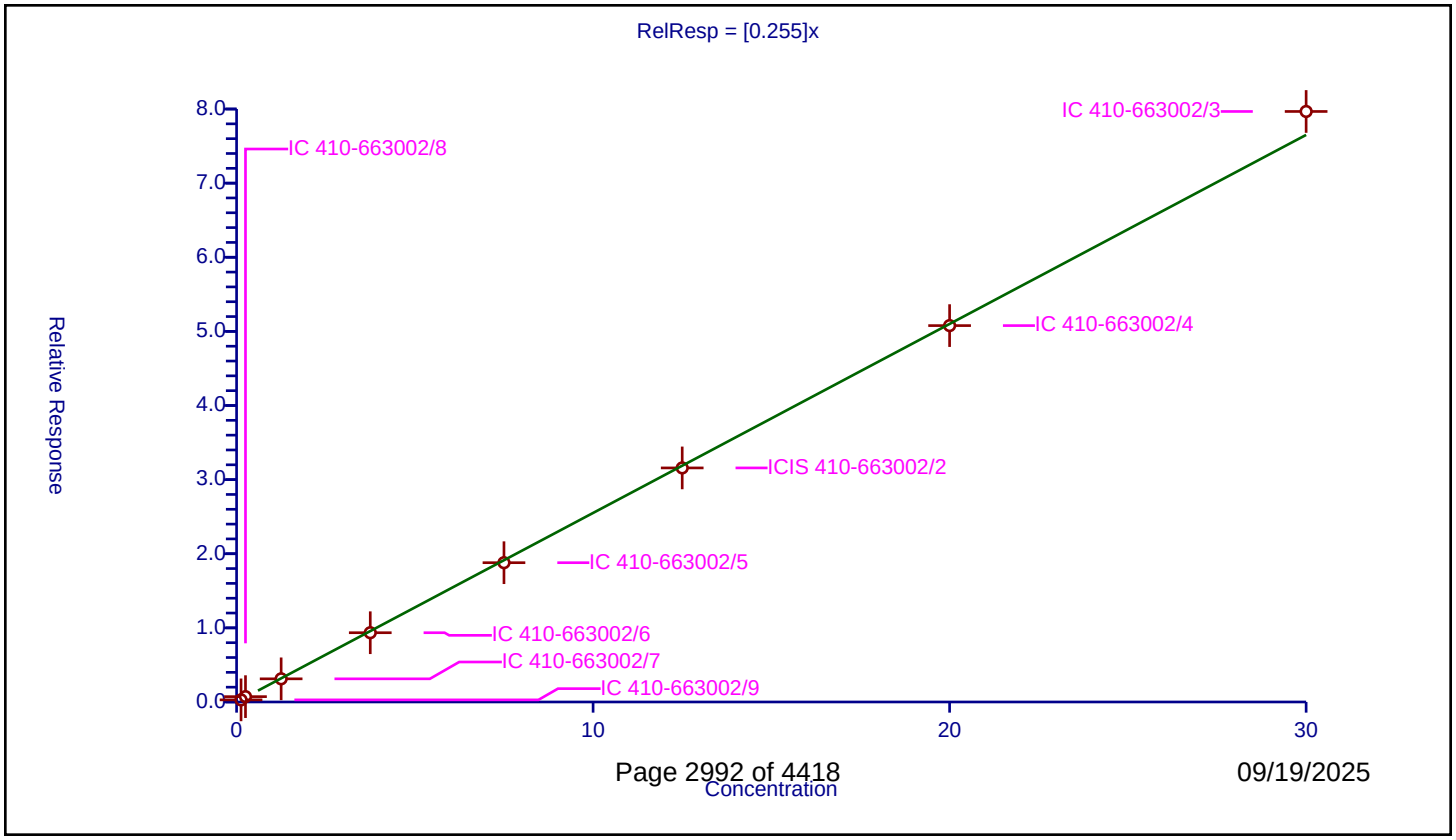
Curve Coefficients

Intercept:	0
Slope:	0.255

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.028766	5.0	523711.0	0.230127	Y
2	IC 410-663002/8	0.25	0.072018	5.0	560899.0	0.288073	Y
3	IC 410-663002/7	1.25	0.312613	5.0	537582.0	0.25009	Y
4	IC 410-663002/6	3.75	0.934637	5.0	625435.0	0.249237	Y
5	IC 410-663002/5	7.5	1.879332	5.0	588044.0	0.250578	Y
6	ICIS 410-663002/2	12.5	3.157832	5.0	625703.0	0.252627	Y
7	IC 410-663002/4	20.0	5.077935	5.0	741134.0	0.253897	Y
8	IC 410-663002/3	30.0	7.966918	5.0	614316.0	0.265564	Y



Calibration / p-Phenylene diamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

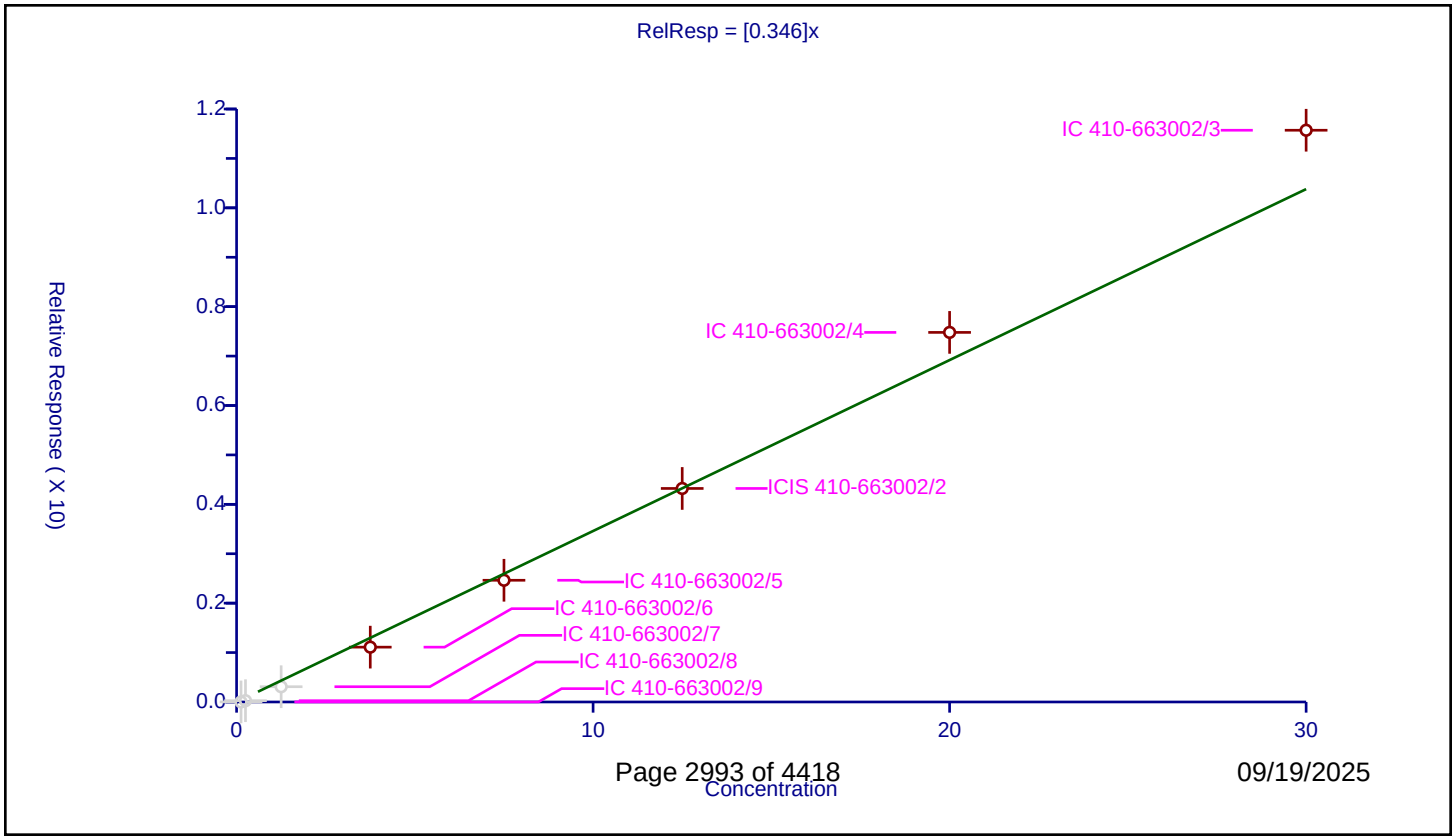
Curve Coefficients

Intercept:	0
Slope:	0.346

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.001088	5.0	523711.0	0.008707	N
2	IC 410-663002/8	0.25	0.026351	5.0	560899.0	0.105402	N
3	IC 410-663002/7	1.25	0.308976	5.0	537582.0	0.247181	N
4	IC 410-663002/6	3.75	1.110043	5.0	625435.0	0.296012	Y
5	IC 410-663002/5	7.5	2.463506	5.0	588044.0	0.328467	Y
6	ICIS 410-663002/2	12.5	4.321291	5.0	625703.0	0.345703	Y
7	IC 410-663002/4	20.0	7.479383	5.0	741134.0	0.373969	Y
8	IC 410-663002/3	30.0	11.570609	5.0	614316.0	0.385687	Y



Calibration / Quinoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

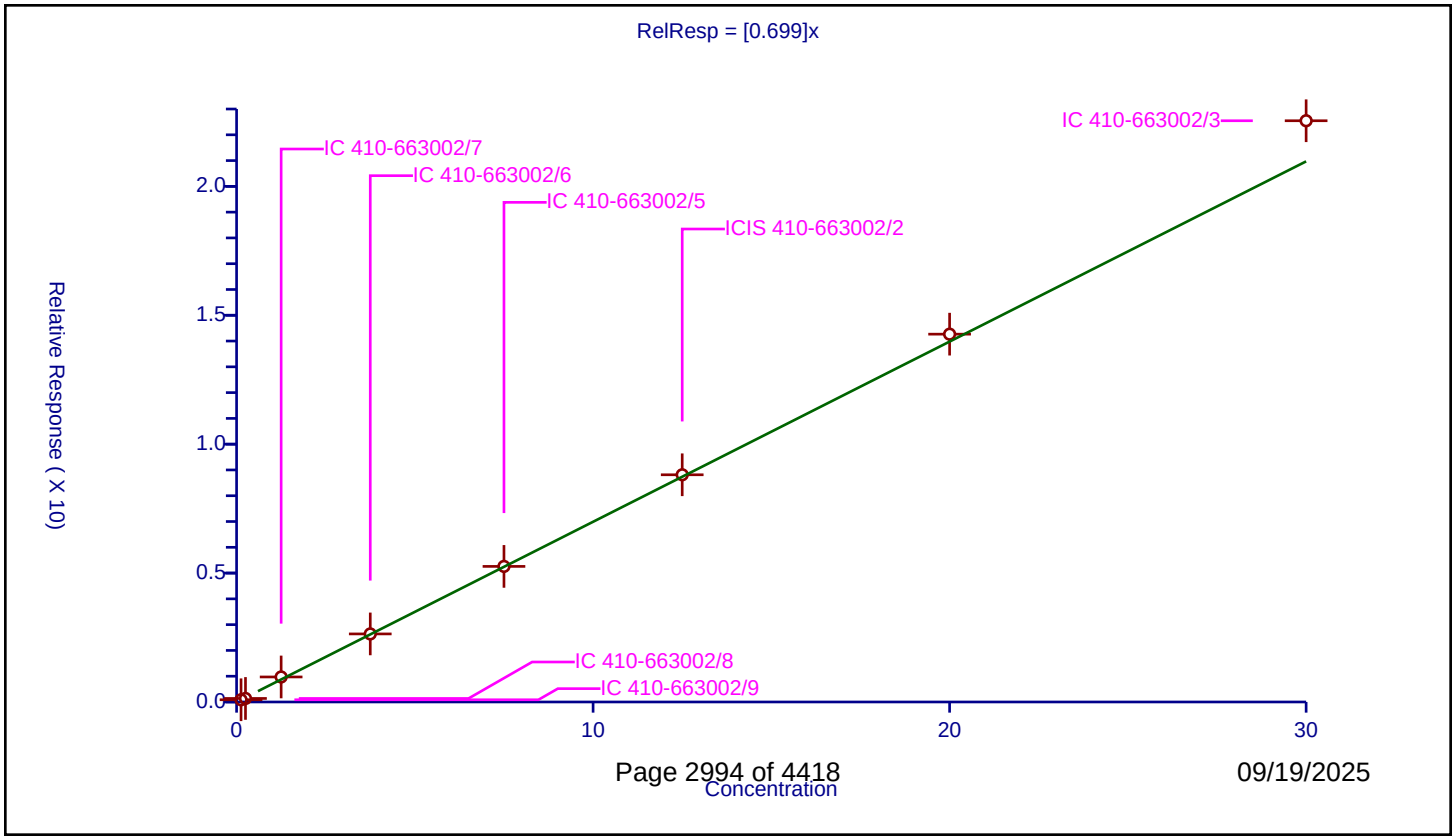
Curve Coefficients

Intercept:	0
Slope:	0.699

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.086498	5.0	523711.0	0.691985	Y
2	IC 410-663002/8	0.25	0.136941	5.0	560899.0	0.547764	Y
3	IC 410-663002/7	1.25	0.970977	5.0	537582.0	0.776782	Y
4	IC 410-663002/6	3.75	2.639707	5.0	625435.0	0.703922	Y
5	IC 410-663002/5	7.5	5.259385	5.0	588044.0	0.701251	Y
6	ICIS 410-663002/2	12.5	8.813535	5.0	625703.0	0.705083	Y
7	IC 410-663002/4	20.0	14.267022	5.0	741134.0	0.713351	Y
8	IC 410-663002/3	30.0	22.545319	5.0	614316.0	0.751511	Y



Calibration / Caprolactam

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

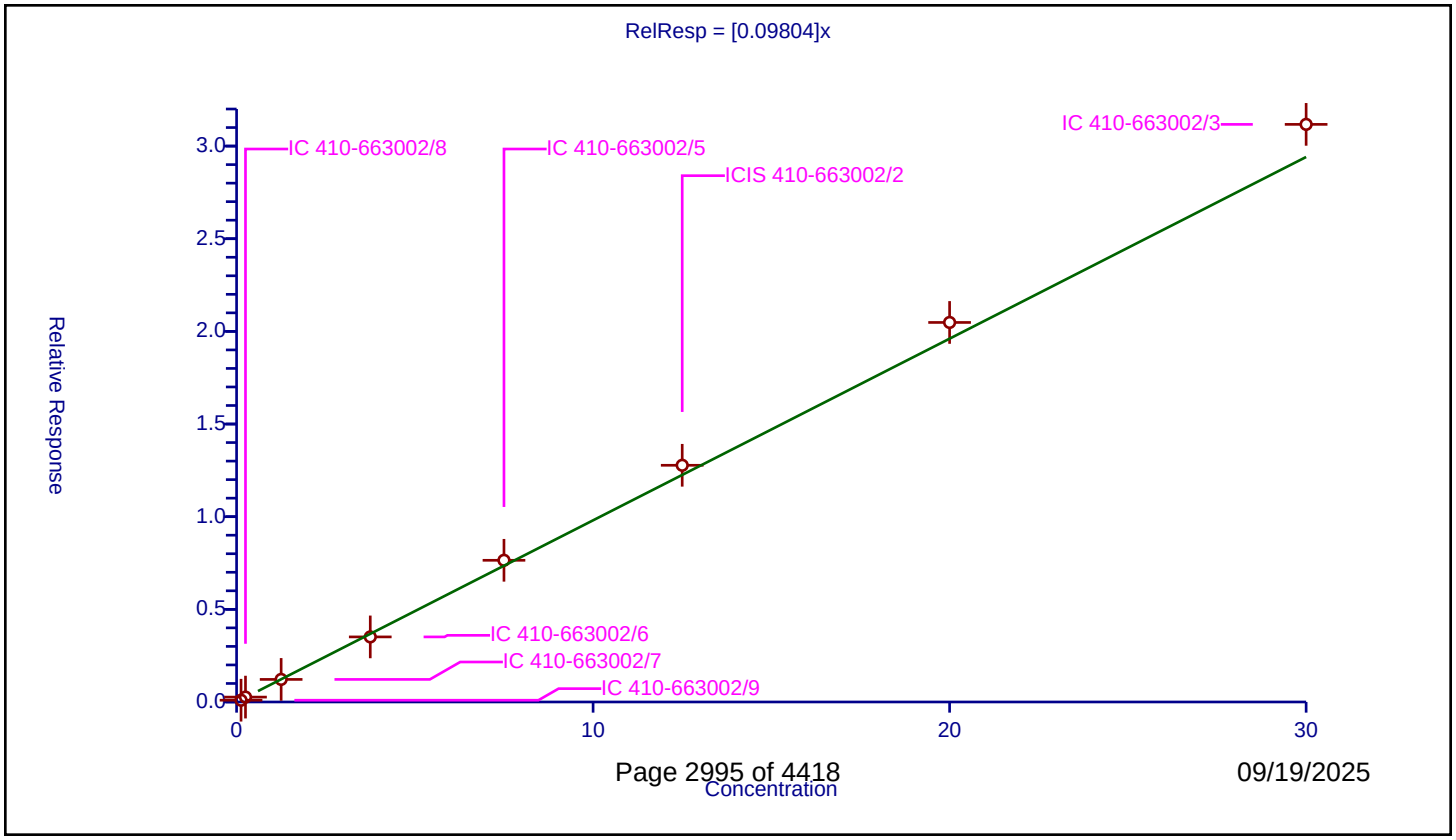
Curve Coefficients

Intercept:	0
Slope:	0.09804

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.009624	5.0	523711.0	0.076989	Y
2	IC 410-663002/8	0.25	0.026431	5.0	560899.0	0.105723	Y
3	IC 410-663002/7	1.25	0.121842	5.0	537582.0	0.097474	Y
4	IC 410-663002/6	3.75	0.351188	5.0	625435.0	0.09365	Y
5	IC 410-663002/5	7.5	0.764671	5.0	588044.0	0.101956	Y
6	ICIS 410-663002/2	12.5	1.277323	5.0	625703.0	0.102186	Y
7	IC 410-663002/4	20.0	2.048233	5.0	741134.0	0.102412	Y
8	IC 410-663002/3	30.0	3.117109	5.0	614316.0	0.103904	Y



Calibration / N-Nitrosodi-n-butylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

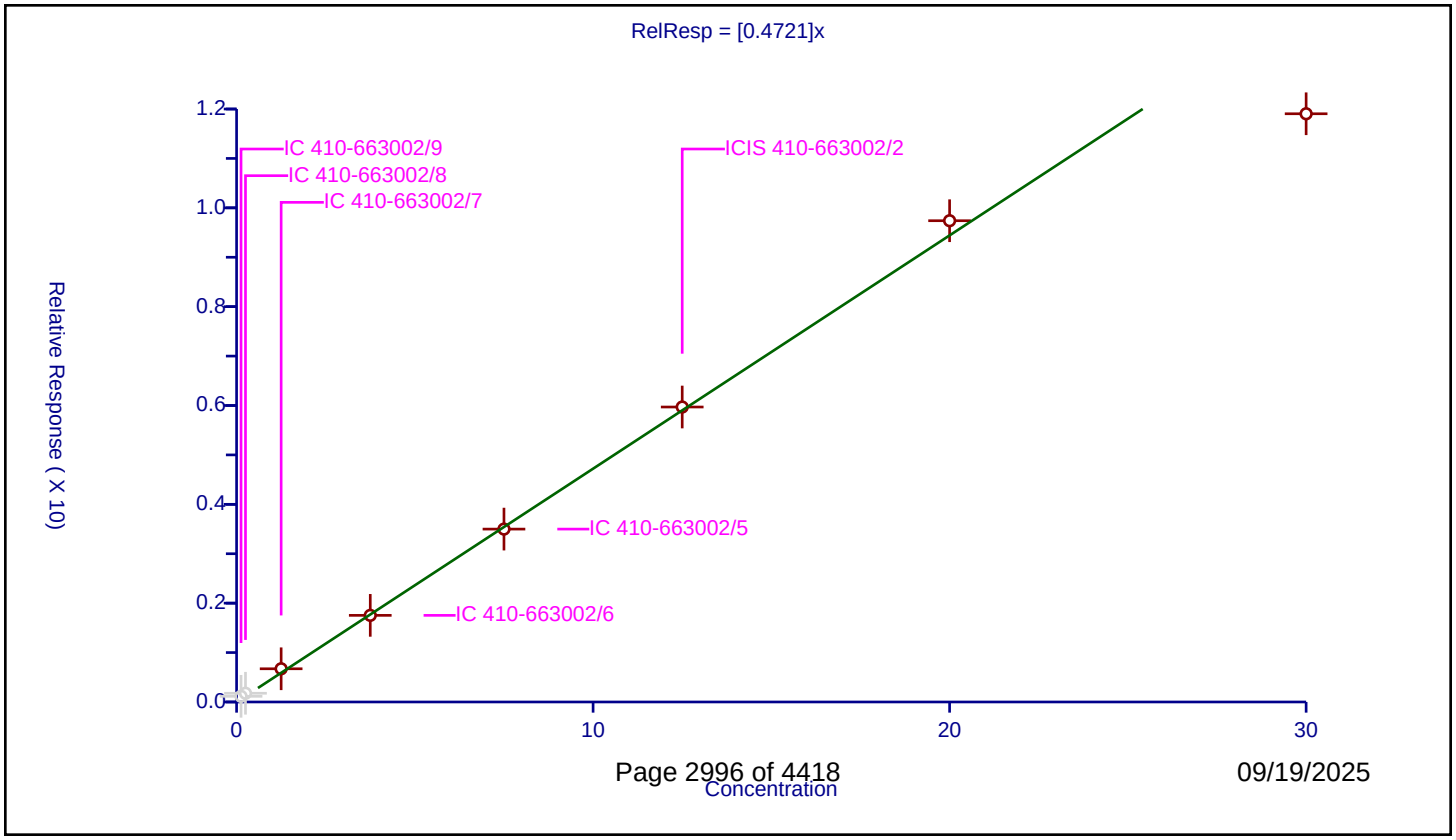
Curve Coefficients

Intercept:	0
Slope:	0.4721

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.114787	5.0	523711.0	0.918293	N
2	IC 410-663002/8	0.25	0.176859	5.0	560899.0	0.707436	N
3	IC 410-663002/7	1.25	0.671897	5.0	537582.0	0.537518	Y
4	IC 410-663002/6	3.75	1.753212	5.0	625435.0	0.467523	Y
5	IC 410-663002/5	7.5	3.498573	5.0	588044.0	0.466476	Y
6	ICIS 410-663002/2	12.5	5.969238	5.0	625703.0	0.477539	Y
7	IC 410-663002/4	20.0	9.739264	5.0	741134.0	0.486963	Y
8	IC 410-663002/3	30.0	11.903686	5.0	614316.0	0.39679	Y



Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

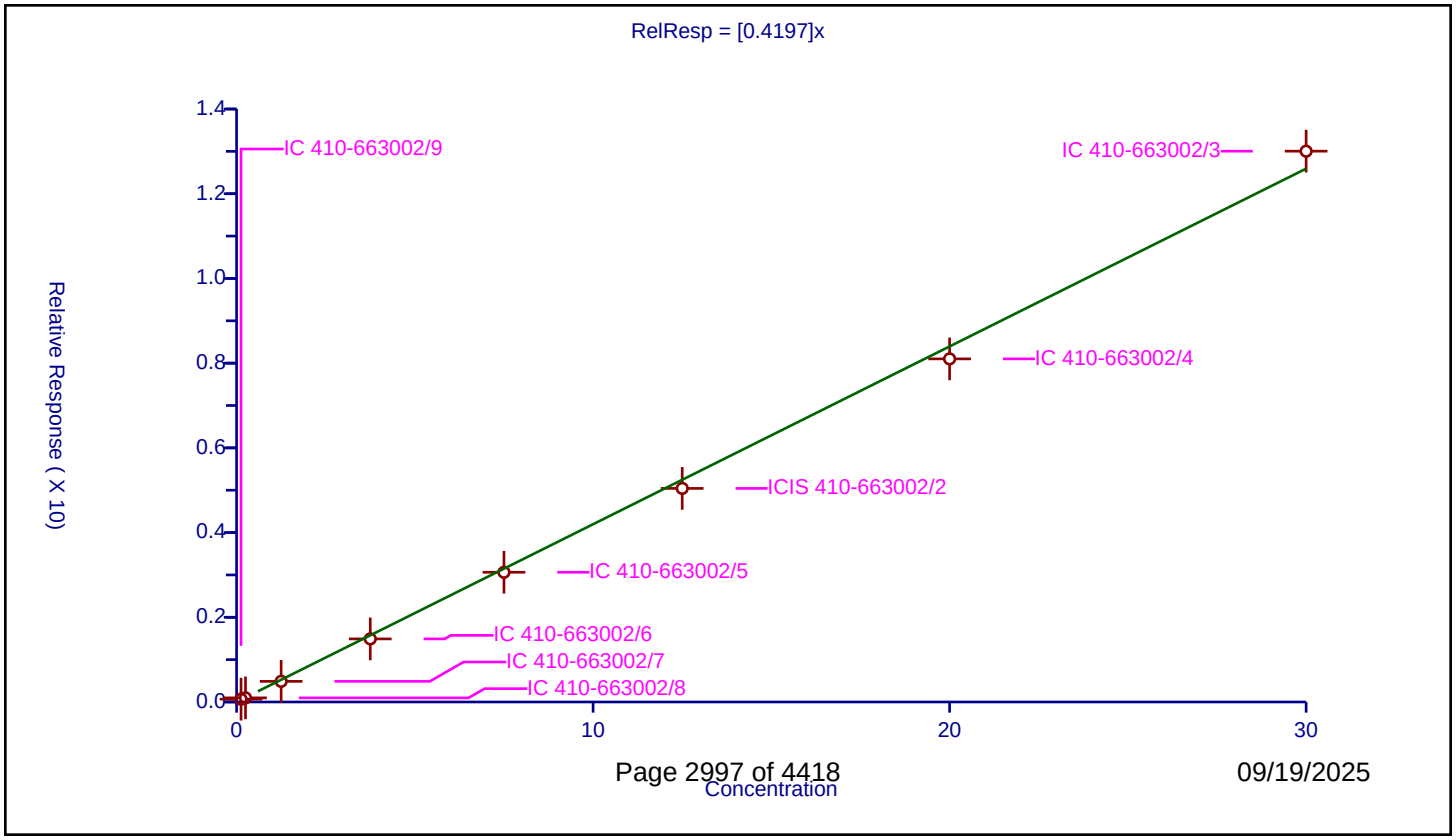
Curve Coefficients

Intercept:	0
Slope:	0.4197

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.066497	5.0	523711.0	0.531973	Y
2	IC 410-663002/8	0.25	0.097174	5.0	560899.0	0.388697	Y
3	IC 410-663002/7	1.25	0.487154	5.0	537582.0	0.389723	Y
4	IC 410-663002/6	3.75	1.489243	5.0	625435.0	0.397132	Y
5	IC 410-663002/5	7.5	3.062951	5.0	588044.0	0.408393	Y
6	ICIS 410-663002/2	12.5	5.04248	5.0	625703.0	0.403398	Y
7	IC 410-663002/4	20.0	8.100445	5.0	741134.0	0.405022	Y
8	IC 410-663002/3	30.0	13.004545	5.0	614316.0	0.433485	Y



Calibration / Safrole, Total

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

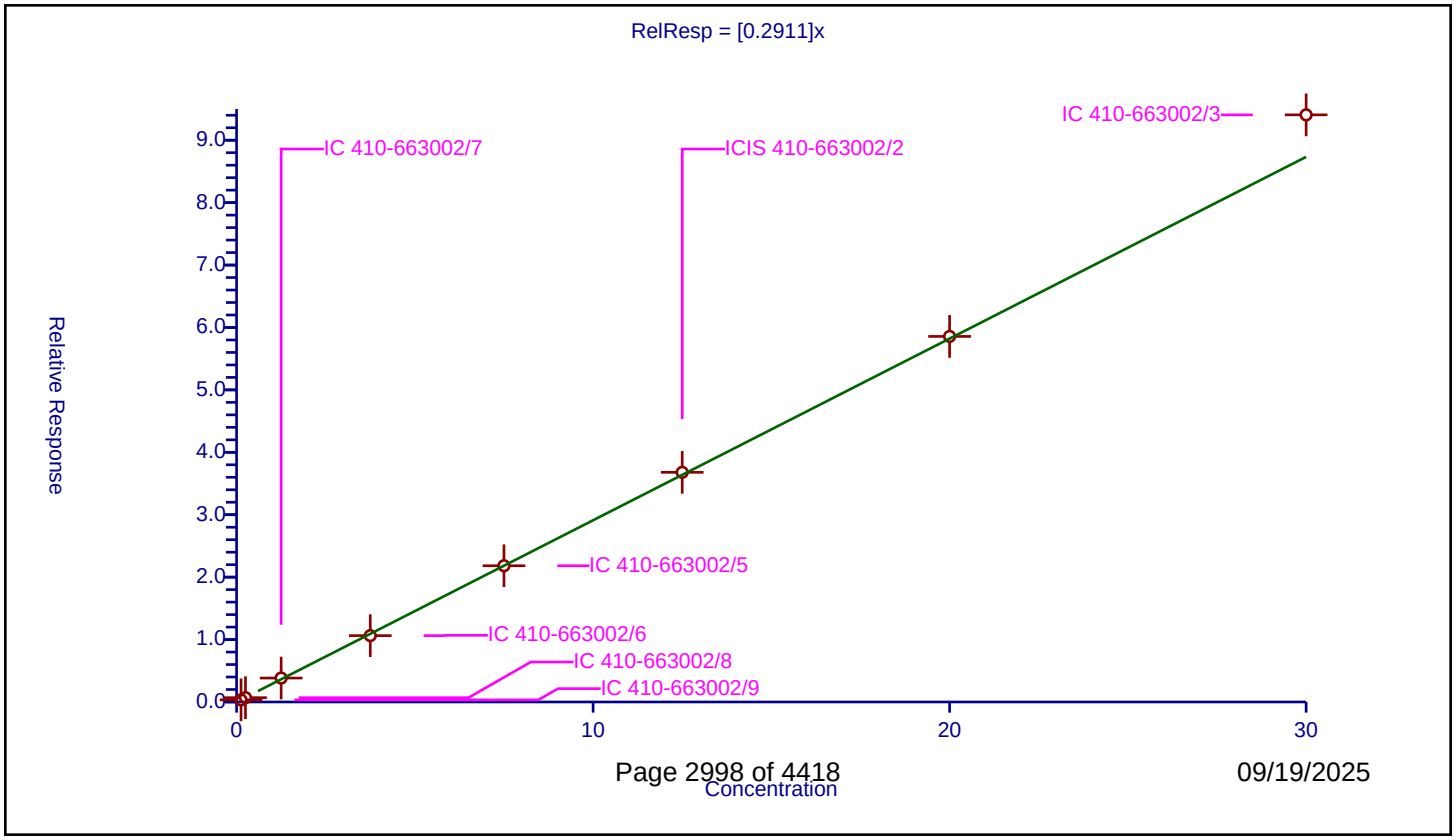
Curve Coefficients

Intercept:	0
Slope:	0.2911

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.033921	5.0	523711.0	0.271371	Y
2	IC 410-663002/8	0.25	0.068827	5.0	560899.0	0.275308	Y
3	IC 410-663002/7	1.25	0.383644	5.0	537582.0	0.306915	Y
4	IC 410-663002/6	3.75	1.062988	5.0	625435.0	0.283464	Y
5	IC 410-663002/5	7.5	2.18249	5.0	588044.0	0.290999	Y
6	ICIS 410-663002/2	12.5	3.679493	5.0	625703.0	0.294359	Y
7	IC 410-663002/4	20.0	5.856782	5.0	741134.0	0.292839	Y
8	IC 410-663002/3	30.0	9.406405	5.0	614316.0	0.313547	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

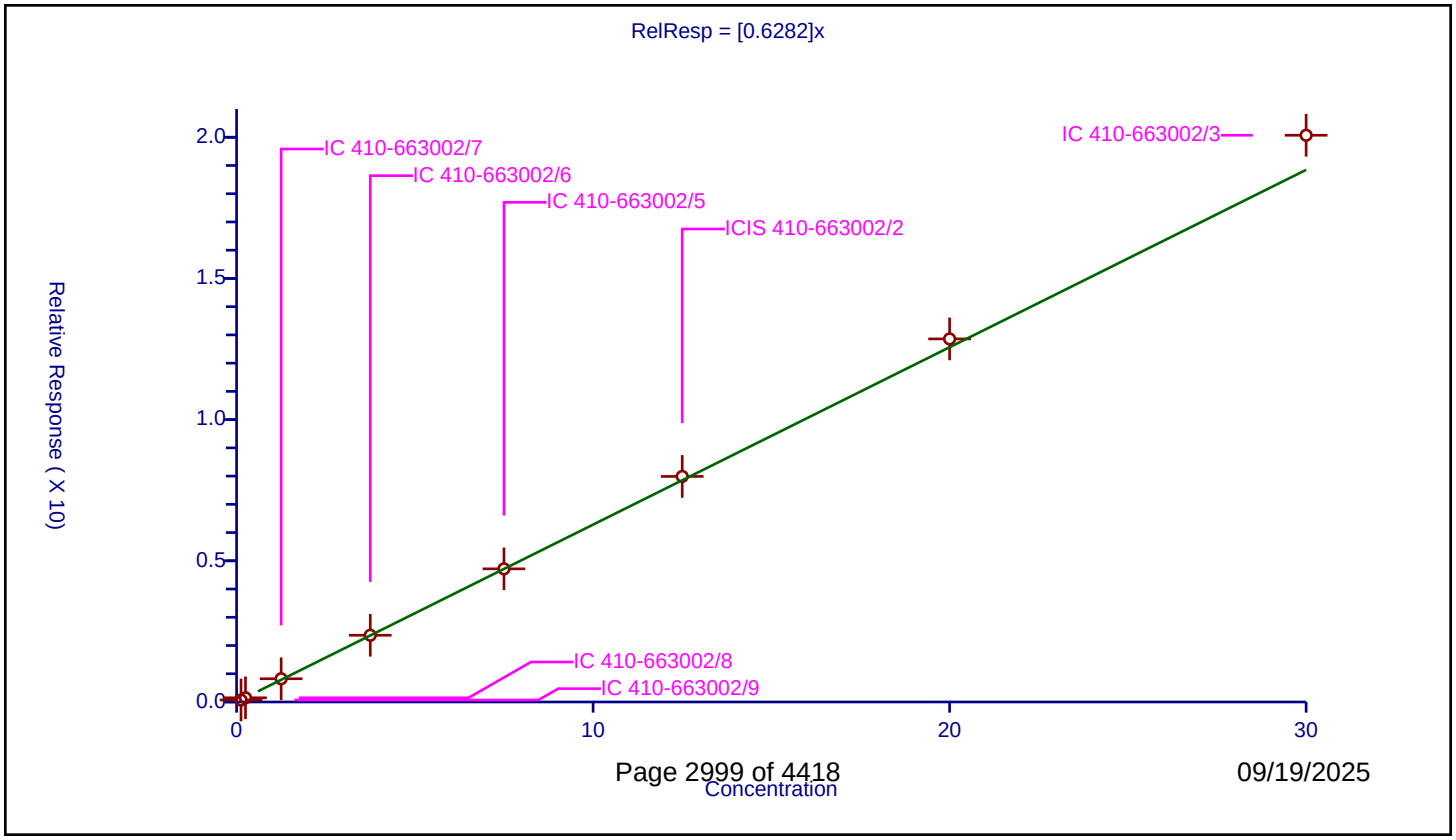
Curve Coefficients

Intercept:	0
Slope:	0.6282

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.070516	5.0	523711.0	0.564128	Y
2	IC 410-663002/8	0.25	0.148315	5.0	560899.0	0.593262	Y
3	IC 410-663002/7	1.25	0.822674	5.0	537582.0	0.65814	Y
4	IC 410-663002/6	3.75	2.363315	5.0	625435.0	0.630217	Y
5	IC 410-663002/5	7.5	4.715004	5.0	588044.0	0.628667	Y
6	ICIS 410-663002/2	12.5	7.988279	5.0	625703.0	0.639062	Y
7	IC 410-663002/4	20.0	12.85837	5.0	741134.0	0.642918	Y
8	IC 410-663002/3	30.0	20.07068	5.0	614316.0	0.669023	Y



09/19/2025

Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

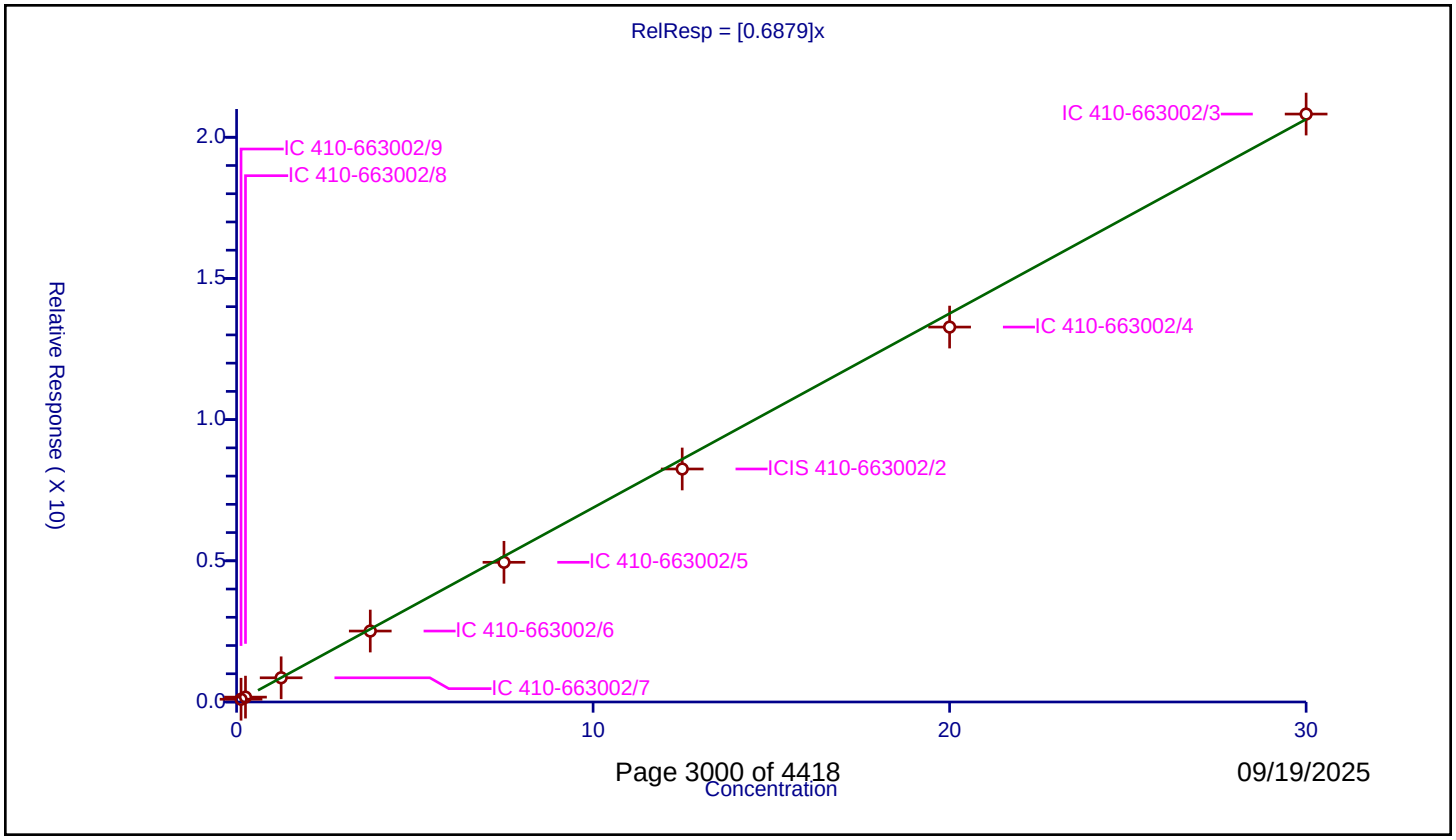
Curve Coefficients

Intercept:	0
Slope:	0.6879

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.097726	5.0	523711.0	0.781805	Y
2	IC 410-663002/8	0.25	0.172018	5.0	560899.0	0.688074	Y
3	IC 410-663002/7	1.25	0.857218	5.0	537582.0	0.685774	Y
4	IC 410-663002/6	3.75	2.512667	5.0	625435.0	0.670045	Y
5	IC 410-663002/5	7.5	4.947045	5.0	588044.0	0.659606	Y
6	ICIS 410-663002/2	12.5	8.251319	5.0	625703.0	0.660106	Y
7	IC 410-663002/4	20.0	13.27797	5.0	741134.0	0.663898	Y
8	IC 410-663002/3	30.0	20.821686	5.0	614316.0	0.694056	Y



Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

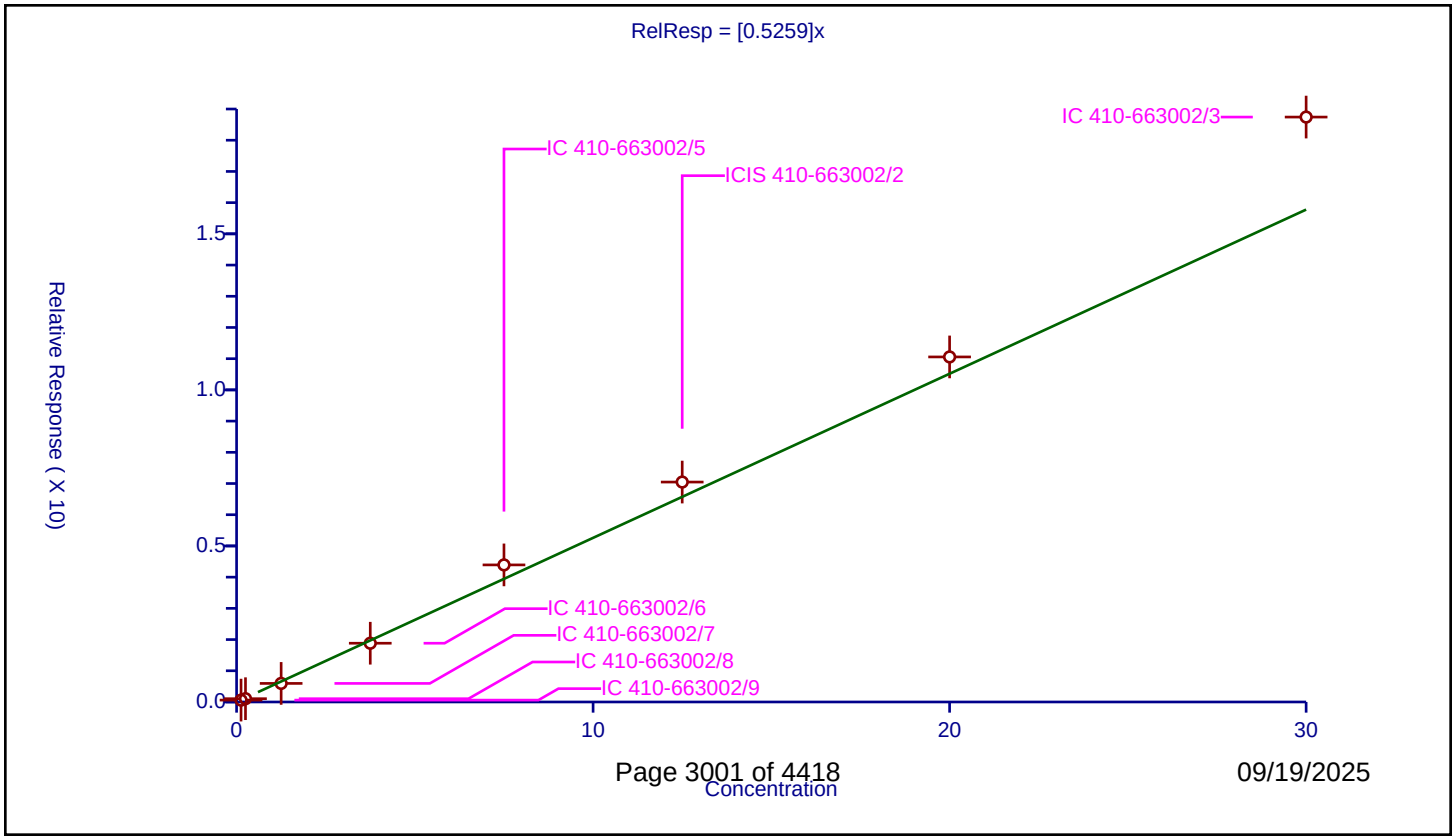
Curve Coefficients

Intercept:	0
Slope:	0.5259

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.059942	5.0	328987.0	0.479533	Y
2	IC 410-663002/8	0.25	0.105722	5.0	347467.0	0.422889	Y
3	IC 410-663002/7	1.25	0.594725	5.0	340712.0	0.47578	Y
4	IC 410-663002/6	3.75	1.882384	5.0	385280.0	0.501969	Y
5	IC 410-663002/5	7.5	4.392329	5.0	332178.0	0.585644	Y
6	ICIS 410-663002/2	12.5	7.047279	5.0	372785.0	0.563782	Y
7	IC 410-663002/4	20.0	11.05616	5.0	463888.0	0.552808	Y
8	IC 410-663002/3	30.0	18.741991	5.0	356297.0	0.624733	Y



09/19/2025

Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

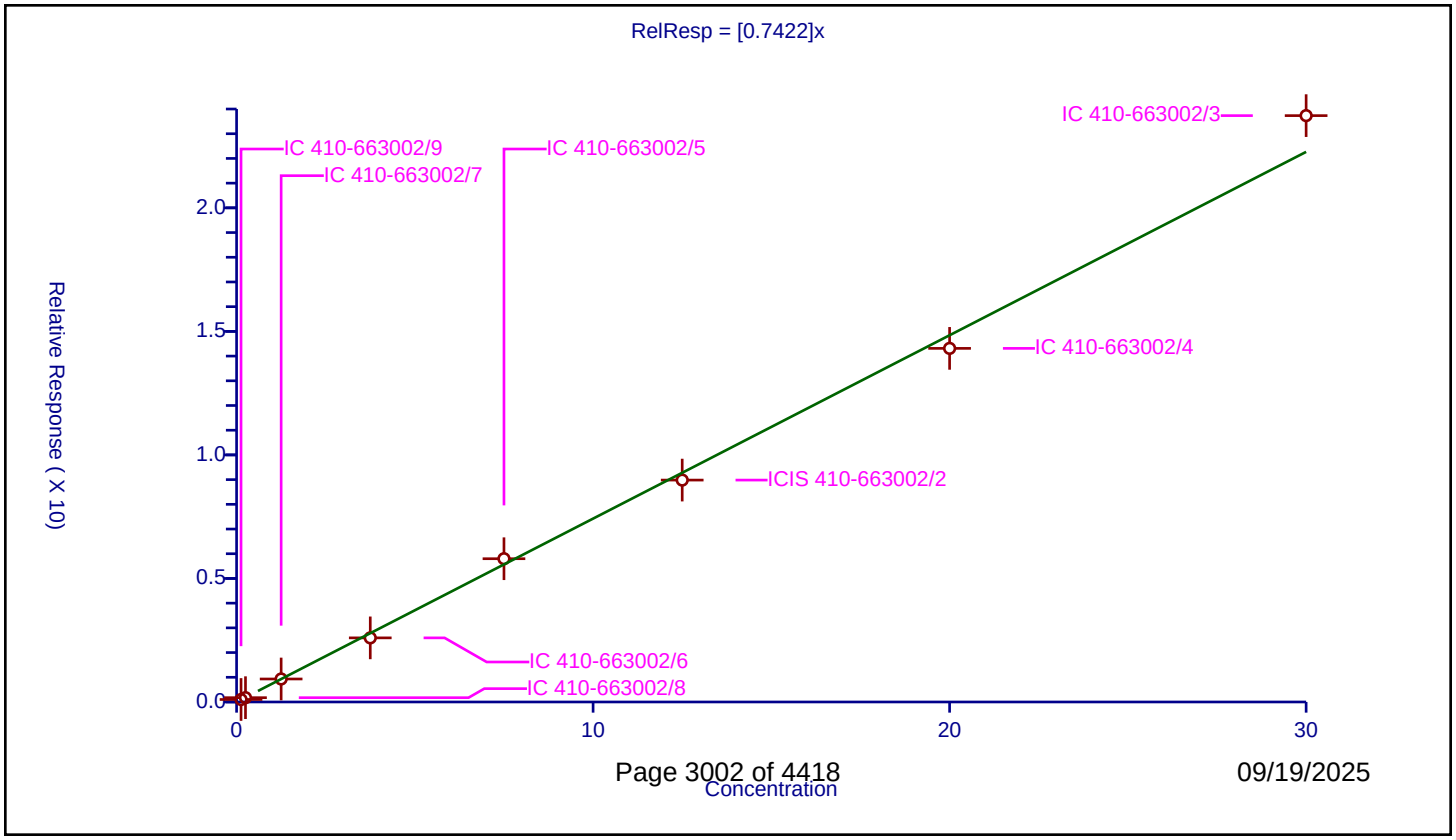
Curve Coefficients

Intercept:	0
Slope:	0.7422

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.100627	5.0	328987.0	0.805017	Y
2	IC 410-663002/8	0.25	0.174261	5.0	347467.0	0.697045	Y
3	IC 410-663002/7	1.25	0.931329	5.0	340712.0	0.745063	Y
4	IC 410-663002/6	3.75	2.594723	5.0	385280.0	0.691926	Y
5	IC 410-663002/5	7.5	5.798743	5.0	332178.0	0.773166	Y
6	ICIS 410-663002/2	12.5	8.981115	5.0	372785.0	0.718489	Y
7	IC 410-663002/4	20.0	14.31186	5.0	463888.0	0.715593	Y
8	IC 410-663002/3	30.0	23.732799	5.0	356297.0	0.791093	Y



Calibration / Isosafrole Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

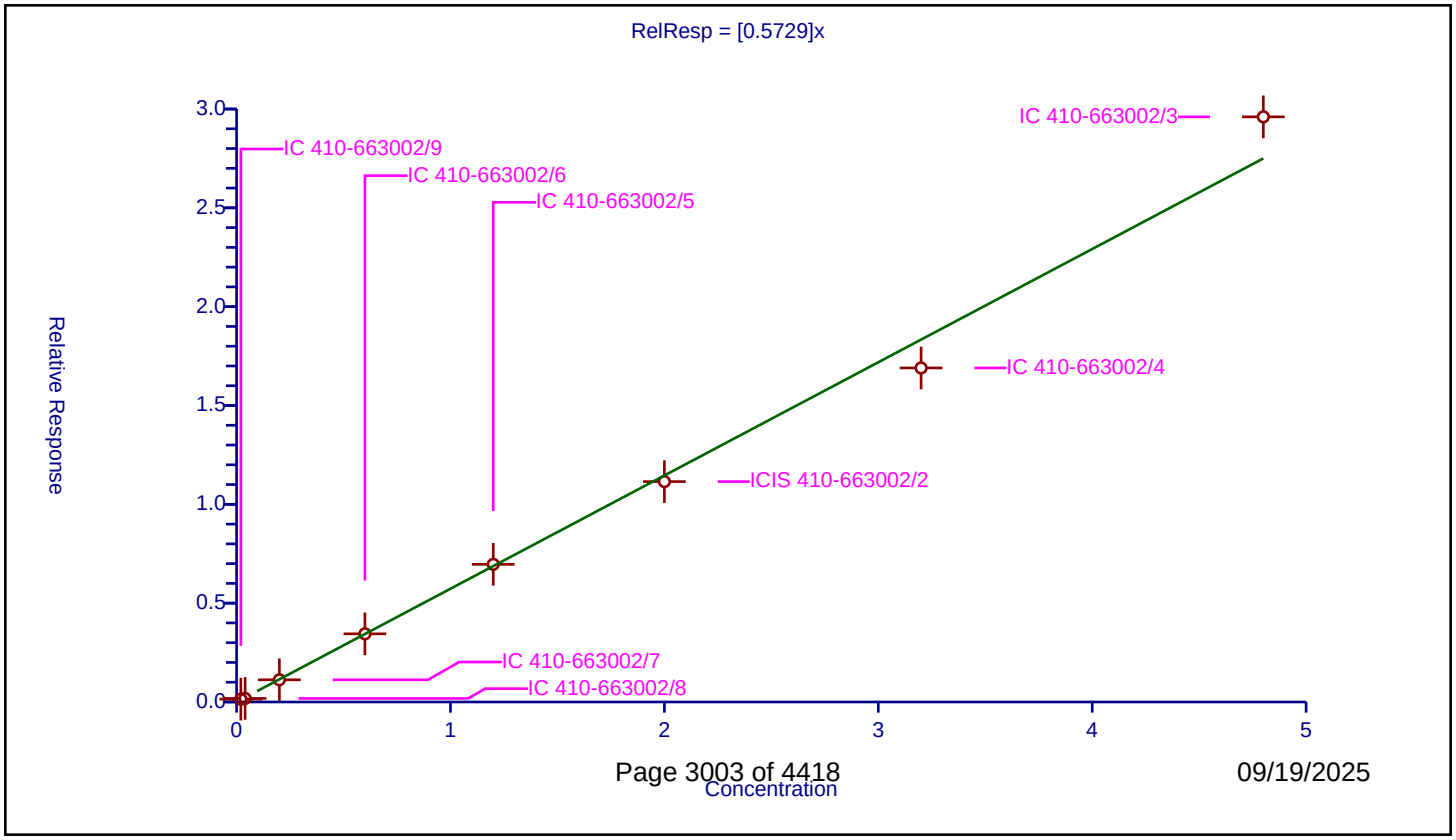
Curve Coefficients

Intercept:	0
Slope:	0.5729

Error Coefficients

Relative Standard Deviation:	13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.02	0.014301	5.0	328987.0	0.715074	Y
2	IC 410-663002/8	0.04	0.018002	5.0	347467.0	0.450043	Y
3	IC 410-663002/7	0.2	0.112192	5.0	340712.0	0.560958	Y
4	IC 410-663002/6	0.6	0.344749	5.0	385280.0	0.574582	Y
5	IC 410-663002/5	1.2	0.696419	5.0	332178.0	0.580349	Y
6	ICIS 410-663002/2	2.0	1.114986	5.0	372785.0	0.557493	Y
7	IC 410-663002/4	3.2	1.69002	5.0	463888.0	0.528131	Y
8	IC 410-663002/3	4.8	2.960339	5.0	356297.0	0.616737	Y



Calibration / 2,4,6-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

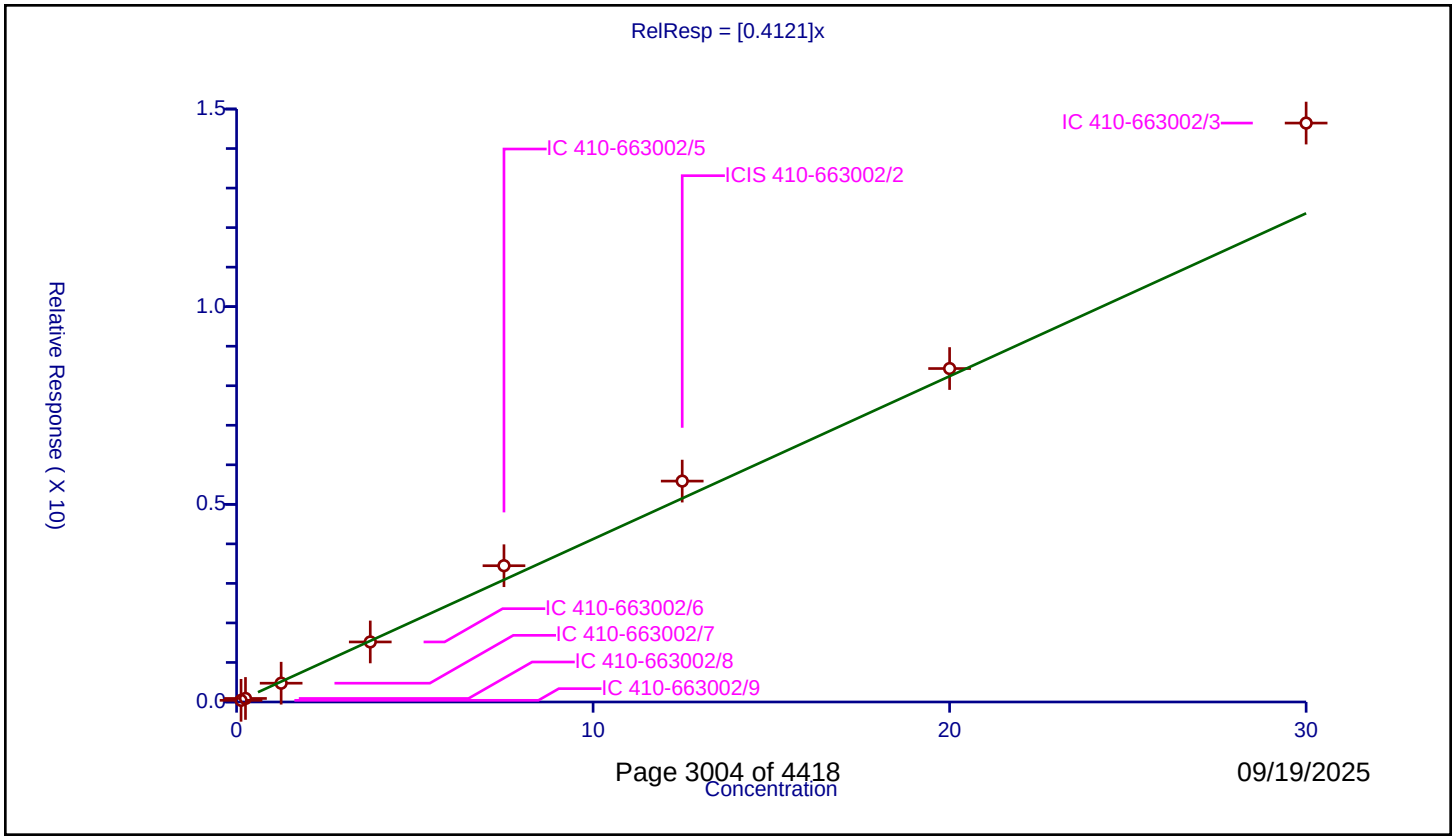
Curve Coefficients

Intercept:	0
Slope:	0.4121

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.042038	5.0	328987.0	0.336305	Y
2	IC 410-663002/8	0.25	0.089606	5.0	347467.0	0.358423	Y
3	IC 410-663002/7	1.25	0.475167	5.0	340712.0	0.380133	Y
4	IC 410-663002/6	3.75	1.51909	5.0	385280.0	0.405091	Y
5	IC 410-663002/5	7.5	3.447369	5.0	332178.0	0.459649	Y
6	ICIS 410-663002/2	12.5	5.587819	5.0	372785.0	0.447025	Y
7	IC 410-663002/4	20.0	8.434838	5.0	463888.0	0.421742	Y
8	IC 410-663002/3	30.0	14.644173	5.0	356297.0	0.488139	Y



Calibration / 2,4,5-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

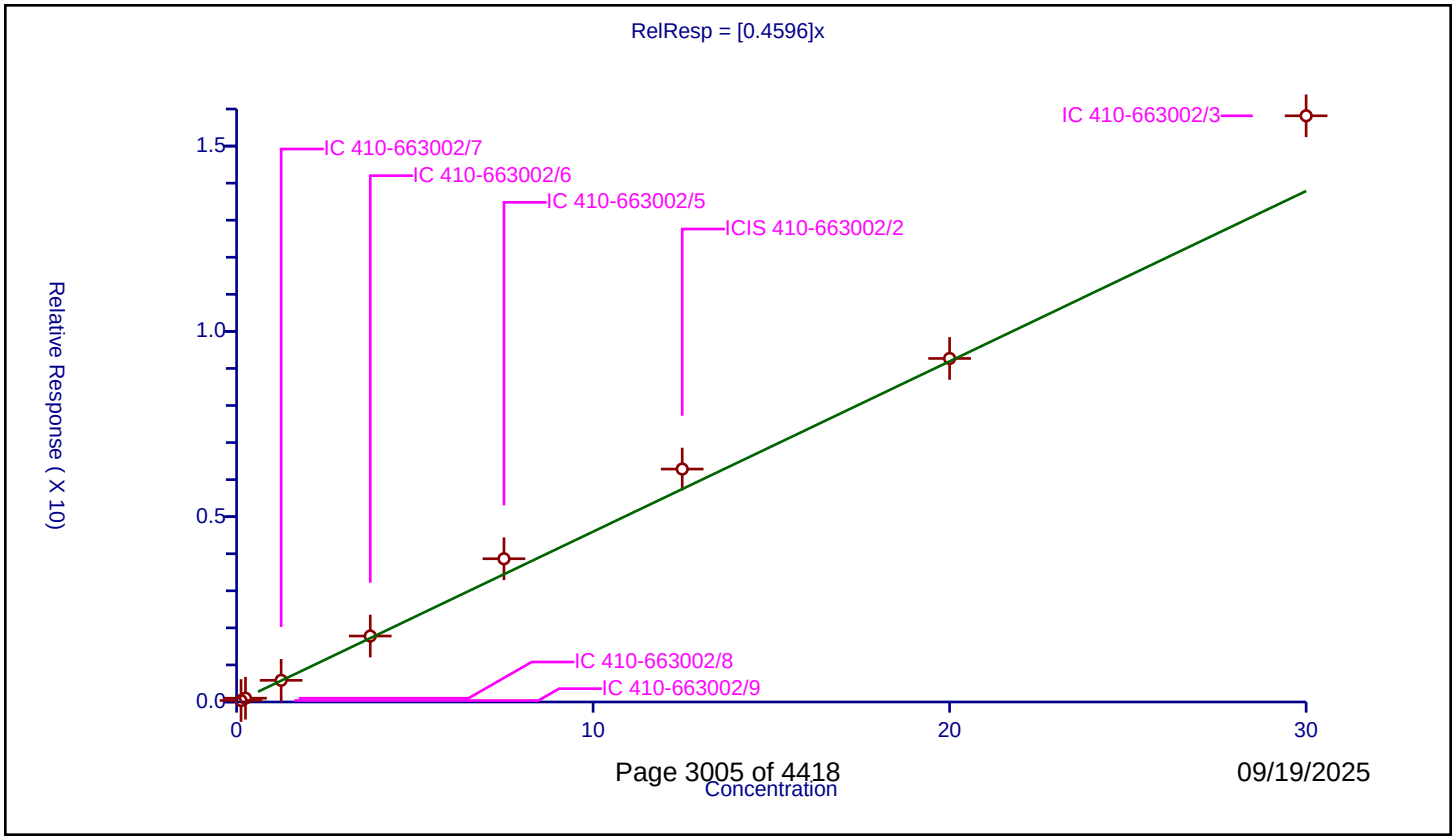
Curve Coefficients

Intercept:	0
Slope:	0.4596

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.039743	5.0	328987.0	0.317946	Y
2	IC 410-663002/8	0.25	0.101952	5.0	347467.0	0.407809	Y
3	IC 410-663002/7	1.25	0.584394	5.0	340712.0	0.467515	Y
4	IC 410-663002/6	3.75	1.779615	5.0	385280.0	0.474564	Y
5	IC 410-663002/5	7.5	3.86463	5.0	332178.0	0.515284	Y
6	ICIS 410-663002/2	12.5	6.285097	5.0	372785.0	0.502808	Y
7	IC 410-663002/4	20.0	9.269651	5.0	463888.0	0.463483	Y
8	IC 410-663002/3	30.0	15.817141	5.0	356297.0	0.527238	Y



Calibration / 2-Fluorobiphenyl (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

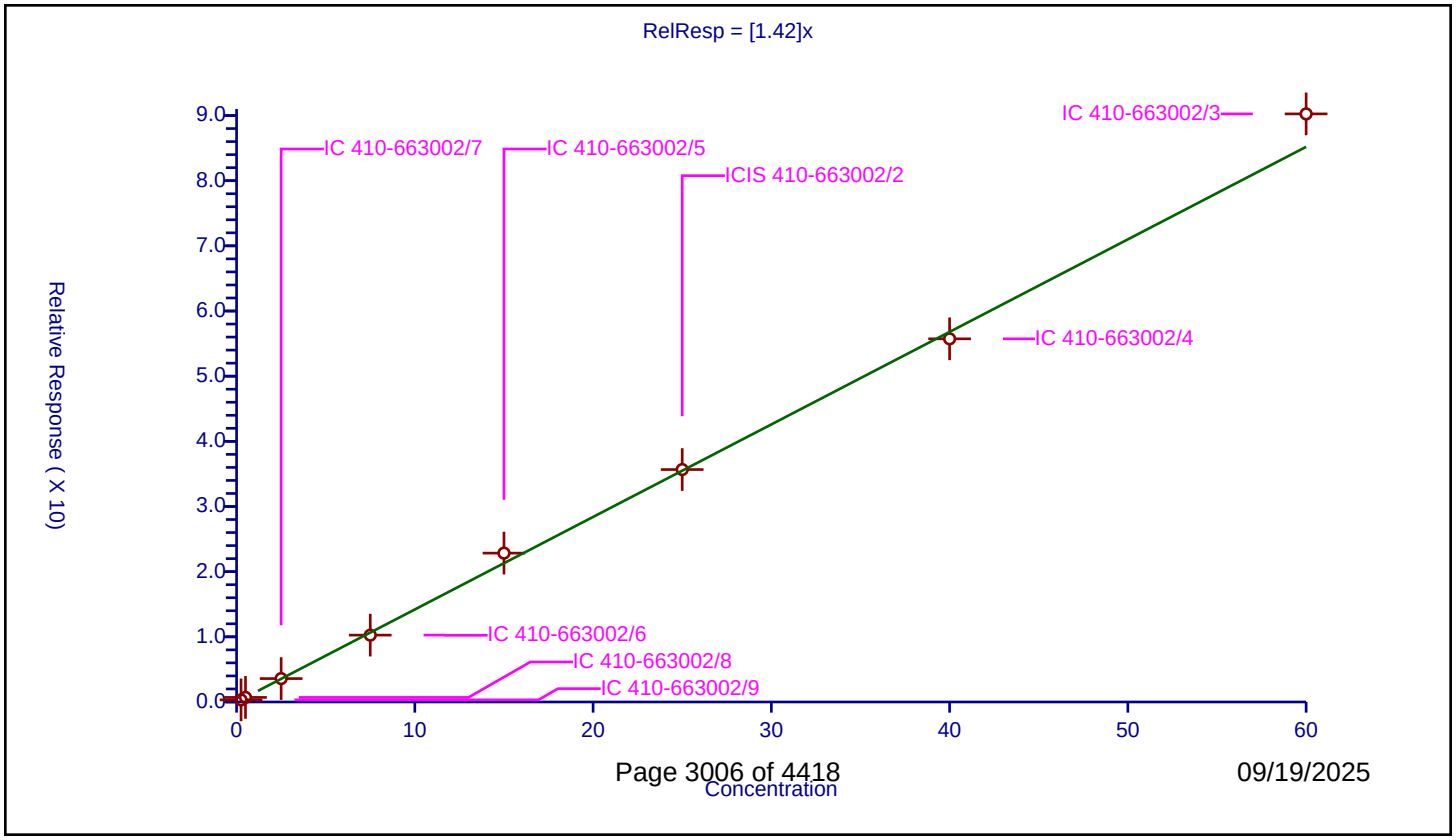
Curve Coefficients

Intercept:	0
Slope:	1.42

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.25	0.326335	5.0	328987.0	1.30534	Y
2	IC 410-663002/8	0.5	0.700728	5.0	347467.0	1.401457	Y
3	IC 410-663002/7	2.5	3.591846	5.0	340712.0	1.436738	Y
4	IC 410-663002/6	7.5	10.260758	5.0	385280.0	1.368101	Y
5	IC 410-663002/5	15.0	22.845086	5.0	332178.0	1.523006	Y
6	ICIS 410-663002/2	25.0	35.672318	5.0	372785.0	1.426893	Y
7	IC 410-663002/4	40.0	55.732795	5.0	463888.0	1.39332	Y
8	IC 410-663002/3	60.0	90.250423	5.0	356297.0	1.504174	Y



Calibration / Isosafrole Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

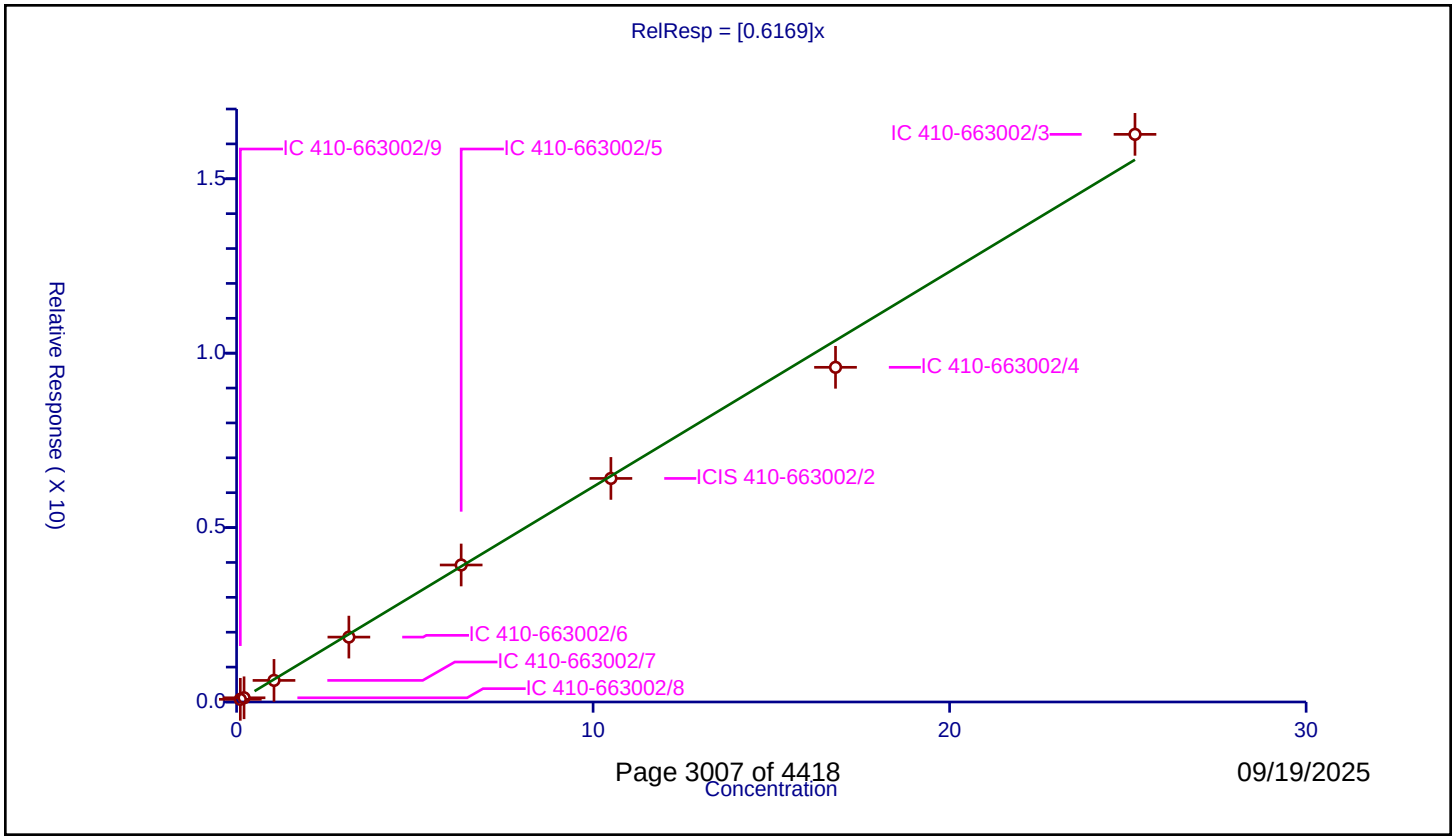
Curve Coefficients

Intercept:	0
Slope:	0.6169

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.105	0.076644	5.0	328987.0	0.729946	Y
2	IC 410-663002/8	0.21	0.120587	5.0	347467.0	0.574224	Y
3	IC 410-663002/7	1.05	0.619189	5.0	340712.0	0.589703	Y
4	IC 410-663002/6	3.15	1.860504	5.0	385280.0	0.590636	Y
5	IC 410-663002/5	6.3	3.927563	5.0	332178.0	0.623423	Y
6	ICIS 410-663002/2	10.5	6.409351	5.0	372785.0	0.610414	Y
7	IC 410-663002/4	16.8	9.59459	5.0	463888.0	0.571107	Y
8	IC 410-663002/3	25.2	16.273853	5.0	356297.0	0.645788	Y



Calibration / 1,1'-Biphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

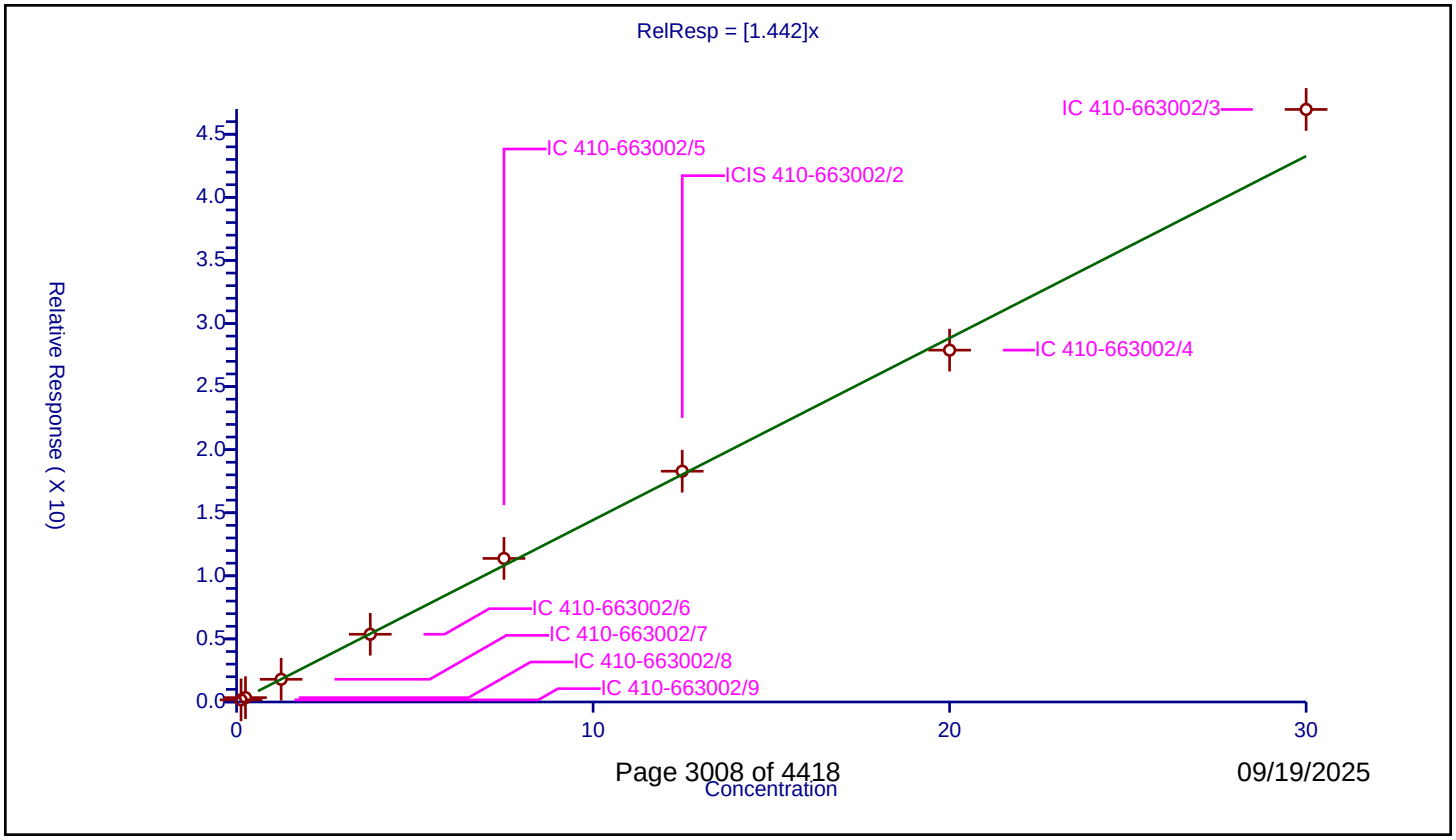
Curve Coefficients

Intercept:	0
Slope:	1.442

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.167788	5.0	328987.0	1.342302	Y
2	IC 410-663002/8	0.25	0.346018	5.0	347467.0	1.384074	Y
3	IC 410-663002/7	1.25	1.799819	5.0	340712.0	1.439855	Y
4	IC 410-663002/6	3.75	5.367655	5.0	385280.0	1.431375	Y
5	IC 410-663002/5	7.5	11.379065	5.0	332178.0	1.517209	Y
6	ICIS 410-663002/2	12.5	18.293051	5.0	372785.0	1.463444	Y
7	IC 410-663002/4	20.0	27.887529	5.0	463888.0	1.394376	Y
8	IC 410-663002/3	30.0	46.966337	5.0	356297.0	1.565545	Y



Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

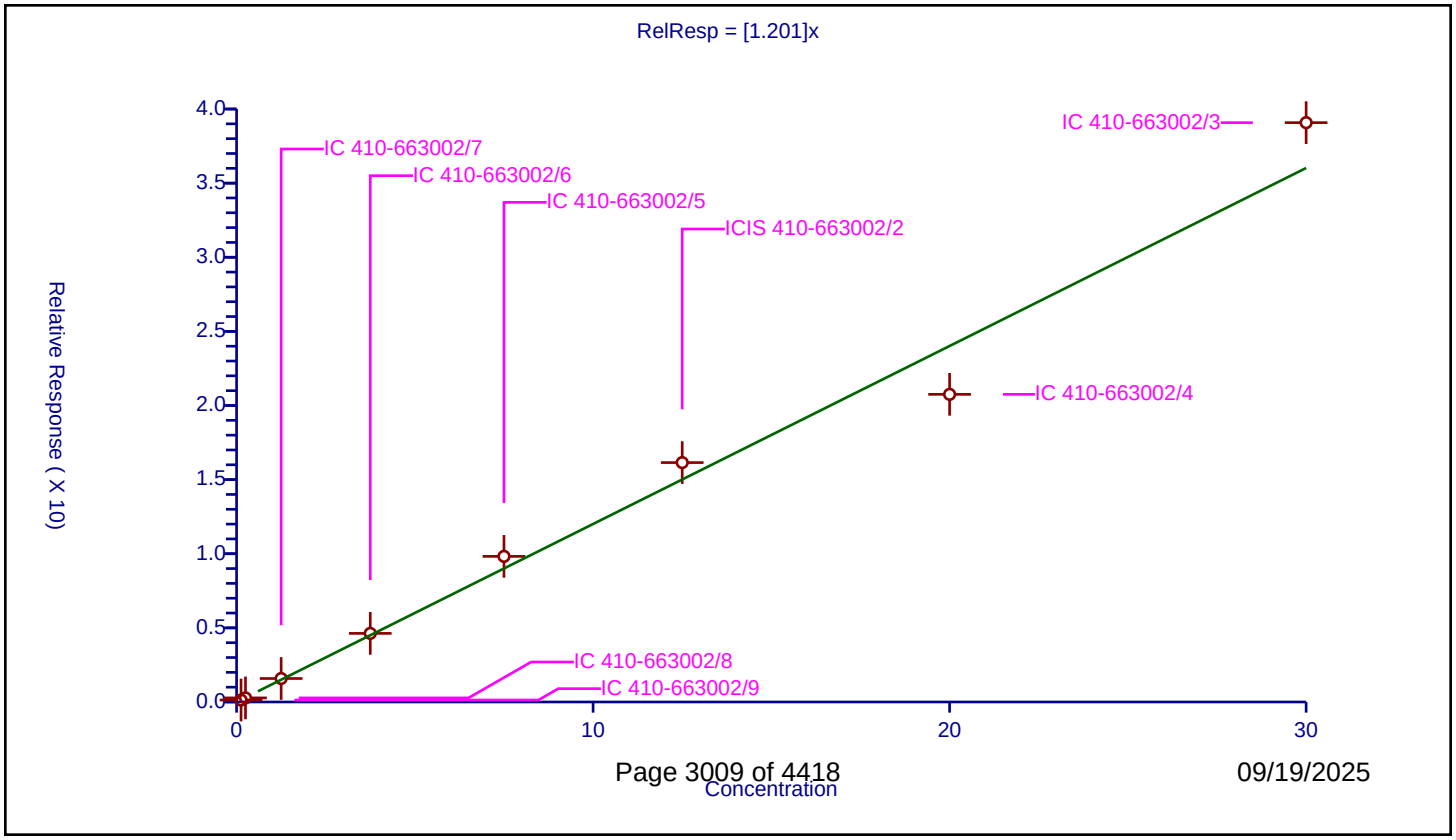
Curve Coefficients

Intercept:	0
Slope:	1.201

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.132528	5.0	328987.0	1.060224	Y
2	IC 410-663002/8	0.25	0.275753	5.0	347467.0	1.103011	Y
3	IC 410-663002/7	1.25	1.583009	5.0	340712.0	1.266407	Y
4	IC 410-663002/6	3.75	4.626856	5.0	385280.0	1.233828	Y
5	IC 410-663002/5	7.5	9.822941	5.0	332178.0	1.309726	Y
6	ICIS 410-663002/2	12.5	16.149362	5.0	372785.0	1.291949	Y
7	IC 410-663002/4	20.0	20.752531	5.0	463888.0	1.037627	Y
8	IC 410-663002/3	30.0	39.080991	5.0	356297.0	1.3027	Y



Calibration / 1-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

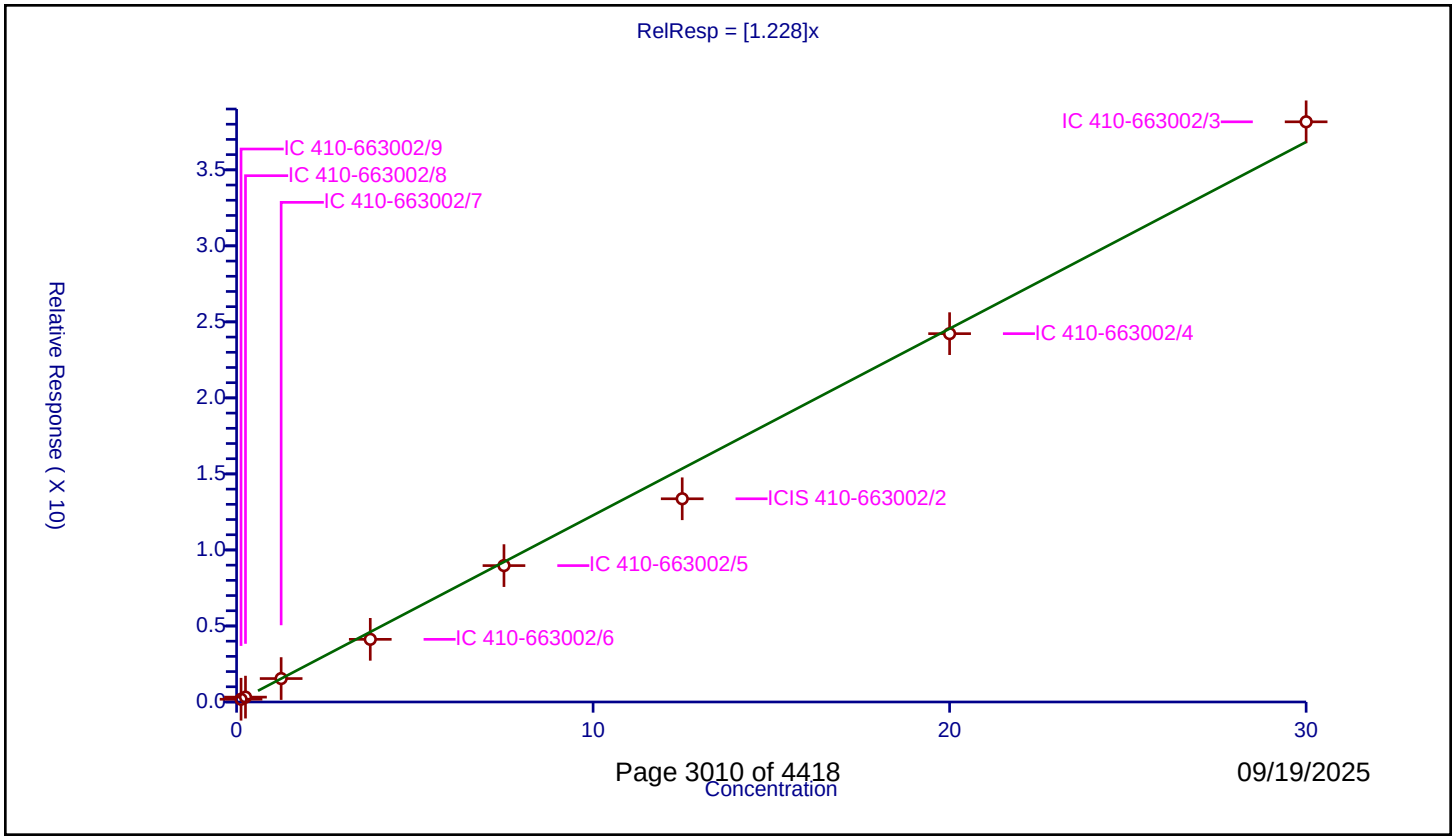
Curve Coefficients

Intercept:	0
Slope:	1.228

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.182272	5.0	328987.0	1.458173	Y
2	IC 410-663002/8	0.25	0.320692	5.0	347467.0	1.282769	Y
3	IC 410-663002/7	1.25	1.541581	5.0	340712.0	1.233264	Y
4	IC 410-663002/6	3.75	4.121288	5.0	385280.0	1.09901	Y
5	IC 410-663002/5	7.5	8.970296	5.0	332178.0	1.196039	Y
6	ICIS 410-663002/2	12.5	13.365613	5.0	372785.0	1.069249	Y
7	IC 410-663002/4	20.0	24.226009	5.0	463888.0	1.2113	Y
8	IC 410-663002/3	30.0	38.158952	5.0	356297.0	1.271965	Y



Calibration / Phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

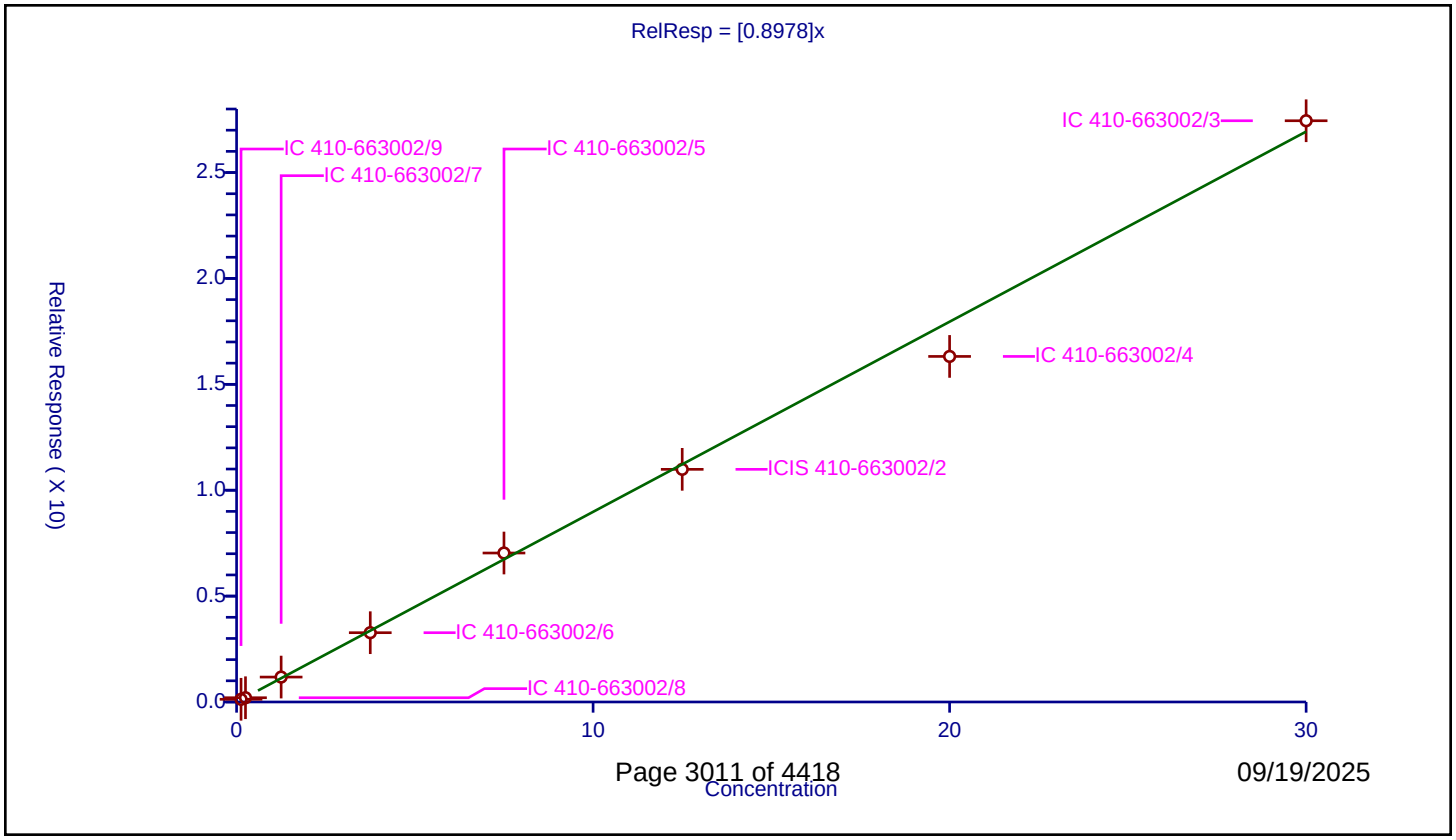
Curve Coefficients

Intercept:	0
Slope:	0.8978

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.127254	5.0	328987.0	1.018034	Y
2	IC 410-663002/8	0.25	0.200767	5.0	347467.0	0.803069	Y
3	IC 410-663002/7	1.25	1.176155	5.0	340712.0	0.940924	Y
4	IC 410-663002/6	3.75	3.272321	5.0	385280.0	0.872619	Y
5	IC 410-663002/5	7.5	7.034737	5.0	332178.0	0.937965	Y
6	ICIS 410-663002/2	12.5	10.985582	5.0	372785.0	0.878847	Y
7	IC 410-663002/4	20.0	16.317656	5.0	463888.0	0.815883	Y
8	IC 410-663002/3	30.0	27.446456	5.0	356297.0	0.914882	Y



Calibration / 2-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

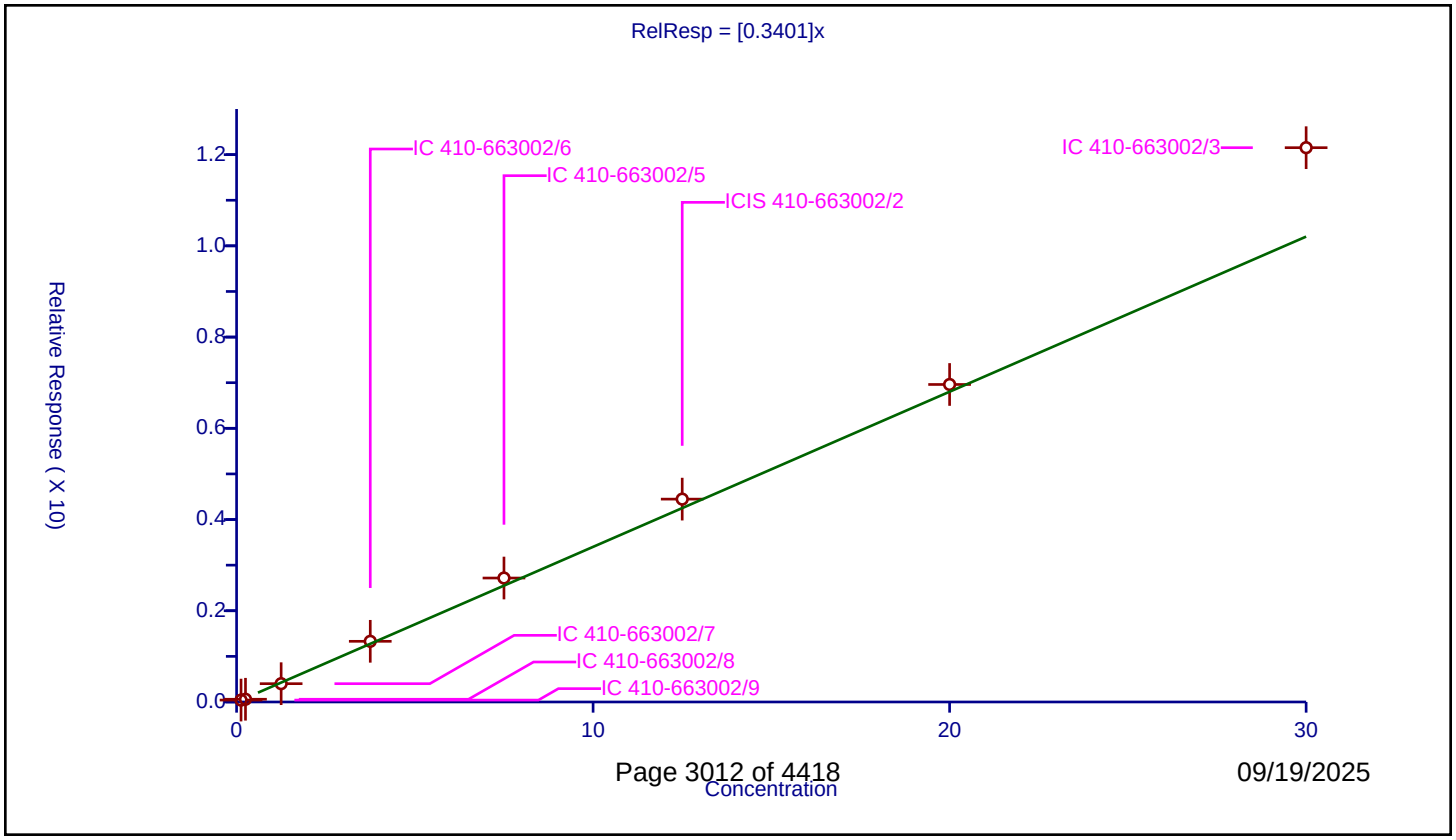
Curve Coefficients

Intercept:	0
Slope:	0.3401

Error Coefficients

Relative Standard Deviation:	13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.041734	5.0	328987.0	0.333873	Y
2	IC 410-663002/8	0.25	0.059919	5.0	347467.0	0.239677	Y
3	IC 410-663002/7	1.25	0.401351	5.0	340712.0	0.321081	Y
4	IC 410-663002/6	3.75	1.3305	5.0	385280.0	0.3548	Y
5	IC 410-663002/5	7.5	2.717895	5.0	332178.0	0.362386	Y
6	ICIS 410-663002/2	12.5	4.447403	5.0	372785.0	0.355792	Y
7	IC 410-663002/4	20.0	6.961034	5.0	463888.0	0.348052	Y
8	IC 410-663002/3	30.0	12.152362	5.0	356297.0	0.405079	Y



Calibration / 1,4-Naphthoquinone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

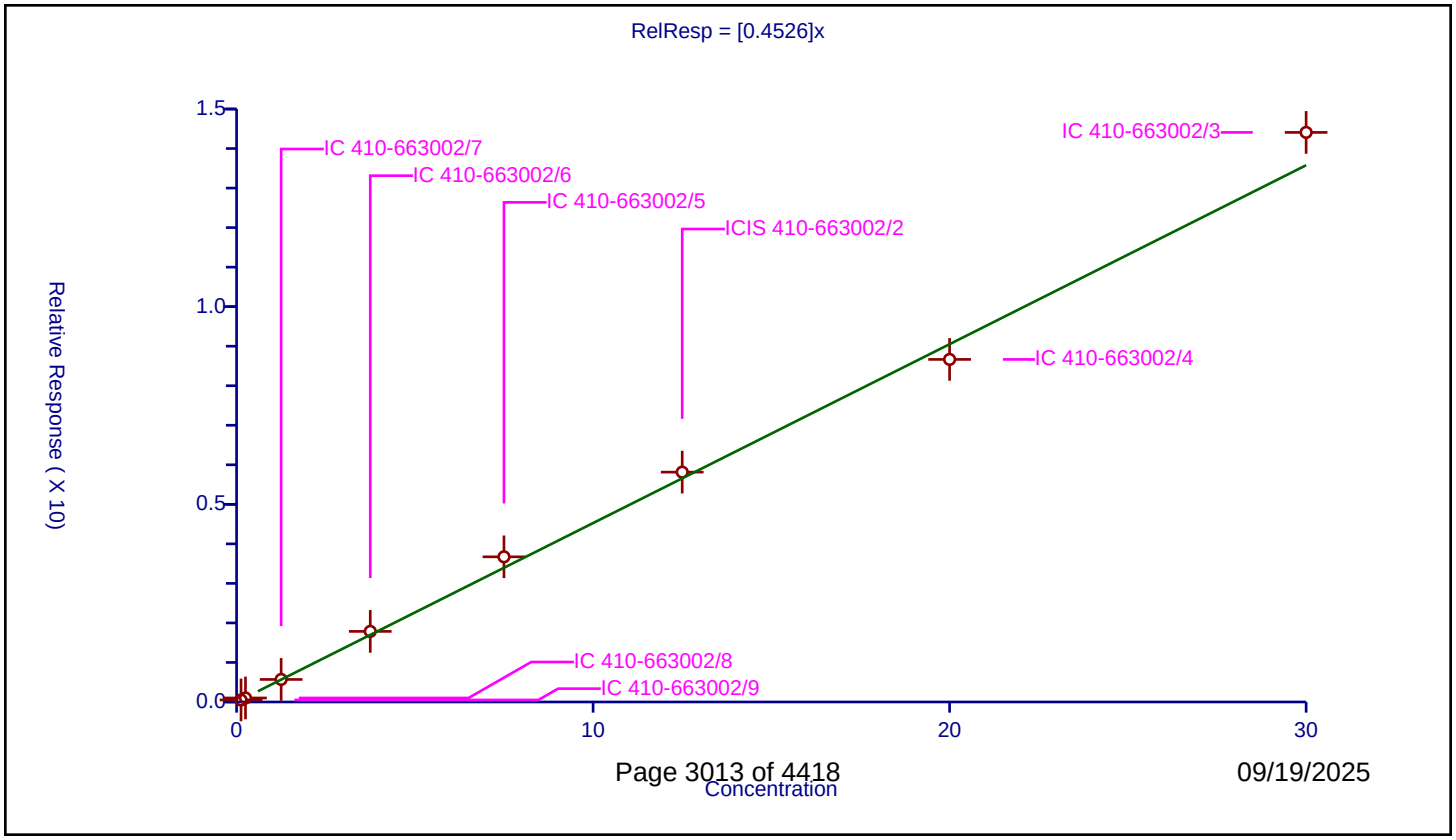
Curve Coefficients

Intercept:	0
Slope:	0.4526

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.051567	5.0	328987.0	0.412539	Y
2	IC 410-663002/8	0.25	0.101808	5.0	347467.0	0.407233	Y
3	IC 410-663002/7	1.25	0.570291	5.0	340712.0	0.456233	Y
4	IC 410-663002/6	3.75	1.785909	5.0	385280.0	0.476242	Y
5	IC 410-663002/5	7.5	3.671766	5.0	332178.0	0.489569	Y
6	ICIS 410-663002/2	12.5	5.814504	5.0	372785.0	0.46516	Y
7	IC 410-663002/4	20.0	8.665562	5.0	463888.0	0.433278	Y
8	IC 410-663002/3	30.0	14.408597	5.0	356297.0	0.480287	Y



Calibration / 1,4-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

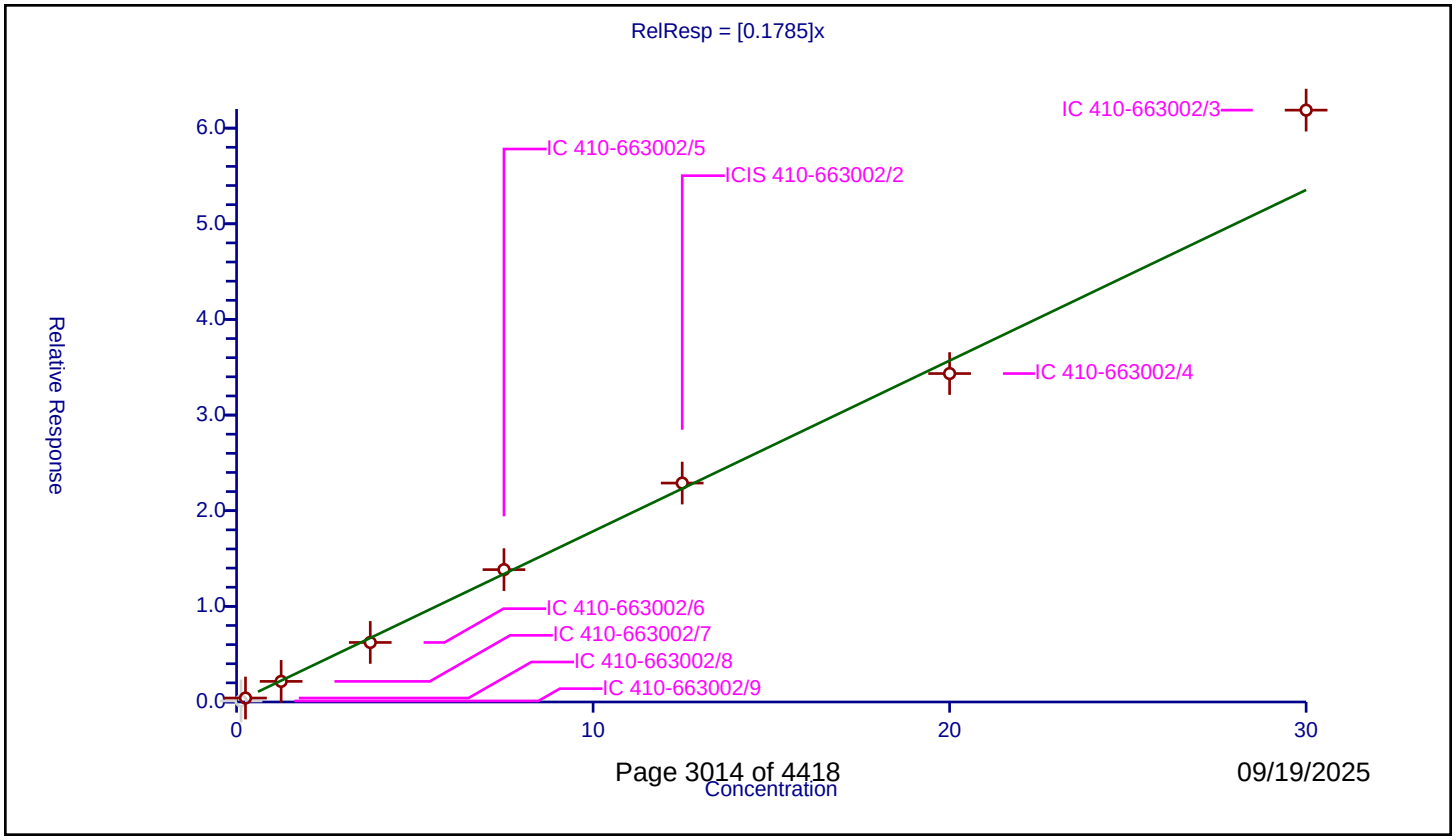
Curve Coefficients

Intercept:	0
Slope:	0.1785

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.011125	5.0	328987.0	0.089	N
2	IC 410-663002/8	0.25	0.041313	5.0	347467.0	0.165253	Y
3	IC 410-663002/7	1.25	0.215446	5.0	340712.0	0.172357	Y
4	IC 410-663002/6	3.75	0.622443	5.0	385280.0	0.165985	Y
5	IC 410-663002/5	7.5	1.383912	5.0	332178.0	0.184522	Y
6	ICIS 410-663002/2	12.5	2.289094	5.0	372785.0	0.183128	Y
7	IC 410-663002/4	20.0	3.434105	5.0	463888.0	0.171705	Y
8	IC 410-663002/3	30.0	6.188222	5.0	356297.0	0.206274	Y



Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

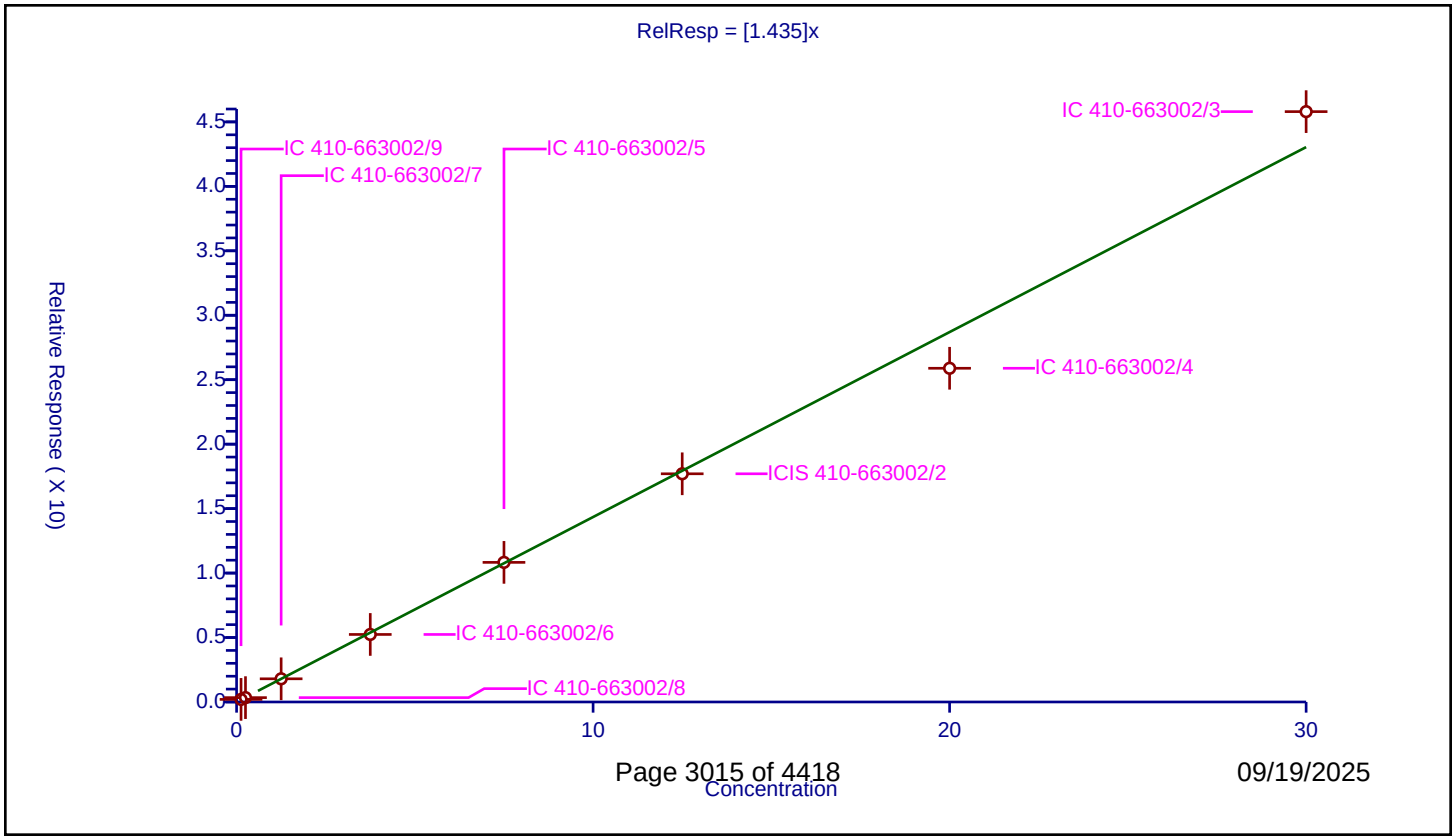
Curve Coefficients

Intercept:	0
Slope:	1.435

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.201239	5.0	328987.0	1.609912	Y
2	IC 410-663002/8	0.25	0.338046	5.0	347467.0	1.352186	Y
3	IC 410-663002/7	1.25	1.797911	5.0	340712.0	1.438329	Y
4	IC 410-663002/6	3.75	5.238826	5.0	385280.0	1.39702	Y
5	IC 410-663002/5	7.5	10.830383	5.0	332178.0	1.444051	Y
6	ICIS 410-663002/2	12.5	17.701879	5.0	372785.0	1.41615	Y
7	IC 410-663002/4	20.0	25.887369	5.0	463888.0	1.294368	Y
8	IC 410-663002/3	30.0	45.797158	5.0	356297.0	1.526572	Y



Calibration / 1,3-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

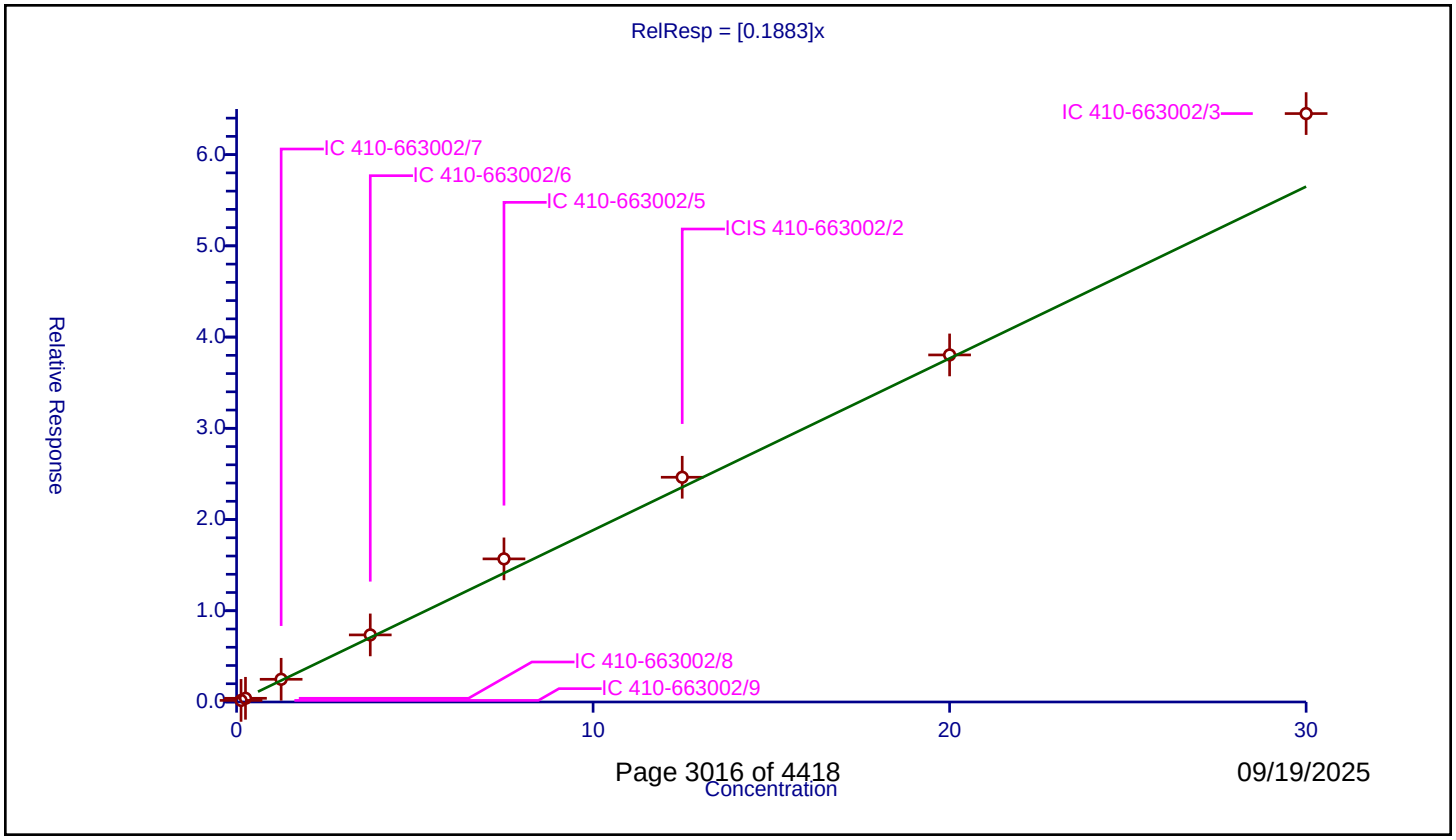
Curve Coefficients

Intercept:	0
Slope:	0.1883

Error Coefficients

Relative Standard Deviation:	13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.01728	5.0	328987.0	0.138243	Y
2	IC 410-663002/8	0.25	0.040421	5.0	347467.0	0.161684	Y
3	IC 410-663002/7	1.25	0.248876	5.0	340712.0	0.199101	Y
4	IC 410-663002/6	3.75	0.735413	5.0	385280.0	0.19611	Y
5	IC 410-663002/5	7.5	1.568722	5.0	332178.0	0.209163	Y
6	ICIS 410-663002/2	12.5	2.46339	5.0	372785.0	0.197071	Y
7	IC 410-663002/4	20.0	3.804173	5.0	463888.0	0.190209	Y
8	IC 410-663002/3	30.0	6.449914	5.0	356297.0	0.214997	Y



Calibration / 2,6-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

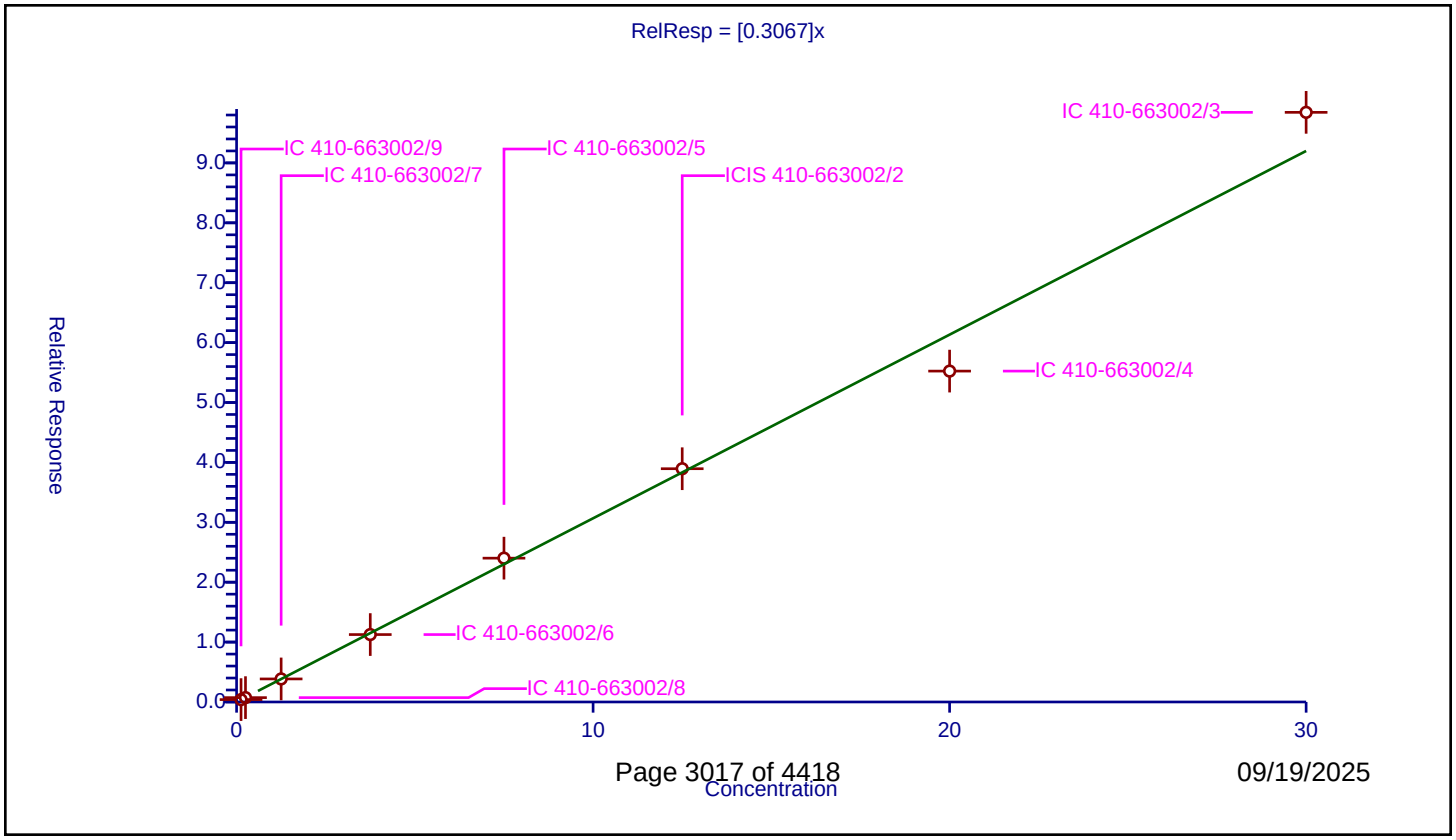
Curve Coefficients

Intercept:	0
Slope:	0.3067

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.039652	5.0	328987.0	0.317216	Y
2	IC 410-663002/8	0.25	0.072957	5.0	347467.0	0.291826	Y
3	IC 410-663002/7	1.25	0.384797	5.0	340712.0	0.307838	Y
4	IC 410-663002/6	3.75	1.125908	5.0	385280.0	0.300242	Y
5	IC 410-663002/5	7.5	2.401363	5.0	332178.0	0.320182	Y
6	ICIS 410-663002/2	12.5	3.894671	5.0	372785.0	0.311574	Y
7	IC 410-663002/4	20.0	5.524469	5.0	463888.0	0.276223	Y
8	IC 410-663002/3	30.0	9.844259	5.0	356297.0	0.328142	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

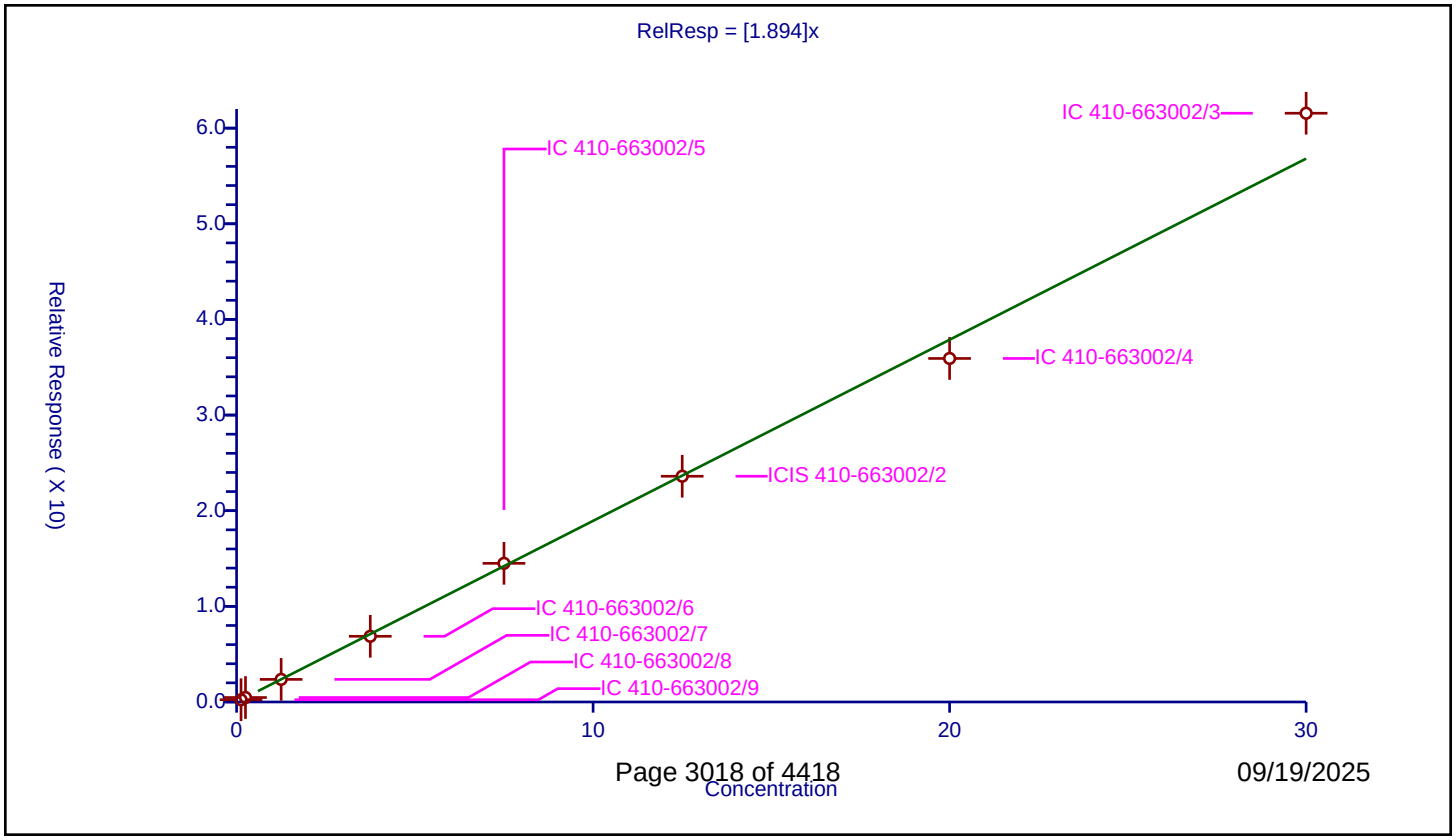
Curve Coefficients

Intercept:	0
Slope:	1.894

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.236347	5.0	328987.0	1.890774	Y
2	IC 410-663002/8	0.25	0.467095	5.0	347467.0	1.868379	Y
3	IC 410-663002/7	1.25	2.36176	5.0	340712.0	1.889408	Y
4	IC 410-663002/6	3.75	6.869459	5.0	385280.0	1.831856	Y
5	IC 410-663002/5	7.5	14.498447	5.0	332178.0	1.933126	Y
6	ICIS 410-663002/2	12.5	23.604423	5.0	372785.0	1.888354	Y
7	IC 410-663002/4	20.0	35.919834	5.0	463888.0	1.795992	Y
8	IC 410-663002/3	30.0	61.558222	5.0	356297.0	2.051941	Y



09/19/2025

Calibration / 3-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

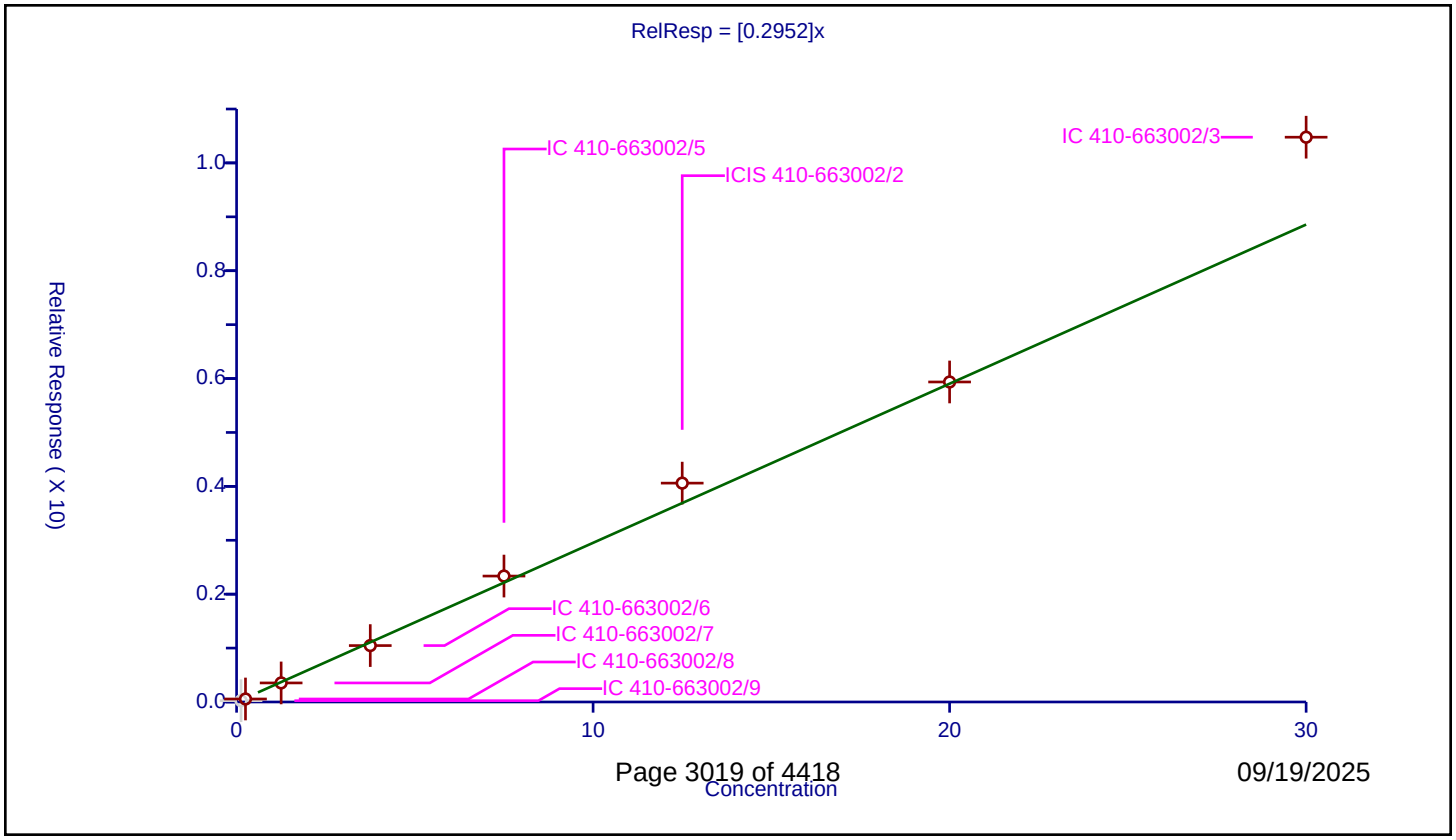
Curve Coefficients

Intercept:	0
Slope:	0.2952

Error Coefficients

Relative Standard Deviation:	13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.0238	5.0	328987.0	0.190403	N
2	IC 410-663002/8	0.25	0.055559	5.0	347467.0	0.222237	Y
3	IC 410-663002/7	1.25	0.353583	5.0	340712.0	0.282866	Y
4	IC 410-663002/6	3.75	1.046577	5.0	385280.0	0.279087	Y
5	IC 410-663002/5	7.5	2.336202	5.0	332178.0	0.311494	Y
6	ICIS 410-663002/2	12.5	4.059994	5.0	372785.0	0.3248	Y
7	IC 410-663002/4	20.0	5.936627	5.0	463888.0	0.296831	Y
8	IC 410-663002/3	30.0	10.476891	5.0	356297.0	0.34923	Y



09/19/2025

Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

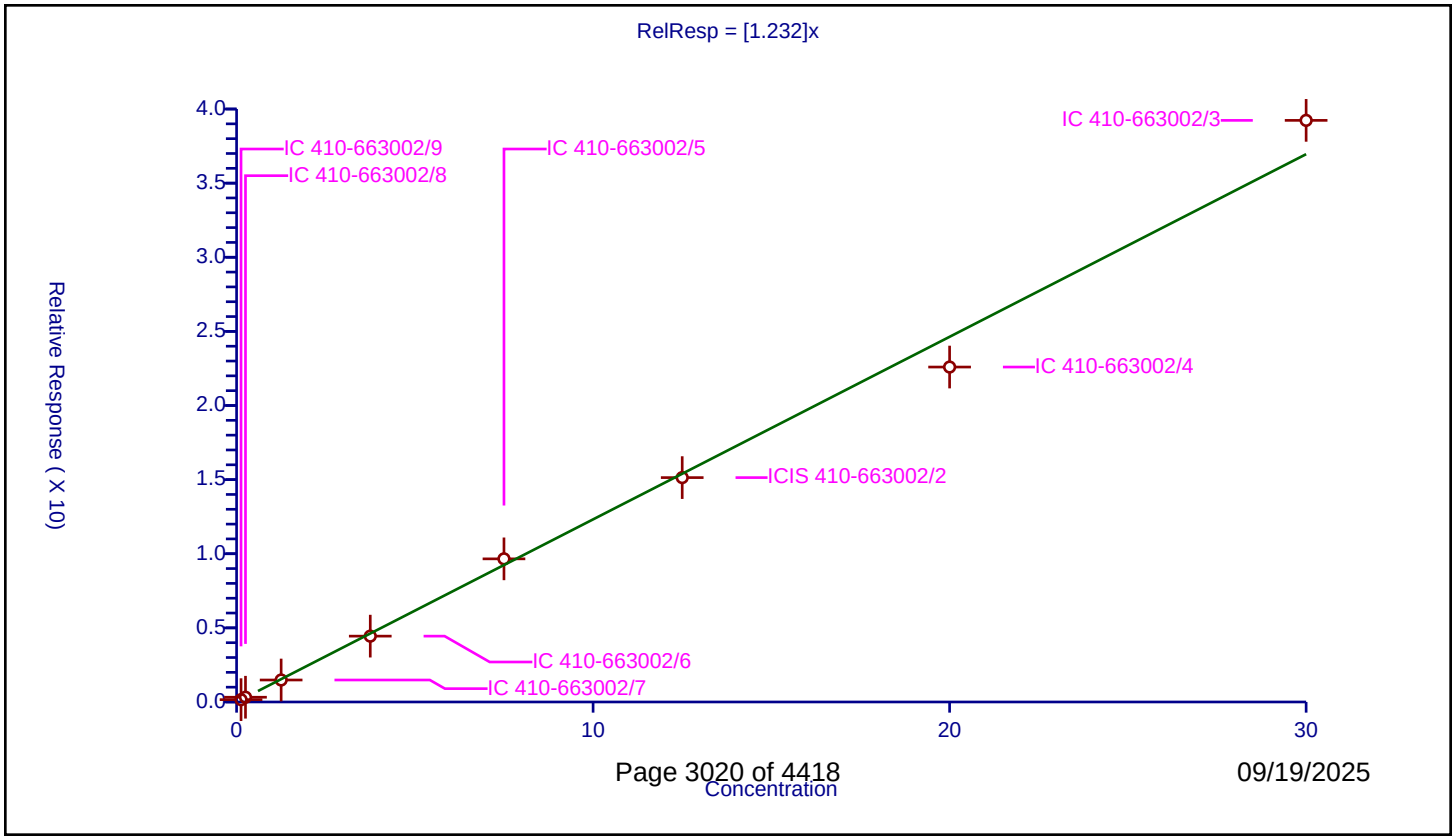
Curve Coefficients

Intercept:	0
Slope:	1.232

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.157651	5.0	328987.0	1.261205	Y
2	IC 410-663002/8	0.25	0.321599	5.0	347467.0	1.286396	Y
3	IC 410-663002/7	1.25	1.482293	5.0	340712.0	1.185834	Y
4	IC 410-663002/6	3.75	4.44225	5.0	385280.0	1.1846	Y
5	IC 410-663002/5	7.5	9.655832	5.0	332178.0	1.287444	Y
6	ICIS 410-663002/2	12.5	15.135762	5.0	372785.0	1.210861	Y
7	IC 410-663002/4	20.0	22.5947	5.0	463888.0	1.129735	Y
8	IC 410-663002/3	30.0	39.233168	5.0	356297.0	1.307772	Y



Calibration / 2,4-Dinitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

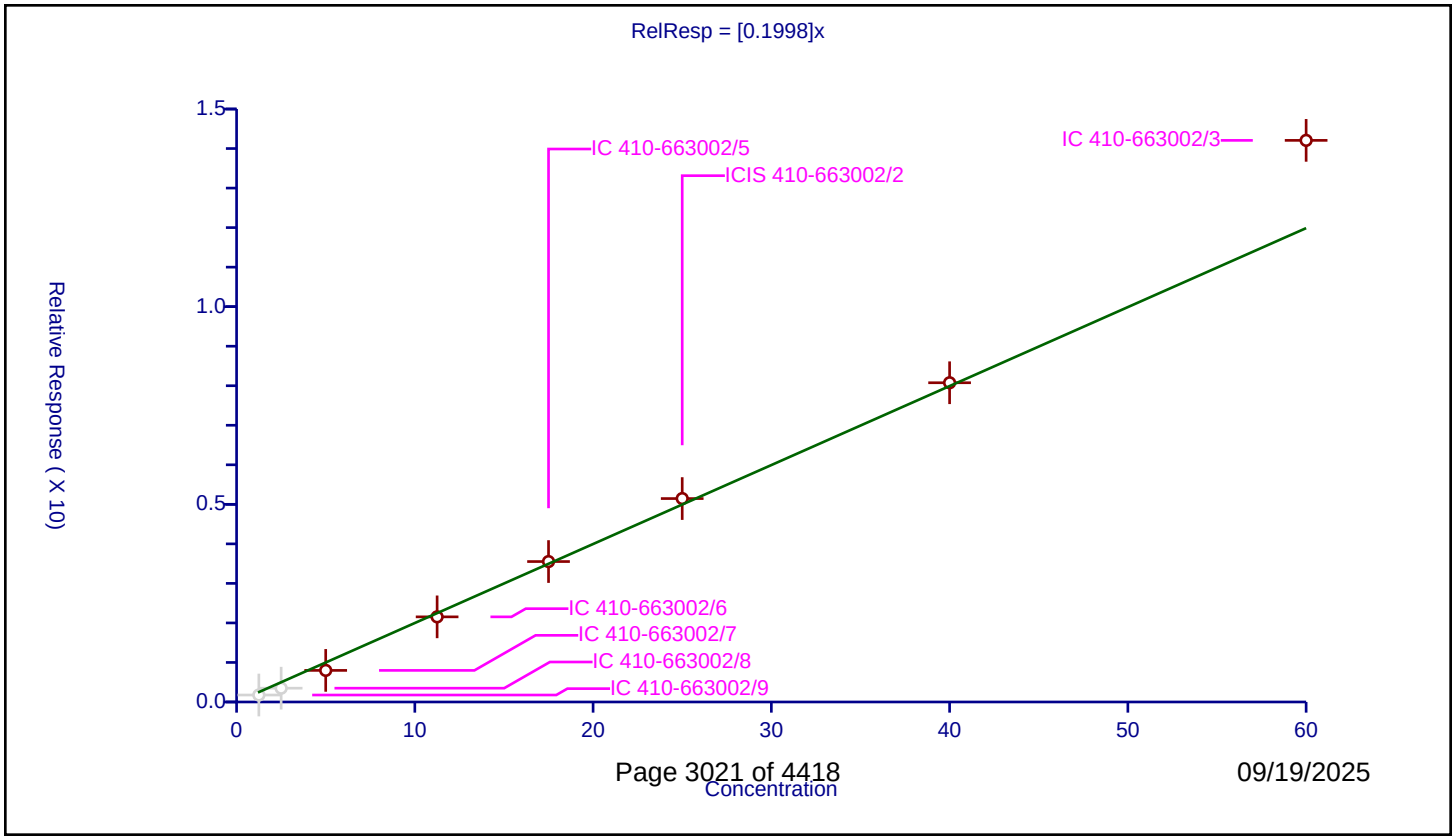
Curve Coefficients

Intercept:	0
Slope:	0.1998

Error Coefficients

Relative Standard Deviation:	12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	1.25	0.176314	5.0	328987.0	0.141051	N
2	IC 410-663002/8	2.5	0.348911	5.0	347467.0	0.139564	N
3	IC 410-663002/7	5.0	0.798783	5.0	340712.0	0.159757	Y
4	IC 410-663002/6	11.25	2.153616	5.0	385280.0	0.191432	Y
5	IC 410-663002/5	17.5	3.552463	5.0	332178.0	0.202998	Y
6	ICIS 410-663002/2	25.0	5.145955	5.0	372785.0	0.205838	Y
7	IC 410-663002/4	40.0	8.075365	5.0	463888.0	0.201884	Y
8	IC 410-663002/3	60.0	14.206827	5.0	356297.0	0.23678	Y



Calibration / Pentachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

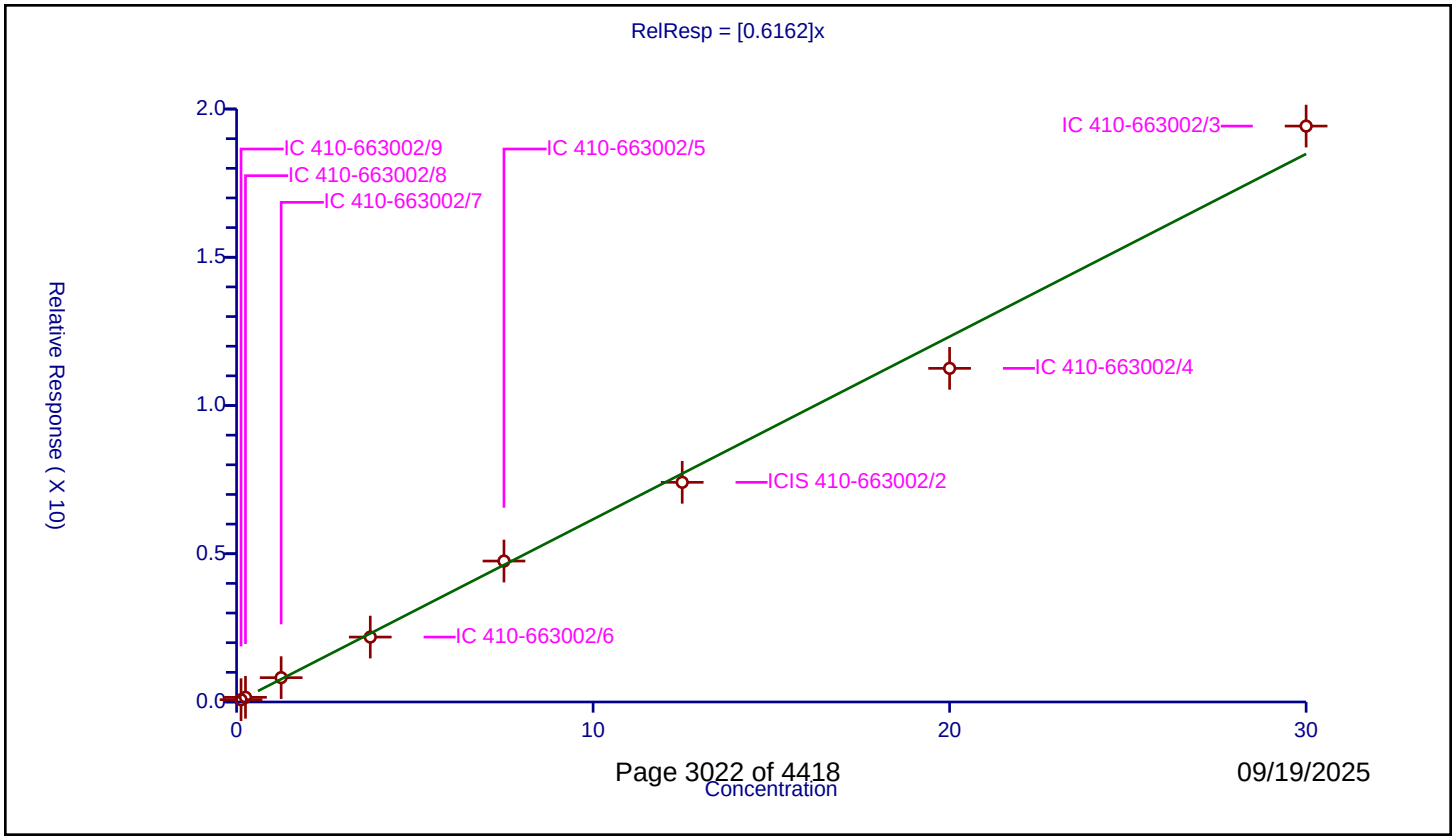
Curve Coefficients

Intercept:	0
Slope:	0.6162

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.077465	5.0	328987.0	0.619721	Y
2	IC 410-663002/8	0.25	0.158058	5.0	347467.0	0.632233	Y
3	IC 410-663002/7	1.25	0.821075	5.0	340712.0	0.65686	Y
4	IC 410-663002/6	3.75	2.189628	5.0	385280.0	0.583901	Y
5	IC 410-663002/5	7.5	4.754334	5.0	332178.0	0.633911	Y
6	ICIS 410-663002/2	12.5	7.409137	5.0	372785.0	0.592731	Y
7	IC 410-663002/4	20.0	11.253309	5.0	463888.0	0.562665	Y
8	IC 410-663002/3	30.0	19.424469	5.0	356297.0	0.647482	Y



Calibration / 4-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

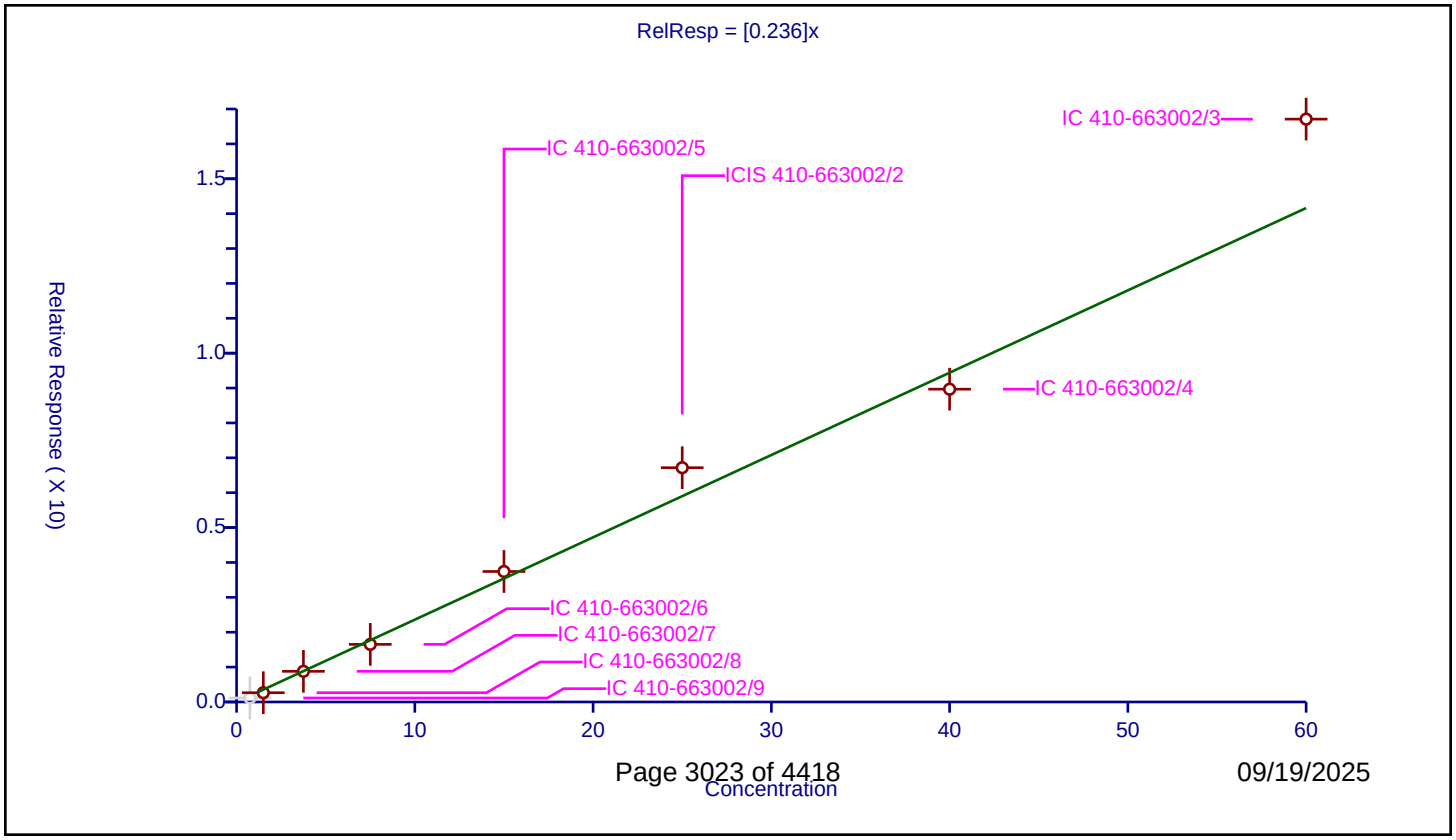
Curve Coefficients

Intercept:	0
Slope:	0.236

Error Coefficients

Relative Standard Deviation:	14.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.75	0.1154	5.0	328987.0	0.153866	N
2	IC 410-663002/8	1.5	0.265277	5.0	347467.0	0.176851	Y
3	IC 410-663002/7	3.75	0.878528	5.0	340712.0	0.234274	Y
4	IC 410-663002/6	7.5	1.651422	5.0	385280.0	0.22019	Y
5	IC 410-663002/5	15.0	3.741232	5.0	332178.0	0.249415	Y
6	ICIS 410-663002/2	25.0	6.716472	5.0	372785.0	0.268659	Y
7	IC 410-663002/4	40.0	8.968059	5.0	463888.0	0.224201	Y
8	IC 410-663002/3	60.0	16.709936	5.0	356297.0	0.278499	Y



09/19/2025

Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

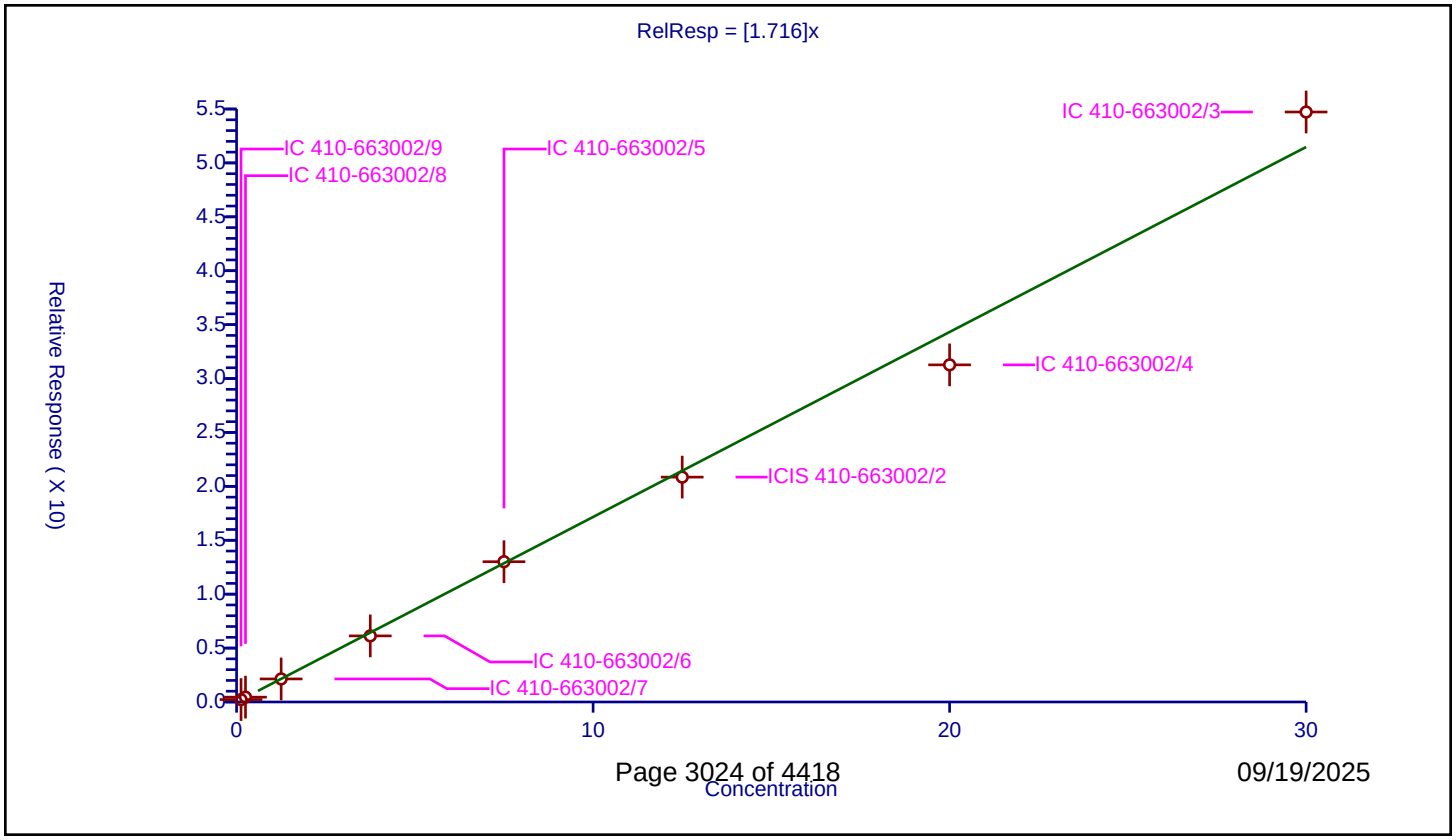
Curve Coefficients

Intercept:	0
Slope:	1.716

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.223778	5.0	328987.0	1.790223	Y
2	IC 410-663002/8	0.25	0.449913	5.0	347467.0	1.799653	Y
3	IC 410-663002/7	1.25	2.139182	5.0	340712.0	1.711346	Y
4	IC 410-663002/6	3.75	6.129698	5.0	385280.0	1.634586	Y
5	IC 410-663002/5	7.5	13.01209	5.0	332178.0	1.734945	Y
6	ICIS 410-663002/2	12.5	20.856231	5.0	372785.0	1.668498	Y
7	IC 410-663002/4	20.0	31.271212	5.0	463888.0	1.563561	Y
8	IC 410-663002/3	30.0	54.724177	5.0	356297.0	1.824139	Y



09/19/2025

Calibration / 2,4-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

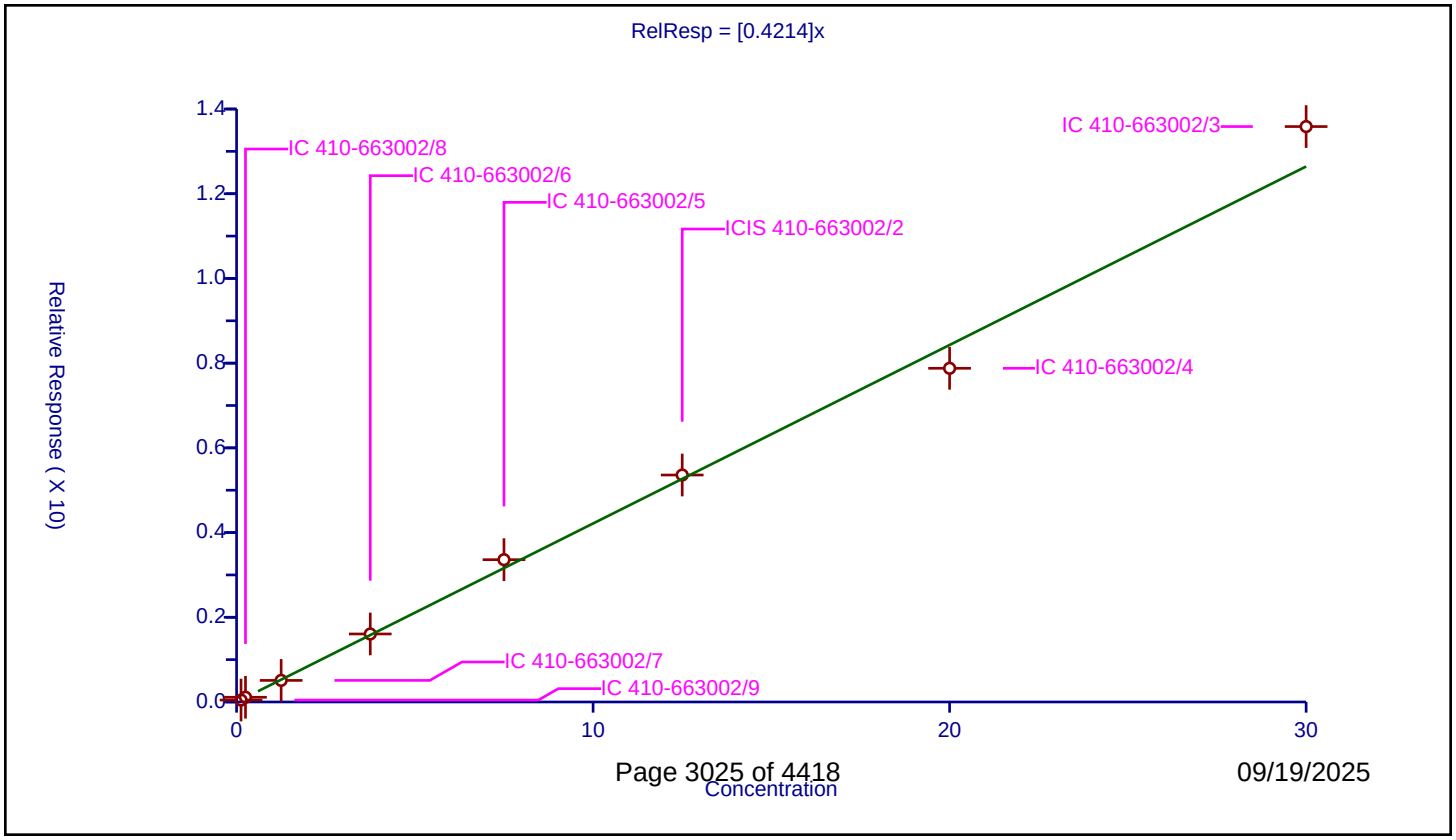
Curve Coefficients

Intercept:	0
Slope:	0.4214

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.045595	5.0	328987.0	0.364756	Y
2	IC 410-663002/8	0.25	0.111867	5.0	347467.0	0.447467	Y
3	IC 410-663002/7	1.25	0.509727	5.0	340712.0	0.407781	Y
4	IC 410-663002/6	3.75	1.60556	5.0	385280.0	0.428149	Y
5	IC 410-663002/5	7.5	3.359705	5.0	332178.0	0.447961	Y
6	ICIS 410-663002/2	12.5	5.358612	5.0	372785.0	0.428689	Y
7	IC 410-663002/4	20.0	7.878723	5.0	463888.0	0.393936	Y
8	IC 410-663002/3	30.0	13.585674	5.0	356297.0	0.452856	Y



Calibration / 1-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

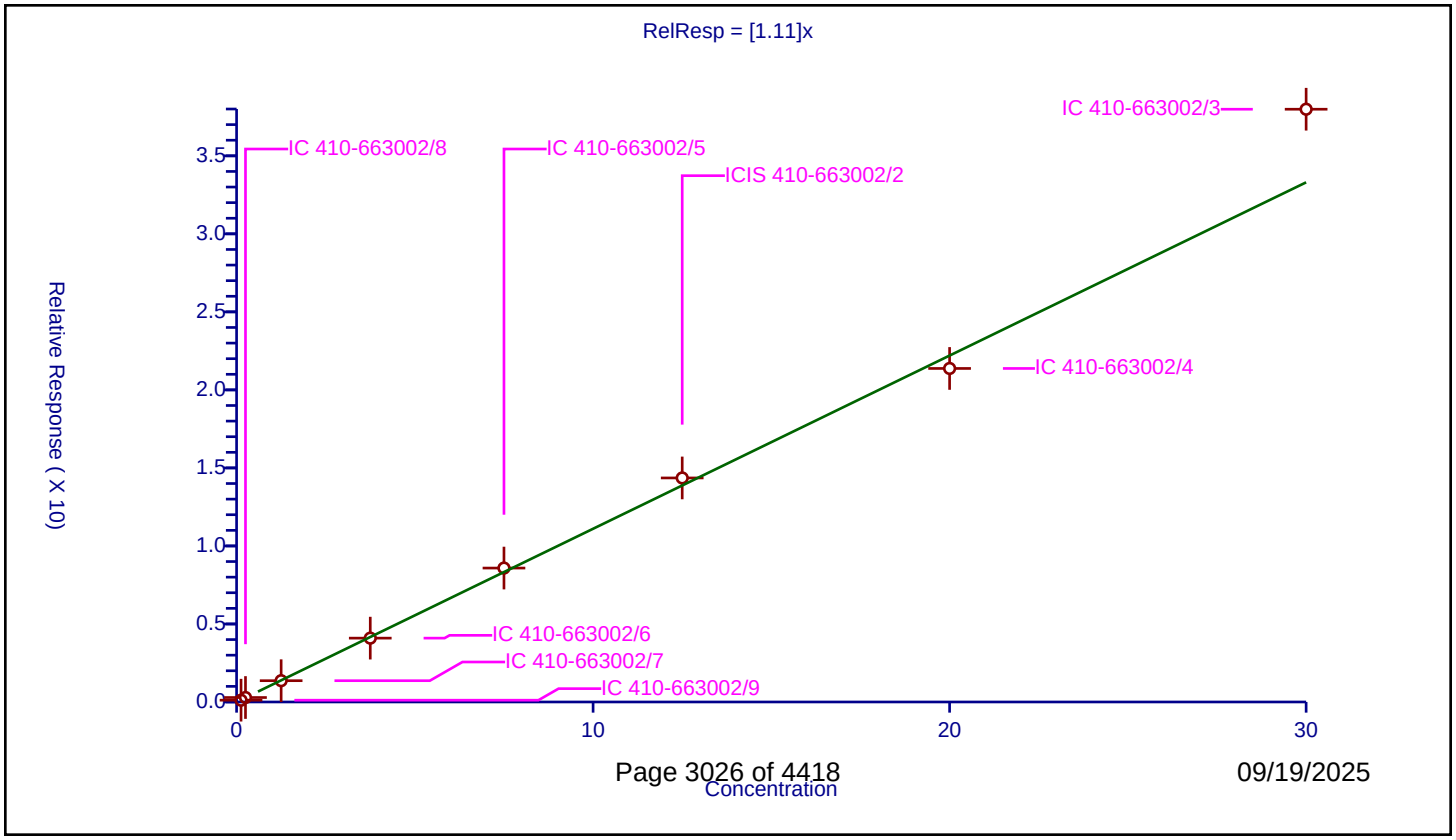
Curve Coefficients

Intercept:	0
Slope:	1.11

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.115491	5.0	328987.0	0.923927	Y
2	IC 410-663002/8	0.25	0.286243	5.0	347467.0	1.144972	Y
3	IC 410-663002/7	1.25	1.365391	5.0	340712.0	1.092313	Y
4	IC 410-663002/6	3.75	4.091687	5.0	385280.0	1.091116	Y
5	IC 410-663002/5	7.5	8.582462	5.0	332178.0	1.144328	Y
6	ICIS 410-663002/2	12.5	14.356935	5.0	372785.0	1.148555	Y
7	IC 410-663002/4	20.0	21.374545	5.0	463888.0	1.068727	Y
8	IC 410-663002/3	30.0	37.986792	5.0	356297.0	1.266226	Y



09/19/2025

Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

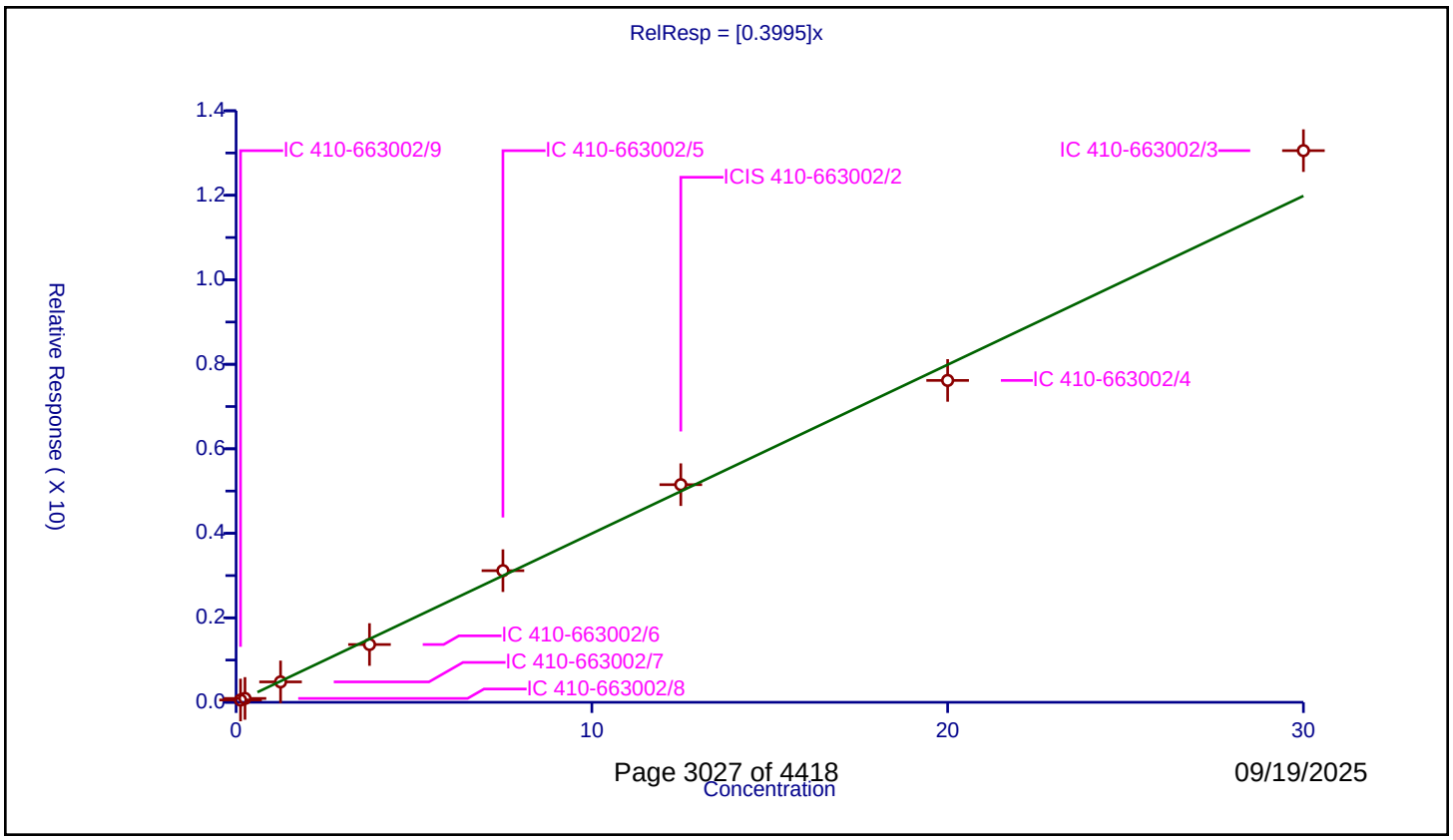
Curve Coefficients

Intercept:	0
Slope:	0.3995

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.054364	5.0	328987.0	0.434911	Y
2	IC 410-663002/8	0.25	0.091591	5.0	347467.0	0.366366	Y
3	IC 410-663002/7	1.25	0.482901	5.0	340712.0	0.38632	Y
4	IC 410-663002/6	3.75	1.36772	5.0	385280.0	0.364725	Y
5	IC 410-663002/5	7.5	3.115378	5.0	332178.0	0.415384	Y
6	ICIS 410-663002/2	12.5	5.151334	5.0	372785.0	0.412107	Y
7	IC 410-663002/4	20.0	7.617647	5.0	463888.0	0.380882	Y
8	IC 410-663002/3	30.0	13.05592	5.0	356297.0	0.435197	Y



Calibration / 2-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

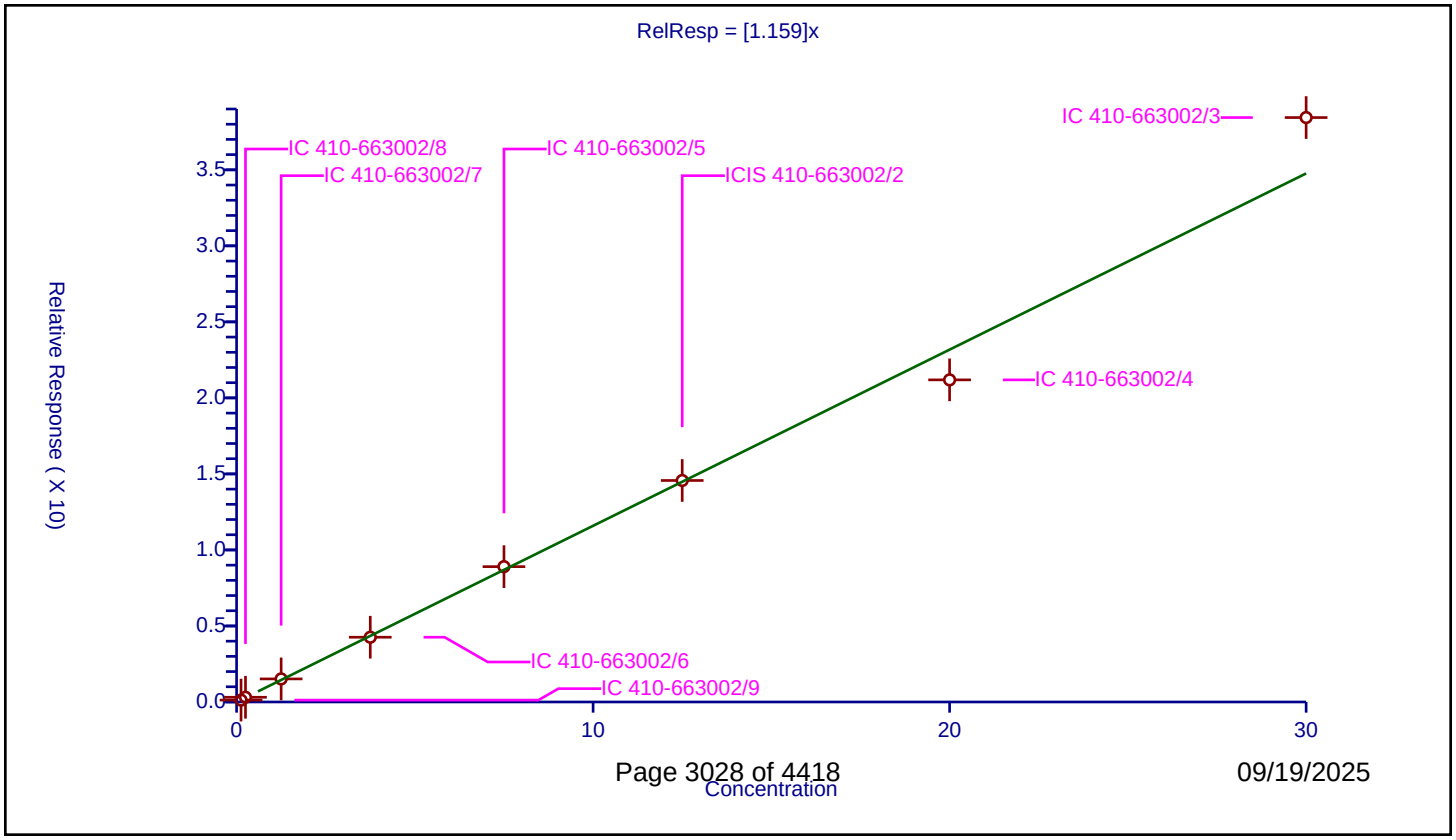
Curve Coefficients

Intercept:	0
Slope:	1.159

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.122862	5.0	328987.0	0.982896	Y
2	IC 410-663002/8	0.25	0.311094	5.0	347467.0	1.244377	Y
3	IC 410-663002/7	1.25	1.517455	5.0	340712.0	1.213964	Y
4	IC 410-663002/6	3.75	4.258591	5.0	385280.0	1.135624	Y
5	IC 410-663002/5	7.5	8.902245	5.0	332178.0	1.186966	Y
6	ICIS 410-663002/2	12.5	14.568156	5.0	372785.0	1.165452	Y
7	IC 410-663002/4	20.0	21.185782	5.0	463888.0	1.059289	Y
8	IC 410-663002/3	30.0	38.438269	5.0	356297.0	1.281276	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

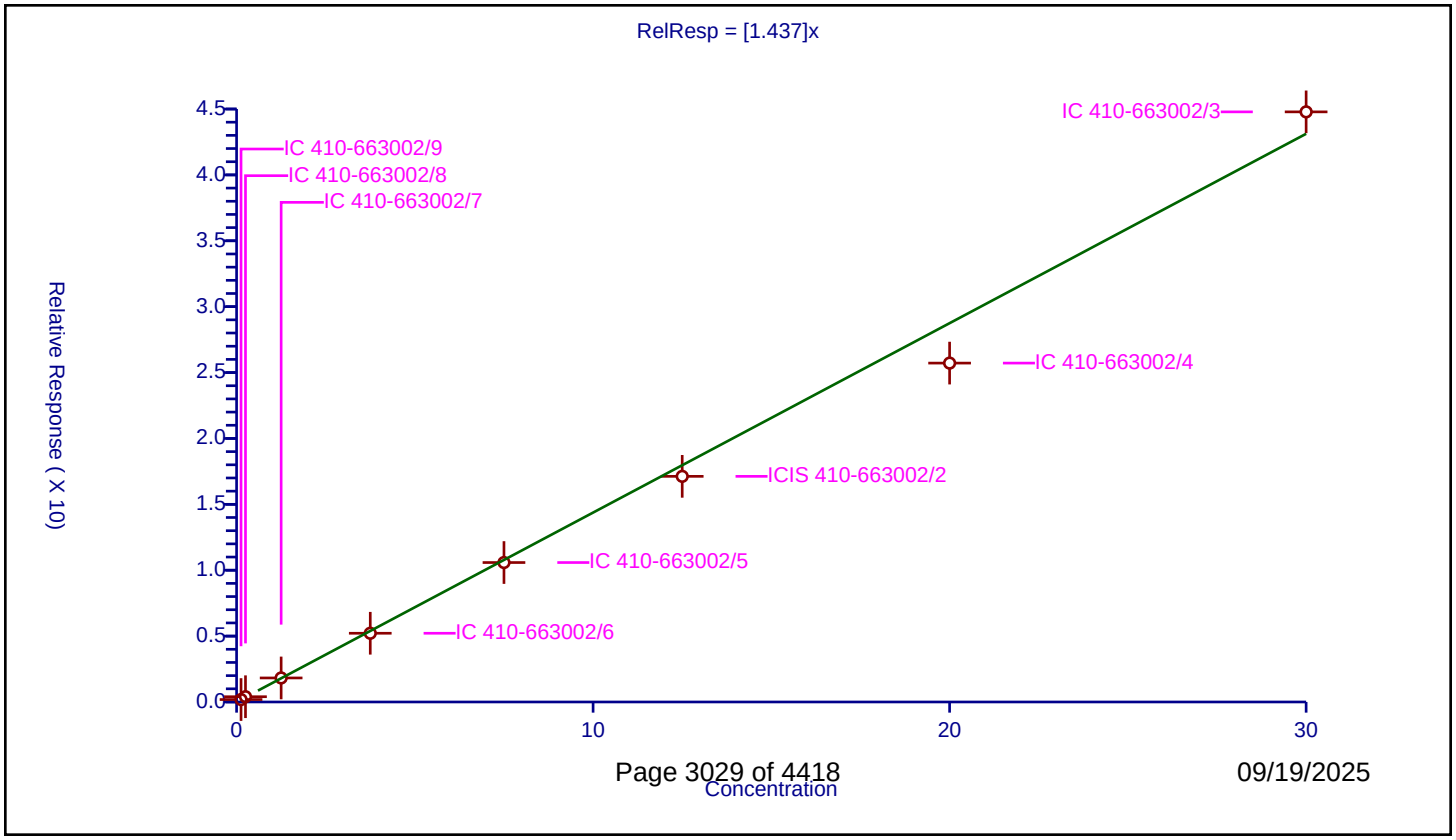
Curve Coefficients

Intercept:	0
Slope:	1.437

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.18598	5.0	328987.0	1.48784	Y
2	IC 410-663002/8	0.25	0.400254	5.0	347467.0	1.601015	Y
3	IC 410-663002/7	1.25	1.82393	5.0	340712.0	1.459144	Y
4	IC 410-663002/6	3.75	5.216661	5.0	385280.0	1.391109	Y
5	IC 410-663002/5	7.5	10.58279	5.0	332178.0	1.411039	Y
6	ICIS 410-663002/2	12.5	17.123959	5.0	372785.0	1.369917	Y
7	IC 410-663002/4	20.0	25.717533	5.0	463888.0	1.285877	Y
8	IC 410-663002/3	30.0	44.783846	5.0	356297.0	1.492795	Y



09/19/2025

Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

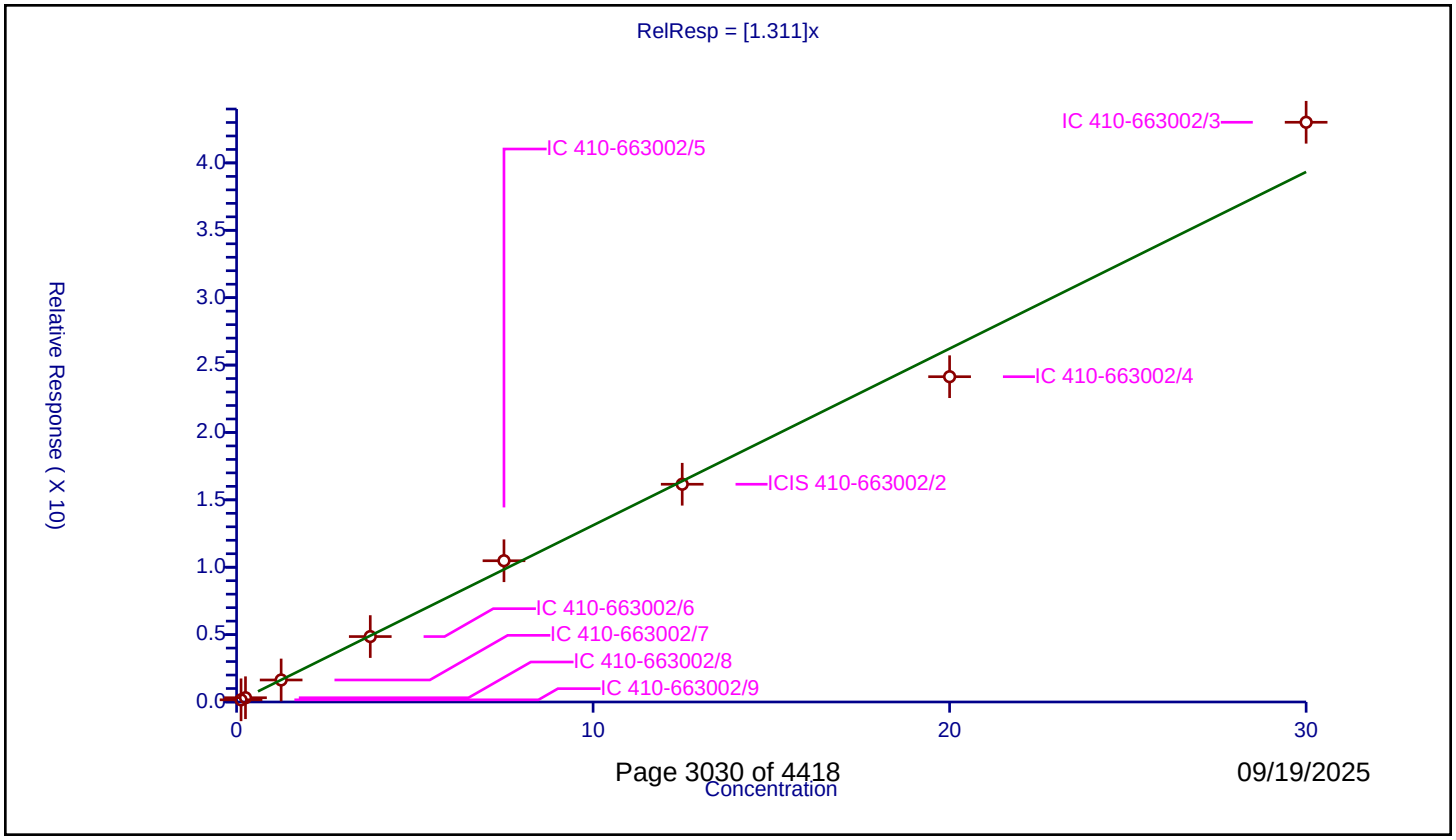
Curve Coefficients

Intercept:	0
Slope:	1.311

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.161541	5.0	328987.0	1.292331	Y
2	IC 410-663002/8	0.25	0.315814	5.0	347467.0	1.263257	Y
3	IC 410-663002/7	1.25	1.634328	5.0	340712.0	1.307462	Y
4	IC 410-663002/6	3.75	4.854586	5.0	385280.0	1.294556	Y
5	IC 410-663002/5	7.5	10.480917	5.0	332178.0	1.397456	Y
6	ICIS 410-663002/2	12.5	16.158121	5.0	372785.0	1.29265	Y
7	IC 410-663002/4	20.0	24.137335	5.0	463888.0	1.206867	Y
8	IC 410-663002/3	30.0	43.016584	5.0	356297.0	1.433886	Y



Calibration / Thionazin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

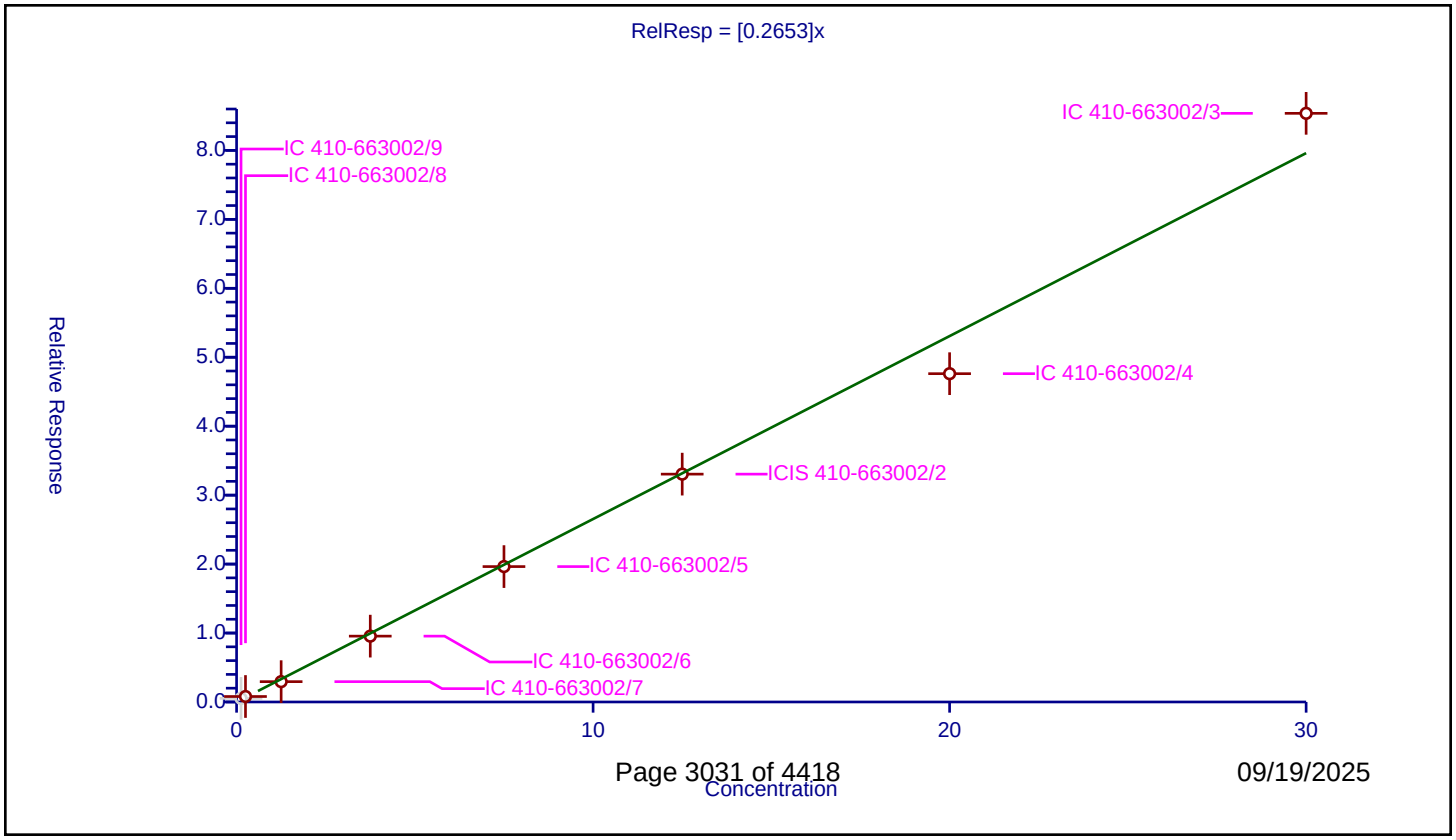
Curve Coefficients

Intercept:	0
Slope:	0.2653

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.052282	5.0	328987.0	0.418254	N
2	IC 410-663002/8	0.25	0.079475	5.0	347467.0	0.317901	Y
3	IC 410-663002/7	1.25	0.294912	5.0	340712.0	0.235929	Y
4	IC 410-663002/6	3.75	0.955046	5.0	385280.0	0.254679	Y
5	IC 410-663002/5	7.5	1.963917	5.0	332178.0	0.261856	Y
6	ICIS 410-663002/2	12.5	3.304706	5.0	372785.0	0.264377	Y
7	IC 410-663002/4	20.0	4.761419	5.0	463888.0	0.238071	Y
8	IC 410-663002/3	30.0	8.537246	5.0	356297.0	0.284575	Y



Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

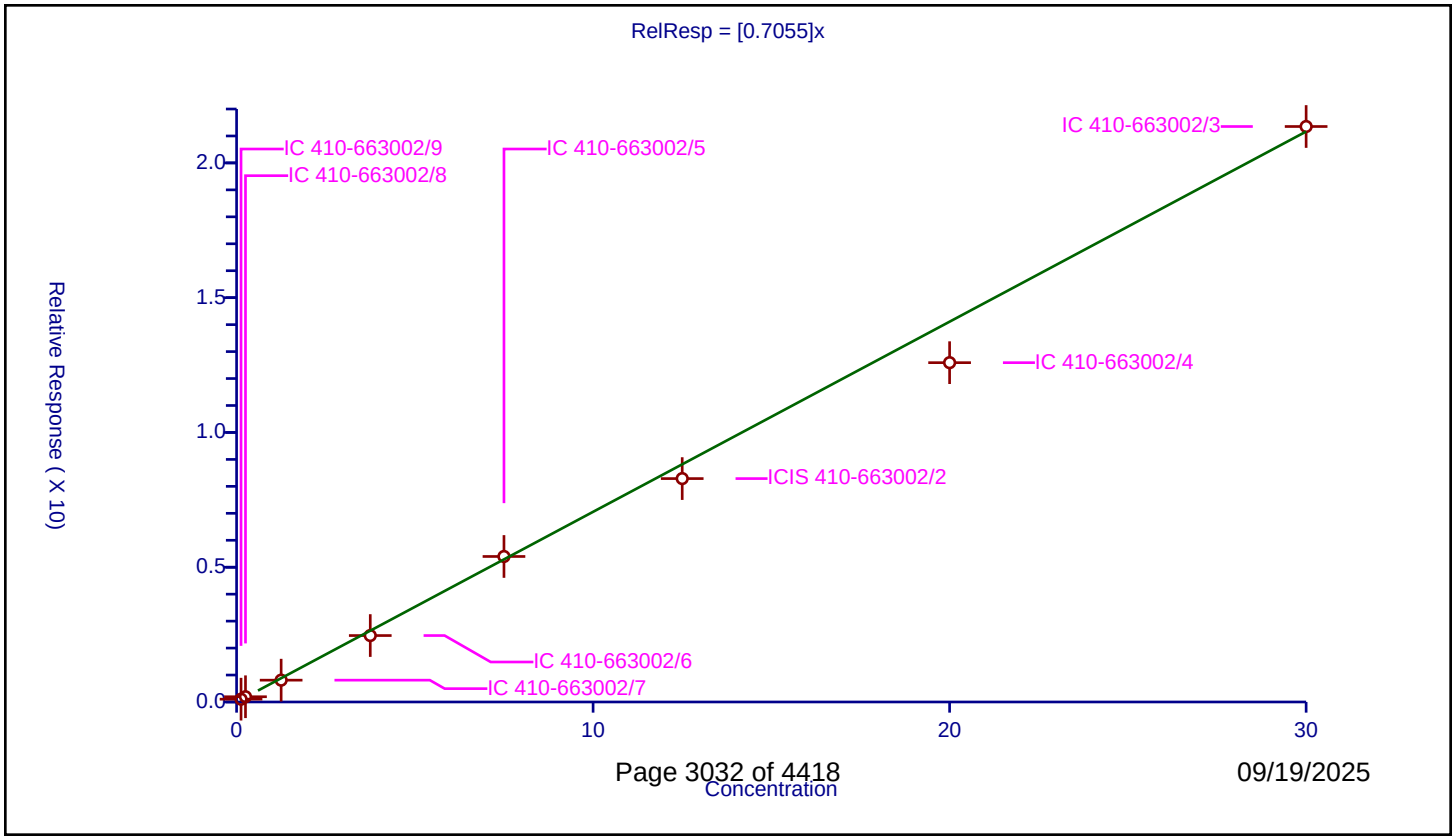
Curve Coefficients

Intercept:	0
Slope:	0.7055

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.104548	5.0	328987.0	0.836386	Y
2	IC 410-663002/8	0.25	0.194493	5.0	347467.0	0.777973	Y
3	IC 410-663002/7	1.25	0.809966	5.0	340712.0	0.647972	Y
4	IC 410-663002/6	3.75	2.465168	5.0	385280.0	0.657378	Y
5	IC 410-663002/5	7.5	5.39816	5.0	332178.0	0.719755	Y
6	ICIS 410-663002/2	12.5	8.288638	5.0	372785.0	0.663091	Y
7	IC 410-663002/4	20.0	12.589407	5.0	463888.0	0.62947	Y
8	IC 410-663002/3	30.0	21.350643	5.0	356297.0	0.711688	Y



Calibration / N-Nitro-o-toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

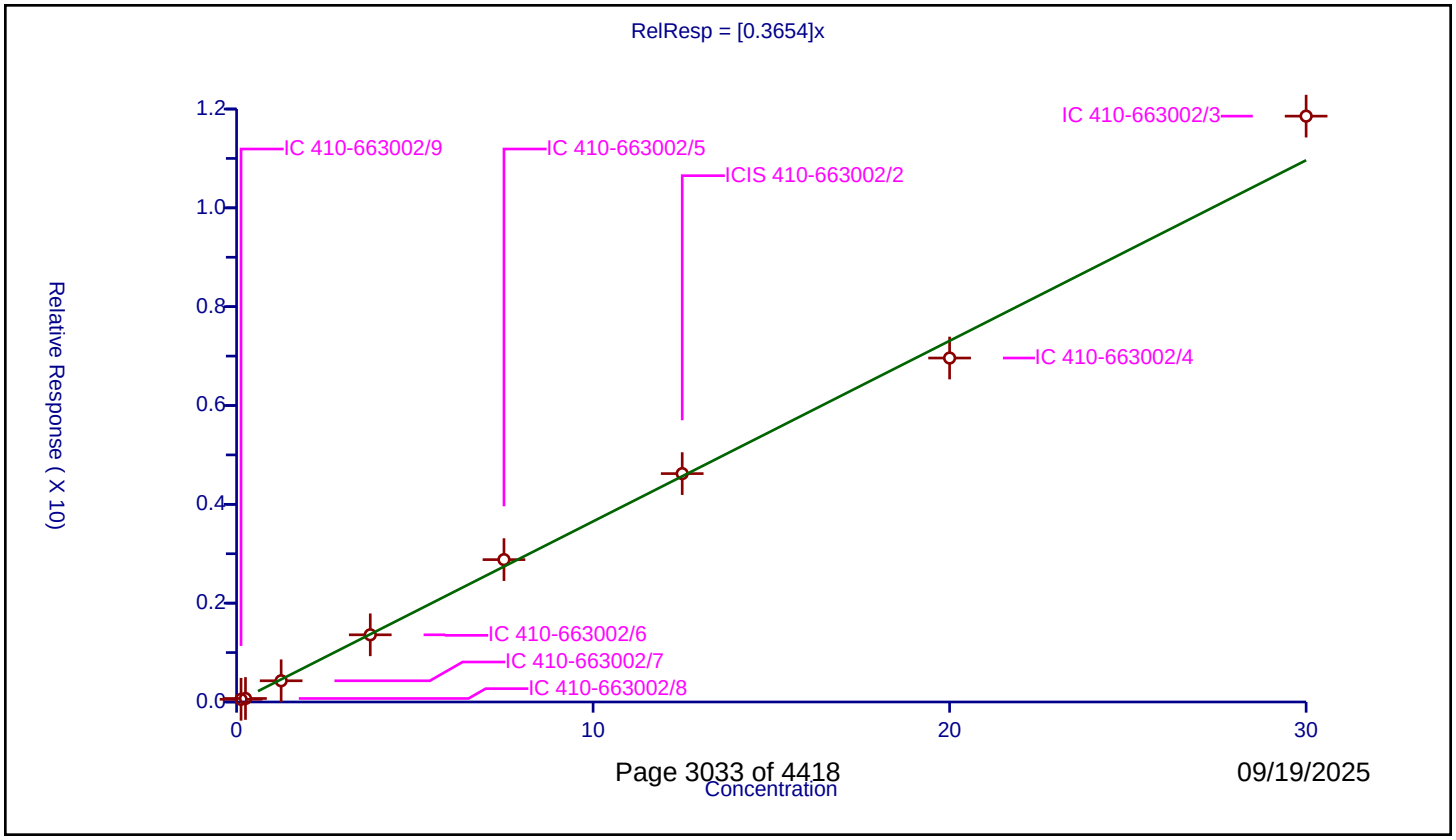
Curve Coefficients

Intercept:	0
Slope:	0.3654

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.054501	5.0	328987.0	0.436005	Y
2	IC 410-663002/8	0.25	0.071143	5.0	347467.0	0.284574	Y
3	IC 410-663002/7	1.25	0.429219	5.0	340712.0	0.343375	Y
4	IC 410-663002/6	3.75	1.359414	5.0	385280.0	0.36251	Y
5	IC 410-663002/5	7.5	2.88082	5.0	332178.0	0.384109	Y
6	ICIS 410-663002/2	12.5	4.62186	5.0	372785.0	0.369749	Y
7	IC 410-663002/4	20.0	6.960646	5.0	463888.0	0.348032	Y
8	IC 410-663002/3	30.0	11.856134	5.0	356297.0	0.395204	Y



Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

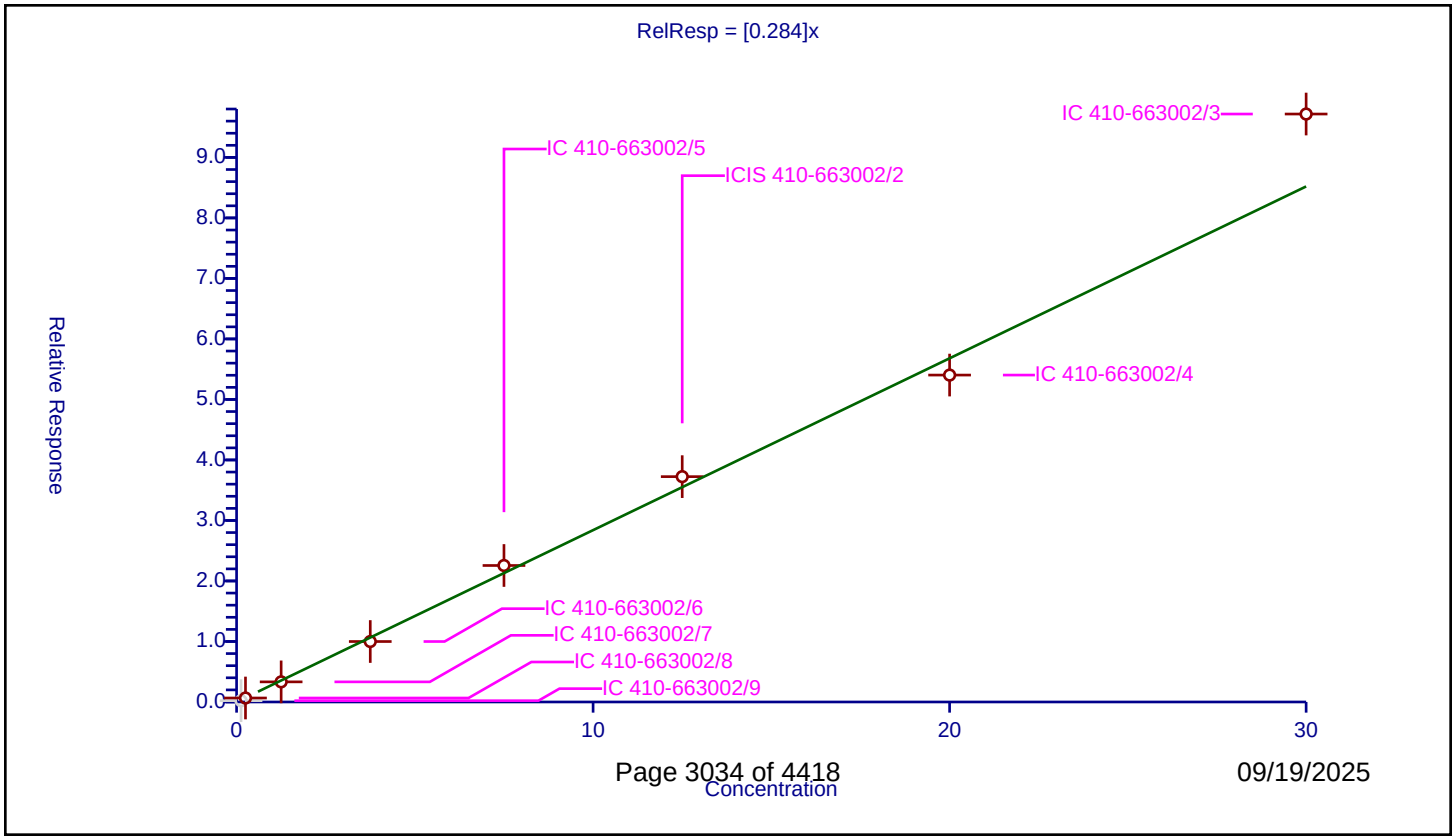
Curve Coefficients

Intercept:	0
Slope:	0.284

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.021505	5.0	328987.0	0.172043	N
2	IC 410-663002/8	0.25	0.065675	5.0	347467.0	0.262701	Y
3	IC 410-663002/7	1.25	0.332671	5.0	340712.0	0.266137	Y
4	IC 410-663002/6	3.75	0.999118	5.0	385280.0	0.266431	Y
5	IC 410-663002/5	7.5	2.255779	5.0	332178.0	0.30077	Y
6	ICIS 410-663002/2	12.5	3.724184	5.0	372785.0	0.297935	Y
7	IC 410-663002/4	20.0	5.402748	5.0	463888.0	0.270137	Y
8	IC 410-663002/3	30.0	9.716964	5.0	356297.0	0.323899	Y



Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

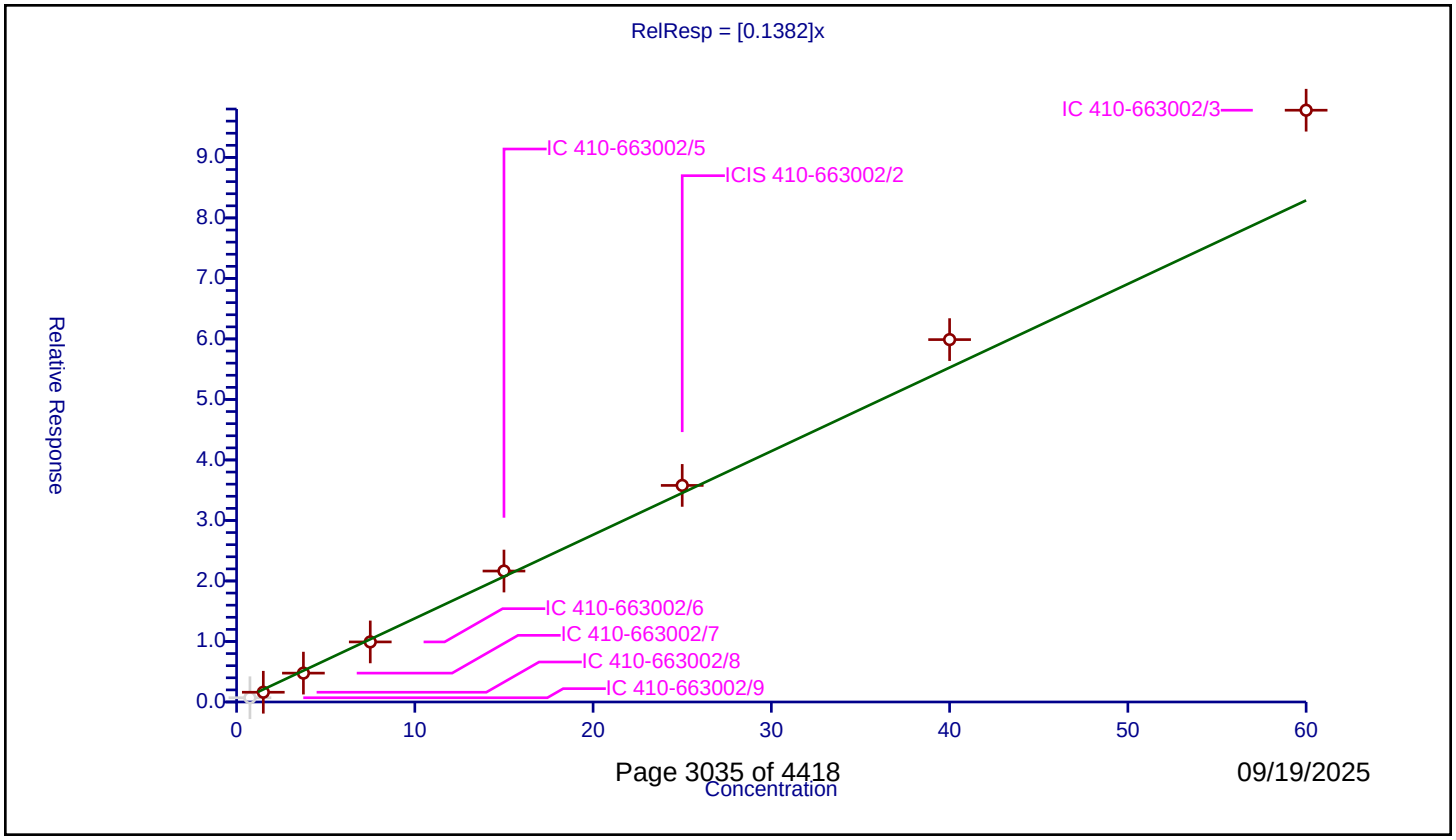
Curve Coefficients

Intercept:	0
Slope:	0.1382

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.75	0.070421	5.0	625812.0	0.093894	N
2	IC 410-663002/8	1.5	0.161199	5.0	656733.0	0.107466	Y
3	IC 410-663002/7	3.75	0.476888	5.0	644669.0	0.12717	Y
4	IC 410-663002/6	7.5	0.992719	5.0	668905.0	0.132363	Y
5	IC 410-663002/5	15.0	2.164274	5.0	624422.0	0.144285	Y
6	ICIS 410-663002/2	25.0	3.579273	5.0	667007.0	0.143171	Y
7	IC 410-663002/4	40.0	5.98932	5.0	768983.0	0.149733	Y
8	IC 410-663002/3	60.0	9.780061	5.0	650020.0	0.163001	Y



09/19/2025

Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

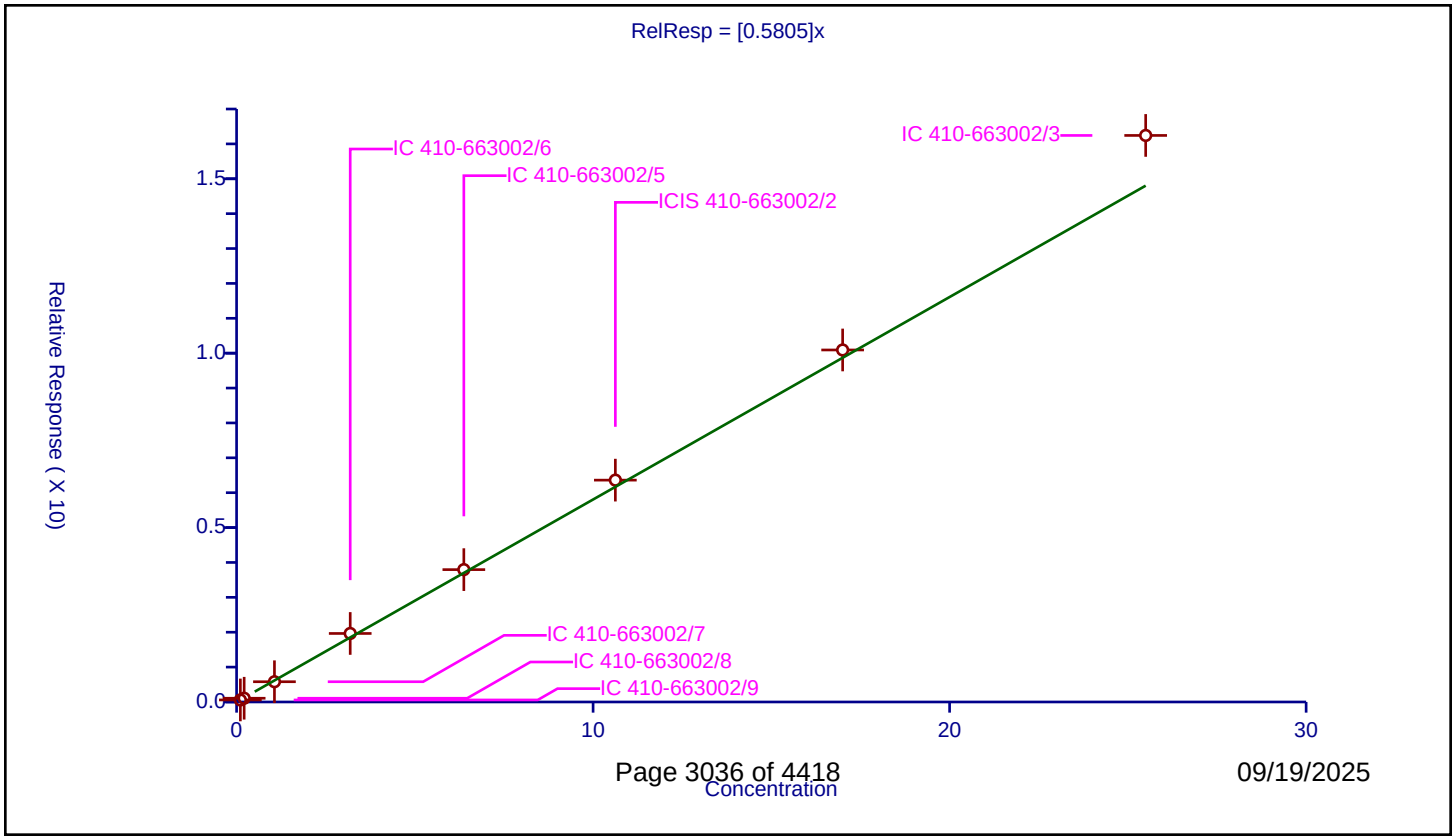
Curve Coefficients

Intercept:	0
Slope:	0.5805

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.10625	0.058596	5.0	625812.0	0.551491	Y
2	IC 410-663002/8	0.2125	0.107365	5.0	656733.0	0.505246	Y
3	IC 410-663002/7	1.0625	0.580569	5.0	644669.0	0.546418	Y
4	IC 410-663002/6	3.1875	1.964203	5.0	668905.0	0.61622	Y
5	IC 410-663002/5	6.375	3.794845	5.0	624422.0	0.59527	Y
6	ICIS 410-663002/2	10.625	6.360278	5.0	667007.0	0.598614	Y
7	IC 410-663002/4	17.0	10.091771	5.0	768983.0	0.593634	Y
8	IC 410-663002/3	25.5	16.242239	5.0	650020.0	0.636951	Y



Calibration / 1,2-Diphenylhydrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

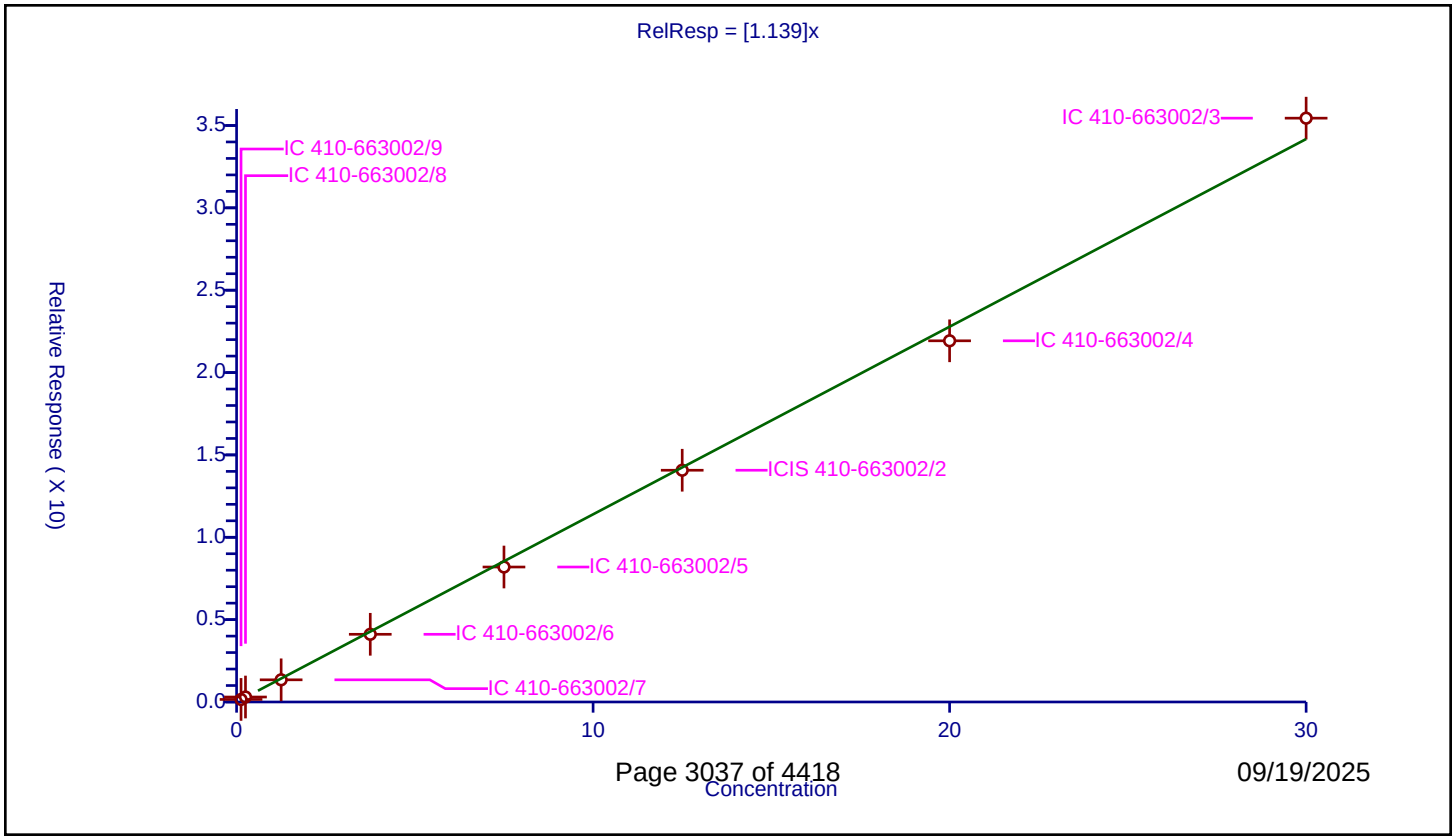
Curve Coefficients

Intercept:	0
Slope:	1.139

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.154367	5.0	625812.0	1.23494	Y
2	IC 410-663002/8	0.25	0.302383	5.0	656733.0	1.209533	Y
3	IC 410-663002/7	1.25	1.346893	5.0	644669.0	1.077514	Y
4	IC 410-663002/6	3.75	4.109492	5.0	668905.0	1.095865	Y
5	IC 410-663002/5	7.5	8.193585	5.0	624422.0	1.092478	Y
6	ICIS 410-663002/2	12.5	14.068765	5.0	667007.0	1.125501	Y
7	IC 410-663002/4	20.0	21.928027	5.0	768983.0	1.096401	Y
8	IC 410-663002/3	30.0	35.444886	5.0	650020.0	1.181496	Y



Calibration / 2,4,6-Tribromophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

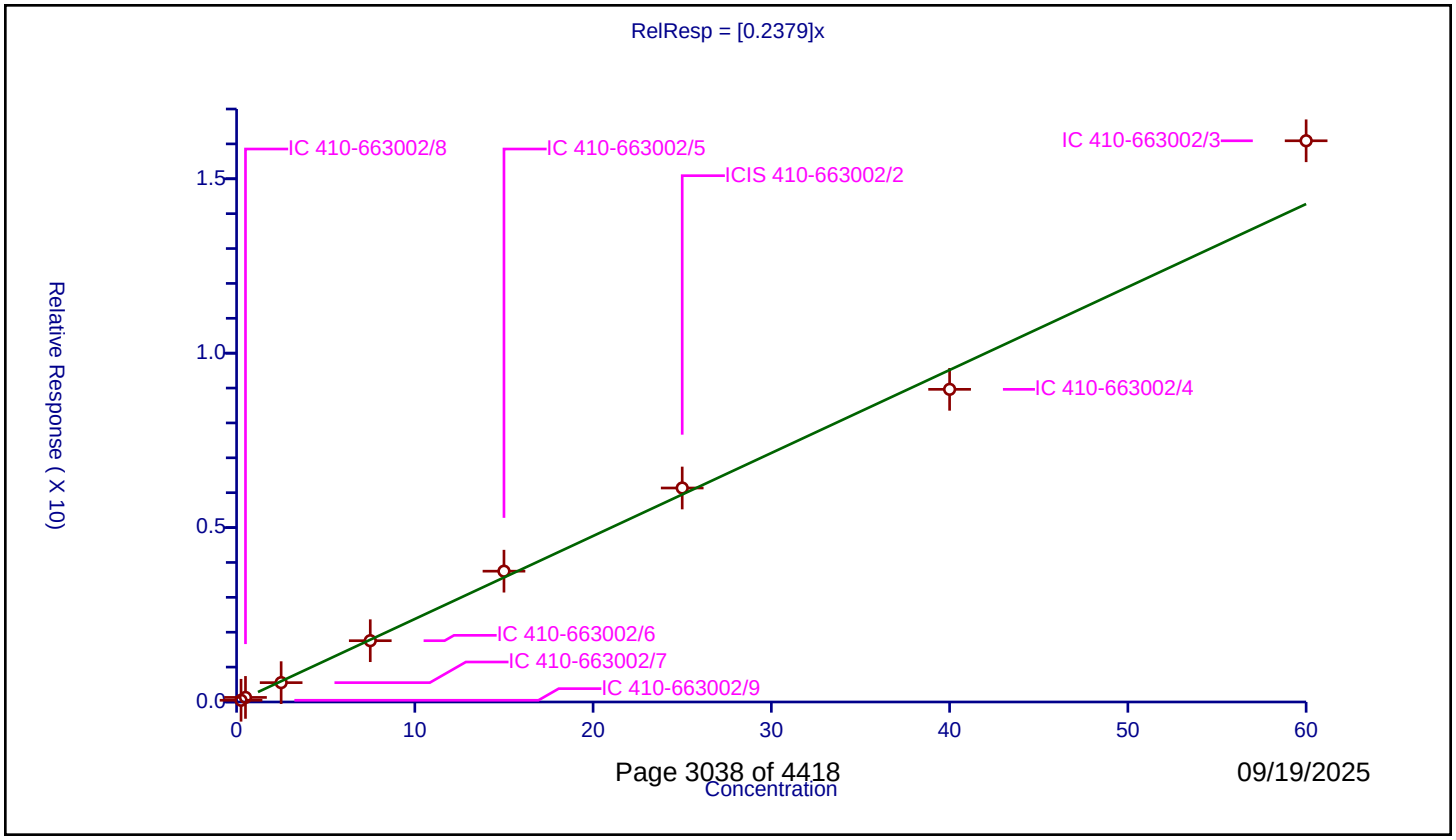
Curve Coefficients

Intercept:	0
Slope:	0.2379

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.25	0.049212	5.0	328987.0	0.196847	Y
2	IC 410-663002/8	0.5	0.131437	5.0	347467.0	0.262874	Y
3	IC 410-663002/7	2.5	0.554853	5.0	340712.0	0.221941	Y
4	IC 410-663002/6	7.5	1.75693	5.0	385280.0	0.234257	Y
5	IC 410-663002/5	15.0	3.750474	5.0	332178.0	0.250032	Y
6	ICIS 410-663002/2	25.0	6.134501	5.0	372785.0	0.24538	Y
7	IC 410-663002/4	40.0	8.963715	5.0	463888.0	0.224093	Y
8	IC 410-663002/3	60.0	16.08919	5.0	356297.0	0.268153	Y



09/19/2025

Calibration / Sulfotepp

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

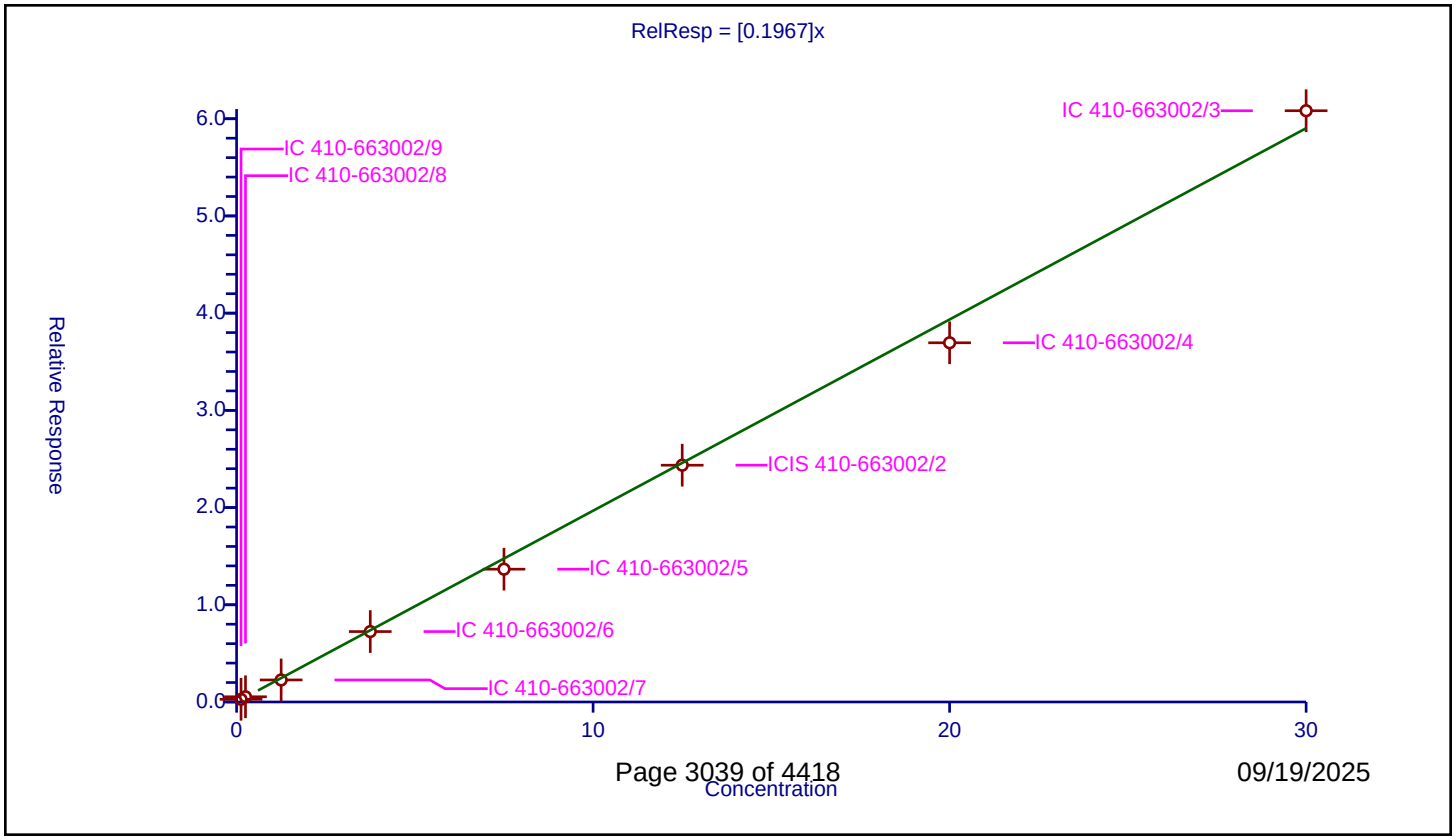
Curve Coefficients

Intercept:	0
Slope:	0.1967

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.027572	5.0	625812.0	0.220577	Y
2	IC 410-663002/8	0.25	0.053568	5.0	656733.0	0.214273	Y
3	IC 410-663002/7	1.25	0.226705	5.0	644669.0	0.181364	Y
4	IC 410-663002/6	3.75	0.724311	5.0	668905.0	0.19315	Y
5	IC 410-663002/5	7.5	1.366368	5.0	624422.0	0.182182	Y
6	ICIS 410-663002/2	12.5	2.435911	5.0	667007.0	0.194873	Y
7	IC 410-663002/4	20.0	3.695348	5.0	768983.0	0.184767	Y
8	IC 410-663002/3	30.0	6.082336	5.0	650020.0	0.202745	Y



Calibration / cis-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

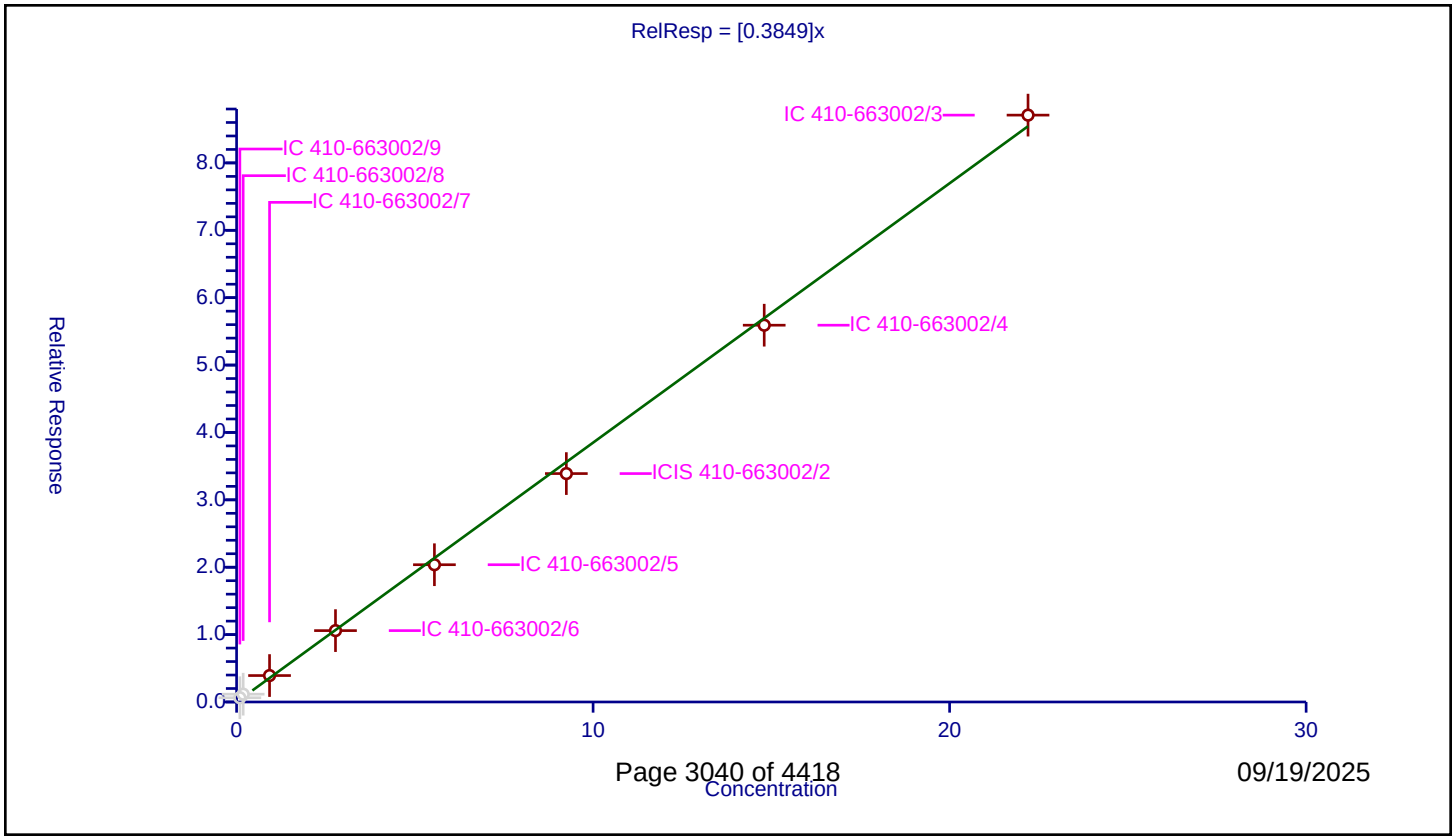
Curve Coefficients

Intercept:	0
Slope:	0.3849

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.0925	0.062958	5.0	625812.0	0.680629	N
2	IC 410-663002/8	0.185	0.115648	5.0	656733.0	0.625125	N
3	IC 410-663002/7	0.925	0.392186	5.0	644669.0	0.423985	Y
4	IC 410-663002/6	2.775	1.059014	5.0	668905.0	0.381627	Y
5	IC 410-663002/5	5.55	2.037276	5.0	624422.0	0.367077	Y
6	ICIS 410-663002/2	9.25	3.389852	5.0	667007.0	0.36647	Y
7	IC 410-663002/4	14.8	5.591834	5.0	768983.0	0.377827	Y
8	IC 410-663002/3	22.2	8.709209	5.0	650020.0	0.392307	Y



Calibration / Phorate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

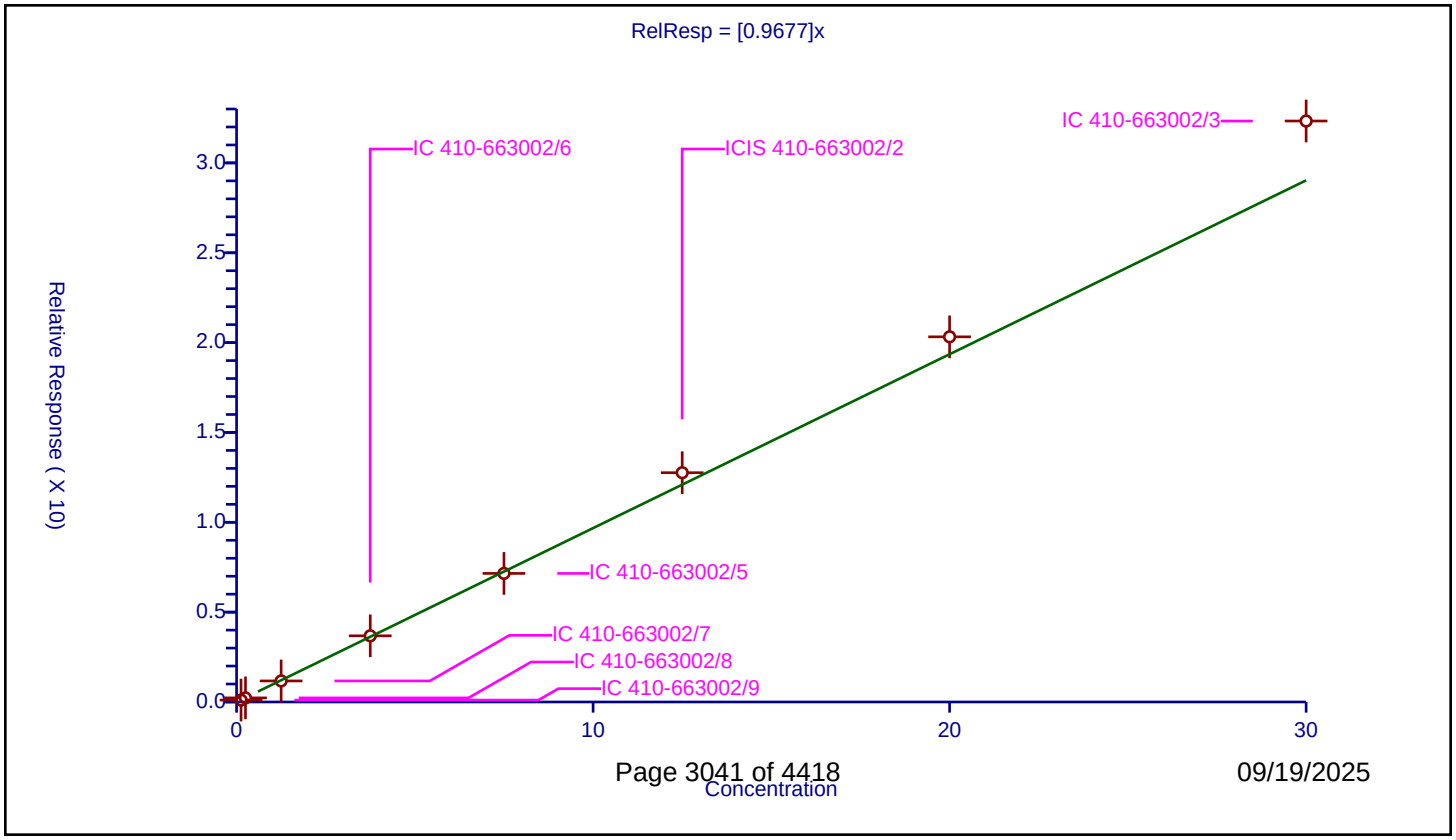
Curve Coefficients

Intercept:	0
Slope:	0.9677

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.105607	5.0	625812.0	0.844854	Y
2	IC 410-663002/8	0.25	0.22717	5.0	656733.0	0.90868	Y
3	IC 410-663002/7	1.25	1.171578	5.0	644669.0	0.937262	Y
4	IC 410-663002/6	3.75	3.682332	5.0	668905.0	0.981955	Y
5	IC 410-663002/5	7.5	7.154593	5.0	624422.0	0.953946	Y
6	ICIS 410-663002/2	12.5	12.759896	5.0	667007.0	1.020792	Y
7	IC 410-663002/4	20.0	20.321132	5.0	768983.0	1.016057	Y
8	IC 410-663002/3	30.0	32.331421	5.0	650020.0	1.077714	Y



09/19/2025

Calibration / 1,3,5-Trinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

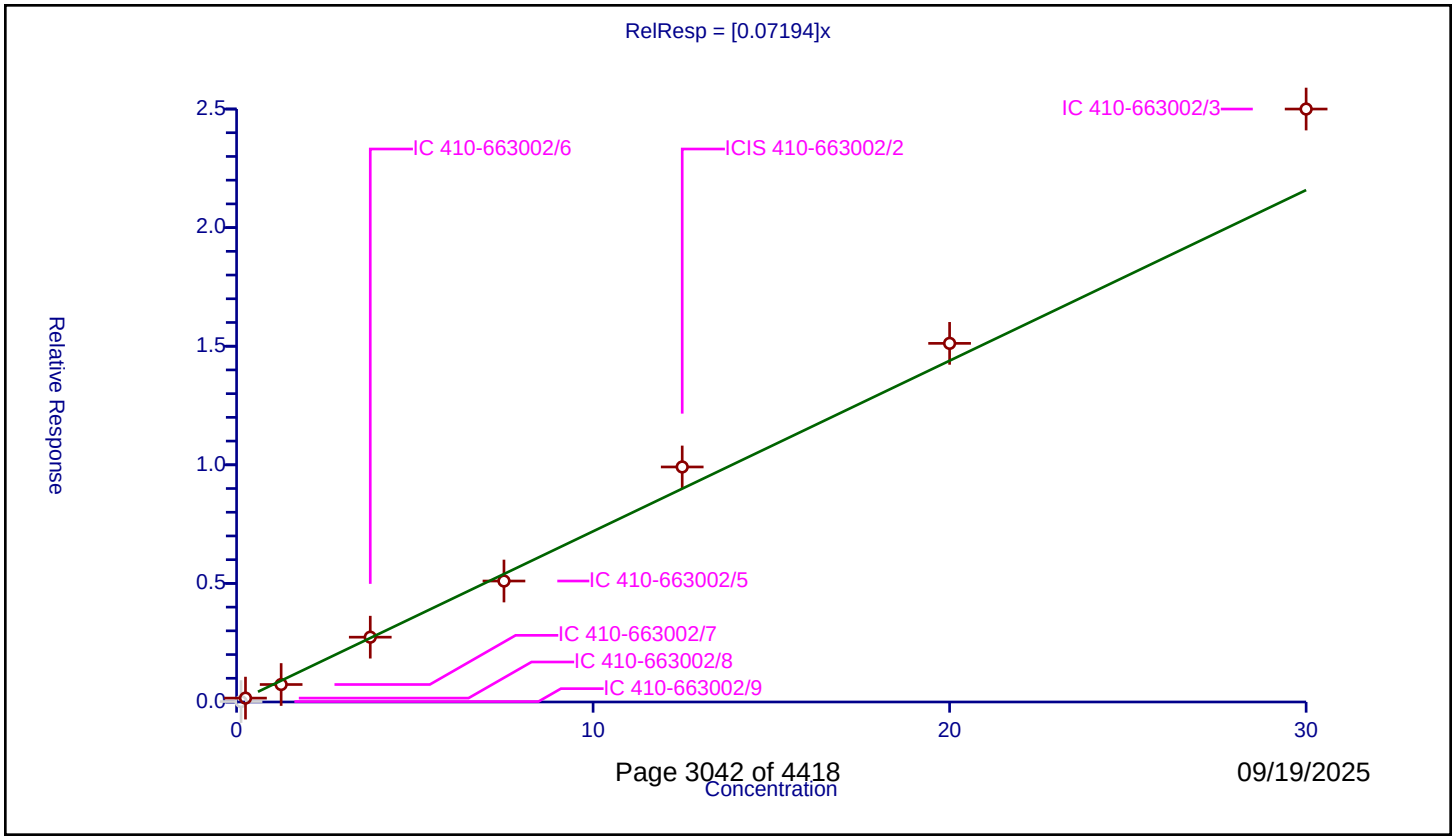
Curve Coefficients

Intercept:	0
Slope:	0.07194

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.001822	5.0	625812.0	0.014573	N
2	IC 410-663002/8	0.25	0.016399	5.0	656733.0	0.065597	Y
3	IC 410-663002/7	1.25	0.073666	5.0	644669.0	0.058933	Y
4	IC 410-663002/6	3.75	0.273245	5.0	668905.0	0.072865	Y
5	IC 410-663002/5	7.5	0.510016	5.0	624422.0	0.068002	Y
6	ICIS 410-663002/2	12.5	0.990934	5.0	667007.0	0.079275	Y
7	IC 410-663002/4	20.0	1.511991	5.0	768983.0	0.0756	Y
8	IC 410-663002/3	30.0	2.499915	5.0	650020.0	0.083331	Y



09/19/2025

Calibration / Phenacetin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

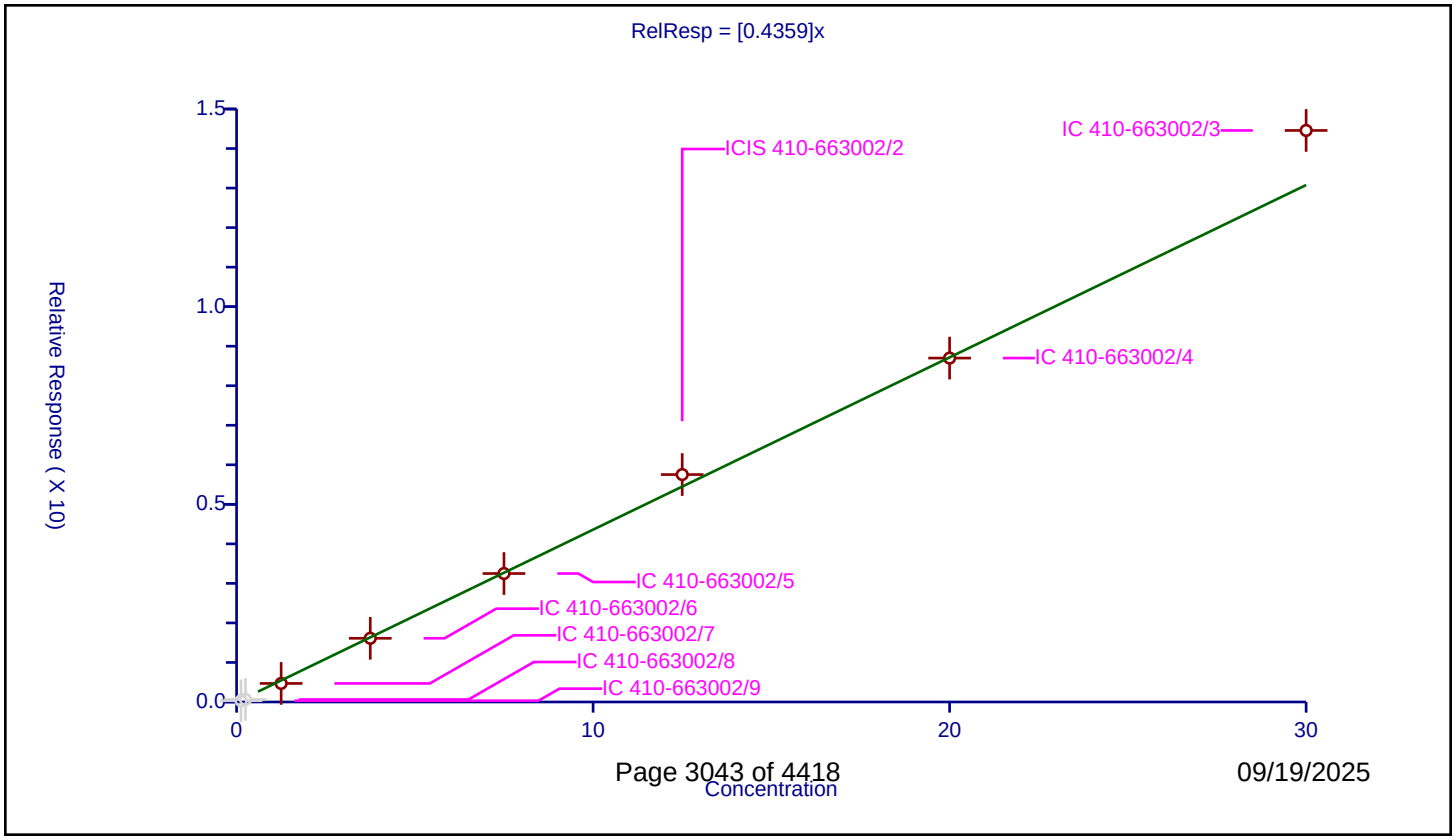
Curve Coefficients

Intercept:	0
Slope:	0.4359

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.031783	5.0	625812.0	0.254262	N
2	IC 410-663002/8	0.25	0.063595	5.0	656733.0	0.25438	N
3	IC 410-663002/7	1.25	0.469016	5.0	644669.0	0.375213	Y
4	IC 410-663002/6	3.75	1.611395	5.0	668905.0	0.429705	Y
5	IC 410-663002/5	7.5	3.249573	5.0	624422.0	0.433276	Y
6	ICIS 410-663002/2	12.5	5.753043	5.0	667007.0	0.460243	Y
7	IC 410-663002/4	20.0	8.69975	5.0	768983.0	0.434988	Y
8	IC 410-663002/3	30.0	14.457863	5.0	650020.0	0.481929	Y



Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

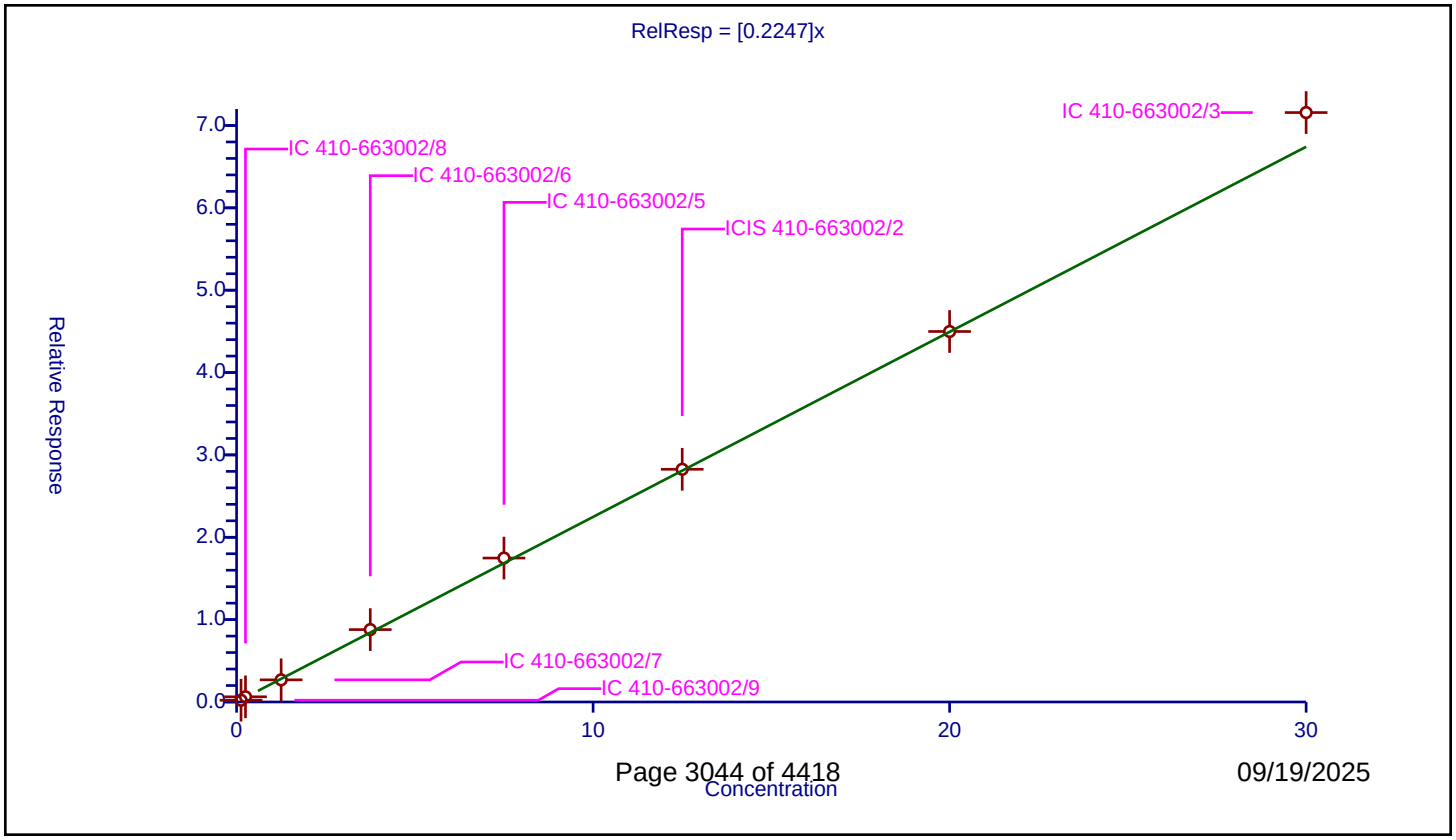
Curve Coefficients

Intercept:	0
Slope:	0.2247

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.021652	5.0	625812.0	0.173215	Y
2	IC 410-663002/8	0.25	0.063085	5.0	656733.0	0.25234	Y
3	IC 410-663002/7	1.25	0.269053	5.0	644669.0	0.215242	Y
4	IC 410-663002/6	3.75	0.878966	5.0	668905.0	0.234391	Y
5	IC 410-663002/5	7.5	1.747576	5.0	624422.0	0.23301	Y
6	ICIS 410-663002/2	12.5	2.825495	5.0	667007.0	0.22604	Y
7	IC 410-663002/4	20.0	4.498578	5.0	768983.0	0.224929	Y
8	IC 410-663002/3	30.0	7.157011	5.0	650020.0	0.238567	Y



Calibration / trans-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

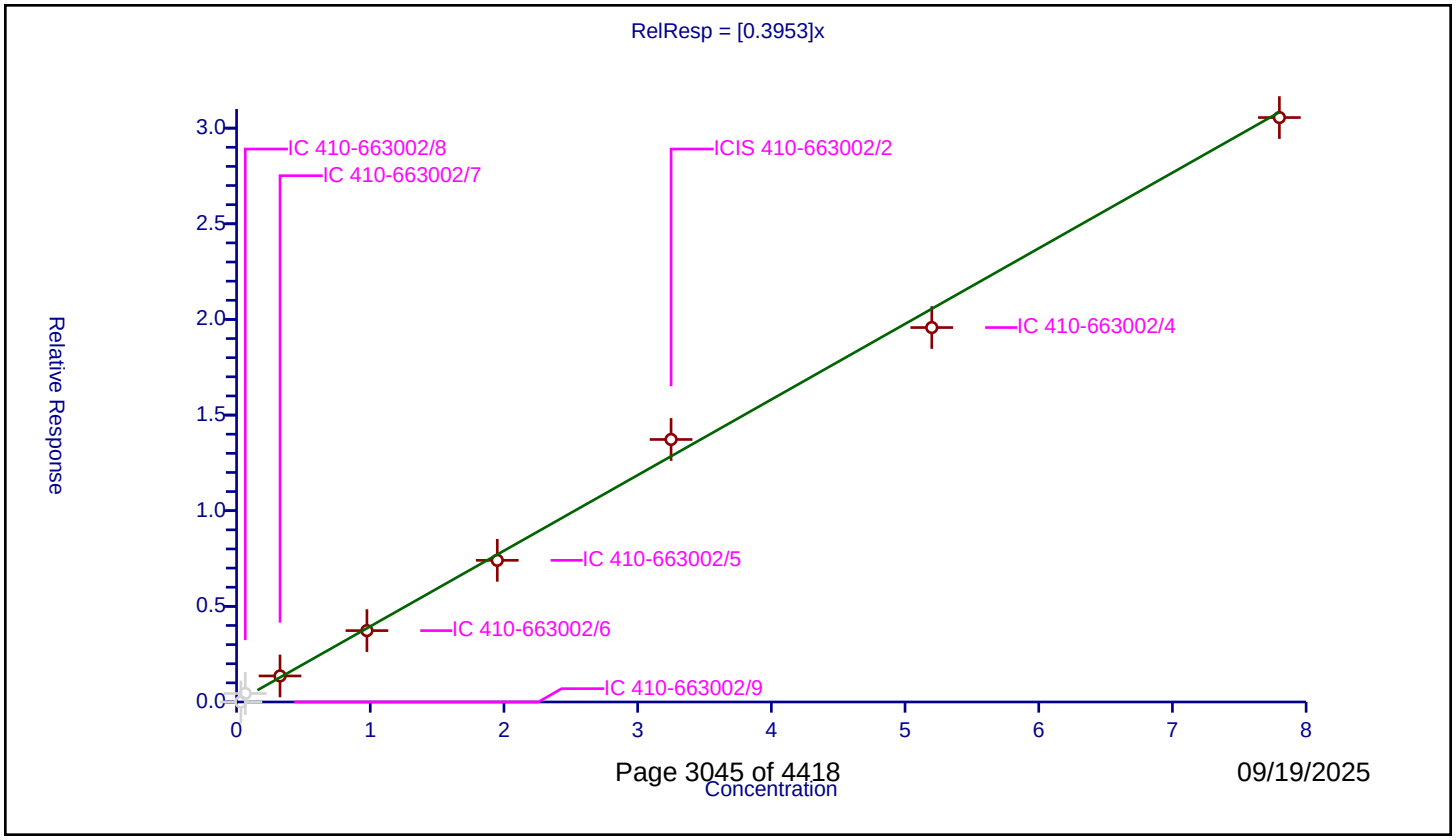
Curve Coefficients

Intercept:	0
Slope:	0.3953

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.0325	0.0	5.0	625812.0	0.0	N
2	IC 410-663002/8	0.065	0.044424	5.0	656733.0	0.683453	N
3	IC 410-663002/7	0.325	0.136101	5.0	644669.0	0.418772	Y
4	IC 410-663002/6	0.975	0.37317	5.0	668905.0	0.382738	Y
5	IC 410-663002/5	1.95	0.740629	5.0	624422.0	0.37981	Y
6	ICIS 410-663002/2	3.25	1.372429	5.0	667007.0	0.422286	Y
7	IC 410-663002/4	5.2	1.957501	5.0	768983.0	0.376443	Y
8	IC 410-663002/3	7.8	3.055329	5.0	650020.0	0.391709	Y



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

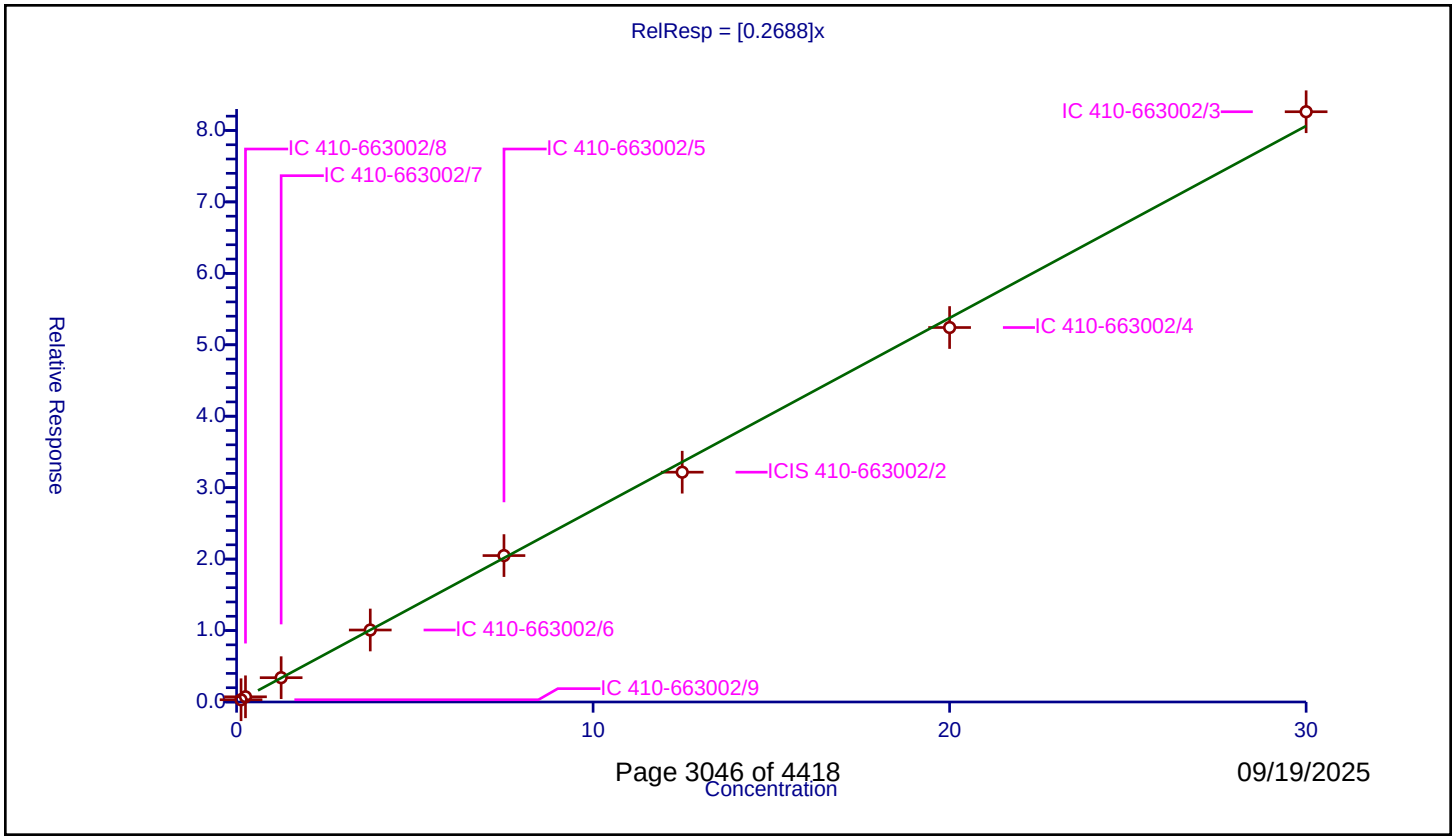
Curve Coefficients

Intercept:	0
Slope:	0.2688

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.031351	5.0	625812.0	0.25081	Y
2	IC 410-663002/8	0.25	0.072625	5.0	656733.0	0.290499	Y
3	IC 410-663002/7	1.25	0.340136	5.0	644669.0	0.272109	Y
4	IC 410-663002/6	3.75	1.007542	5.0	668905.0	0.268678	Y
5	IC 410-663002/5	7.5	2.049239	5.0	624422.0	0.273232	Y
6	ICIS 410-663002/2	12.5	3.2166	5.0	667007.0	0.257328	Y
7	IC 410-663002/4	20.0	5.241332	5.0	768983.0	0.262067	Y
8	IC 410-663002/3	30.0	8.261907	5.0	650020.0	0.275397	Y



Calibration / Dimethoate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

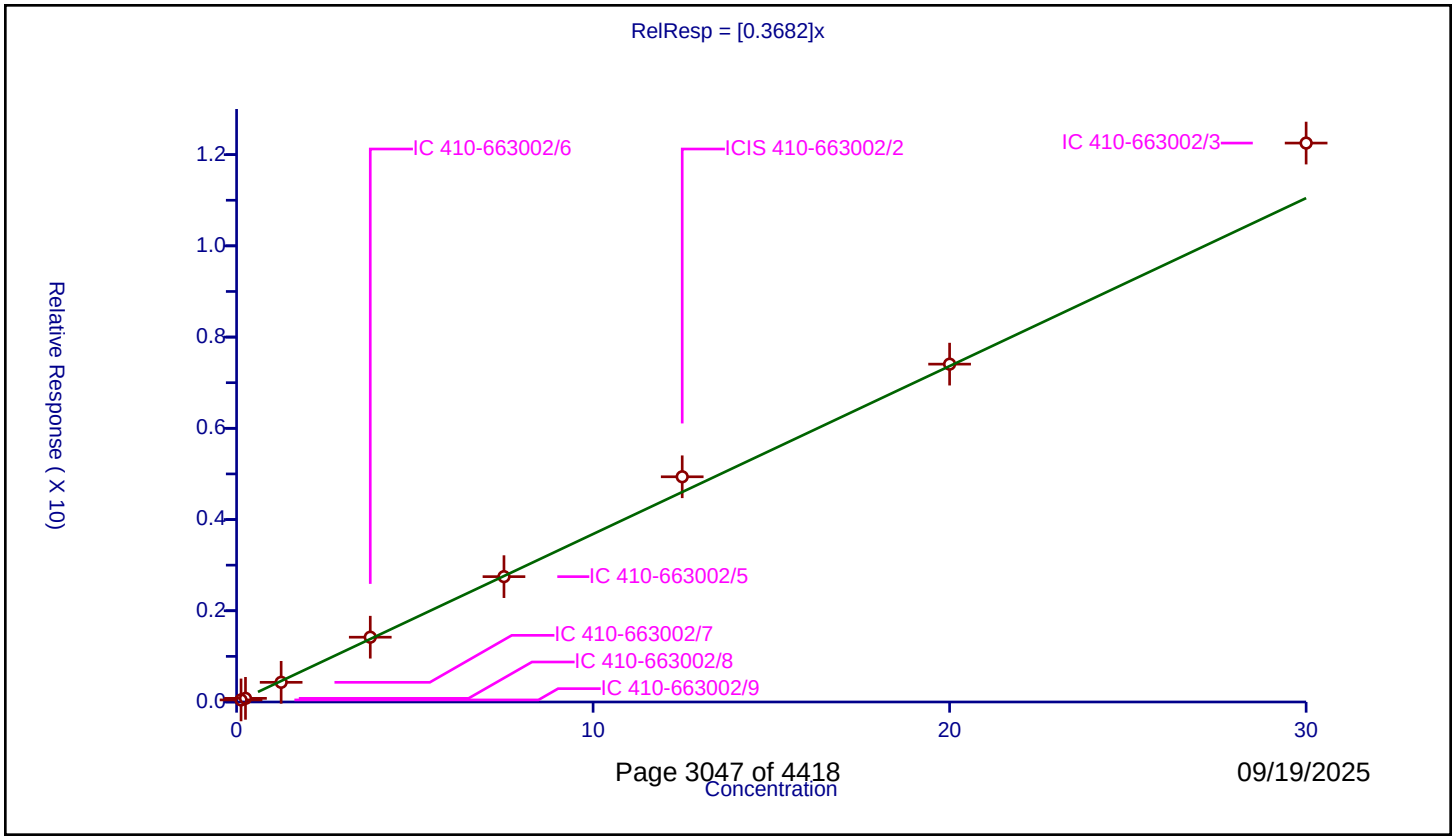
Curve Coefficients

Intercept:	0
Slope:	0.3682

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.045461	5.0	625812.0	0.363687	Y
2	IC 410-663002/8	0.25	0.079538	5.0	656733.0	0.318151	Y
3	IC 410-663002/7	1.25	0.431136	5.0	644669.0	0.344909	Y
4	IC 410-663002/6	3.75	1.420426	5.0	668905.0	0.37878	Y
5	IC 410-663002/5	7.5	2.748254	5.0	624422.0	0.366434	Y
6	ICIS 410-663002/2	12.5	4.937677	5.0	667007.0	0.395014	Y
7	IC 410-663002/4	20.0	7.407069	5.0	768983.0	0.370353	Y
8	IC 410-663002/3	30.0	12.253408	5.0	650020.0	0.408447	Y



09/19/2025

Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

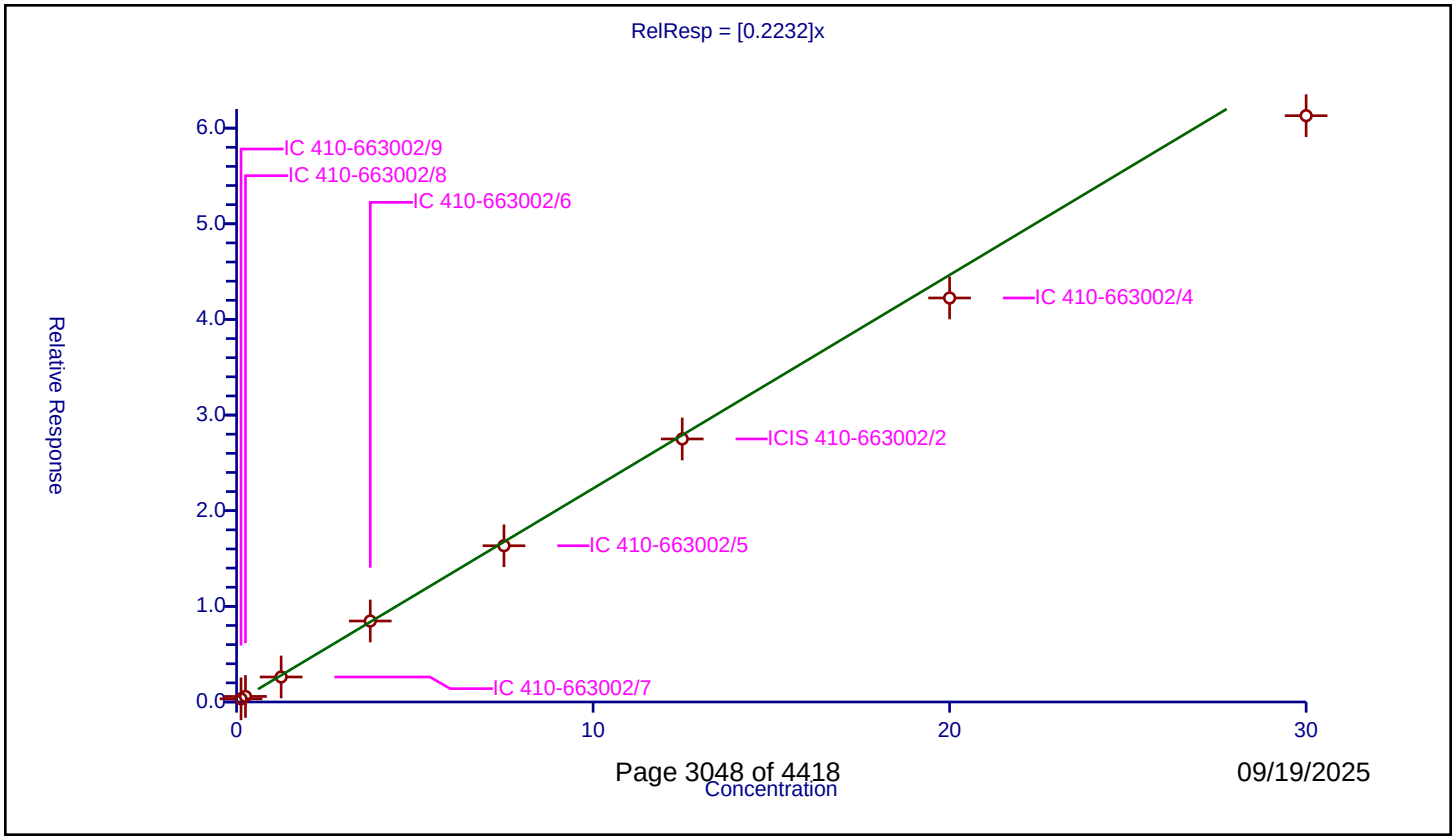
Curve Coefficients

Intercept:	0
Slope:	0.2232

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.033133	5.0	625812.0	0.265064	Y
2	IC 410-663002/8	0.25	0.058136	5.0	656733.0	0.232545	Y
3	IC 410-663002/7	1.25	0.261421	5.0	644669.0	0.209137	Y
4	IC 410-663002/6	3.75	0.846622	5.0	668905.0	0.225766	Y
5	IC 410-663002/5	7.5	1.633871	5.0	624422.0	0.217849	Y
6	ICIS 410-663002/2	12.5	2.750121	5.0	667007.0	0.22001	Y
7	IC 410-663002/4	20.0	4.224281	5.0	768983.0	0.211214	Y
8	IC 410-663002/3	30.0	6.13035	5.0	650020.0	0.204345	Y



Calibration / Pentachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

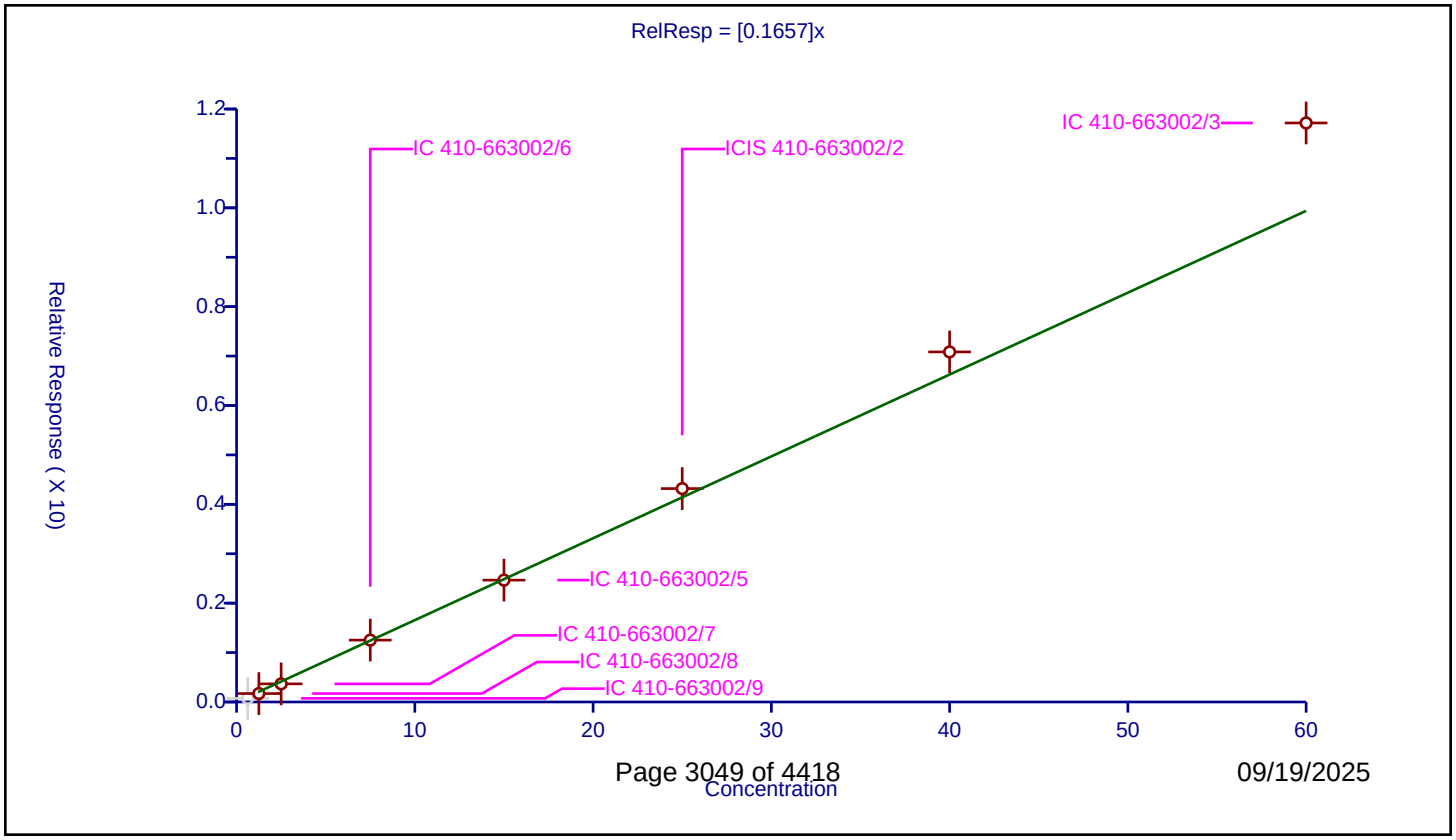
Curve Coefficients

Intercept:	0
Slope:	0.1657

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.625	0.073473	5.0	625812.0	0.117556	N
2	IC 410-663002/8	1.25	0.170678	5.0	656733.0	0.136543	Y
3	IC 410-663002/7	2.5	0.366467	5.0	644669.0	0.146587	Y
4	IC 410-663002/6	7.5	1.252031	5.0	668905.0	0.166938	Y
5	IC 410-663002/5	15.0	2.465816	5.0	624422.0	0.164388	Y
6	ICIS 410-663002/2	25.0	4.318523	5.0	667007.0	0.172741	Y
7	IC 410-663002/4	40.0	7.084344	5.0	768983.0	0.177109	Y
8	IC 410-663002/3	60.0	11.717747	5.0	650020.0	0.195296	Y



Calibration / 4-Aminobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

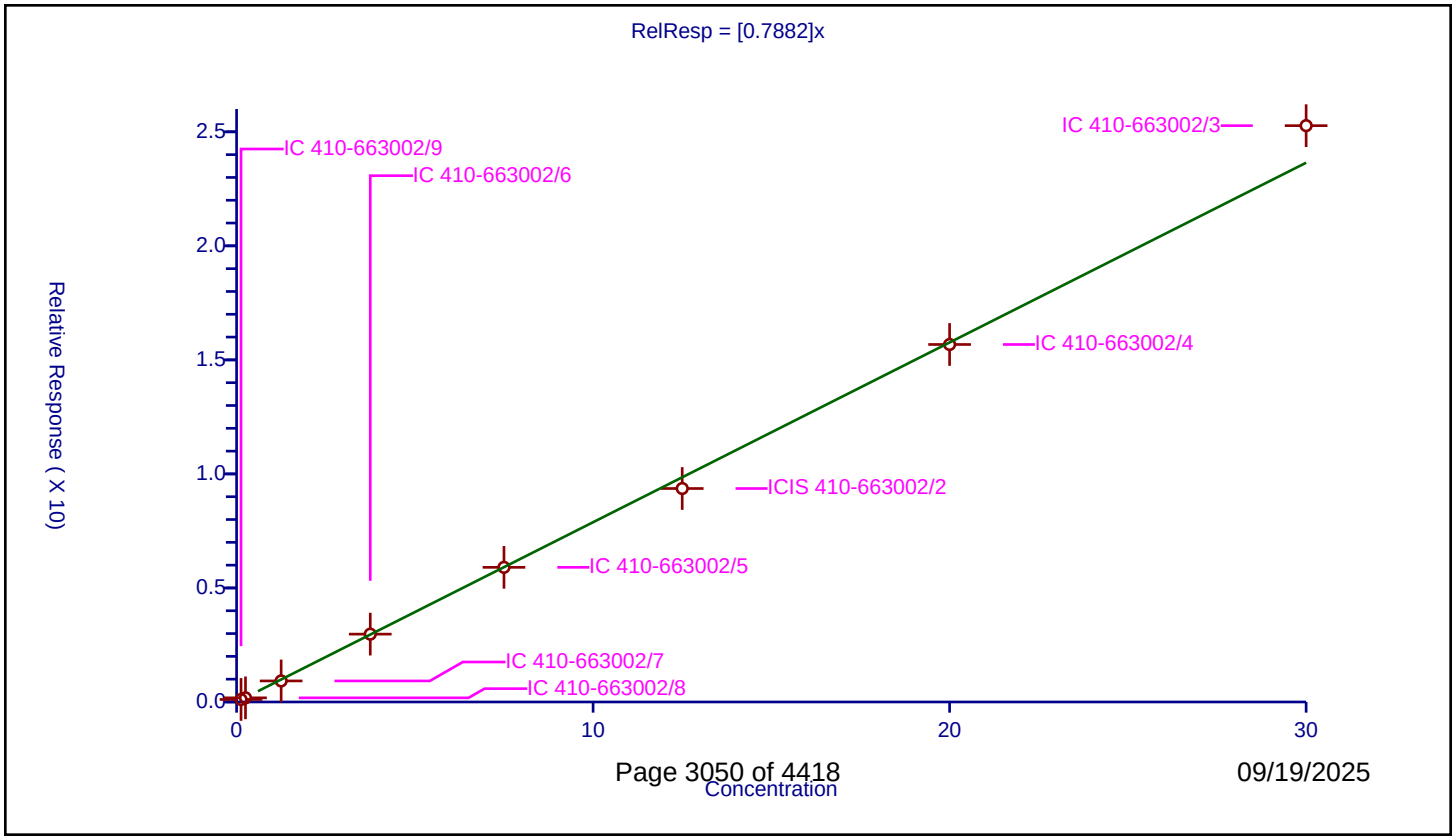
Curve Coefficients

Intercept:	0
Slope:	0.7882

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.110425	5.0	625812.0	0.883396	Y
2	IC 410-663002/8	0.25	0.182015	5.0	656733.0	0.728058	Y
3	IC 410-663002/7	1.25	0.923032	5.0	644669.0	0.738425	Y
4	IC 410-663002/6	3.75	2.975243	5.0	668905.0	0.793398	Y
5	IC 410-663002/5	7.5	5.903732	5.0	624422.0	0.787164	Y
6	ICIS 410-663002/2	12.5	9.359842	5.0	667007.0	0.748787	Y
7	IC 410-663002/4	20.0	15.675308	5.0	768983.0	0.783765	Y
8	IC 410-663002/3	30.0	25.270161	5.0	650020.0	0.842339	Y



Calibration / Pentachloronitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

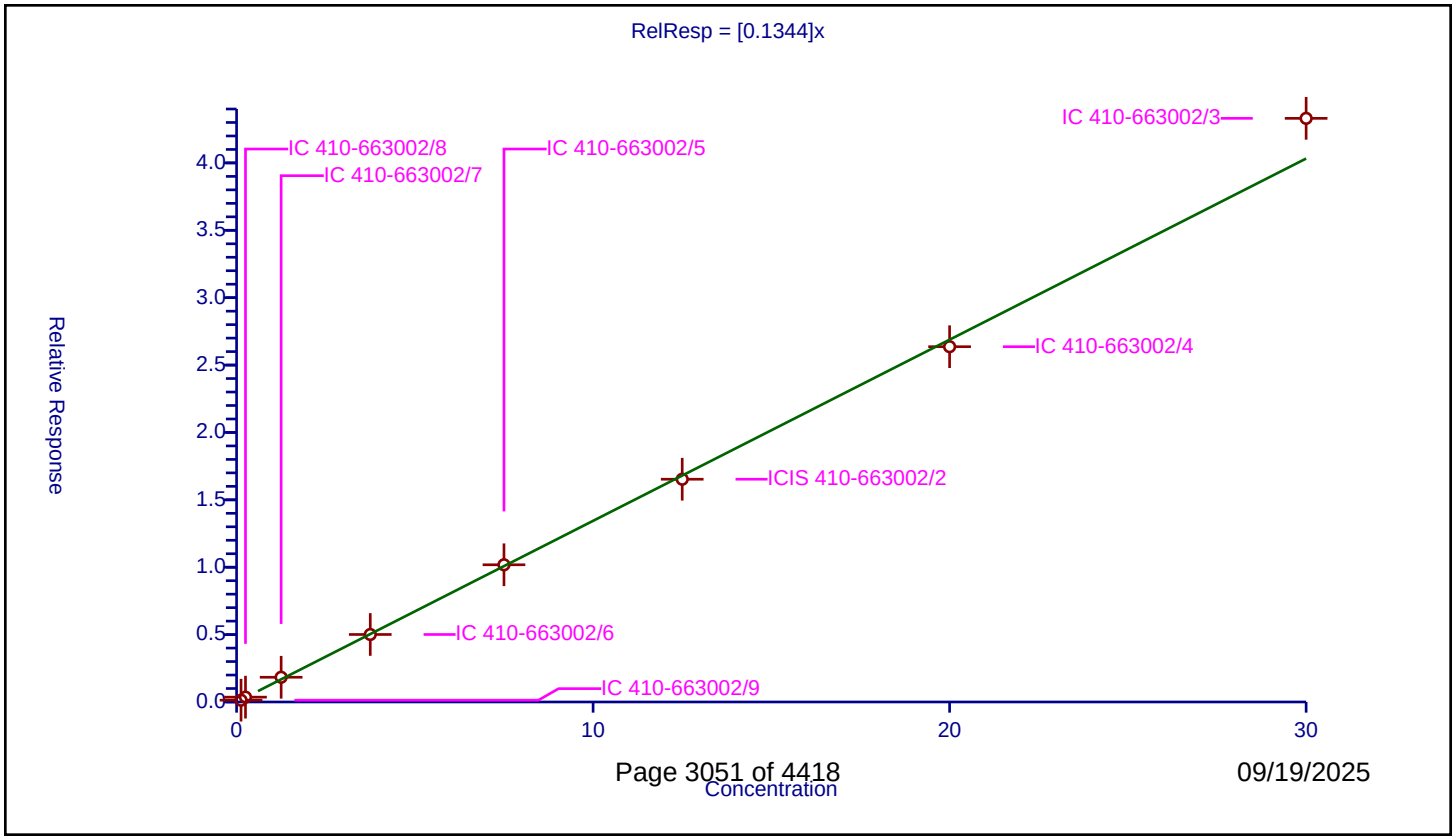
Curve Coefficients

Intercept:	0
Slope:	0.1344

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.013407	5.0	625812.0	0.107253	Y
2	IC 410-663002/8	0.25	0.03589	5.0	656733.0	0.143559	Y
3	IC 410-663002/7	1.25	0.183458	5.0	644669.0	0.146767	Y
4	IC 410-663002/6	3.75	0.500901	5.0	668905.0	0.133574	Y
5	IC 410-663002/5	7.5	1.018078	5.0	624422.0	0.135744	Y
6	ICIS 410-663002/2	12.5	1.652996	5.0	667007.0	0.13224	Y
7	IC 410-663002/4	20.0	2.636261	5.0	768983.0	0.131813	Y
8	IC 410-663002/3	30.0	4.330821	5.0	650020.0	0.144361	Y



Calibration / Pronamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

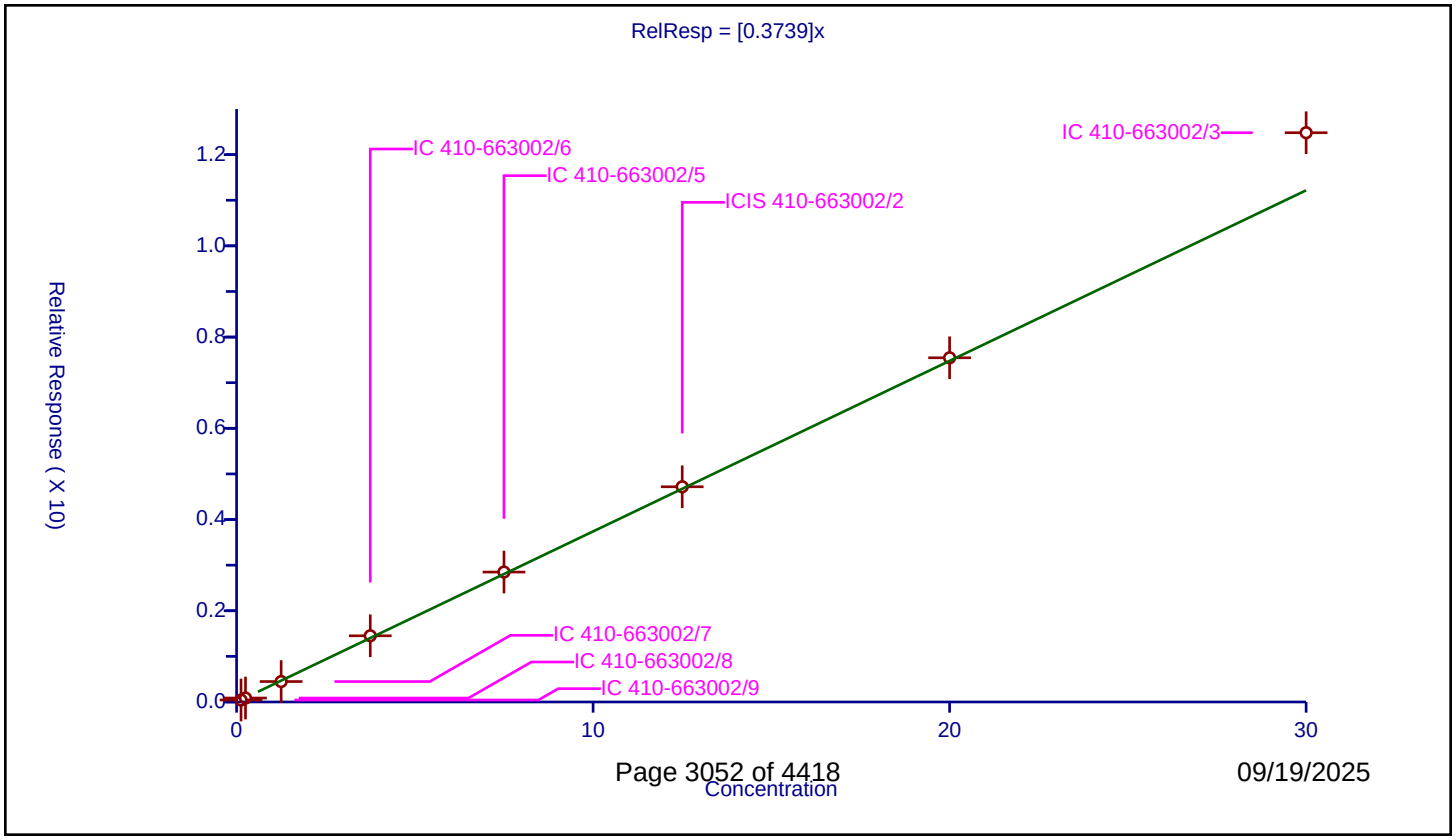
Curve Coefficients

Intercept:	0
Slope:	0.3739

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.043663	5.0	625812.0	0.349306	Y
2	IC 410-663002/8	0.25	0.086527	5.0	656733.0	0.346107	Y
3	IC 410-663002/7	1.25	0.447881	5.0	644669.0	0.358305	Y
4	IC 410-663002/6	3.75	1.451342	5.0	668905.0	0.387025	Y
5	IC 410-663002/5	7.5	2.848634	5.0	624422.0	0.379818	Y
6	ICIS 410-663002/2	12.5	4.718286	5.0	667007.0	0.377463	Y
7	IC 410-663002/4	20.0	7.545921	5.0	768983.0	0.377296	Y
8	IC 410-663002/3	30.0	12.480401	5.0	650020.0	0.416013	Y



09/19/2025

Calibration / Dinoseb

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

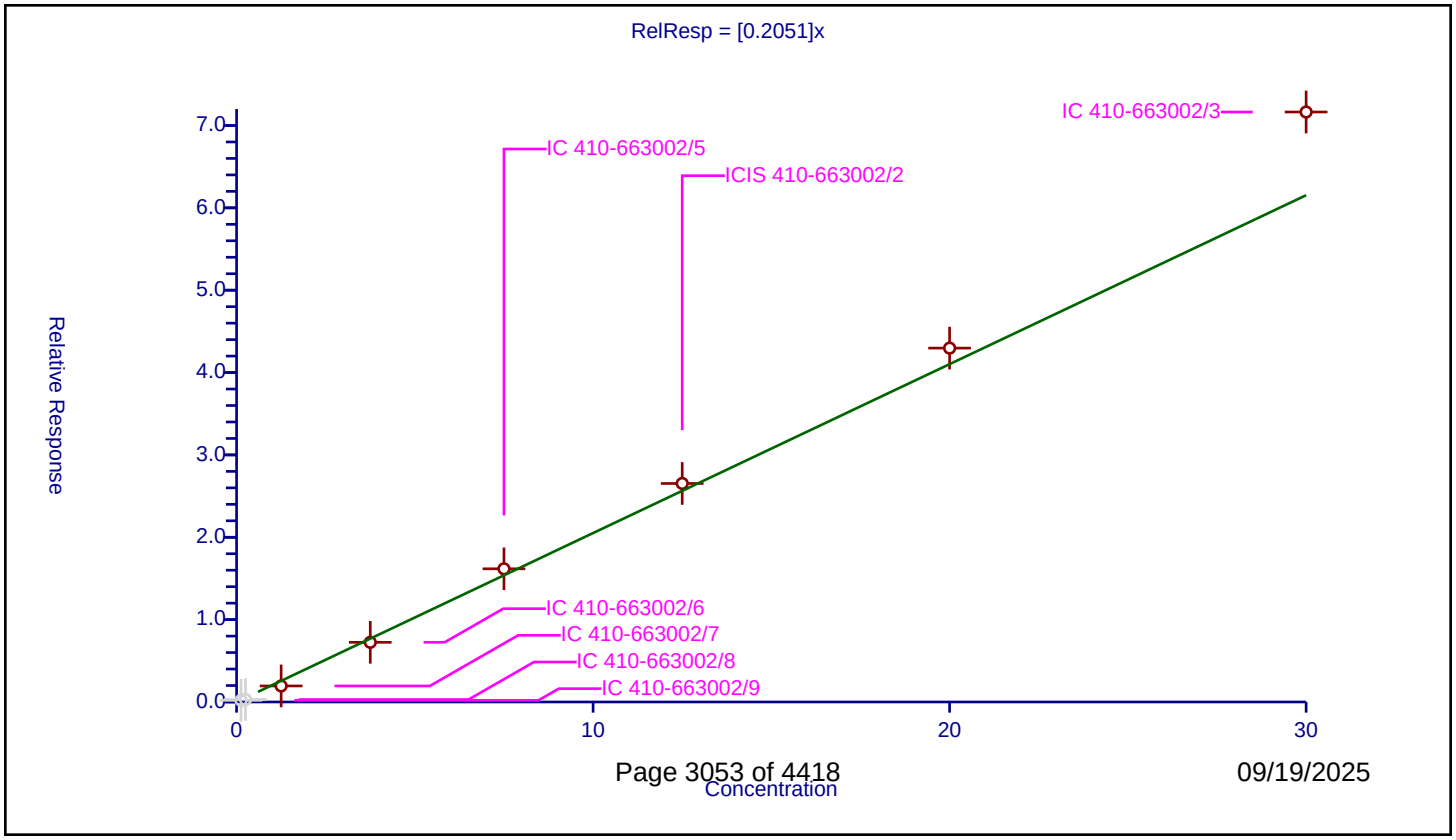
Curve Coefficients

Intercept:	0
Slope:	0.2051

Error Coefficients

Relative Standard Deviation:	13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.020214	5.0	625812.0	0.16171	N
2	IC 410-663002/8	0.25	0.029913	5.0	656733.0	0.119653	N
3	IC 410-663002/7	1.25	0.194883	5.0	644669.0	0.155906	Y
4	IC 410-663002/6	3.75	0.72458	5.0	668905.0	0.193221	Y
5	IC 410-663002/5	7.5	1.617015	5.0	624422.0	0.215602	Y
6	ICIS 410-663002/2	12.5	2.653428	5.0	667007.0	0.212274	Y
7	IC 410-663002/4	20.0	4.296812	5.0	768983.0	0.214841	Y
8	IC 410-663002/3	30.0	7.163733	5.0	650020.0	0.238791	Y



Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

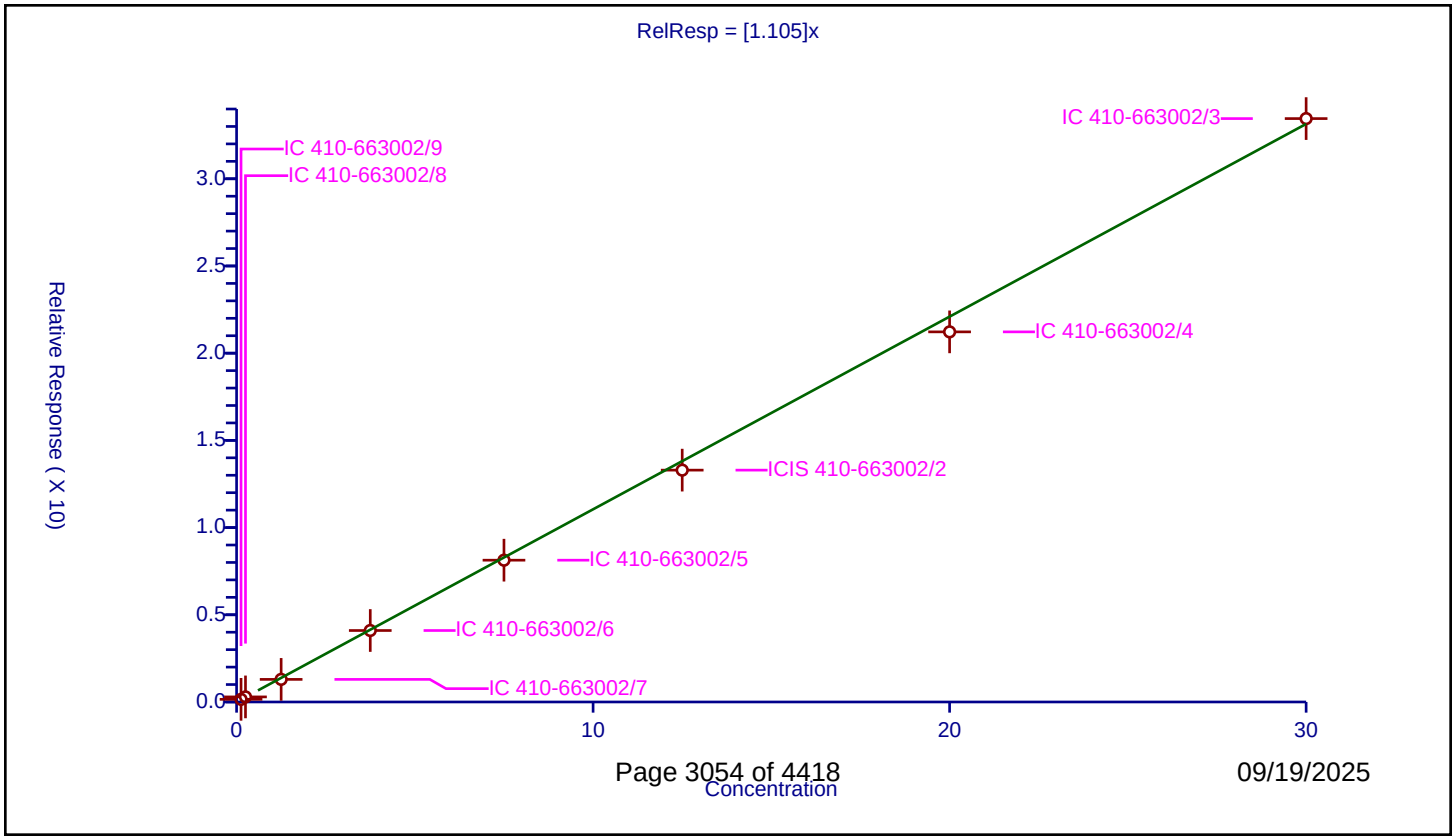
Curve Coefficients

Intercept:	0
Slope:	1.105

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.152266	5.0	625812.0	1.218129	Y
2	IC 410-663002/8	0.25	0.291648	5.0	656733.0	1.166593	Y
3	IC 410-663002/7	1.25	1.296154	5.0	644669.0	1.036923	Y
4	IC 410-663002/6	3.75	4.098893	5.0	668905.0	1.093038	Y
5	IC 410-663002/5	7.5	8.130063	5.0	624422.0	1.084008	Y
6	ICIS 410-663002/2	12.5	13.293616	5.0	667007.0	1.063489	Y
7	IC 410-663002/4	20.0	21.221665	5.0	768983.0	1.061083	Y
8	IC 410-663002/3	30.0	33.451178	5.0	650020.0	1.115039	Y



09/19/2025

Calibration / Disulfoton

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

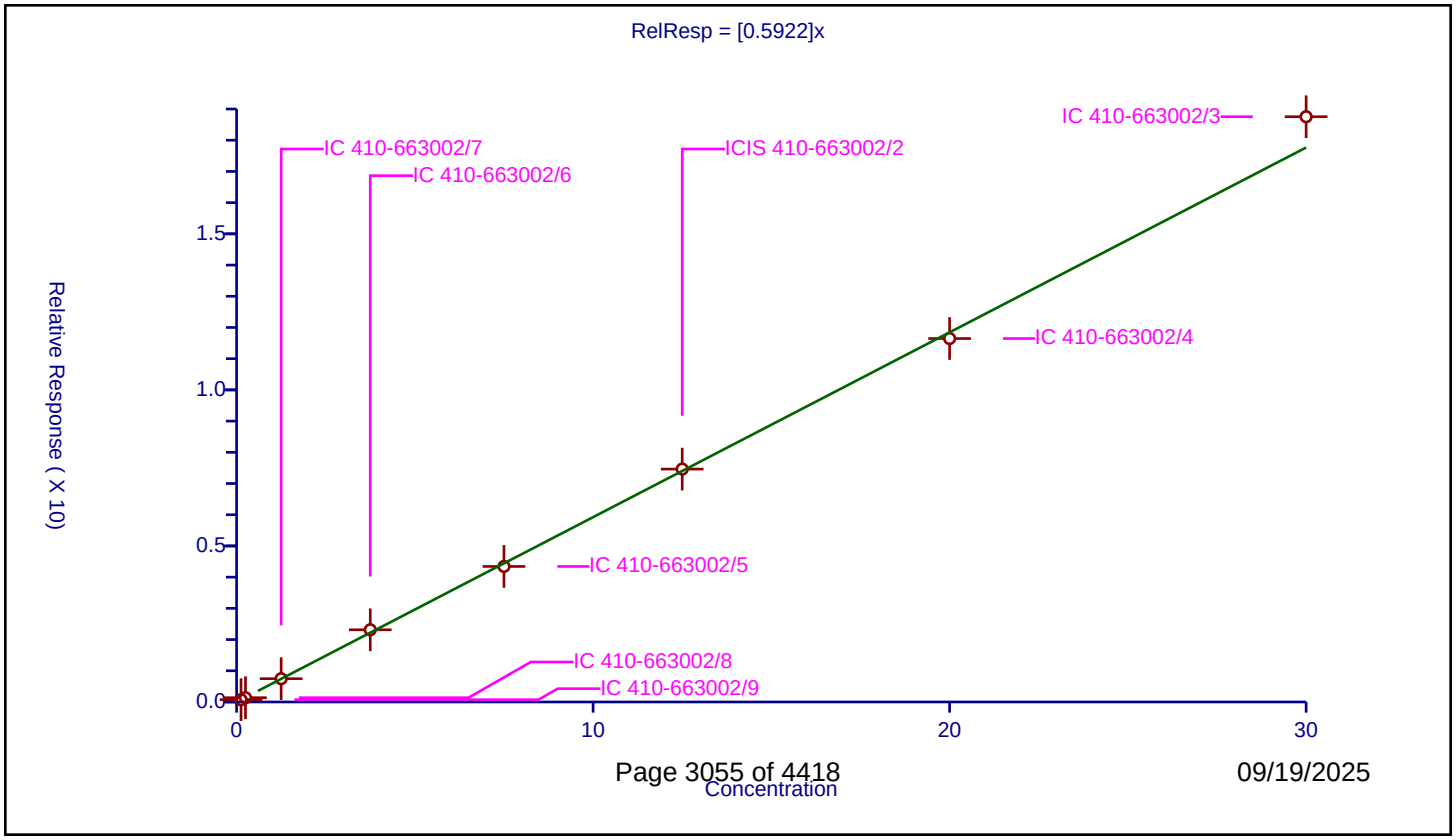
Curve Coefficients

Intercept:	0
Slope:	0.5922

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.07388	5.0	625812.0	0.59104	Y
2	IC 410-663002/8	0.25	0.137369	5.0	656733.0	0.549477	Y
3	IC 410-663002/7	1.25	0.746011	5.0	644669.0	0.596809	Y
4	IC 410-663002/6	3.75	2.313258	5.0	668905.0	0.616869	Y
5	IC 410-663002/5	7.5	4.342864	5.0	624422.0	0.579049	Y
6	ICIS 410-663002/2	12.5	7.46268	5.0	667007.0	0.597014	Y
7	IC 410-663002/4	20.0	11.645862	5.0	768983.0	0.582293	Y
8	IC 410-663002/3	30.0	18.752769	5.0	650020.0	0.625092	Y



Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

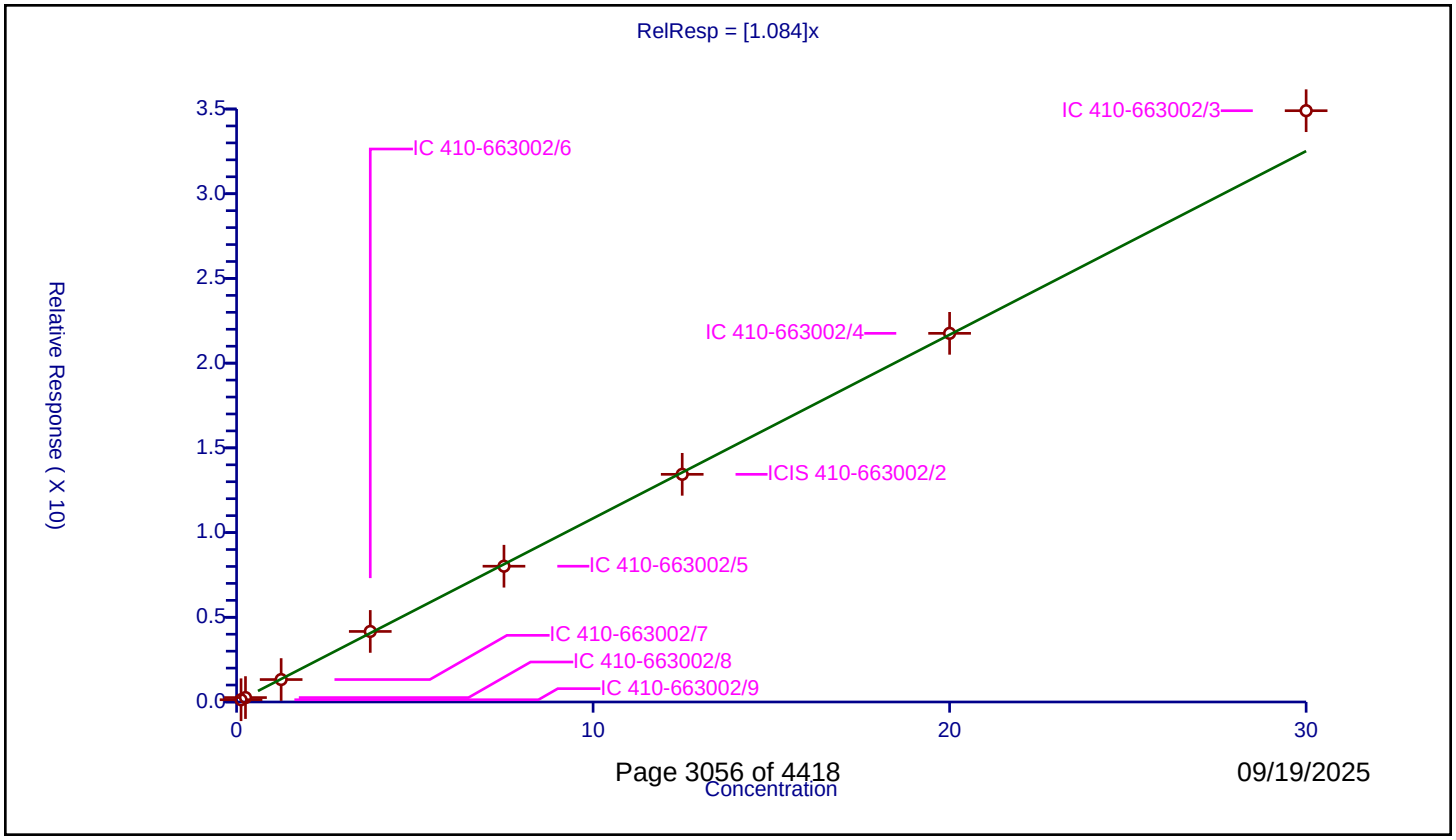
Curve Coefficients

Intercept:	0
Slope:	1.084

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.133467	5.0	625812.0	1.067733	Y
2	IC 410-663002/8	0.25	0.25974	5.0	656733.0	1.038961	Y
3	IC 410-663002/7	1.25	1.324028	5.0	644669.0	1.059223	Y
4	IC 410-663002/6	3.75	4.16382	5.0	668905.0	1.110352	Y
5	IC 410-663002/5	7.5	8.013891	5.0	624422.0	1.068519	Y
6	ICIS 410-663002/2	12.5	13.437378	5.0	667007.0	1.07499	Y
7	IC 410-663002/4	20.0	21.758921	5.0	768983.0	1.087946	Y
8	IC 410-663002/3	30.0	34.900834	5.0	650020.0	1.163361	Y



Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

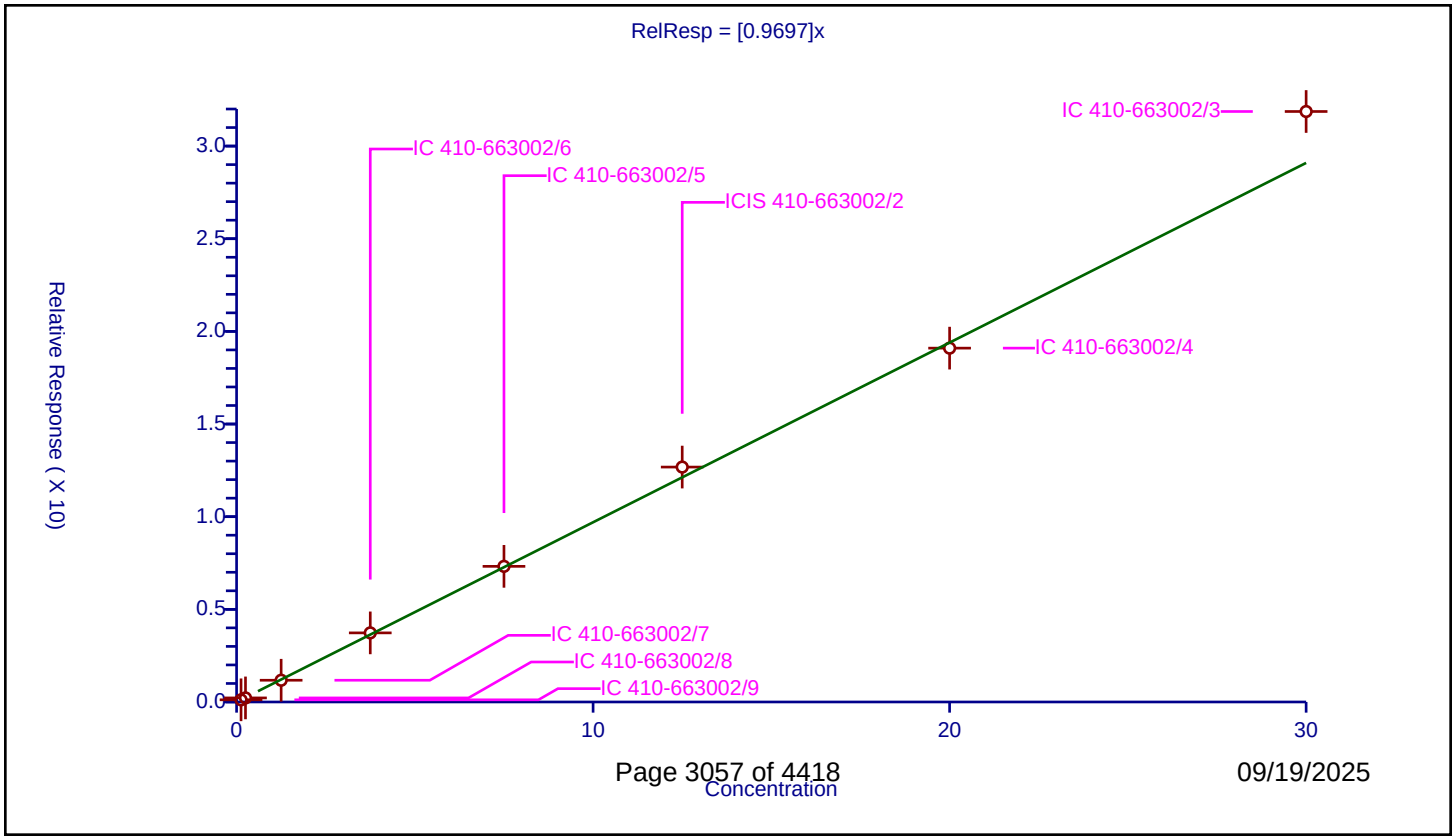
Curve Coefficients

Intercept:	0
Slope:	0.9697

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.117264	5.0	625812.0	0.938109	Y
2	IC 410-663002/8	0.25	0.219876	5.0	656733.0	0.879505	Y
3	IC 410-663002/7	1.25	1.173176	5.0	644669.0	0.938541	Y
4	IC 410-663002/6	3.75	3.72958	5.0	668905.0	0.994555	Y
5	IC 410-663002/5	7.5	7.319737	5.0	624422.0	0.975965	Y
6	ICIS 410-663002/2	12.5	12.676951	5.0	667007.0	1.014156	Y
7	IC 410-663002/4	20.0	19.095507	5.0	768983.0	0.954775	Y
8	IC 410-663002/3	30.0	31.866635	5.0	650020.0	1.062221	Y



09/19/2025

Calibration / Methyl parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

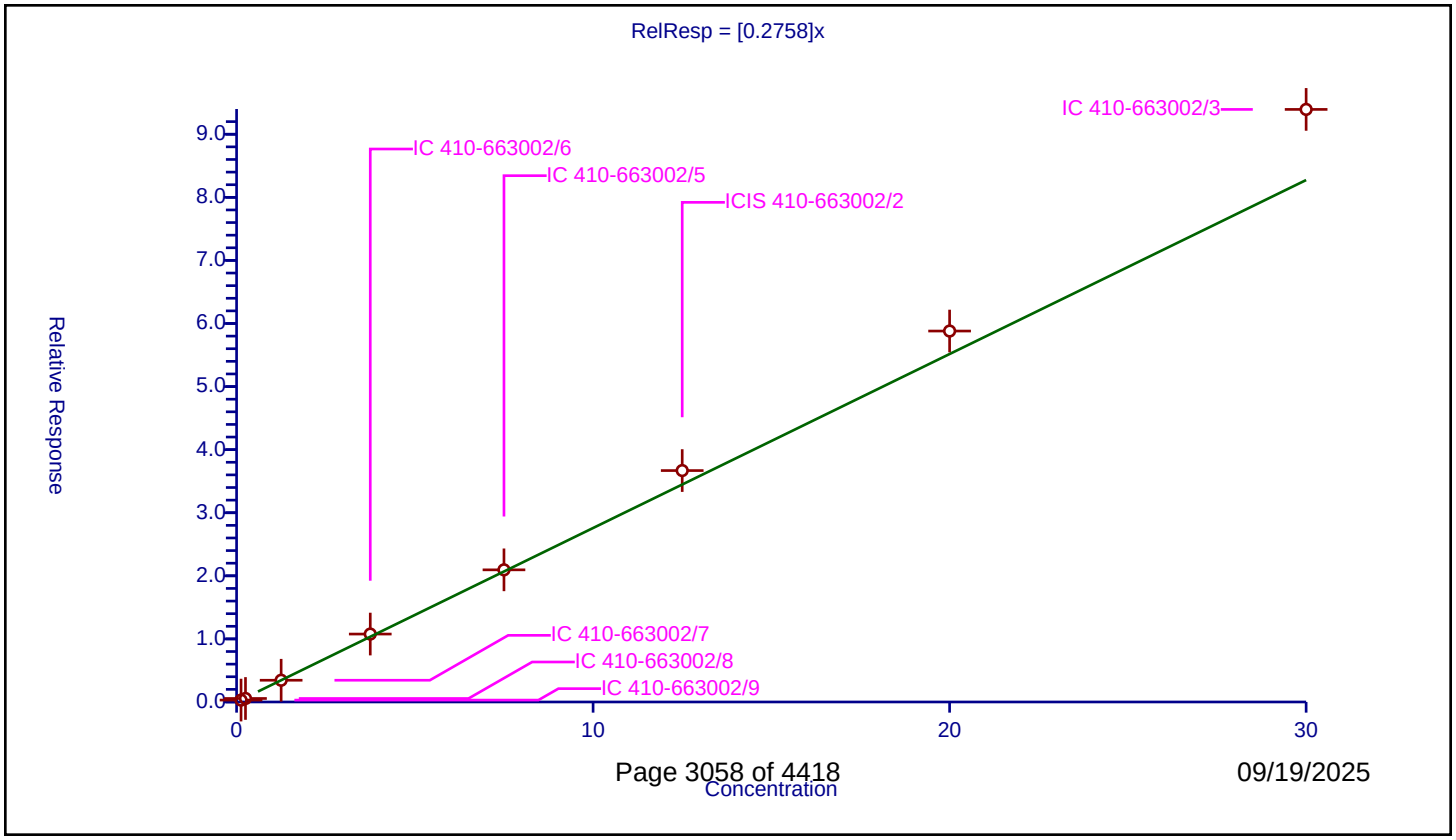
Curve Coefficients

Intercept:	0
Slope:	0.2758

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.030073	5.0	625812.0	0.240583	Y
2	IC 410-663002/8	0.25	0.055761	5.0	656733.0	0.223043	Y
3	IC 410-663002/7	1.25	0.344526	5.0	644669.0	0.275621	Y
4	IC 410-663002/6	3.75	1.076939	5.0	668905.0	0.287184	Y
5	IC 410-663002/5	7.5	2.094945	5.0	624422.0	0.279326	Y
6	ICIS 410-663002/2	12.5	3.668702	5.0	667007.0	0.293496	Y
7	IC 410-663002/4	20.0	5.880397	5.0	768983.0	0.29402	Y
8	IC 410-663002/3	30.0	9.393503	5.0	650020.0	0.313117	Y



Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

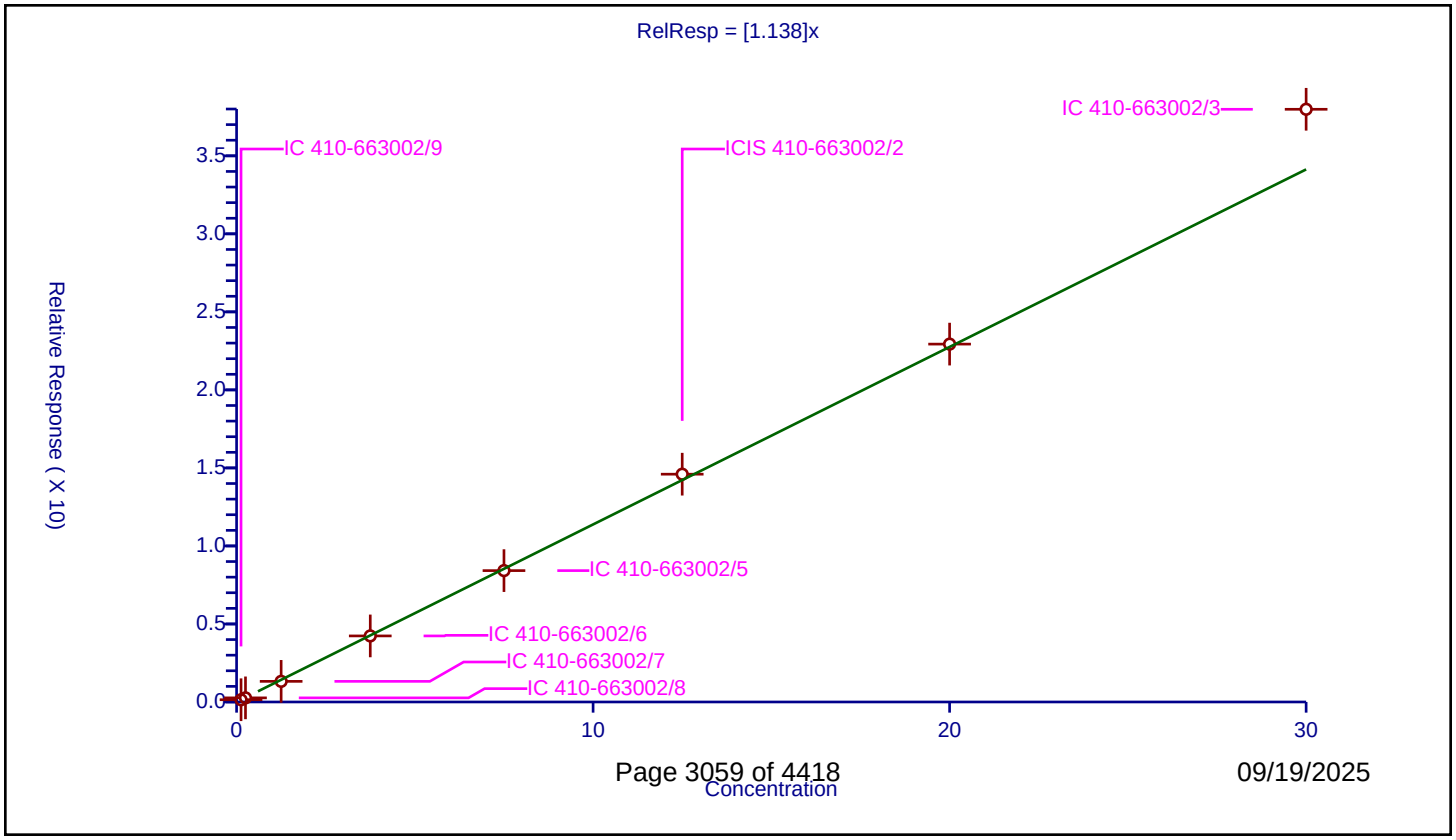
Curve Coefficients

Intercept:	0
Slope:	1.138

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.144197	5.0	625812.0	1.153573	Y
2	IC 410-663002/8	0.25	0.264697	5.0	656733.0	1.058786	Y
3	IC 410-663002/7	1.25	1.321058	5.0	644669.0	1.056846	Y
4	IC 410-663002/6	3.75	4.234144	5.0	668905.0	1.129105	Y
5	IC 410-663002/5	7.5	8.418073	5.0	624422.0	1.12241	Y
6	ICIS 410-663002/2	12.5	14.59813	5.0	667007.0	1.16785	Y
7	IC 410-663002/4	20.0	22.933764	5.0	768983.0	1.146688	Y
8	IC 410-663002/3	30.0	37.982231	5.0	650020.0	1.266074	Y



Calibration / Ethyl Parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

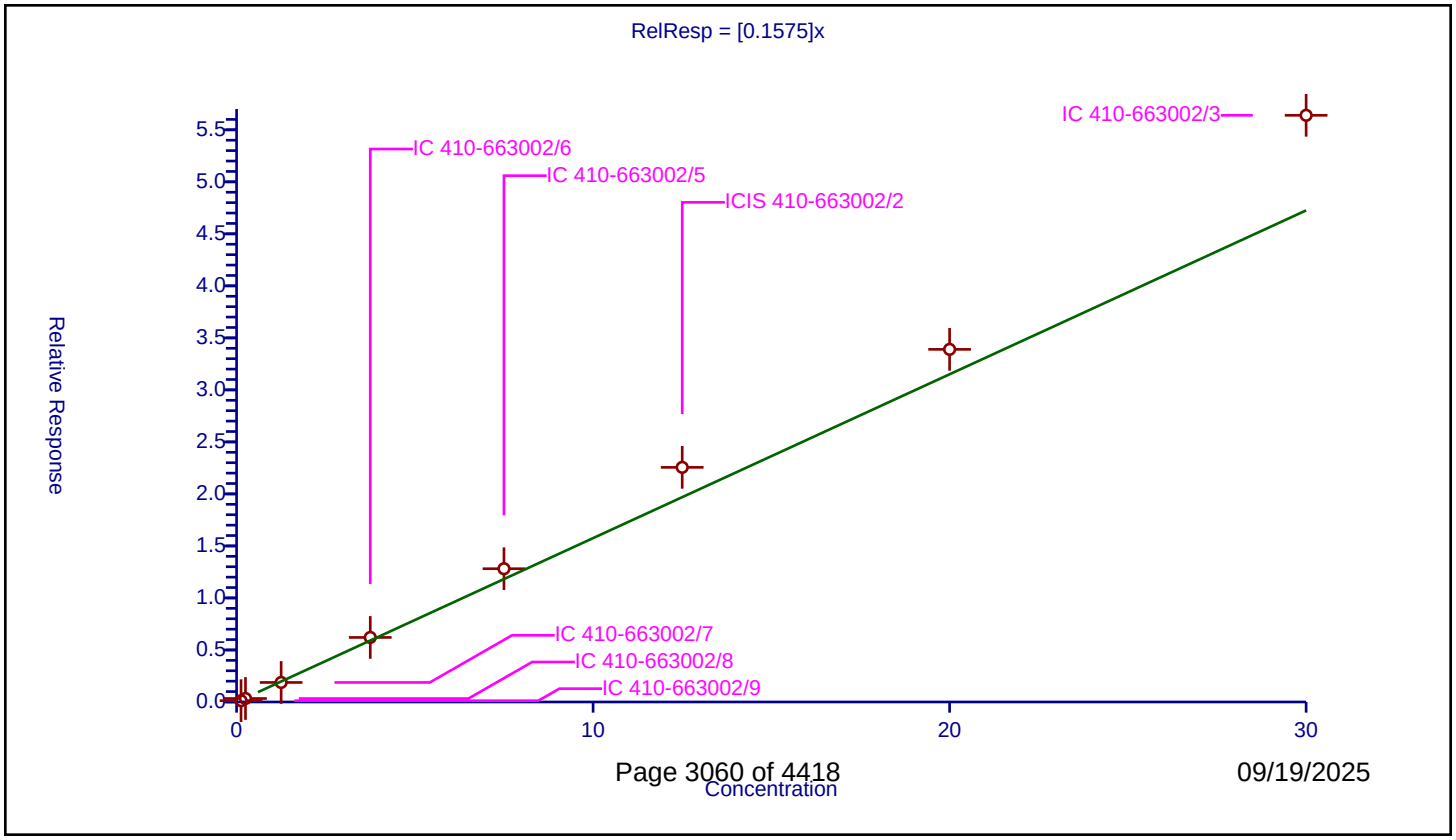
Curve Coefficients

Intercept:	0
Slope:	0.1575

Error Coefficients

Relative Standard Deviation:	17.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.012711	5.0	625812.0	0.101692	Y
2	IC 410-663002/8	0.25	0.033522	5.0	656733.0	0.134088	Y
3	IC 410-663002/7	1.25	0.187716	5.0	644669.0	0.150173	Y
4	IC 410-663002/6	3.75	0.620372	5.0	668905.0	0.165433	Y
5	IC 410-663002/5	7.5	1.281097	5.0	624422.0	0.170813	Y
6	ICIS 410-663002/2	12.5	2.255321	5.0	667007.0	0.180426	Y
7	IC 410-663002/4	20.0	3.389555	5.0	768983.0	0.169478	Y
8	IC 410-663002/3	30.0	5.63945	5.0	650020.0	0.187982	Y



Calibration / 4-Nitroquinoline-1-oxide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

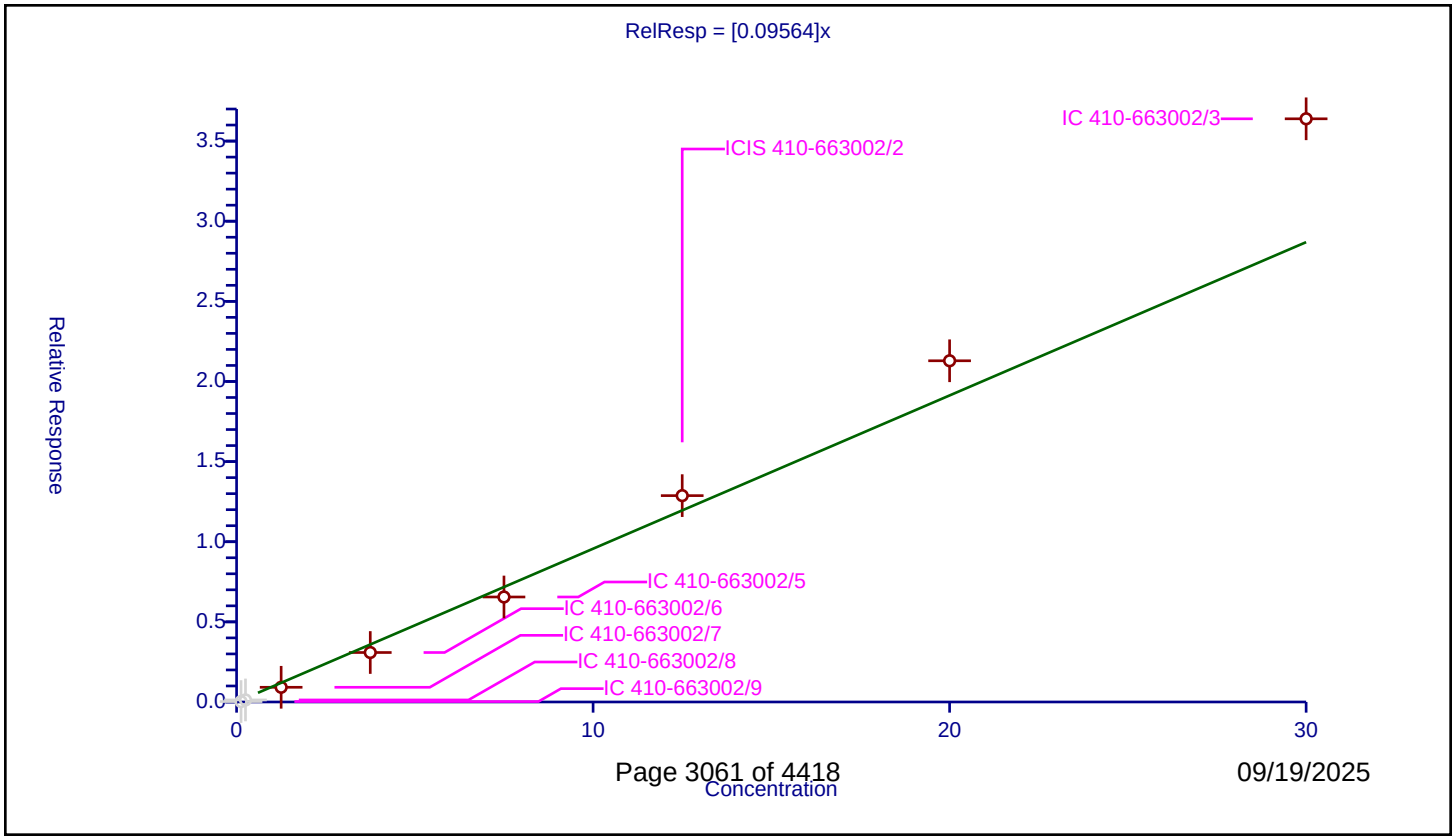
Curve Coefficients

Intercept:	0
Slope:	0.09564

Error Coefficients

Relative Standard Deviation:	18.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.00282	5.0	625812.0	0.022563	N
2	IC 410-663002/8	0.25	0.012745	5.0	656733.0	0.05098	N
3	IC 410-663002/7	1.25	0.09176	5.0	644669.0	0.073408	Y
4	IC 410-663002/6	3.75	0.308676	5.0	668905.0	0.082314	Y
5	IC 410-663002/5	7.5	0.655158	5.0	624422.0	0.087354	Y
6	ICIS 410-663002/2	12.5	1.28761	5.0	667007.0	0.103009	Y
7	IC 410-663002/4	20.0	2.129059	5.0	768983.0	0.106453	Y
8	IC 410-663002/3	30.0	3.638973	5.0	650020.0	0.121299	Y



Calibration / Octachlorostyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

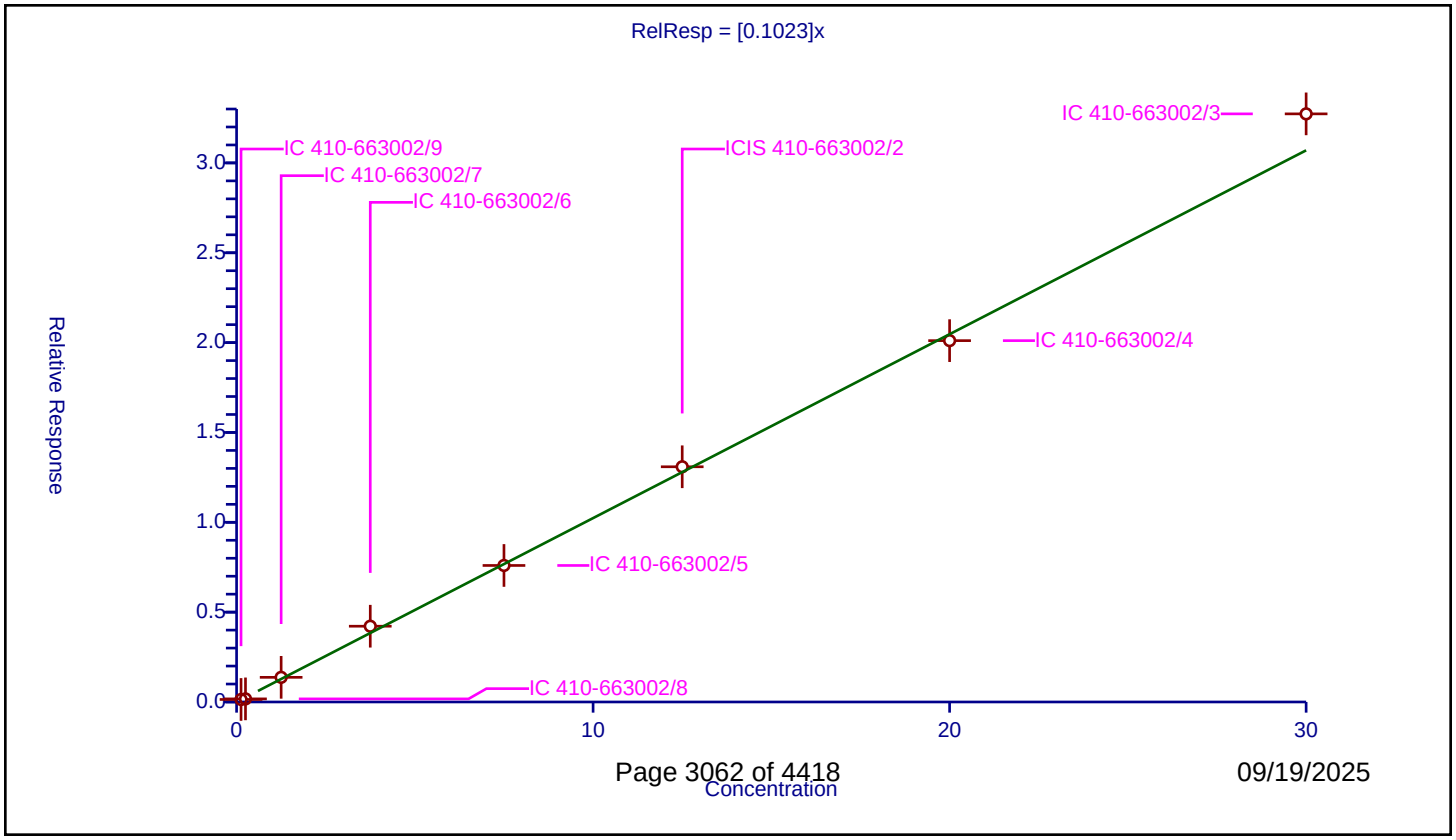
Curve Coefficients

Intercept:	0
Slope:	0.1023

Error Coefficients

Relative Standard Deviation:	13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.013998	5.0	625812.0	0.111983	Y
2	IC 410-663002/8	0.25	0.017222	5.0	656733.0	0.068886	Y
3	IC 410-663002/7	1.25	0.137132	5.0	644669.0	0.109706	Y
4	IC 410-663002/6	3.75	0.421622	5.0	668905.0	0.112433	Y
5	IC 410-663002/5	7.5	0.759799	5.0	624422.0	0.101306	Y
6	ICIS 410-663002/2	12.5	1.308952	5.0	667007.0	0.104716	Y
7	IC 410-663002/4	20.0	2.010968	5.0	768983.0	0.100548	Y
8	IC 410-663002/3	30.0	3.273015	5.0	650020.0	0.1091	Y



Calibration / Isodrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

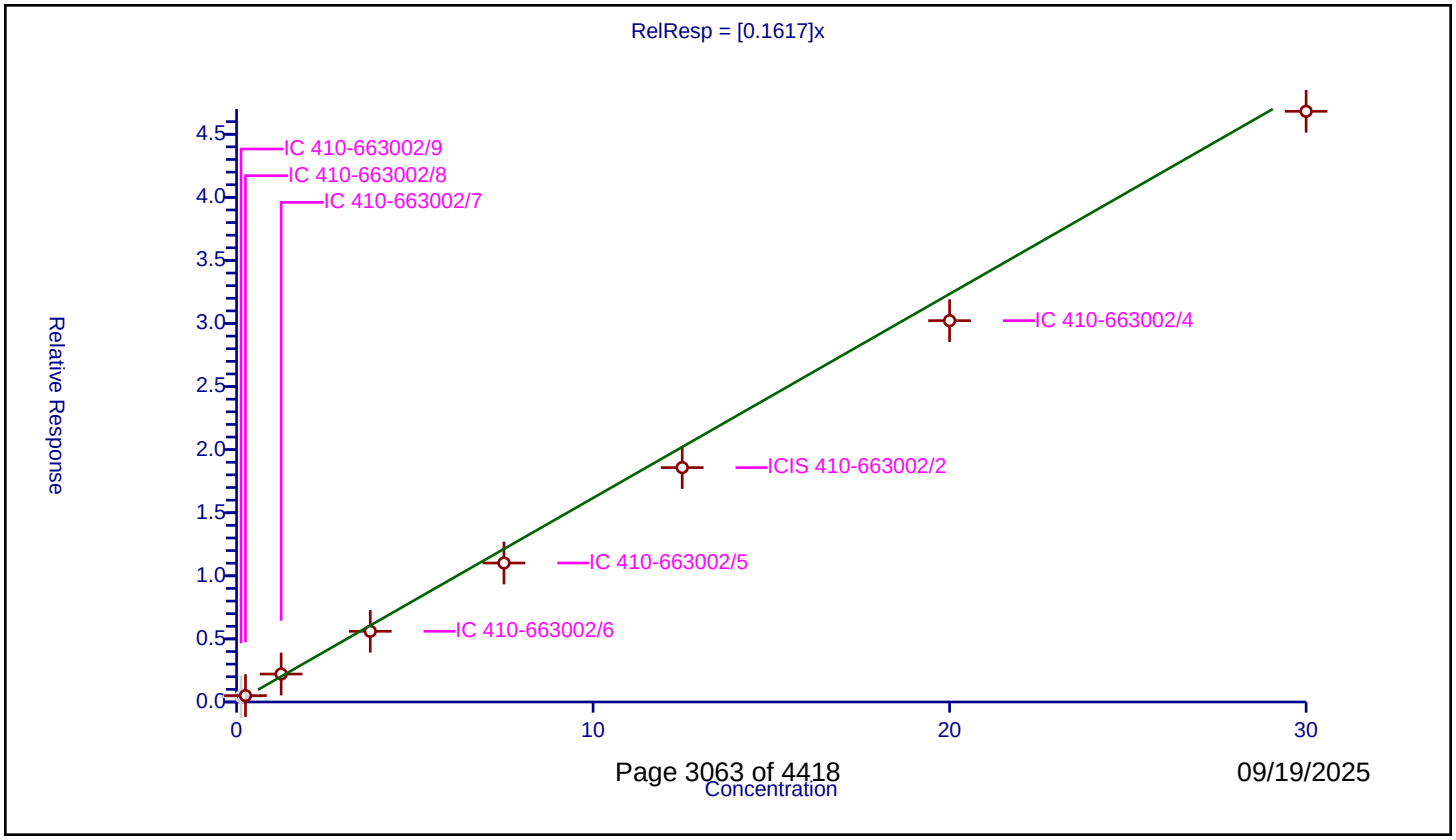
Curve Coefficients

Intercept:	0
Slope:	0.1617

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.04276	5.0	625812.0	0.342084	N
2	IC 410-663002/8	0.25	0.050614	5.0	656733.0	0.202457	Y
3	IC 410-663002/7	1.25	0.221618	5.0	644669.0	0.177294	Y
4	IC 410-663002/6	3.75	0.560349	5.0	668905.0	0.149426	Y
5	IC 410-663002/5	7.5	1.101587	5.0	624422.0	0.146878	Y
6	ICIS 410-663002/2	12.5	1.857852	5.0	667007.0	0.148628	Y
7	IC 410-663002/4	20.0	3.022596	5.0	768983.0	0.15113	Y
8	IC 410-663002/3	30.0	4.681864	5.0	650020.0	0.156062	Y



Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

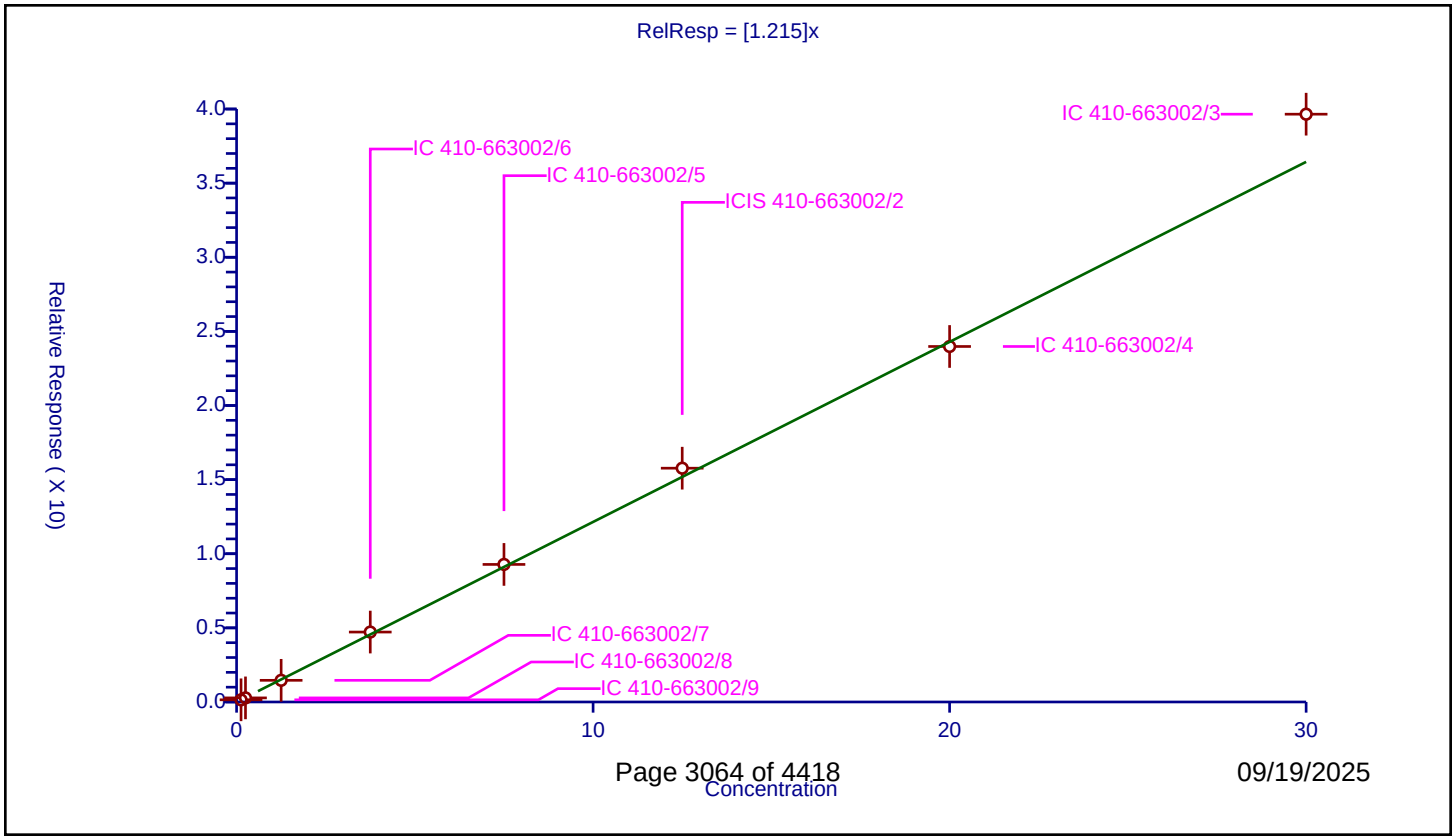
Curve Coefficients

Intercept:	0
Slope:	1.215

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.145803	5.0	625812.0	1.166421	Y
2	IC 410-663002/8	0.25	0.275546	5.0	656733.0	1.102183	Y
3	IC 410-663002/7	1.25	1.462161	5.0	644669.0	1.169729	Y
4	IC 410-663002/6	3.75	4.717441	5.0	668905.0	1.257984	Y
5	IC 410-663002/5	7.5	9.279598	5.0	624422.0	1.23728	Y
6	ICIS 410-663002/2	12.5	15.771154	5.0	667007.0	1.261692	Y
7	IC 410-663002/4	20.0	23.981694	5.0	768983.0	1.199085	Y
8	IC 410-663002/3	30.0	39.651242	5.0	650020.0	1.321708	Y



Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

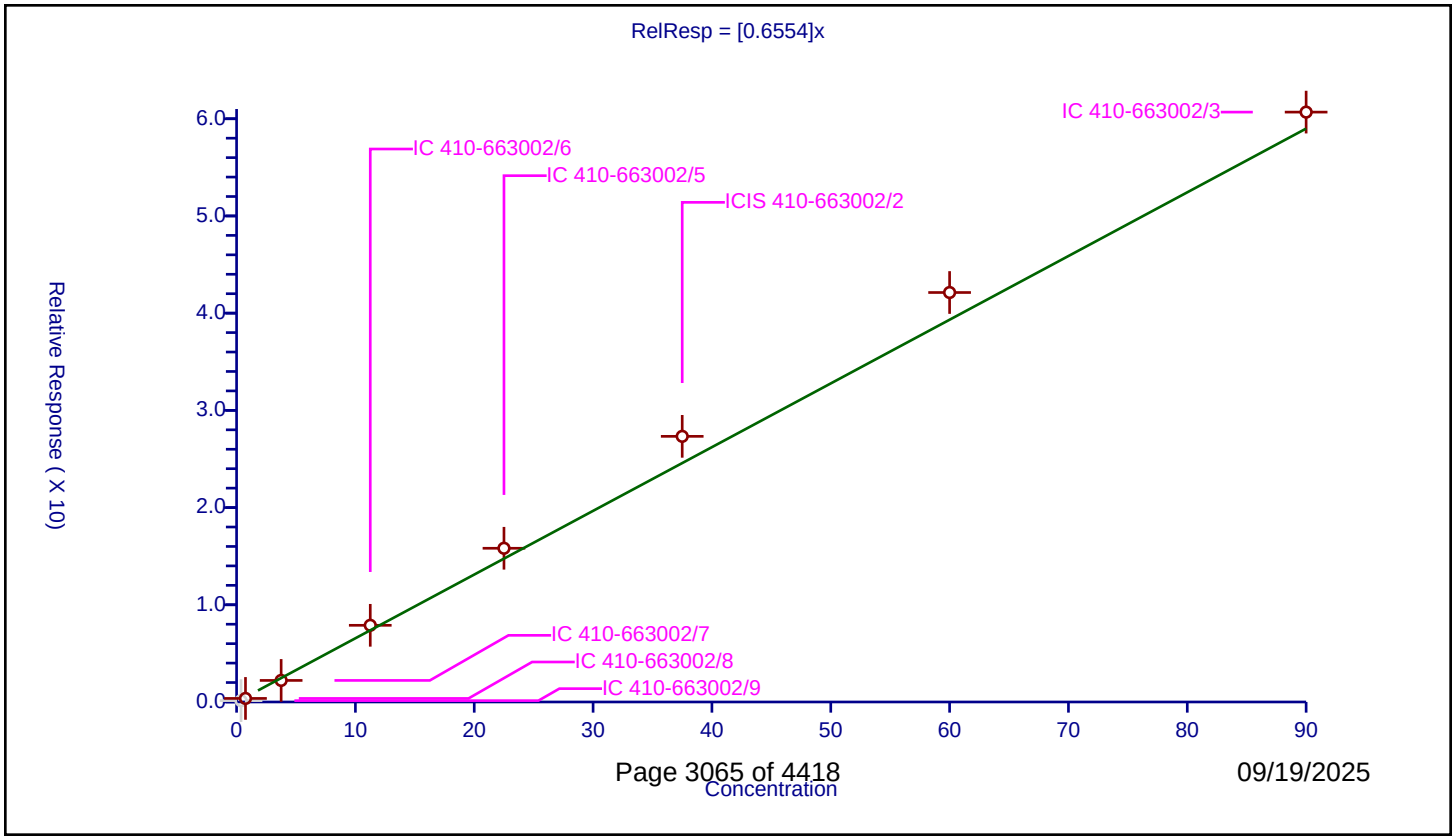
Curve Coefficients

Intercept:	0
Slope:	0.6554

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.375	0.137713	5.0	660830.0	0.367235	N
2	IC 410-663002/8	0.75	0.365294	5.0	703775.0	0.487059	Y
3	IC 410-663002/7	3.75	2.218728	5.0	705136.0	0.591661	Y
4	IC 410-663002/6	11.25	7.887823	5.0	720496.0	0.70114	Y
5	IC 410-663002/5	22.5	15.813798	5.0	681508.0	0.702835	Y
6	ICIS 410-663002/2	37.5	27.327566	5.0	725580.0	0.728735	Y
7	IC 410-663002/4	60.0	42.123621	5.0	805087.0	0.70206	Y
8	IC 410-663002/3	90.0	60.682409	5.0	698393.0	0.674249	Y



Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

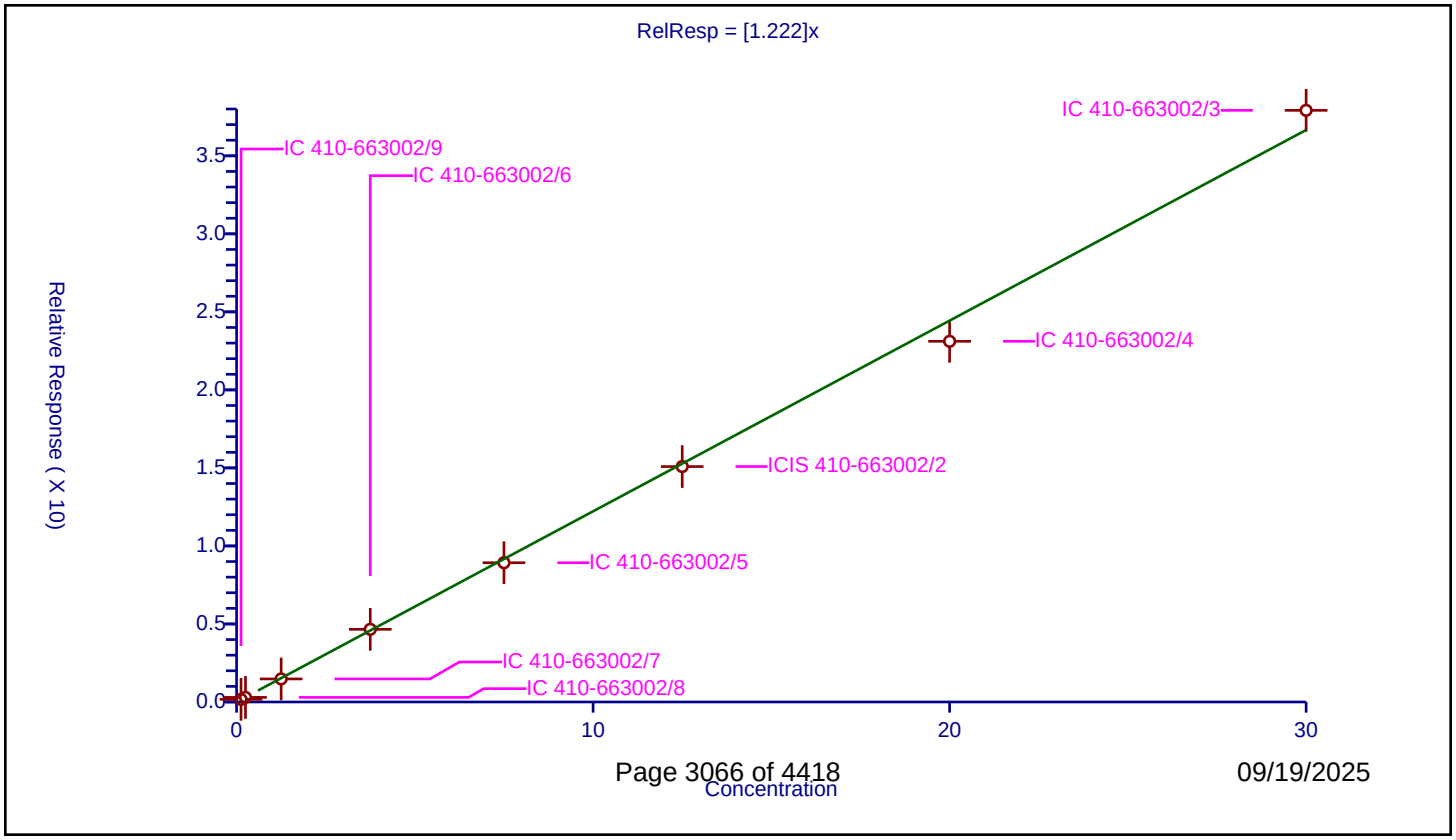
Curve Coefficients

Intercept:	0
Slope:	1.222

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.169438	5.0	660830.0	1.355507	Y
2	IC 410-663002/8	0.25	0.294817	5.0	703775.0	1.179269	Y
3	IC 410-663002/7	1.25	1.477928	5.0	705136.0	1.182342	Y
4	IC 410-663002/6	3.75	4.655404	5.0	720496.0	1.241441	Y
5	IC 410-663002/5	7.5	8.924737	5.0	681508.0	1.189965	Y
6	ICIS 410-663002/2	12.5	15.086276	5.0	725580.0	1.206902	Y
7	IC 410-663002/4	20.0	23.113533	5.0	805087.0	1.155677	Y
8	IC 410-663002/3	30.0	37.914512	5.0	698393.0	1.263817	Y



Calibration / p-Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

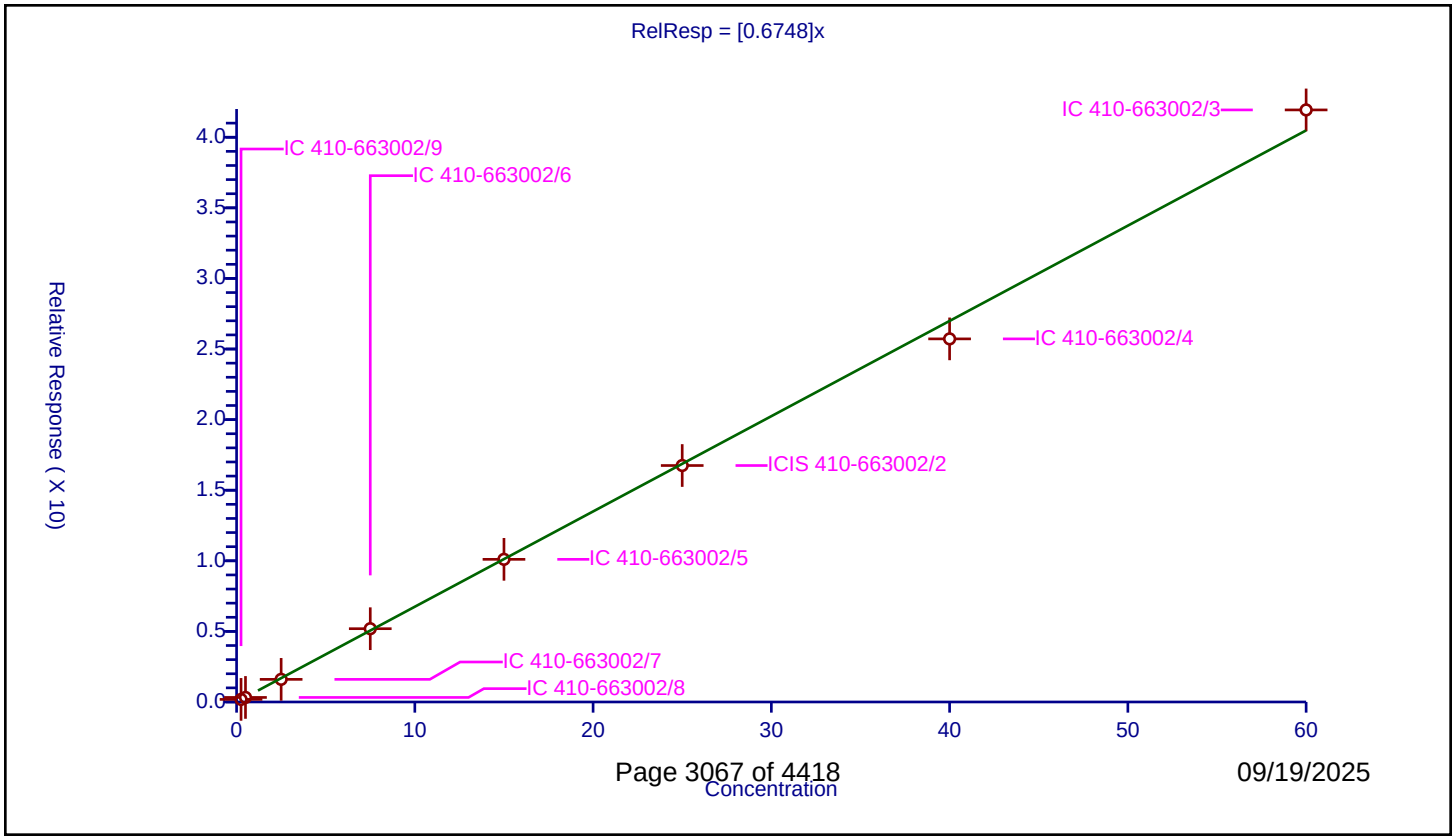
Curve Coefficients

Intercept:	0
Slope:	0.6748

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.25	0.183799	5.0	660830.0	0.735197	Y
2	IC 410-663002/8	0.5	0.322035	5.0	703775.0	0.644069	Y
3	IC 410-663002/7	2.5	1.603308	5.0	705136.0	0.641323	Y
4	IC 410-663002/6	7.5	5.191063	5.0	720496.0	0.692142	Y
5	IC 410-663002/5	15.0	10.103352	5.0	681508.0	0.673557	Y
6	ICIS 410-663002/2	25.0	16.748387	5.0	725580.0	0.669935	Y
7	IC 410-663002/4	40.0	25.718084	5.0	805087.0	0.642952	Y
8	IC 410-663002/3	60.0	41.935135	5.0	698393.0	0.698919	Y



Calibration / p-Dimethylamino azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

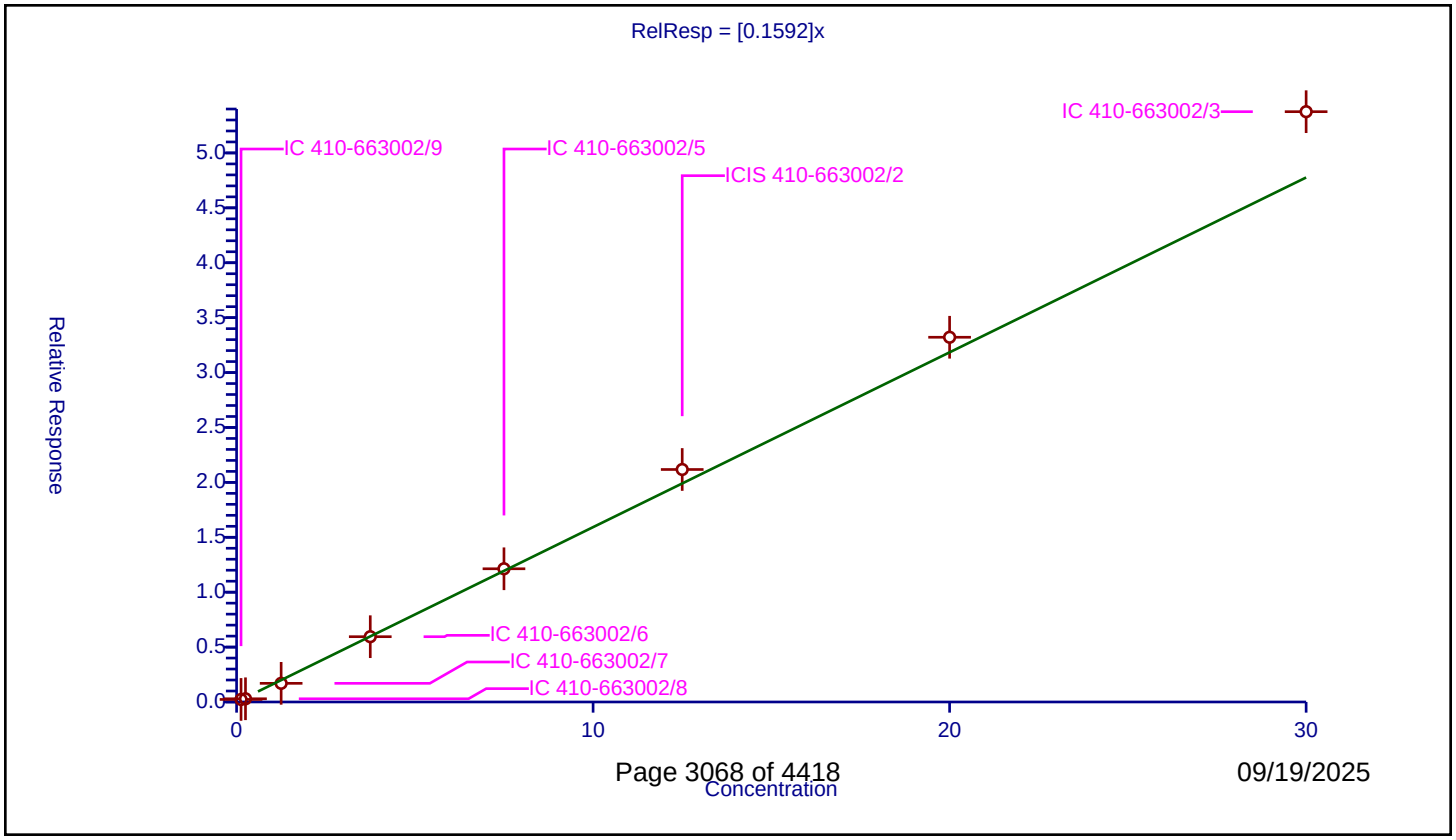
Curve Coefficients

Intercept:	0
Slope:	0.1592

Error Coefficients

Relative Standard Deviation:	14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.023221	5.0	660830.0	0.185766	Y
2	IC 410-663002/8	0.25	0.029299	5.0	703775.0	0.117197	Y
3	IC 410-663002/7	1.25	0.169783	5.0	705136.0	0.135826	Y
4	IC 410-663002/6	3.75	0.594486	5.0	720496.0	0.15853	Y
5	IC 410-663002/5	7.5	1.213243	5.0	681508.0	0.161766	Y
6	ICIS 410-663002/2	12.5	2.117182	5.0	725580.0	0.169375	Y
7	IC 410-663002/4	20.0	3.321461	5.0	805087.0	0.166073	Y
8	IC 410-663002/3	30.0	5.375784	5.0	698393.0	0.179193	Y



Calibration / Chlorobenzilate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

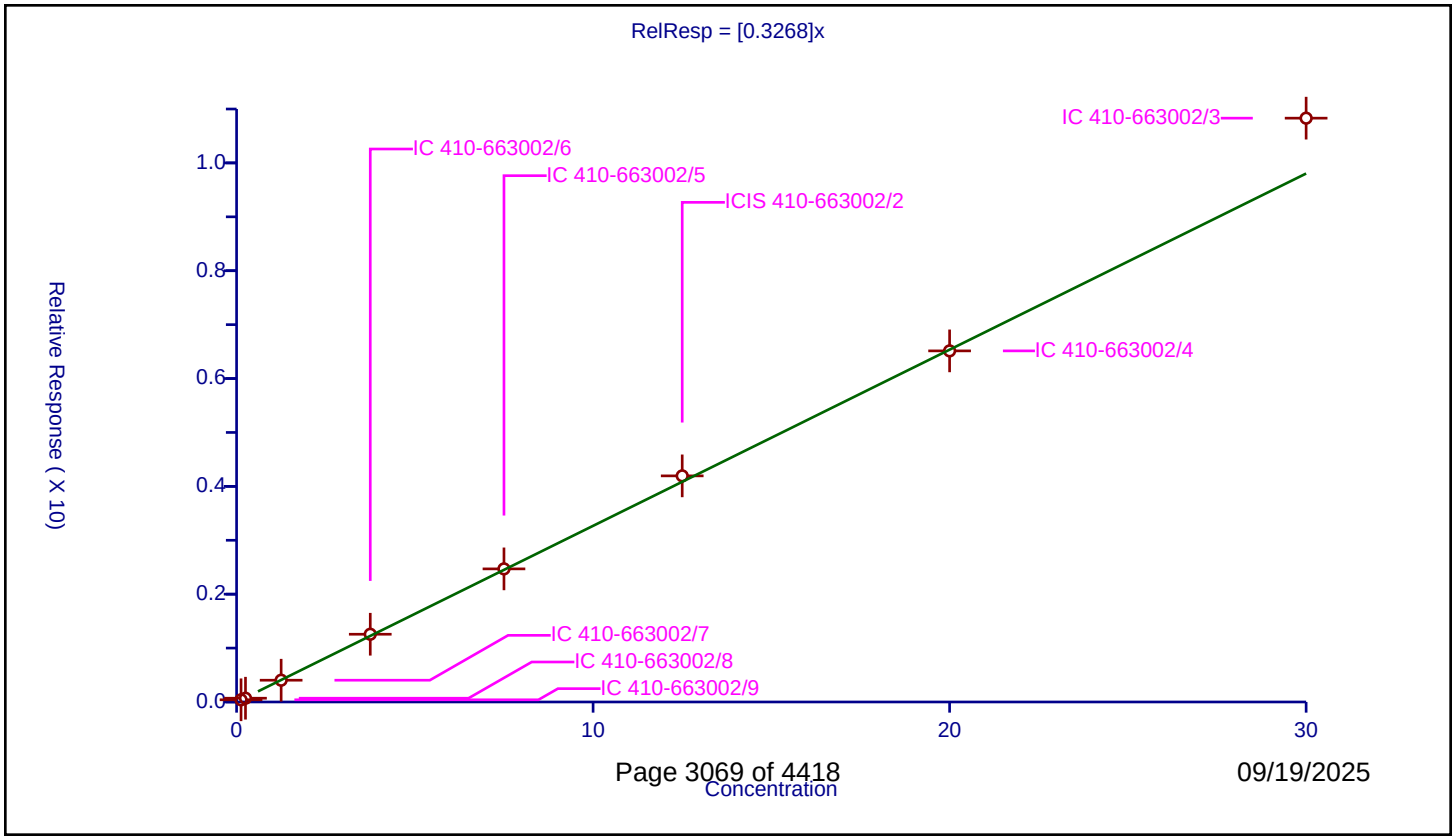
Curve Coefficients

Intercept:	0
Slope:	0.3268

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.040616	5.0	660830.0	0.324925	Y
2	IC 410-663002/8	0.25	0.069859	5.0	703775.0	0.279436	Y
3	IC 410-663002/7	1.25	0.403972	5.0	705136.0	0.323177	Y
4	IC 410-663002/6	3.75	1.256829	5.0	720496.0	0.335154	Y
5	IC 410-663002/5	7.5	2.46934	5.0	681508.0	0.329245	Y
6	ICIS 410-663002/2	12.5	4.194548	5.0	725580.0	0.335564	Y
7	IC 410-663002/4	20.0	6.513308	5.0	805087.0	0.325665	Y
8	IC 410-663002/3	30.0	10.83027	5.0	698393.0	0.361009	Y



Calibration / 3,3'-Dimethylbenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

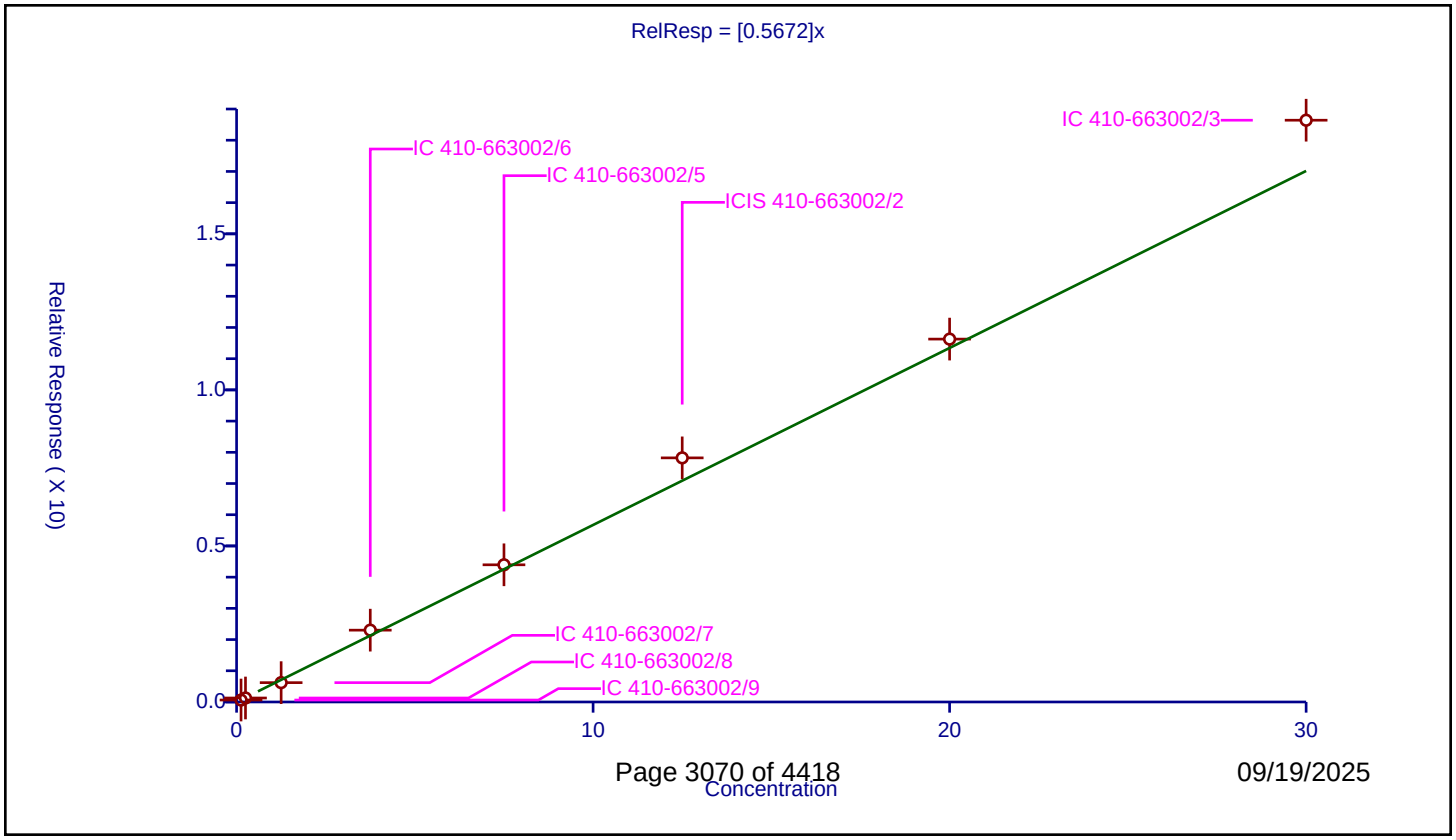
Curve Coefficients

Intercept:	0
Slope:	0.5672

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.062611	5.0	660830.0	0.500885	Y
2	IC 410-663002/8	0.25	0.128109	5.0	703775.0	0.512437	Y
3	IC 410-663002/7	1.25	0.619951	5.0	705136.0	0.495961	Y
4	IC 410-663002/6	3.75	2.301179	5.0	720496.0	0.613648	Y
5	IC 410-663002/5	7.5	4.396111	5.0	681508.0	0.586148	Y
6	ICIS 410-663002/2	12.5	7.822259	5.0	725580.0	0.625781	Y
7	IC 410-663002/4	20.0	11.627495	5.0	805087.0	0.581375	Y
8	IC 410-663002/3	30.0	18.640765	5.0	698393.0	0.621359	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

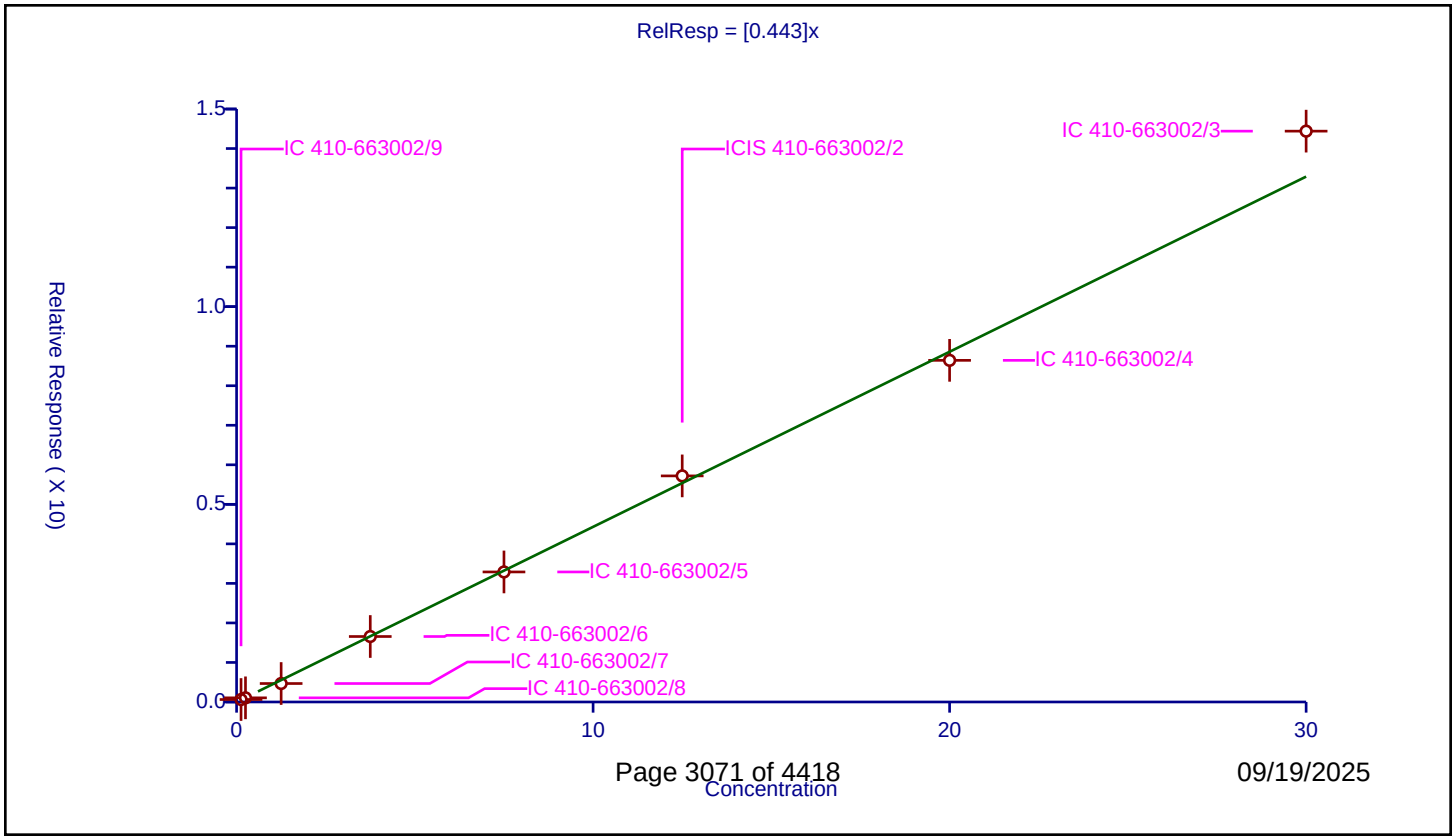
Curve Coefficients

Intercept:	0
Slope:	0.443

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.062497	5.0	660830.0	0.499977	Y
2	IC 410-663002/8	0.25	0.104813	5.0	703775.0	0.419253	Y
3	IC 410-663002/7	1.25	0.466889	5.0	705136.0	0.373511	Y
4	IC 410-663002/6	3.75	1.656144	5.0	720496.0	0.441638	Y
5	IC 410-663002/5	7.5	3.289551	5.0	681508.0	0.438607	Y
6	ICIS 410-663002/2	12.5	5.719466	5.0	725580.0	0.457557	Y
7	IC 410-663002/4	20.0	8.641923	5.0	805087.0	0.432096	Y
8	IC 410-663002/3	30.0	14.440344	5.0	698393.0	0.481345	Y



Calibration / 2-Acetylaminofluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

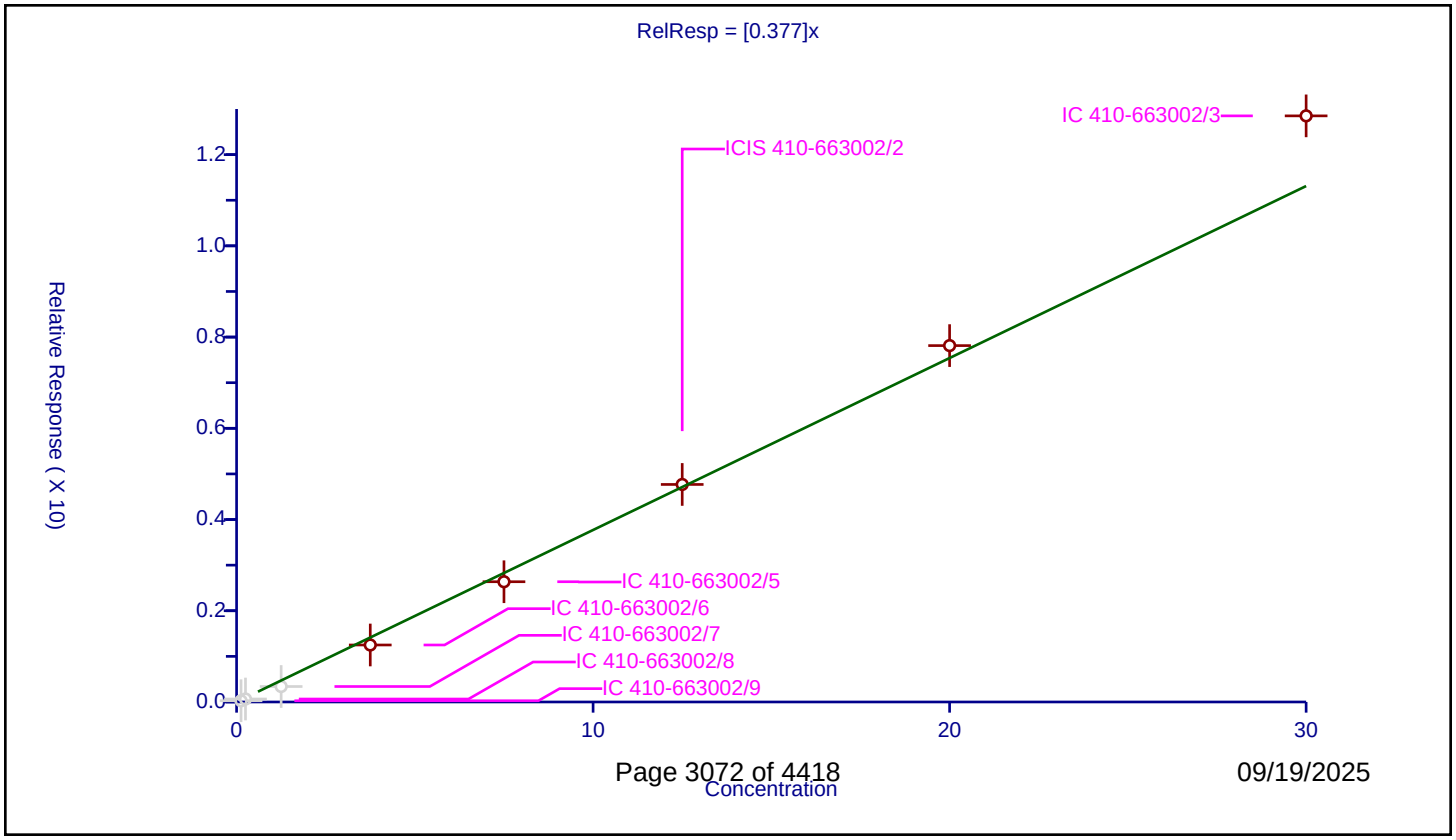
Curve Coefficients

Intercept:	0
Slope:	0.377

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.027178	5.0	660830.0	0.217424	N
2	IC 410-663002/8	0.25	0.065198	5.0	703775.0	0.260794	N
3	IC 410-663002/7	1.25	0.339367	5.0	705136.0	0.271494	N
4	IC 410-663002/6	3.75	1.249348	5.0	720496.0	0.333159	Y
5	IC 410-663002/5	7.5	2.636095	5.0	681508.0	0.351479	Y
6	ICIS 410-663002/2	12.5	4.768826	5.0	725580.0	0.381506	Y
7	IC 410-663002/4	20.0	7.813354	5.0	805087.0	0.390668	Y
8	IC 410-663002/3	30.0	12.849921	5.0	698393.0	0.428331	Y



Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

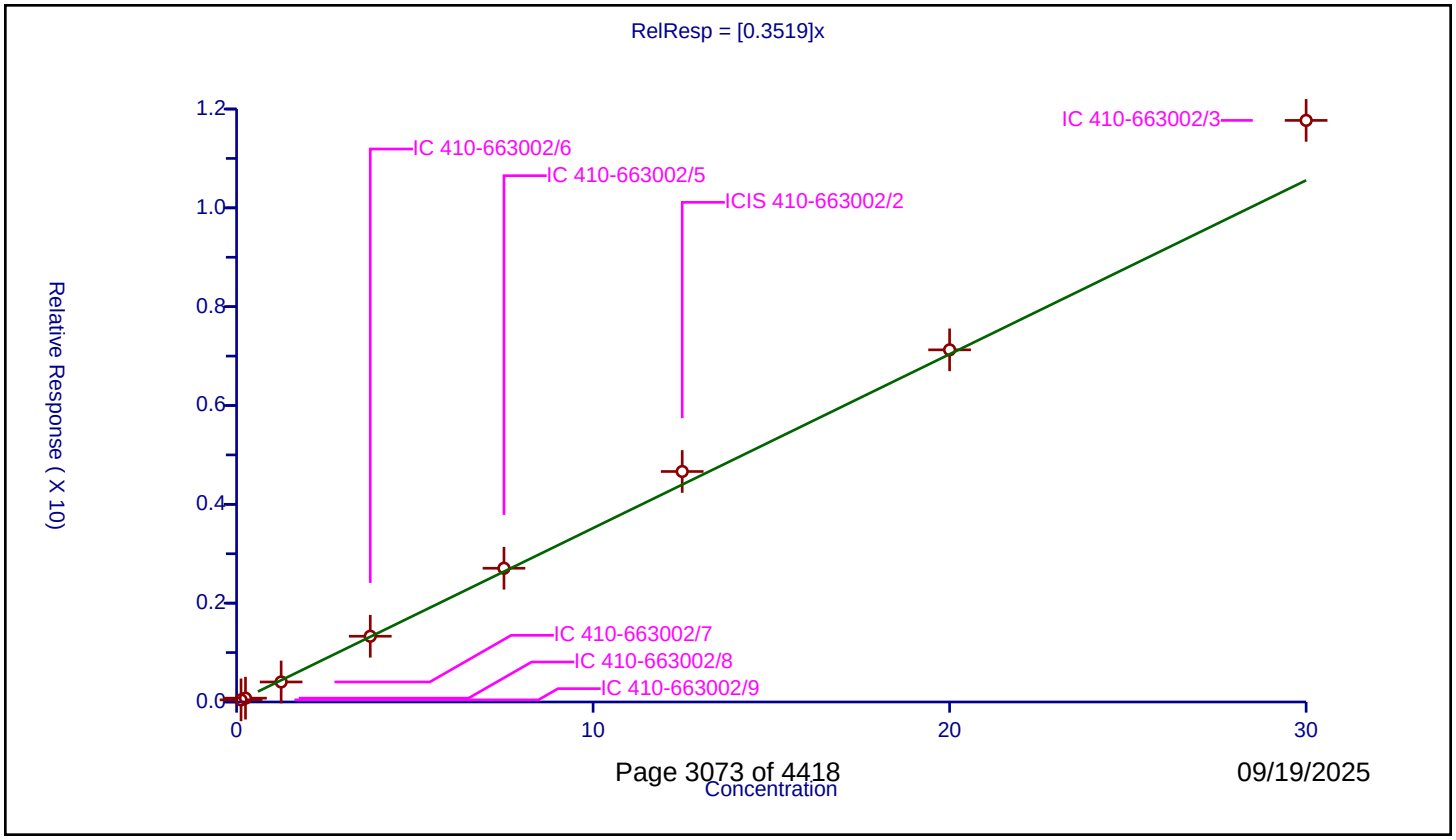
Curve Coefficients

Intercept:	0
Slope:	0.3519

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.042923	5.0	660830.0	0.343386	Y
2	IC 410-663002/8	0.25	0.077553	5.0	703775.0	0.310213	Y
3	IC 410-663002/7	1.25	0.405135	5.0	705136.0	0.324108	Y
4	IC 410-663002/6	3.75	1.330549	5.0	720496.0	0.354813	Y
5	IC 410-663002/5	7.5	2.706601	5.0	681508.0	0.36088	Y
6	ICIS 410-663002/2	12.5	4.664558	5.0	725580.0	0.373165	Y
7	IC 410-663002/4	20.0	7.126143	5.0	805087.0	0.356307	Y
8	IC 410-663002/3	30.0	11.769441	5.0	698393.0	0.392315	Y



Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

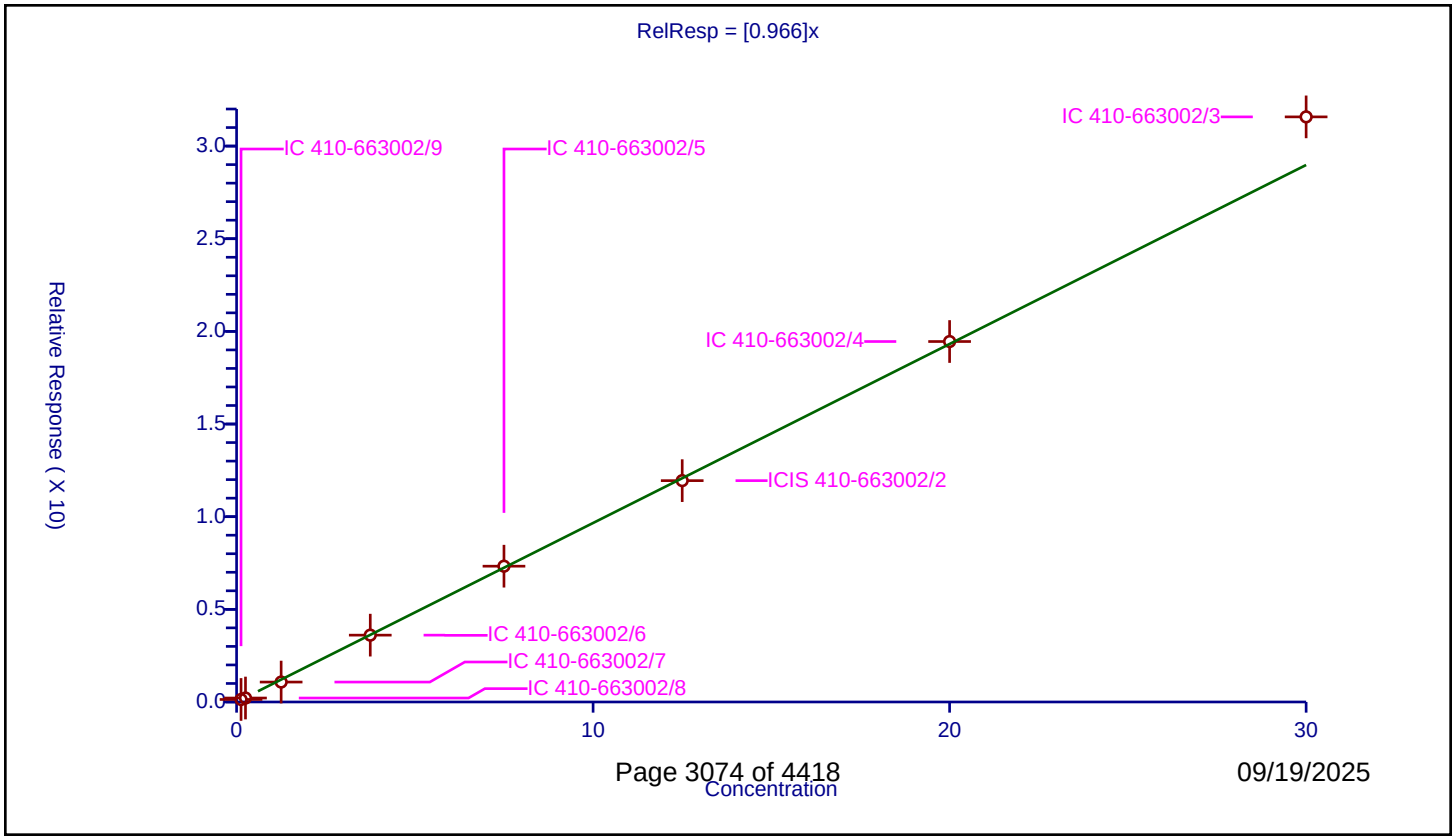
Curve Coefficients

Intercept:	0
Slope:	0.966

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.136223	5.0	660830.0	1.089781	Y
2	IC 410-663002/8	0.25	0.21438	5.0	703775.0	0.857518	Y
3	IC 410-663002/7	1.25	1.076097	5.0	705136.0	0.860878	Y
4	IC 410-663002/6	3.75	3.607244	5.0	720496.0	0.961932	Y
5	IC 410-663002/5	7.5	7.327786	5.0	681508.0	0.977038	Y
6	ICIS 410-663002/2	12.5	11.945706	5.0	725580.0	0.955656	Y
7	IC 410-663002/4	20.0	19.452798	5.0	805087.0	0.97264	Y
8	IC 410-663002/3	30.0	31.575653	5.0	698393.0	1.052522	Y



Calibration / 4,4'-Methylene bis(2-chloroaniline)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

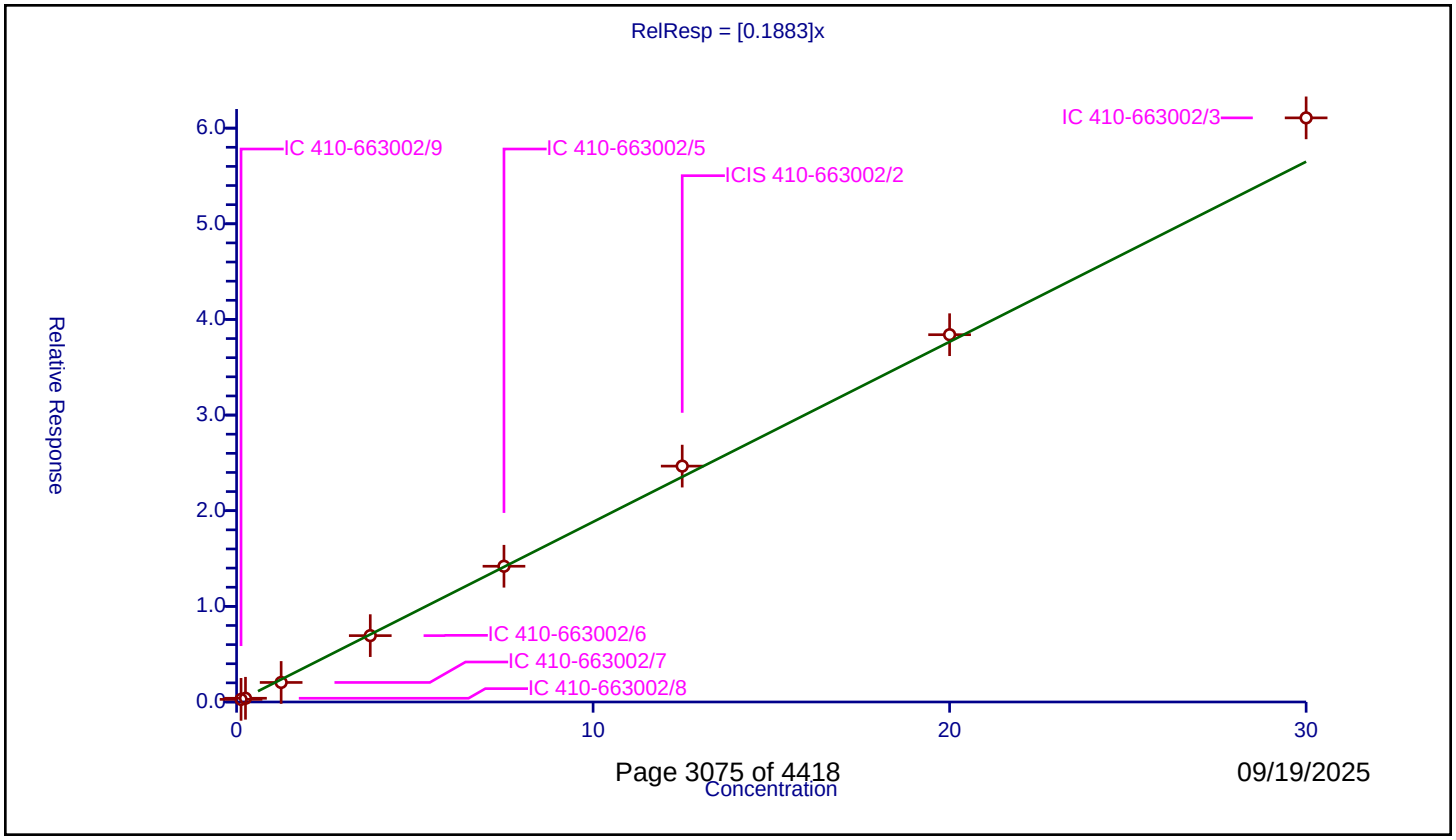
Curve Coefficients

Intercept:	0
Slope:	0.1883

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.027587	5.0	660830.0	0.220692	Y
2	IC 410-663002/8	0.25	0.038791	5.0	703775.0	0.155163	Y
3	IC 410-663002/7	1.25	0.204358	5.0	705136.0	0.163486	Y
4	IC 410-663002/6	3.75	0.693737	5.0	720496.0	0.184997	Y
5	IC 410-663002/5	7.5	1.419396	5.0	681508.0	0.189253	Y
6	ICIS 410-663002/2	12.5	2.466365	5.0	725580.0	0.197309	Y
7	IC 410-663002/4	20.0	3.840268	5.0	805087.0	0.192013	Y
8	IC 410-663002/3	30.0	6.107335	5.0	698393.0	0.203578	Y



Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

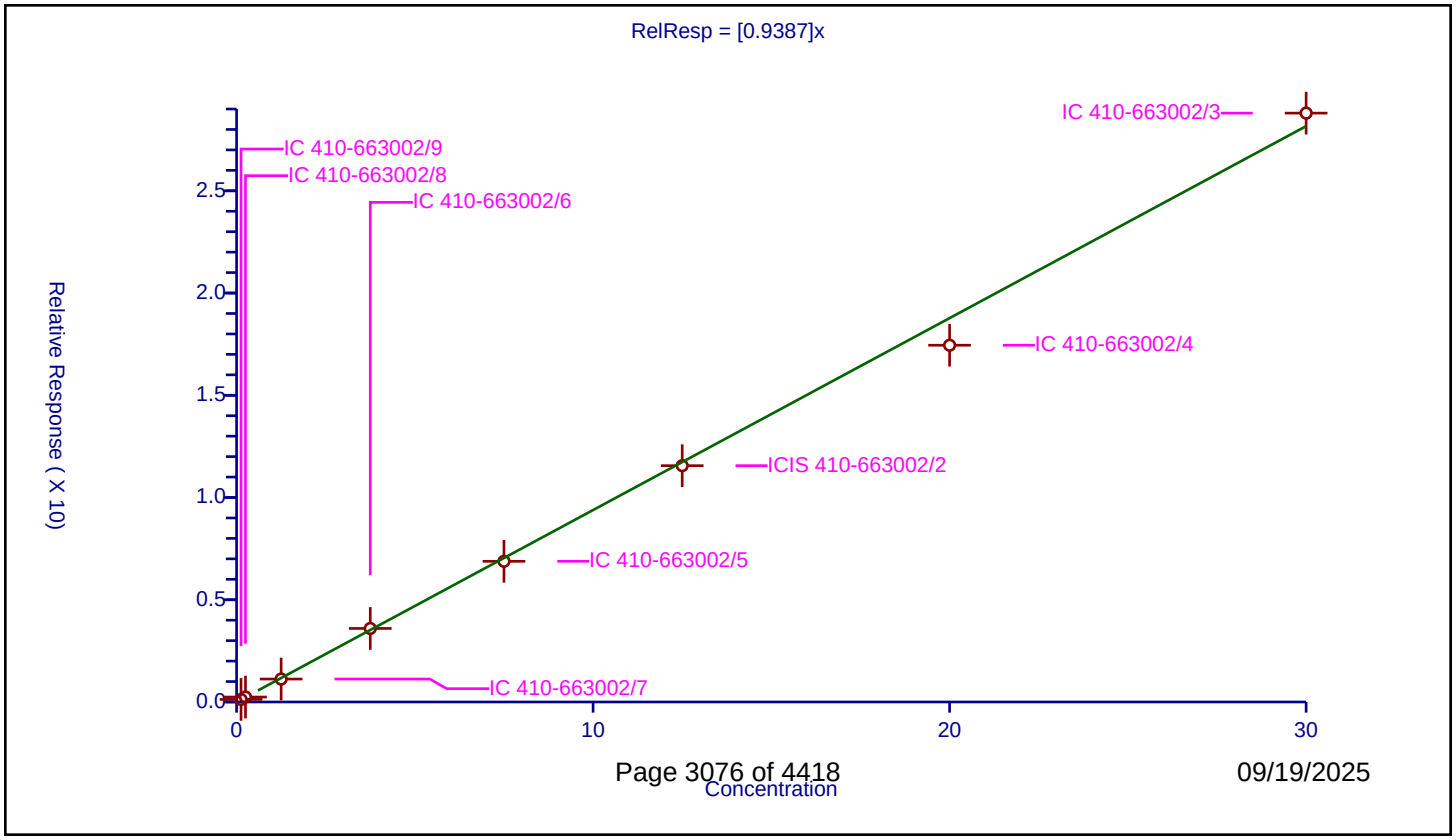
Curve Coefficients

Intercept:	0
Slope:	0.9387

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.126281	5.0	660830.0	1.010245	Y
2	IC 410-663002/8	0.25	0.24203	5.0	703775.0	0.968122	Y
3	IC 410-663002/7	1.25	1.122663	5.0	705136.0	0.89813	Y
4	IC 410-663002/6	3.75	3.596009	5.0	720496.0	0.958936	Y
5	IC 410-663002/5	7.5	6.879743	5.0	681508.0	0.917299	Y
6	ICIS 410-663002/2	12.5	11.556865	5.0	725580.0	0.924549	Y
7	IC 410-663002/4	20.0	17.448152	5.0	805087.0	0.872408	Y
8	IC 410-663002/3	30.0	28.798642	5.0	698393.0	0.959955	Y



Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

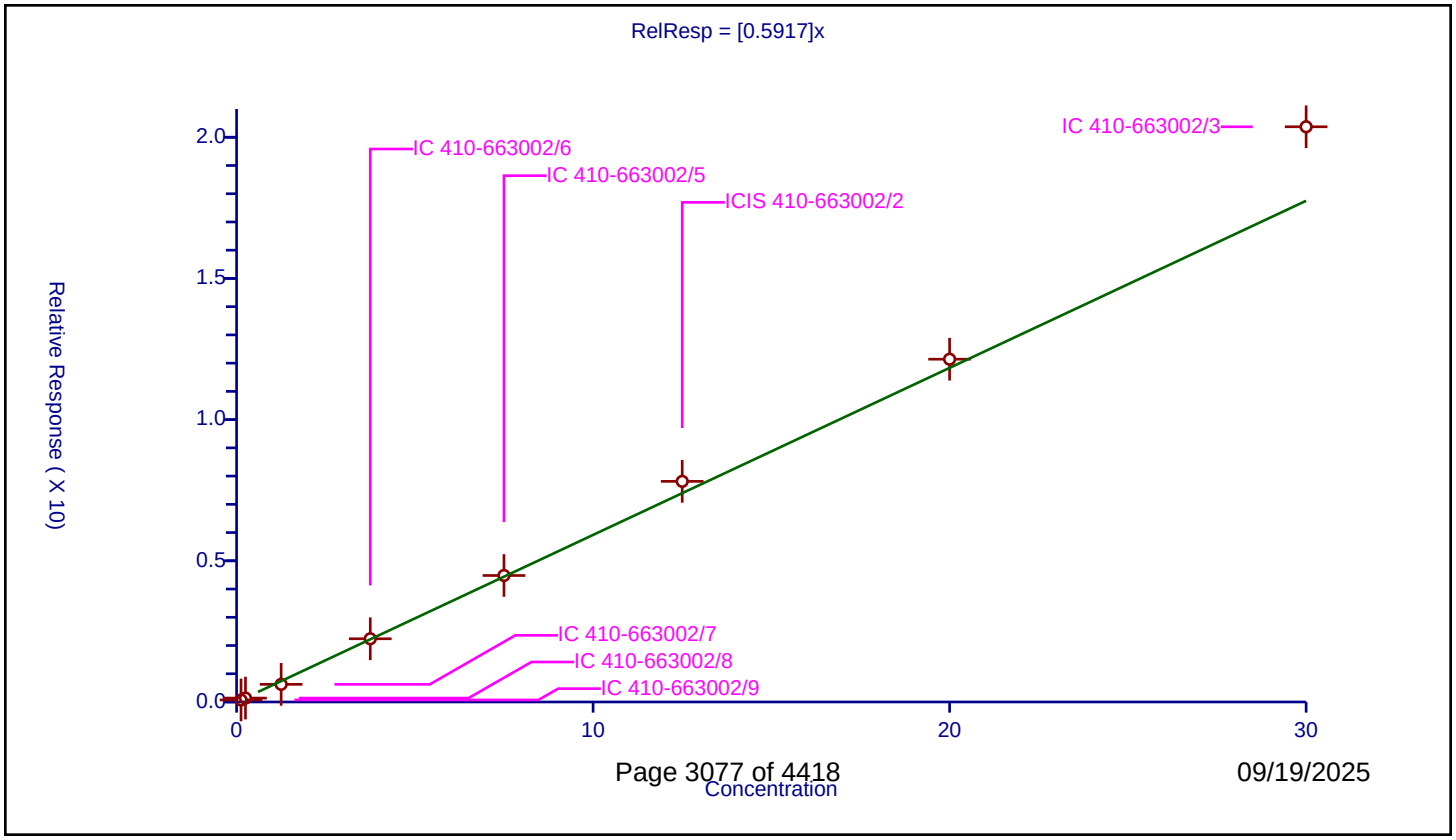
Curve Coefficients

Intercept:	0
Slope:	0.5917

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.072	5.0	660830.0	0.576003	Y
2	IC 410-663002/8	0.25	0.138041	5.0	703775.0	0.552165	Y
3	IC 410-663002/7	1.25	0.62456	5.0	705136.0	0.499648	Y
4	IC 410-663002/6	3.75	2.238888	5.0	720496.0	0.597037	Y
5	IC 410-663002/5	7.5	4.47972	5.0	681508.0	0.597296	Y
6	ICIS 410-663002/2	12.5	7.813315	5.0	725580.0	0.625065	Y
7	IC 410-663002/4	20.0	12.139346	5.0	805087.0	0.606967	Y
8	IC 410-663002/3	30.0	20.370708	5.0	698393.0	0.679024	Y



09/19/2025

Calibration / 6-Methylchrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

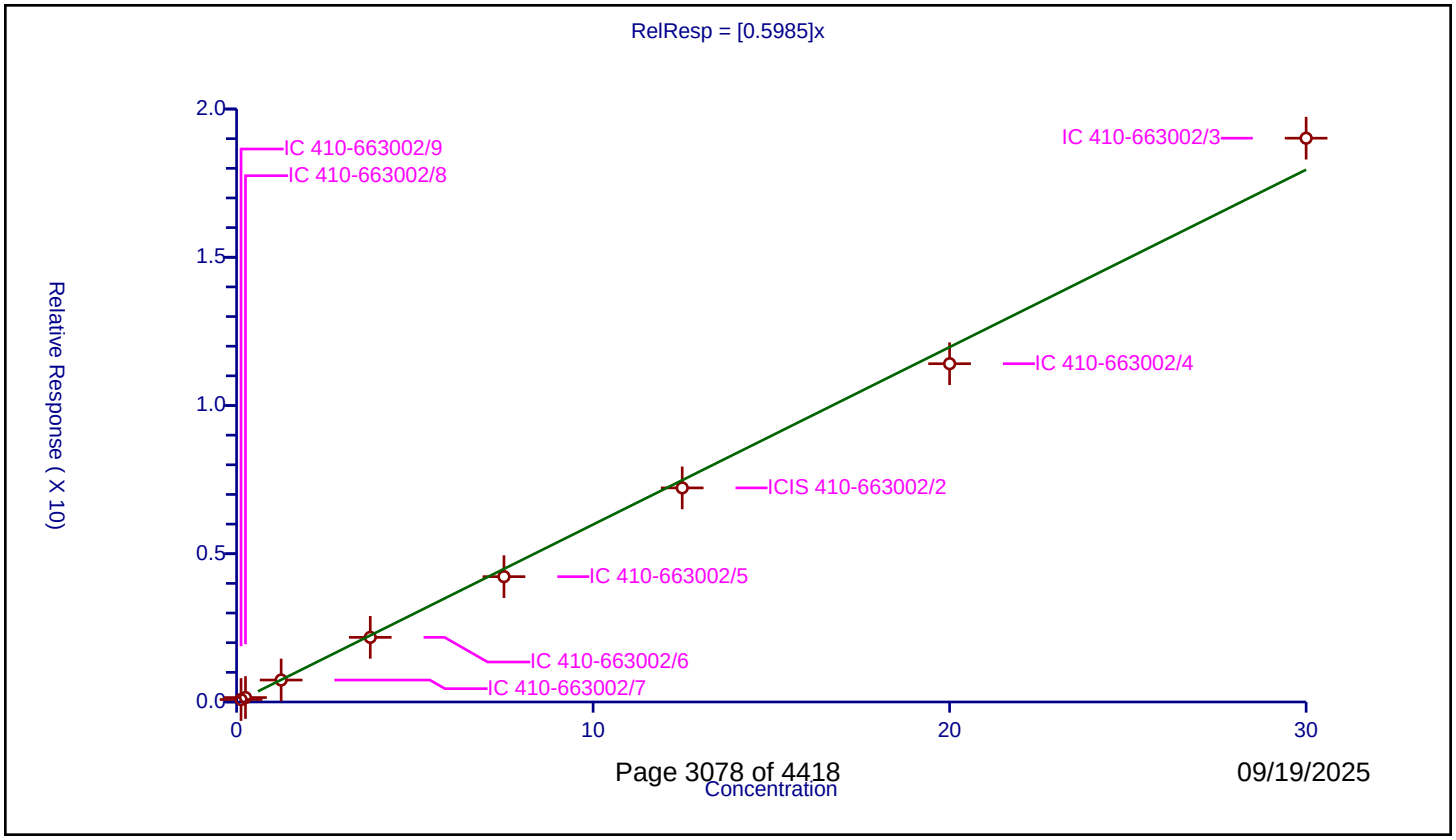
Curve Coefficients

Intercept:	0
Slope:	0.5985

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.083577	5.0	660830.0	0.668614	Y
2	IC 410-663002/8	0.25	0.149963	5.0	703775.0	0.599851	Y
3	IC 410-663002/7	1.25	0.740339	5.0	705136.0	0.592272	Y
4	IC 410-663002/6	3.75	2.180116	5.0	720496.0	0.581364	Y
5	IC 410-663002/5	7.5	4.227537	5.0	681508.0	0.563672	Y
6	ICIS 410-663002/2	12.5	7.220761	5.0	725580.0	0.577661	Y
7	IC 410-663002/4	20.0	11.409227	5.0	805087.0	0.570461	Y
8	IC 410-663002/3	30.0	19.015719	5.0	698393.0	0.633857	Y



Calibration / Di-n-octyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

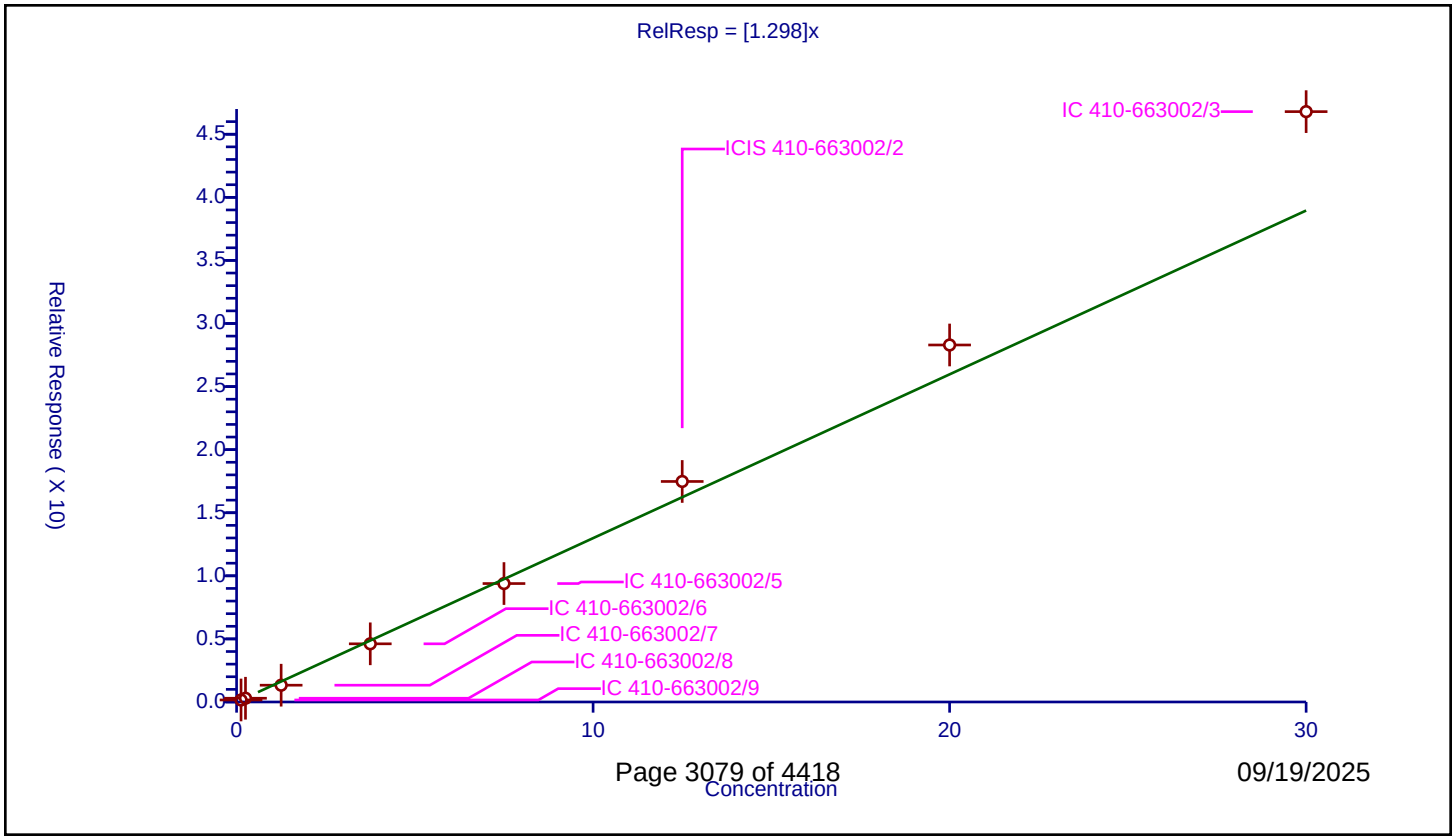
Curve Coefficients

Intercept:	0
Slope:	1.298

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.15964	5.0	461412.0	1.277123	Y
2	IC 410-663002/8	0.25	0.297842	5.0	504462.0	1.191368	Y
3	IC 410-663002/7	1.25	1.330727	5.0	499058.0	1.064582	Y
4	IC 410-663002/6	3.75	4.611914	5.0	535203.0	1.229844	Y
5	IC 410-663002/5	7.5	9.387891	5.0	497844.0	1.251719	Y
6	ICIS 410-663002/2	12.5	17.479296	5.0	513065.0	1.398344	Y
7	IC 410-663002/4	20.0	28.297216	5.0	546787.0	1.414861	Y
8	IC 410-663002/3	30.0	46.792638	5.0	477609.0	1.559755	Y



Calibration / 7,12-Dimethylbenz(a)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

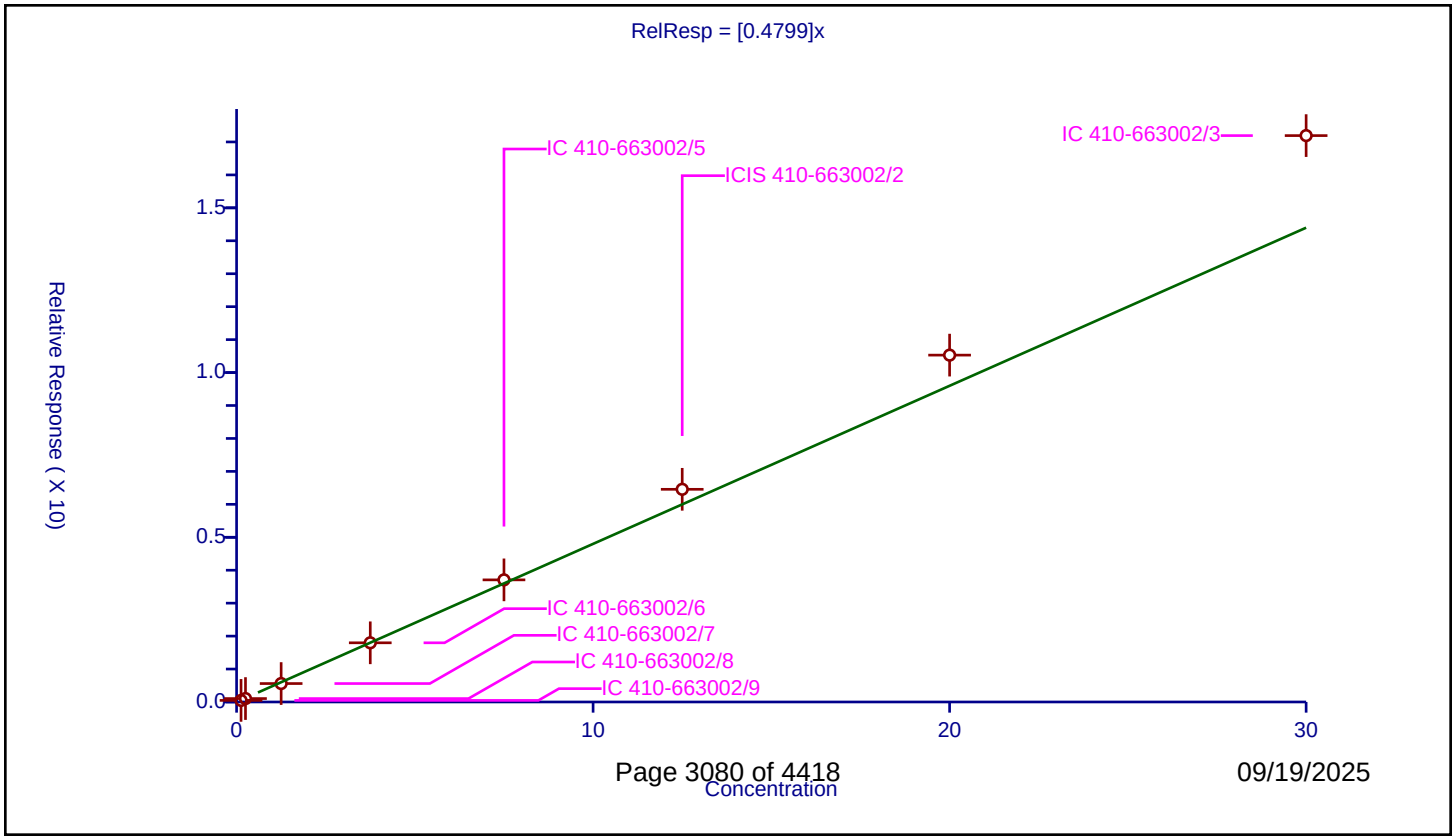
Curve Coefficients

Intercept:	0
Slope:	0.4799

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.048384	5.0	461412.0	0.387073	Y
2	IC 410-663002/8	0.25	0.103744	5.0	504462.0	0.414977	Y
3	IC 410-663002/7	1.25	0.559664	5.0	499058.0	0.447732	Y
4	IC 410-663002/6	3.75	1.796589	5.0	535203.0	0.47909	Y
5	IC 410-663002/5	7.5	3.706964	5.0	497844.0	0.494262	Y
6	ICIS 410-663002/2	12.5	6.456141	5.0	513065.0	0.516491	Y
7	IC 410-663002/4	20.0	10.529356	5.0	546787.0	0.526468	Y
8	IC 410-663002/3	30.0	17.193321	5.0	477609.0	0.573111	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

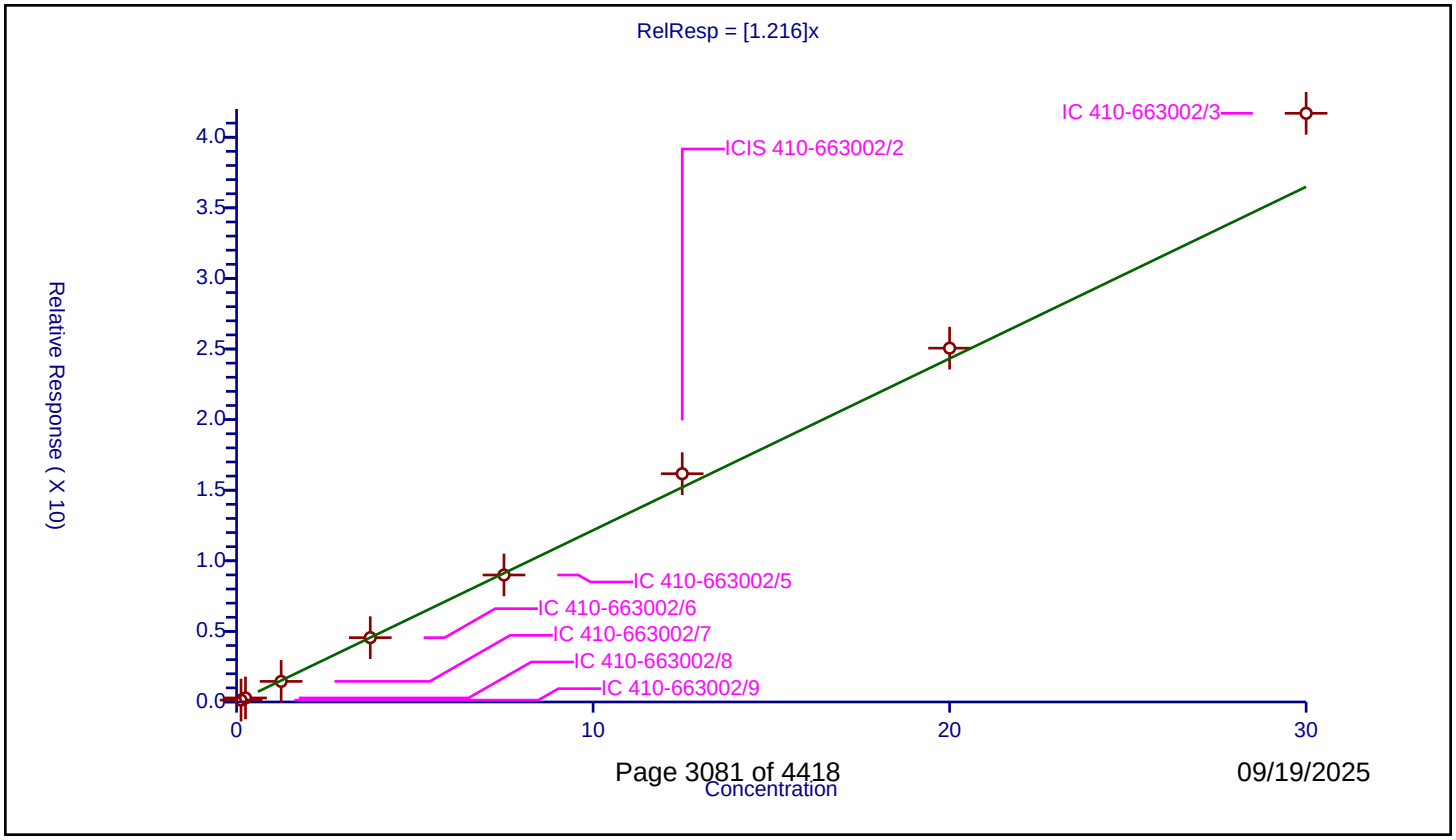
Curve Coefficients

Intercept:	0
Slope:	1.216

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.133254	5.0	461412.0	1.066032	Y
2	IC 410-663002/8	0.25	0.286711	5.0	504462.0	1.146846	Y
3	IC 410-663002/7	1.25	1.459099	5.0	499058.0	1.167279	Y
4	IC 410-663002/6	3.75	4.556224	5.0	535203.0	1.214993	Y
5	IC 410-663002/5	7.5	8.994996	5.0	497844.0	1.199333	Y
6	ICIS 410-663002/2	12.5	16.168692	5.0	513065.0	1.293495	Y
7	IC 410-663002/4	20.0	25.060444	5.0	546787.0	1.253022	Y
8	IC 410-663002/3	30.0	41.696796	5.0	477609.0	1.389893	Y



09/19/2025

Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

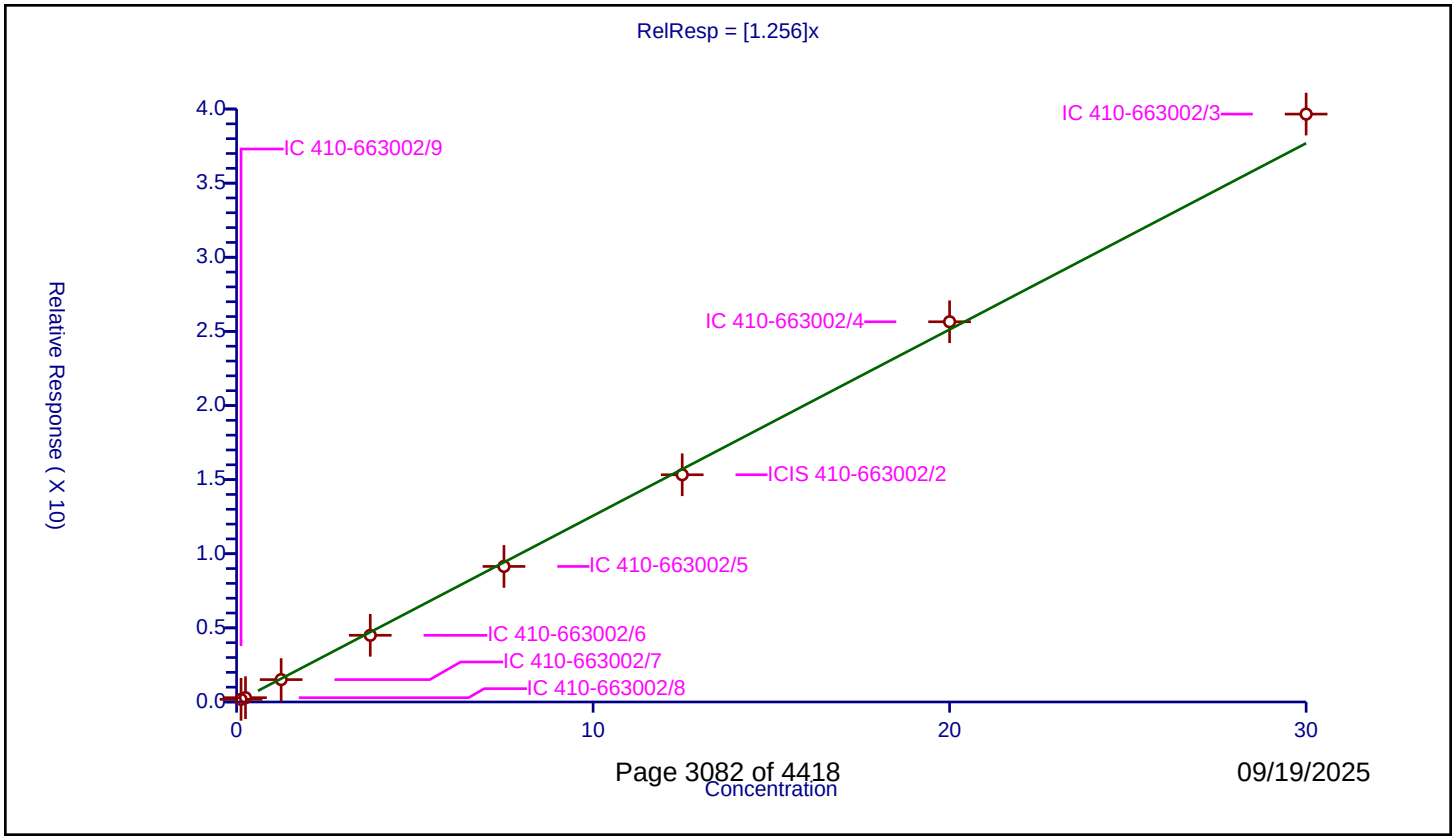
Curve Coefficients

Intercept:	0
Slope:	1.256

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.178441	5.0	461412.0	1.427531	Y
2	IC 410-663002/8	0.25	0.29138	5.0	504462.0	1.165519	Y
3	IC 410-663002/7	1.25	1.509955	5.0	499058.0	1.207964	Y
4	IC 410-663002/6	3.75	4.498994	5.0	535203.0	1.199732	Y
5	IC 410-663002/5	7.5	9.145274	5.0	497844.0	1.21937	Y
6	ICIS 410-663002/2	12.5	15.329637	5.0	513065.0	1.226371	Y
7	IC 410-663002/4	20.0	25.64965	5.0	546787.0	1.282482	Y
8	IC 410-663002/3	30.0	39.658183	5.0	477609.0	1.321939	Y



Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

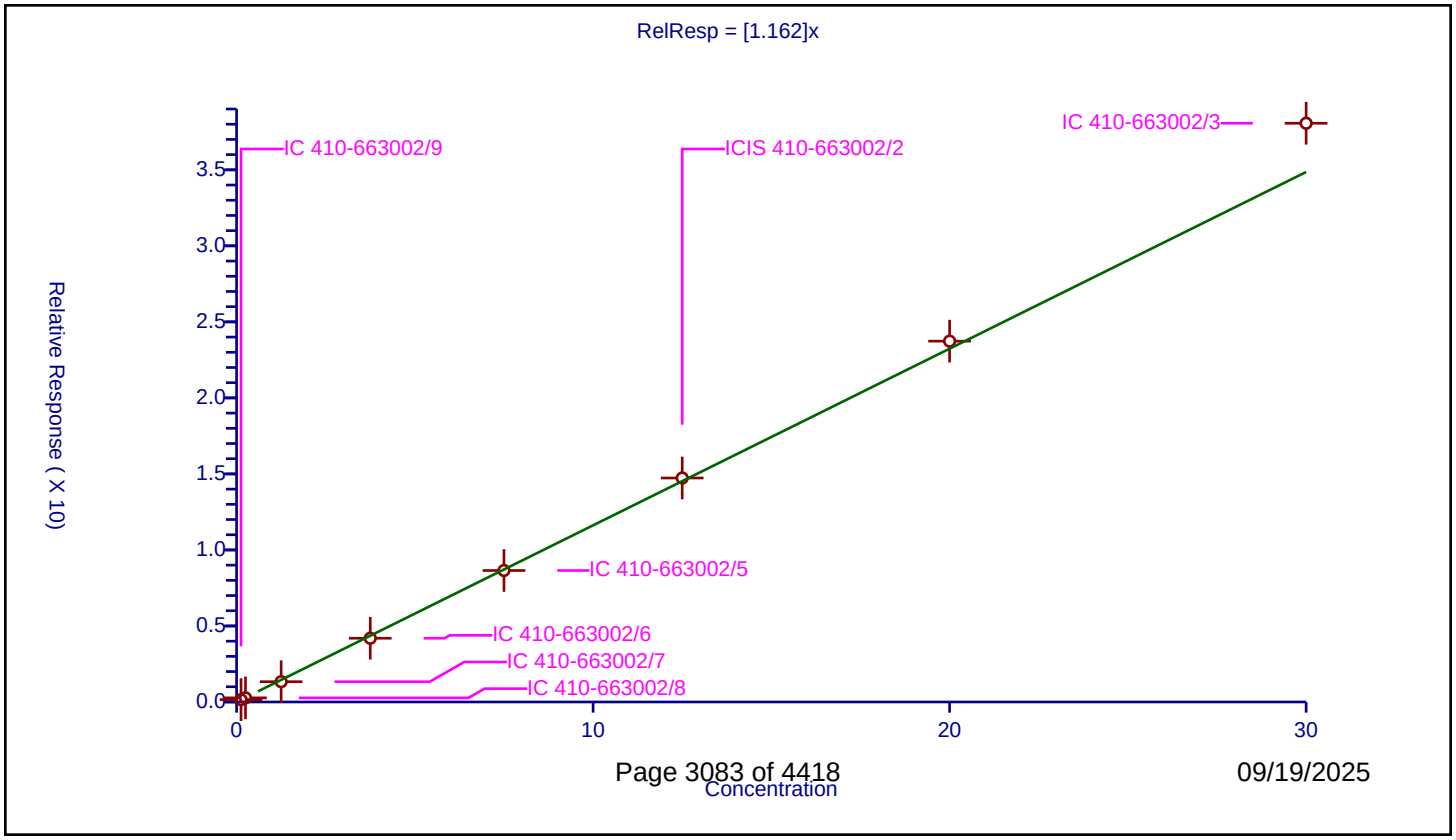
Curve Coefficients

Intercept:	0
Slope:	1.162

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.155046	5.0	461412.0	1.240367	Y
2	IC 410-663002/8	0.25	0.270665	5.0	504462.0	1.082658	Y
3	IC 410-663002/7	1.25	1.333773	5.0	499058.0	1.067018	Y
4	IC 410-663002/6	3.75	4.192559	5.0	535203.0	1.118016	Y
5	IC 410-663002/5	7.5	8.648281	5.0	497844.0	1.153104	Y
6	ICIS 410-663002/2	12.5	14.730941	5.0	513065.0	1.178475	Y
7	IC 410-663002/4	20.0	23.732377	5.0	546787.0	1.186619	Y
8	IC 410-663002/3	30.0	38.06396	5.0	477609.0	1.268799	Y



Calibration / 3-Methylcholanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

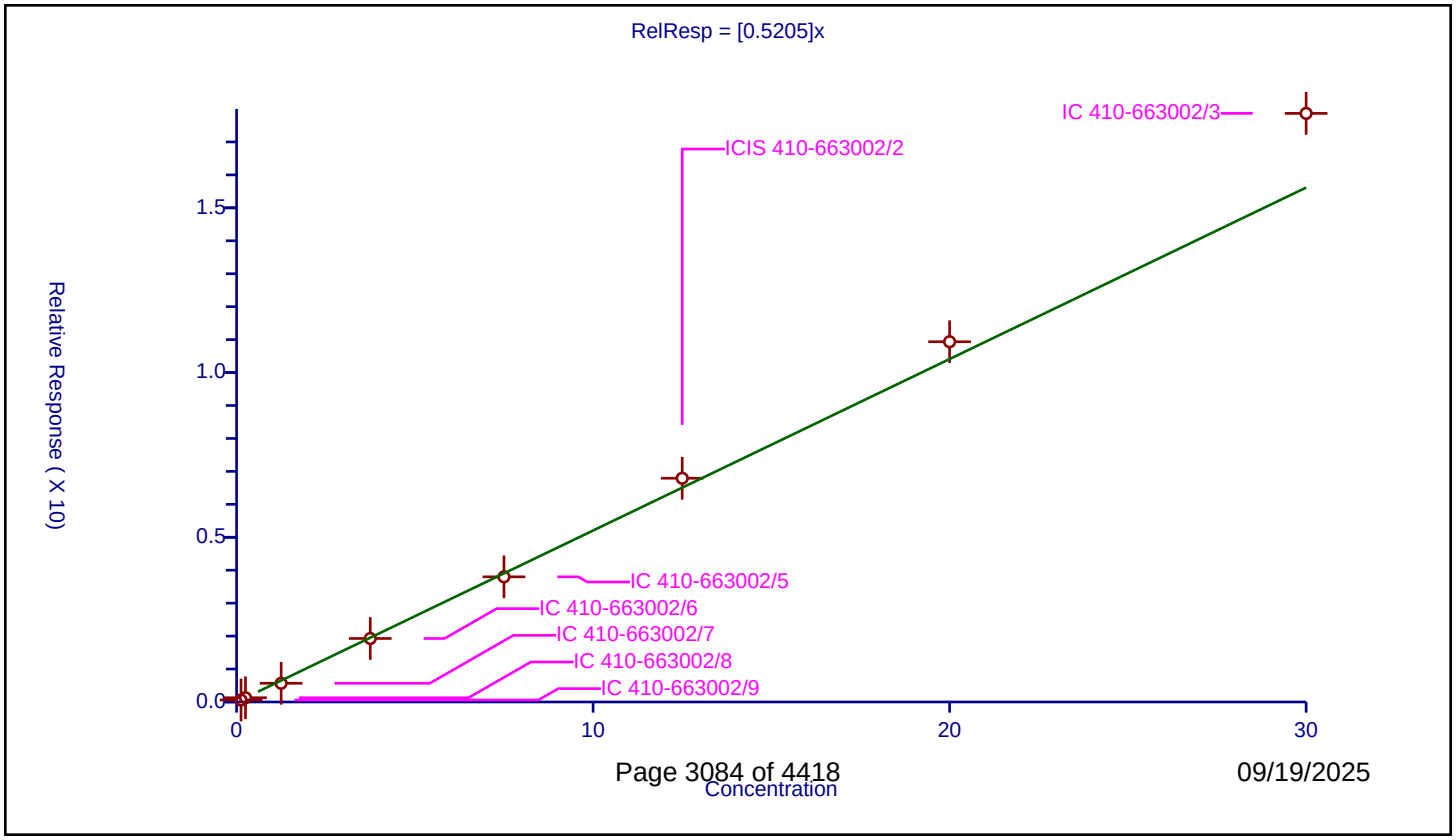
Curve Coefficients

Intercept:	0
Slope:	0.5205

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.060683	5.0	461412.0	0.485466	Y
2	IC 410-663002/8	0.25	0.129405	5.0	504462.0	0.517621	Y
3	IC 410-663002/7	1.25	0.5682	5.0	499058.0	0.45456	Y
4	IC 410-663002/6	3.75	1.927736	5.0	535203.0	0.514063	Y
5	IC 410-663002/5	7.5	3.799574	5.0	497844.0	0.50661	Y
6	ICIS 410-663002/2	12.5	6.791635	5.0	513065.0	0.543331	Y
7	IC 410-663002/4	20.0	10.935703	5.0	546787.0	0.546785	Y
8	IC 410-663002/3	30.0	17.866927	5.0	477609.0	0.595564	Y



Calibration / Dibenz[a,h]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

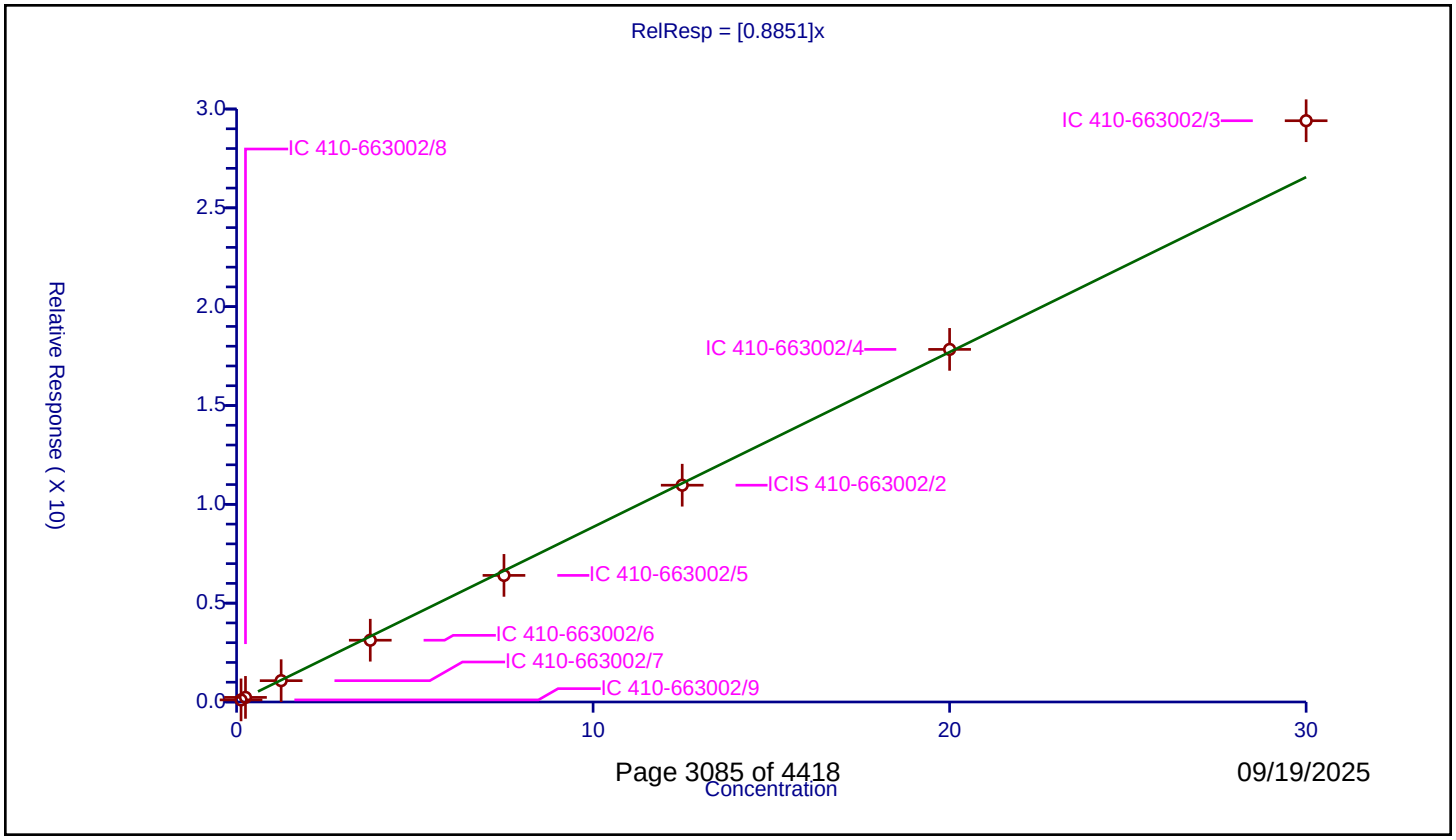
Curve Coefficients

Intercept:	0
Slope:	0.8851

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.106152	5.0	461412.0	0.849219	Y
2	IC 410-663002/8	0.25	0.233011	5.0	504462.0	0.932042	Y
3	IC 410-663002/7	1.25	1.078472	5.0	499058.0	0.862777	Y
4	IC 410-663002/6	3.75	3.124833	5.0	535203.0	0.833289	Y
5	IC 410-663002/5	7.5	6.404325	5.0	497844.0	0.85391	Y
6	ICIS 410-663002/2	12.5	10.968357	5.0	513065.0	0.877469	Y
7	IC 410-663002/4	20.0	17.838829	5.0	546787.0	0.891941	Y
8	IC 410-663002/3	30.0	29.407601	5.0	477609.0	0.980253	Y



Calibration / Dibenz[a,j]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

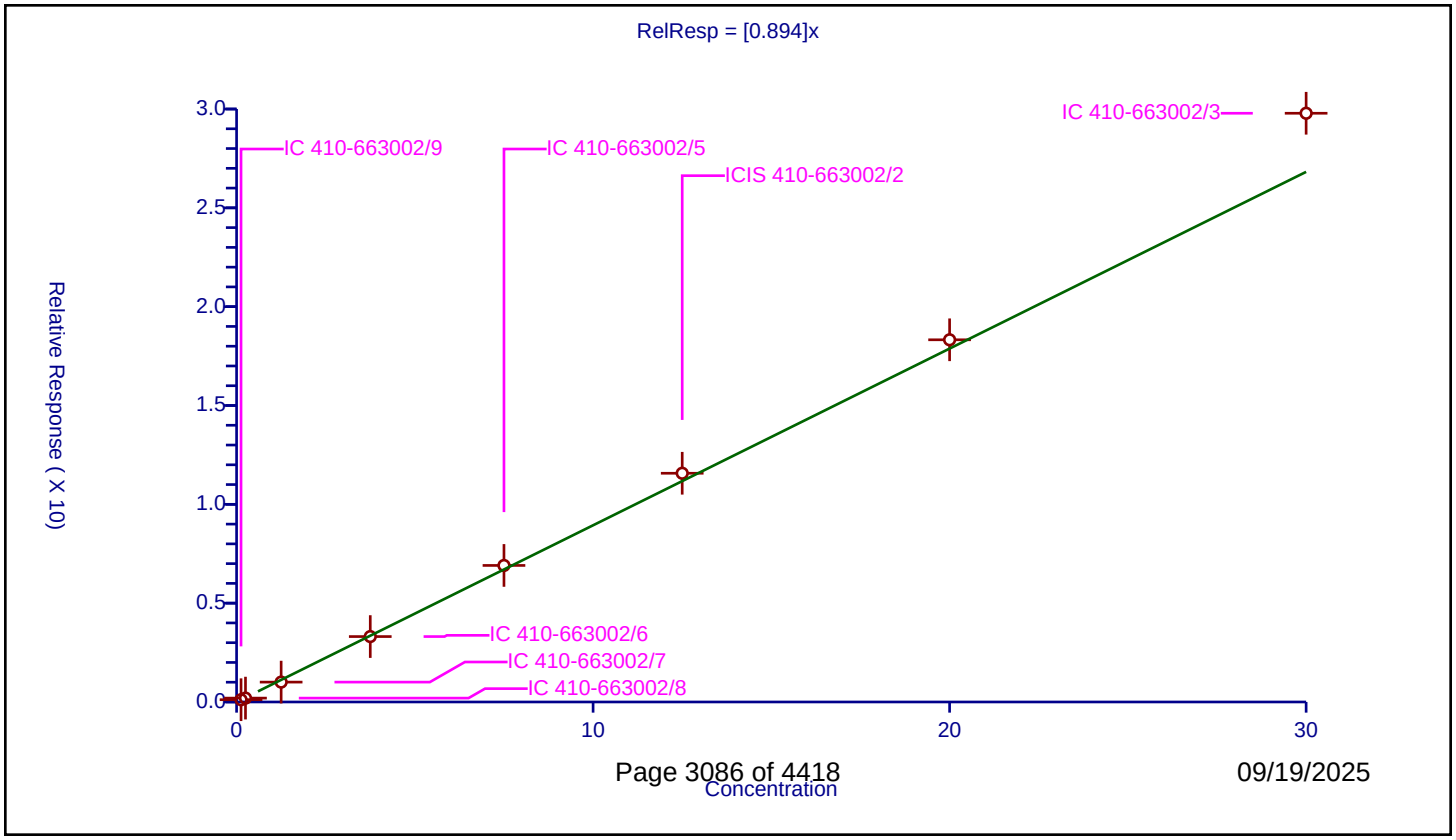
Curve Coefficients

Intercept:	0
Slope:	0.894

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.115678	5.0	461412.0	0.92542	Y
2	IC 410-663002/8	0.25	0.195773	5.0	504462.0	0.783092	Y
3	IC 410-663002/7	1.25	1.005975	5.0	499058.0	0.80478	Y
4	IC 410-663002/6	3.75	3.309996	5.0	535203.0	0.882666	Y
5	IC 410-663002/5	7.5	6.907555	5.0	497844.0	0.921007	Y
6	ICIS 410-663002/2	12.5	11.572403	5.0	513065.0	0.925792	Y
7	IC 410-663002/4	20.0	18.325225	5.0	546787.0	0.916261	Y
8	IC 410-663002/3	30.0	29.784887	5.0	477609.0	0.99283	Y



Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

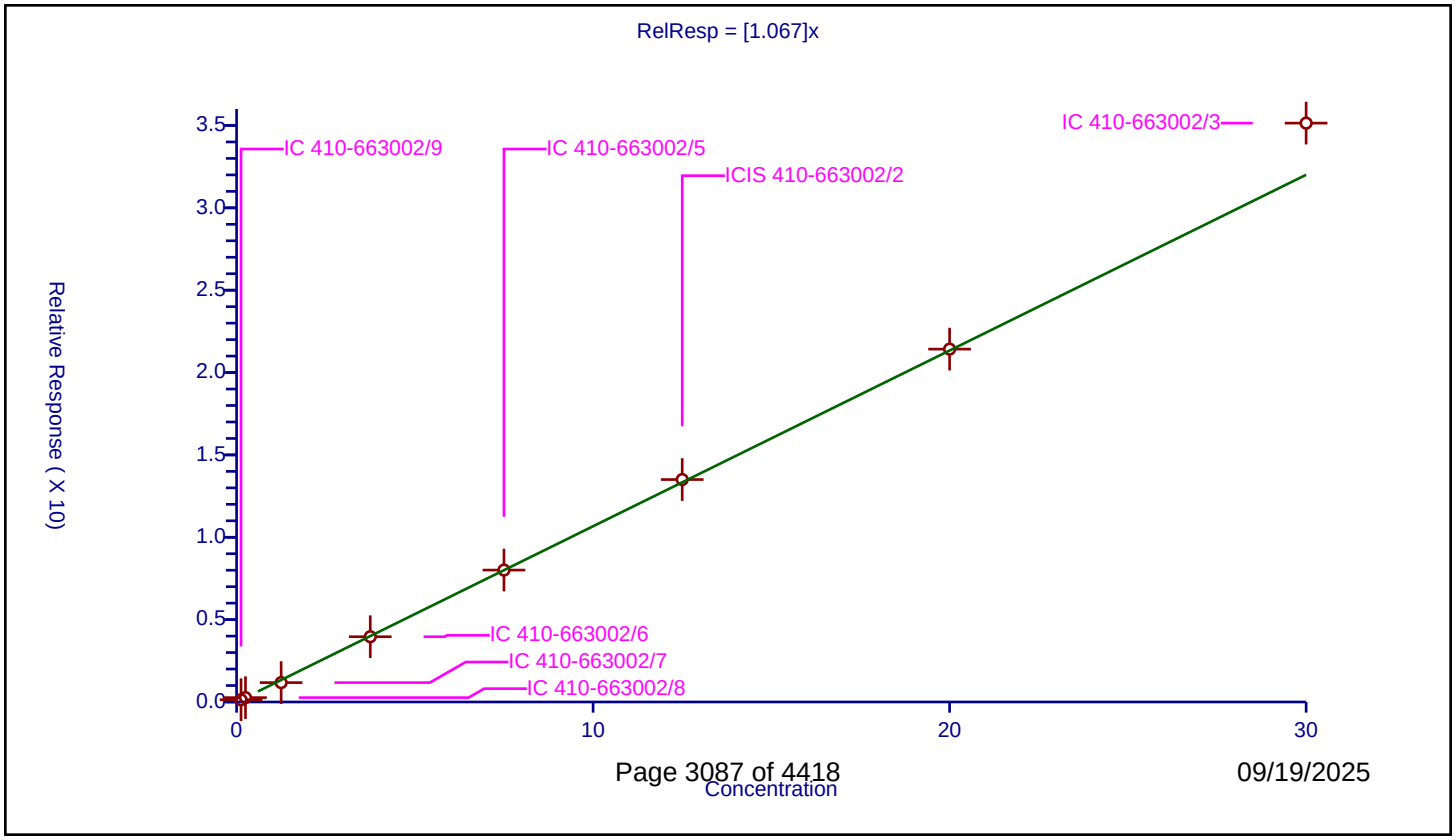
Curve Coefficients

Intercept:	0
Slope:	1.067

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.135822	5.0	461412.0	1.086578	Y
2	IC 410-663002/8	0.25	0.264985	5.0	504462.0	1.059941	Y
3	IC 410-663002/7	1.25	1.176517	5.0	499058.0	0.941213	Y
4	IC 410-663002/6	3.75	3.962637	5.0	535203.0	1.056703	Y
5	IC 410-663002/5	7.5	8.007669	5.0	497844.0	1.067689	Y
6	ICIS 410-663002/2	12.5	13.504039	5.0	513065.0	1.080323	Y
7	IC 410-663002/4	20.0	21.42283	5.0	546787.0	1.071142	Y
8	IC 410-663002/3	30.0	35.144166	5.0	477609.0	1.171472	Y



Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

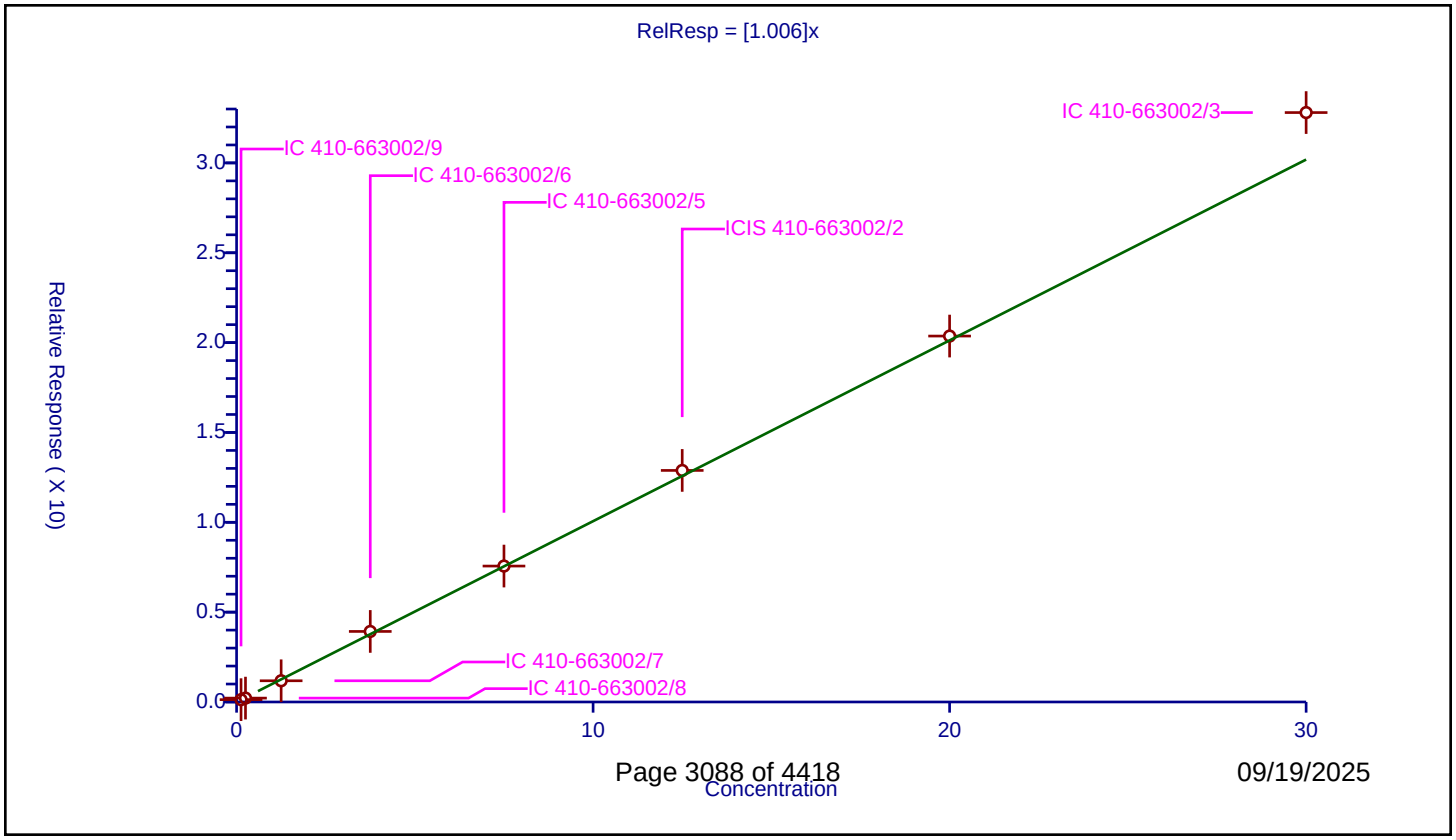
Curve Coefficients

Intercept:	0
Slope:	1.006

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.130231	5.0	461412.0	1.041845	Y
2	IC 410-663002/8	0.25	0.216211	5.0	504462.0	0.864842	Y
3	IC 410-663002/7	1.25	1.181195	5.0	499058.0	0.944956	Y
4	IC 410-663002/6	3.75	3.925585	5.0	535203.0	1.046823	Y
5	IC 410-663002/5	7.5	7.564729	5.0	497844.0	1.008631	Y
6	ICIS 410-663002/2	12.5	12.88597	5.0	513065.0	1.030878	Y
7	IC 410-663002/4	20.0	20.365005	5.0	546787.0	1.01825	Y
8	IC 410-663002/3	30.0	32.801915	5.0	477609.0	1.093397	Y



Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

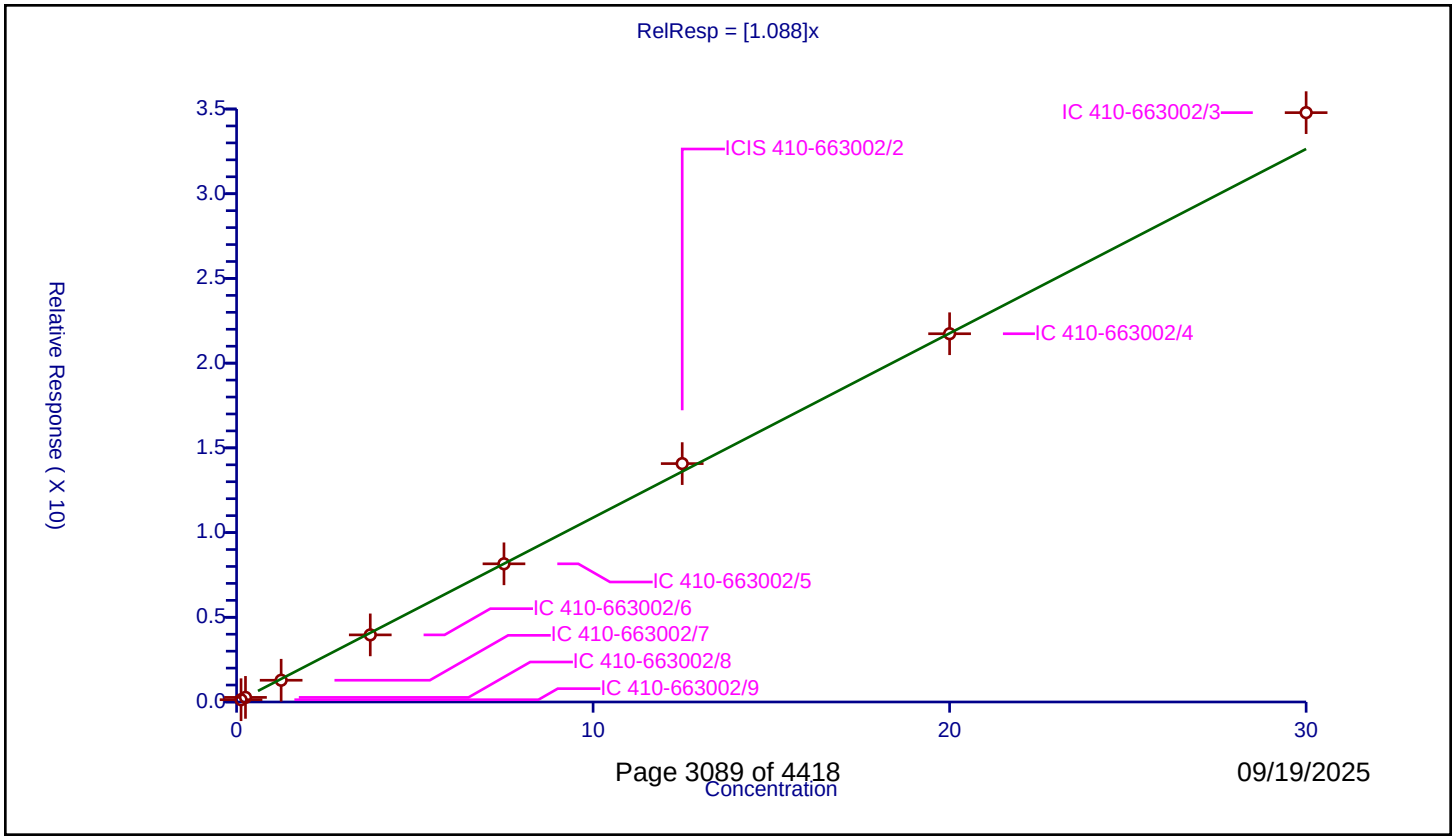
Curve Coefficients

Intercept:	0
Slope:	1.088

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.134327	5.0	461412.0	1.074614	Y
2	IC 410-663002/8	0.25	0.271923	5.0	504462.0	1.087693	Y
3	IC 410-663002/7	1.25	1.283388	5.0	499058.0	1.02671	Y
4	IC 410-663002/6	3.75	3.960376	5.0	535203.0	1.0561	Y
5	IC 410-663002/5	7.5	8.1563	5.0	497844.0	1.087507	Y
6	ICIS 410-663002/2	12.5	14.071414	5.0	513065.0	1.125713	Y
7	IC 410-663002/4	20.0	21.735237	5.0	546787.0	1.086762	Y
8	IC 410-663002/3	30.0	34.786489	5.0	477609.0	1.15955	Y



09/19/2025

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID (1): ICIS 410-630243/2 Instrument ID (1): HP23264

GC Column (1): DB-5MS 30m 0.25 ID: 0.25(mm) Date Analyzed (1): 04/14/2025 11:33

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.83	13.20

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1401a.D				
Injection Date:	14-Apr-2025 11:33:30	Instrument ID:	HP23264		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

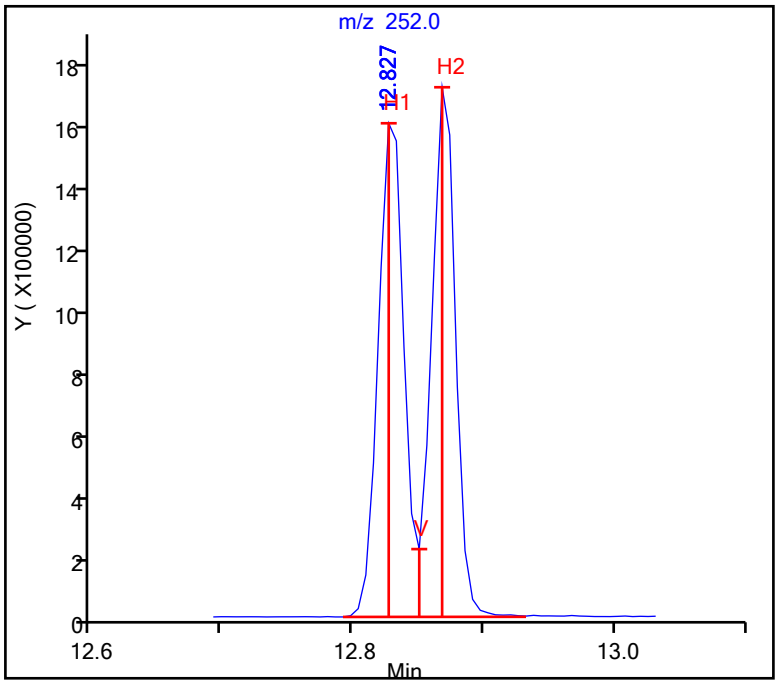
164 Benzo[b]fluoranthene - 165 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 215890
H1(164 Benzo[b]fluoranthen) = 1572248
H2(165 Benzo[k]fluoranthen) = 1686814

Version D: %R = 13.2 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID (1): ICIS 410-641051/2 Instrument ID (1): HP23264

GC Column (1): DB-5MS 30m 0.25 ID: 0.25(mm) Date Analyzed (1): 05/07/2025 23:49

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.66	16.40

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0751a.D				
Injection Date:	07-May-2025 23:49:30	Instrument ID:	HP23264		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

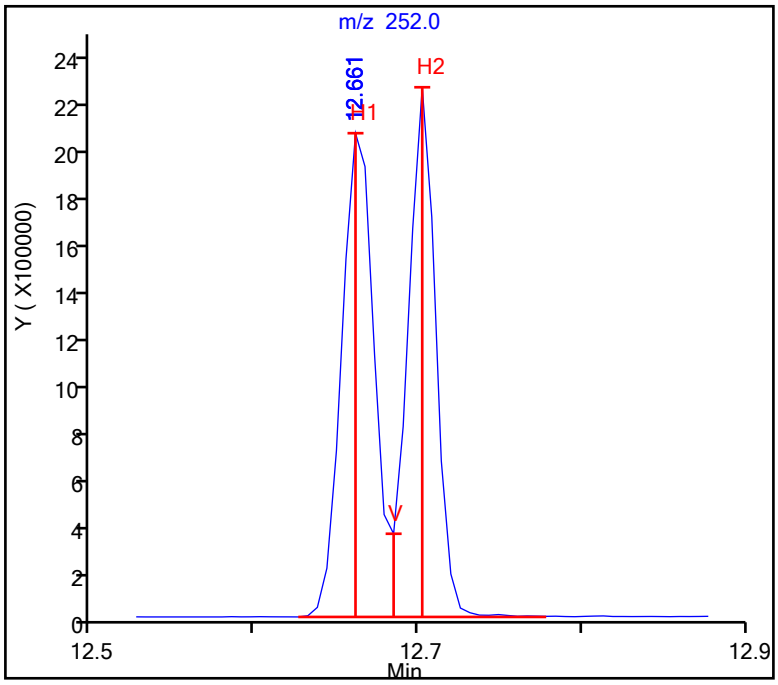
164 Benzo[b]fluoranthene - 165 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 347648
H1(164 Benzo[b]fluoranthen) = 2021888
H2(165 Benzo[k]fluoranthen) = 2213888

Version D: %R = 16.4 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID (1): ICIS 410-662998/2 Instrument ID (1): HP19760

GC Column (1): DB-5MS 30m 0.25 ID: 0.25(mm) Date Analyzed (1): 06/25/2025 23:30

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.04	23.20

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

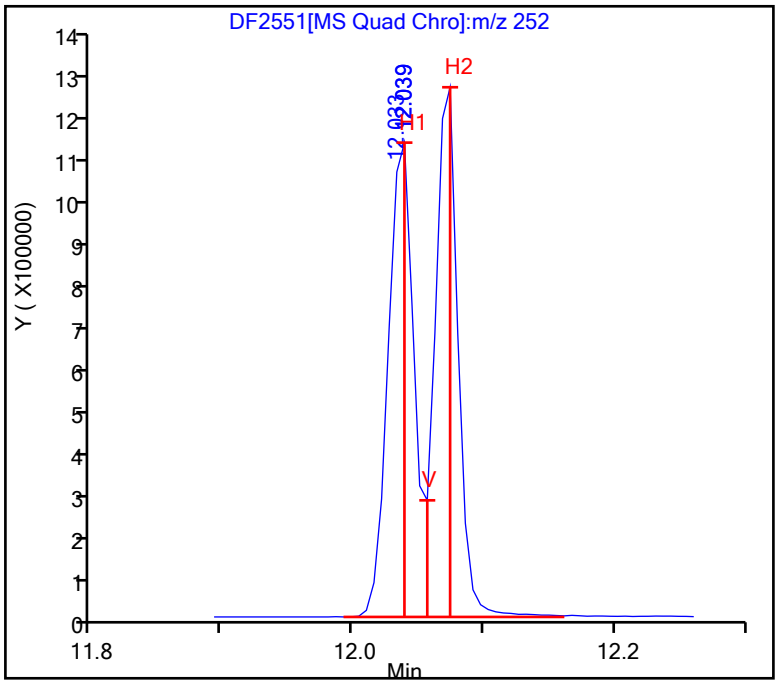
167 Benzo[b]fluoranthene - 168 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 278208
H1(167 Benzo[b]fluoranthen) = 1131520
H2(168 Benzo[k]fluoranthen) = 1263616

Version D: %R = 23.2 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID (1): CCVIS 410-681375/2 Instrument ID (1): HP23264

GC Column (1): DB-5MS 30m 0.25 ID: 0.25(mm) Date Analyzed (1): 08/06/2025 07:51

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.02	17.90

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0601.D				
Injection Date:	06-Aug-2025 07:51:30	Instrument ID:	HP23264		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

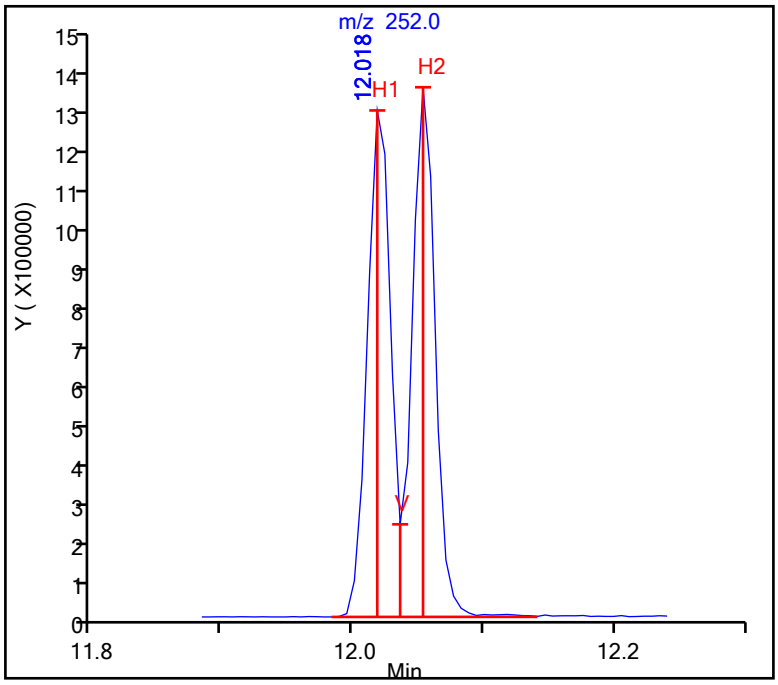
164 Benzo[b]fluoranthene - 165 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 237111
H1(164 Benzo[b]fluoranthen) = 1296848
H2(165 Benzo[k]fluoranthen) = 1356191

Version D: %R = 17.9 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID (1): CCVIS 410-682061/2 Instrument ID (1): HP23264

GC Column (1): DB-5MS 30m 0.25 ID: 0.25(mm) Date Analyzed (1): 08/07/2025 08:11

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.02	19.90

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0701.D
Injection Date: 07-Aug-2025 08:11:30 Instrument ID: HP23264
Lims ID: CCVIS L6
Client ID:
Operator ID: CJS101602 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

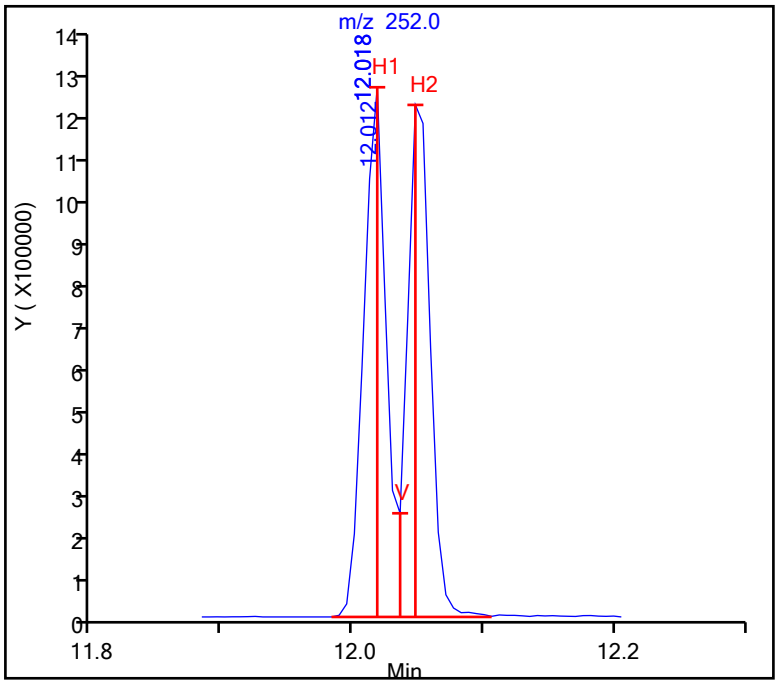
164 Benzo[b]fluoranthene - 165 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 246400
H1(164 Benzo[b]fluoranthen) = 1259008
H2(165 Benzo[k]fluoranthen) = 1217024

Version D: %R = 19.9 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID (1): CCVIS 410-682464/2 Instrument ID (1): HP19760

GC Column (1): DB-5MS 30m 0.25 ID: 0.25(mm) Date Analyzed (1): 08/07/2025 19:54

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	11.90	27.40

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0751.D				
Injection Date:	07-Aug-2025 19:54:10	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	EEA115318	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

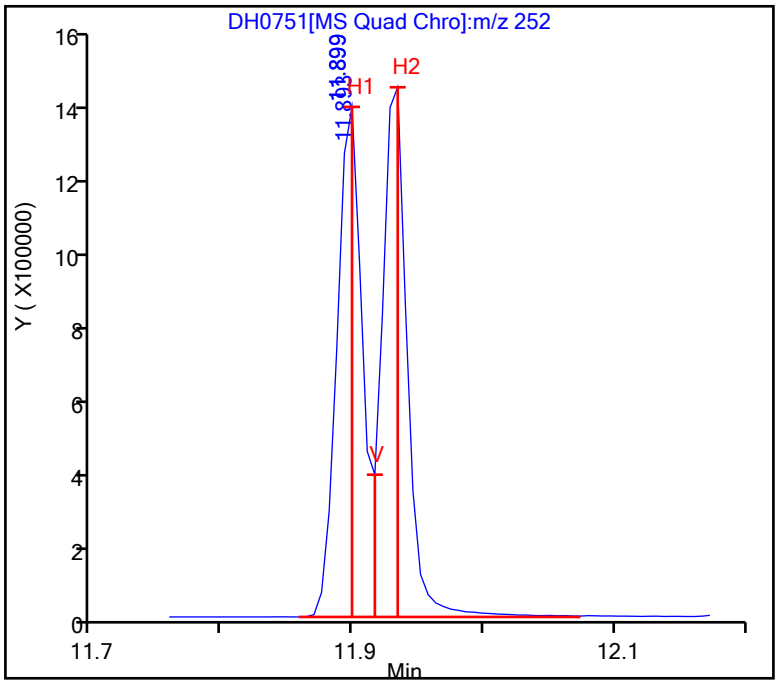
167 Benzo[b]fluoranthene - 168 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 388736
H1(167 Benzo[b]fluoranthen) = 1393664
H2(168 Benzo[k]fluoranthen) = 1447424

Version D: %R = 27.4 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID (1): CCVIS 410-683977/2 Instrument ID (1): HP19760

GC Column (1): DB-5MS 30m 0.25 ID: 0.25(mm) Date Analyzed (1): 08/11/2025 19:50

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	11.91	24.50

Resolution Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1151.D				
Injection Date:	11-Aug-2025 19:50:29	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	EEA115318	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

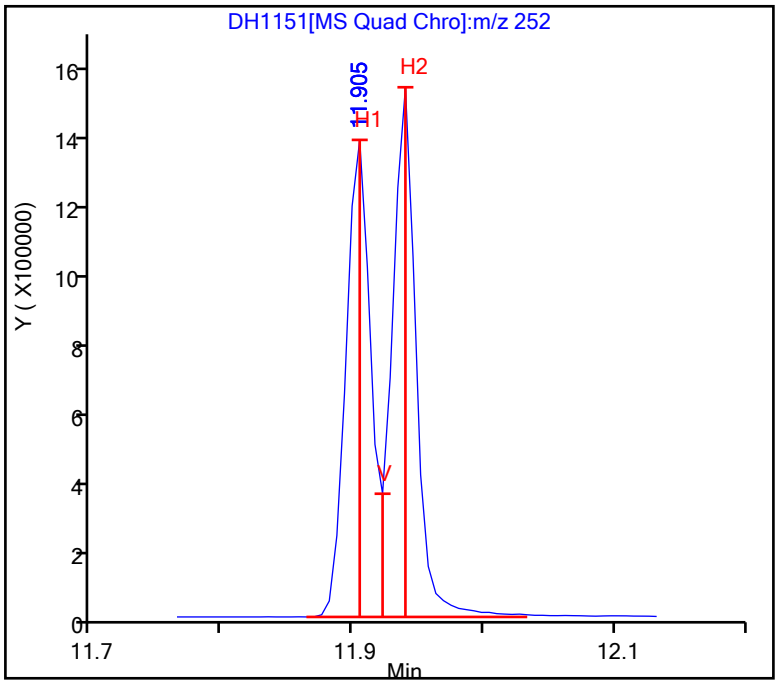
167 Benzo[b]fluoranthene - 168 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 355840
H1(167 Benzo[b]fluoranthen) = 1377792
H2(168 Benzo[k]fluoranthen) = 1529856

Version D: %R = 24.5 <= 50.0
Passed



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-662998/12 Calibration Date: 06/26/2025 03:14

Instrument ID: HP19760 Calib Start Date: 03/26/2025 23:59

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/27/2025 02:11

Lab File ID: DF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzoic acid	Ave	0.1895				12.5		
Indene	Ave	2.619				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2561.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 26-Jun-2025 03:14:29 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0151574-012
Operator ID: IR93211 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:29:58 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:37:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.413	1.407	0.006	90	259965	12.5	10.9	
3 N-Nitrosodimethylamine	74	1.617	1.617	0.000	88	417300	12.5	12.2	
4 Pyridine	79	1.641	1.646	-0.005	95	1373858	25.0	22.7	
6 Dimethylformamide	73	1.909	1.914	-0.005	89	482525	12.5	13.0	
7 2-Picoline	93	2.183	2.188	-0.005	90	822618	12.5	12.0	
8 N-Nitrosomethylethylamine	88	2.276	2.270	0.006	82	352457	12.5	11.6	
9 Methyl methanesulfonate	80	2.532	2.526	0.006	84	428641	12.5	12.2	
11 N-Nitrosodiethylamine	102	2.882	2.882	0.000	85	369162	12.5	12.2	
12 Ethyl methanesulfonate	109	3.179	3.173	0.006	99	397472	12.5	12.1	
15 Benzaldehyde	77	3.506	3.506	0.000	97	553360	12.5	10.4	
17 Phenol	94	3.605	3.599	0.006	88	1031720	12.5	11.8	
18 Aniline	93	3.611	3.611	0.000	92	1253531	12.5	12.1	
19 Bis(2-chloroethyl)ether	93	3.681	3.681	0.000	99	745491	12.5	11.8	
20 2-Chlorophenol	128	3.727	3.727	0.000	94	689185	12.5	12.1	
21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	95	752286	12.5	11.6	
* 22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	95	216105	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	93	757599	12.5	11.8	
25 Benzyl alcohol	108	4.077	4.071	0.006	92	499629	12.5	12.7	
26 1,2-Dichlorobenzene	146	4.094	4.094	0.000	96	724666	12.5	11.8	
14 Indene	115		4.182				ND	ND	
28 2-Methylphenol	108	4.199	4.193	0.006	95	671350	12.5	12.3	
29 2,2'-oxybis[1-chloropropane]	45	4.211	4.205	0.006	92	658571	12.5	11.5	
31 N-Nitrosopyrrolidine	100	4.310	4.304	0.006	91	407583	12.5	12.7	
34 Acetophenone	105	4.328	4.328	0.000	97	1083208	12.5	11.9	
33 N-Nitrosodi-n-propylamine	70	4.339	4.333	0.006	72	529815	12.5	12.0	
32 4-Methylphenol	108	4.351	4.345	0.006	89	778658	12.5	12.4	
35 N-Nitrosomorpholine	56	4.351	4.351	0.000	86	398008	12.5	12.1	
36 2-Toluidine	106	4.363	4.363	0.001	96	1229358	12.5	12.5	
38 Hexachloroethane	117	4.421	4.421	0.000	96	302322	12.5	11.2	
40 Nitrobenzene	77	4.491	4.491	0.000	83	774823	12.5	12.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42	N-Nitrosopiperidine	114	4.637	4.636	0.001	88	368721	12.5	12.6	
43	Isophorone	82	4.730	4.724	0.006	96	1378061	12.5	12.1	
44	2-Nitrophenol	139	4.800	4.800	0.000	89	361359	12.5	12.9	
45	2,4-Dimethylphenol	107	4.864	4.858	0.006	95	748318	12.5	12.3	
46	o,o',o''-Triethylphosphorothioat	198	4.928	4.922	0.006	88	344903	12.5	12.4	
30	Benzoic acid	105		4.945				ND	ND	
47	Bis(2-chloroethoxy)methane	93	4.951	4.951	0.000	96	886410	12.5	11.8	
48	2,4-Dichlorophenol	162	5.039	5.039	0.000	93	557182	12.5	12.7	
49	1,2,4-Trichlorobenzene	180	5.114	5.114	0.000	94	595547	12.5	12.0	
* 50	Naphthalene-d8	136	5.161	5.161	0.000	100	779479	5.00	5.00	
51	Naphthalene	128	5.184	5.184	0.000	97	1961452	12.5	11.7	
53	4-Chloroaniline	127	5.249	5.248	0.001	94	842209	12.5	12.8	
54	2,6-Dichlorophenol	162	5.254	5.254	0.000	97	550820	12.5	12.7	
55	Hexachloropropene	213	5.272	5.272	0.000	87	423082	12.5	11.8	
56	Hexachlorobutadiene	225	5.313	5.313	0.000	96	352569	12.5	12.0	
60	Quinoline	129	5.505	5.505	0.000	96	1298945	12.5	12.0	
61	Caprolactam	113	5.569	5.557	0.012	83	206638	12.5	13.0	
62	N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	86	680998	12.5	12.8	
63	p-Phenylene diamine	108		5.587				ND	ND	U
64	4-Chloro-3-methylphenol	107	5.738	5.732	0.006	93	629258	12.5	12.3	
65	Safrole, Total	162	5.779	5.779	0.000	87	514424	12.5	12.6	
66	2-Methylnaphthalene	142	5.849	5.849	0.000	91	1254214	12.5	13.3	
67	1-Methylnaphthalene	142	5.942	5.942	0.000	91	1139294	12.5	11.6	
68	Hexachlorocyclopentadiene	237		6.000				ND	ND	U
69	1,2,4,5-Tetrachlorobenzene	216	6.012	6.012	0.000	97	595441	12.5	11.7	
70	Isosafrole Peak 1	162	6.059	6.059	0.000	89	67108	1.50	1.54	
71	2,4,6-Trichlorophenol	196	6.129	6.129	0.000	92	387679	12.5	13.1	
72	2,4,5-Trichlorophenol	196	6.169	6.164	0.005	94	424441	12.5	13.1	
74	Isosafrole Peak 2	162	6.274	6.274	0.000	90	532777	11.0	11.3	
75	1,1'-Biphenyl	154	6.304	6.298	0.006	96	1552592	12.5	12.2	
76	2-Chloronaphthalene	162	6.309	6.309	0.000	98	1171253	12.5	11.7	
77	1-Chloronaphthalene	162	6.333	6.327	0.006	97	1137207	12.5	12.9	
78	Phenyl ether	170	6.403	6.403	0.000	81	832385	12.5	11.6	
79	2-Nitroaniline	138	6.420	6.414	0.006	82	411083	12.5	13.2	
81	1,4-Naphthoquinone	158	6.484	6.484	0.000	87	495373	12.5	14.2	
84	1,4-Dinitrobenzene	168	6.560	6.554	0.006	88	216790	12.5	14.0	
85	Dimethyl phthalate	163	6.607	6.607	0.000	99	1373251	12.5	12.5	
86	1,3-Dinitrobenzene	168	6.624	6.624	0.000	87	226414	12.5	12.4	
87	2,6-Dinitrotoluene	165	6.659	6.653	0.006	95	307156	12.5	13.1	
88	Acenaphthylene	152	6.700	6.700	0.000	98	1948234	12.5	12.8	
89	3-Nitroaniline	138	6.811	6.805	0.006	92	349333	12.5	13.4	
* 90	Acenaphthene-d10	164	6.834	6.834	0.000	94	405310	5.00	5.00	
91	Acenaphthene	153	6.869	6.863	0.006	95	1234906	12.5	12.0	
92	2,4-Dinitrophenol	184	6.916	6.910	0.006	90	415298	25.0	25.5	
94	Pentachlorobenzene	250	6.991	6.991	0.000	98	542815	12.5	12.2	
93	4-Nitrophenol	109	7.003	7.003	0.000	82	468201	25.0	26.7	
96	Dibenzofuran	168	7.032	7.032	0.000	97	1696859	12.5	12.0	
95	2,4-Dinitrotoluene	165	7.038	7.032	0.006	87	426457	12.5	13.2	
97	1-Naphthylamine	143	7.108	7.108	0.000	98	1083279	12.5	11.2	
98	2,3,4,6-Tetrachlorophenol	232	7.154	7.154	0.000	74	340570	12.5	12.6	
99	2-Naphthylamine	143	7.184	7.184	0.000	95	1301719	12.5	12.7	
100	Diethyl phthalate	149	7.283	7.277	0.006	98	1363205	12.5	12.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Thionazin	107	7.353	7.347	0.006	80	245510	12.5	11.8	
102 Fluorene	166	7.353	7.353	0.000	93	1329064	12.5	12.1	
103 4-Chlorophenyl phenyl ether	204	7.370	7.364	0.006	89	648170	12.5	11.9	
104 N-Nitro-o-toluidine	152	7.376	7.376	0.000	92	402460	12.5	13.4	
105 4-Nitroaniline	138	7.388	7.382	0.006	85	333795	12.5	13.0	
106 4,6-Dinitro-2-methylphenol	198	7.417	7.417	0.000	83	511774	25.0	25.8	
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	63	969727	10.6	10.7	
108 1,2-Diphenylhydrazine	77	7.516	7.516	0.000	41	1428633	12.5	12.6	
110 Sulfotepp	97	7.650	7.650	0.000	78	260500	12.5	12.9	
112 1,3,5-Trinitrobenzene	213	7.755	7.749	0.006	83	147453	12.5	13.3	a
113 cis-Diallate	86	7.761	7.761	0.000	0	476609	9.38	9.56	
114 Phorate	75	7.766	7.766	0.000	95	1221125	12.5	13.7	
115 Phenacetin	108	7.790	7.784	0.006	92	729932	12.5	13.2	
116 4-Bromophenyl phenyl ether	248	7.831	7.825	0.006	62	380869	12.5	12.0	
117 trans-Diallate	86	7.842	7.842	0.000	0	165050	3.13	3.23	
118 Hexachlorobenzene	284	7.871	7.866	0.005	94	414925	12.5	11.7	
119 Dimethoate	87	7.924	7.924	0.000	97	589772	12.5	13.5	
120 Atrazine	200	8.005	8.000	0.005	95	362437	12.5	12.7	
121 Pentachlorophenol	266	8.064	8.064	0.000	92	516955	25.0	25.4	
123 Pentachloronitrobenzene	237	8.075	8.070	0.005	84	184262	12.5	11.7	
122 4-Aminobiphenyl	169	8.075	8.070	0.005	91	1440508	12.5	11.9	
124 Pronamide	173	8.145	8.145	0.000	90	616356	12.5	13.1	
* 126 Phenanthrene-d10	188	8.233	8.233	0.000	98	708255	5.00	5.00	
125 Dinoseb	211	8.256	8.250	0.006	93	364856	12.5	12.6	
128 Phenanthrene	178	8.256	8.256	0.000	98	1838322	12.5	11.8	
127 Disulfoton	88	8.262	8.262	0.000	95	828111	12.5	12.0	
129 Anthracene	178	8.309	8.303	0.006	98	1914243	12.5	12.5	
130 Carbazole	167	8.472	8.466	0.006	96	1792366	12.5	12.5	
131 Methyl parathion	109	8.612	8.612	0.000	91	515267	12.5	14.8	
133 Di-n-butyl phthalate	149	8.833	8.833	0.000	100	2086968	12.5	13.6	
134 Ethyl Parathion	109	8.991	8.990	0.000	84	304441	12.5	14.8	
135 4-Nitroquinoline-1-oxide	190	8.996	8.996	0.000	89	155604	12.5	11.3	
140 Octachlorostyrene	308	9.212	9.212	0.000	92	162951	12.5	12.4	
141 Isodrin	193	9.235	9.235	0.000	94	218604	12.5	11.9	
143 Fluoranthene	202	9.381	9.381	0.000	98	2019172	12.5	12.4	
147 Benzidine	184	9.533	9.533	0.001	99	1605048	12.5	15.5	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	98	696203	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	97	2088449	12.5	11.7	
S 136 Diallate	86				0		12.5	12.8	
154 p-Dimethylamino azobenzene	225	9.906	9.900	0.006	93	385334	12.5	14.6	
155 Chlorobenzilate	139	9.952	9.952	0.000	89	678583	12.5	13.8	
137 Aramite Peak 1	185		9.966				ND	ND	
138 Aramite Peak 2	185		9.983				ND	ND	
139 Aramite Peak 3	185		10.030				ND	ND	
142 Aramite Peak 4	185		10.106				ND	ND	
156 3,3'-Dimethylbenzidine	212	10.226	10.226	0.000	99	1103177	12.5	12.4	
157 Butyl benzyl phthalate	149	10.255	10.255	0.000	97	885949	12.5	13.5	
158 2-Acetylaminofluorene	181	10.477	10.471	0.006	94	735552	12.5	12.2	
151 Famphur	218		10.500				ND	ND	
159 3,3'-Dichlorobenzidine	252	10.780	10.774	0.006	74	1010103	12.5	18.8	
161 Benzo[a]anthracene	228	10.780	10.780	0.000	99	1761259	12.5	12.6	
160 4,4'-Methylene bis(2-chloroanil	231	10.786	10.786	0.000	94	388936	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.821	10.815	0.006	97	1703379	12.5	12.2	
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	95	1148145	12.5	12.8	
164 6-Methylchrysene	242	11.334	11.328	0.006	99	1185734	12.5	12.6	
165 Di-n-octyl phthalate	149	11.660	11.654	0.006	98	1816168	12.5	13.9	
166 7,12-Dimethylbenz(a)anthracene	256	12.039	12.033	0.006	88	794235	12.5	13.8	
167 Benzo[b]fluoranthene	252	12.033	12.033	0.000	97	1784165	12.5	13.7	
168 Benzo[k]fluoranthene	252	12.074	12.068	0.006	99	1687213	12.5	12.4	
169 Benzo[a]pyrene	252	12.447	12.441	0.006	77	1600400	12.5	13.6	
* 170 Perylene-d12	264	12.517	12.517	0.000	98	537213	5.00	5.00	
171 3-Methylcholanthrene	268	12.925	12.925	0.000	91	786924	12.5	13.7	
172 Dibenz[a,h]acridine	279	13.659	13.653	0.006	91	1247469	12.5	14.3	
173 Dibenz[a,j]acridine	279	13.729	13.723	0.006	96	1325217	12.5	14.0	
174 Indeno[1,2,3-cd]pyrene	276	13.951	13.945	0.006	99	1328823	12.5	12.5	
175 Dibenz(a,h)anthracene	278	13.991	13.991	0.000	93	1440183	12.5	12.9	
176 Benzo[g,h,i]perylene	276	14.300	14.294	0.006	98	1410504	12.5	12.5	
S 177 Aramite, Total	185		44.000				12.5	ND	7
S 182 Isosafrole	162				0		12.5	12.8	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 08:33:36 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2561.D

Injection Date: 26-Jun-2025 03:14:29 Instrument ID: HP19760 Operator ID: IR93211

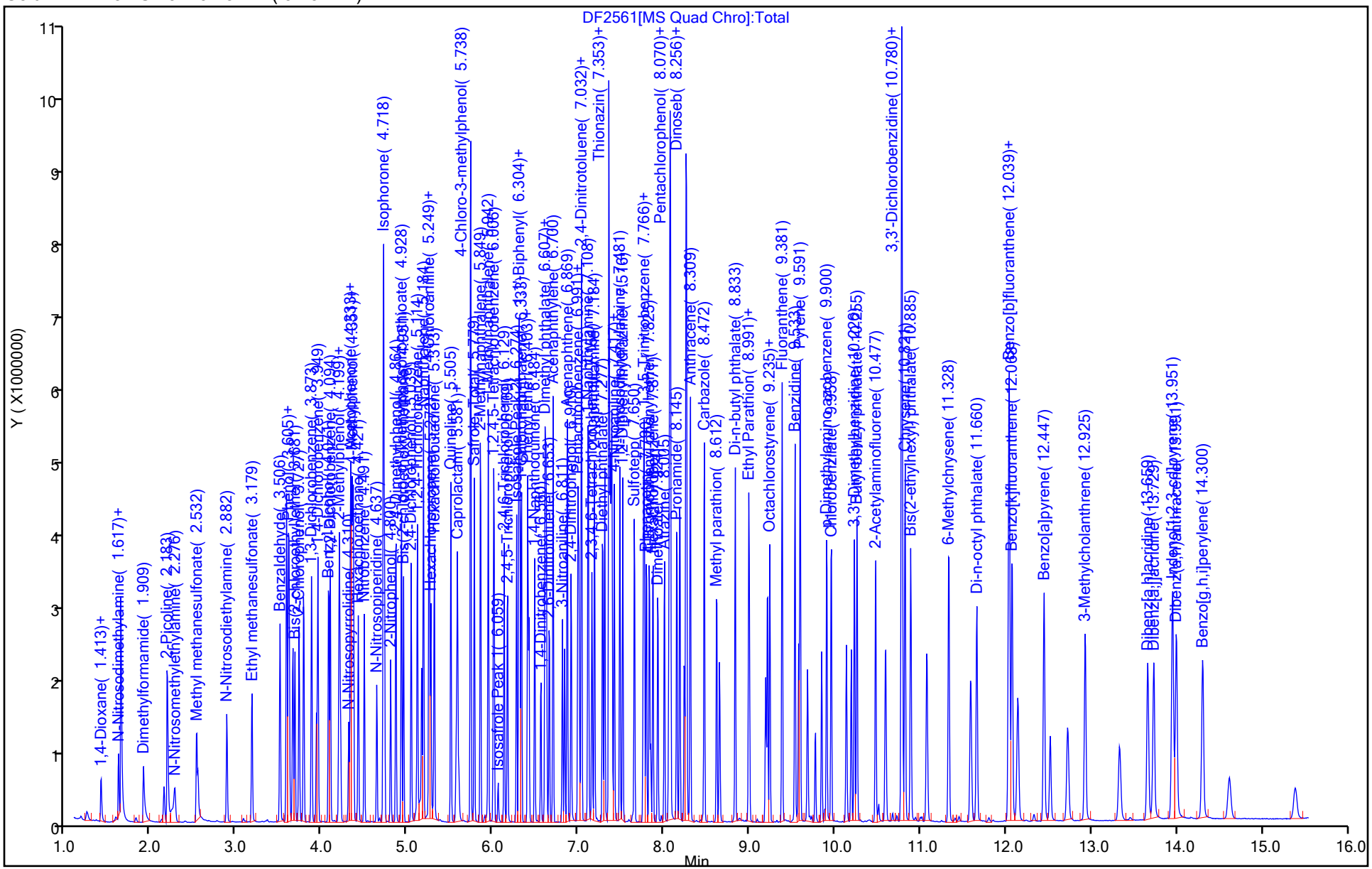
Lims ID: ICV FULL Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-662998/12 Calibration Date: 06/26/2025 03:14

Instrument ID: HP19760 Calib Start Date: 05/27/2025 12:48

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/27/2025 12:48

Lab File ID: DF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Aramite Peak 1	Ave	0.0457				1.25		
Aramite Peak 2	Ave	0.0453				1.25		
Aramite Peak 3	Ave	0.1365				5.00		
Aramite Peak 4	Ave	0.1702				5.00		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2561.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 26-Jun-2025 03:14:29 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0151574-012
Operator ID: IR93211 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:29:58 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:37:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.413	1.407	0.006	90	259965	12.5	10.9	
3 N-Nitrosodimethylamine	74	1.617	1.617	0.000	88	417300	12.5	12.2	
4 Pyridine	79	1.641	1.646	-0.005	95	1373858	25.0	22.7	
6 Dimethylformamide	73	1.909	1.914	-0.005	89	482525	12.5	13.0	
7 2-Picoline	93	2.183	2.188	-0.005	90	822618	12.5	12.0	
8 N-Nitrosomethylethylamine	88	2.276	2.270	0.006	82	352457	12.5	11.6	
9 Methyl methanesulfonate	80	2.532	2.526	0.006	84	428641	12.5	12.2	
11 N-Nitrosodiethylamine	102	2.882	2.882	0.000	85	369162	12.5	12.2	
12 Ethyl methanesulfonate	109	3.179	3.173	0.006	99	397472	12.5	12.1	
15 Benzaldehyde	77	3.506	3.506	0.000	97	553360	12.5	10.4	
17 Phenol	94	3.605	3.599	0.006	88	1031720	12.5	11.8	
18 Aniline	93	3.611	3.611	0.000	92	1253531	12.5	12.1	
19 Bis(2-chloroethyl)ether	93	3.681	3.681	0.000	99	745491	12.5	11.8	
20 2-Chlorophenol	128	3.727	3.727	0.000	94	689185	12.5	12.1	
21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	95	752286	12.5	11.6	
* 22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	95	216105	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	93	757599	12.5	11.8	
25 Benzyl alcohol	108	4.077	4.071	0.006	92	499629	12.5	12.7	
26 1,2-Dichlorobenzene	146	4.094	4.094	0.000	96	724666	12.5	11.8	
14 Indene	115		4.182				ND	ND	
28 2-Methylphenol	108	4.199	4.193	0.006	95	671350	12.5	12.3	
29 2,2'-oxybis[1-chloropropane]	45	4.211	4.205	0.006	92	658571	12.5	11.5	
31 N-Nitrosopyrrolidine	100	4.310	4.304	0.006	91	407583	12.5	12.7	
34 Acetophenone	105	4.328	4.328	0.000	97	1083208	12.5	11.9	
33 N-Nitrosodi-n-propylamine	70	4.339	4.333	0.006	72	529815	12.5	12.0	
32 4-Methylphenol	108	4.351	4.345	0.006	89	778658	12.5	12.4	
35 N-Nitrosomorpholine	56	4.351	4.351	0.000	86	398008	12.5	12.1	
36 2-Toluidine	106	4.363	4.363	0.001	96	1229358	12.5	12.5	
38 Hexachloroethane	117	4.421	4.421	0.000	96	302322	12.5	11.2	
40 Nitrobenzene	77	4.491	4.491	0.000	83	774823	12.5	12.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42	N-Nitrosopiperidine	114	4.637	4.636	0.001	88	368721	12.5	12.6	
43	Isophorone	82	4.730	4.724	0.006	96	1378061	12.5	12.1	
44	2-Nitrophenol	139	4.800	4.800	0.000	89	361359	12.5	12.9	
45	2,4-Dimethylphenol	107	4.864	4.858	0.006	95	748318	12.5	12.3	
46	o,o',o''-Triethylphosphorothioat	198	4.928	4.922	0.006	88	344903	12.5	12.4	
30	Benzoic acid	105		4.945				ND	ND	
47	Bis(2-chloroethoxy)methane	93	4.951	4.951	0.000	96	886410	12.5	11.8	
48	2,4-Dichlorophenol	162	5.039	5.039	0.000	93	557182	12.5	12.7	
49	1,2,4-Trichlorobenzene	180	5.114	5.114	0.000	94	595547	12.5	12.0	
* 50	Naphthalene-d8	136	5.161	5.161	0.000	100	779479	5.00	5.00	
51	Naphthalene	128	5.184	5.184	0.000	97	1961452	12.5	11.7	
53	4-Chloroaniline	127	5.249	5.248	0.001	94	842209	12.5	12.8	
54	2,6-Dichlorophenol	162	5.254	5.254	0.000	97	550820	12.5	12.7	
55	Hexachloropropene	213	5.272	5.272	0.000	87	423082	12.5	11.8	
56	Hexachlorobutadiene	225	5.313	5.313	0.000	96	352569	12.5	12.0	
60	Quinoline	129	5.505	5.505	0.000	96	1298945	12.5	12.0	
61	Caprolactam	113	5.569	5.557	0.012	83	206638	12.5	13.0	
62	N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	86	680998	12.5	12.8	
63	p-Phenylene diamine	108		5.587				ND	ND	U
64	4-Chloro-3-methylphenol	107	5.738	5.732	0.006	93	629258	12.5	12.3	
65	Safrole, Total	162	5.779	5.779	0.000	87	514424	12.5	12.6	
66	2-Methylnaphthalene	142	5.849	5.849	0.000	91	1254214	12.5	13.3	
67	1-Methylnaphthalene	142	5.942	5.942	0.000	91	1139294	12.5	11.6	
68	Hexachlorocyclopentadiene	237		6.000				ND	ND	U
69	1,2,4,5-Tetrachlorobenzene	216	6.012	6.012	0.000	97	595441	12.5	11.7	
70	Isosafrole Peak 1	162	6.059	6.059	0.000	89	67108	1.50	1.54	
71	2,4,6-Trichlorophenol	196	6.129	6.129	0.000	92	387679	12.5	13.1	
72	2,4,5-Trichlorophenol	196	6.169	6.164	0.005	94	424441	12.5	13.1	
74	Isosafrole Peak 2	162	6.274	6.274	0.000	90	532777	11.0	11.3	
75	1,1'-Biphenyl	154	6.304	6.298	0.006	96	1552592	12.5	12.2	
76	2-Chloronaphthalene	162	6.309	6.309	0.000	98	1171253	12.5	11.7	
77	1-Chloronaphthalene	162	6.333	6.327	0.006	97	1137207	12.5	12.9	
78	Phenyl ether	170	6.403	6.403	0.000	81	832385	12.5	11.6	
79	2-Nitroaniline	138	6.420	6.414	0.006	82	411083	12.5	13.2	
81	1,4-Naphthoquinone	158	6.484	6.484	0.000	87	495373	12.5	14.2	
84	1,4-Dinitrobenzene	168	6.560	6.554	0.006	88	216790	12.5	14.0	
85	Dimethyl phthalate	163	6.607	6.607	0.000	99	1373251	12.5	12.5	
86	1,3-Dinitrobenzene	168	6.624	6.624	0.000	87	226414	12.5	12.4	
87	2,6-Dinitrotoluene	165	6.659	6.653	0.006	95	307156	12.5	13.1	
88	Acenaphthylene	152	6.700	6.700	0.000	98	1948234	12.5	12.8	
89	3-Nitroaniline	138	6.811	6.805	0.006	92	349333	12.5	13.4	
* 90	Acenaphthene-d10	164	6.834	6.834	0.000	94	405310	5.00	5.00	
91	Acenaphthene	153	6.869	6.863	0.006	95	1234906	12.5	12.0	
92	2,4-Dinitrophenol	184	6.916	6.910	0.006	90	415298	25.0	25.5	
94	Pentachlorobenzene	250	6.991	6.991	0.000	98	542815	12.5	12.2	
93	4-Nitrophenol	109	7.003	7.003	0.000	82	468201	25.0	26.7	
96	Dibenzofuran	168	7.032	7.032	0.000	97	1696859	12.5	12.0	
95	2,4-Dinitrotoluene	165	7.038	7.032	0.006	87	426457	12.5	13.2	
97	1-Naphthylamine	143	7.108	7.108	0.000	98	1083279	12.5	11.2	
98	2,3,4,6-Tetrachlorophenol	232	7.154	7.154	0.000	74	340570	12.5	12.6	
99	2-Naphthylamine	143	7.184	7.184	0.000	95	1301719	12.5	12.7	
100	Diethyl phthalate	149	7.283	7.277	0.006	98	1363205	12.5	12.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Thionazin	107	7.353	7.347	0.006	80	245510	12.5	11.8	
102 Fluorene	166	7.353	7.353	0.000	93	1329064	12.5	12.1	
103 4-Chlorophenyl phenyl ether	204	7.370	7.364	0.006	89	648170	12.5	11.9	
104 N-Nitro-o-toluidine	152	7.376	7.376	0.000	92	402460	12.5	13.4	
105 4-Nitroaniline	138	7.388	7.382	0.006	85	333795	12.5	13.0	
106 4,6-Dinitro-2-methylphenol	198	7.417	7.417	0.000	83	511774	25.0	25.8	
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	63	969727	10.6	10.7	
108 1,2-Diphenylhydrazine	77	7.516	7.516	0.000	41	1428633	12.5	12.6	
110 Sulfotepp	97	7.650	7.650	0.000	78	260500	12.5	12.9	
112 1,3,5-Trinitrobenzene	213	7.755	7.749	0.006	83	147453	12.5	13.3	a
113 cis-Diallate	86	7.761	7.761	0.000	0	476609	9.38	9.56	
114 Phorate	75	7.766	7.766	0.000	95	1221125	12.5	13.7	
115 Phenacetin	108	7.790	7.784	0.006	92	729932	12.5	13.2	
116 4-Bromophenyl phenyl ether	248	7.831	7.825	0.006	62	380869	12.5	12.0	
117 trans-Diallate	86	7.842	7.842	0.000	0	165050	3.13	3.23	
118 Hexachlorobenzene	284	7.871	7.866	0.005	94	414925	12.5	11.7	
119 Dimethoate	87	7.924	7.924	0.000	97	589772	12.5	13.5	
120 Atrazine	200	8.005	8.000	0.005	95	362437	12.5	12.7	
121 Pentachlorophenol	266	8.064	8.064	0.000	92	516955	25.0	25.4	
123 Pentachloronitrobenzene	237	8.075	8.070	0.005	84	184262	12.5	11.7	
122 4-Aminobiphenyl	169	8.075	8.070	0.005	91	1440508	12.5	11.9	
124 Pronamide	173	8.145	8.145	0.000	90	616356	12.5	13.1	
* 126 Phenanthrene-d10	188	8.233	8.233	0.000	98	708255	5.00	5.00	
125 Dinoseb	211	8.256	8.250	0.006	93	364856	12.5	12.6	
128 Phenanthrene	178	8.256	8.256	0.000	98	1838322	12.5	11.8	
127 Disulfoton	88	8.262	8.262	0.000	95	828111	12.5	12.0	
129 Anthracene	178	8.309	8.303	0.006	98	1914243	12.5	12.5	
130 Carbazole	167	8.472	8.466	0.006	96	1792366	12.5	12.5	
131 Methyl parathion	109	8.612	8.612	0.000	91	515267	12.5	14.8	
133 Di-n-butyl phthalate	149	8.833	8.833	0.000	100	2086968	12.5	13.6	
134 Ethyl Parathion	109	8.991	8.990	0.000	84	304441	12.5	14.8	
135 4-Nitroquinoline-1-oxide	190	8.996	8.996	0.000	89	155604	12.5	11.3	
140 Octachlorostyrene	308	9.212	9.212	0.000	92	162951	12.5	12.4	
141 Isodrin	193	9.235	9.235	0.000	94	218604	12.5	11.9	
143 Fluoranthene	202	9.381	9.381	0.000	98	2019172	12.5	12.4	
147 Benzidine	184	9.533	9.533	0.001	99	1605048	12.5	15.5	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	98	696203	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	97	2088449	12.5	11.7	
S 136 Diallate	86				0		12.5	12.8	
154 p-Dimethylamino azobenzene	225	9.906	9.900	0.006	93	385334	12.5	14.6	
155 Chlorobenzilate	139	9.952	9.952	0.000	89	678583	12.5	13.8	
137 Aramite Peak 1	185		9.966				ND	ND	
138 Aramite Peak 2	185		9.983				ND	ND	
139 Aramite Peak 3	185		10.030				ND	ND	
142 Aramite Peak 4	185		10.106				ND	ND	
156 3,3'-Dimethylbenzidine	212	10.226	10.226	0.000	99	1103177	12.5	12.4	
157 Butyl benzyl phthalate	149	10.255	10.255	0.000	97	885949	12.5	13.5	
158 2-Acetylaminofluorene	181	10.477	10.471	0.006	94	735552	12.5	12.2	
151 Famphur	218		10.500				ND	ND	
159 3,3'-Dichlorobenzidine	252	10.780	10.774	0.006	74	1010103	12.5	18.8	
161 Benzo[a]anthracene	228	10.780	10.780	0.000	99	1761259	12.5	12.6	
160 4,4'-Methylene bis(2-chloroani	231	10.786	10.786	0.000	94	388936	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.821	10.815	0.006	97	1703379	12.5	12.2	
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	95	1148145	12.5	12.8	
164 6-Methylchrysene	242	11.334	11.328	0.006	99	1185734	12.5	12.6	
165 Di-n-octyl phthalate	149	11.660	11.654	0.006	98	1816168	12.5	13.9	
166 7,12-Dimethylbenz(a)anthracene	256	12.039	12.033	0.006	88	794235	12.5	13.8	
167 Benzo[b]fluoranthene	252	12.033	12.033	0.000	97	1784165	12.5	13.7	
168 Benzo[k]fluoranthene	252	12.074	12.068	0.006	99	1687213	12.5	12.4	
169 Benzo[a]pyrene	252	12.447	12.441	0.006	77	1600400	12.5	13.6	
* 170 Perylene-d12	264	12.517	12.517	0.000	98	537213	5.00	5.00	
171 3-Methylcholanthrene	268	12.925	12.925	0.000	91	786924	12.5	13.7	
172 Dibenz[a,h]acridine	279	13.659	13.653	0.006	91	1247469	12.5	14.3	
173 Dibenz[a,j]acridine	279	13.729	13.723	0.006	96	1325217	12.5	14.0	
174 Indeno[1,2,3-cd]pyrene	276	13.951	13.945	0.006	99	1328823	12.5	12.5	
175 Dibenz(a,h)anthracene	278	13.991	13.991	0.000	93	1440183	12.5	12.9	
176 Benzo[g,h,i]perylene	276	14.300	14.294	0.006	98	1410504	12.5	12.5	
S 177 Aramite, Total	185		44.000				12.5	ND	7
S 182 Isosafrole	162				0		12.5	12.8	

QC Flag Legend

Processing Flags
- ND - Not Detected or Marked ND
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected
- a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 08:33:36 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2561.D

Injection Date: 26-Jun-2025 03:14:29 Instrument ID: HP19760 Operator ID: IR93211

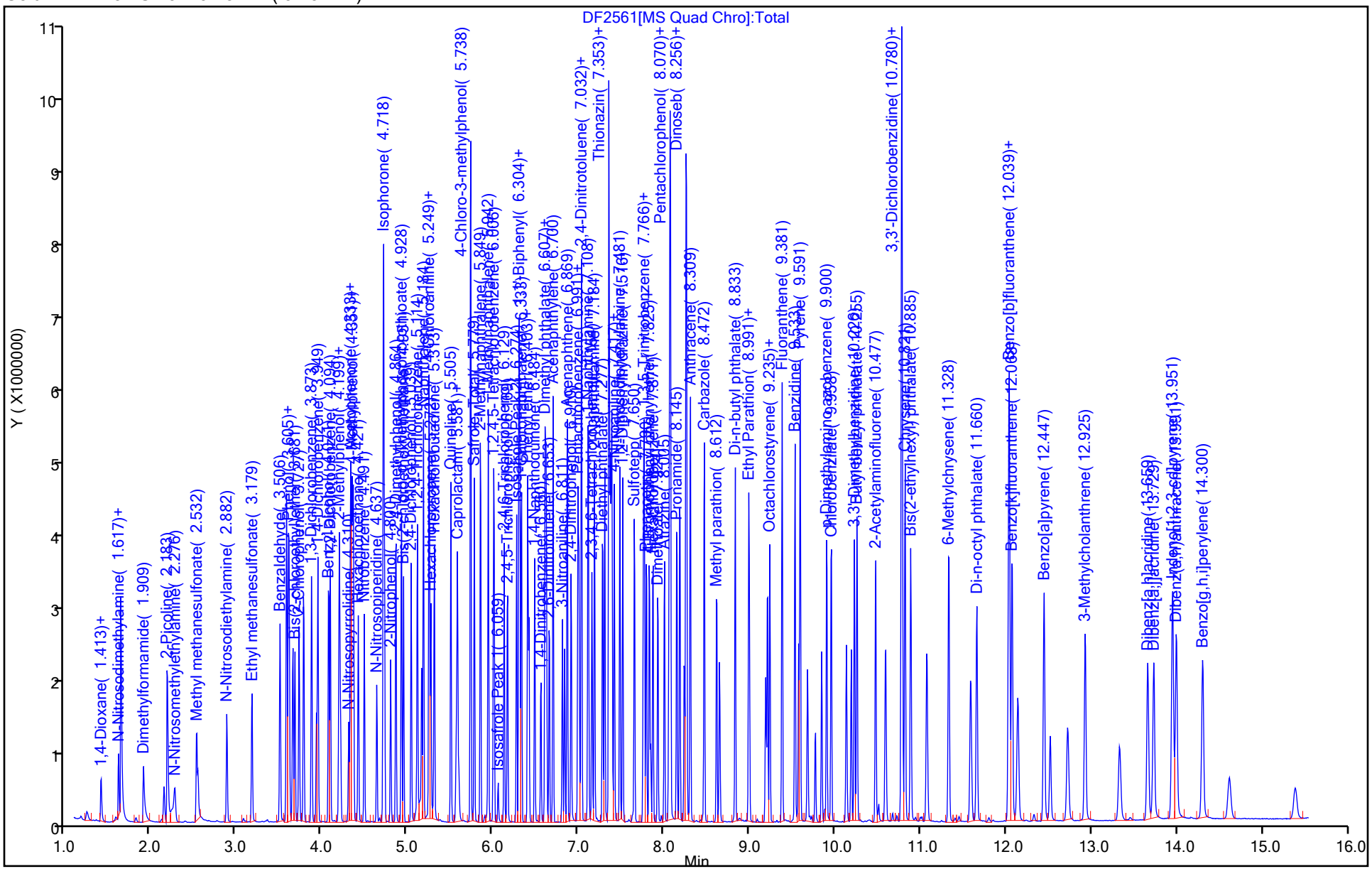
Lims ID: ICV FULL Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-662998/12 Calibration Date: 06/26/2025 03:14

Instrument ID: HP19760 Calib Start Date: 06/18/2025 21:37

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/18/2025 23:22

Lab File ID: DF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Famphur	Ave	0.3932				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2561.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 26-Jun-2025 03:14:29 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0151574-012
Operator ID: IR93211 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:29:58 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:37:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.413	1.407	0.006	90	259965	12.5	10.9	
3 N-Nitrosodimethylamine	74	1.617	1.617	0.000	88	417300	12.5	12.2	
4 Pyridine	79	1.641	1.646	-0.005	95	1373858	25.0	22.7	
6 Dimethylformamide	73	1.909	1.914	-0.005	89	482525	12.5	13.0	
7 2-Picoline	93	2.183	2.188	-0.005	90	822618	12.5	12.0	
8 N-Nitrosomethylethylamine	88	2.276	2.270	0.006	82	352457	12.5	11.6	
9 Methyl methanesulfonate	80	2.532	2.526	0.006	84	428641	12.5	12.2	
11 N-Nitrosodiethylamine	102	2.882	2.882	0.000	85	369162	12.5	12.2	
12 Ethyl methanesulfonate	109	3.179	3.173	0.006	99	397472	12.5	12.1	
15 Benzaldehyde	77	3.506	3.506	0.000	97	553360	12.5	10.4	
17 Phenol	94	3.605	3.599	0.006	88	1031720	12.5	11.8	
18 Aniline	93	3.611	3.611	0.000	92	1253531	12.5	12.1	
19 Bis(2-chloroethyl)ether	93	3.681	3.681	0.000	99	745491	12.5	11.8	
20 2-Chlorophenol	128	3.727	3.727	0.000	94	689185	12.5	12.1	
21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	95	752286	12.5	11.6	
* 22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	95	216105	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	93	757599	12.5	11.8	
25 Benzyl alcohol	108	4.077	4.071	0.006	92	499629	12.5	12.7	
26 1,2-Dichlorobenzene	146	4.094	4.094	0.000	96	724666	12.5	11.8	
14 Indene	115		4.182				ND	ND	
28 2-Methylphenol	108	4.199	4.193	0.006	95	671350	12.5	12.3	
29 2,2'-oxybis[1-chloropropane]	45	4.211	4.205	0.006	92	658571	12.5	11.5	
31 N-Nitrosopyrrolidine	100	4.310	4.304	0.006	91	407583	12.5	12.7	
34 Acetophenone	105	4.328	4.328	0.000	97	1083208	12.5	11.9	
33 N-Nitrosodi-n-propylamine	70	4.339	4.333	0.006	72	529815	12.5	12.0	
32 4-Methylphenol	108	4.351	4.345	0.006	89	778658	12.5	12.4	
35 N-Nitrosomorpholine	56	4.351	4.351	0.000	86	398008	12.5	12.1	
36 2-Toluidine	106	4.363	4.363	0.001	96	1229358	12.5	12.5	
38 Hexachloroethane	117	4.421	4.421	0.000	96	302322	12.5	11.2	
40 Nitrobenzene	77	4.491	4.491	0.000	83	774823	12.5	12.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42	N-Nitrosopiperidine	114	4.637	4.636	0.001	88	368721	12.5	12.6	
43	Isophorone	82	4.730	4.724	0.006	96	1378061	12.5	12.1	
44	2-Nitrophenol	139	4.800	4.800	0.000	89	361359	12.5	12.9	
45	2,4-Dimethylphenol	107	4.864	4.858	0.006	95	748318	12.5	12.3	
46	o,o',o''-Triethylphosphorothioat	198	4.928	4.922	0.006	88	344903	12.5	12.4	
30	Benzoic acid	105		4.945				ND	ND	
47	Bis(2-chloroethoxy)methane	93	4.951	4.951	0.000	96	886410	12.5	11.8	
48	2,4-Dichlorophenol	162	5.039	5.039	0.000	93	557182	12.5	12.7	
49	1,2,4-Trichlorobenzene	180	5.114	5.114	0.000	94	595547	12.5	12.0	
* 50	Naphthalene-d8	136	5.161	5.161	0.000	100	779479	5.00	5.00	
51	Naphthalene	128	5.184	5.184	0.000	97	1961452	12.5	11.7	
53	4-Chloroaniline	127	5.249	5.248	0.001	94	842209	12.5	12.8	
54	2,6-Dichlorophenol	162	5.254	5.254	0.000	97	550820	12.5	12.7	
55	Hexachloropropene	213	5.272	5.272	0.000	87	423082	12.5	11.8	
56	Hexachlorobutadiene	225	5.313	5.313	0.000	96	352569	12.5	12.0	
60	Quinoline	129	5.505	5.505	0.000	96	1298945	12.5	12.0	
61	Caprolactam	113	5.569	5.557	0.012	83	206638	12.5	13.0	
62	N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	86	680998	12.5	12.8	
63	p-Phenylene diamine	108		5.587				ND	ND	U
64	4-Chloro-3-methylphenol	107	5.738	5.732	0.006	93	629258	12.5	12.3	
65	Safrole, Total	162	5.779	5.779	0.000	87	514424	12.5	12.6	
66	2-Methylnaphthalene	142	5.849	5.849	0.000	91	1254214	12.5	13.3	
67	1-Methylnaphthalene	142	5.942	5.942	0.000	91	1139294	12.5	11.6	
68	Hexachlorocyclopentadiene	237		6.000				ND	ND	U
69	1,2,4,5-Tetrachlorobenzene	216	6.012	6.012	0.000	97	595441	12.5	11.7	
70	Isosafrole Peak 1	162	6.059	6.059	0.000	89	67108	1.50	1.54	
71	2,4,6-Trichlorophenol	196	6.129	6.129	0.000	92	387679	12.5	13.1	
72	2,4,5-Trichlorophenol	196	6.169	6.164	0.005	94	424441	12.5	13.1	
74	Isosafrole Peak 2	162	6.274	6.274	0.000	90	532777	11.0	11.3	
75	1,1'-Biphenyl	154	6.304	6.298	0.006	96	1552592	12.5	12.2	
76	2-Chloronaphthalene	162	6.309	6.309	0.000	98	1171253	12.5	11.7	
77	1-Chloronaphthalene	162	6.333	6.327	0.006	97	1137207	12.5	12.9	
78	Phenyl ether	170	6.403	6.403	0.000	81	832385	12.5	11.6	
79	2-Nitroaniline	138	6.420	6.414	0.006	82	411083	12.5	13.2	
81	1,4-Naphthoquinone	158	6.484	6.484	0.000	87	495373	12.5	14.2	
84	1,4-Dinitrobenzene	168	6.560	6.554	0.006	88	216790	12.5	14.0	
85	Dimethyl phthalate	163	6.607	6.607	0.000	99	1373251	12.5	12.5	
86	1,3-Dinitrobenzene	168	6.624	6.624	0.000	87	226414	12.5	12.4	
87	2,6-Dinitrotoluene	165	6.659	6.653	0.006	95	307156	12.5	13.1	
88	Acenaphthylene	152	6.700	6.700	0.000	98	1948234	12.5	12.8	
89	3-Nitroaniline	138	6.811	6.805	0.006	92	349333	12.5	13.4	
* 90	Acenaphthene-d10	164	6.834	6.834	0.000	94	405310	5.00	5.00	
91	Acenaphthene	153	6.869	6.863	0.006	95	1234906	12.5	12.0	
92	2,4-Dinitrophenol	184	6.916	6.910	0.006	90	415298	25.0	25.5	
94	Pentachlorobenzene	250	6.991	6.991	0.000	98	542815	12.5	12.2	
93	4-Nitrophenol	109	7.003	7.003	0.000	82	468201	25.0	26.7	
96	Dibenzofuran	168	7.032	7.032	0.000	97	1696859	12.5	12.0	
95	2,4-Dinitrotoluene	165	7.038	7.032	0.006	87	426457	12.5	13.2	
97	1-Naphthylamine	143	7.108	7.108	0.000	98	1083279	12.5	11.2	
98	2,3,4,6-Tetrachlorophenol	232	7.154	7.154	0.000	74	340570	12.5	12.6	
99	2-Naphthylamine	143	7.184	7.184	0.000	95	1301719	12.5	12.7	
100	Diethyl phthalate	149	7.283	7.277	0.006	98	1363205	12.5	12.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Thionazin	107	7.353	7.347	0.006	80	245510	12.5	11.8	
102 Fluorene	166	7.353	7.353	0.000	93	1329064	12.5	12.1	
103 4-Chlorophenyl phenyl ether	204	7.370	7.364	0.006	89	648170	12.5	11.9	
104 N-Nitro-o-toluidine	152	7.376	7.376	0.000	92	402460	12.5	13.4	
105 4-Nitroaniline	138	7.388	7.382	0.006	85	333795	12.5	13.0	
106 4,6-Dinitro-2-methylphenol	198	7.417	7.417	0.000	83	511774	25.0	25.8	
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	63	969727	10.6	10.7	
108 1,2-Diphenylhydrazine	77	7.516	7.516	0.000	41	1428633	12.5	12.6	
110 Sulfotepp	97	7.650	7.650	0.000	78	260500	12.5	12.9	
112 1,3,5-Trinitrobenzene	213	7.755	7.749	0.006	83	147453	12.5	13.3	a
113 cis-Diallate	86	7.761	7.761	0.000	0	476609	9.38	9.56	
114 Phorate	75	7.766	7.766	0.000	95	1221125	12.5	13.7	
115 Phenacetin	108	7.790	7.784	0.006	92	729932	12.5	13.2	
116 4-Bromophenyl phenyl ether	248	7.831	7.825	0.006	62	380869	12.5	12.0	
117 trans-Diallate	86	7.842	7.842	0.000	0	165050	3.13	3.23	
118 Hexachlorobenzene	284	7.871	7.866	0.005	94	414925	12.5	11.7	
119 Dimethoate	87	7.924	7.924	0.000	97	589772	12.5	13.5	
120 Atrazine	200	8.005	8.000	0.005	95	362437	12.5	12.7	
121 Pentachlorophenol	266	8.064	8.064	0.000	92	516955	25.0	25.4	
123 Pentachloronitrobenzene	237	8.075	8.070	0.005	84	184262	12.5	11.7	
122 4-Aminobiphenyl	169	8.075	8.070	0.005	91	1440508	12.5	11.9	
124 Pronamide	173	8.145	8.145	0.000	90	616356	12.5	13.1	
* 126 Phenanthrene-d10	188	8.233	8.233	0.000	98	708255	5.00	5.00	
125 Dinoseb	211	8.256	8.250	0.006	93	364856	12.5	12.6	
128 Phenanthrene	178	8.256	8.256	0.000	98	1838322	12.5	11.8	
127 Disulfoton	88	8.262	8.262	0.000	95	828111	12.5	12.0	
129 Anthracene	178	8.309	8.303	0.006	98	1914243	12.5	12.5	
130 Carbazole	167	8.472	8.466	0.006	96	1792366	12.5	12.5	
131 Methyl parathion	109	8.612	8.612	0.000	91	515267	12.5	14.8	
133 Di-n-butyl phthalate	149	8.833	8.833	0.000	100	2086968	12.5	13.6	
134 Ethyl Parathion	109	8.991	8.990	0.000	84	304441	12.5	14.8	
135 4-Nitroquinoline-1-oxide	190	8.996	8.996	0.000	89	155604	12.5	11.3	
140 Octachlorostyrene	308	9.212	9.212	0.000	92	162951	12.5	12.4	
141 Isodrin	193	9.235	9.235	0.000	94	218604	12.5	11.9	
143 Fluoranthene	202	9.381	9.381	0.000	98	2019172	12.5	12.4	
147 Benzidine	184	9.533	9.533	0.001	99	1605048	12.5	15.5	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	98	696203	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	97	2088449	12.5	11.7	
S 136 Diallate	86				0		12.5	12.8	
154 p-Dimethylamino azobenzene	225	9.906	9.900	0.006	93	385334	12.5	14.6	
155 Chlorobenzilate	139	9.952	9.952	0.000	89	678583	12.5	13.8	
137 Aramite Peak 1	185		9.966				ND	ND	
138 Aramite Peak 2	185		9.983				ND	ND	
139 Aramite Peak 3	185		10.030				ND	ND	
142 Aramite Peak 4	185		10.106				ND	ND	
156 3,3'-Dimethylbenzidine	212	10.226	10.226	0.000	99	1103177	12.5	12.4	
157 Butyl benzyl phthalate	149	10.255	10.255	0.000	97	885949	12.5	13.5	
158 2-Acetylaminofluorene	181	10.477	10.471	0.006	94	735552	12.5	12.2	
151 Famphur	218		10.500				ND	ND	
159 3,3'-Dichlorobenzidine	252	10.780	10.774	0.006	74	1010103	12.5	18.8	
161 Benzo[a]anthracene	228	10.780	10.780	0.000	99	1761259	12.5	12.6	
160 4,4'-Methylene bis(2-chloroani	231	10.786	10.786	0.000	94	388936	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.821	10.815	0.006	97	1703379	12.5	12.2	
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	95	1148145	12.5	12.8	
164 6-Methylchrysene	242	11.334	11.328	0.006	99	1185734	12.5	12.6	
165 Di-n-octyl phthalate	149	11.660	11.654	0.006	98	1816168	12.5	13.9	
166 7,12-Dimethylbenz(a)anthracene	256	12.039	12.033	0.006	88	794235	12.5	13.8	
167 Benzo[b]fluoranthene	252	12.033	12.033	0.000	97	1784165	12.5	13.7	
168 Benzo[k]fluoranthene	252	12.074	12.068	0.006	99	1687213	12.5	12.4	
169 Benzo[a]pyrene	252	12.447	12.441	0.006	77	1600400	12.5	13.6	
* 170 Perylene-d12	264	12.517	12.517	0.000	98	537213	5.00	5.00	
171 3-Methylcholanthrene	268	12.925	12.925	0.000	91	786924	12.5	13.7	
172 Dibenz[a,h]acridine	279	13.659	13.653	0.006	91	1247469	12.5	14.3	
173 Dibenz[a,j]acridine	279	13.729	13.723	0.006	96	1325217	12.5	14.0	
174 Indeno[1,2,3-cd]pyrene	276	13.951	13.945	0.006	99	1328823	12.5	12.5	
175 Dibenz(a,h)anthracene	278	13.991	13.991	0.000	93	1440183	12.5	12.9	
176 Benzo[g,h,i]perylene	276	14.300	14.294	0.006	98	1410504	12.5	12.5	
S 177 Aramite, Total	185		44.000				12.5	ND	7
S 182 Isosafrole	162				0		12.5	12.8	

QC Flag Legend

Processing Flags
- ND - Not Detected or Marked ND
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected
- a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

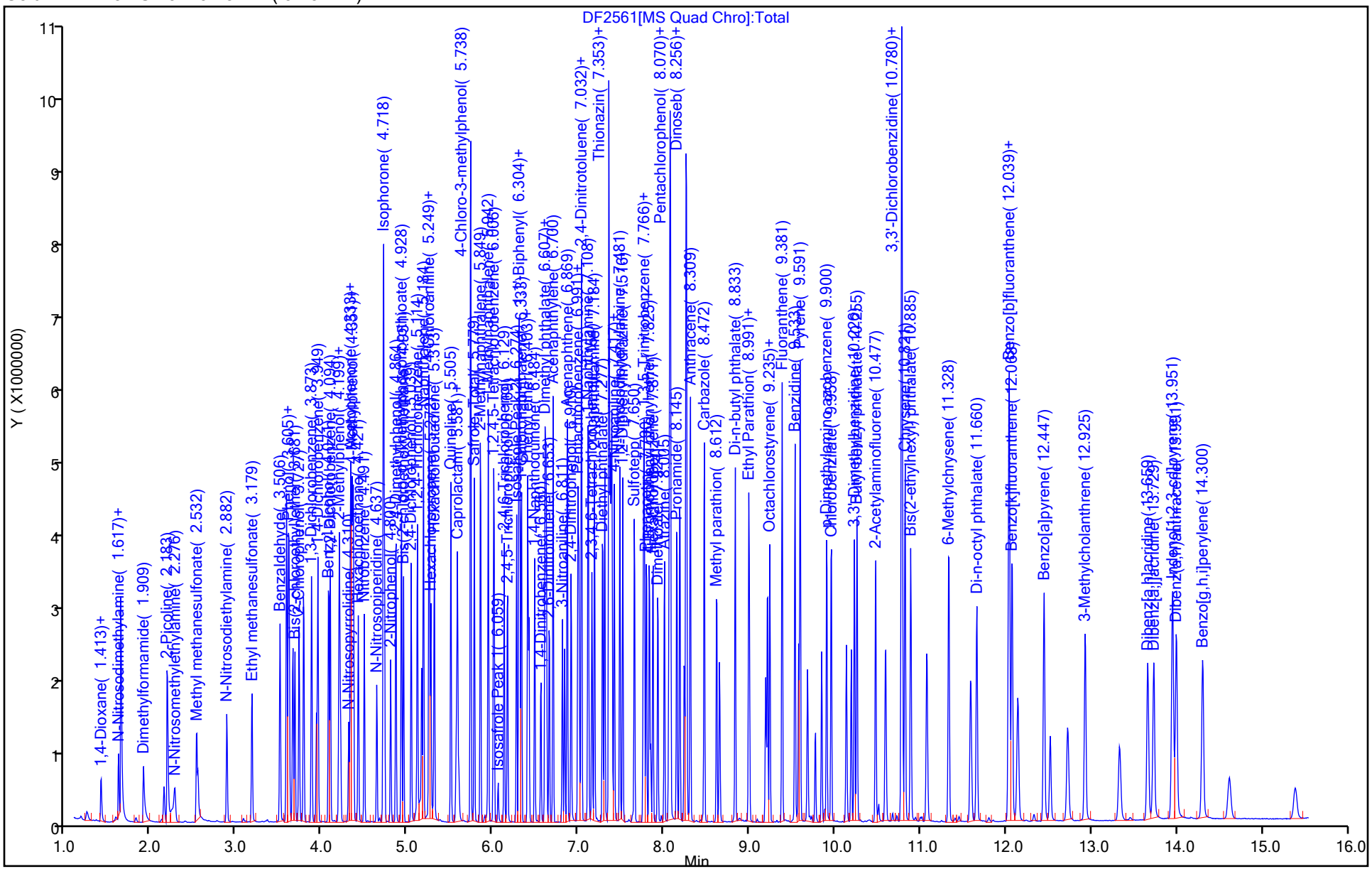
Report Date: 26-Jun-2025 08:33:36 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2561.D

Injection Date:	26-Jun-2025 03:14:29	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-662998/12 Calibration Date: 06/26/2025 03:14

Instrument ID: HP19760 Calib Start Date: 06/25/2025 23:30

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 02:03

Lab File ID: DF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5526	0.4812		10.9	12.5	-12.9	30.0
N-Nitrosodimethylamine	Ave	0.7904	0.7724		12.2	12.5	-2.3	30.0
Pyridine	Ave	1.397	1.271		22.8	25.0	-9.0	30.0
N,N-dimethylformamide	Ave	0.8573	0.8931		13.0	12.5	4.2	30.0
2-Picoline	Ave	1.587	1.523		12.0	12.5	-4.1	30.0
N-Nitrosomethylethylamine	Ave	0.7005	0.6524		11.6	12.5	-6.9	30.0
Methyl methanesulfonate	Ave	0.8114	0.7934		12.2	12.5	-2.2	30.0
N-Nitrosodiethylamine	Ave	0.6988	0.6833		12.2	12.5	-2.2	30.0
Ethyl methanesulfonate	Ave	0.7625	0.7357		12.1	12.5	-3.5	30.0
Benzaldehyde	Ave	1.231	1.024	0.0100	10.4	12.5	-16.8	30.0
Phenol	Ave	2.026	1.910	0.8000	11.8	12.5	-5.7	30.0
Aniline	Ave	2.399	2.320		12.1	12.5	-3.3	30.0
Bis(2-chloroethyl)ether	Ave	1.467	1.380	0.7000	11.8	12.5	-5.9	30.0
2-Chlorophenol	Ave	1.320	1.276	0.8000	12.1	12.5	-3.4	30.0
1,3-Dichlorobenzene	Ave	1.499	1.392		11.6	12.5	-7.1	30.0
1,4-Dichlorobenzene	Ave	1.483	1.402		11.8	12.5	-5.5	30.0
Benzyl alcohol	Ave	0.9106	0.9248		12.7	12.5	1.6	30.0
1,2-Dichlorobenzene	Ave	1.422	1.341		11.8	12.5	-5.7	30.0
o-Cresol	Ave	1.258	1.243	0.7000	12.3	12.5	-1.3	30.0
bis (2-chloroisopropyl) ether	Ave	1.321	1.219	0.0100	11.5	12.5	-7.7	30.0
N-Nitrosopyrrolidine	Ave	0.7406	0.7544		12.7	12.5	1.9	30.0
Acetophenone	Ave	2.102	2.005	0.0100	11.9	12.5	-4.6	30.0
N-Nitrosodi-n-propylamine	Ave	1.024	0.9807	0.5000	12.0	12.5	-4.2	30.0
m & p-Cresol	Ave	1.452	1.441	0.6000	12.4	12.5	-0.8	30.0
N-Nitrosomorpholine	Ave	0.7630	0.7367		12.1	12.5	-3.4	30.0
2-Toluidine	Ave	2.272	2.275		12.5	12.5	0.2	30.0
Hexachloroethane	Ave	0.6238	0.5596	0.3000	11.2	12.5	-10.3	30.0
Nitrobenzene	Ave	0.4134	0.3976	0.2000	12.0	12.5	-3.8	30.0
N-Nitrosopiperidine	Ave	0.1879	0.1892		12.6	12.5	0.7	30.0
Isophorone	Ave	0.7311	0.7072	0.4000	12.1	12.5	-3.3	30.0
2-Nitrophenol	Ave	0.1797	0.1854	0.1000	12.9	12.5	3.2	30.0
2,4-Dimethylphenol	Ave	0.3897	0.3840	0.2000	12.3	12.5	-1.5	30.0
o,o',o''-Triethylphosphorothioate	Ave	0.1791	0.1770		12.4	12.5	-1.2	30.0
Bis(2-chloroethoxy)methane	Ave	0.4808	0.4549	0.3000	11.8	12.5	-5.4	30.0
2,4-Dichlorophenol	Ave	0.2811	0.2859	0.2000	12.7	12.5	1.7	30.0
1,2,4-Trichlorobenzene	Ave	0.3194	0.3056		12.0	12.5	-4.3	30.0
Naphthalene	Ave	1.074	1.007	0.7000	11.7	12.5	-6.3	30.0
4-Chloroaniline	Ave	0.4237	0.4322	0.0100	12.8	12.5	2.0	30.0
2,6-Dichlorophenol	Ave	0.2782	0.2827		12.7	12.5	1.6	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-662998/12 Calibration Date: 06/26/2025 03:14

Instrument ID: HP19760 Calib Start Date: 06/25/2025 23:30

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 02:03

Lab File ID: DF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachloropropene	Ave	0.2295	0.2171		11.8	12.5	-5.4	30.0
Hexachlorobutadiene	Ave	0.1883	0.1809	0.0100	12.0	12.5	-3.9	30.0
Quinoline	Ave	0.6933	0.6666		12.0	12.5	-3.9	30.0
Caprolactam	Ave	0.1016	0.1060	0.0100	13.0	12.5	4.3	30.0
N-Nitrosodi-n-butylamine	Ave	0.3409	0.3495		12.8	12.5	2.5	30.0
4-Chloro-3-methylphenol	Ave	0.3269	0.3229	0.2000	12.4	12.5	-1.2	30.0
Safrole, Total	Ave	0.2611	0.2640		12.6	12.5	1.1	30.0
2-Methylnaphthalene	Ave	0.6044	0.6436	0.4000	13.3	12.5	6.5	30.0
1-Methylnaphthalene	Ave	0.6301	0.5846		11.6	12.5	-7.2	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6252	0.5876	0.0100	11.8	12.5	-6.0	30.0
Isosafrole Peak 1	Ave	0.5382	0.5519		1.54	1.50	2.5	30.0
2,4,6-Trichlorophenol	Ave	0.3651	0.3826	0.2000	13.1	12.5	4.8	30.0
2,4,5-Trichlorophenol	Ave	0.4005	0.4189	0.2000	13.1	12.5	4.6	30.0
Isosafrole Peak 2	Ave	0.5818	0.5975		11.3	11.0	2.7	30.0
1,1'-Biphenyl	Ave	1.573	1.532	0.0100	12.2	12.5	-2.6	30.0
2-Chloronaphthalene	Ave	1.233	1.156	0.8000	11.7	12.5	-6.3	30.0
1-Chloronaphthalene	Ave	1.091	1.122		12.9	12.5	2.8	30.0
Diphenyl ether	Ave	0.8831	0.8215		11.6	12.5	-7.0	30.0
2-Nitroaniline	Ave	0.3842	0.4057	0.0100	13.2	12.5	5.6	30.0
1,4-Naphthoquinone	Ave	0.4317	0.4889		14.2	12.5	13.2	30.0
1,4-Dinitrobenzene	Ave	0.1907	0.2139		14.0	12.5	12.2	30.0
Dimethyl phthalate	Ave	1.357	1.355	0.0100	12.5	12.5	-0.1	30.0
1,3-Dinitrobenzene	Ave	0.2245	0.2234		12.4	12.5	-0.5	30.0
2,6-Dinitrotoluene	Ave	0.2892	0.3031	0.2000	13.1	12.5	4.8	30.0
Acenaphthylene	Ave	1.885	1.923	0.9000	12.8	12.5	2.0	30.0
3-Nitroaniline	Ave	0.3222	0.3448	0.0100	13.4	12.5	7.0	30.0
Acenaphthene	Ave	1.274	1.219	0.9000	12.0	12.5	-4.4	30.0
2,4-Dinitrophenol	Ave	0.2009	0.2049	0.0100	25.5	25.0	2.0	30.0
Pentachlorobenzene	Ave	0.5474	0.5357		12.2	12.5	-2.1	30.0
4-Nitrophenol	Ave	0.2160	0.2310	0.0100	26.7	25.0	7.0	30.0
Dibenzofuran	Ave	1.743	1.675	0.8000	12.0	12.5	-3.9	30.0
2,4-Dinitrotoluene	Ave	0.3982	0.4209	0.2000	13.2	12.5	5.7	30.0
1-Naphthylamine	Ave	1.194	1.069		11.2	12.5	-10.5	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3326	0.3361	0.0100	12.6	12.5	1.1	30.0
2-Naphthylamine	Ave	1.260	1.285		12.7	12.5	1.9	30.0
Diethyl phthalate	Ave	1.367	1.345	0.0100	12.3	12.5	-1.5	30.0
Fluorene	Ave	1.358	1.312	0.9000	12.1	12.5	-3.4	30.0
O,O-Diethyl O-2-pyrazinyl phosphorothioate	Ave	0.2563	0.2423		11.8	12.5	-5.5	30.0
4-Chlorophenyl-phenyl ether	Ave	0.6715	0.6397	0.4000	11.9	12.5	-4.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-662998/12 Calibration Date: 06/26/2025 03:14

Instrument ID: HP19760 Calib Start Date: 06/25/2025 23:30

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 02:03

Lab File ID: DF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
5-Nitro-o-toluidine	Ave	0.3696	0.3972		13.4	12.5	7.5	30.0
4-Nitroaniline	Ave	0.3171	0.3294	0.0100	13.0	12.5	3.9	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1402	0.1445	0.0100	25.8	25.0	3.1	30.0
n-Nitrosodiphenylamine(as diphenylamine)	Ave	0.6407	0.6443	0.0100	10.7	10.6	0.6	30.0
1,2-Diphenylhydrazine	Ave	0.8015	0.8068		12.6	12.5	0.7	30.0
Sulfotepp	Ave	0.1426	0.1471		12.9	12.5	3.2	30.0
1,3,5-Trinitrobenzene	Ave	0.0785	0.0833			12.5	6.1	30.0
cis-Diallate	Ave	0.3520	0.3589		9.56	9.38	2.0	30.0
Phorate	Qua2		0.6897		13.7	12.5	9.6	30.0
Phenacetin	Ave	0.3918	0.4122		13.2	12.5	5.2	30.0
4-Bromophenyl-phenylether	Ave	0.2234	0.2151	0.1000	12.0	12.5	-3.7	30.0
trans-Diallate	Ave	0.3611	0.3729		3.23	3.13	3.3	30.0
Hexachlorobenzene	Ave	0.2503	0.2343	0.1000	11.7	12.5	-6.4	30.0
Dimethoate	Ave	0.3078	0.3331		13.5	12.5	8.2	30.0
Atrazine	Ave	0.2018	0.2047	0.0100	12.7	12.5	1.4	30.0
Pentachlorophenol	Ave	0.1434	0.1460	0.0500	25.4	25.0	1.8	30.0
4-Aminobiphenyl	Ave	0.8530	0.8136		11.9	12.5	-4.6	30.0
Pentachloronitrobenzene	Ave	0.1111	0.1041		11.7	12.5	-6.3	30.0
Pronamide	Ave	0.3330	0.3481		13.1	12.5	4.5	30.0
Dinoseb	Ave	0.2041	0.2061		12.6	12.5	1.0	30.0
Phenanthrene	Ave	1.104	1.038	0.7000	11.8	12.5	-6.0	30.0
Disulfoton	Ave	0.4852	0.4677		12.1	12.5	-3.6	30.0
Anthracene	Ave	1.083	1.081	0.7000	12.5	12.5	-0.2	30.0
Carbazole	Ave	1.014	1.012	0.0100	12.5	12.5	-0.1	30.0
Methyl parathion	Ave	0.2450	0.2910		14.9	12.5	18.8	30.0
Di-n-butyl phthalate	Ave	1.083	1.179	0.0100	13.6	12.5	8.9	30.0
Parathion	Ave	0.1450	0.1719		14.8	12.5	18.6	30.0
4-Nitroquinoline-1-oxide	Lin2		0.0879		11.3	12.5	-9.5	30.0
Octachlorostyrene	Ave	0.0930	0.0920		12.4	12.5	-1.1	30.0
Isodrin	Ave	0.1301	0.1235		11.9	12.5	-5.1	30.0
Fluoranthene	Ave	1.149	1.140	0.6000	12.4	12.5	-0.7	30.0
Benzidine	Ave	0.7459	0.9222		15.5	12.5	23.6	30.0
Pyrene	Ave	1.278	1.200	0.6000	11.7	12.5	-6.1	30.0
p-Dimethylamino azobenzene	Ave	0.1899	0.2214		14.6	12.5	16.6	30.0
Chlorobenzilate	Ave	0.3535	0.3899		13.8	12.5	10.3	30.0
3,3'-Dimethylbenzidine	Ave	0.6393	0.6338		12.4	12.5	-0.9	30.0
Butyl benzyl phthalate	Ave	0.4719	0.5090	0.0100	13.5	12.5	7.9	30.0
2-Acetylaminofluorene	Ave	0.4326	0.4226		12.2	12.5	-2.3	30.0
3,3'-Dichlorobenzidine	Ave	0.3853	0.5803	0.0100	18.8	12.5	50.6*	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-662998/12 Calibration Date: 06/26/2025 03:14

Instrument ID: HP19760 Calib Start Date: 06/25/2025 23:30

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 02:03

Lab File ID: DF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]anthracene	Ave	1.003	1.012	0.8000	12.6	12.5	0.9	30.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2164	0.2235		12.9	12.5	3.3	30.0
Chrysene	Ave	1.004	0.9787	0.7000	12.2	12.5	-2.5	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.6444	0.6597	0.0100	12.8	12.5	2.4	30.0
6-Methylchrysene	Ave	0.6749	0.6813		12.6	12.5	0.9	30.0
Di-n-octyl phthalate	Ave	1.212	1.352	0.0100	14.0	12.5	11.6	30.0
Benzo[b]fluoranthene	Ave	1.215	1.328	0.7000	13.7	12.5	9.3	30.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5341	0.5914		13.8	12.5	10.7	30.0
Benzo[k]fluoranthene	Ave	1.263	1.256	0.7000	12.4	12.5	-0.5	30.0
Benzo[a]pyrene	Ave	1.098	1.192	0.7000	13.6	12.5	8.5	30.0
3-Methylcholanthrene	Ave	0.5336	0.5859		13.7	12.5	9.8	30.0
Dibenz[a,h]acridine	Ave	0.8098	0.9288		14.3	12.5	14.7	30.0
Dibenz[a,j]acridine	Ave	0.8813	0.9867		14.0	12.5	12.0	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.9895	0.9894	0.5000	12.5	12.5	-0.0	30.0
Dibenz(a,h)anthracene	Ave	1.038	1.072	0.4000	12.9	12.5	3.4	30.0
Benzo[g,h,i]perylene	Ave	1.051	1.050	0.5000	12.5	12.5	-0.1	30.0
1,4-phenylenediamine	Ave	0.3645				12.5		
Hexachlorocyclopentadiene	Ave	0.4089				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2561.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 26-Jun-2025 03:14:29 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0151574-012
Operator ID: IR93211 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:29:58 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:37:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.413	1.407	0.006	90	259965	12.5	10.9	
3 N-Nitrosodimethylamine	74	1.617	1.617	0.000	88	417300	12.5	12.2	
4 Pyridine	79	1.641	1.646	-0.005	95	1373858	25.0	22.7	
6 Dimethylformamide	73	1.909	1.914	-0.005	89	482525	12.5	13.0	
7 2-Picoline	93	2.183	2.188	-0.005	90	822618	12.5	12.0	
8 N-Nitrosomethylethylamine	88	2.276	2.270	0.006	82	352457	12.5	11.6	
9 Methyl methanesulfonate	80	2.532	2.526	0.006	84	428641	12.5	12.2	
11 N-Nitrosodiethylamine	102	2.882	2.882	0.000	85	369162	12.5	12.2	
12 Ethyl methanesulfonate	109	3.179	3.173	0.006	99	397472	12.5	12.1	
15 Benzaldehyde	77	3.506	3.506	0.000	97	553360	12.5	10.4	
17 Phenol	94	3.605	3.599	0.006	88	1031720	12.5	11.8	
18 Aniline	93	3.611	3.611	0.000	92	1253531	12.5	12.1	
19 Bis(2-chloroethyl)ether	93	3.681	3.681	0.000	99	745491	12.5	11.8	
20 2-Chlorophenol	128	3.727	3.727	0.000	94	689185	12.5	12.1	
21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	95	752286	12.5	11.6	
* 22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	95	216105	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	93	757599	12.5	11.8	
25 Benzyl alcohol	108	4.077	4.071	0.006	92	499629	12.5	12.7	
26 1,2-Dichlorobenzene	146	4.094	4.094	0.000	96	724666	12.5	11.8	
14 Indene	115		4.182				ND	ND	
28 2-Methylphenol	108	4.199	4.193	0.006	95	671350	12.5	12.3	
29 2,2'-oxybis[1-chloropropane]	45	4.211	4.205	0.006	92	658571	12.5	11.5	
31 N-Nitrosopyrrolidine	100	4.310	4.304	0.006	91	407583	12.5	12.7	
34 Acetophenone	105	4.328	4.328	0.000	97	1083208	12.5	11.9	
33 N-Nitrosodi-n-propylamine	70	4.339	4.333	0.006	72	529815	12.5	12.0	
32 4-Methylphenol	108	4.351	4.345	0.006	89	778658	12.5	12.4	
35 N-Nitrosomorpholine	56	4.351	4.351	0.000	86	398008	12.5	12.1	
36 2-Toluidine	106	4.363	4.363	0.001	96	1229358	12.5	12.5	
38 Hexachloroethane	117	4.421	4.421	0.000	96	302322	12.5	11.2	
40 Nitrobenzene	77	4.491	4.491	0.000	83	774823	12.5	12.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	42 N-Nitrosopiperidine	114	4.637	4.636	0.001	88	368721	12.5	12.6	
	43 Isophorone	82	4.730	4.724	0.006	96	1378061	12.5	12.1	
	44 2-Nitrophenol	139	4.800	4.800	0.000	89	361359	12.5	12.9	
	45 2,4-Dimethylphenol	107	4.864	4.858	0.006	95	748318	12.5	12.3	
	46 o,o',o''-Triethylphosphorothioat	198	4.928	4.922	0.006	88	344903	12.5	12.4	
	30 Benzoic acid	105		4.945				ND	ND	
	47 Bis(2-chloroethoxy)methane	93	4.951	4.951	0.000	96	886410	12.5	11.8	
	48 2,4-Dichlorophenol	162	5.039	5.039	0.000	93	557182	12.5	12.7	
	49 1,2,4-Trichlorobenzene	180	5.114	5.114	0.000	94	595547	12.5	12.0	
*	50 Naphthalene-d8	136	5.161	5.161	0.000	100	779479	5.00	5.00	
	51 Naphthalene	128	5.184	5.184	0.000	97	1961452	12.5	11.7	
	53 4-Chloroaniline	127	5.249	5.248	0.001	94	842209	12.5	12.8	
	54 2,6-Dichlorophenol	162	5.254	5.254	0.000	97	550820	12.5	12.7	
	55 Hexachloropropene	213	5.272	5.272	0.000	87	423082	12.5	11.8	
	56 Hexachlorobutadiene	225	5.313	5.313	0.000	96	352569	12.5	12.0	
	60 Quinoline	129	5.505	5.505	0.000	96	1298945	12.5	12.0	
	61 Caprolactam	113	5.569	5.557	0.012	83	206638	12.5	13.0	
	62 N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	86	680998	12.5	12.8	
	63 p-Phenylene diamine	108		5.587				ND	ND	U
	64 4-Chloro-3-methylphenol	107	5.738	5.732	0.006	93	629258	12.5	12.3	
	65 Safrole, Total	162	5.779	5.779	0.000	87	514424	12.5	12.6	
	66 2-Methylnaphthalene	142	5.849	5.849	0.000	91	1254214	12.5	13.3	
	67 1-Methylnaphthalene	142	5.942	5.942	0.000	91	1139294	12.5	11.6	
	68 Hexachlorocyclopentadiene	237		6.000				ND	ND	U
	69 1,2,4,5-Tetrachlorobenzene	216	6.012	6.012	0.000	97	595441	12.5	11.7	
	70 Isosafrole Peak 1	162	6.059	6.059	0.000	89	67108	1.50	1.54	
	71 2,4,6-Trichlorophenol	196	6.129	6.129	0.000	92	387679	12.5	13.1	
	72 2,4,5-Trichlorophenol	196	6.169	6.164	0.005	94	424441	12.5	13.1	
	74 Isosafrole Peak 2	162	6.274	6.274	0.000	90	532777	11.0	11.3	
	75 1,1'-Biphenyl	154	6.304	6.298	0.006	96	1552592	12.5	12.2	
	76 2-Chloronaphthalene	162	6.309	6.309	0.000	98	1171253	12.5	11.7	
	77 1-Chloronaphthalene	162	6.333	6.327	0.006	97	1137207	12.5	12.9	
	78 Phenyl ether	170	6.403	6.403	0.000	81	832385	12.5	11.6	
	79 2-Nitroaniline	138	6.420	6.414	0.006	82	411083	12.5	13.2	
	81 1,4-Naphthoquinone	158	6.484	6.484	0.000	87	495373	12.5	14.2	
	84 1,4-Dinitrobenzene	168	6.560	6.554	0.006	88	216790	12.5	14.0	
	85 Dimethyl phthalate	163	6.607	6.607	0.000	99	1373251	12.5	12.5	
	86 1,3-Dinitrobenzene	168	6.624	6.624	0.000	87	226414	12.5	12.4	
	87 2,6-Dinitrotoluene	165	6.659	6.653	0.006	95	307156	12.5	13.1	
	88 Acenaphthylene	152	6.700	6.700	0.000	98	1948234	12.5	12.8	
	89 3-Nitroaniline	138	6.811	6.805	0.006	92	349333	12.5	13.4	
*	90 Acenaphthene-d10	164	6.834	6.834	0.000	94	405310	5.00	5.00	
	91 Acenaphthene	153	6.869	6.863	0.006	95	1234906	12.5	12.0	
	92 2,4-Dinitrophenol	184	6.916	6.910	0.006	90	415298	25.0	25.5	
	94 Pentachlorobenzene	250	6.991	6.991	0.000	98	542815	12.5	12.2	
	93 4-Nitrophenol	109	7.003	7.003	0.000	82	468201	25.0	26.7	
	96 Dibenzofuran	168	7.032	7.032	0.000	97	1696859	12.5	12.0	
	95 2,4-Dinitrotoluene	165	7.038	7.032	0.006	87	426457	12.5	13.2	
	97 1-Naphthylamine	143	7.108	7.108	0.000	98	1083279	12.5	11.2	
	98 2,3,4,6-Tetrachlorophenol	232	7.154	7.154	0.000	74	340570	12.5	12.6	
	99 2-Naphthylamine	143	7.184	7.184	0.000	95	1301719	12.5	12.7	
	100 Diethyl phthalate	149	7.283	7.277	0.006	98	1363205	12.5	12.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Thionazin	107	7.353	7.347	0.006	80	245510	12.5	11.8	
102 Fluorene	166	7.353	7.353	0.000	93	1329064	12.5	12.1	
103 4-Chlorophenyl phenyl ether	204	7.370	7.364	0.006	89	648170	12.5	11.9	
104 N-Nitro-o-toluidine	152	7.376	7.376	0.000	92	402460	12.5	13.4	
105 4-Nitroaniline	138	7.388	7.382	0.006	85	333795	12.5	13.0	
106 4,6-Dinitro-2-methylphenol	198	7.417	7.417	0.000	83	511774	25.0	25.8	
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	63	969727	10.6	10.7	
108 1,2-Diphenylhydrazine	77	7.516	7.516	0.000	41	1428633	12.5	12.6	
110 Sulfotepp	97	7.650	7.650	0.000	78	260500	12.5	12.9	
112 1,3,5-Trinitrobenzene	213	7.755	7.749	0.006	83	147453	12.5	13.3	a
113 cis-Diallate	86	7.761	7.761	0.000	0	476609	9.38	9.56	
114 Phorate	75	7.766	7.766	0.000	95	1221125	12.5	13.7	
115 Phenacetin	108	7.790	7.784	0.006	92	729932	12.5	13.2	
116 4-Bromophenyl phenyl ether	248	7.831	7.825	0.006	62	380869	12.5	12.0	
117 trans-Diallate	86	7.842	7.842	0.000	0	165050	3.13	3.23	
118 Hexachlorobenzene	284	7.871	7.866	0.005	94	414925	12.5	11.7	
119 Dimethoate	87	7.924	7.924	0.000	97	589772	12.5	13.5	
120 Atrazine	200	8.005	8.000	0.005	95	362437	12.5	12.7	
121 Pentachlorophenol	266	8.064	8.064	0.000	92	516955	25.0	25.4	
123 Pentachloronitrobenzene	237	8.075	8.070	0.005	84	184262	12.5	11.7	
122 4-Aminobiphenyl	169	8.075	8.070	0.005	91	1440508	12.5	11.9	
124 Pronamide	173	8.145	8.145	0.000	90	616356	12.5	13.1	
* 126 Phenanthrene-d10	188	8.233	8.233	0.000	98	708255	5.00	5.00	
125 Dinoseb	211	8.256	8.250	0.006	93	364856	12.5	12.6	
128 Phenanthrene	178	8.256	8.256	0.000	98	1838322	12.5	11.8	
127 Disulfoton	88	8.262	8.262	0.000	95	828111	12.5	12.0	
129 Anthracene	178	8.309	8.303	0.006	98	1914243	12.5	12.5	
130 Carbazole	167	8.472	8.466	0.006	96	1792366	12.5	12.5	
131 Methyl parathion	109	8.612	8.612	0.000	91	515267	12.5	14.8	
133 Di-n-butyl phthalate	149	8.833	8.833	0.000	100	2086968	12.5	13.6	
134 Ethyl Parathion	109	8.991	8.990	0.000	84	304441	12.5	14.8	
135 4-Nitroquinoline-1-oxide	190	8.996	8.996	0.000	89	155604	12.5	11.3	
140 Octachlorostyrene	308	9.212	9.212	0.000	92	162951	12.5	12.4	
141 Isodrin	193	9.235	9.235	0.000	94	218604	12.5	11.9	
143 Fluoranthene	202	9.381	9.381	0.000	98	2019172	12.5	12.4	
147 Benzidine	184	9.533	9.533	0.001	99	1605048	12.5	15.5	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	98	696203	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	97	2088449	12.5	11.7	
S 136 Diallate	86				0		12.5	12.8	
154 p-Dimethylamino azobenzene	225	9.906	9.900	0.006	93	385334	12.5	14.6	
155 Chlorobenzilate	139	9.952	9.952	0.000	89	678583	12.5	13.8	
137 Aramite Peak 1	185		9.966				ND	ND	
138 Aramite Peak 2	185		9.983				ND	ND	
139 Aramite Peak 3	185		10.030				ND	ND	
142 Aramite Peak 4	185		10.106				ND	ND	
156 3,3'-Dimethylbenzidine	212	10.226	10.226	0.000	99	1103177	12.5	12.4	
157 Butyl benzyl phthalate	149	10.255	10.255	0.000	97	885949	12.5	13.5	
158 2-Acetylaminofluorene	181	10.477	10.471	0.006	94	735552	12.5	12.2	
151 Famphur	218		10.500				ND	ND	
159 3,3'-Dichlorobenzidine	252	10.780	10.774	0.006	74	1010103	12.5	18.8	
161 Benzo[a]anthracene	228	10.780	10.780	0.000	99	1761259	12.5	12.6	
160 4,4'-Methylene bis(2-chloroanil	231	10.786	10.786	0.000	94	388936	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.821	10.815	0.006	97	1703379	12.5	12.2	
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	95	1148145	12.5	12.8	
164 6-Methylchrysene	242	11.334	11.328	0.006	99	1185734	12.5	12.6	
165 Di-n-octyl phthalate	149	11.660	11.654	0.006	98	1816168	12.5	13.9	
166 7,12-Dimethylbenz(a)anthracene	256	12.039	12.033	0.006	88	794235	12.5	13.8	
167 Benzo[b]fluoranthene	252	12.033	12.033	0.000	97	1784165	12.5	13.7	
168 Benzo[k]fluoranthene	252	12.074	12.068	0.006	99	1687213	12.5	12.4	
169 Benzo[a]pyrene	252	12.447	12.441	0.006	77	1600400	12.5	13.6	
* 170 Perylene-d12	264	12.517	12.517	0.000	98	537213	5.00	5.00	
171 3-Methylcholanthrene	268	12.925	12.925	0.000	91	786924	12.5	13.7	
172 Dibenz[a,h]acridine	279	13.659	13.653	0.006	91	1247469	12.5	14.3	
173 Dibenz[a,j]acridine	279	13.729	13.723	0.006	96	1325217	12.5	14.0	
174 Indeno[1,2,3-cd]pyrene	276	13.951	13.945	0.006	99	1328823	12.5	12.5	
175 Dibenz(a,h)anthracene	278	13.991	13.991	0.000	93	1440183	12.5	12.9	
176 Benzo[g,h,i]perylene	276	14.300	14.294	0.006	98	1410504	12.5	12.5	
S 177 Aramite, Total	185		44.000				12.5	ND	7
S 182 Isosafrole	162				0		12.5	12.8	

QC Flag Legend

Processing Flags
- ND - Not Detected or Marked ND
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected
- a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

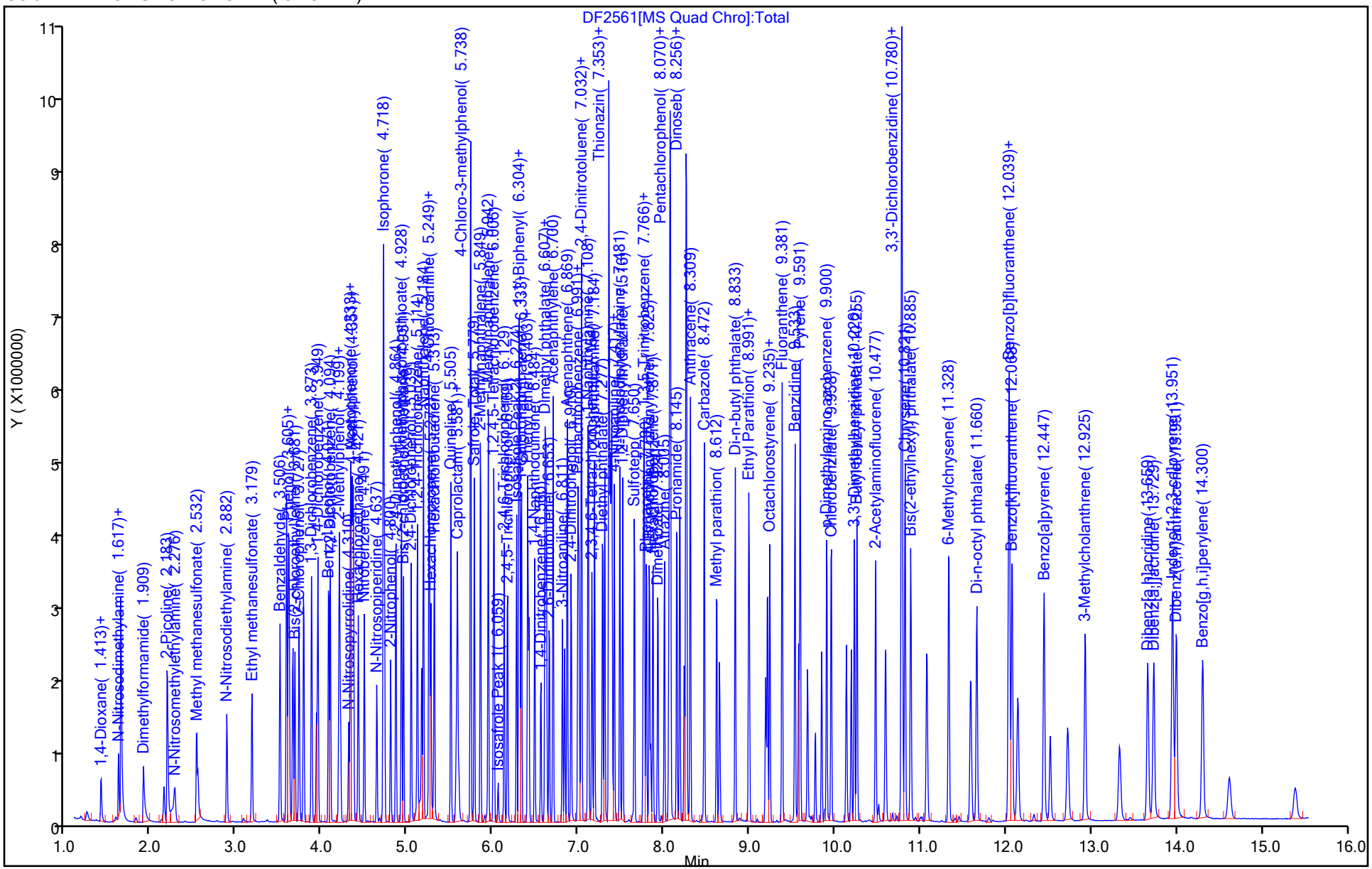
Report Date: 26-Jun-2025 08:33:36 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2561.D

Injection Date:	26-Jun-2025 03:14:29	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

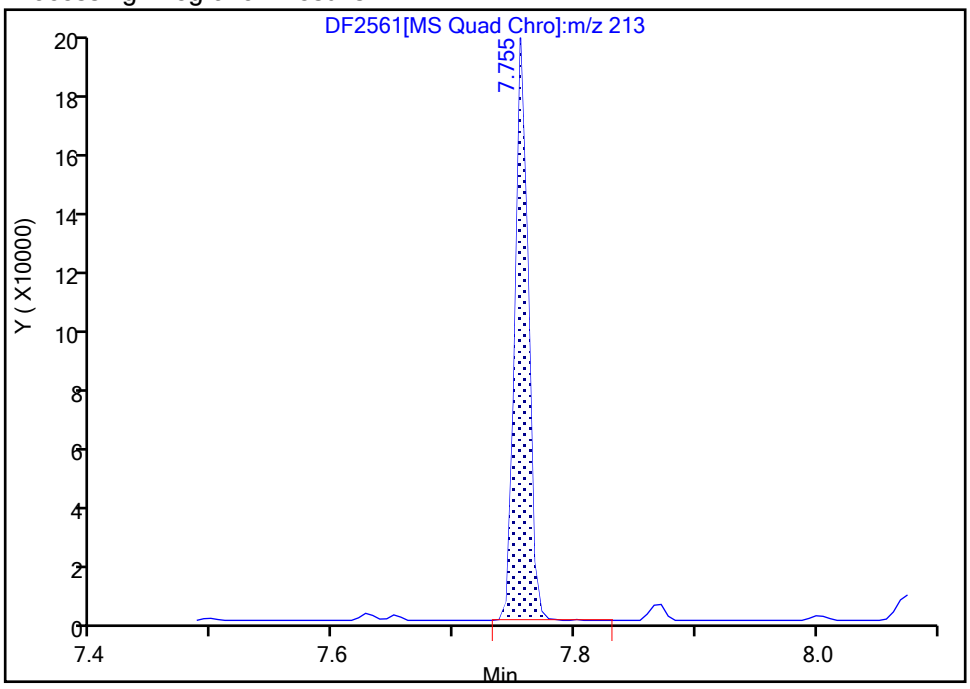
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2561.D				
Injection Date:	26-Jun-2025 03:14:29	Instrument ID:	HP19760		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

112 1,3,5-Trinitrobenzene, CAS: 99-35-4

Signal: 1

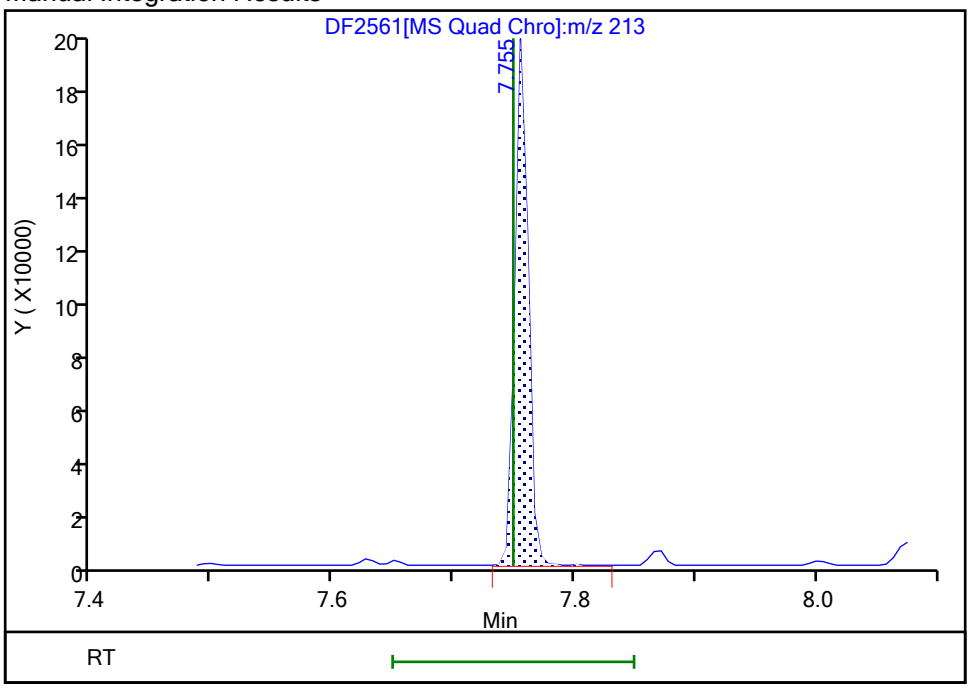
Processing Integration Results

RT: 7.75
Area: 147453
Amount: 11.847625
Amount Units: ug/ml



Manual Integration Results

RT: 7.75
Area: 147453
Amount: 13.263685
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:36:58 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

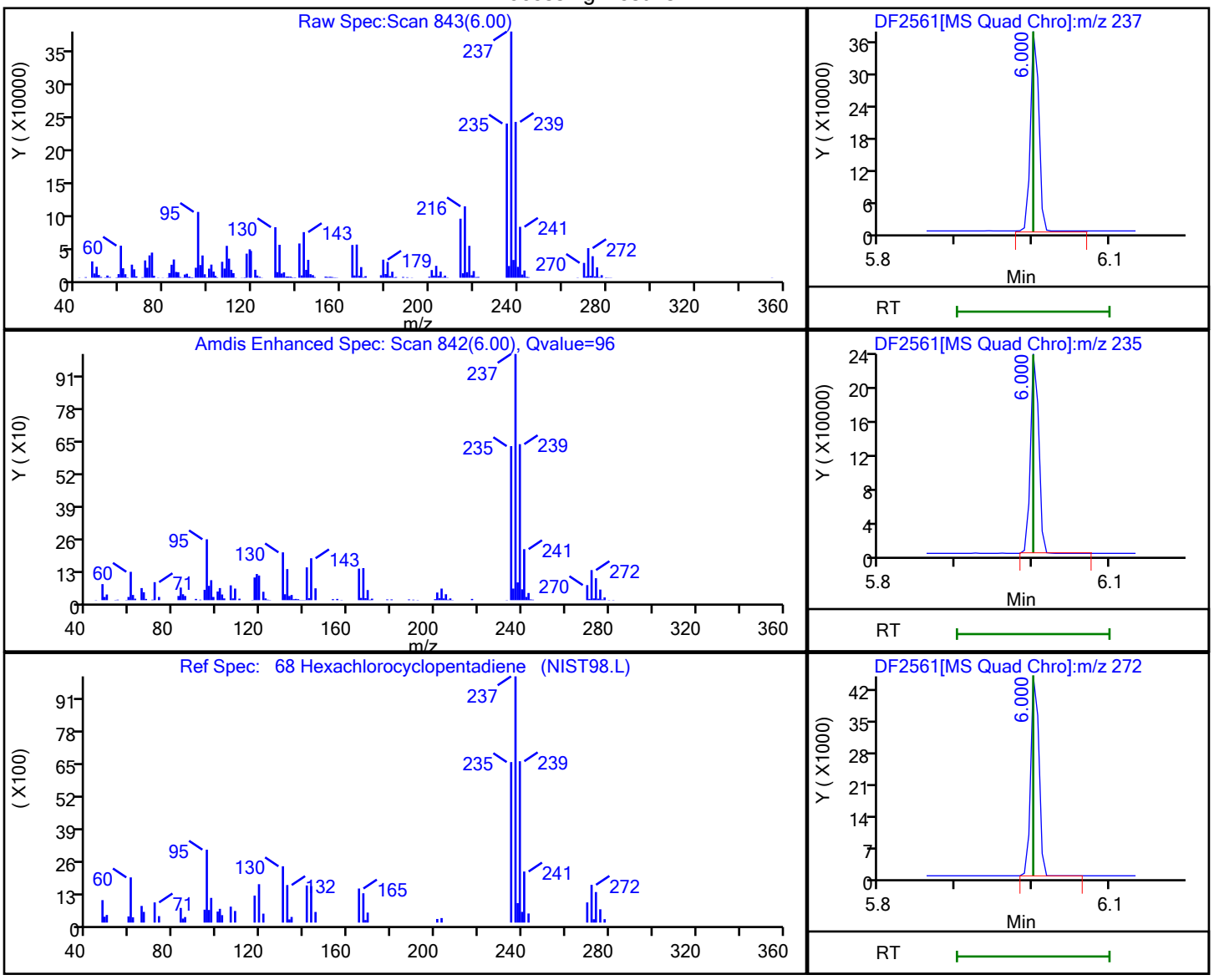
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2561.D				
Injection Date:	26-Jun-2025 03:14:29	Instrument ID:	HP19760		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

68 Hexachlorocyclopentadiene, CAS: 77-47-4

Processing Results



RT	Mass	Response	Amount
6.00	237.00	279326	8.427056
6.00	235.00	173205	
6.00	272.00	33252	

Reviewer: W6ZA, 26-Jun-2025 08:26:31 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

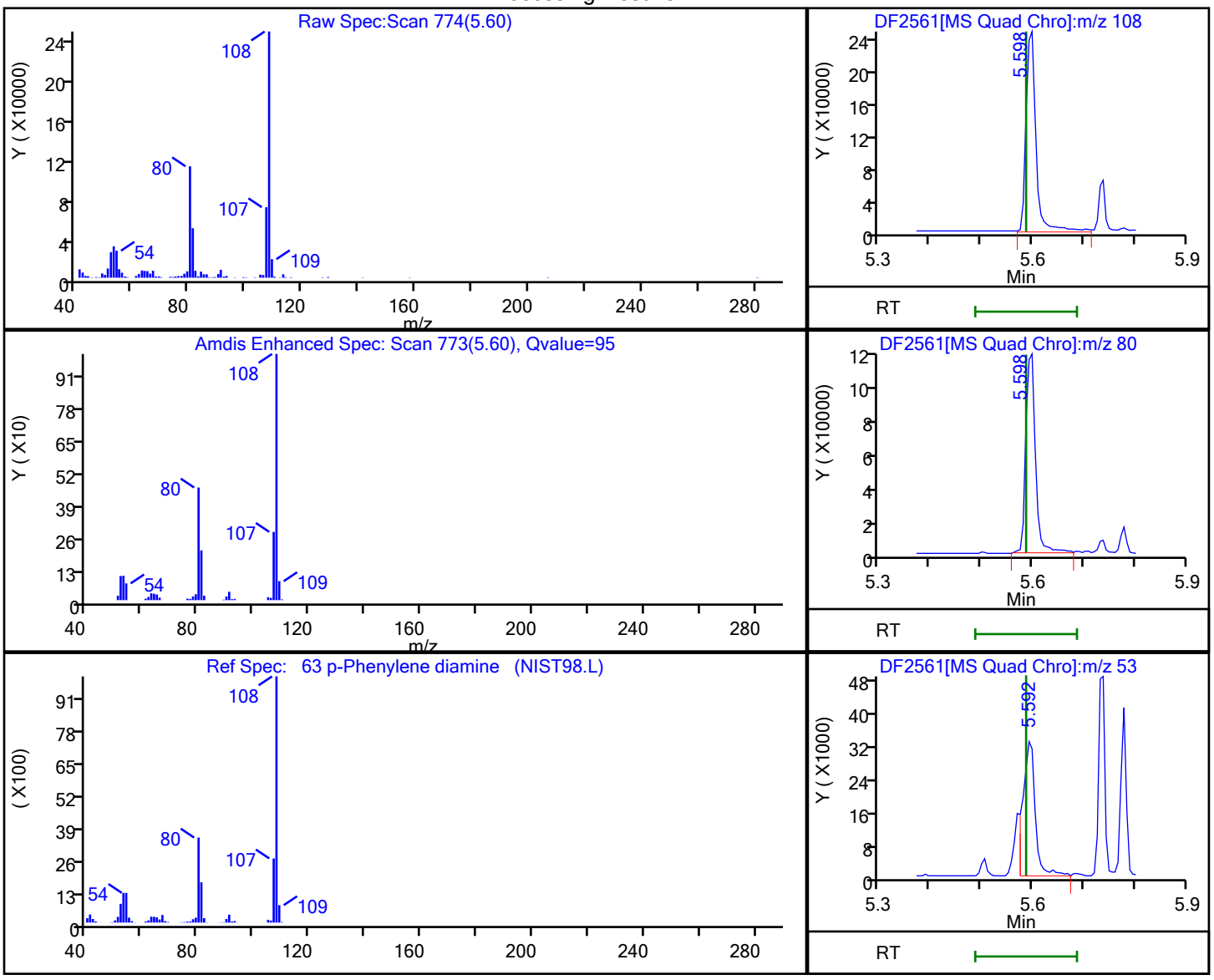
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2561.D				
Injection Date:	26-Jun-2025 03:14:29	Instrument ID:	HP19760		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

63 p-Phenylene diamine, CAS: 106-50-3

Processing Results



RT	Mass	Response	Amount
5.60	108.00	326300	5.741976
5.60	80.00	148845	
5.59	53.00	52561	
5.59	54.00	56876	
5.59	52.00	43770	

Reviewer: W6ZA, 26-Jun-2025 08:26:24 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-682464/2 Calibration Date: 08/07/2025 19:54

Instrument ID: HP19760 Calib Start Date: 06/25/2025 23:30

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 02:03

Lab File ID: DH0751.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5526	0.0019			12.5	-99.7*	20.0
N-Nitrosodimethylamine	Ave	0.7904	0.9551		15.1	12.5	20.8*	20.0
Pyridine	Ave	1.397	1.517		27.1	25.0	8.6	20.0
N,N-dimethylformamide	Ave	0.8573	0.9832		14.3	12.5	14.7	20.0
2-Picoline	Ave	1.587	1.519		12.0	12.5	-4.3	20.0
N-Nitrosomethylethylamine	Ave	0.7005	0.7687		13.7	12.5	9.7	20.0
Methyl methanesulfonate	Ave	0.8114	0.7857		12.1	12.5	-3.2	20.0
N-Nitrosodiethylamine	Ave	0.6988	0.6798		12.2	12.5	-2.7	20.0
Ethyl methanesulfonate	Ave	0.7625	0.7802		12.8	12.5	2.3	20.0
Benzaldehyde	Ave	1.231	1.117	0.0100	11.3	12.5	-9.2	20.0
Phenol	Ave	2.026	1.964	0.8000	12.1	12.5	-3.1	20.0
Aniline	Ave	2.399	2.391		12.5	12.5	-0.3	20.0
Bis(2-chloroethyl)ether	Ave	1.467	1.595	0.7000	13.6	12.5	8.7	20.0
2-Chlorophenol	Ave	1.320	1.383	0.8000	13.1	12.5	4.8	20.0
1,3-Dichlorobenzene	Ave	1.499	1.506		12.6	12.5	0.5	20.0
1,4-Dichlorobenzene	Ave	1.483	1.588		13.4	12.5	7.0	20.0
Benzyl alcohol	Ave	0.9106	0.9578		13.2	12.5	5.2	20.0
1,2-Dichlorobenzene	Ave	1.422	1.486		13.1	12.5	4.5	20.0
o-Cresol	Ave	1.258	1.371	0.7000	13.6	12.5	8.9	20.0
bis (2-chloroisopropyl) ether	Ave	1.321	2.197	0.0100	20.8	12.5	66.4*	20.0
N-Nitrosopyrrolidine	Ave	0.7406	0.7912		13.4	12.5	6.8	20.0
Acetophenone	Ave	2.102	2.101	0.0100	12.5	12.5	-0.0	20.0
N-Nitrosodi-n-propylamine	Ave	1.024	1.141	0.5000	13.9	12.5	11.4	20.0
m & p-Cresol	Ave	1.452	1.558	0.6000	13.4	12.5	7.2	20.0
N-Nitrosomorpholine	Ave	0.7630	1.018		16.7	12.5	33.4*	20.0
2-Toluidine	Ave	2.272	2.398		13.2	12.5	5.5	20.0
Hexachloroethane	Ave	0.6238	0.6120	0.3000	12.3	12.5	-1.9	20.0
Nitrobenzene	Ave	0.4134	0.4519	0.2000	13.7	12.5	9.3	20.0
N-Nitrosopiperidine	Ave	0.1879	0.1927		12.8	12.5	2.6	20.0
Isophorone	Ave	0.7311	0.7956	0.4000	13.6	12.5	8.8	20.0
2-Nitrophenol	Ave	0.1797	0.1936	0.1000	13.5	12.5	7.7	20.0
2,4-Dimethylphenol	Ave	0.3897	0.3970	0.2000	12.7	12.5	1.9	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1791	0.2027		14.2	12.5	13.2	20.0
Bis(2-chloroethoxy)methane	Ave	0.4808	0.5025	0.3000	13.1	12.5	4.5	20.0
2,4-Dichlorophenol	Ave	0.2811	0.3081	0.2000	13.7	12.5	9.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3194	0.3407		13.3	12.5	6.7	20.0
Naphthalene	Ave	1.074	1.056	0.7000	12.3	12.5	-1.7	20.0
a-Terpineol	Ave	0.2593	0.3803		18.3	12.5	46.7*	20.0
4-Chloroaniline	Ave	0.4237	0.4514	0.0100	13.3	12.5	6.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-682464/2 Calibration Date: 08/07/2025 19:54

Instrument ID: HP19760 Calib Start Date: 06/25/2025 23:30

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 02:03

Lab File ID: DH0751.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dichlorophenol	Ave	0.2782	0.3085		13.9	12.5	10.9	20.0
Hexachloropropene	Ave	0.2295	0.2473		13.5	12.5	7.8	20.0
Hexachlorobutadiene	Ave	0.1883	0.1987	0.0100	13.2	12.5	5.5	20.0
Quinoline	Ave	0.6933	0.7115		12.8	12.5	2.6	20.0
Caprolactam	Ave	0.1016	0.1027	0.0100	12.6	12.5	1.0	20.0
N-Nitrosodi-n-butylamine	Ave	0.3409	0.3760		13.8	12.5	10.3	20.0
1,4-phenylenediamine	Ave	0.3645	0.3671			12.5	0.7	20.0
4-Chloro-3-methylphenol	Ave	0.3269	0.3434	0.2000	13.1	12.5	5.1	20.0
Safrole, Total	Ave	0.2611	0.2820		13.5	12.5	8.0	20.0
2-Methylnaphthalene	Ave	0.6044	0.6441	0.4000	13.3	12.5	6.6	20.0
1-Methylnaphthalene	Ave	0.6301	0.6800		13.5	12.5	7.9	20.0
Hexachlorocyclopentadiene	Ave	0.4089	0.4348	0.0500	13.3	12.5	6.3	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6252	0.6140	0.0100	12.3	12.5	-1.8	20.0
Isosafrole Peak 1	Ave	0.5382	0.5444		2.02	2.00	1.2	20.0
2,4,6-Trichlorophenol	Ave	0.3651	0.3746	0.2000	12.8	12.5	2.6	20.0
2,4,5-Trichlorophenol	Ave	0.4005	0.4483	0.2000	14.0	12.5	11.9	20.0
Isosafrole Peak 2	Ave	0.5818	0.5661		10.2	10.5	-2.7	20.0
1,1'-Biphenyl	Ave	1.573	1.481	0.0100	11.8	12.5	-5.9	20.0
2-Chloronaphthalene	Ave	1.233	1.031	0.8000	10.5	12.5	-16.4	20.0
1-Chloronaphthalene	Ave	1.091	1.155		13.2	12.5	5.8	20.0
Diphenyl ether	Ave	0.8831	0.8420		11.9	12.5	-4.7	20.0
2-Nitroaniline	Ave	0.3842	0.3704	0.0100	12.1	12.5	-3.6	20.0
1,4-Naphthoquinone	Ave	0.4317	0.4394		12.7	12.5	1.8	20.0
1,4-Dinitrobenzene	Ave	0.1907	0.1999		13.1	12.5	4.8	20.0
Dimethyl phthalate	Ave	1.357	1.276	0.0100	11.8	12.5	-6.0	20.0
1,3-Dinitrobenzene	Ave	0.2245	0.2207		12.3	12.5	-1.7	20.0
2,6-Dinitrotoluene	Ave	0.2892	0.3001	0.2000	13.0	12.5	3.8	20.0
Acenaphthylene	Ave	1.885	1.780	0.9000	11.8	12.5	-5.5	20.0
3-Nitroaniline	Ave	0.3222	0.3212	0.0100	12.5	12.5	-0.3	20.0
Acenaphthene	Ave	1.274	1.175	0.9000	11.5	12.5	-7.8	20.0
2,4-Dinitrophenol	Ave	0.2009	0.1985	0.0100	24.7	25.0	-1.2	20.0
Pentachlorobenzene	Ave	0.5474	0.5222		11.9	12.5	-4.6	20.0
4-Nitrophenol	Ave	0.2160	0.1788	0.0100	20.7	25.0	-17.2	20.0
Dibenzofuran	Ave	1.743	1.630	0.8000	11.7	12.5	-6.5	20.0
2,4-Dinitrotoluene	Ave	0.3982	0.4094	0.2000	12.9	12.5	2.8	20.0
1-Naphthylamine	Ave	1.194	1.182		12.4	12.5	-1.1	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3326	0.3636	0.0100	13.7	12.5	9.3	20.0
2-Naphthylamine	Ave	1.260	1.230		12.2	12.5	-2.4	20.0
Diethyl phthalate	Ave	1.367	1.232	0.0100	11.3	12.5	-9.8	20.0
Fluorene	Ave	1.358	1.323	0.9000	12.2	12.5	-2.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-682464/2 Calibration Date: 08/07/2025 19:54

Instrument ID: HP19760 Calib Start Date: 06/25/2025 23:30

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 02:03

Lab File ID: DH0751.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
O,O-Diethyl O-2-pyrazinyl phosphorothioate	Ave	0.2563	0.2168		10.6	12.5	-15.4	20.0
4-Chlorophenyl-phenyl ether	Ave	0.6715	0.6345	0.4000	11.8	12.5	-5.5	20.0
5-Nitro-o-toluidine	Ave	0.3696	0.3535		12.0	12.5	-4.4	20.0
4-Nitroaniline	Ave	0.3171	0.3047	0.0100	12.0	12.5	-3.9	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1402	0.1588	0.0100	28.3	25.0	13.3	20.0
n-Nitrosodiphenylamine(as diphenylamine)	Ave	0.6407	0.6577	0.0100	10.9	10.6	2.6	20.0
1,2-Diphenylhydrazine	Ave	0.8015	0.8621		13.4	12.5	7.6	20.0
Sulfotepp	Ave	0.1426	0.1426		12.5	12.5	0.0	20.0
cis-Diallate	Ave	0.3520	0.3511		9.23	9.25	-0.3	20.0
1,3,5-Trinitrobenzene	Ave	0.0785	0.0867			12.5	10.5	20.0
Phorate	Qua2		0.7555		14.8	12.5	18.1	20.0
Phenacetin	Ave	0.3918	0.3832		12.2	12.5	-2.2	20.0
4-Bromophenyl-phenylether	Ave	0.2234	0.2299	0.1000	12.9	12.5	2.9	20.0
trans-Diallate	Ave	0.3611	0.3609		3.25	3.25	-0.0	20.0
Hexachlorobenzene	Ave	0.2503	0.2544	0.1000	12.7	12.5	1.6	20.0
Dimethoate	Ave	0.3078	0.3420		13.9	12.5	11.1	20.0
Atrazine	Ave	0.2018	0.2078	0.0100	12.9	12.5	3.0	20.0
Pentachlorophenol	Ave	0.1434	0.1700	0.0500	29.6	25.0	18.5	20.0
Pentachloronitrobenzene	Ave	0.1111	0.1070		12.1	12.5	-3.6	20.0
4-Aminobiphenyl	Ave	0.8530	0.8650		12.7	12.5	1.4	20.0
Pronamide	Ave	0.3330	0.3457		13.0	12.5	3.8	20.0
Dinoseb	Ave	0.2041	0.2334		14.3	12.5	14.4	20.0
Phenanthrene	Ave	1.104	1.079	0.7000	12.2	12.5	-2.3	20.0
Disulfoton	Ave	0.4852	0.5209		13.4	12.5	7.4	20.0
Anthracene	Ave	1.083	1.156	0.7000	13.4	12.5	6.8	20.0
Carbazole	Ave	1.014	1.029	0.0100	12.7	12.5	1.5	20.0
Methyl parathion	Ave	0.2450	0.2749		14.0	12.5	12.2	20.0
Di-n-butyl phthalate	Ave	1.083	1.106	0.0100	12.8	12.5	2.2	20.0
Parathion	Ave	0.1450	0.1532		13.2	12.5	5.7	20.0
4-Nitroquinoline-1-oxide	Lin2		0.0972		12.3	12.5	-1.3	20.0
Octachlorostyrene	Ave	0.0930	0.0991		13.3	12.5	6.6	20.0
Isodrin	Ave	0.1301	0.1292		12.4	12.5	-0.7	20.0
Fluoranthene	Ave	1.149	1.161	0.6000	12.6	12.5	1.1	20.0
Benzidine	Ave	0.7459	0.7418		37.3	37.5	-0.6	20.0
Pyrene	Ave	1.278	1.180	0.6000	11.5	12.5	-7.7	20.0
p-Dimethylamino azobenzene	Ave	0.1899	0.2049		13.5	12.5	7.9	20.0
Chlorobenzilate	Ave	0.3535	0.3347		11.8	12.5	-5.3	20.0
3,3'-Dimethylbenzidine	Ave	0.6393	0.6429		12.6	12.5	0.6	20.0
Butyl benzyl phthalate	Ave	0.4719	0.4568	0.0100	12.1	12.5	-3.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-682464/2 Calibration Date: 08/07/2025 19:54

Instrument ID: HP19760 Calib Start Date: 06/25/2025 23:30

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 02:03

Lab File ID: DH0751.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Acetylaminofluorene	Ave	0.4326	0.3985		11.5	12.5	-7.9	20.0
3,3'-Dichlorobenzidine	Ave	0.3853	0.3894	0.0100	12.6	12.5	1.1	20.0
Benzo[a]anthracene	Ave	1.003	0.9822	0.8000	12.2	12.5	-2.1	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2164	0.2132			12.5	-1.5	20.0
Chrysene	Ave	1.004	0.9885	0.7000	12.3	12.5	-1.5	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6444	0.6434	0.0100	12.5	12.5	-0.1	20.0
6-Methylchrysene	Ave	0.6749	0.6485		12.0	12.5	-3.9	20.0
Di-n-octyl phthalate	Ave	1.212	1.233	0.0100	12.7	12.5	1.7	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5341	0.5443		12.7	12.5	1.9	20.0
Benzo[b]fluoranthene	Ave	1.215	1.232	0.7000	12.7	12.5	1.4	20.0
Benzo[k]fluoranthene	Ave	1.263	1.250	0.7000	12.4	12.5	-1.0	20.0
Benzo[a]pyrene	Ave	1.098	1.130	0.7000	12.9	12.5	2.9	20.0
3-Methylcholanthrene	Ave	0.5336	0.5729		13.4	12.5	7.4	20.0
Dibenz[a,h]acridine	Ave	0.8098	0.8509		13.1	12.5	5.1	20.0
Dibenz[a,j]acridine	Ave	0.8813	0.9383		13.3	12.5	6.5	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9895	1.037	0.5000	13.1	12.5	4.8	20.0
Dibenz(a,h)anthracene	Ave	1.038	1.065	0.4000	12.8	12.5	2.6	20.0
Benzo[g,h,i]perylene	Ave	1.051	1.082	0.5000	12.9	12.5	2.9	20.0
2-Fluorophenol (Surr)	Ave	1.306	1.220		23.4	25.0	-6.6	20.0
Phenol-d5 (Surr)	Ave	1.794	1.906		26.6	25.0	6.2	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4216	0.4386		26.0	25.0	4.0	20.0
2-Fluorobiphenyl (Surr)	Ave	1.403	1.292		23.0	25.0	-7.9	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2018	0.2090		25.9	25.0	3.6	20.0
p-Terphenyl-d14 (Surr)	Ave	0.7688	0.7346		23.9	25.0	-4.4	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0751.D
Lims ID: CCVIS L6
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Aug-2025 19:54:10 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L6
Operator ID: EEA115318 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub58

Method: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 23:11:04 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.285	1.285	0.000	23	1043	12.5	0.0437	
3 N-Nitrosodimethylamine	74	1.530	1.530	0.000	93	515470	12.5	15.1	
4 Pyridine	79	1.553	1.553	0.000	95	1637530	25.0	27.1	
6 Dimethylformamide	73	1.821	1.821	0.000	97	530636	12.5	14.3	
7 2-Picoline	93	2.089	2.089	0.000	90	820085	12.5	12.0	
8 N-Nitrosomethylethylamine	88	2.177	2.177	0.000	92	414889	12.5	13.7	
9 Methyl methanesulfonate	80	2.427	2.427	0.000	83	424024	12.5	12.1	
$ 10 2-Fluorophenol	112	2.579	2.579	0.000	94	1316764	25.0	23.3	
11 N-Nitrosodiethylamine	102	2.777	2.777	0.000	97	366881	12.5	12.2	
12 Ethyl methanesulfonate	109	3.074	3.074	0.000	98	421064	12.5	12.8	
15 Benzaldehyde	77	3.401	3.401	0.000	95	602962	12.5	11.3	
$ 16 Phenol-d5	99	3.488	3.488	0.000	97	2057344	25.0	26.6	
17 Phenol	94	3.500	3.500	0.000	84	1059748	12.5	12.1	
18 Aniline	93	3.511	3.511	0.000	93	1290401	12.5	12.5	
19 Bis(2-chloroethyl)ether	93	3.581	3.581	0.000	93	860685	12.5	13.6	
20 2-Chlorophenol	128	3.628	3.628	0.000	95	746398	12.5	13.1	
21 1,3-Dichlorobenzene	146	3.774	3.774	0.000	97	812809	12.5	12.6	
* 22 1,4-Dichlorobenzene-d4	152	3.832	3.832	0.000	95	215883	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.850	3.850	0.000	93	856861	12.5	13.4	
25 Benzyl alcohol	108	3.978	3.978	0.000	92	516909	12.5	13.1	
26 1,2-Dichlorobenzene	146	3.995	3.995	0.000	97	802246	12.5	13.1	
28 2-Methylphenol	108	4.100	4.100	0.000	95	739675	12.5	13.6	
29 2,2'-oxybis[1-chloropropane]	45	4.112	4.112	0.000	95	1185638	12.5	20.8	
31 N-Nitrosopyrrolidine	100	4.217	4.217	0.000	93	427007	12.5	13.4	
34 Acetophenone	105	4.234	4.234	0.000	96	1133685	12.5	12.5	
33 N-Nitrosodi-n-propylamine	70	4.246	4.246	0.000	81	615740	12.5	13.9	
35 N-Nitrosomorpholine	56	4.258	4.258	0.000	91	549495	12.5	16.7	
32 4-Methylphenol	108	4.258	4.258	0.000	86	840624	12.5	13.4	
36 2-Toluidine	106	4.269	4.269	0.000	96	1293956	12.5	13.2	
38 Hexachloroethane	117	4.322	4.322	0.000	93	330314	12.5	12.3	
$ 39 Nitrobenzene-d5	82	4.380	4.380	0.000	88	1753951	25.0	26.0	
40 Nitrobenzene	77	4.397	4.397	0.000	87	903568	12.5	13.7	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	42 N-Nitrosopiperidine	114	4.543	4.543	0.000	85	385378	12.5	12.8	
	43 Isophorone	82	4.631	4.631	0.000	97	1590839	12.5	13.6	
	44 2-Nitrophenol	139	4.706	4.706	0.000	90	387119	12.5	13.5	
	45 2,4-Dimethylphenol	107	4.770	4.770	0.000	96	793901	12.5	12.7	
	46 o,o',o''-Triethylphosphorothioat	198	4.835	4.835	0.000	84	405292	12.5	14.1	
	47 Bis(2-chloroethoxy)methane	93	4.858	4.858	0.000	96	1004839	12.5	13.1	
	48 2,4-Dichlorophenol	162	4.945	4.945	0.000	95	616085	12.5	13.7	
	49 1,2,4-Trichlorobenzene	180	5.021	5.021	0.000	94	681210	12.5	13.3	
*	50 Naphthalene-d8	136	5.068	5.068	0.000	99	799840	5.00	5.00	
	51 Naphthalene	128	5.091	5.091	0.000	97	2112234	12.5	12.3	
	52 Alpha-Terpineol	59	5.114	5.114	0.000	94	760437	12.5	18.3	
	53 4-Chloroaniline	127	5.155	5.155	0.000	95	902558	12.5	13.3	
	54 2,6-Dichlorophenol	162	5.161	5.161	0.000	93	616887	12.5	13.9	
	55 Hexachloropropene	213	5.173	5.173	0.000	87	494581	12.5	13.5	
	56 Hexachlorobutadiene	225	5.219	5.219	0.000	95	397301	12.5	13.2	
	60 Quinoline	129	5.412	5.412	0.000	96	1422665	12.5	12.8	
	61 Caprolactam	113	5.482	5.482	0.000	76	205354	12.5	12.6	
	62 N-Nitrosodi-n-butylamine	84	5.493	5.493	0.000	92	751930	12.5	13.8	
	63 p-Phenylene diamine	108	5.505	5.505	0.000	96	733961	12.5	12.6	
	64 4-Chloro-3-methylphenol	107	5.645	5.645	0.000	93	686699	12.5	13.1	
	65 Safrole, Total	162	5.691	5.691	0.000	90	563794	12.5	13.5	
	66 2-Methylnaphthalene	142	5.755	5.755	0.000	92	1287954	12.5	13.3	
	67 1-Methylnaphthalene	142	5.849	5.849	0.000	94	1359783	12.5	13.5	
	68 Hexachlorocyclopentadiene	237	5.907	5.907	0.000	95	512544	12.5	13.3	
	69 1,2,4,5-Tetrachlorobenzene	216	5.919	5.919	0.000	96	723863	12.5	12.3	
	70 Isosafrole Peak 1	162	5.971	5.971	0.000	92	102691	2.00	2.02	
	71 2,4,6-Trichlorophenol	196	6.041	6.041	0.000	93	441584	12.5	12.8	
	72 2,4,5-Trichlorophenol	196	6.076	6.076	0.000	94	528448	12.5	14.0	
$	73 2-Fluorobiphenyl (Surr)	172	6.117	6.117	0.000	99	3045693	25.0	23.0	
	74 Isosafrole Peak 2	162	6.187	6.187	0.000	93	560538	10.5	10.2	
	75 1,1'-Biphenyl	154	6.210	6.210	0.000	96	1745917	12.5	11.8	
	76 2-Chloronaphthalene	162	6.222	6.222	0.000	98	1215595	12.5	10.5	
	77 1-Chloronaphthalene	162	6.239	6.239	0.000	98	1361123	12.5	13.2	
	78 Phenyl ether	170	6.315	6.315	0.000	85	992631	12.5	11.9	
	79 2-Nitroaniline	138	6.327	6.327	0.000	79	436654	12.5	12.1	
	81 1,4-Naphthoquinone	158	6.397	6.397	0.000	89	517943	12.5	12.7	
	84 1,4-Dinitrobenzene	168	6.472	6.472	0.000	89	235703	12.5	13.1	
	85 Dimethyl phthalate	163	6.519	6.519	0.000	99	1503961	12.5	11.7	
	86 1,3-Dinitrobenzene	168	6.537	6.537	0.000	86	260225	12.5	12.3	
	87 2,6-Dinitrotoluene	165	6.566	6.566	0.000	95	353808	12.5	13.0	
	88 Acenaphthylene	152	6.606	6.606	0.000	99	2098800	12.5	11.8	
	89 3-Nitroaniline	138	6.723	6.723	0.000	89	378693	12.5	12.5	
*	90 Acenaphthene-d10	164	6.741	6.741	0.000	92	471541	5.00	5.00	
	91 Acenaphthene	153	6.775	6.775	0.000	95	1385382	12.5	11.5	
	92 2,4-Dinitrophenol	184	6.822	6.822	0.000	87	468076	25.0	24.7	
	94 Pentachlorobenzene	250	6.898	6.898	0.000	98	615628	12.5	11.9	
	93 4-Nitrophenol	109	6.915	6.915	0.000	83	421524	25.0	20.7	
	96 Dibenzofuran	168	6.939	6.939	0.000	98	1921733	12.5	11.7	
	95 2,4-Dinitrotoluene	165	6.945	6.945	0.000	93	482616	12.5	12.9	
	97 1-Naphthylamine	143	7.020	7.020	0.000	99	1392883	12.5	12.4	
	98 2,3,4,6-Tetrachlorophenol	232	7.067	7.067	0.000	72	428685	12.5	13.7	
	99 2-Naphthylamine	143	7.096	7.096	0.000	96	1449723	12.5	12.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
100 Diethyl phthalate	149	7.189	7.189	0.000	98	1452847	12.5	11.3	
102 Fluorene	166	7.259	7.259	0.000	93	1559315	12.5	12.2	
101 Thionazin	107	7.265	7.265	0.000	78	255545	12.5	10.6	
103 4-Chlorophenyl phenyl ether	204	7.277	7.277	0.000	85	748012	12.5	11.8	
104 N-Nitro-o-toluidine	152	7.288	7.288	0.000	95	416774	12.5	12.0	
105 4-Nitroaniline	138	7.300	7.300	0.000	82	359223	12.5	12.0	
106 4,6-Dinitro-2-methylphenol	198	7.329	7.329	0.000	85	628308	25.0	28.3	
107 N-Nitrosodiphenylamine	169	7.393	7.393	0.000	63	1105868	10.6	10.9	
108 1,2-Diphenylhydrazine	77	7.422	7.422	0.000	41	1705298	12.5	13.4	
$ 109 2,4,6-Tribromophenol	330	7.492	7.492	0.000	93	492828	25.0	25.9	
110 Sulfotepp	97	7.562	7.562	0.000	77	282142	12.5	12.5	
113 cis-Diallate	86	7.667	7.667	0.000	0	513933	9.25	9.23	
112 1,3,5-Trinitrobenzene	213	7.673	7.673	0.000	81	171599	12.5	13.8	
114 Phorate	75	7.673	7.673	0.000	96	1494576	12.5	14.8	
115 Phenacetin	108	7.702	7.702	0.000	94	758054	12.5	12.2	
116 4-Bromophenyl phenyl ether	248	7.737	7.737	0.000	64	454686	12.5	12.9	
117 trans-Diallate	86	7.749	7.749	0.000	0	185616	3.25	3.25	
118 Hexachlorobenzene	284	7.778	7.778	0.000	95	503156	12.5	12.7	
119 Dimethoate	87	7.836	7.836	0.000	98	676516	12.5	13.9	
120 Atrazine	200	7.912	7.912	0.000	92	411115	12.5	12.9	
121 Pentachlorophenol	266	7.970	7.970	0.000	94	672524	25.0	29.6	
123 Pentachloronitrobenzene	237	7.976	7.976	0.000	86	211693	12.5	12.0	
122 4-Aminobiphenyl	169	7.982	7.982	0.000	89	1711170	12.5	12.7	
124 Pronamide	173	8.058	8.058	0.000	89	683849	12.5	13.0	
* 126 Phenanthrene-d10	188	8.139	8.139	0.000	97	791260	5.00	5.00	
125 Dinoseb	211	8.163	8.163	0.000	67	461641	12.5	14.3	
128 Phenanthrene	178	8.163	8.163	0.000	98	2134279	12.5	12.2	
127 Disulfoton	88	8.174	8.174	0.000	97	1030396	12.5	13.4	
129 Anthracene	178	8.215	8.215	0.000	97	2287629	12.5	13.3	
130 Carbazole	167	8.378	8.378	0.000	95	2035949	12.5	12.7	
131 Methyl parathion	109	8.524	8.524	0.000	92	543702	12.5	14.0	
133 Di-n-butyl phthalate	149	8.740	8.740	0.000	100	2188678	12.5	12.8	
134 Ethyl Parathion	109	8.897	8.897	0.000	85	303108	12.5	13.2	
135 4-Nitroquinoline-1-oxide	190	8.909	8.909	0.000	93	192281	12.5	12.3	
140 Octachlorostyrene	308	9.113	9.113	0.000	92	196085	12.5	13.3	
141 Isodrin	193	9.136	9.136	0.000	94	255606	12.5	12.4	
143 Fluoranthene	202	9.288	9.288	0.000	98	2296647	12.5	12.6	
147 Benzidine	184	9.439	9.439	0.000	99	4479538	37.5	37.3	
* 149 Pyrene-d10 (IS)	212	9.480	9.480	0.000	99	805207	5.00	5.00	
150 Pyrene	202	9.497	9.497	0.000	97	2374436	12.5	11.5	
S 136 Diallate	86				0		12.5	12.5	
$ 152 p-Terphenyl-d14	244	9.672	9.672	0.000	100	2957703	25.0	23.9	
154 p-Dimethylamino azobenzene	225	9.812	9.812	0.000	94	412387	12.5	13.5	
155 Chlorobenzilate	139	9.859	9.859	0.000	92	673828	12.5	11.8	
156 3,3'-Dimethylbenzidine	212	10.133	10.133	0.000	99	1294154	12.5	12.6	
157 Butyl benzyl phthalate	149	10.162	10.162	0.000	97	919578	12.5	12.1	
158 2-Acetylaminofluorene	181	10.372	10.372	0.000	94	802140	12.5	11.5	
159 3,3'-Dichlorobenzidine	252	10.669	10.669	0.000	74	783821	12.5	12.6	
161 Benzo[a]anthracene	228	10.669	10.669	0.000	99	1977135	12.5	12.2	
160 4,4'-Methylene bis(2-chloroani	231	10.681	10.681	0.000	96	429204	12.5	12.3	
162 Chrysene	228	10.710	10.710	0.000	97	1989791	12.5	12.3	
163 Bis(2-ethylhexyl) phthalate	149	10.780	10.780	0.000	98	1295211	12.5	12.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
164 6-Methylchrysene	242	11.211	11.211	0.000	99	1305455	12.5	12.0	
165 Di-n-octyl phthalate	149	11.537	11.537	0.000	99	1879696	12.5	12.7	
166 7,12-Dimethylbenz(a)anthracene	256	11.899	11.899	0.000	75	829848	12.5	12.7	
167 Benzo[b]fluoranthene	252	11.899	11.899	0.000	97	1877669	12.5	12.7	
168 Benzo[k]fluoranthene	252	11.934	11.934	0.000	99	1906315	12.5	12.4	
169 Benzo[a]pyrene	252	12.295	12.295	0.000	77	1722553	12.5	12.9	
* 170 Perylene-d12	264	12.371	12.371	0.000	98	609848	5.00	5.00	
171 3-Methylcholanthrene	268	12.773	12.773	0.000	91	873457	12.5	13.4	
172 Dibenz[a,h]acridine	279	13.496	13.496	0.000	90	1297339	12.5	13.1	
173 Dibenz[a,j]acridine	279	13.560	13.560	0.000	96	1430568	12.5	13.3	
174 Indeno[1,2,3-cd]pyrene	276	13.776	13.776	0.000	99	1581581	12.5	13.1	
175 Dibenz(a,h)anthracene	278	13.822	13.822	0.000	93	1622971	12.5	12.8	
176 Benzo[g,h,i]perylene	276	14.120	14.120	0.000	98	1648914	12.5	12.9	
S 178 Dinitrotoluene	165				0		25.0	25.8	
S 182 Isosafrole	162				0		12.5	12.2	

Reagents:

MSS_RV8270_6_00069 Amount Added: 1.00 Units: mL

Report Date: 07-Aug-2025 23:11:05 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0751.D

Injection Date: 07-Aug-2025 19:54:10 Instrument ID: HP19760 Operator ID: EEA115318

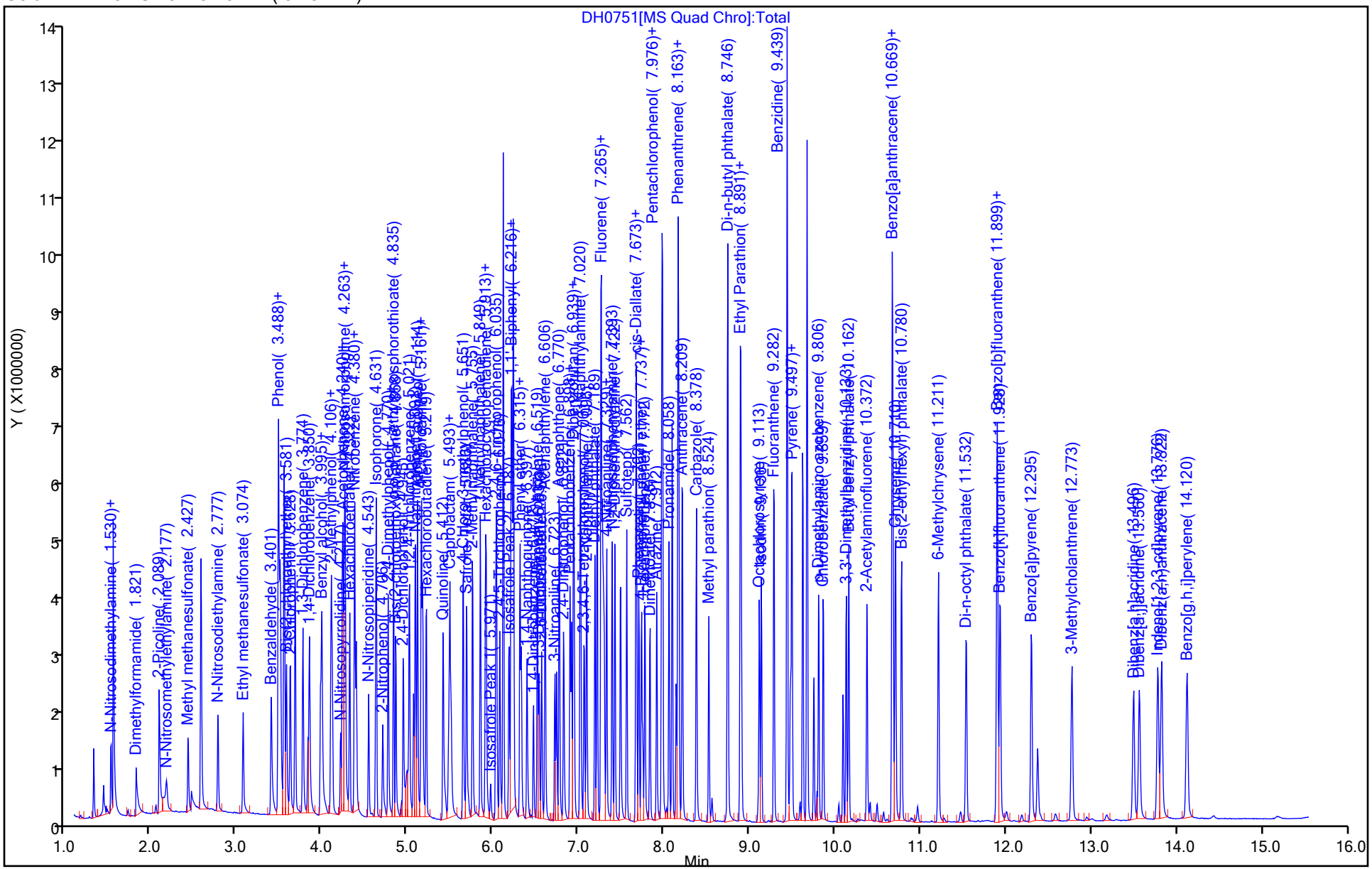
Lims ID: CCVIS L6 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCV 410-682464/5 Calibration Date: 08/07/2025 20:44

Instrument ID: HP19760 Calib Start Date: 06/27/2025 22:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/27/2025 23:46

Lab File ID: DH0752.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methapyrilene	Ave	0.2678	0.2616		12.2	12.5	-2.3	20.0
Famphur	Ave	0.3579	0.2817		9.84	12.5	-21.3*	20.0
Kepone	Ave	0.1050	0.0957		54.7	60.0	-8.9	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0752.D
Lims ID: CCV ABC
Client ID:
Sample Type: CCV
Inject. Date: 07-Aug-2025 20:44:40 ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCV ABC
Operator ID: EEA115318 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub23

Method: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 23:11:09 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 21:28:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	3.832	3.832	0.000	96	236823	5.00	5.00	
* 50 Naphthalene-d8	136	5.068	5.068	0.000	99	878541	5.00	5.00	
* 90 Acenaphthene-d10	164	6.741	6.741	0.000	93	558612	5.00	5.00	
* 126 Phenanthrene-d10	188	8.140	8.140	0.000	98	1041668	5.00	5.00	
132 Methapyrilene	97	8.996	8.996	0.000	97	681244	12.5	12.2	
* 149 Pyrene-d10 (IS)	212	9.480	9.480	0.000	99	1047685	5.00	5.00	
151 Famphur	218	10.092	10.092	0.000	83	737960	12.5	9.84	
153 Kepone	272	10.139	10.139	0.000	95	1203472	60.0	54.7	
* 170 Perylene-d12	264	12.371	12.371	0.000	98	744756	5.00	5.00	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVABC_6_00022 Amount Added: 1.00 Units: mL

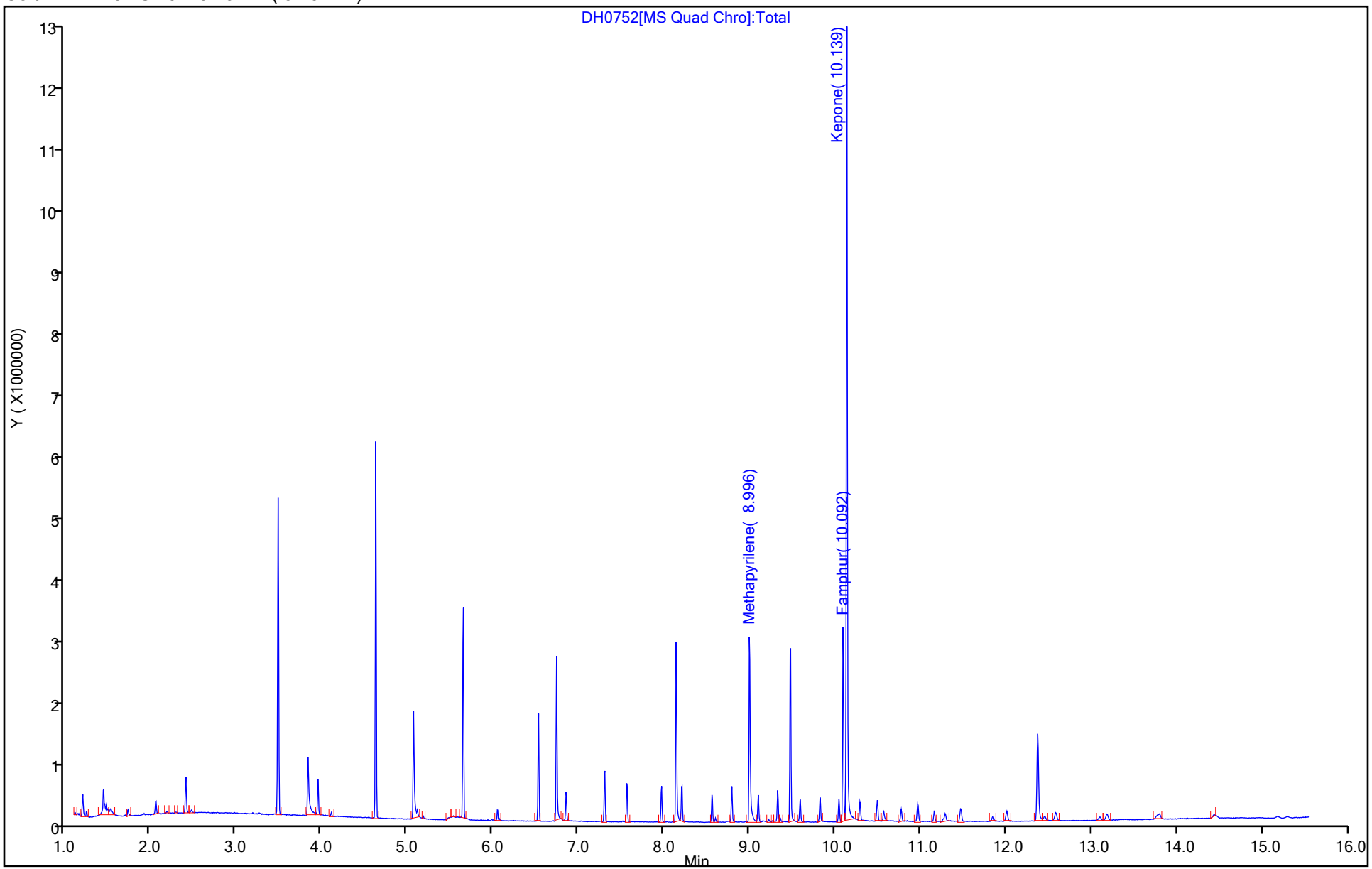
Report Date: 07-Aug-2025 23:11:10 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0752.D

Injection Date:	07-Aug-2025 20:44:40	Instrument ID:	HP19760	Operator ID:	EEA115318
Lims ID:	CCV ABC			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-683977/2 Calibration Date: 08/11/2025 19:50

Instrument ID: HP19760 Calib Start Date: 06/25/2025 23:30

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 02:03

Lab File ID: DH1151.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5526	0.5863		13.3	12.5	6.1	20.0
N-Nitrosodimethylamine	Ave	0.7904	0.9898		15.7	12.5	25.2*	20.0
Pyridine	Ave	1.397	1.571		28.1	25.0	12.4	20.0
N,N-dimethylformamide	Ave	0.8573	1.056		15.4	12.5	23.2*	20.0
2-Picoline	Ave	1.587	1.520		12.0	12.5	-4.2	20.0
N-Nitrosomethylethylamine	Ave	0.7005	0.7286		13.0	12.5	4.0	20.0
Methyl methanesulfonate	Ave	0.8114	0.7778		12.0	12.5	-4.1	20.0
N-Nitrosodiethylamine	Ave	0.6988	0.6750		12.1	12.5	-3.4	20.0
Ethyl methanesulfonate	Ave	0.7625	0.7602		12.5	12.5	-0.3	20.0
Benzaldehyde	Ave	1.231	1.078	0.0100	10.9	12.5	-12.4	20.0
Aniline	Ave	2.399	2.343		12.2	12.5	-2.3	20.0
Phenol	Ave	2.026	2.107	0.8000	13.0	12.5	4.0	20.0
Bis(2-chloroethyl)ether	Ave	1.467	1.485	0.7000	12.7	12.5	1.2	20.0
2-Chlorophenol	Ave	1.320	1.363	0.8000	12.9	12.5	3.3	20.0
1,3-Dichlorobenzene	Ave	1.499	1.509		12.6	12.5	0.7	20.0
1,4-Dichlorobenzene	Ave	1.483	1.588		13.4	12.5	7.1	20.0
Benzyl alcohol	Ave	0.9106	0.9305		12.8	12.5	2.2	20.0
1,2-Dichlorobenzene	Ave	1.422	1.479		13.0	12.5	4.0	20.0
bis (2-chloroisopropyl) ether	Ave	1.321	2.099	0.0100	19.9	12.5	59.0*	20.0
o-Cresol	Ave	1.258	1.285	0.7000	12.8	12.5	2.1	20.0
N-Nitrosopyrrolidine	Ave	0.7406	0.7849		13.3	12.5	6.0	20.0
Acetophenone	Ave	2.102	2.059	0.0100	12.2	12.5	-2.1	20.0
N-Nitrosodi-n-propylamine	Ave	1.024	1.119	0.5000	13.7	12.5	9.3	20.0
N-Nitrosomorpholine	Ave	0.7630	0.9903		16.2	12.5	29.8*	20.0
2-Toluidine	Ave	2.272	2.335		12.9	12.5	2.8	20.0
m & p-Cresol	Ave	1.452	1.537	0.6000	13.2	12.5	5.8	20.0
Hexachloroethane	Ave	0.6238	0.6096	0.3000	12.2	12.5	-2.3	20.0
Nitrobenzene	Ave	0.4134	0.4527	0.2000	13.7	12.5	9.5	20.0
N-Nitrosopiperidine	Ave	0.1879	0.1979		13.2	12.5	5.3	20.0
Isophorone	Ave	0.7311	0.7921	0.4000	13.5	12.5	8.3	20.0
2-Nitrophenol	Ave	0.1797	0.1949	0.1000	13.6	12.5	8.4	20.0
2,4-Dimethylphenol	Ave	0.3897	0.3960	0.2000	12.7	12.5	1.6	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1791	0.2006		14.0	12.5	12.0	20.0
Bis(2-chloroethoxy)methane	Ave	0.4808	0.5029	0.3000	13.1	12.5	4.6	20.0
2,4-Dichlorophenol	Ave	0.2811	0.3096	0.2000	13.8	12.5	10.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3194	0.3444		13.5	12.5	7.8	20.0
Naphthalene	Ave	1.074	1.085	0.7000	12.6	12.5	1.0	20.0
a-Terpineol	Ave	0.2593	0.3791		18.3	12.5	46.2*	20.0
2,6-Dichlorophenol	Ave	0.2782	0.3105		14.0	12.5	11.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-683977/2 Calibration Date: 08/11/2025 19:50

Instrument ID: HP19760 Calib Start Date: 06/25/2025 23:30

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 02:03

Lab File ID: DH1151.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Chloroaniline	Ave	0.4237	0.4637	0.0100	13.7	12.5	9.4	20.0
Hexachloropropene	Ave	0.2295	0.2431		13.2	12.5	5.9	20.0
Hexachlorobutadiene	Ave	0.1883	0.1989	0.0100	13.2	12.5	5.6	20.0
Quinoline	Ave	0.6933	0.7169		12.9	12.5	3.4	20.0
Caprolactam	Ave	0.1016	0.1027	0.0100	12.6	12.5	1.0	20.0
N-Nitrosodi-n-butylamine	Ave	0.3409	0.3829		14.0	12.5	12.3	20.0
1,4-phenylenediamine	Ave	0.3645	0.3511			12.5	-3.7	20.0
4-Chloro-3-methylphenol	Ave	0.3269	0.3462	0.2000	13.2	12.5	5.9	20.0
Safrole, Total	Ave	0.2611	0.2864		13.7	12.5	9.7	20.0
2-Methylnaphthalene	Ave	0.6044	0.6543	0.4000	13.5	12.5	8.3	20.0
1-Methylnaphthalene	Ave	0.6301	0.6893		13.7	12.5	9.4	20.0
Hexachlorocyclopentadiene	Ave	0.4089	0.4174	0.0500	12.8	12.5	2.1	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6252	0.6201	0.0100	12.4	12.5	-0.8	20.0
Isosafrole Peak 1	Ave	0.5382	0.5390		2.00	2.00	0.1	20.0
2,4,6-Trichlorophenol	Ave	0.3651	0.3634	0.2000	12.4	12.5	-0.5	20.0
2,4,5-Trichlorophenol	Ave	0.4005	0.4149	0.2000	13.0	12.5	3.6	20.0
Isosafrole Peak 2	Ave	0.5818	0.5579		10.1	10.5	-4.1	20.0
1,1'-Biphenyl	Ave	1.573	1.470	0.0100	11.7	12.5	-6.5	20.0
2-Chloronaphthalene	Ave	1.233	1.163	0.8000	11.8	12.5	-5.7	20.0
1-Chloronaphthalene	Ave	1.091	1.021		11.7	12.5	-6.5	20.0
Diphenyl ether	Ave	0.8831	0.8375		11.9	12.5	-5.2	20.0
2-Nitroaniline	Ave	0.3842	0.3776	0.0100	12.3	12.5	-1.7	20.0
1,4-Naphthoquinone	Ave	0.4317	0.4464		12.9	12.5	3.4	20.0
1,4-Dinitrobenzene	Ave	0.1907	0.1961		12.9	12.5	2.8	20.0
Dimethyl phthalate	Ave	1.357	1.265	0.0100	11.7	12.5	-6.8	20.0
1,3-Dinitrobenzene	Ave	0.2245	0.2252		12.5	12.5	0.3	20.0
2,6-Dinitrotoluene	Ave	0.2892	0.3021	0.2000	13.1	12.5	4.5	20.0
Acenaphthylene	Ave	1.885	1.790	0.9000	11.9	12.5	-5.0	20.0
3-Nitroaniline	Ave	0.3222	0.3241	0.0100	12.6	12.5	0.6	20.0
Acenaphthene	Ave	1.274	1.187	0.9000	11.6	12.5	-6.9	20.0
2,4-Dinitrophenol	Ave	0.2009	0.1892	0.0100	23.6	25.0	-5.8	20.0
Pentachlorobenzene	Ave	0.5474	0.5177		11.8	12.5	-5.4	20.0
Dibenzofuran	Ave	1.743	1.638	0.8000	11.8	12.5	-6.0	20.0
2,4-Dinitrotoluene	Ave	0.3982	0.4087	0.2000	12.8	12.5	2.7	20.0
4-Nitrophenol	Ave	0.2160	0.1613	0.0100	18.7	25.0	-25.3*	20.0
1-Naphthylamine	Ave	1.194	1.198		12.5	12.5	0.3	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3326	0.3280	0.0100	12.3	12.5	-1.4	20.0
2-Naphthylamine	Ave	1.260	1.246		12.4	12.5	-1.1	20.0
Diethyl phthalate	Ave	1.367	1.238	0.0100	11.3	12.5	-9.4	20.0
Fluorene	Ave	1.358	1.330	0.9000	12.3	12.5	-2.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-683977/2 Calibration Date: 08/11/2025 19:50

Instrument ID: HP19760 Calib Start Date: 06/25/2025 23:30

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 02:03

Lab File ID: DH1151.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
O,O-Diethyl O-2-pyrazinyl phosphorothioate	Ave	0.2563	0.2184		10.7	12.5	-14.8	20.0
4-Chlorophenyl-phenyl ether	Ave	0.6715	0.6357	0.4000	11.8	12.5	-5.3	20.0
5-Nitro-o-toluidine	Ave	0.3696	0.3634		12.3	12.5	-1.7	20.0
4-Nitroaniline	Ave	0.3171	0.3139	0.0100	12.4	12.5	-1.0	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1402	0.1528	0.0100	27.3	25.0	9.0	20.0
n-Nitrosodiphenylamine(as diphenylamine)	Ave	0.6407	0.6428	0.0100	10.7	10.6	0.3	20.0
1,2-Diphenylhydrazine	Ave	0.8015	0.8256		12.9	12.5	3.0	20.0
Sulfotepp	Ave	0.1426	0.1317		11.5	12.5	-7.7	20.0
cis-Diallate	Ave	0.3520	0.3305		8.69	9.25	-6.1	20.0
1,3,5-Trinitrobenzene	Ave	0.0785	0.0836			12.5	6.5	20.0
Phorate	Qua2		0.7271		14.3	12.5	14.5	20.0
Phenacetin	Ave	0.3918	0.3745		12.0	12.5	-4.4	20.0
4-Bromophenyl-phenylether	Ave	0.2234	0.2125	0.1000	11.9	12.5	-4.9	20.0
trans-Diallate	Ave	0.3611	0.3601		3.24	3.25	-0.3	20.0
Hexachlorobenzene	Ave	0.2503	0.2449	0.1000	12.2	12.5	-2.2	20.0
Dimethoate	Ave	0.3078	0.3438		14.0	12.5	11.7	20.0
Atrazine	Ave	0.2018	0.2075	0.0100	12.9	12.5	2.9	20.0
Pentachloronitrobenzene	Ave	0.1111	0.1037		11.7	12.5	-6.6	20.0
Pentachlorophenol	Ave	0.1434	0.1411	0.0500	24.6	25.0	-1.7	20.0
4-Aminobiphenyl	Ave	0.8530	0.8334		12.2	12.5	-2.3	20.0
Pronamide	Ave	0.3330	0.3309		12.4	12.5	-0.6	20.0
Dinoseb	Ave	0.2041	0.2196		13.5	12.5	7.6	20.0
Phenanthrene	Ave	1.104	1.073	0.7000	12.1	12.5	-2.9	20.0
Disulfoton	Ave	0.4852	0.5055		13.0	12.5	4.2	20.0
Anthracene	Ave	1.083	1.124	0.7000	13.0	12.5	3.8	20.0
Carbazole	Ave	1.014	1.021	0.0100	12.6	12.5	0.7	20.0
Methyl parathion	Ave	0.2450	0.2673		13.6	12.5	9.1	20.0
Di-n-butyl phthalate	Ave	1.083	1.062	0.0100	12.3	12.5	-1.9	20.0
Parathion	Ave	0.1450	0.1543		13.3	12.5	6.4	20.0
4-Nitroquinoline-1-oxide	Lin2		0.0911		11.7	12.5	-6.7	20.0
Octachlorostyrene	Ave	0.0930	0.0953		12.8	12.5	2.4	20.0
Isodrin	Ave	0.1301	0.1212		11.7	12.5	-6.8	20.0
Fluoranthene	Ave	1.149	1.162	0.6000	12.6	12.5	1.1	20.0
Benzidine	Ave	0.7459	0.7218		36.3	37.5	-3.2	20.0
Pyrene	Ave	1.278	1.175	0.6000	11.5	12.5	-8.0	20.0
p-Dimethylamino azobenzene	Ave	0.1899	0.2045		13.5	12.5	7.7	20.0
Chlorobenzilate	Ave	0.3535	0.3269		11.6	12.5	-7.5	20.0
3,3'-Dimethylbenzidine	Ave	0.6393	0.6391		12.5	12.5	-0.0	20.0
Butyl benzyl phthalate	Ave	0.4719	0.4638	0.0100	12.3	12.5	-1.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-683977/2 Calibration Date: 08/11/2025 19:50

Instrument ID: HP19760 Calib Start Date: 06/25/2025 23:30

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 02:03

Lab File ID: DH1151.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Acetylaminofluorene	Ave	0.4326	0.3980		11.5	12.5	-8.0	20.0
3,3'-Dichlorobenzidine	Ave	0.3853	0.3830	0.0100	12.4	12.5	-0.6	20.0
Benzo[a]anthracene	Ave	1.003	0.9803	0.8000	12.2	12.5	-2.3	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2164	0.2125			12.5	-1.8	20.0
Chrysene	Ave	1.004	1.017	0.7000	12.7	12.5	1.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6444	0.6294	0.0100	12.2	12.5	-2.3	20.0
6-Methylchrysene	Ave	0.6749	0.6546		12.1	12.5	-3.0	20.0
Di-n-octyl phthalate	Ave	1.212	1.238	0.0100	12.8	12.5	2.2	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5341	0.5508		12.9	12.5	3.1	20.0
Benzo[b]fluoranthene	Ave	1.215	1.220	0.7000	12.6	12.5	0.5	20.0
Benzo[k]fluoranthene	Ave	1.263	1.297	0.7000	12.8	12.5	2.7	20.0
Benzo[a]pyrene	Ave	1.098	1.143	0.7000	13.0	12.5	4.1	20.0
3-Methylcholanthrene	Ave	0.5336	0.5687		13.3	12.5	6.6	20.0
Dibenz[a,h]acridine	Ave	0.8098	0.8533		13.2	12.5	5.4	20.0
Dibenz[a,j]acridine	Ave	0.8813	0.9619		13.6	12.5	9.1	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9895	1.057	0.5000	13.4	12.5	6.8	20.0
Dibenz(a,h)anthracene	Ave	1.038	1.073	0.4000	12.9	12.5	3.4	20.0
Benzo[g,h,i]perylene	Ave	1.051	1.090	0.5000	13.0	12.5	3.7	20.0
2-Fluorophenol (Surr)	Ave	1.306	1.227		23.5	25.0	-6.0	20.0
Phenol-d5 (Surr)	Ave	1.794	1.866		26.0	25.0	4.0	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4216	0.4414		26.2	25.0	4.7	20.0
2-Fluorobiphenyl (Surr)	Ave	1.403	1.307		23.3	25.0	-6.8	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2018	0.2016		25.0	25.0	-0.1	20.0
p-Terphenyl-d14 (Surr)	Ave	0.7688	0.7315		23.8	25.0	-4.8	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1151.D
Lims ID: CCVIS L6
Client ID:
Sample Type: CCVIS
Inject. Date: 11-Aug-2025 19:50:29 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L6
Operator ID: EEA115318 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub58

Method: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 11-Aug-2025 21:24:07 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: RN6U Date: 11-Aug-2025 21:17:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.332	1.332	0.000	97	305024	12.5	13.3	
3 N-Nitrosodimethylamine	74	1.536	1.536	0.000	92	514931	12.5	15.7	
4 Pyridine	79	1.559	1.559	0.000	95	1634746	25.0	28.1	
6 Dimethylformamide	73	1.827	1.827	0.000	93	549560	12.5	15.4	
7 2-Picoline	93	2.095	2.095	0.000	90	790731	12.5	12.0	
8 N-Nitrosomethylethylamine	88	2.183	2.183	0.000	94	379052	12.5	13.0	
9 Methyl methanesulfonate	80	2.439	2.439	0.000	83	404628	12.5	12.0	
$ 10 2-Fluorophenol	112	2.602	2.602	0.000	94	1277137	25.0	23.5	
11 N-Nitrosodiethylamine	102	2.783	2.783	0.000	96	351162	12.5	12.1	
12 Ethyl methanesulfonate	109	3.080	3.080	0.000	98	395488	12.5	12.5	
15 Benzaldehyde	77	3.407	3.407	0.000	96	560711	12.5	10.9	
$ 16 Phenol-d5	99	3.512	3.512	0.000	95	1941527	25.0	26.0	
18 Aniline	93	3.517	3.517	0.000	88	1218987	12.5	12.2	
17 Phenol	94	3.529	3.529	0.000	91	1096151	12.5	13.0	
19 Bis(2-chloroethyl)ether	93	3.587	3.587	0.000	94	772490	12.5	12.7	
20 2-Chlorophenol	128	3.640	3.640	0.000	95	709078	12.5	12.9	
21 1,3-Dichlorobenzene	146	3.780	3.780	0.000	97	784889	12.5	12.6	
* 22 1,4-Dichlorobenzene-d4	152	3.838	3.838	0.000	96	208098	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.855	3.855	0.000	93	826149	12.5	13.4	
25 Benzyl alcohol	108	3.989	3.989	0.000	92	484081	12.5	12.8	
26 1,2-Dichlorobenzene	146	4.001	4.001	0.000	97	769541	12.5	13.0	
29 2,2'-oxybis[1-chloropropane]	45	4.118	4.118	0.000	95	1092009	12.5	19.9	
28 2-Methylphenol	108	4.124	4.124	0.000	95	668553	12.5	12.8	
31 N-Nitrosopyrrolidine	100	4.217	4.217	0.000	94	408345	12.5	13.2	
34 Acetophenone	105	4.240	4.240	0.000	96	1071072	12.5	12.2	
33 N-Nitrosodi-n-propylamine	70	4.246	4.246	0.000	79	582335	12.5	13.7	
35 N-Nitrosomorpholine	56	4.263	4.263	0.000	91	515180	12.5	16.2	
36 2-Toluidine	106	4.275	4.275	0.000	96	1215026	12.5	12.8	
32 4-Methylphenol	108	4.281	4.281	0.000	88	799678	12.5	13.2	
38 Hexachloroethane	117	4.322	4.322	0.000	94	317166	12.5	12.2	
$ 39 Nitrobenzene-d5	82	4.386	4.386	0.000	91	1642598	25.0	26.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Nitrobenzene	77	4.403	4.403	0.000	87	842345	12.5	13.7	
42 N-Nitrosopiperidine	114	4.549	4.549	0.000	86	368315	12.5	13.2	
43 Isophorone	82	4.636	4.636	0.000	97	1473942	12.5	13.5	
44 2-Nitrophenol	139	4.712	4.712	0.000	90	362720	12.5	13.6	
45 2,4-Dimethylphenol	107	4.782	4.782	0.000	96	736922	12.5	12.7	
46 o,o',o''-Triethylphosphorothioat	198	4.840	4.840	0.000	84	373363	12.5	14.0	
47 Bis(2-chloroethoxy)methane	93	4.864	4.864	0.000	97	935838	12.5	13.1	
48 2,4-Dichlorophenol	162	4.963	4.963	0.000	94	576170	12.5	13.8	
49 1,2,4-Trichlorobenzene	180	5.021	5.021	0.000	94	640782	12.5	13.5	
* 50 Naphthalene-d8	136	5.074	5.074	0.000	99	744335	5.00	5.00	
51 Naphthalene	128	5.091	5.091	0.000	97	2019695	12.5	12.6	
52 Alpha-Terpineol	59	5.120	5.120	0.000	94	705422	12.5	18.3	
53 4-Chloroaniline	127	5.167	5.167	0.000	94	862889	12.5	13.7	
54 2,6-Dichlorophenol	162	5.167	5.167	0.000	95	577811	12.5	14.0	
55 Hexachloropropene	213	5.179	5.179	0.000	87	452441	12.5	13.2	
56 Hexachlorobutadiene	225	5.219	5.219	0.000	96	370106	12.5	13.2	
60 Quinoline	129	5.417	5.417	0.000	96	1334106	12.5	12.9	
61 Caprolactam	113	5.482	5.482	0.000	74	191114	12.5	12.6	
62 N-Nitrosodi-n-butylamine	84	5.493	5.493	0.000	92	712550	12.5	14.0	
63 p-Phenylene diamine	108	5.511	5.511	0.000	97	653319	12.5	12.0	
64 4-Chloro-3-methylphenol	107	5.668	5.668	0.000	95	644141	12.5	13.2	
65 Safrole, Total	162	5.691	5.691	0.000	91	532910	12.5	13.7	
66 2-Methylnaphthalene	142	5.761	5.761	0.000	92	1217582	12.5	13.5	
67 1-Methylnaphthalene	142	5.855	5.855	0.000	93	1282674	12.5	13.7	
68 Hexachlorocyclopentadiene	237	5.913	5.913	0.000	93	459958	12.5	12.8	
69 1,2,4,5-Tetrachlorobenzene	216	5.925	5.925	0.000	95	683283	12.5	12.4	
70 Isosafrole Peak 1	162	5.971	5.971	0.000	91	95022	2.00	2.00	
71 2,4,6-Trichlorophenol	196	6.047	6.047	0.000	92	400406	12.5	12.4	
72 2,4,5-Trichlorophenol	196	6.099	6.099	0.000	94	457134	12.5	12.9	
$ 73 2-Fluorobiphenyl (Surr)	172	6.123	6.123	0.000	100	2881162	25.0	23.3	
74 Isosafrole Peak 2	162	6.187	6.187	0.000	93	516351	10.5	10.1	
75 1,1'-Biphenyl	154	6.210	6.210	0.000	96	1620193	12.5	11.7	
76 2-Chloronaphthalene	162	6.222	6.222	0.000	67	1281266	12.5	11.8	M
77 1-Chloronaphthalene	162	6.239	6.239	0.000	98	1124689	12.5	11.7	Ma
78 Phenyl ether	170	6.315	6.315	0.000	85	922755	12.5	11.9	
79 2-Nitroaniline	138	6.338	6.338	0.000	81	416094	12.5	12.3	
81 1,4-Naphthoquinone	158	6.403	6.403	0.000	90	491873	12.5	12.9	
84 1,4-Dinitrobenzene	168	6.478	6.478	0.000	89	216091	12.5	12.9	
85 Dimethyl phthalate	163	6.519	6.519	0.000	99	1393367	12.5	11.6	
86 1,3-Dinitrobenzene	168	6.542	6.542	0.000	86	248180	12.5	12.5	
87 2,6-Dinitrotoluene	165	6.572	6.572	0.000	93	332877	12.5	13.1	
88 Acenaphthylene	152	6.612	6.612	0.000	99	1972504	12.5	11.9	
89 3-Nitroaniline	138	6.729	6.729	0.000	89	357155	12.5	12.6	
* 90 Acenaphthene-d10	164	6.746	6.746	0.000	93	440743	5.00	5.00	
91 Acenaphthene	153	6.776	6.776	0.000	95	1307710	12.5	11.6	
92 2,4-Dinitrophenol	184	6.834	6.834	0.000	86	417041	25.0	23.5	
94 Pentachlorobenzene	250	6.904	6.904	0.000	98	570417	12.5	11.8	
96 Dibenzofuran	168	6.945	6.945	0.000	97	1805276	12.5	11.8	
93 4-Nitrophenol	109	6.950	6.950	0.000	68	355533	25.0	18.7	
95 2,4-Dinitrotoluene	165	6.950	6.950	0.000	85	450340	12.5	12.8	
97 1-Naphthylamine	143	7.020	7.020	0.000	99	1319732	12.5	12.5	
98 2,3,4,6-Tetrachlorophenol	232	7.073	7.073	0.000	71	361457	12.5	12.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 2-Naphthylamine	143	7.096	7.096	0.000	96	1372763	12.5	12.4	
100 Diethyl phthalate	149	7.195	7.195	0.000	98	1363618	12.5	11.3	
102 Fluorene	166	7.265	7.265	0.000	93	1465658	12.5	12.2	
101 Thionazin	107	7.265	7.265	0.000	54	240688	12.5	10.7	
103 4-Chlorophenyl phenyl ether	204	7.283	7.283	0.000	91	700500	12.5	11.8	
104 N-Nitro-o-toluidine	152	7.294	7.294	0.000	93	400453	12.5	12.3	
105 4-Nitroaniline	138	7.306	7.306	0.000	82	345844	12.5	12.4	
106 4,6-Dinitro-2-methylphenol	198	7.335	7.335	0.000	86	586772	25.0	27.2	
107 N-Nitrosodiphenylamine	169	7.393	7.393	0.000	68	1049195	10.6	10.7	
108 1,2-Diphenylhydrazine	77	7.428	7.428	0.000	41	1585244	12.5	12.9	
$ 109 2,4,6-Tribromophenol	330	7.498	7.498	0.000	94	444174	25.0	25.0	
110 Sulfotepp	97	7.562	7.562	0.000	76	252835	12.5	11.5	
113 cis-Diallate	86	7.673	7.673	0.000	0	469658	9.25	8.69	
112 1,3,5-Trinitrobenzene	213	7.679	7.679	0.000	82	160531	12.5	13.3	
114 Phorate	75	7.679	7.679	0.000	96	1396227	12.5	14.3	
115 Phenacetin	108	7.708	7.708	0.000	94	719068	12.5	11.9	
116 4-Bromophenyl phenyl ether	248	7.737	7.737	0.000	64	408129	12.5	11.9	
117 trans-Diallate	86	7.755	7.755	0.000	0	179769	3.25	3.24	
118 Hexachlorobenzene	284	7.778	7.778	0.000	95	470214	12.5	12.2	
119 Dimethoate	87	7.836	7.836	0.000	98	660248	12.5	14.0	
120 Atrazine	200	7.918	7.918	0.000	93	398521	12.5	12.9	
121 Pentachlorophenol	266	7.982	7.982	0.000	90	541691	25.0	24.6	
123 Pentachloronitrobenzene	237	7.982	7.982	0.000	61	199126	12.5	11.7	
122 4-Aminobiphenyl	169	7.988	7.988	0.000	90	1600334	12.5	12.2	
124 Pronamide	173	8.064	8.064	0.000	89	635421	12.5	12.4	
* 126 Phenanthrene-d10	188	8.145	8.145	0.000	97	768068	5.00	5.00	
125 Dinoseb	211	8.169	8.169	0.000	94	421669	12.5	13.5	
128 Phenanthrene	178	8.169	8.169	0.000	97	2059676	12.5	12.1	
127 Disulfoton	88	8.174	8.174	0.000	96	970579	12.5	13.0	
129 Anthracene	178	8.215	8.215	0.000	98	2158101	12.5	13.0	
130 Carbazole	167	8.384	8.384	0.000	96	1960451	12.5	12.6	
131 Methyl parathion	109	8.524	8.524	0.000	92	513317	12.5	13.6	
133 Di-n-butyl phthalate	149	8.746	8.746	0.000	100	2038660	12.5	12.3	
134 Ethyl Parathion	109	8.903	8.903	0.000	85	296302	12.5	13.3	
135 4-Nitroquinoline-1-oxide	190	8.915	8.915	0.000	93	174966	12.5	11.7	
140 Octachlorostyrene	308	9.119	9.119	0.000	92	182898	12.5	12.8	
141 Isodrin	193	9.142	9.142	0.000	93	232690	12.5	11.6	
143 Fluoranthene	202	9.288	9.288	0.000	98	2231232	12.5	12.6	
147 Benzidine	184	9.445	9.445	0.000	99	4251795	37.5	36.3	
* 149 Pyrene-d10 (IS)	212	9.480	9.480	0.000	99	785434	5.00	5.00	
150 Pyrene	202	9.498	9.498	0.000	97	2308191	12.5	11.5	
S 136 Diallate	86				0		12.5	11.9	
$ 152 p-Terphenyl-d14	244	9.678	9.678	0.000	100	2872811	25.0	23.8	
154 p-Dimethylamino azobenzene	225	9.812	9.812	0.000	94	401489	12.5	13.5	
155 Chlorobenzilate	139	9.865	9.865	0.000	92	641978	12.5	11.6	
156 3,3'-Dimethylbenzidine	212	10.139	10.139	0.000	99	1254837	12.5	12.5	
157 Butyl benzyl phthalate	149	10.168	10.168	0.000	97	910666	12.5	12.3	
158 2-Acetylaminofluorene	181	10.383	10.383	0.000	94	781600	12.5	11.5	
159 3,3'-Dichlorobenzidine	252	10.675	10.675	0.000	74	752040	12.5	12.4	
161 Benzo[a]anthracene	228	10.675	10.675	0.000	99	1924860	12.5	12.2	
160 4,4'-Methylene bis(2-chloroani	231	10.687	10.687	0.000	96	417232	12.5	12.3	
162 Chrysene	228	10.716	10.716	0.000	97	1996053	12.5	12.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
163 Bis(2-ethylhexyl) phthalate	149	10.786	10.786	0.000	98	1235784	12.5	12.2	
164 6-Methylchrysene	242	11.217	11.217	0.000	99	1285392	12.5	12.1	
165 Di-n-octyl phthalate	149	11.538	11.538	0.000	99	1840094	12.5	12.8	
167 Benzo[b]fluoranthene	252	11.905	11.905	0.000	97	1813837	12.5	12.6	
166 7,12-Dimethylbenz(a)anthracene	256	11.905	11.905	0.000	87	818499	12.5	12.9	
168 Benzo[k]fluoranthene	252	11.940	11.940	0.000	99	1927089	12.5	12.8	
169 Benzo[a]pyrene	252	12.307	12.307	0.000	77	1698915	12.5	13.0	
* 170 Perylene-d12	264	12.377	12.377	0.000	98	594460	5.00	5.00	
171 3-Methylcholanthrene	268	12.779	12.779	0.000	91	845177	12.5	13.3	
172 Dibenz[a,h]acridine	279	13.502	13.502	0.000	90	1268059	12.5	13.2	
173 Dibenz[a,j]acridine	279	13.572	13.572	0.000	96	1429486	12.5	13.6	
174 Indeno[1,2,3-cd]pyrene	276	13.787	13.787	0.000	99	1570723	12.5	13.4	
175 Dibenz(a,h)anthracene	278	13.834	13.834	0.000	93	1594169	12.5	12.9	
176 Benzo[g,h,i]perylene	276	14.131	14.131	0.000	98	1619651	12.5	13.0	
S 178 Dinitrotoluene	165				0		25.0	25.9	
S 182 Isosafrole	162				0		12.5	12.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_6_00069 Amount Added: 1.00 Units: mL

Report Date: 11-Aug-2025 21:24:11 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1151.D

Injection Date: 11-Aug-2025 19:50:29 Instrument ID: HP19760 Operator ID: EEA115318

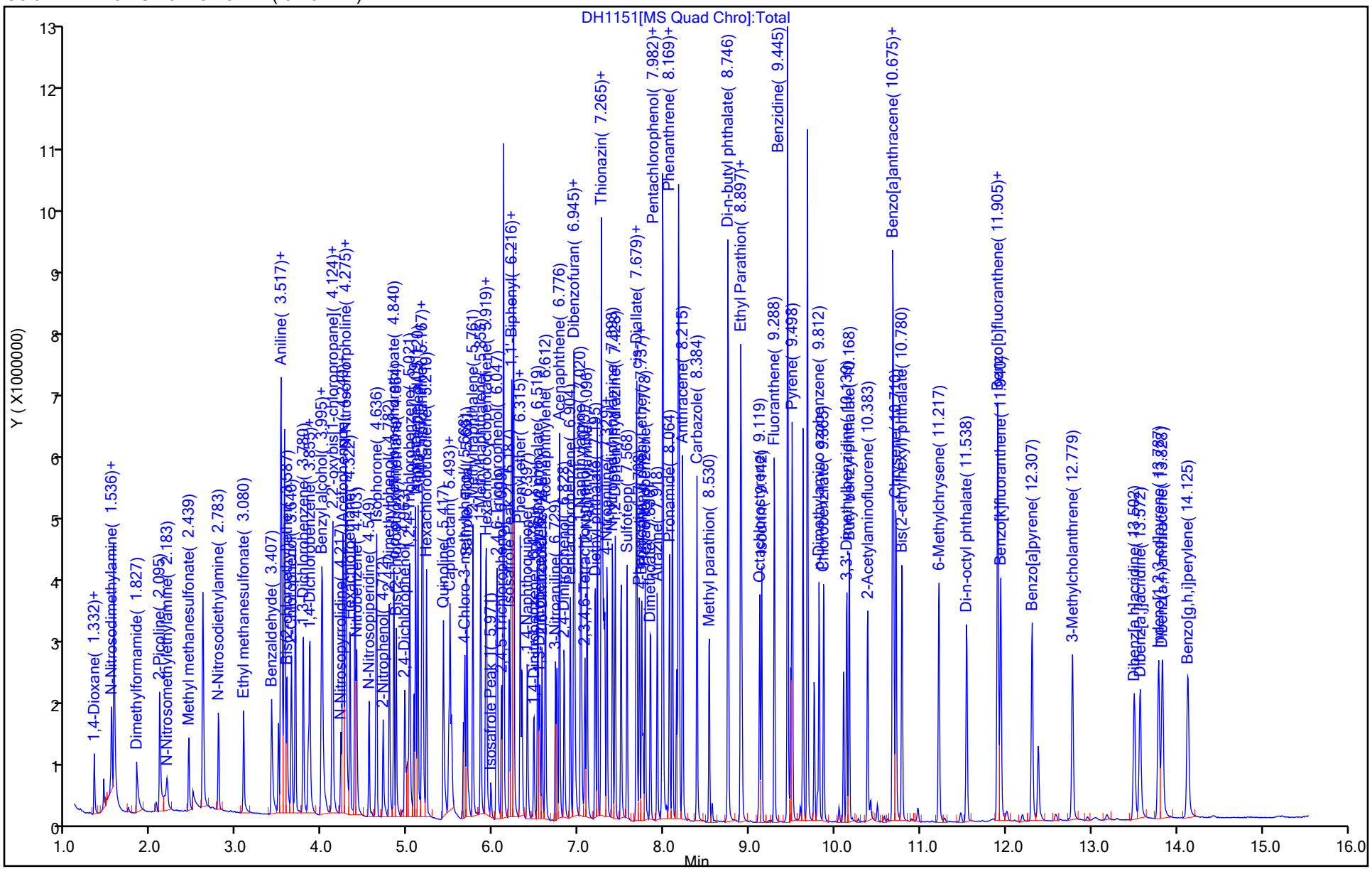
Lims ID: CCVIS L6 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

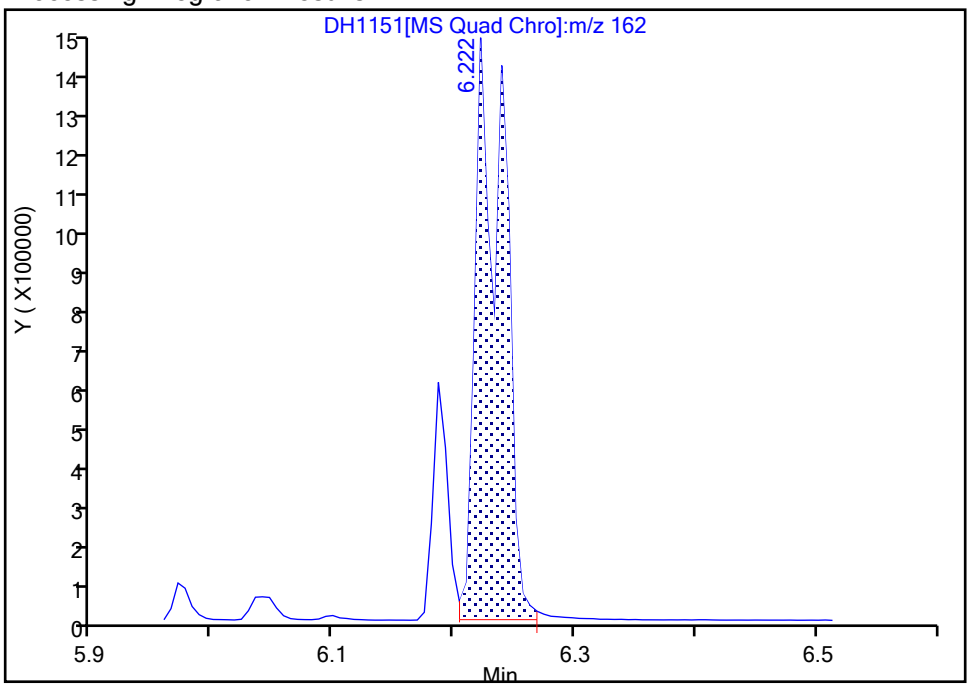
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1151.D				
Injection Date:	11-Aug-2025 19:50:29	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	EEA115318	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

76 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

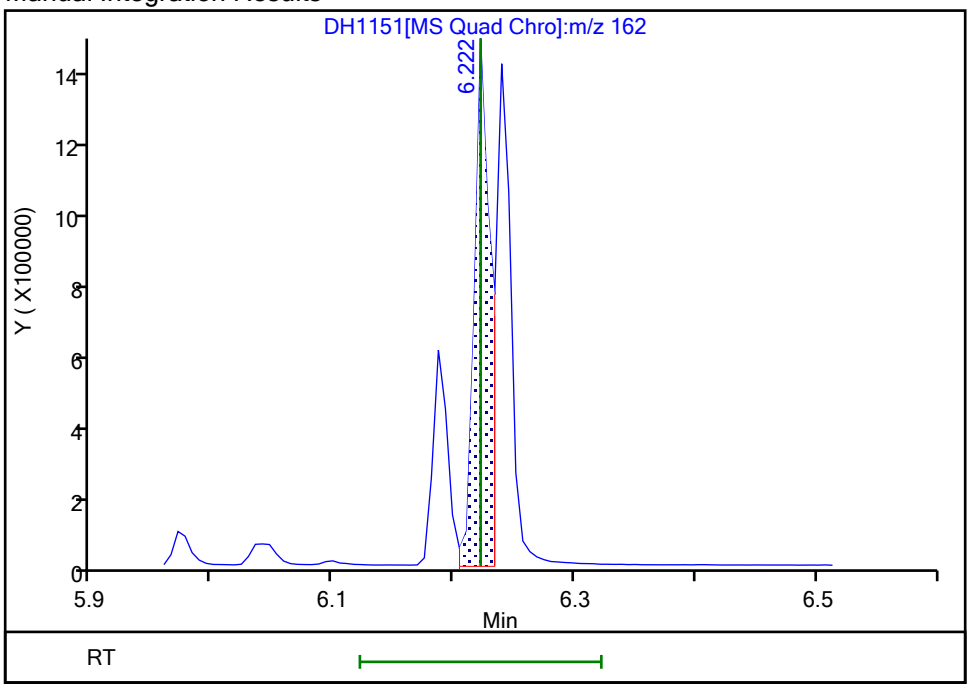
Processing Integration Results

RT: 6.22
Area: 2405955
Amount: 22.134305
Amount Units: ug/ml



Manual Integration Results

RT: 6.22
Area: 1281266
Amount: 11.787391
Amount Units: ug/ml



Reviewer: RN6U, 11-Aug-2025 20:16:45 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

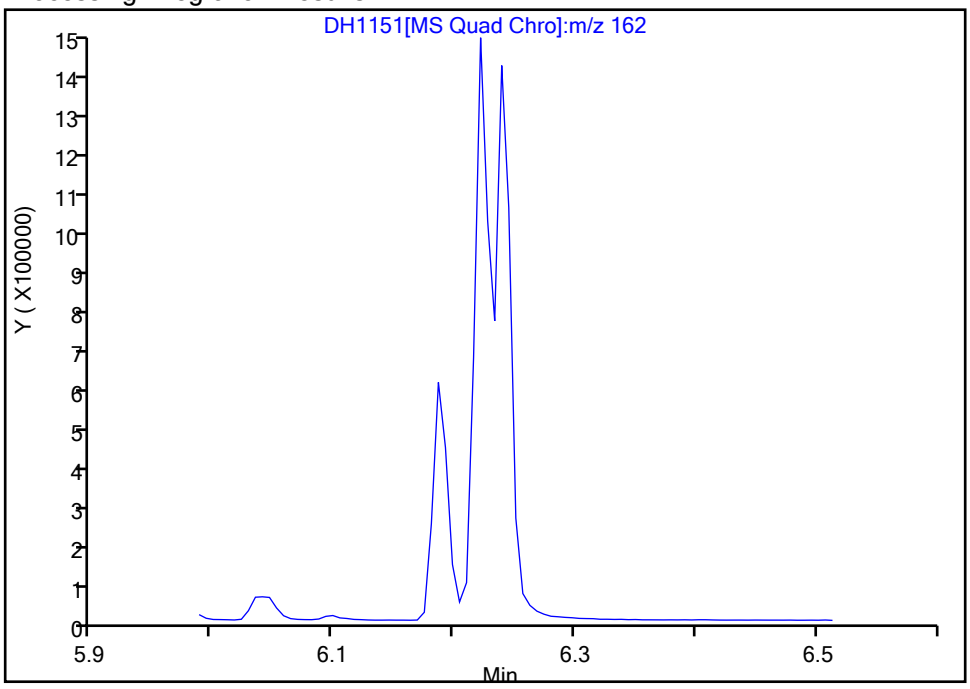
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1151.D				
Injection Date:	11-Aug-2025 19:50:29	Instrument ID:	HP19760		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	EEA115318	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

77 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

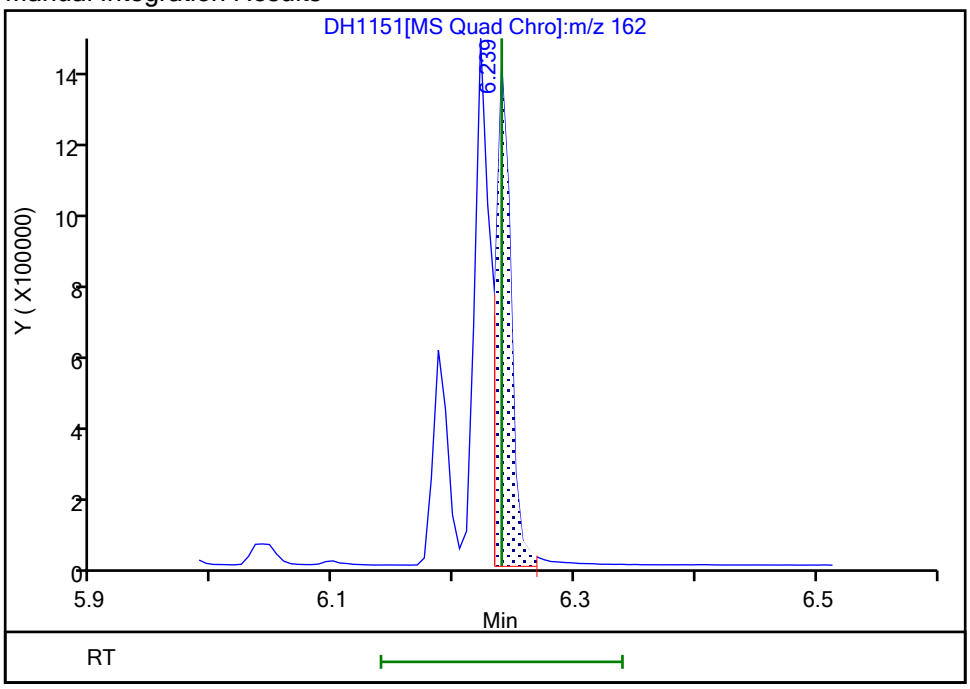
Not Detected
Expected RT: 6.24

Processing Integration Results



Manual Integration Results

RT: 6.24
Area: 1124689
Amount: 11.689792
Amount Units: ug/ml



Reviewer: RN6U, 11-Aug-2025 20:16:55 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCV 410-683977/38 Calibration Date: 08/11/2025 20:38

Instrument ID: HP19760 Calib Start Date: 06/27/2025 22:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/27/2025 23:46

Lab File ID: DH1152.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methapyrilene	Ave	0.2678	0.2837		13.2	12.5	5.9	20.0
Famphur	Ave	0.3579	0.2935		10.3	12.5	-18.0	20.0
Kepone	Ave	0.1050	0.0943		53.5	59.6	-10.2	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1152.D
Lims ID: CCV ABC
Client ID:
Sample Type: CCV
Inject. Date: 11-Aug-2025 20:38:19 ALS Bottle#: 3 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCV ABC
Operator ID: EEA115318 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub23

Method: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 11-Aug-2025 21:24:16 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: RN6U Date: 11-Aug-2025 21:18:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	3.838	3.838	0.000	96	209828	5.00	5.00	
* 50 Naphthalene-d8	136	5.074	5.074	0.000	99	830206	5.00	5.00	
* 90 Acenaphthene-d10	164	6.741	6.741	0.000	94	482584	5.00	5.00	
* 126 Phenanthrene-d10	188	8.145	8.145	0.000	97	887174	5.00	5.00	
132 Methapyrilene	97	9.002	9.002	0.000	98	629220	12.5	13.2	
* 149 Pyrene-d10 (IS)	212	9.480	9.480	0.000	99	903616	5.00	5.00	
151 Famphur	218	10.098	10.098	0.000	83	662971	12.5	10.3	
153 Kepone	272	10.139	10.139	0.000	96	1015835	59.6	53.5	
* 170 Perylene-d12	264	12.377	12.377	0.000	98	652208	5.00	5.00	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVABC_6_00023 Amount Added: 1.00 Units: mL

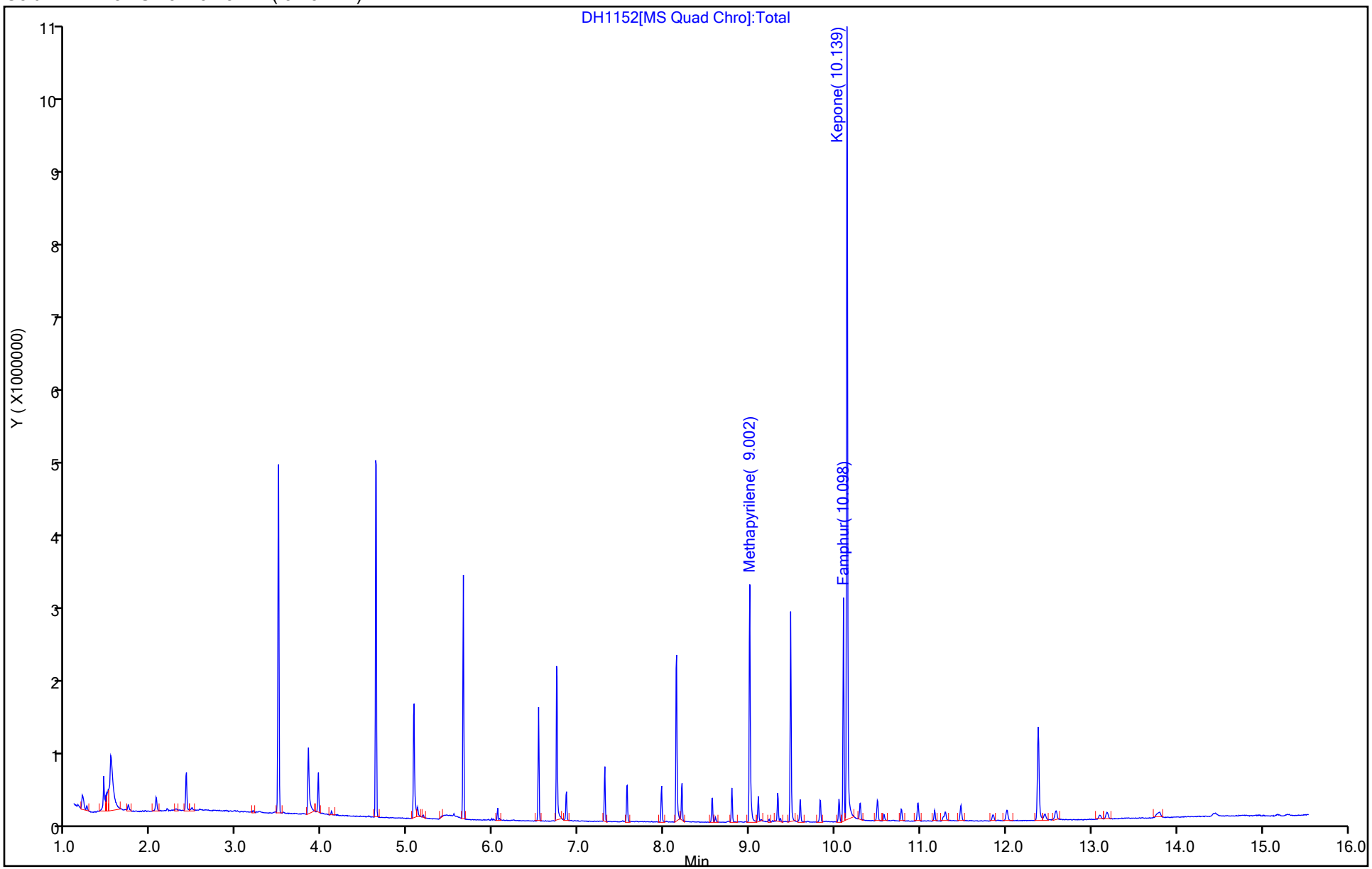
Report Date: 11-Aug-2025 21:24:17 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1152.D

Injection Date:	11-Aug-2025 20:38:19	Instrument ID:	HP19760	Operator ID:	EEA115318
Lims ID:	CCV ABC			Worklist Smp#:	38
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-630243/12 Calibration Date: 04/14/2025 15:15

Instrument ID: HP23264 Calib Start Date: 03/11/2025 21:15

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/11/2025 23:27

Lab File ID: JD1412.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Indene	Ave	2.650	2.692		12.7	12.5	1.6	30.0
Benzoic acid	Ave	0.3569				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 14-Apr-2025 15:15:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0143944-012
Operator ID: CJS101602 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 20:17:59 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: N5QU Date: 14-Apr-2025 20:17:59

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1	1,4-Dioxane	88	1.779	1.780	-0.001	93	243765	12.5	12.8	
2	N-Nitrosodimethylamine	74	2.007	2.013	-0.006	92	447589	12.5	12.7	
3	Pyridine	79		2.054				ND	ND	U
4	Dimethylformamide	73	2.357	2.358	-0.001	94	518528	12.5	12.2	
5	2-Picoline	93	2.661	2.667	-0.006	90	748293	12.5	13.9	
6	N-Nitrosomethylethylamine	88	2.737	2.743	-0.006	95	293843	12.5	12.2	
7	Methyl methanesulfonate	80	3.017	3.017	0.000	87	498486	12.5	14.2	
11	N-Nitrosodiethylamine	102	3.397	3.403	-0.006	93	272174	12.5	12.6	
12	Ethyl methanesulfonate	109	3.689	3.689	0.000	94	297094	12.5	12.8	
13	Benzaldehyde	77	4.016	4.022	-0.006	91	616534	12.5	11.9	
16	Phenol	94	4.086	4.086	0.000	92	797385	12.5	13.5	
17	Aniline	93	4.115	4.121	-0.006	95	1029200	12.5	12.6	
18	Bis(2-chloroethyl)ether	93	4.179	4.179	0.000	92	665424	12.5	13.1	
19	2-Chlorophenol	128	4.232	4.238	-0.006	89	511788	12.5	12.9	
21	1,3-Dichlorobenzene	146	4.378	4.384	-0.006	91	584241	12.5	12.8	
* 22	1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	96	151922	5.00	5.00	
23	1,4-Dichlorobenzene	146	4.454	4.454	0.000	88	598764	12.5	12.2	
26	Benzyl alcohol	108	4.565	4.571	-0.006	86	380061	12.5	12.9	
27	1,2-Dichlorobenzene	146	4.594	4.600	-0.006	92	588954	12.5	13.0	
29	2-Methylphenol	108	4.670	4.676	-0.006	94	536262	12.5	13.4	
30	2,2'-oxybis[1-chloropropane]	45	4.693	4.699	-0.006	88	798598	12.5	12.9	
28	Indene	115	4.681	4.699	-0.018	86	1022590	12.5	12.7	
31	N-Nitrosopyrrolidine	100	4.798	4.804	-0.006	86	329540	12.5	13.4	
34	4-Methylphenol	108	4.822	4.822	0.000	55	563748	12.5	12.6	
32	Acetophenone	105	4.822	4.822	0.000	79	996571	12.5	13.3	
33	N-Nitrosodi-n-propylamine	70	4.822	4.827	-0.005	60	599173	12.5	12.9	
35	N-Nitrosomorpholine	56	4.839	4.845	-0.006	89	434229	12.5	13.3	
36	2-Toluidine	106	4.857	4.857	0.000	93	958786	12.5	13.4	
37	Hexachloroethane	117	4.921	4.927	-0.006	91	283799	12.5	12.7	
40	Nitrobenzene	77	4.985	4.985	0.000	85	865115	12.5	13.3	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	41 N-Nitrosopiperidine	114	5.131	5.131	0.000	81	257186	12.5	12.5	
	42 Isophorone	82	5.213	5.219	-0.006	96	1474878	12.5	13.4	
	43 2-Nitrophenol	139	5.289	5.295	-0.006	84	262680	12.5	13.4	
	44 2,4-Dimethylphenol	107	5.330	5.335	-0.005	96	662033	12.5	14.3	
	46 o,o',o''-Triethylphosphorothioat	198	5.400	5.400	0.000	89	298391	12.5	14.1	
	48 Benzoic acid	105		5.423				ND	ND	U
	47 Bis(2-chloroethoxy)methane	93	5.423	5.429	-0.006	97	873483	12.5	13.3	
	49 2,4-Dichlorophenol	162	5.522	5.522	0.000	95	478302	12.5	14.2	
	50 1,2,4-Trichlorobenzene	180	5.598	5.604	-0.006	92	580394	12.5	13.8	
*	52 Naphthalene-d8	136	5.657	5.657	0.000	100	532113	5.00	5.00	
	53 Naphthalene	128	5.674	5.680	-0.006	98	1487398	12.5	13.2	
	56 4-Chloroaniline	127	5.732	5.733	-0.001	91	642833	12.5	13.7	
	57 2,6-Dichlorophenol	162	5.738	5.738	0.000	91	472040	12.5	14.1	
	58 Hexachloropropene	213	5.762	5.762	0.000	97	492080	12.5	14.9	
	59 Hexachlorobutadiene	225	5.797	5.797	0.000	93	447128	12.5	13.8	
	61 Quinoline	129	5.995	6.001	-0.006	93	996288	12.5	13.5	
	62 Caprolactam	113	6.059	6.060	-0.001	55	131455	12.5	13.6	
	63 N-Nitrosodi-n-butylamine	84	6.054	6.060	-0.006	86	651359	12.5	13.8	
	64 p-Phenylene diamine	108		6.071				12.5	ND	7
	65 4-Chloro-3-methylphenol	107	6.200	6.200	0.000	90	595170	12.5	14.3	
	66 Safrole, Total	162	6.258	6.264	-0.006	77	385070	12.5	13.1	
	67 2-Methylnaphthalene	142	6.340	6.346	-0.006	90	1004444	12.5	14.6	
	69 1-Methylnaphthalene	142	6.433	6.439	-0.006	91	938509	12.5	12.9	
	71 Hexachlorocyclopentadiene	237		6.492				ND	ND	U
	70 1,2,4,5-Tetrachlorobenzene	216	6.497	6.503	-0.006	97	644962	12.5	13.3	
	72 Isosafrole Peak 1	162	6.538	6.544	-0.006	83	59130	1.50	1.93	
	79 2,4,6-Trichlorophenol	196	6.608	6.614	-0.006	94	373719	12.5	14.0	
	80 2,4,5-Trichlorophenol	196	6.643	6.649	-0.006	91	428708	12.5	13.8	
	82 Isosafrole Peak 2	162	6.754	6.760	-0.006	82	411880	11.0	12.1	
	83 1,1'-Biphenyl	154	6.789	6.789	0.000	96	1291920	12.5	13.7	
	84 2-Chloronaphthalene	162	6.801	6.807	-0.006	90	995768	12.5	13.6	
	85 1-Chloronaphthalene	162	6.824	6.830	-0.006	96	1038802	12.5	14.5	
	86 Phenyl ether	170	6.889	6.895	-0.005	88	746487	12.5	13.9	
	87 2-Nitroaniline	138	6.906	6.906	0.000	75	311608	12.5	14.4	
	88 1,4-Naphthoquinone	158	6.976	6.982	-0.006	72	411269	12.5	13.4	
	89 1,4-Dinitrobenzene	168	7.040	7.046	-0.006	84	165499	12.5	15.3	
	90 Dimethyl phthalate	163	7.081	7.087	-0.006	96	1238400	12.5	14.0	
	91 1,3-Dinitrobenzene	168	7.105	7.111	-0.006	79	178334	12.5	14.1	
	92 2,6-Dinitrotoluene	165	7.140	7.140	0.000	87	284398	12.5	14.7	
	93 Acenaphthylene	152	7.198	7.204	-0.006	99	1594648	12.5	14.2	
	95 3-Nitroaniline	138	7.291	7.297	-0.006	86	278023	12.5	14.3	
*	96 Acenaphthene-d10	164	7.332	7.338	-0.006	95	322490	5.00	5.00	
	97 Acenaphthene	153	7.362	7.367	-0.005	97	1105914	12.5	14.3	
	98 2,4-Dinitrophenol	184	7.397	7.402	-0.005	80	354258	25.0	29.3	
	100 4-Nitrophenol	109	7.461	7.467	-0.006	82	532607	25.0	32.8	
	99 Pentachlorobenzene	250	7.484	7.490	-0.006	98	610607	12.5	14.3	
	102 2,4-Dinitrotoluene	165	7.519	7.525	-0.006	83	373638	12.5	14.2	
	101 Dibenzofuran	168	7.531	7.531	0.000	97	1515359	12.5	13.7	
	104 1-Naphthylamine	143	7.607	7.607	0.000	96	912400	12.5	12.9	
	105 2,3,4,6-Tetrachlorophenol	232	7.648	7.648	0.000	72	397788	12.5	14.0	
	106 2-Naphthylamine	143	7.683	7.683	0.000	93	995264	12.5	14.5	
	107 Diethyl phthalate	149	7.759	7.765	-0.006	96	1232557	12.5	13.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
109 Thionazin	107	7.835	7.840	-0.006	74	206713	12.5	13.4	
108 Fluorene	166	7.852	7.858	-0.006	91	1169365	12.5	13.6	
110 4-Chlorophenyl phenyl ether	204	7.858	7.864	-0.006	91	629431	12.5	14.1	
111 N-Nitro-o-toluidine	152	7.870	7.875	-0.005	83	293686	12.5	13.4	
112 4-Nitroaniline	138	7.875	7.881	-0.006	78	288928	12.5	15.4	
113 4,6-Dinitro-2-methylphenol	198	7.905	7.910	-0.005	75	476633	25.0	27.9	
114 N-Nitrosodiphenylamine	169	7.969	7.975	-0.006	66	826570	10.6	12.4	
115 1,2-Diphenylhydrazine	77	8.010	8.016	-0.006	98	1785054	12.5	14.8	
117 Sulfotepp	97	8.132	8.132	0.000	78	290301	12.5	14.7	
118 1,3,5-Trinitrobenzene	213	8.226	8.232	-0.006	81	113249	12.5	15.8	
120 cis-Diallate	86	8.249	8.255	-0.006	83	465659	9.38	10.0	
119 Phorate	75	8.261	8.261	0.000	94	985411	12.5	13.5	
121 Phenacetin	108	8.272	8.278	-0.006	89	674324	12.5	15.7	
122 4-Bromophenyl phenyl ether	248	8.325	8.331	-0.006	66	423231	12.5	14.6	
123 trans-Diallate	86	8.337	8.337	0.000	91	167276	3.13	3.59	
124 Hexachlorobenzene	284	8.372	8.378	-0.006	95	524243	12.5	14.5	
125 Dimethoate	87	8.418	8.424	-0.006	95	513860	12.5	13.5	
126 Atrazine	200	8.488	8.494	-0.006	89	320472	12.5	13.6	
127 Pentachlorophenol	266	8.564	8.570	-0.006	92	629268	25.0	30.1	
129 4-Aminobiphenyl	169	8.570	8.576	-0.006	90	1095051	12.5	12.8	
128 Pentachloronitrobenzene	237	8.576	8.582	-0.006	86	246579	12.5	14.8	
130 Pronamide	173	8.634	8.640	-0.006	90	575122	12.5	15.2	
* 131 Phenanthrene-d10	188	8.745	8.751	-0.006	97	595736	5.00	5.00	
133 Dinoseb	211	8.745	8.751	-0.006	84	328455	12.5	15.7	
134 Disulfoton	88	8.757	8.763	-0.006	97	858893	12.5	13.1	
132 Phenanthrene	178	8.769	8.775	-0.006	98	1732641	12.5	14.1	
135 Anthracene	178	8.815	8.821	-0.006	98	1791331	12.5	14.6	
136 Carbazole	167	8.973	8.979	-0.006	96	1569326	12.5	14.9	
137 Methyl parathion	109	9.113	9.119	-0.006	89	449966	12.5	15.3	
138 Di-n-butyl phthalate	149	9.323	9.324	-0.001	100	2076204	12.5	16.2	
139 Ethyl Parathion	109	9.487	9.493	-0.006	82	276590	12.5	15.5	
140 4-Nitroquinoline-1-oxide	190	9.510	9.516	-0.006	80	139907	12.5	14.0	
S 68 Diallate	86				0		12.5	13.6	
142 Octachlorostyrene	308	9.721	9.726	-0.005	87	248705	12.5	17.8	
143 Isodrin	193	9.761	9.761	0.000	91	233201	12.5	13.5	
144 Fluoranthene	202	9.902	9.907	-0.005	98	1960243	12.5	14.2	
145 Benzidine	184		10.048				ND	ND	U
* 146 Pyrene-d10 (IS)	212	10.100	10.106	-0.006	98	639717	5.00	5.00	
147 Pyrene	202	10.118	10.123	-0.005	98	2110431	12.5	13.8	
200 Aramite Peak 1	185		10.229				ND	ND	U
192 Aramite Peak 2	185		10.246				ND	ND	U
185 Aramite Peak 3	185		10.293				ND	ND	U
180 Aramite Peak 4	185		10.369				ND	ND	U
149 p-Dimethylamino azobenzene	225	10.421	10.427	-0.006	91	338078	12.5	16.9	
150 Chlorobenzilate	139	10.474	10.480	-0.006	87	637414	12.5	16.5	
151 Famphur	218		10.480				ND	ND	U
152 3,3'-Dimethylbenzidine	212	10.777	10.783	-0.006	99	987407	12.5	15.0	
153 Butyl benzyl phthalate	149	10.801	10.807	-0.006	94	869784	12.5	15.6	
155 2-Acetylaminofluorene	181	11.052	11.058	-0.006	92	620601	12.5	14.1	
S 94 Isosafrole	162				0		12.5	14.0	
157 3,3'-Dichlorobenzidine	252	11.390	11.396	-0.006	77	719828	12.5	13.4	
158 4,4'-Methylene bis(2-chloroani	231	11.402	11.402	0.000	96	372780	12.5	14.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
156 Benzo[a]anthracene	228	11.402	11.408	-0.006	98	1922475	12.5	14.4	
159 Chrysene	228	11.449	11.455	-0.006	96	1755914	12.5	13.9	
160 Bis(2-ethylhexyl) phthalate	149	11.490	11.496	-0.006	96	1187985	12.5	15.0	
S 103 Aramite, Total	185		11.583				12.5	ND	7
161 6-Methylchrysene	242	12.021	12.027	-0.006	98	1193433	12.5	14.2	
162 Di-n-octyl phthalate	149	12.360	12.366	-0.006	99	2003993	12.5	14.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.821	12.827	-0.006	73	787155	12.5	14.6	
164 Benzo[b]fluoranthene	252	12.821	12.827	-0.006	96	1918927	12.5	13.7	
165 Benzo[k]fluoranthene	252	12.862	12.868	-0.006	99	1906559	12.5	13.3	
166 Benzo[a]pyrene	252	13.282	13.294	-0.012	76	1796983	12.5	13.6	
* 167 Perylene-d12	264	13.364	13.370	-0.006	100	581169	5.00	5.00	
168 3-Methylcholanthrene	268	13.808	13.814	-0.006	89	727128	12.5	11.5	
169 Dibenz[a,h]acridine	279	14.596	14.602	-0.006	90	1608494	12.5	15.8	
170 Dibenz[a,j]acridine	279	14.666	14.672	-0.006	96	1646541	12.5	14.4	
171 Indeno[1,2,3-cd]pyrene	276	14.900	14.906	-0.006	98	1816276	12.5	13.7	
172 Dibenz(a,h)anthracene	278	14.941	14.947	-0.006	93	1830884	12.5	14.5	
173 Benzo[g,h,i]perylene	276	15.273	15.279	-0.006	98	1899773	12.5	14.0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270ICV_00036 Amount Added: 1.00 Units: mL

Report Date: 14-Apr-2025 20:18:22 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D

Injection Date: 14-Apr-2025 15:15:30 Instrument ID: HP23264 Operator ID: CJS101602

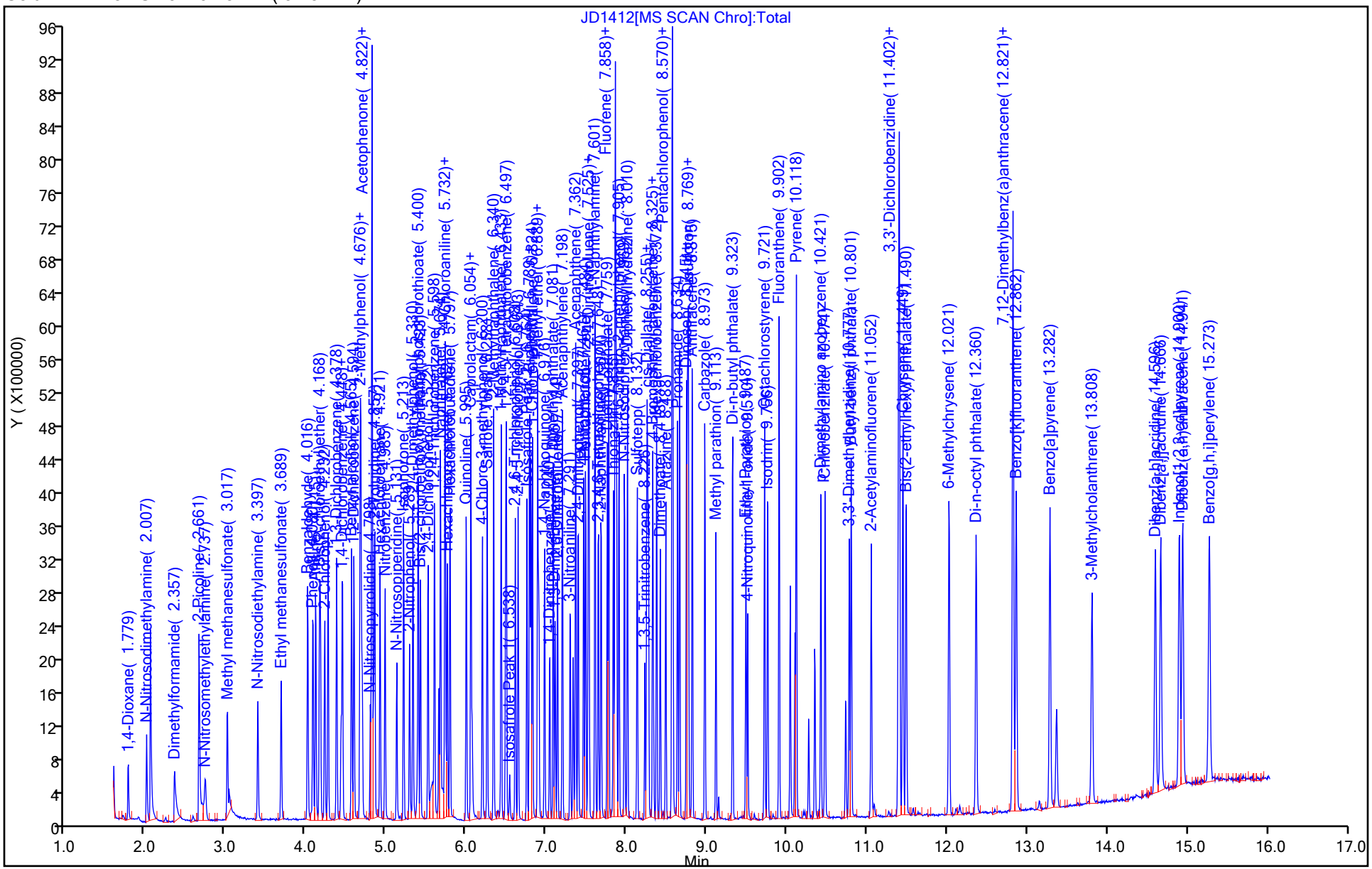
Lims ID: ICV FULL Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



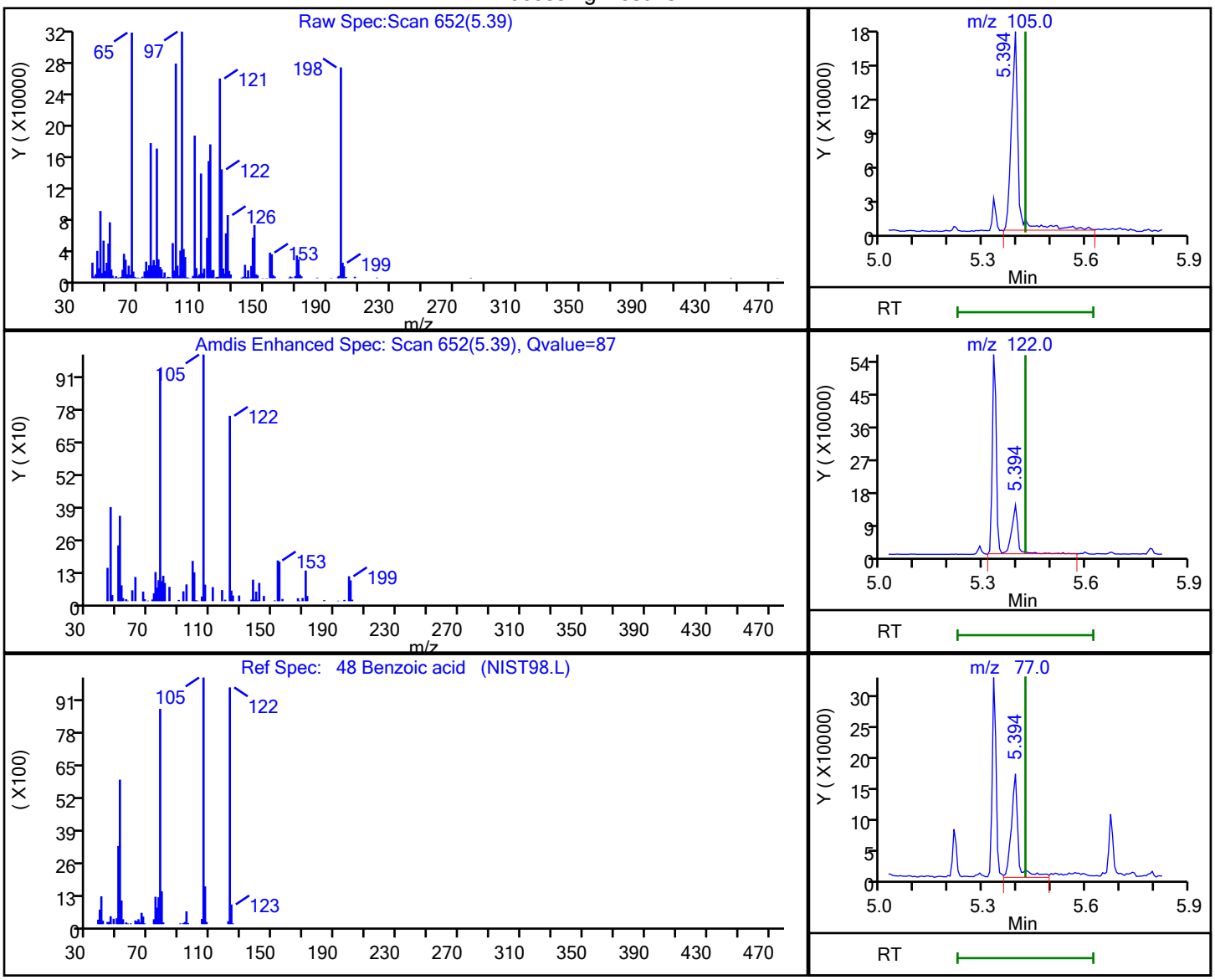
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D				
Injection Date:	14-Apr-2025 15:15:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

48 Benzoic acid, CAS: 65-85-0

Processing Results



RT	Mass	Response	Amount
5.39	105.00	265707	6.995574
5.39	122.00	642408	
5.39	77.00	231729	

Reviewer: N5QU, 14-Apr-2025 18:40:42 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-630243/12 Calibration Date: 04/14/2025 15:15

Instrument ID: HP23264 Calib Start Date: 03/13/2025 09:15

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/13/2025 09:15

Lab File ID: JD1412.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Aramite Peak 1	Ave	0.0478				1.25		
Aramite Peak 2	Ave	0.0394				1.25		
Aramite Peak 3	Ave	0.1103				5.00		
Aramite Peak 4	Ave	0.1215				5.00		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 14-Apr-2025 15:15:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0143944-012
Operator ID: CJS101602 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 20:17:59 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: N5QU Date: 14-Apr-2025 20:17:59

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1	1,4-Dioxane	88	1.779	1.780	-0.001	93	243765	12.5	12.8	
2	N-Nitrosodimethylamine	74	2.007	2.013	-0.006	92	447589	12.5	12.7	
3	Pyridine	79		2.054				ND	ND	U
4	Dimethylformamide	73	2.357	2.358	-0.001	94	518528	12.5	12.2	
5	2-Picoline	93	2.661	2.667	-0.006	90	748293	12.5	13.9	
6	N-Nitrosomethylethylamine	88	2.737	2.743	-0.006	95	293843	12.5	12.2	
7	Methyl methanesulfonate	80	3.017	3.017	0.000	87	498486	12.5	14.2	
11	N-Nitrosodiethylamine	102	3.397	3.403	-0.006	93	272174	12.5	12.6	
12	Ethyl methanesulfonate	109	3.689	3.689	0.000	94	297094	12.5	12.8	
13	Benzaldehyde	77	4.016	4.022	-0.006	91	616534	12.5	11.9	
16	Phenol	94	4.086	4.086	0.000	92	797385	12.5	13.5	
17	Aniline	93	4.115	4.121	-0.006	95	1029200	12.5	12.6	
18	Bis(2-chloroethyl)ether	93	4.179	4.179	0.000	92	665424	12.5	13.1	
19	2-Chlorophenol	128	4.232	4.238	-0.006	89	511788	12.5	12.9	
21	1,3-Dichlorobenzene	146	4.378	4.384	-0.006	91	584241	12.5	12.8	
* 22	1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	96	151922	5.00	5.00	
23	1,4-Dichlorobenzene	146	4.454	4.454	0.000	88	598764	12.5	12.2	
26	Benzyl alcohol	108	4.565	4.571	-0.006	86	380061	12.5	12.9	
27	1,2-Dichlorobenzene	146	4.594	4.600	-0.006	92	588954	12.5	13.0	
29	2-Methylphenol	108	4.670	4.676	-0.006	94	536262	12.5	13.4	
30	2,2'-oxybis[1-chloropropane]	45	4.693	4.699	-0.006	88	798598	12.5	12.9	
28	Indene	115	4.681	4.699	-0.018	86	1022590	12.5	12.7	
31	N-Nitrosopyrrolidine	100	4.798	4.804	-0.006	86	329540	12.5	13.4	
34	4-Methylphenol	108	4.822	4.822	0.000	55	563748	12.5	12.6	
32	Acetophenone	105	4.822	4.822	0.000	79	996571	12.5	13.3	
33	N-Nitrosodi-n-propylamine	70	4.822	4.827	-0.005	60	599173	12.5	12.9	
35	N-Nitrosomorpholine	56	4.839	4.845	-0.006	89	434229	12.5	13.3	
36	2-Toluidine	106	4.857	4.857	0.000	93	958786	12.5	13.4	
37	Hexachloroethane	117	4.921	4.927	-0.006	91	283799	12.5	12.7	
40	Nitrobenzene	77	4.985	4.985	0.000	85	865115	12.5	13.3	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	41 N-Nitrosopiperidine	114	5.131	5.131	0.000	81	257186	12.5	12.5	
	42 Isophorone	82	5.213	5.219	-0.006	96	1474878	12.5	13.4	
	43 2-Nitrophenol	139	5.289	5.295	-0.006	84	262680	12.5	13.4	
	44 2,4-Dimethylphenol	107	5.330	5.335	-0.005	96	662033	12.5	14.3	
	46 o,o',o''-Triethylphosphorothioat	198	5.400	5.400	0.000	89	298391	12.5	14.1	
	48 Benzoic acid	105		5.423				ND	ND	U
	47 Bis(2-chloroethoxy)methane	93	5.423	5.429	-0.006	97	873483	12.5	13.3	
	49 2,4-Dichlorophenol	162	5.522	5.522	0.000	95	478302	12.5	14.2	
	50 1,2,4-Trichlorobenzene	180	5.598	5.604	-0.006	92	580394	12.5	13.8	
*	52 Naphthalene-d8	136	5.657	5.657	0.000	100	532113	5.00	5.00	
	53 Naphthalene	128	5.674	5.680	-0.006	98	1487398	12.5	13.2	
	56 4-Chloroaniline	127	5.732	5.733	-0.001	91	642833	12.5	13.7	
	57 2,6-Dichlorophenol	162	5.738	5.738	0.000	91	472040	12.5	14.1	
	58 Hexachloropropene	213	5.762	5.762	0.000	97	492080	12.5	14.9	
	59 Hexachlorobutadiene	225	5.797	5.797	0.000	93	447128	12.5	13.8	
	61 Quinoline	129	5.995	6.001	-0.006	93	996288	12.5	13.5	
	62 Caprolactam	113	6.059	6.060	-0.001	55	131455	12.5	13.6	
	63 N-Nitrosodi-n-butylamine	84	6.054	6.060	-0.006	86	651359	12.5	13.8	
	64 p-Phenylene diamine	108		6.071				12.5	ND	7
	65 4-Chloro-3-methylphenol	107	6.200	6.200	0.000	90	595170	12.5	14.3	
	66 Safrole, Total	162	6.258	6.264	-0.006	77	385070	12.5	13.1	
	67 2-Methylnaphthalene	142	6.340	6.346	-0.006	90	1004444	12.5	14.6	
	69 1-Methylnaphthalene	142	6.433	6.439	-0.006	91	938509	12.5	12.9	
	71 Hexachlorocyclopentadiene	237		6.492				ND	ND	U
	70 1,2,4,5-Tetrachlorobenzene	216	6.497	6.503	-0.006	97	644962	12.5	13.3	
	72 Isosafrole Peak 1	162	6.538	6.544	-0.006	83	59130	1.50	1.93	
	79 2,4,6-Trichlorophenol	196	6.608	6.614	-0.006	94	373719	12.5	14.0	
	80 2,4,5-Trichlorophenol	196	6.643	6.649	-0.006	91	428708	12.5	13.8	
	82 Isosafrole Peak 2	162	6.754	6.760	-0.006	82	411880	11.0	12.1	
	83 1,1'-Biphenyl	154	6.789	6.789	0.000	96	1291920	12.5	13.7	
	84 2-Chloronaphthalene	162	6.801	6.807	-0.006	90	995768	12.5	13.6	
	85 1-Chloronaphthalene	162	6.824	6.830	-0.006	96	1038802	12.5	14.5	
	86 Phenyl ether	170	6.889	6.895	-0.005	88	746487	12.5	13.9	
	87 2-Nitroaniline	138	6.906	6.906	0.000	75	311608	12.5	14.4	
	88 1,4-Naphthoquinone	158	6.976	6.982	-0.006	72	411269	12.5	13.4	
	89 1,4-Dinitrobenzene	168	7.040	7.046	-0.006	84	165499	12.5	15.3	
	90 Dimethyl phthalate	163	7.081	7.087	-0.006	96	1238400	12.5	14.0	
	91 1,3-Dinitrobenzene	168	7.105	7.111	-0.006	79	178334	12.5	14.1	
	92 2,6-Dinitrotoluene	165	7.140	7.140	0.000	87	284398	12.5	14.7	
	93 Acenaphthylene	152	7.198	7.204	-0.006	99	1594648	12.5	14.2	
	95 3-Nitroaniline	138	7.291	7.297	-0.006	86	278023	12.5	14.3	
*	96 Acenaphthene-d10	164	7.332	7.338	-0.006	95	322490	5.00	5.00	
	97 Acenaphthene	153	7.362	7.367	-0.005	97	1105914	12.5	14.3	
	98 2,4-Dinitrophenol	184	7.397	7.402	-0.005	80	354258	25.0	29.3	
	100 4-Nitrophenol	109	7.461	7.467	-0.006	82	532607	25.0	32.8	
	99 Pentachlorobenzene	250	7.484	7.490	-0.006	98	610607	12.5	14.3	
	102 2,4-Dinitrotoluene	165	7.519	7.525	-0.006	83	373638	12.5	14.2	
	101 Dibenzofuran	168	7.531	7.531	0.000	97	1515359	12.5	13.7	
	104 1-Naphthylamine	143	7.607	7.607	0.000	96	912400	12.5	12.9	
	105 2,3,4,6-Tetrachlorophenol	232	7.648	7.648	0.000	72	397788	12.5	14.0	
	106 2-Naphthylamine	143	7.683	7.683	0.000	93	995264	12.5	14.5	
	107 Diethyl phthalate	149	7.759	7.765	-0.006	96	1232557	12.5	13.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
109 Thionazin	107	7.835	7.840	-0.006	74	206713	12.5	13.4	
108 Fluorene	166	7.852	7.858	-0.006	91	1169365	12.5	13.6	
110 4-Chlorophenyl phenyl ether	204	7.858	7.864	-0.006	91	629431	12.5	14.1	
111 N-Nitro-o-toluidine	152	7.870	7.875	-0.005	83	293686	12.5	13.4	
112 4-Nitroaniline	138	7.875	7.881	-0.006	78	288928	12.5	15.4	
113 4,6-Dinitro-2-methylphenol	198	7.905	7.910	-0.005	75	476633	25.0	27.9	
114 N-Nitrosodiphenylamine	169	7.969	7.975	-0.006	66	826570	10.6	12.4	
115 1,2-Diphenylhydrazine	77	8.010	8.016	-0.006	98	1785054	12.5	14.8	
117 Sulfotepp	97	8.132	8.132	0.000	78	290301	12.5	14.7	
118 1,3,5-Trinitrobenzene	213	8.226	8.232	-0.006	81	113249	12.5	15.8	
120 cis-Diallate	86	8.249	8.255	-0.006	83	465659	9.38	10.0	
119 Phorate	75	8.261	8.261	0.000	94	985411	12.5	13.5	
121 Phenacetin	108	8.272	8.278	-0.006	89	674324	12.5	15.7	
122 4-Bromophenyl phenyl ether	248	8.325	8.331	-0.006	66	423231	12.5	14.6	
123 trans-Diallate	86	8.337	8.337	0.000	91	167276	3.13	3.59	
124 Hexachlorobenzene	284	8.372	8.378	-0.006	95	524243	12.5	14.5	
125 Dimethoate	87	8.418	8.424	-0.006	95	513860	12.5	13.5	
126 Atrazine	200	8.488	8.494	-0.006	89	320472	12.5	13.6	
127 Pentachlorophenol	266	8.564	8.570	-0.006	92	629268	25.0	30.1	
129 4-Aminobiphenyl	169	8.570	8.576	-0.006	90	1095051	12.5	12.8	
128 Pentachloronitrobenzene	237	8.576	8.582	-0.006	86	246579	12.5	14.8	
130 Pronamide	173	8.634	8.640	-0.006	90	575122	12.5	15.2	
* 131 Phenanthrene-d10	188	8.745	8.751	-0.006	97	595736	5.00	5.00	
133 Dinoseb	211	8.745	8.751	-0.006	84	328455	12.5	15.7	
134 Disulfoton	88	8.757	8.763	-0.006	97	858893	12.5	13.1	
132 Phenanthrene	178	8.769	8.775	-0.006	98	1732641	12.5	14.1	
135 Anthracene	178	8.815	8.821	-0.006	98	1791331	12.5	14.6	
136 Carbazole	167	8.973	8.979	-0.006	96	1569326	12.5	14.9	
137 Methyl parathion	109	9.113	9.119	-0.006	89	449966	12.5	15.3	
138 Di-n-butyl phthalate	149	9.323	9.324	-0.001	100	2076204	12.5	16.2	
139 Ethyl Parathion	109	9.487	9.493	-0.006	82	276590	12.5	15.5	
140 4-Nitroquinoline-1-oxide	190	9.510	9.516	-0.006	80	139907	12.5	14.0	
S 68 Diallate	86				0		12.5	13.6	
142 Octachlorostyrene	308	9.721	9.726	-0.005	87	248705	12.5	17.8	
143 Isodrin	193	9.761	9.761	0.000	91	233201	12.5	13.5	
144 Fluoranthene	202	9.902	9.907	-0.005	98	1960243	12.5	14.2	
145 Benzidine	184		10.048				ND	ND	U
* 146 Pyrene-d10 (IS)	212	10.100	10.106	-0.006	98	639717	5.00	5.00	
147 Pyrene	202	10.118	10.123	-0.005	98	2110431	12.5	13.8	
200 Aramite Peak 1	185		10.229				ND	ND	U
192 Aramite Peak 2	185		10.246				ND	ND	U
185 Aramite Peak 3	185		10.293				ND	ND	U
180 Aramite Peak 4	185		10.369				ND	ND	U
149 p-Dimethylamino azobenzene	225	10.421	10.427	-0.006	91	338078	12.5	16.9	
150 Chlorobenzilate	139	10.474	10.480	-0.006	87	637414	12.5	16.5	
151 Famphur	218		10.480				ND	ND	U
152 3,3'-Dimethylbenzidine	212	10.777	10.783	-0.006	99	987407	12.5	15.0	
153 Butyl benzyl phthalate	149	10.801	10.807	-0.006	94	869784	12.5	15.6	
155 2-Acetylaminofluorene	181	11.052	11.058	-0.006	92	620601	12.5	14.1	
S 94 Isosafrole	162				0		12.5	14.0	
157 3,3'-Dichlorobenzidine	252	11.390	11.396	-0.006	77	719828	12.5	13.4	
158 4,4'-Methylene bis(2-chloroani	231	11.402	11.402	0.000	96	372780	12.5	14.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
156 Benzo[a]anthracene	228	11.402	11.408	-0.006	98	1922475	12.5	14.4	
159 Chrysene	228	11.449	11.455	-0.006	96	1755914	12.5	13.9	
160 Bis(2-ethylhexyl) phthalate	149	11.490	11.496	-0.006	96	1187985	12.5	15.0	
S 103 Aramite, Total	185		11.583				12.5	ND	7
161 6-Methylchrysene	242	12.021	12.027	-0.006	98	1193433	12.5	14.2	
162 Di-n-octyl phthalate	149	12.360	12.366	-0.006	99	2003993	12.5	14.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.821	12.827	-0.006	73	787155	12.5	14.6	
164 Benzo[b]fluoranthene	252	12.821	12.827	-0.006	96	1918927	12.5	13.7	
165 Benzo[k]fluoranthene	252	12.862	12.868	-0.006	99	1906559	12.5	13.3	
166 Benzo[a]pyrene	252	13.282	13.294	-0.012	76	1796983	12.5	13.6	
* 167 Perylene-d12	264	13.364	13.370	-0.006	100	581169	5.00	5.00	
168 3-Methylcholanthrene	268	13.808	13.814	-0.006	89	727128	12.5	11.5	
169 Dibenz[a,h]acridine	279	14.596	14.602	-0.006	90	1608494	12.5	15.8	
170 Dibenz[a,j]acridine	279	14.666	14.672	-0.006	96	1646541	12.5	14.4	
171 Indeno[1,2,3-cd]pyrene	276	14.900	14.906	-0.006	98	1816276	12.5	13.7	
172 Dibenz(a,h)anthracene	278	14.941	14.947	-0.006	93	1830884	12.5	14.5	
173 Benzo[g,h,i]perylene	276	15.273	15.279	-0.006	98	1899773	12.5	14.0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270ICV_00036 Amount Added: 1.00 Units: mL

Report Date: 14-Apr-2025 20:18:22 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D

Injection Date: 14-Apr-2025 15:15:30 Instrument ID: HP23264 Operator ID: CJS101602

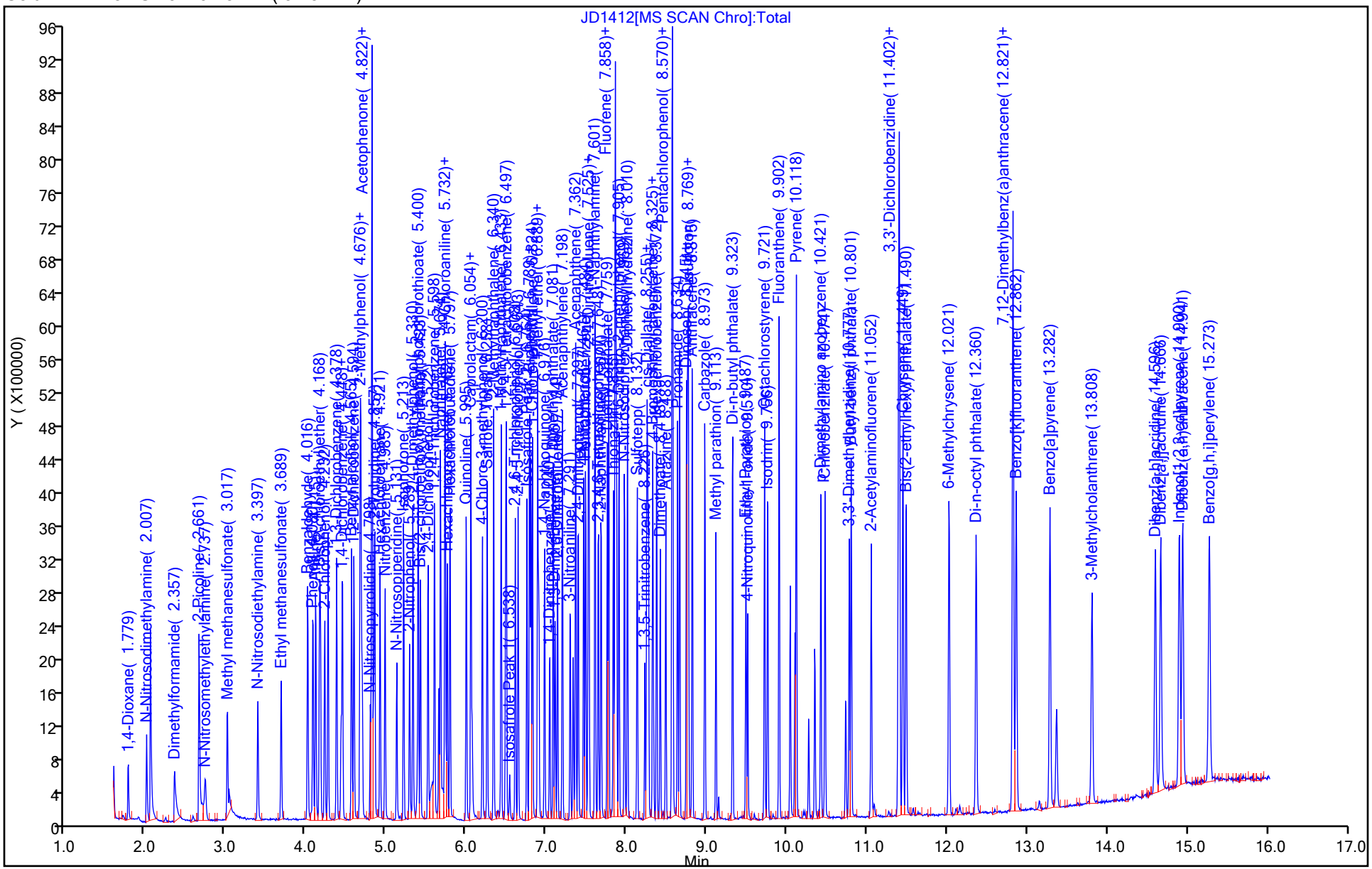
Lims ID: ICV FULL Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



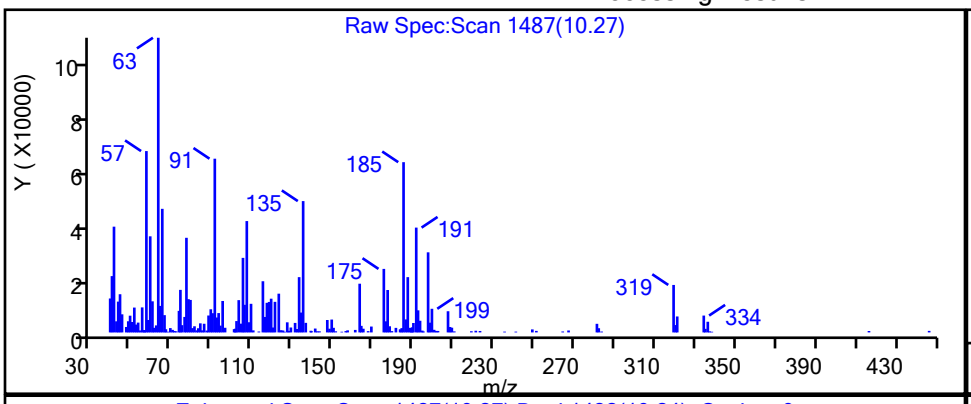
User Disabled Compound Report

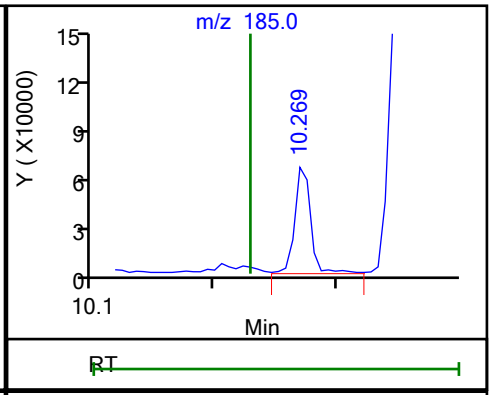
Eurofins Lancaster Laboratories Environment Testing, LLC

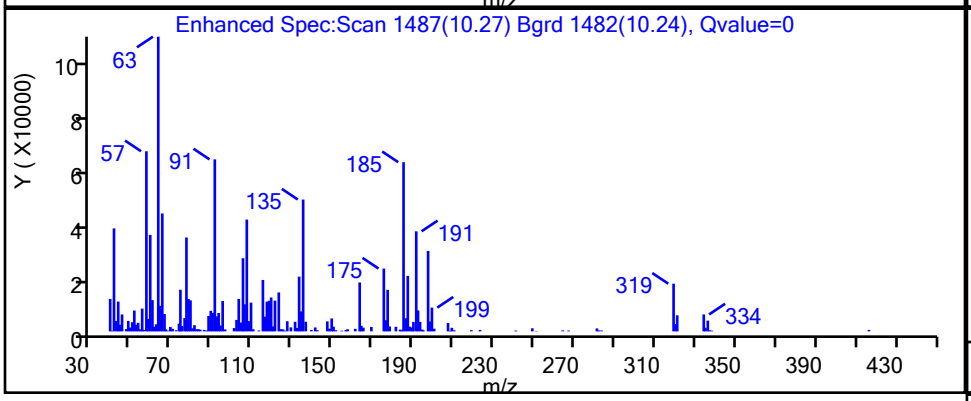
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D				
Injection Date:	14-Apr-2025 15:15:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

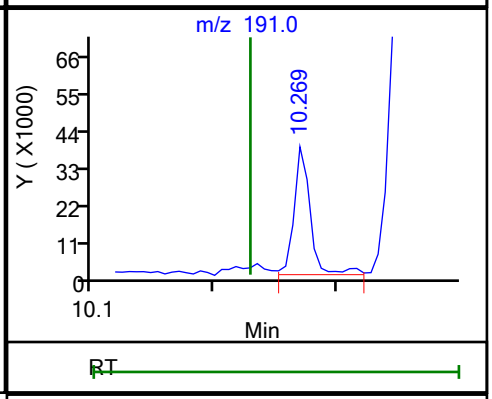
200 Aramite Peak 1, CAS: STL00690

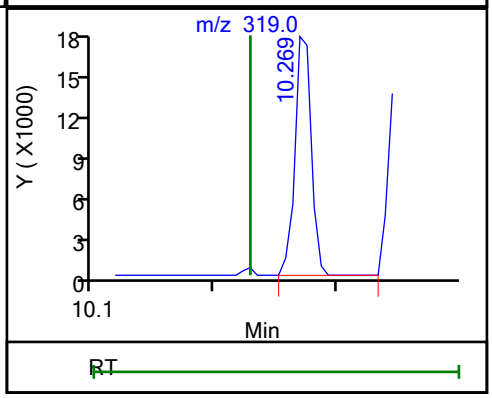
Processing Results











RT	Mass	Response	Amount
10.27	185.00	54949	8.986769
10.27	191.00	36284	
10.27	319.00	16254	
10.28	334.00	7384	
10.27	197.00	23424	

Reviewer: N5QU, 14-Apr-2025 18:46:33 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

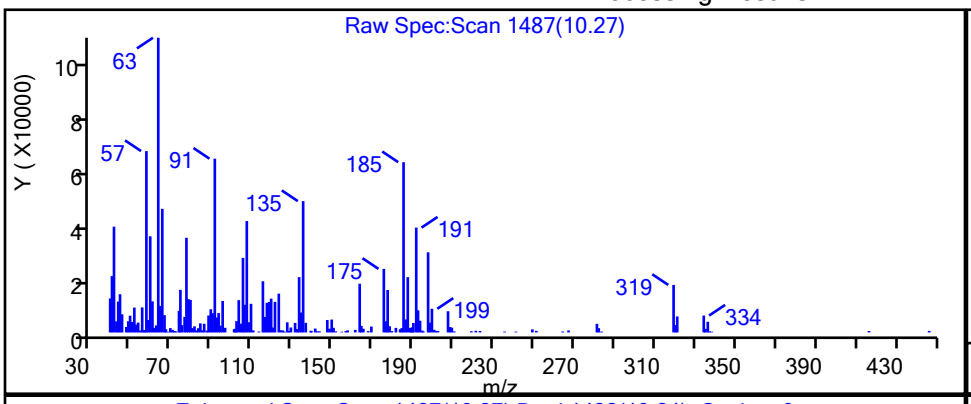
User Disabled Compound Report

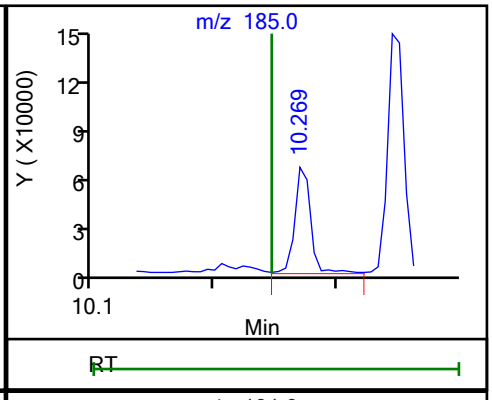
Eurofins Lancaster Laboratories Environment Testing, LLC

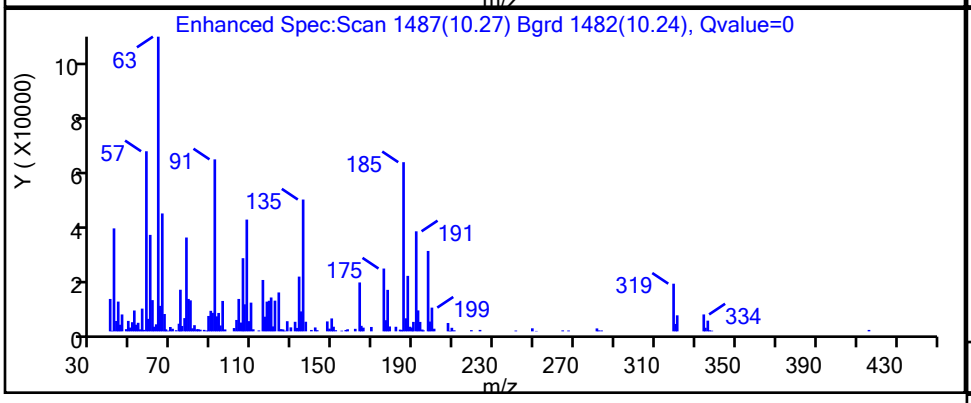
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D				
Injection Date:	14-Apr-2025 15:15:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

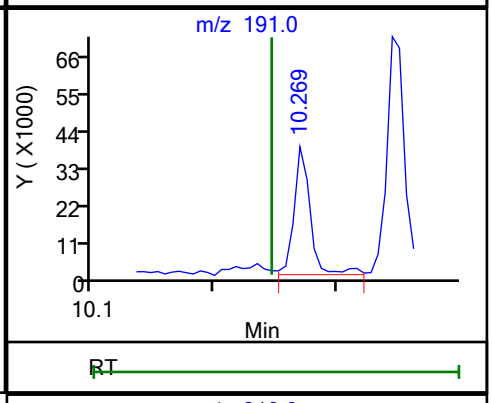
192 Aramite Peak 2, CAS: STL00691

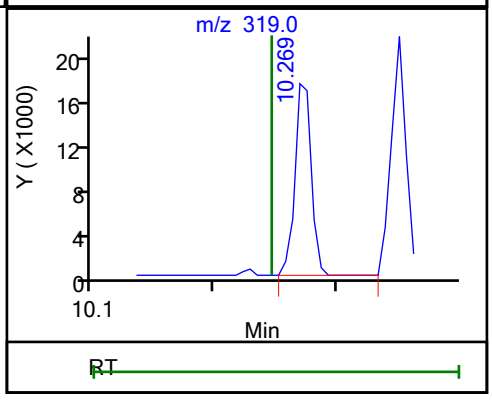
Processing Results











RT	Mass	Response	Amount
10.27	185.00	54949	10.887841
10.27	191.00	36284	
10.27	319.00	16254	
10.28	334.00	7384	
10.27	197.00	23424	

Reviewer: N5QU, 14-Apr-2025 18:46:34 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

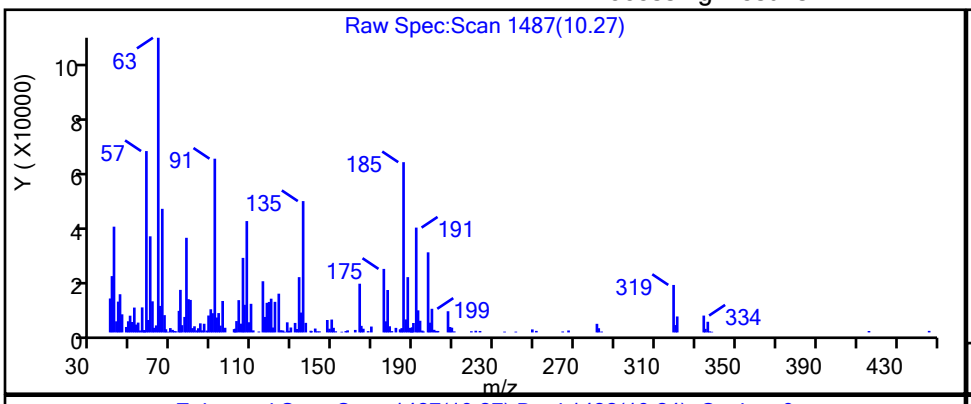
User Disabled Compound Report

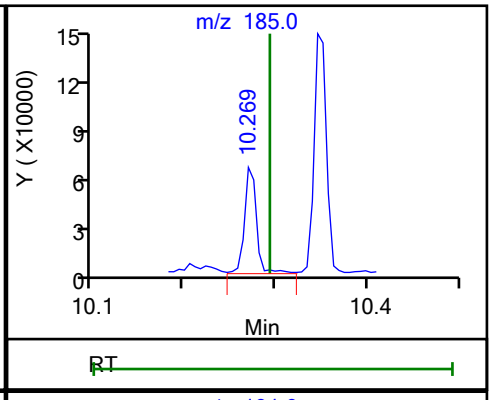
Eurofins Lancaster Laboratories Environment Testing, LLC

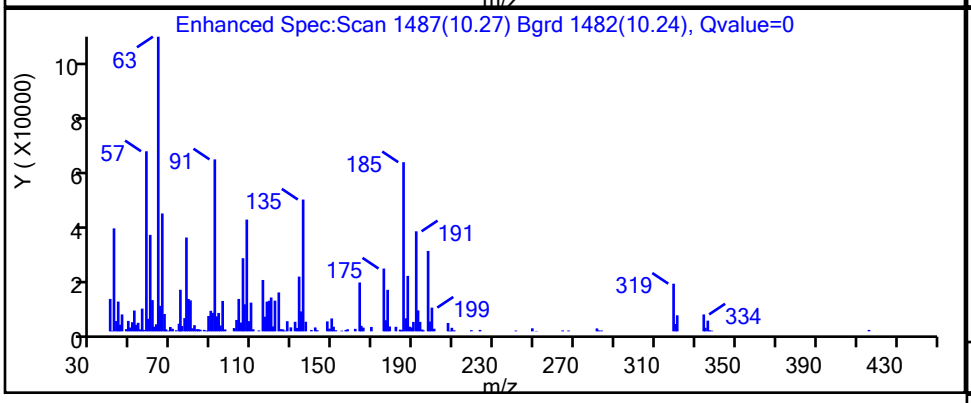
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D				
Injection Date:	14-Apr-2025 15:15:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

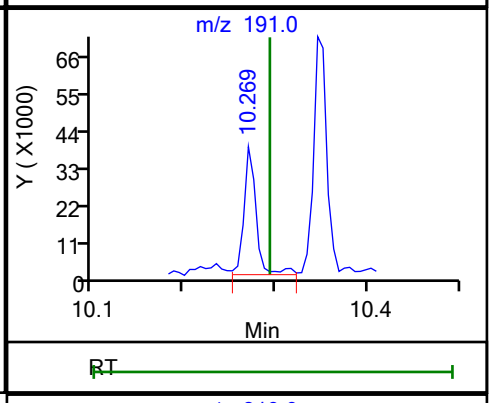
185 Aramite Peak 3, CAS: STL02688

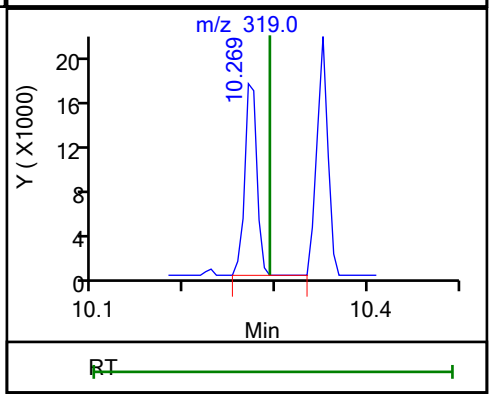
Processing Results











RT	Mass	Response	Amount
10.27	185.00	54949	3.892068
10.27	191.00	36284	
10.27	319.00	16254	
10.28	334.00	7384	
10.27	197.00	23424	

Reviewer: N5QU, 14-Apr-2025 18:46:35 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

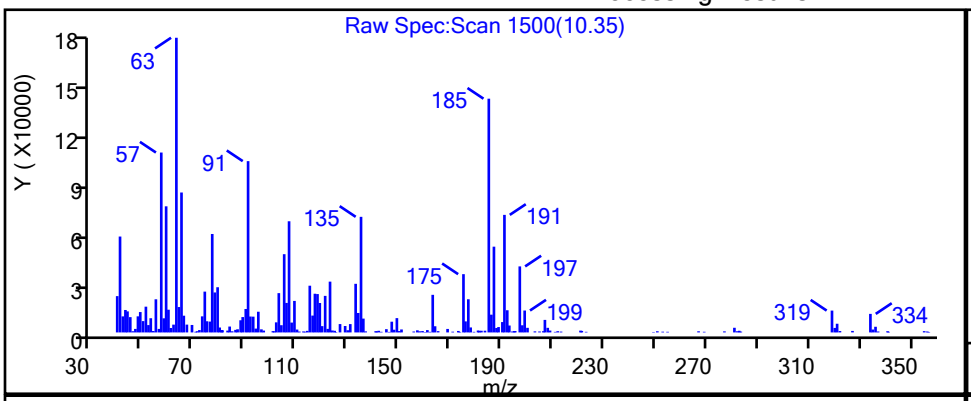
User Disabled Compound Report

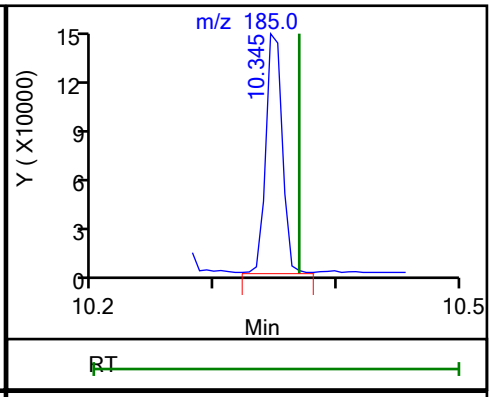
Eurofins Lancaster Laboratories Environment Testing, LLC

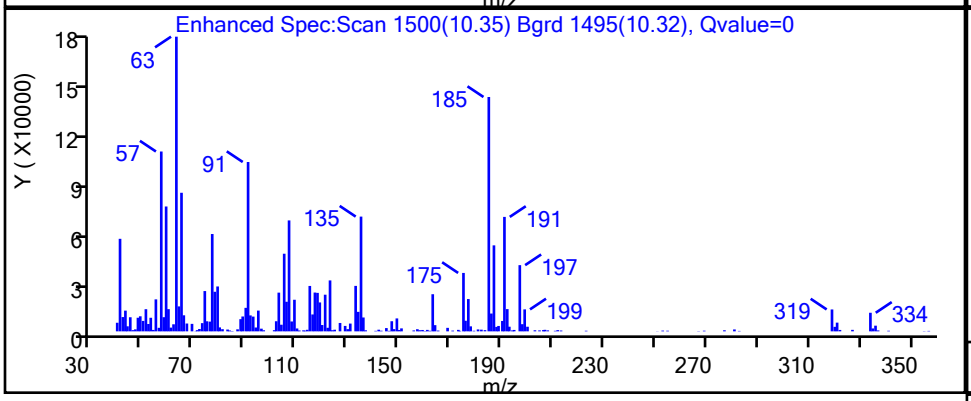
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D				
Injection Date:	14-Apr-2025 15:15:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

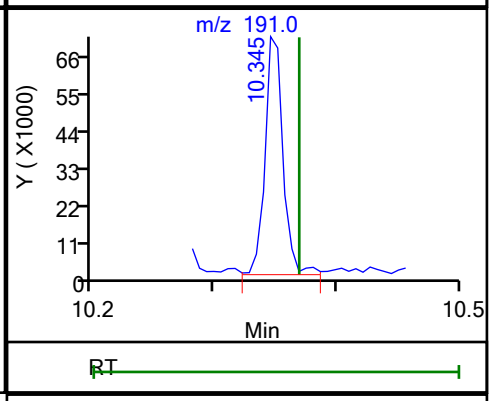
180 Aramite Peak 4, CAS: STL02689

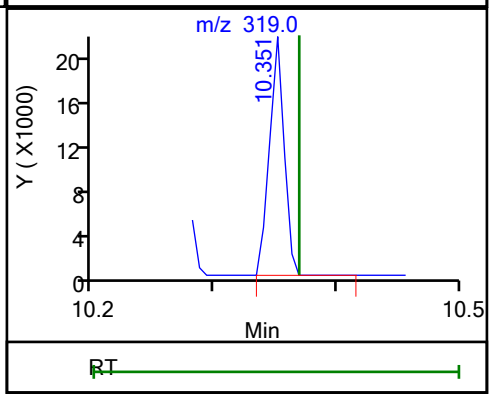
Processing Results











RT	Mass	Response	Amount
10.35	185.00	131965	8.489292
10.35	191.00	73699	
10.35	319.00	18231	
10.35	334.00	13560	
10.35	197.00	36198	

Reviewer: N5QU, 14-Apr-2025 18:46:37 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-630243/12 Calibration Date: 04/14/2025 15:15

Instrument ID: HP23264 Calib Start Date: 04/14/2025 11:33

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/14/2025 14:11

Lab File ID: JD1412.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin2		0.6418		12.8	12.5	2.1	30.0
N-Nitrosodimethylamine	Ave	1.159	1.178		12.7	12.5	1.7	30.0
N,N-dimethylformamide	Ave	1.394	1.365		12.3	12.5	-2.0	30.0
2-Picoline	Ave	1.767	1.970		13.9	12.5	11.5	30.0
N-Nitrosomethylethylamine	Ave	0.7950	0.7737		12.2	12.5	-2.7	30.0
Methyl methanesulfonate	Ave	1.157	1.312		14.2	12.5	13.4	30.0
N-Nitrosodiethylamine	Ave	0.7083	0.7166		12.7	12.5	1.2	30.0
Ethyl methanesulfonate	Ave	0.7655	0.7822		12.8	12.5	2.2	30.0
Benzaldehyde	Ave	1.711	1.623	0.0100	11.9	12.5	-5.1	30.0
Phenol	Ave	1.951	2.099	0.8000	13.5	12.5	7.6	30.0
Aniline	Ave	2.688	2.710		12.6	12.5	0.8	30.0
Bis(2-chloroethyl)ether	Ave	1.673	1.752	0.7000	13.1	12.5	4.7	30.0
2-Chlorophenol	Ave	1.301	1.348	0.8000	13.0	12.5	3.6	30.0
1,3-Dichlorobenzene	Ave	1.505	1.538		12.8	12.5	2.2	30.0
1,4-Dichlorobenzene	Ave	1.611	1.577		12.2	12.5	-2.1	30.0
Benzyl alcohol	Ave	0.9702	1.001		12.9	12.5	3.1	30.0
1,2-Dichlorobenzene	Ave	1.490	1.551		13.0	12.5	4.1	30.0
2-Methylphenol	Ave	1.316	1.412	0.7000	13.4	12.5	7.3	30.0
2,2'-oxybis[1-chloropropane]	Ave	2.034	2.103	0.0100	12.9	12.5	3.4	30.0
N-Nitrosopyrrolidine	Ave	0.8100	0.8677		13.4	12.5	7.1	30.0
3,4-Methylphenol	Ave	1.477	1.484	0.6000	12.6	12.5	0.5	30.0
Acetophenone	Ave	2.462	2.624	0.0100	13.3	12.5	6.6	30.0
N-Nitrosodi-n-propylamine	Ave	1.524	1.578	0.5000	12.9	12.5	3.5	30.0
N-Nitrosomorpholine	Ave	1.071	1.143		13.3	12.5	6.7	30.0
2-Toluidine	Ave	2.355	2.524		13.4	12.5	7.2	30.0
Hexachloroethane	Ave	0.7370	0.7472	0.3000	12.7	12.5	1.4	30.0
Nitrobenzene	Ave	0.6113	0.6503	0.2000	13.3	12.5	6.4	30.0
N-Nitrosopiperidine	Ave	0.1936	0.1933		12.5	12.5	-0.2	30.0
Isophorone	Ave	1.036	1.109	0.4000	13.4	12.5	7.0	30.0
2-Nitrophenol	Ave	0.1848	0.1975	0.1000	13.4	12.5	6.9	30.0
2,4-Dimethylphenol	Ave	0.4344	0.4977	0.2000	14.3	12.5	14.6	30.0
o,o',o''-Triethylphosphorothioate	Ave	0.1992	0.2243		14.1	12.5	12.6	30.0
Bis(2-chloroethoxy)methane	Ave	0.6162	0.6566	0.3000	13.3	12.5	6.6	30.0
2,4-Dichlorophenol	Ave	0.3160	0.3595	0.2000	14.2	12.5	13.8	30.0
1,2,4-Trichlorobenzene	Ave	0.3951	0.4363		13.8	12.5	10.4	30.0
Naphthalene	Ave	1.062	1.118	0.7000	13.2	12.5	5.3	30.0
4-Chloroaniline	Ave	0.4418	0.4832	0.0100	13.7	12.5	9.4	30.0
2,6-Dichlorophenol	Ave	0.3148	0.3548		14.1	12.5	12.7	30.0
Hexachloropropene	Ave	0.3103	0.3699		14.9	12.5	19.2	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-630243/12 Calibration Date: 04/14/2025 15:15

Instrument ID: HP23264 Calib Start Date: 04/14/2025 11:33

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/14/2025 14:11

Lab File ID: JD1412.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.3038	0.3361	0.0100	13.8	12.5	10.6	30.0
Quinoline	Ave	0.6930	0.7489		13.5	12.5	8.1	30.0
N-Nitrosodi-n-butylamine	Ave	0.4428	0.4896		13.8	12.5	10.6	30.0
Caprolactam	Ave	0.0907	0.0988	0.0100	13.6	12.5	8.9	30.0
4-Chloro-3-methylphenol	Ave	0.3920	0.4474	0.2000	14.3	12.5	14.1	30.0
Safrole, Total	Ave	0.2765	0.2895		13.1	12.5	4.7	30.0
2-Methylnaphthalene	Ave	0.6447	0.7551	0.4000	14.6	12.5	17.1	30.0
1-Methylnaphthalene	Ave	0.6815	0.7055		12.9	12.5	3.5	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7526	0.8000	0.0100	13.3	12.5	6.3	30.0
Isosafrole Peak 1	Ave	0.4748	0.6112		1.93	1.50	28.7	30.0
2,4,6-Trichlorophenol	Ave	0.4147	0.4635	0.2000	14.0	12.5	11.8	30.0
2,4,5-Trichlorophenol	Ave	0.4830	0.5317	0.2000	13.8	12.5	10.1	30.0
Isosafrole Peak 2	Ave	0.5292	0.5805		12.1	11.0	9.7	30.0
1,1'-Biphenyl	Ave	1.463	1.602	0.0100	13.7	12.5	9.5	30.0
2-Chloronaphthalene	Ave	1.137	1.235	0.8000	13.6	12.5	8.7	30.0
1-Chloronaphthalene	Ave	1.110	1.288		14.5	12.5	16.1	30.0
Diphenyl ether	Ave	0.8348	0.9259		13.9	12.5	10.9	30.0
2-Nitroaniline	Ave	0.3352	0.3865	0.0100	14.4	12.5	15.3	30.0
1,4-Naphthoquinone	Ave	0.4750	0.5101		13.4	12.5	7.4	30.0
1,4-Dinitrobenzene	Ave	0.1675	0.2053		15.3	12.5	22.6	30.0
Dimethyl phthalate	Ave	1.369	1.536	0.0100	14.0	12.5	12.2	30.0
1,3-Dinitrobenzene	Ave	0.1963	0.2212		14.1	12.5	12.7	30.0
2,6-Dinitrotoluene	Ave	0.2996	0.3528	0.2000	14.7	12.5	17.7	30.0
Acenaphthylene	Ave	1.741	1.978	0.9000	14.2	12.5	13.6	30.0
3-Nitroaniline	Ave	0.3013	0.3448	0.0100	14.3	12.5	14.4	30.0
Acenaphthene	Ave	1.202	1.372	0.9000	14.3	12.5	14.2	30.0
2,4-Dinitrophenol	Ave	0.1876	0.2197	0.0100	29.3	25.0	17.1	30.0
4-Nitrophenol	Ave	0.2520	0.3303	0.0100	32.8	25.0	31.1*	30.0
Pentachlorobenzene	Ave	0.6603	0.7574		14.3	12.5	14.7	30.0
2,4-Dinitrotoluene	Ave	0.4072	0.4634	0.2000	14.2	12.5	13.8	30.0
Dibenzofuran	Ave	1.711	1.880	0.8000	13.7	12.5	9.8	30.0
1-Naphthylamine	Ave	1.100	1.132		12.9	12.5	2.8	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.4397	0.4934	0.0100	14.0	12.5	12.2	30.0
2-Naphthylamine	Ave	1.063	1.234		14.5	12.5	16.2	30.0
Diethyl phthalate	Ave	1.407	1.529	0.0100	13.6	12.5	8.6	30.0
Thionazin	Ave	0.2399	0.2564		13.4	12.5	6.9	30.0
Fluorene	Ave	1.335	1.450	0.9000	13.6	12.5	8.6	30.0
4-Chlorophenyl phenyl ether	Ave	0.6930	0.7807	0.4000	14.1	12.5	12.7	30.0
5-Nitro-o-toluidine	Ave	0.3404	0.3643		13.4	12.5	7.0	30.0
4-Nitroaniline	Ave	0.2904	0.3584	0.0100	15.4	12.5	23.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-630243/12 Calibration Date: 04/14/2025 15:15

Instrument ID: HP23264 Calib Start Date: 04/14/2025 11:33

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/14/2025 14:11

Lab File ID: JD1412.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4,6-Dinitro-2-methylphenol	Ave	0.1432	0.1600	0.0100	27.9	25.0	11.7	30.0
N-Nitrosodiphenylamine	Ave	0.5606	0.6529	0.0100	12.4	10.6	16.5	30.0
1,2-Diphenylhydrazine	Ave	1.012	1.199		14.8	12.5	18.4	30.0
Sulfotepp	Ave	0.1654	0.1949		14.7	12.5	17.8	30.0
1,3,5-Trinitrobenzene	Ave	0.0603	0.0760			12.5	26.0	30.0
cis-Diallate	Ave	0.3903	0.4169		10.0	9.38	6.8	30.0
Phorate	Ave	0.6118	0.6616		13.5	12.5	8.1	30.0
Phenacetin	Ave	0.3613	0.4528		15.7	12.5	25.3	30.0
4-Bromophenyl phenyl ether	Ave	0.2434	0.2842	0.1000	14.6	12.5	16.8	30.0
trans-Diallate	Ave	0.3910	0.4493		3.59	3.13	14.9	30.0
Hexachlorobenzene	Ave	0.3045	0.3520	0.1000	14.5	12.5	15.6	30.0
Dimethoate	Ave	0.3201	0.3450		13.5	12.5	7.8	30.0
Atrazine	Ave	0.1973	0.2152	0.0100	13.6	12.5	9.0	30.0
Pentachlorophenol	Ave	0.1757	0.2113	0.0500	30.1	25.0	20.2	30.0
4-Aminobiphenyl	Ave	0.7201	0.7353		12.8	12.5	2.1	30.0
Pentachloronitrobenzene	Ave	0.1395	0.1656		14.8	12.5	18.7	30.0
Pronamide	Ave	0.3167	0.3862		15.2	12.5	21.9	30.0
Dinoseb	Ave	0.1751	0.2205		15.7	12.5	25.9	30.0
Disulfoton	Ave	0.5490	0.5767		13.1	12.5	5.0	30.0
Phenanthrene	Ave	1.029	1.163	0.7000	14.1	12.5	13.1	30.0
Anthracene	Ave	1.029	1.203	0.7000	14.6	12.5	16.9	30.0
Carbazole	Ave	0.8838	1.054	0.0100	14.9	12.5	19.2	30.0
Methyl parathion	Ave	0.2461	0.3021		15.4	12.5	22.8	30.0
Di-n-butyl phthalate	Ave	1.076	1.394	0.0100	16.2	12.5	29.6	30.0
Parathion	Ave	0.1502	0.1857		15.5	12.5	23.7	30.0
4-Nitroquinoline-1-oxide	Ave	0.0839	0.0939		14.0	12.5	11.9	30.0
Octachlorostyrene	Ave	0.1173	0.1670		17.8	12.5	42.4*	30.0
Isodrin	Ave	0.1452	0.1566		13.5	12.5	7.9	30.0
Fluoranthene	Ave	1.155	1.316	0.6000	14.2	12.5	13.9	30.0
Pyrene	Ave	1.198	1.320	0.6000	13.8	12.5	10.2	30.0
p-Dimethylamino azobenzene	Ave	0.1563	0.2114		16.9	12.5	35.2*	30.0
Chlorobenzilate	Ave	0.3018	0.3986		16.5	12.5	32.0*	30.0
3,3'-Dimethylbenzidine	Ave	0.5141	0.6174		15.0	12.5	20.1	30.0
Butyl benzyl phthalate	Ave	0.4357	0.5439	0.0100	15.6	12.5	24.8	30.0
2-Acetylaminofluorene	Ave	0.3448	0.3880		14.1	12.5	12.6	30.0
3,3'-Dichlorobenzidine	Ave	0.4197	0.4501	0.0100	13.4	12.5	7.2	30.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.1958	0.2331		14.9	12.5	19.1	30.0
Benzo[a]anthracene	Ave	1.046	1.202	0.8000	14.4	12.5	14.9	30.0
Chrysene	Ave	0.9880	1.098	0.7000	13.9	12.5	11.1	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-630243/12 Calibration Date: 04/14/2025 15:15

Instrument ID: HP23264 Calib Start Date: 04/14/2025 11:33

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/14/2025 14:11

Lab File ID: JD1412.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bis(2-ethylhexyl) phthalate	Ave	0.6191	0.7428	0.0100	15.0	12.5	20.0	30.0
6-Methylchrysene	Ave	0.6583	0.7462		14.2	12.5	13.4	30.0
Di-n-octyl phthalate	Ave	1.166	1.379	0.0100	14.8	12.5	18.2	30.0
7,12-Dimethylbenz(a)anthracene	Ave	0.4636	0.5418		14.6	12.5	16.9	30.0
Benzo[b]fluoranthene	Ave	1.202	1.321	0.7000	13.7	12.5	9.9	30.0
Benzo[k]fluoranthene	Ave	1.237	1.312	0.7000	13.3	12.5	6.1	30.0
Benzo[a]pyrene	Ave	1.138	1.237	0.7000	13.6	12.5	8.7	30.0
3-Methylcholanthrene	Ave	0.5437	0.5005		11.5	12.5	-8.0	30.0
Dibenz[a,h]acridine	Ave	0.8768	1.107		15.8	12.5	26.3	30.0
Dibenz[a,j]acridine	Ave	0.9819	1.133		14.4	12.5	15.4	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.143	1.250	0.5000	13.7	12.5	9.4	30.0
Dibenz(a,h)anthracene	Ave	1.087	1.260	0.4000	14.5	12.5	15.9	30.0
Benzo[g,h,i]perylene	Ave	1.168	1.308	0.5000	14.0	12.5	11.9	30.0
1,4-phenylenediamine	Ave	0.3958				12.5		
Benzidine	Ave	0.6662				12.5		
Famphur	Ave	0.0027				12.5		
Hexachlorocyclopentadiene	Ave	0.5965				12.5		
Pyridine	Ave	1.831				25.0		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 14-Apr-2025 15:15:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0143944-012
Operator ID: CJS101602 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 20:17:59 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: N5QU Date: 14-Apr-2025 20:17:59

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1	1,4-Dioxane	88	1.779	1.780	-0.001	93	243765	12.5	12.8	
2	N-Nitrosodimethylamine	74	2.007	2.013	-0.006	92	447589	12.5	12.7	
3	Pyridine	79		2.054				ND	ND	U
4	Dimethylformamide	73	2.357	2.358	-0.001	94	518528	12.5	12.2	
5	2-Picoline	93	2.661	2.667	-0.006	90	748293	12.5	13.9	
6	N-Nitrosomethylethylamine	88	2.737	2.743	-0.006	95	293843	12.5	12.2	
7	Methyl methanesulfonate	80	3.017	3.017	0.000	87	498486	12.5	14.2	
11	N-Nitrosodiethylamine	102	3.397	3.403	-0.006	93	272174	12.5	12.6	
12	Ethyl methanesulfonate	109	3.689	3.689	0.000	94	297094	12.5	12.8	
13	Benzaldehyde	77	4.016	4.022	-0.006	91	616534	12.5	11.9	
16	Phenol	94	4.086	4.086	0.000	92	797385	12.5	13.5	
17	Aniline	93	4.115	4.121	-0.006	95	1029200	12.5	12.6	
18	Bis(2-chloroethyl)ether	93	4.179	4.179	0.000	92	665424	12.5	13.1	
19	2-Chlorophenol	128	4.232	4.238	-0.006	89	511788	12.5	12.9	
21	1,3-Dichlorobenzene	146	4.378	4.384	-0.006	91	584241	12.5	12.8	
* 22	1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	96	151922	5.00	5.00	
23	1,4-Dichlorobenzene	146	4.454	4.454	0.000	88	598764	12.5	12.2	
26	Benzyl alcohol	108	4.565	4.571	-0.006	86	380061	12.5	12.9	
27	1,2-Dichlorobenzene	146	4.594	4.600	-0.006	92	588954	12.5	13.0	
29	2-Methylphenol	108	4.670	4.676	-0.006	94	536262	12.5	13.4	
30	2,2'-oxybis[1-chloropropane]	45	4.693	4.699	-0.006	88	798598	12.5	12.9	
28	Indene	115	4.681	4.699	-0.018	86	1022590	12.5	12.7	
31	N-Nitrosopyrrolidine	100	4.798	4.804	-0.006	86	329540	12.5	13.4	
34	4-Methylphenol	108	4.822	4.822	0.000	55	563748	12.5	12.6	
32	Acetophenone	105	4.822	4.822	0.000	79	996571	12.5	13.3	
33	N-Nitrosodi-n-propylamine	70	4.822	4.827	-0.005	60	599173	12.5	12.9	
35	N-Nitrosomorpholine	56	4.839	4.845	-0.006	89	434229	12.5	13.3	
36	2-Toluidine	106	4.857	4.857	0.000	93	958786	12.5	13.4	
37	Hexachloroethane	117	4.921	4.927	-0.006	91	283799	12.5	12.7	
40	Nitrobenzene	77	4.985	4.985	0.000	85	865115	12.5	13.3	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	41 N-Nitrosopiperidine	114	5.131	5.131	0.000	81	257186	12.5	12.5	
	42 Isophorone	82	5.213	5.219	-0.006	96	1474878	12.5	13.4	
	43 2-Nitrophenol	139	5.289	5.295	-0.006	84	262680	12.5	13.4	
	44 2,4-Dimethylphenol	107	5.330	5.335	-0.005	96	662033	12.5	14.3	
	46 o,o',o''-Triethylphosphorothioat	198	5.400	5.400	0.000	89	298391	12.5	14.1	
	48 Benzoic acid	105		5.423				ND	ND	U
	47 Bis(2-chloroethoxy)methane	93	5.423	5.429	-0.006	97	873483	12.5	13.3	
	49 2,4-Dichlorophenol	162	5.522	5.522	0.000	95	478302	12.5	14.2	
	50 1,2,4-Trichlorobenzene	180	5.598	5.604	-0.006	92	580394	12.5	13.8	
*	52 Naphthalene-d8	136	5.657	5.657	0.000	100	532113	5.00	5.00	
	53 Naphthalene	128	5.674	5.680	-0.006	98	1487398	12.5	13.2	
	56 4-Chloroaniline	127	5.732	5.733	-0.001	91	642833	12.5	13.7	
	57 2,6-Dichlorophenol	162	5.738	5.738	0.000	91	472040	12.5	14.1	
	58 Hexachloropropene	213	5.762	5.762	0.000	97	492080	12.5	14.9	
	59 Hexachlorobutadiene	225	5.797	5.797	0.000	93	447128	12.5	13.8	
	61 Quinoline	129	5.995	6.001	-0.006	93	996288	12.5	13.5	
	62 Caprolactam	113	6.059	6.060	-0.001	55	131455	12.5	13.6	
	63 N-Nitrosodi-n-butylamine	84	6.054	6.060	-0.006	86	651359	12.5	13.8	
	64 p-Phenylene diamine	108		6.071				12.5	ND	7
	65 4-Chloro-3-methylphenol	107	6.200	6.200	0.000	90	595170	12.5	14.3	
	66 Safrole, Total	162	6.258	6.264	-0.006	77	385070	12.5	13.1	
	67 2-Methylnaphthalene	142	6.340	6.346	-0.006	90	1004444	12.5	14.6	
	69 1-Methylnaphthalene	142	6.433	6.439	-0.006	91	938509	12.5	12.9	
	71 Hexachlorocyclopentadiene	237		6.492				ND	ND	U
	70 1,2,4,5-Tetrachlorobenzene	216	6.497	6.503	-0.006	97	644962	12.5	13.3	
	72 Isosafrole Peak 1	162	6.538	6.544	-0.006	83	59130	1.50	1.93	
	79 2,4,6-Trichlorophenol	196	6.608	6.614	-0.006	94	373719	12.5	14.0	
	80 2,4,5-Trichlorophenol	196	6.643	6.649	-0.006	91	428708	12.5	13.8	
	82 Isosafrole Peak 2	162	6.754	6.760	-0.006	82	411880	11.0	12.1	
	83 1,1'-Biphenyl	154	6.789	6.789	0.000	96	1291920	12.5	13.7	
	84 2-Chloronaphthalene	162	6.801	6.807	-0.006	90	995768	12.5	13.6	
	85 1-Chloronaphthalene	162	6.824	6.830	-0.006	96	1038802	12.5	14.5	
	86 Phenyl ether	170	6.889	6.895	-0.005	88	746487	12.5	13.9	
	87 2-Nitroaniline	138	6.906	6.906	0.000	75	311608	12.5	14.4	
	88 1,4-Naphthoquinone	158	6.976	6.982	-0.006	72	411269	12.5	13.4	
	89 1,4-Dinitrobenzene	168	7.040	7.046	-0.006	84	165499	12.5	15.3	
	90 Dimethyl phthalate	163	7.081	7.087	-0.006	96	1238400	12.5	14.0	
	91 1,3-Dinitrobenzene	168	7.105	7.111	-0.006	79	178334	12.5	14.1	
	92 2,6-Dinitrotoluene	165	7.140	7.140	0.000	87	284398	12.5	14.7	
	93 Acenaphthylene	152	7.198	7.204	-0.006	99	1594648	12.5	14.2	
	95 3-Nitroaniline	138	7.291	7.297	-0.006	86	278023	12.5	14.3	
*	96 Acenaphthene-d10	164	7.332	7.338	-0.006	95	322490	5.00	5.00	
	97 Acenaphthene	153	7.362	7.367	-0.005	97	1105914	12.5	14.3	
	98 2,4-Dinitrophenol	184	7.397	7.402	-0.005	80	354258	25.0	29.3	
	100 4-Nitrophenol	109	7.461	7.467	-0.006	82	532607	25.0	32.8	
	99 Pentachlorobenzene	250	7.484	7.490	-0.006	98	610607	12.5	14.3	
	102 2,4-Dinitrotoluene	165	7.519	7.525	-0.006	83	373638	12.5	14.2	
	101 Dibenzofuran	168	7.531	7.531	0.000	97	1515359	12.5	13.7	
	104 1-Naphthylamine	143	7.607	7.607	0.000	96	912400	12.5	12.9	
	105 2,3,4,6-Tetrachlorophenol	232	7.648	7.648	0.000	72	397788	12.5	14.0	
	106 2-Naphthylamine	143	7.683	7.683	0.000	93	995264	12.5	14.5	
	107 Diethyl phthalate	149	7.759	7.765	-0.006	96	1232557	12.5	13.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
109 Thionazin	107	7.835	7.840	-0.006	74	206713	12.5	13.4	
108 Fluorene	166	7.852	7.858	-0.006	91	1169365	12.5	13.6	
110 4-Chlorophenyl phenyl ether	204	7.858	7.864	-0.006	91	629431	12.5	14.1	
111 N-Nitro-o-toluidine	152	7.870	7.875	-0.005	83	293686	12.5	13.4	
112 4-Nitroaniline	138	7.875	7.881	-0.006	78	288928	12.5	15.4	
113 4,6-Dinitro-2-methylphenol	198	7.905	7.910	-0.005	75	476633	25.0	27.9	
114 N-Nitrosodiphenylamine	169	7.969	7.975	-0.006	66	826570	10.6	12.4	
115 1,2-Diphenylhydrazine	77	8.010	8.016	-0.006	98	1785054	12.5	14.8	
117 Sulfotepp	97	8.132	8.132	0.000	78	290301	12.5	14.7	
118 1,3,5-Trinitrobenzene	213	8.226	8.232	-0.006	81	113249	12.5	15.8	
120 cis-Diallate	86	8.249	8.255	-0.006	83	465659	9.38	10.0	
119 Phorate	75	8.261	8.261	0.000	94	985411	12.5	13.5	
121 Phenacetin	108	8.272	8.278	-0.006	89	674324	12.5	15.7	
122 4-Bromophenyl phenyl ether	248	8.325	8.331	-0.006	66	423231	12.5	14.6	
123 trans-Diallate	86	8.337	8.337	0.000	91	167276	3.13	3.59	
124 Hexachlorobenzene	284	8.372	8.378	-0.006	95	524243	12.5	14.5	
125 Dimethoate	87	8.418	8.424	-0.006	95	513860	12.5	13.5	
126 Atrazine	200	8.488	8.494	-0.006	89	320472	12.5	13.6	
127 Pentachlorophenol	266	8.564	8.570	-0.006	92	629268	25.0	30.1	
129 4-Aminobiphenyl	169	8.570	8.576	-0.006	90	1095051	12.5	12.8	
128 Pentachloronitrobenzene	237	8.576	8.582	-0.006	86	246579	12.5	14.8	
130 Pronamide	173	8.634	8.640	-0.006	90	575122	12.5	15.2	
* 131 Phenanthrene-d10	188	8.745	8.751	-0.006	97	595736	5.00	5.00	
133 Dinoseb	211	8.745	8.751	-0.006	84	328455	12.5	15.7	
134 Disulfoton	88	8.757	8.763	-0.006	97	858893	12.5	13.1	
132 Phenanthrene	178	8.769	8.775	-0.006	98	1732641	12.5	14.1	
135 Anthracene	178	8.815	8.821	-0.006	98	1791331	12.5	14.6	
136 Carbazole	167	8.973	8.979	-0.006	96	1569326	12.5	14.9	
137 Methyl parathion	109	9.113	9.119	-0.006	89	449966	12.5	15.3	
138 Di-n-butyl phthalate	149	9.323	9.324	-0.001	100	2076204	12.5	16.2	
139 Ethyl Parathion	109	9.487	9.493	-0.006	82	276590	12.5	15.5	
140 4-Nitroquinoline-1-oxide	190	9.510	9.516	-0.006	80	139907	12.5	14.0	
S 68 Diallate	86				0		12.5	13.6	
142 Octachlorostyrene	308	9.721	9.726	-0.005	87	248705	12.5	17.8	
143 Isodrin	193	9.761	9.761	0.000	91	233201	12.5	13.5	
144 Fluoranthene	202	9.902	9.907	-0.005	98	1960243	12.5	14.2	
145 Benzidine	184		10.048				ND	ND	U
* 146 Pyrene-d10 (IS)	212	10.100	10.106	-0.006	98	639717	5.00	5.00	
147 Pyrene	202	10.118	10.123	-0.005	98	2110431	12.5	13.8	
200 Aramite Peak 1	185		10.229				ND	ND	U
192 Aramite Peak 2	185		10.246				ND	ND	U
185 Aramite Peak 3	185		10.293				ND	ND	U
180 Aramite Peak 4	185		10.369				ND	ND	U
149 p-Dimethylamino azobenzene	225	10.421	10.427	-0.006	91	338078	12.5	16.9	
150 Chlorobenzilate	139	10.474	10.480	-0.006	87	637414	12.5	16.5	
151 Famphur	218		10.480				ND	ND	U
152 3,3'-Dimethylbenzidine	212	10.777	10.783	-0.006	99	987407	12.5	15.0	
153 Butyl benzyl phthalate	149	10.801	10.807	-0.006	94	869784	12.5	15.6	
155 2-Acetylaminofluorene	181	11.052	11.058	-0.006	92	620601	12.5	14.1	
S 94 Isosafrole	162				0		12.5	14.0	
157 3,3'-Dichlorobenzidine	252	11.390	11.396	-0.006	77	719828	12.5	13.4	
158 4,4'-Methylene bis(2-chloroani	231	11.402	11.402	0.000	96	372780	12.5	14.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
156 Benzo[a]anthracene	228	11.402	11.408	-0.006	98	1922475	12.5	14.4	
159 Chrysene	228	11.449	11.455	-0.006	96	1755914	12.5	13.9	
160 Bis(2-ethylhexyl) phthalate	149	11.490	11.496	-0.006	96	1187985	12.5	15.0	
S 103 Aramite, Total	185		11.583				12.5	ND	7
161 6-Methylchrysene	242	12.021	12.027	-0.006	98	1193433	12.5	14.2	
162 Di-n-octyl phthalate	149	12.360	12.366	-0.006	99	2003993	12.5	14.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.821	12.827	-0.006	73	787155	12.5	14.6	
164 Benzo[b]fluoranthene	252	12.821	12.827	-0.006	96	1918927	12.5	13.7	
165 Benzo[k]fluoranthene	252	12.862	12.868	-0.006	99	1906559	12.5	13.3	
166 Benzo[a]pyrene	252	13.282	13.294	-0.012	76	1796983	12.5	13.6	
* 167 Perylene-d12	264	13.364	13.370	-0.006	100	581169	5.00	5.00	
168 3-Methylcholanthrene	268	13.808	13.814	-0.006	89	727128	12.5	11.5	
169 Dibenz[a,h]acridine	279	14.596	14.602	-0.006	90	1608494	12.5	15.8	
170 Dibenz[a,j]acridine	279	14.666	14.672	-0.006	96	1646541	12.5	14.4	
171 Indeno[1,2,3-cd]pyrene	276	14.900	14.906	-0.006	98	1816276	12.5	13.7	
172 Dibenz(a,h)anthracene	278	14.941	14.947	-0.006	93	1830884	12.5	14.5	
173 Benzo[g,h,i]perylene	276	15.273	15.279	-0.006	98	1899773	12.5	14.0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270ICV_00036 Amount Added: 1.00 Units: mL

Report Date: 14-Apr-2025 20:18:22 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D

Injection Date: 14-Apr-2025 15:15:30 Instrument ID: HP23264 Operator ID: CJS101602

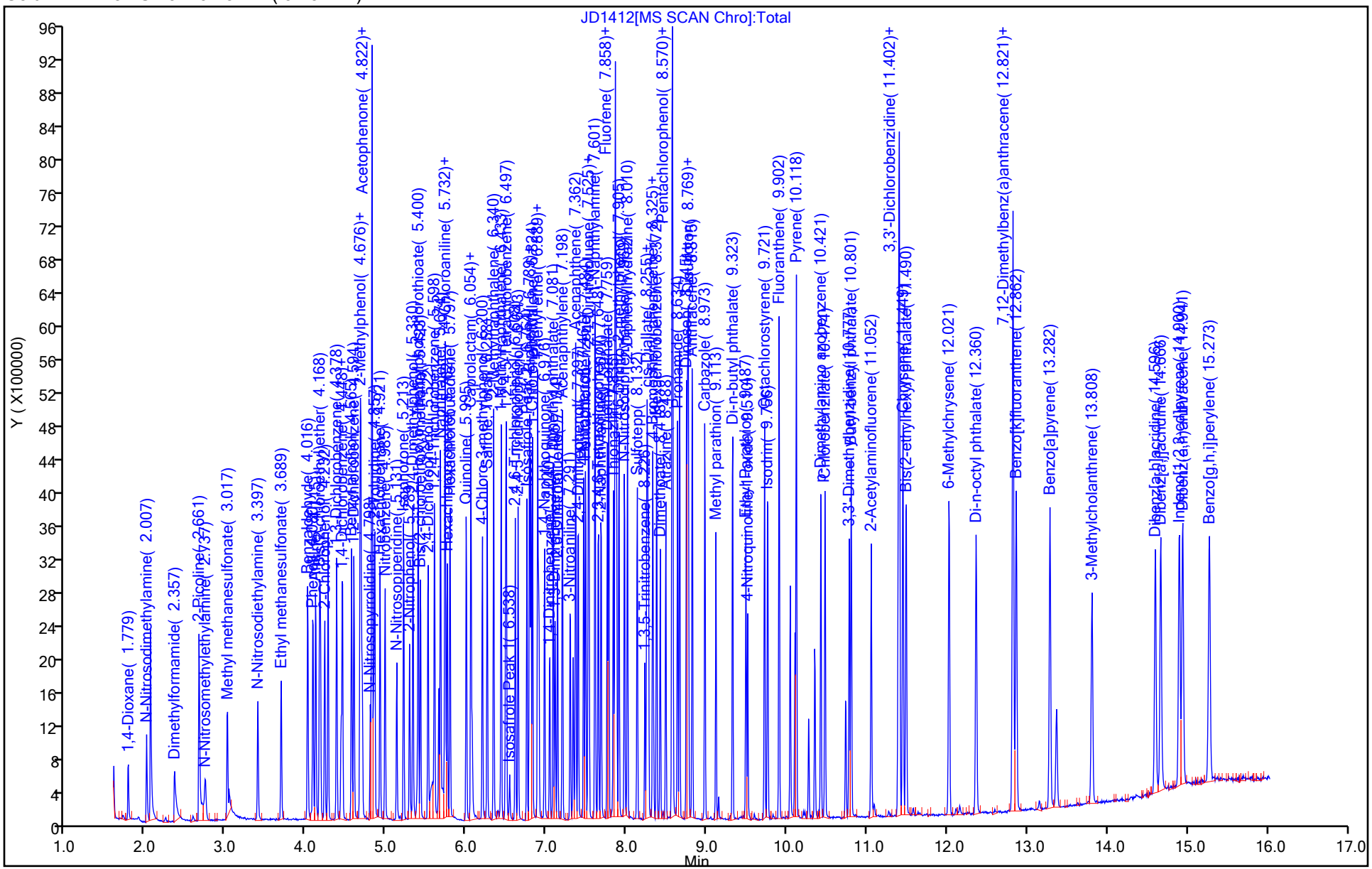
Lims ID: ICV FULL Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



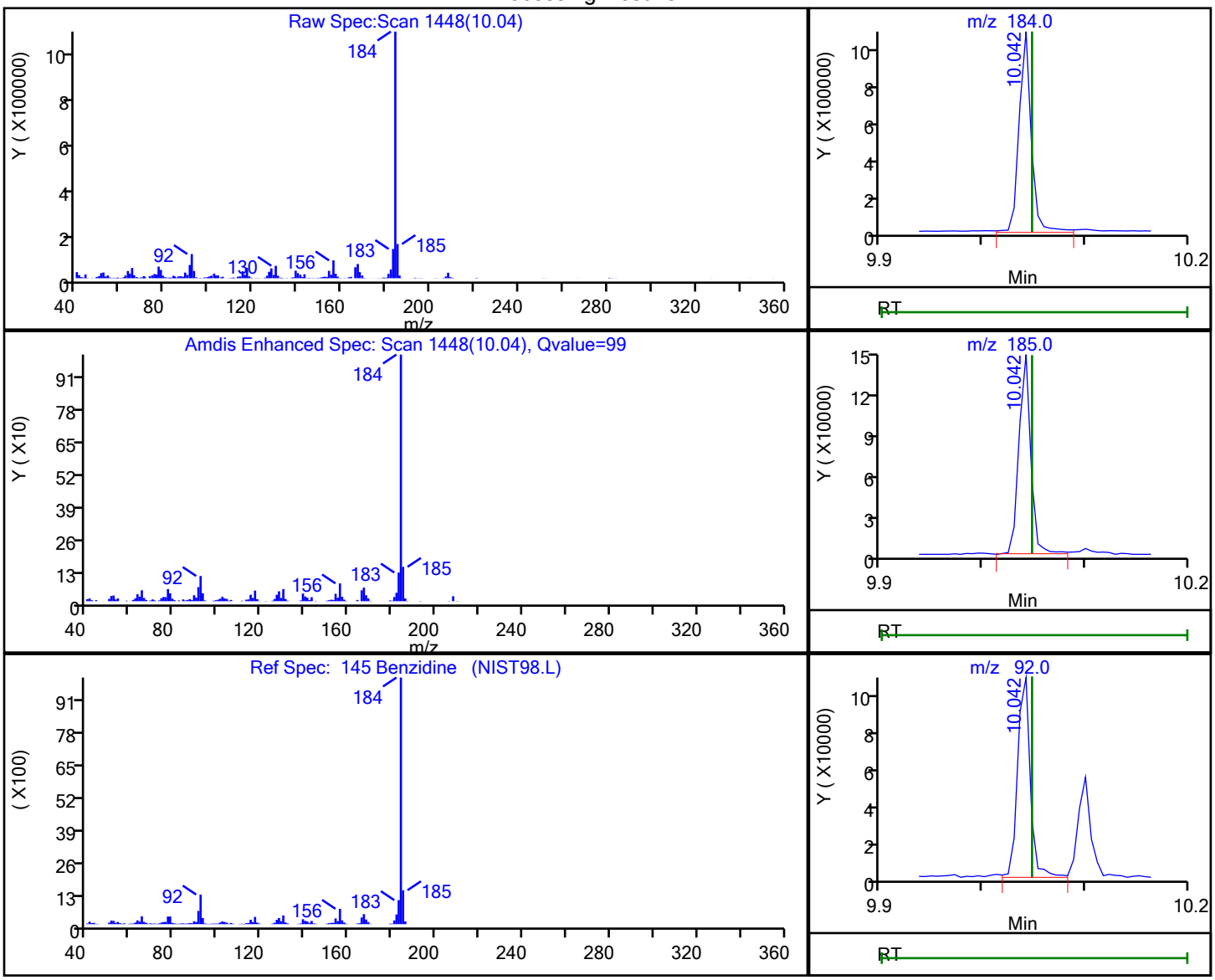
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D				
Injection Date:	14-Apr-2025 15:15:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

145 Benzidine, CAS: 92-87-5

Processing Results



RT	Mass	Response	Amount
10.04	184.00	827481	9.708559
10.04	185.00	114857	
10.04	92.00	86527	

Reviewer: N5QU, 14-Apr-2025 18:42:37 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

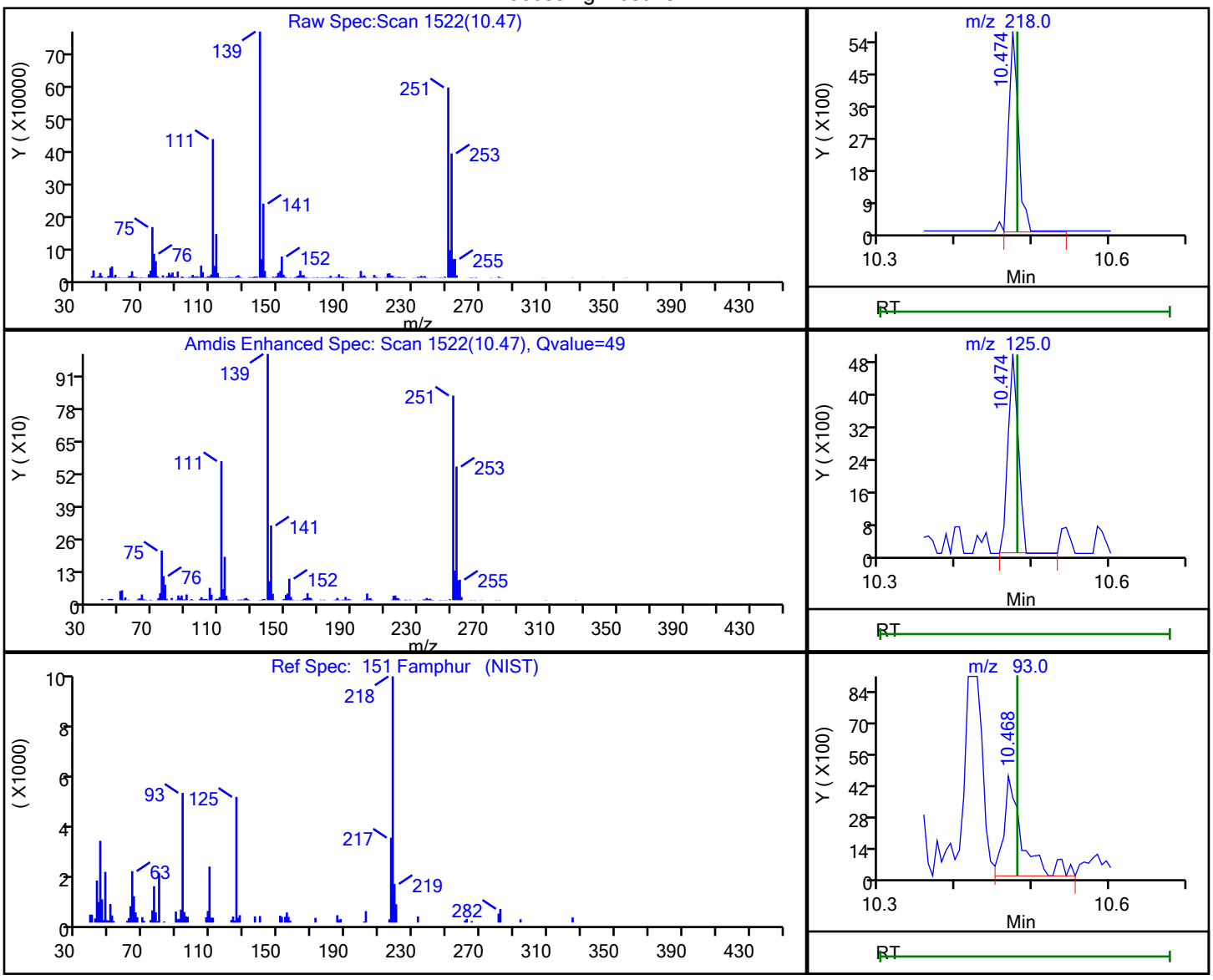
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D				
Injection Date:	14-Apr-2025 15:15:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Famphur, CAS: 52-85-7

Processing Results



RT	Mass	Response	Amount
10.47	218.00	4864	14.263283
10.47	125.00	4633	
10.47	93.00	7531	

Reviewer: N5QU, 14-Apr-2025 18:46:41 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

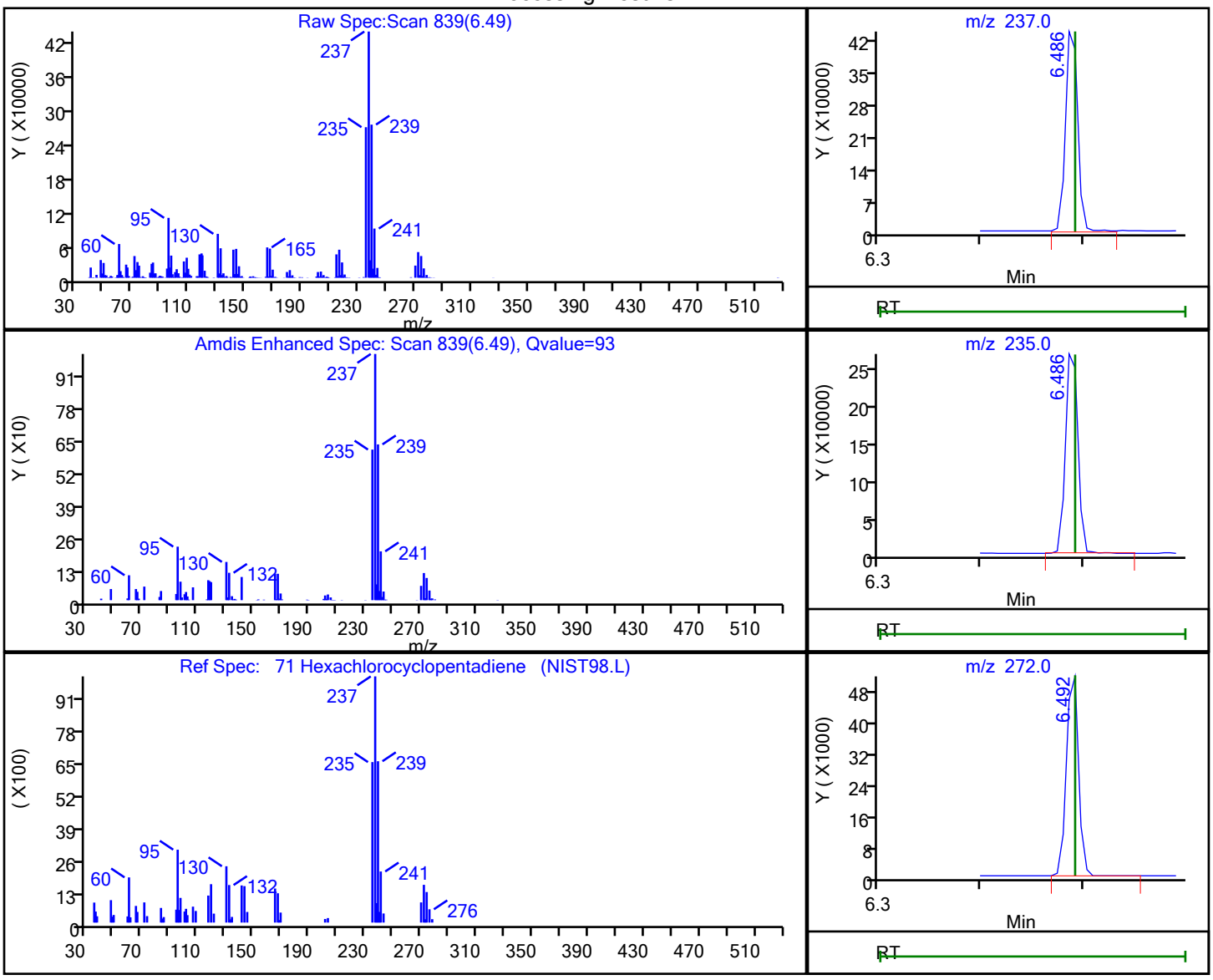
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D				
Injection Date:	14-Apr-2025 15:15:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

71 Hexachlorocyclopentadiene, CAS: 77-47-4

Processing Results



RT	Mass	Response	Amount
6.49	237.00	362495	9.421801
6.49	235.00	228841	
6.49	272.00	42758	

Reviewer: N5QU, 14-Apr-2025 18:41:34 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

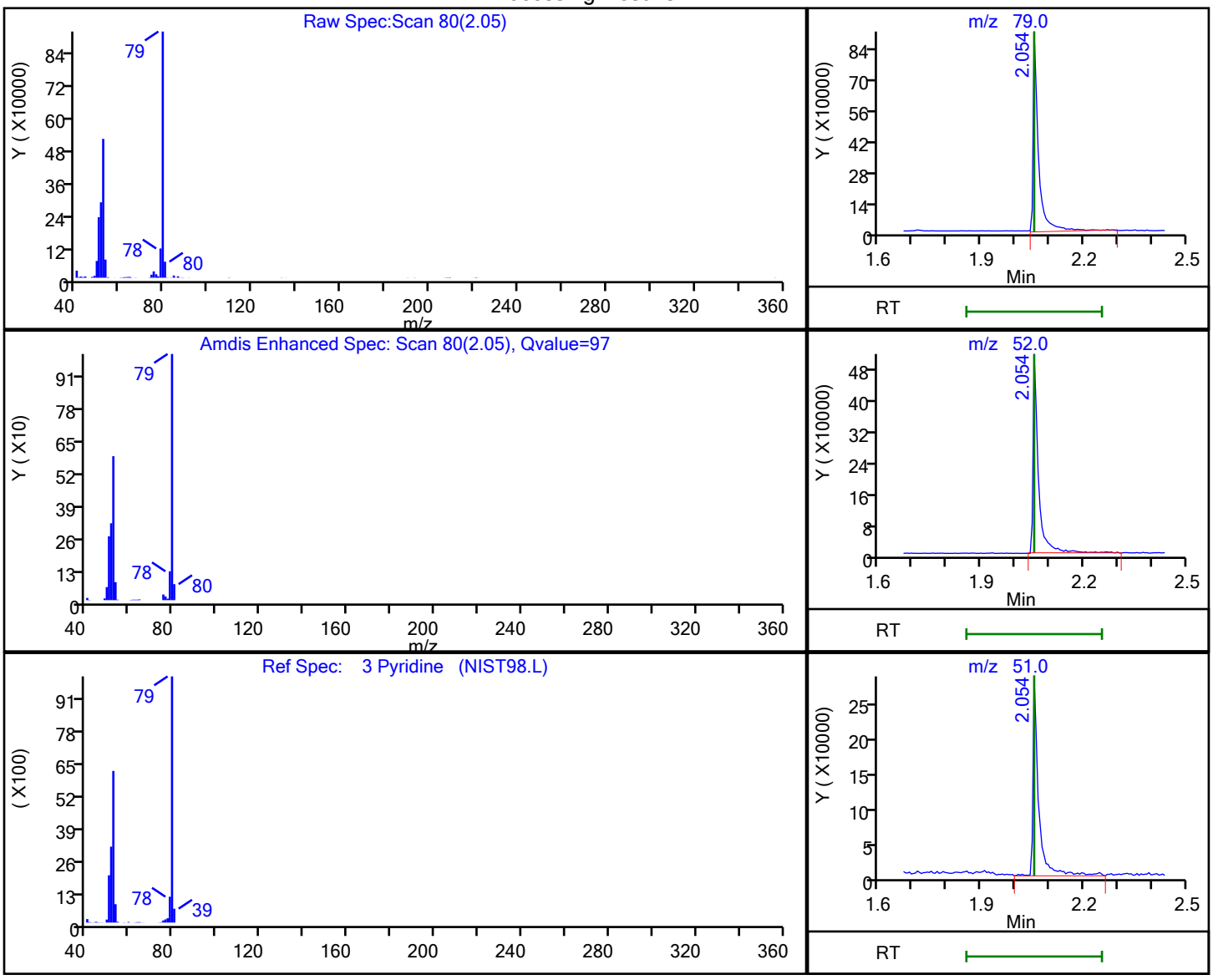
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D				
Injection Date:	14-Apr-2025 15:15:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

3 Pyridine, CAS: 110-86-1

Processing Results



RT	Mass	Response	Amount
2.05	79.00	1006715	18.093742
2.05	52.00	584584	
2.05	51.00	327192	

Reviewer: N5QU, 14-Apr-2025 20:17:53 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-641051/12 Calibration Date: 05/08/2025 03:22

Instrument ID: HP23264 Calib Start Date: 03/11/2025 21:15

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/11/2025 23:27

Lab File ID: JE0761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzoic acid	Ave	0.3569				12.5		
Indene	Ave	2.650				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 08-May-2025 03:22:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0146504-012
Operator ID: IR93211 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:33:32 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 07:53:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.696	1.695	0.001	92	254807	12.5	11.0	
2 N-Nitrosodimethylamine	74	1.923	1.929	-0.006	91	446744	12.5	11.7	
3 Pyridine	79	1.964	1.970	-0.006	96	1415793	25.0	22.7	
4 Dimethylformamide	73	2.268	2.291	-0.023	94	494036	12.5	11.7	
5 2-Picoline	93	2.560	2.565	-0.005	89	693658	12.5	12.2	
6 N-Nitrosomethylethylamine	88	2.642	2.641	0.001	94	314101	12.5	12.3	
7 Methyl methanesulfonate	80	2.916	2.916	0.000	89	574814	12.5	14.3	
11 N-Nitrosodiethylamine	102	3.290	3.290	0.000	93	312873	12.5	13.7	
12 Ethyl methanesulfonate	109	3.582	3.587	-0.005	94	306447	12.5	12.5	
13 Benzaldehyde	77	3.909	3.914	-0.005	88	668917	12.5	12.3	
16 Phenol	94	3.984	3.990	-0.006	90	922325	12.5	12.6	
17 Aniline	93	4.014	4.014	0.000	94	1009401	12.5	12.5	
18 Bis(2-chloroethyl)ether	93	4.072	4.072	0.000	91	585919	12.5	11.0	
19 2-Chlorophenol	128	4.125	4.124	0.001	89	519425	12.5	12.3	
21 1,3-Dichlorobenzene	146	4.271	4.270	0.001	90	588427	12.5	12.4	
* 22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	93	156224	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.347	4.346	0.000	87	579161	12.5	11.6	
26 Benzyl alcohol	108	4.463	4.463	0.000	85	412407	12.5	12.1	
27 1,2-Dichlorobenzene	146	4.487	4.492	-0.005	89	560214	12.5	12.2	
29 2-Methylphenol	108	4.574	4.574	0.000	95	584714	12.5	12.6	
30 2,2'-oxybis[1-chloropropane]	45	4.592	4.592	0.000	83	635858	12.5	10.5	
28 Indene	115		4.617				ND	ND	
31 N-Nitrosopyrrolidine	100	4.703	4.697	0.006	89	370466	12.5	13.3	
32 Acetophenone	105	4.720	4.720	0.000	82	1043214	12.5	12.8	
33 N-Nitrosodi-n-propylamine	70	4.720	4.720	0.000	67	616009	12.5	12.4	
34 4-Methylphenol	108	4.726	4.726	0.000	88	695133	12.5	13.3	
35 N-Nitrosomorpholine	56	4.738	4.738	0.000	83	492054	12.5	13.2	
36 2-Toluidine	106	4.749	4.755	-0.006	94	1042850	12.5	13.3	
37 Hexachloroethane	117	4.814	4.814	0.000	91	277082	12.5	11.2	
40 Nitrobenzene	77	4.884	4.884	0.000	87	904234	12.5	11.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
41 N-Nitrosopiperidine	114	5.030	5.030	0.000	79	296212	12.5	11.8	
42 Isophorone	82	5.111	5.111	0.000	95	1471796	12.5	10.9	
43 2-Nitrophenol	139	5.187	5.187	0.000	79	290842	12.5	11.2	
44 2,4-Dimethylphenol	107	5.234	5.234	0.000	96	724139	12.5	12.0	
46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	88	274892	12.5	12.4	
47 Bis(2-chloroethoxy)methane	93	5.327	5.327	0.000	95	813459	12.5	11.7	
48 Benzoic acid	105		5.359				12.5	ND	7
49 2,4-Dichlorophenol	162	5.421	5.421	0.000	94	472177	12.5	12.4	
50 1,2,4-Trichlorobenzene	180	5.497	5.497	0.000	90	529145	12.5	12.1	
* 52 Naphthalene-d8	136	5.549	5.549	0.000	99	632334	5.00	5.00	
53 Naphthalene	128	5.573	5.573	0.000	99	1572383	12.5	11.7	
56 4-Chloroaniline	127	5.631	5.631	0.000	91	694100	12.5	12.2	
57 2,6-Dichlorophenol	162	5.637	5.637	0.000	89	464676	12.5	11.9	
58 Hexachloropropene	213	5.654	5.654	0.000	96	454401	12.5	12.6	
59 Hexachlorobutadiene	225	5.689	5.695	-0.006	94	347361	12.5	12.1	
61 Quinoline	129	5.894	5.894	0.000	92	1098590	12.5	12.9	
63 N-Nitrosodi-n-butylamine	84	5.958	5.958	0.000	89	709172	12.5	11.5	
62 Caprolactam	113	5.964	5.958	0.006	73	171845	12.5	12.2	
64 p-Phenylene diamine	108		5.975				ND	ND	U
65 4-Chloro-3-methylphenol	107	6.104	6.104	0.000	88	618650	12.5	11.5	
66 Safrole, Total	162	6.157	6.162	-0.005	72	424859	12.5	12.1	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	88	1038356	12.5	13.2	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	89	954390	12.5	11.8	
71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	96	441379	12.5	11.7	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	97	558567	12.5	12.8	
72 Isosafrole Peak 1	162	6.437	6.443	-0.006	70	57582	1.50	1.66	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	90	347042	12.5	13.0	
80 2,4,5-Trichlorophenol	196	6.548	6.548	0.000	88	406599	12.5	13.2	
82 Isosafrole Peak 2	162	6.653	6.653	0.000	78	482321	11.0	12.2	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	97	1337388	12.5	12.1	
84 2-Chloronaphthalene	162	6.700	6.700	0.000	96	1077506	12.5	13.7	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	96	1068113	12.5	14.3	
86 Phenyl ether	170	6.787	6.787	0.000	83	683319	12.5	12.1	
87 2-Nitroaniline	138	6.805	6.805	0.000	73	375955	12.5	13.2	
88 1,4-Naphthoquinone	158	6.875	6.875	0.000	69	495646	12.5	14.7	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	84	174843	12.5	14.5	
90 Dimethyl phthalate	163	6.986	6.986	0.000	94	1317887	12.5	12.9	
91 1,3-Dinitrobenzene	168	7.009	7.009	0.000	75	188166	12.5	13.0	
92 2,6-Dinitrotoluene	165	7.038	7.038	0.000	77	294092	12.5	14.2	
93 Acenaphthylene	152	7.097	7.097	0.000	99	1696662	12.5	13.5	
95 3-Nitroaniline	138	7.196	7.196	0.000	81	333036	12.5	14.1	
* 96 Acenaphthene-d10	164	7.231	7.225	0.006	94	344580	5.00	5.00	
97 Acenaphthene	153	7.260	7.260	0.000	97	1094191	12.5	12.3	
98 2,4-Dinitrophenol	184	7.301	7.295	0.006	75	388713	25.0	27.8	
100 4-Nitrophenol	109	7.377	7.371	0.006	80	729313	25.0	29.7	
99 Pentachlorobenzene	250	7.383	7.383	0.000	95	528274	12.5	13.5	
102 2,4-Dinitrotoluene	165	7.424	7.424	0.000	76	404321	12.5	13.6	
101 Dibenzofuran	168	7.424	7.424	0.000	93	1527130	12.5	13.2	
104 1-Naphthylamine	143	7.505	7.505	0.000	94	1053753	12.5	13.3	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	77	360517	12.5	13.0	
106 2-Naphthylamine	143	7.581	7.581	0.000	93	1196212	12.5	14.3	
107 Diethyl phthalate	149	7.663	7.657	0.006	95	1389548	12.5	13.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
109 Thionazin	107	7.733	7.733	0.000	74	259354	12.5	13.8	
108 Fluorene	166	7.751	7.751	0.000	94	1217628	12.5	12.7	
110 4-Chlorophenyl phenyl ether	204	7.757	7.756	0.000	92	583200	12.5	12.9	
111 N-Nitro-o-toluidine	152	7.768	7.768	0.000	82	357331	12.5	13.4	
112 4-Nitroaniline	138	7.780	7.774	0.006	71	337755	12.5	14.0	
113 4,6-Dinitro-2-methylphenol	198	7.809	7.803	0.006	65	495452	25.0	25.3	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	65	864142	10.6	10.6	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	99	1960932	12.5	12.3	
117 Sulfotepp	97	8.031	8.031	0.000	77	374713	12.5	13.0	
118 1,3,5-Trinitrobenzene	213	8.136	8.136	0.000	80	132023	12.5	14.8	
120 cis-Diallate	86	8.148	8.148	0.000	85	527224	9.38	9.94	
119 Phorate	75	8.159	8.159	0.000	92	1134193	12.5	10.5	
121 Phenacetin	108	8.177	8.171	0.006	87	954935	12.5	13.6	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	72	391820	12.5	13.5	
123 trans-Diallate	86	8.235	8.235	0.000	89	181920	3.13	3.08	
124 Hexachlorobenzene	284	8.270	8.270	0.000	92	455334	12.5	12.2	
125 Dimethoate	87	8.323	8.317	0.006	92	702919	12.5	12.8	
126 Atrazine	200	8.393	8.387	0.006	87	378917	12.5	12.0	
127 Pentachlorophenol	266	8.463	8.463	0.000	89	613246	25.0	25.0	
129 4-Aminobiphenyl	169	8.469	8.469	0.000	92	1457025	12.5	12.7	
128 Pentachloronitrobenzene	237	8.469	8.469	0.000	71	270651	12.5	13.7	
130 Pronamide	173	8.533	8.533	0.000	89	658468	12.5	12.9	
* 131 Phenanthrene-d10	188	8.644	8.638	0.006	97	692881	5.00	5.00	
133 Dinoseb	211	8.644	8.644	0.000	89	351844	12.5	14.2	
134 Disulfoton	88	8.656	8.656	0.000	96	1073891	12.5	12.6	
132 Phenanthrene	178	8.662	8.661	0.001	99	1903229	12.5	12.4	
135 Anthracene	178	8.714	8.714	0.000	98	1965401	12.5	12.7	
136 Carbazole	167	8.872	8.872	0.000	97	1776606	12.5	13.0	
137 Methyl parathion	109	9.012	9.012	0.000	88	651184	12.5	14.7	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	2446459	12.5	13.1	
139 Ethyl Parathion	109	9.386	9.385	0.001	80	399526	12.5	14.1	
140 4-Nitroquinoline-1-oxide	190	9.409	9.409	0.000	84	207779	12.5	14.8	
142 Octachlorostyrene	308	9.613	9.613	0.000	90	213379	12.5	12.0	
143 Isodrin	193	9.648	9.648	0.000	88	252108	12.5	13.1	
S 68 Diallate	86				0		12.5	13.0	
144 Fluoranthene	202	9.794	9.794	0.000	98	2209284	12.5	13.2	
145 Benzidine	184	9.940	9.940	0.000	99	1951532	12.5	16.5	
* 146 Pyrene-d10 (IS)	212	9.993	9.987	0.006	98	735873	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	2299052	12.5	12.3	
200 Aramite Peak 1	185	10.244	10.229	0.015	0	165277	1.25	23.5	
192 Aramite Peak 2	185	10.244	10.246	-0.002	0	165277	1.25	28.5	
185 Aramite Peak 3	185	10.244	10.293	-0.049	0	165277	5.00	10.2	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	89	387537	12.5	14.3	
150 Chlorobenzilate	139	10.361	10.361	0.000	80	888905	12.5	14.0	
180 Aramite Peak 4	185	10.244	10.369	-0.125	0	165277	5.00	9.24	
151 Famphur	218		10.618				ND	ND	U
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	99	1195664	12.5	13.6	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	92	1121712	12.5	12.8	
155 2-Acetylaminofluorene	181	10.933	10.933	0.000	90	903618	12.5	14.0	
S 94 Isosafrole	162				0		12.5	13.9	
157 3,3'-Dichlorobenzidine	252	11.266	11.260	0.006	76	1227056	12.5	17.6	
158 4,4'-Methylene bis(2-chloroani	231	11.272	11.271	0.001	68	455311	12.5	13.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
156 Benzo[a]anthracene	228	11.272	11.271	0.001	98	2144307	12.5	12.9	
159 Chrysene	228	11.312	11.312	0.000	97	1976065	12.5	12.7	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	95	1587566	12.5	13.0	
S 103 Aramite, Total	185				0		12.5	71.4	
161 6-Methylchrysene	242	11.879	11.873	0.006	97	1437801	12.5	13.5	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	99	2821086	12.5	13.2	
164 Benzo[b]fluoranthene	252	12.655	12.655	0.000	96	2252469	12.5	12.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.655	12.655	0.000	72	933292	12.5	13.9	
165 Benzo[k]fluoranthene	252	12.696	12.696	0.000	99	2174197	12.5	12.2	
166 Benzo[a]pyrene	252	13.111	13.105	0.006	78	2137463	12.5	11.7	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	757750	5.00	5.00	
168 3-Methylcholanthrene	268	13.625	13.625	0.000	91	1036043	12.5	12.7	
169 Dibenz[a,h]acridine	279	14.413	14.413	0.000	91	1941595	12.5	15.1	
170 Dibenz[a,j]acridine	279	14.483	14.483	0.000	96	1865508	12.5	12.6	
171 Indeno[1,2,3-cd]pyrene	276	14.705	14.705	0.000	99	2010726	12.5	11.7	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	92	2070961	12.5	12.6	
173 Benzo[g,h,i]perylene	276	15.067	15.061	0.006	98	2182310	12.5	13.0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

Report Date: 08-May-2025 09:48:46 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D

Injection Date: 08-May-2025 03:22:30 Instrument ID: HP23264 Operator ID: IR93211

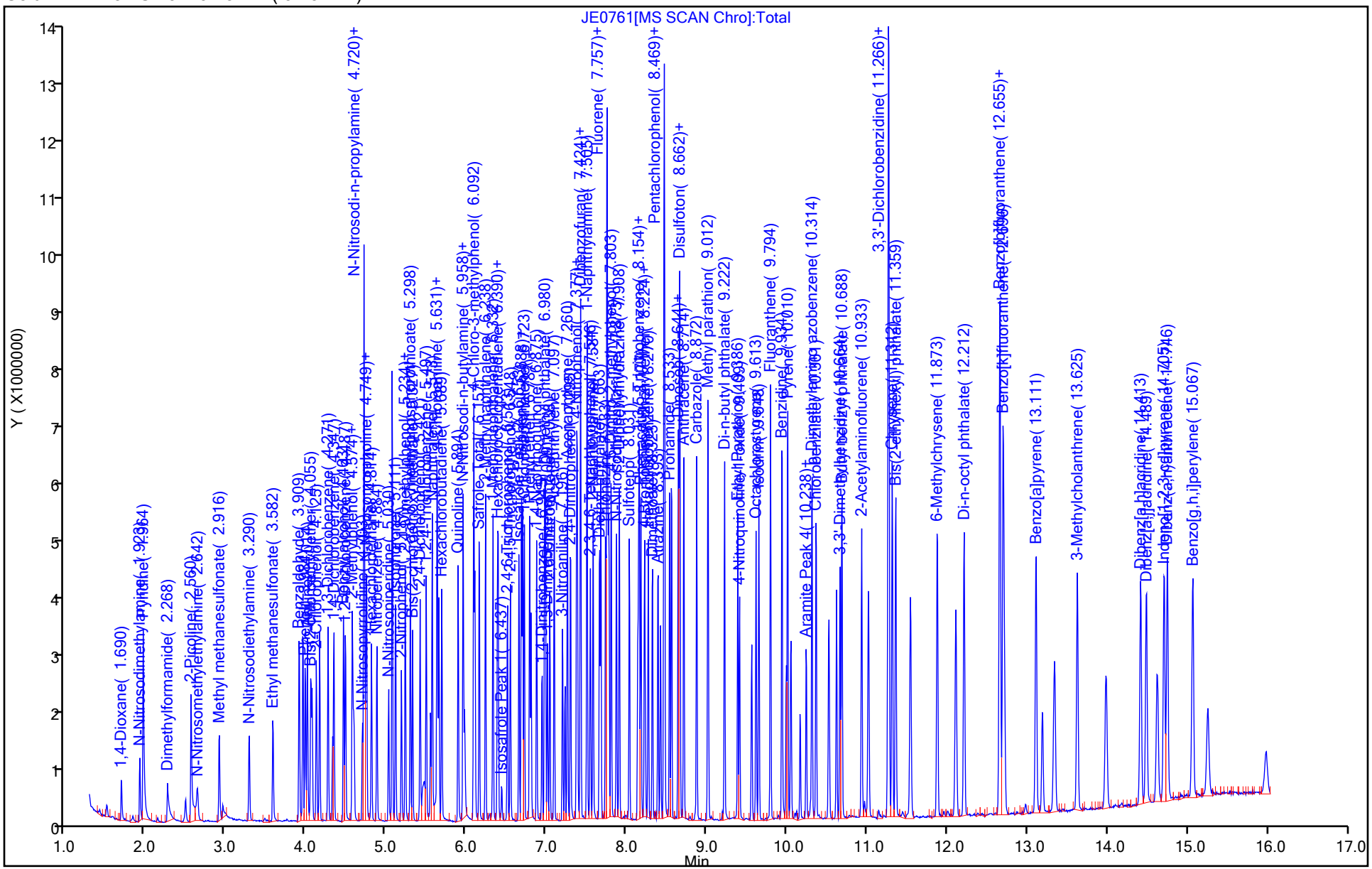
Lims ID: ICV FULL Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-641051/12 Calibration Date: 05/08/2025 03:22

Instrument ID: HP23264 Calib Start Date: 03/13/2025 09:15

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/13/2025 09:15

Lab File ID: JE0761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Aramite Peak 1	Ave	0.0478	0.8984		23.5	1.25	1779.9*	30.0
Aramite Peak 2	Ave	0.0394	0.8984		28.5	1.25	2177.6*	30.0
Aramite Peak 3	Ave	0.1103	0.2246		10.2	5.00	103.5*	30.0
Aramite Peak 4	Ave	0.1215	0.2246		9.24	5.00	84.9*	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 08-May-2025 03:22:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0146504-012
Operator ID: IR93211 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:33:32 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 07:53:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.696	1.695	0.001	92	254807	12.5	11.0	
2 N-Nitrosodimethylamine	74	1.923	1.929	-0.006	91	446744	12.5	11.7	
3 Pyridine	79	1.964	1.970	-0.006	96	1415793	25.0	22.7	
4 Dimethylformamide	73	2.268	2.291	-0.023	94	494036	12.5	11.7	
5 2-Picoline	93	2.560	2.565	-0.005	89	693658	12.5	12.2	
6 N-Nitrosomethylethylamine	88	2.642	2.641	0.001	94	314101	12.5	12.3	
7 Methyl methanesulfonate	80	2.916	2.916	0.000	89	574814	12.5	14.3	
11 N-Nitrosodiethylamine	102	3.290	3.290	0.000	93	312873	12.5	13.7	
12 Ethyl methanesulfonate	109	3.582	3.587	-0.005	94	306447	12.5	12.5	
13 Benzaldehyde	77	3.909	3.914	-0.005	88	668917	12.5	12.3	
16 Phenol	94	3.984	3.990	-0.006	90	922325	12.5	12.6	
17 Aniline	93	4.014	4.014	0.000	94	1009401	12.5	12.5	
18 Bis(2-chloroethyl)ether	93	4.072	4.072	0.000	91	585919	12.5	11.0	
19 2-Chlorophenol	128	4.125	4.124	0.001	89	519425	12.5	12.3	
21 1,3-Dichlorobenzene	146	4.271	4.270	0.001	90	588427	12.5	12.4	
* 22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	93	156224	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.347	4.346	0.000	87	579161	12.5	11.6	
26 Benzyl alcohol	108	4.463	4.463	0.000	85	412407	12.5	12.1	
27 1,2-Dichlorobenzene	146	4.487	4.492	-0.005	89	560214	12.5	12.2	
29 2-Methylphenol	108	4.574	4.574	0.000	95	584714	12.5	12.6	
30 2,2'-oxybis[1-chloropropane]	45	4.592	4.592	0.000	83	635858	12.5	10.5	
28 Indene	115		4.617				ND	ND	
31 N-Nitrosopyrrolidine	100	4.703	4.697	0.006	89	370466	12.5	13.3	
32 Acetophenone	105	4.720	4.720	0.000	82	1043214	12.5	12.8	
33 N-Nitrosodi-n-propylamine	70	4.720	4.720	0.000	67	616009	12.5	12.4	
34 4-Methylphenol	108	4.726	4.726	0.000	88	695133	12.5	13.3	
35 N-Nitrosomorpholine	56	4.738	4.738	0.000	83	492054	12.5	13.2	
36 2-Toluidine	106	4.749	4.755	-0.006	94	1042850	12.5	13.3	
37 Hexachloroethane	117	4.814	4.814	0.000	91	277082	12.5	11.2	
40 Nitrobenzene	77	4.884	4.884	0.000	87	904234	12.5	11.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
41 N-Nitrosopiperidine	114	5.030	5.030	0.000	79	296212	12.5	11.8	
42 Isophorone	82	5.111	5.111	0.000	95	1471796	12.5	10.9	
43 2-Nitrophenol	139	5.187	5.187	0.000	79	290842	12.5	11.2	
44 2,4-Dimethylphenol	107	5.234	5.234	0.000	96	724139	12.5	12.0	
46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	88	274892	12.5	12.4	
47 Bis(2-chloroethoxy)methane	93	5.327	5.327	0.000	95	813459	12.5	11.7	
48 Benzoic acid	105		5.359				12.5	ND	7
49 2,4-Dichlorophenol	162	5.421	5.421	0.000	94	472177	12.5	12.4	
50 1,2,4-Trichlorobenzene	180	5.497	5.497	0.000	90	529145	12.5	12.1	
* 52 Naphthalene-d8	136	5.549	5.549	0.000	99	632334	5.00	5.00	
53 Naphthalene	128	5.573	5.573	0.000	99	1572383	12.5	11.7	
56 4-Chloroaniline	127	5.631	5.631	0.000	91	694100	12.5	12.2	
57 2,6-Dichlorophenol	162	5.637	5.637	0.000	89	464676	12.5	11.9	
58 Hexachloropropene	213	5.654	5.654	0.000	96	454401	12.5	12.6	
59 Hexachlorobutadiene	225	5.689	5.695	-0.006	94	347361	12.5	12.1	
61 Quinoline	129	5.894	5.894	0.000	92	1098590	12.5	12.9	
63 N-Nitrosodi-n-butylamine	84	5.958	5.958	0.000	89	709172	12.5	11.5	
62 Caprolactam	113	5.964	5.958	0.006	73	171845	12.5	12.2	
64 p-Phenylene diamine	108		5.975				ND	ND	U
65 4-Chloro-3-methylphenol	107	6.104	6.104	0.000	88	618650	12.5	11.5	
66 Safrole, Total	162	6.157	6.162	-0.005	72	424859	12.5	12.1	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	88	1038356	12.5	13.2	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	89	954390	12.5	11.8	
71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	96	441379	12.5	11.7	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	97	558567	12.5	12.8	
72 Isosafrole Peak 1	162	6.437	6.443	-0.006	70	57582	1.50	1.66	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	90	347042	12.5	13.0	
80 2,4,5-Trichlorophenol	196	6.548	6.548	0.000	88	406599	12.5	13.2	
82 Isosafrole Peak 2	162	6.653	6.653	0.000	78	482321	11.0	12.2	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	97	1337388	12.5	12.1	
84 2-Chloronaphthalene	162	6.700	6.700	0.000	96	1077506	12.5	13.7	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	96	1068113	12.5	14.3	
86 Phenyl ether	170	6.787	6.787	0.000	83	683319	12.5	12.1	
87 2-Nitroaniline	138	6.805	6.805	0.000	73	375955	12.5	13.2	
88 1,4-Naphthoquinone	158	6.875	6.875	0.000	69	495646	12.5	14.7	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	84	174843	12.5	14.5	
90 Dimethyl phthalate	163	6.986	6.986	0.000	94	1317887	12.5	12.9	
91 1,3-Dinitrobenzene	168	7.009	7.009	0.000	75	188166	12.5	13.0	
92 2,6-Dinitrotoluene	165	7.038	7.038	0.000	77	294092	12.5	14.2	
93 Acenaphthylene	152	7.097	7.097	0.000	99	1696662	12.5	13.5	
95 3-Nitroaniline	138	7.196	7.196	0.000	81	333036	12.5	14.1	
* 96 Acenaphthene-d10	164	7.231	7.225	0.006	94	344580	5.00	5.00	
97 Acenaphthene	153	7.260	7.260	0.000	97	1094191	12.5	12.3	
98 2,4-Dinitrophenol	184	7.301	7.295	0.006	75	388713	25.0	27.8	
100 4-Nitrophenol	109	7.377	7.371	0.006	80	729313	25.0	29.7	
99 Pentachlorobenzene	250	7.383	7.383	0.000	95	528274	12.5	13.5	
102 2,4-Dinitrotoluene	165	7.424	7.424	0.000	76	404321	12.5	13.6	
101 Dibenzofuran	168	7.424	7.424	0.000	93	1527130	12.5	13.2	
104 1-Naphthylamine	143	7.505	7.505	0.000	94	1053753	12.5	13.3	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	77	360517	12.5	13.0	
106 2-Naphthylamine	143	7.581	7.581	0.000	93	1196212	12.5	14.3	
107 Diethyl phthalate	149	7.663	7.657	0.006	95	1389548	12.5	13.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
109 Thionazin	107	7.733	7.733	0.000	74	259354	12.5	13.8	
108 Fluorene	166	7.751	7.751	0.000	94	1217628	12.5	12.7	
110 4-Chlorophenyl phenyl ether	204	7.757	7.756	0.000	92	583200	12.5	12.9	
111 N-Nitro-o-toluidine	152	7.768	7.768	0.000	82	357331	12.5	13.4	
112 4-Nitroaniline	138	7.780	7.774	0.006	71	337755	12.5	14.0	
113 4,6-Dinitro-2-methylphenol	198	7.809	7.803	0.006	65	495452	25.0	25.3	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	65	864142	10.6	10.6	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	99	1960932	12.5	12.3	
117 Sulfotepp	97	8.031	8.031	0.000	77	374713	12.5	13.0	
118 1,3,5-Trinitrobenzene	213	8.136	8.136	0.000	80	132023	12.5	14.8	
120 cis-Diallate	86	8.148	8.148	0.000	85	527224	9.38	9.94	
119 Phorate	75	8.159	8.159	0.000	92	1134193	12.5	10.5	
121 Phenacetin	108	8.177	8.171	0.006	87	954935	12.5	13.6	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	72	391820	12.5	13.5	
123 trans-Diallate	86	8.235	8.235	0.000	89	181920	3.13	3.08	
124 Hexachlorobenzene	284	8.270	8.270	0.000	92	455334	12.5	12.2	
125 Dimethoate	87	8.323	8.317	0.006	92	702919	12.5	12.8	
126 Atrazine	200	8.393	8.387	0.006	87	378917	12.5	12.0	
127 Pentachlorophenol	266	8.463	8.463	0.000	89	613246	25.0	25.0	
129 4-Aminobiphenyl	169	8.469	8.469	0.000	92	1457025	12.5	12.7	
128 Pentachloronitrobenzene	237	8.469	8.469	0.000	71	270651	12.5	13.7	
130 Pronamide	173	8.533	8.533	0.000	89	658468	12.5	12.9	
* 131 Phenanthrene-d10	188	8.644	8.638	0.006	97	692881	5.00	5.00	
133 Dinoseb	211	8.644	8.644	0.000	89	351844	12.5	14.2	
134 Disulfoton	88	8.656	8.656	0.000	96	1073891	12.5	12.6	
132 Phenanthrene	178	8.662	8.661	0.001	99	1903229	12.5	12.4	
135 Anthracene	178	8.714	8.714	0.000	98	1965401	12.5	12.7	
136 Carbazole	167	8.872	8.872	0.000	97	1776606	12.5	13.0	
137 Methyl parathion	109	9.012	9.012	0.000	88	651184	12.5	14.7	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	2446459	12.5	13.1	
139 Ethyl Parathion	109	9.386	9.385	0.001	80	399526	12.5	14.1	
140 4-Nitroquinoline-1-oxide	190	9.409	9.409	0.000	84	207779	12.5	14.8	
142 Octachlorostyrene	308	9.613	9.613	0.000	90	213379	12.5	12.0	
143 Isodrin	193	9.648	9.648	0.000	88	252108	12.5	13.1	
S 68 Diallate	86				0		12.5	13.0	
144 Fluoranthene	202	9.794	9.794	0.000	98	2209284	12.5	13.2	
145 Benzidine	184	9.940	9.940	0.000	99	1951532	12.5	16.5	
* 146 Pyrene-d10 (IS)	212	9.993	9.987	0.006	98	735873	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	2299052	12.5	12.3	
200 Aramite Peak 1	185	10.244	10.229	0.015	0	165277	1.25	23.5	
192 Aramite Peak 2	185	10.244	10.246	-0.002	0	165277	1.25	28.5	
185 Aramite Peak 3	185	10.244	10.293	-0.049	0	165277	5.00	10.2	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	89	387537	12.5	14.3	
150 Chlorobenzilate	139	10.361	10.361	0.000	80	888905	12.5	14.0	
180 Aramite Peak 4	185	10.244	10.369	-0.125	0	165277	5.00	9.24	
151 Famphur	218		10.618				ND	ND	U
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	99	1195664	12.5	13.6	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	92	1121712	12.5	12.8	
155 2-Acetylaminofluorene	181	10.933	10.933	0.000	90	903618	12.5	14.0	
S 94 Isosafrole	162				0		12.5	13.9	
157 3,3'-Dichlorobenzidine	252	11.266	11.260	0.006	76	1227056	12.5	17.6	
158 4,4'-Methylene bis(2-chloroani	231	11.272	11.271	0.001	68	455311	12.5	13.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
156 Benzo[a]anthracene	228	11.272	11.271	0.001	98	2144307	12.5	12.9	
159 Chrysene	228	11.312	11.312	0.000	97	1976065	12.5	12.7	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	95	1587566	12.5	13.0	
S 103 Aramite, Total	185				0		12.5	71.4	
161 6-Methylchrysene	242	11.879	11.873	0.006	97	1437801	12.5	13.5	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	99	2821086	12.5	13.2	
164 Benzo[b]fluoranthene	252	12.655	12.655	0.000	96	2252469	12.5	12.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.655	12.655	0.000	72	933292	12.5	13.9	
165 Benzo[k]fluoranthene	252	12.696	12.696	0.000	99	2174197	12.5	12.2	
166 Benzo[a]pyrene	252	13.111	13.105	0.006	78	2137463	12.5	11.7	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	757750	5.00	5.00	
168 3-Methylcholanthrene	268	13.625	13.625	0.000	91	1036043	12.5	12.7	
169 Dibenz[a,h]acridine	279	14.413	14.413	0.000	91	1941595	12.5	15.1	
170 Dibenz[a,j]acridine	279	14.483	14.483	0.000	96	1865508	12.5	12.6	
171 Indeno[1,2,3-cd]pyrene	276	14.705	14.705	0.000	99	2010726	12.5	11.7	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	92	2070961	12.5	12.6	
173 Benzo[g,h,i]perylene	276	15.067	15.061	0.006	98	2182310	12.5	13.0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

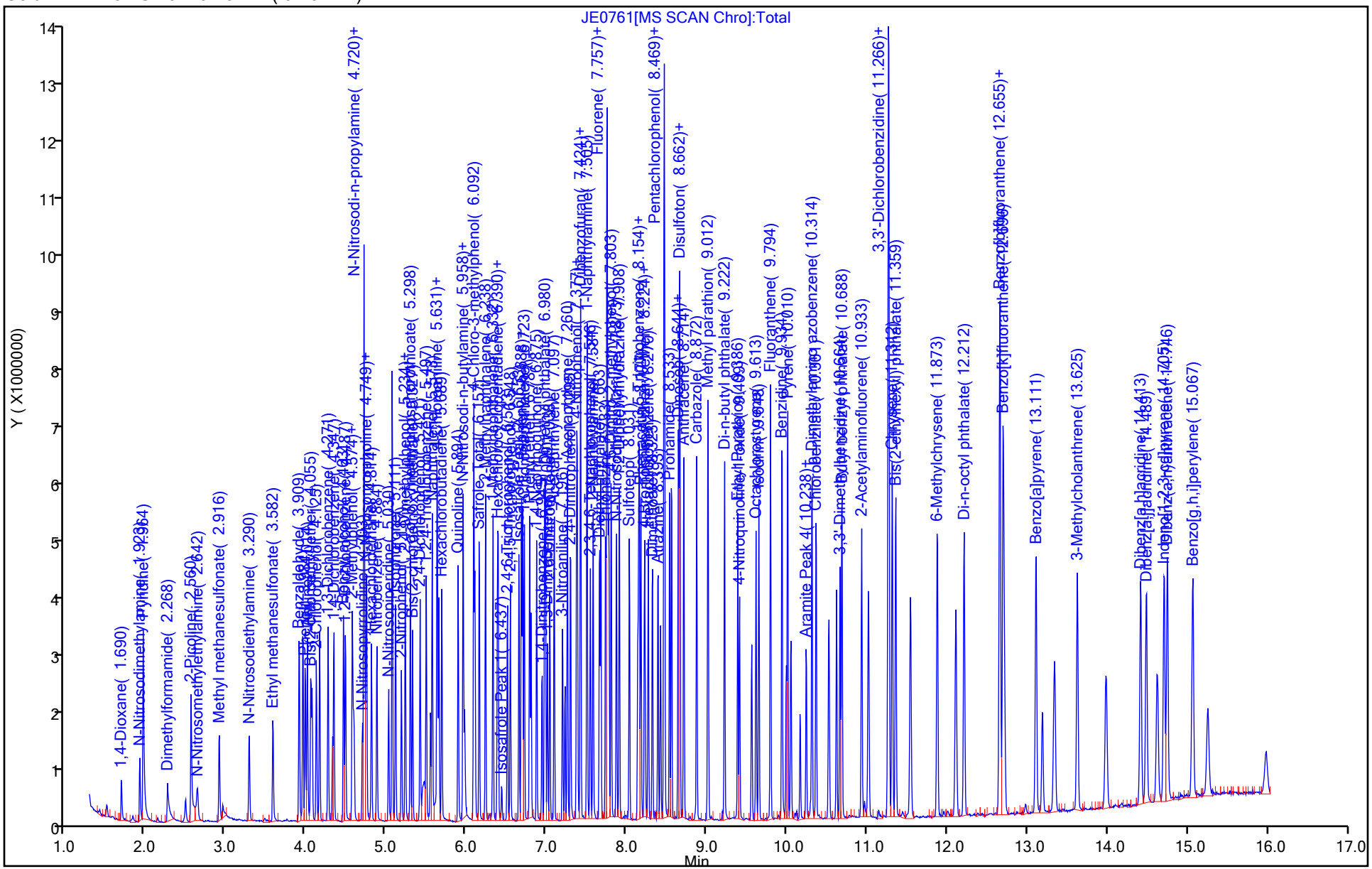
Report Date: 08-May-2025 09:48:46 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D

Injection Date:	08-May-2025 03:22:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-641051/12 Calibration Date: 05/08/2025 03:22

Instrument ID: HP23264 Calib Start Date: 05/07/2025 23:49

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/08/2025 02:18

Lab File ID: JE0761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7420	0.6524		11.0	12.5	-12.1	30.0
N-Nitrosodimethylamine	Ave	1.219	1.144		11.7	12.5	-6.1	30.0
Pyridine	Ave	1.992	1.813		22.8	25.0	-9.0	30.0
N,N-dimethylformamide	Ave	1.356	1.265		11.7	12.5	-6.7	30.0
2-Picoline	Ave	1.819	1.776		12.2	12.5	-2.3	30.0
N-Nitrosomethylethylamine	Ave	0.8163	0.8042		12.3	12.5	-1.5	30.0
Methyl methanesulfonate	Ave	1.291	1.472		14.3	12.5	14.0	30.0
N-Nitrosodiethylamine	Ave	0.7332	0.8011		13.7	12.5	9.3	30.0
Ethyl methanesulfonate	Ave	0.7822	0.7846		12.5	12.5	0.3	30.0
Benzaldehyde	Ave	1.744	1.713	0.0100	12.3	12.5	-1.8	30.0
Phenol	Ave	2.334	2.362	0.8000	12.7	12.5	1.2	30.0
Aniline	Ave	2.579	2.584		12.5	12.5	0.2	30.0
Bis(2-chloroethyl)ether	Ave	1.702	1.500	0.7000	11.0	12.5	-11.9	30.0
2-Chlorophenol	Ave	1.352	1.330	0.8000	12.3	12.5	-1.6	30.0
1,3-Dichlorobenzene	Ave	1.517	1.507		12.4	12.5	-0.7	30.0
1,4-Dichlorobenzene	Ave	1.602	1.483		11.6	12.5	-7.4	30.0
Benzyl alcohol	Ave	1.092	1.056		12.1	12.5	-3.3	30.0
1,2-Dichlorobenzene	Ave	1.467	1.434		12.2	12.5	-2.2	30.0
2-Methylphenol	Ave	1.487	1.497	0.7000	12.6	12.5	0.7	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.942	1.628	0.0100	10.5	12.5	-16.1	30.0
N-Nitrosopyrrolidine	Ave	0.8930	0.9486		13.3	12.5	6.2	30.0
Acetophenone	Ave	2.610	2.671	0.0100	12.8	12.5	2.3	30.0
N-Nitrosodi-n-propylamine	Ave	1.585	1.577	0.5000	12.4	12.5	-0.5	30.0
3,4-Methylphenol	Ave	1.674	1.780	0.6000	13.3	12.5	6.3	30.0
N-Nitrosomorpholine	Ave	1.197	1.260		13.2	12.5	5.2	30.0
2-Toluidine	Ave	2.518	2.670		13.3	12.5	6.1	30.0
Hexachloroethane	Ave	0.7888	0.7094	0.3000	11.2	12.5	-10.1	30.0
Nitrobenzene	Ave	0.6122	0.5720	0.2000	11.7	12.5	-6.6	30.0
N-Nitrosopiperidine	Ave	0.1987	0.1874		11.8	12.5	-5.7	30.0
Isophorone	Ave	1.069	0.9310	0.4000	10.9	12.5	-12.9	30.0
2-Nitrophenol	Ave	0.2045	0.1840	0.1000	11.3	12.5	-10.0	30.0
2,4-Dimethylphenol	Ave	0.4757	0.4581	0.2000	12.0	12.5	-3.7	30.0
o,o',o''-Triethylphosphorothioate	Ave	0.1757	0.1739		12.4	12.5	-1.0	30.0
Bis(2-chloroethoxy)methane	Ave	0.5484	0.5146	0.3000	11.7	12.5	-6.2	30.0
2,4-Dichlorophenol	Ave	0.3007	0.2987	0.2000	12.4	12.5	-0.7	30.0
1,2,4-Trichlorobenzene	Ave	0.3467	0.3347		12.1	12.5	-3.4	30.0
Naphthalene	Ave	1.067	0.9947	0.7000	11.7	12.5	-6.8	30.0
4-Chloroaniline	Ave	0.4509	0.4391	0.0100	12.2	12.5	-2.6	30.0
2,6-Dichlorophenol	Ave	0.3075	0.2939		12.0	12.5	-4.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-641051/12 Calibration Date: 05/08/2025 03:22

Instrument ID: HP23264 Calib Start Date: 05/07/2025 23:49

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/08/2025 02:18

Lab File ID: JE0761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachloropropene	Ave	0.2840	0.2874		12.7	12.5	1.2	30.0
Hexachlorobutadiene	Ave	0.2272	0.2197	0.0100	12.1	12.5	-3.3	30.0
Quinoline	Ave	0.6737	0.6949		12.9	12.5	3.1	30.0
N-Nitrosodi-n-butylamine	Ave	0.4859	0.4486		11.5	12.5	-7.7	30.0
Caprolactam	Ave	0.1114	0.1087	0.0100	12.2	12.5	-2.4	30.0
4-Chloro-3-methylphenol	Ave	0.4245	0.3913	0.2000	11.5	12.5	-7.8	30.0
Safrole, Total	Ave	0.2766	0.2688		12.1	12.5	-2.8	30.0
2-Methylnaphthalene	Ave	0.6217	0.6568	0.4000	13.2	12.5	5.7	30.0
1-Methylnaphthalene	Ave	0.6389	0.6037		11.8	12.5	-5.5	30.0
Hexachlorocyclopentadiene	Ave	0.5467	0.5124	0.0500	11.7	12.5	-6.3	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6345	0.6484	0.0100	12.8	12.5	2.2	30.0
Isosafrole Peak 1	Ave	0.5028	0.5570		1.66	1.50	10.8	30.0
2,4,6-Trichlorophenol	Ave	0.3888	0.4029	0.2000	13.0	12.5	3.6	30.0
2,4,5-Trichlorophenol	Ave	0.4485	0.4720	0.2000	13.2	12.5	5.2	30.0
Isosafrole Peak 2	Ave	0.5720	0.6362		12.2	11.0	11.2	30.0
1,1'-Biphenyl	Ave	1.599	1.552	0.0100	12.1	12.5	-2.9	30.0
2-Chloronaphthalene	Ave	1.145	1.251	0.8000	13.7	12.5	9.2	30.0
1-Chloronaphthalene	Ave	1.082	1.240		14.3	12.5	14.6	30.0
Diphenyl ether	Ave	0.8216	0.7932		12.1	12.5	-3.5	30.0
2-Nitroaniline	Ave	0.4130	0.4364	0.0100	13.2	12.5	5.7	30.0
1,4-Naphthoquinone	Ave	0.4880	0.5754		14.7	12.5	17.9	30.0
1,4-Dinitrobenzene	Ave	0.1745	0.2030		14.5	12.5	16.3	30.0
Dimethyl phthalate	Ave	1.478	1.530	0.0100	12.9	12.5	3.5	30.0
1,3-Dinitrobenzene	Ave	0.2105	0.2184		13.0	12.5	3.8	30.0
2,6-Dinitrotoluene	Ave	0.3007	0.3414	0.2000	14.2	12.5	13.5	30.0
Acenaphthylene	Ave	1.824	1.970	0.9000	13.5	12.5	8.0	30.0
3-Nitroaniline	Ave	0.3426	0.3866	0.0100	14.1	12.5	12.8	30.0
Acenaphthene	Ave	1.286	1.270	0.9000	12.4	12.5	-1.2	30.0
2,4-Dinitrophenol	Ave	0.2033	0.2256	0.0100	27.8	25.0	11.0	30.0
4-Nitrophenol	Ave	0.3560	0.4233	0.0100	29.7	25.0	18.9	30.0
Pentachlorobenzene	Ave	0.5668	0.6132		13.5	12.5	8.2	30.0
2,4-Dinitrotoluene	Ave	0.4298	0.4693	0.2000	13.7	12.5	9.2	30.0
Dibenzofuran	Ave	1.679	1.773	0.8000	13.2	12.5	5.6	30.0
1-Naphthylamine	Ave	1.152	1.223		13.3	12.5	6.1	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.4031	0.4185	0.0100	13.0	12.5	3.8	30.0
2-Naphthylamine	Ave	1.216	1.389		14.3	12.5	14.2	30.0
Diethyl phthalate	Ave	1.530	1.613	0.0100	13.2	12.5	5.5	30.0
Thionazin	Ave	0.2720	0.3011		13.8	12.5	10.7	30.0
Fluorene	Ave	1.390	1.413	0.9000	12.7	12.5	1.7	30.0
4-Chlorophenyl phenyl ether	Ave	0.6546	0.6770	0.4000	12.9	12.5	3.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-641051/12 Calibration Date: 05/08/2025 03:22

Instrument ID: HP23264 Calib Start Date: 05/07/2025 23:49

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/08/2025 02:18

Lab File ID: JE0761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
5-Nitro-o-toluidine	Ave	0.3857	0.4148		13.4	12.5	7.6	30.0
4-Nitroaniline	Ave	0.3505	0.3921	0.0100	14.0	12.5	11.9	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1415	0.1430	0.0100	25.3	25.0	1.1	30.0
N-Nitrosodiphenylamine	Ave	0.5862	0.5869	0.0100	10.6	10.6	0.1	30.0
1,2-Diphenylhydrazine	Ave	1.153	1.132		12.3	12.5	-1.8	30.0
Sulfotepp	Ave	0.2080	0.2163		13.0	12.5	4.0	30.0
1,3,5-Trinitrobenzene	Ave	0.0645	0.0762			12.5	18.2	30.0
cis-Diallate	Ave	0.3827	0.4058		9.94	9.38	6.0	30.0
Phorate	Ave	0.7811	0.6548		10.5	12.5	-16.2	30.0
Phenacetin	Ave	0.5081	0.5513		13.6	12.5	8.5	30.0
4-Bromophenyl phenyl ether	Ave	0.2100	0.2262	0.1000	13.5	12.5	7.7	30.0
trans-Diallate	Ave	0.4267	0.4201		3.08	3.13	-1.5	30.0
Hexachlorobenzene	Ave	0.2704	0.2629	0.1000	12.2	12.5	-2.8	30.0
Dimethoate	Ave	0.3958	0.4058		12.8	12.5	2.5	30.0
Atrazine	Ave	0.2288	0.2187	0.0100	12.0	12.5	-4.4	30.0
Pentachlorophenol	Ave	0.1771	0.1770	0.0500	25.0	25.0	-0.0	30.0
4-Aminobiphenyl	Ave	0.8269	0.8411		12.7	12.5	1.7	30.0
Pentachloronitrobenzene	Ave	0.1424	0.1562		13.7	12.5	9.8	30.0
Pronamide	Ave	0.3678	0.3801		12.9	12.5	3.3	30.0
Dinoseb	Ave	0.1791	0.2031		14.2	12.5	13.4	30.0
Disulfoton	Ave	0.6143	0.6200		12.6	12.5	0.9	30.0
Phenanthrene	Ave	1.109	1.099	0.7000	12.4	12.5	-0.9	30.0
Anthracene	Ave	1.114	1.135	0.7000	12.7	12.5	1.9	30.0
Carbazole	Ave	0.9870	1.026	0.0100	13.0	12.5	3.9	30.0
Methyl parathion	Ave	0.3187	0.3759		14.7	12.5	18.0	30.0
Di-n-butyl phthalate	Ave	1.344	1.412	0.0100	13.1	12.5	5.1	30.0
Parathion	Ave	0.2047	0.2306		14.1	12.5	12.7	30.0
4-Nitroquinoline-1-oxide	Ave	0.1016	0.1200		14.8	12.5	18.0	30.0
Octachlorostyrene	Ave	0.1278	0.1232		12.1	12.5	-3.6	30.0
Isodrin	Lin2		0.1455		13.1	12.5	5.1	30.0
Fluoranthene	Ave	1.210	1.275	0.6000	13.2	12.5	5.4	30.0
Benzidine	Ave	0.8016	1.061		16.5	12.5	32.3*	30.0
Pyrene	Ave	1.266	1.250	0.6000	12.3	12.5	-1.3	30.0
p-Dimethylamino azobenzene	Ave	0.1840	0.2107		14.3	12.5	14.5	30.0
Chlorobenzilate	Ave	0.4301	0.4832		14.0	12.5	12.3	30.0
3,3'-Dimethylbenzidine	Ave	0.5992	0.6499		13.6	12.5	8.5	30.0
Butyl benzyl phthalate	Ave	0.5937	0.6097	0.0100	12.8	12.5	2.7	30.0
2-Acetylaminofluorene	Ave	0.4388	0.4912		14.0	12.5	11.9	30.0
3,3'-Dichlorobenzidine	Ave	0.4733	0.6670	0.0100	17.6	12.5	40.9*	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-641051/12 Calibration Date: 05/08/2025 03:22

Instrument ID: HP23264 Calib Start Date: 05/07/2025 23:49

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/08/2025 02:18

Lab File ID: JE0761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2316	0.2475		13.4	12.5	6.9	30.0
Benzo[a]anthracene	Ave	1.133	1.166	0.8000	12.9	12.5	2.9	30.0
Chrysene	Ave	1.059	1.074	0.7000	12.7	12.5	1.5	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.8292	0.8630	0.0100	13.0	12.5	4.1	30.0
6-Methylchrysene	Ave	0.7234	0.7815		13.5	12.5	8.0	30.0
Di-n-octyl phthalate	Ave	1.408	1.489	0.0100	13.2	12.5	5.8	30.0
7,12-Dimethylbenz(a)anthracene	Ave	0.4444	0.4927		13.9	12.5	10.9	30.0
Benzo[b]fluoranthene	Ave	1.165	1.189	0.7000	12.8	12.5	2.1	30.0
Benzo[k]fluoranthene	Ave	1.179	1.148	0.7000	12.2	12.5	-2.6	30.0
Benzo[a]pyrene	Ave	1.208	1.128	0.7000	11.7	12.5	-6.6	30.0
3-Methylcholanthrene	Ave	0.5373	0.5469		12.7	12.5	1.8	30.0
Dibenz[a,h]acridine	Ave	0.8496	1.025		15.1	12.5	20.6	30.0
Dibenz[a,j]acridine	Ave	0.9747	0.9848		12.6	12.5	1.0	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.138	1.061	0.5000	11.7	12.5	-6.8	30.0
Dibenz(a,h)anthracene	Ave	1.082	1.093	0.4000	12.6	12.5	1.0	30.0
Benzo[g,h,i]perylene	Ave	1.111	1.152	0.5000	13.0	12.5	3.7	30.0
1,4-phenylenediamine	Lin2					12.5	-100.0*	30.0
Famphur	Ave	0.4310				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 08-May-2025 03:22:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0146504-012
Operator ID: IR93211 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:33:32 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 07:53:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.696	1.695	0.001	92	254807	12.5	11.0	
2 N-Nitrosodimethylamine	74	1.923	1.929	-0.006	91	446744	12.5	11.7	
3 Pyridine	79	1.964	1.970	-0.006	96	1415793	25.0	22.7	
4 Dimethylformamide	73	2.268	2.291	-0.023	94	494036	12.5	11.7	
5 2-Picoline	93	2.560	2.565	-0.005	89	693658	12.5	12.2	
6 N-Nitrosomethylethylamine	88	2.642	2.641	0.001	94	314101	12.5	12.3	
7 Methyl methanesulfonate	80	2.916	2.916	0.000	89	574814	12.5	14.3	
11 N-Nitrosodiethylamine	102	3.290	3.290	0.000	93	312873	12.5	13.7	
12 Ethyl methanesulfonate	109	3.582	3.587	-0.005	94	306447	12.5	12.5	
13 Benzaldehyde	77	3.909	3.914	-0.005	88	668917	12.5	12.3	
16 Phenol	94	3.984	3.990	-0.006	90	922325	12.5	12.6	
17 Aniline	93	4.014	4.014	0.000	94	1009401	12.5	12.5	
18 Bis(2-chloroethyl)ether	93	4.072	4.072	0.000	91	585919	12.5	11.0	
19 2-Chlorophenol	128	4.125	4.124	0.001	89	519425	12.5	12.3	
21 1,3-Dichlorobenzene	146	4.271	4.270	0.001	90	588427	12.5	12.4	
* 22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	93	156224	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.347	4.346	0.000	87	579161	12.5	11.6	
26 Benzyl alcohol	108	4.463	4.463	0.000	85	412407	12.5	12.1	
27 1,2-Dichlorobenzene	146	4.487	4.492	-0.005	89	560214	12.5	12.2	
29 2-Methylphenol	108	4.574	4.574	0.000	95	584714	12.5	12.6	
30 2,2'-oxybis[1-chloropropane]	45	4.592	4.592	0.000	83	635858	12.5	10.5	
28 Indene	115		4.617				ND	ND	
31 N-Nitrosopyrrolidine	100	4.703	4.697	0.006	89	370466	12.5	13.3	
32 Acetophenone	105	4.720	4.720	0.000	82	1043214	12.5	12.8	
33 N-Nitrosodi-n-propylamine	70	4.720	4.720	0.000	67	616009	12.5	12.4	
34 4-Methylphenol	108	4.726	4.726	0.000	88	695133	12.5	13.3	
35 N-Nitrosomorpholine	56	4.738	4.738	0.000	83	492054	12.5	13.2	
36 2-Toluidine	106	4.749	4.755	-0.006	94	1042850	12.5	13.3	
37 Hexachloroethane	117	4.814	4.814	0.000	91	277082	12.5	11.2	
40 Nitrobenzene	77	4.884	4.884	0.000	87	904234	12.5	11.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
41 N-Nitrosopiperidine	114	5.030	5.030	0.000	79	296212	12.5	11.8	
42 Isophorone	82	5.111	5.111	0.000	95	1471796	12.5	10.9	
43 2-Nitrophenol	139	5.187	5.187	0.000	79	290842	12.5	11.2	
44 2,4-Dimethylphenol	107	5.234	5.234	0.000	96	724139	12.5	12.0	
46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	88	274892	12.5	12.4	
47 Bis(2-chloroethoxy)methane	93	5.327	5.327	0.000	95	813459	12.5	11.7	
48 Benzoic acid	105		5.359				12.5	ND	7
49 2,4-Dichlorophenol	162	5.421	5.421	0.000	94	472177	12.5	12.4	
50 1,2,4-Trichlorobenzene	180	5.497	5.497	0.000	90	529145	12.5	12.1	
* 52 Naphthalene-d8	136	5.549	5.549	0.000	99	632334	5.00	5.00	
53 Naphthalene	128	5.573	5.573	0.000	99	1572383	12.5	11.7	
56 4-Chloroaniline	127	5.631	5.631	0.000	91	694100	12.5	12.2	
57 2,6-Dichlorophenol	162	5.637	5.637	0.000	89	464676	12.5	11.9	
58 Hexachloropropene	213	5.654	5.654	0.000	96	454401	12.5	12.6	
59 Hexachlorobutadiene	225	5.689	5.695	-0.006	94	347361	12.5	12.1	
61 Quinoline	129	5.894	5.894	0.000	92	1098590	12.5	12.9	
63 N-Nitrosodi-n-butylamine	84	5.958	5.958	0.000	89	709172	12.5	11.5	
62 Caprolactam	113	5.964	5.958	0.006	73	171845	12.5	12.2	
64 p-Phenylene diamine	108		5.975				ND	ND	U
65 4-Chloro-3-methylphenol	107	6.104	6.104	0.000	88	618650	12.5	11.5	
66 Safrole, Total	162	6.157	6.162	-0.005	72	424859	12.5	12.1	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	88	1038356	12.5	13.2	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	89	954390	12.5	11.8	
71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	96	441379	12.5	11.7	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	97	558567	12.5	12.8	
72 Isosafrole Peak 1	162	6.437	6.443	-0.006	70	57582	1.50	1.66	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	90	347042	12.5	13.0	
80 2,4,5-Trichlorophenol	196	6.548	6.548	0.000	88	406599	12.5	13.2	
82 Isosafrole Peak 2	162	6.653	6.653	0.000	78	482321	11.0	12.2	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	97	1337388	12.5	12.1	
84 2-Chloronaphthalene	162	6.700	6.700	0.000	96	1077506	12.5	13.7	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	96	1068113	12.5	14.3	
86 Phenyl ether	170	6.787	6.787	0.000	83	683319	12.5	12.1	
87 2-Nitroaniline	138	6.805	6.805	0.000	73	375955	12.5	13.2	
88 1,4-Naphthoquinone	158	6.875	6.875	0.000	69	495646	12.5	14.7	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	84	174843	12.5	14.5	
90 Dimethyl phthalate	163	6.986	6.986	0.000	94	1317887	12.5	12.9	
91 1,3-Dinitrobenzene	168	7.009	7.009	0.000	75	188166	12.5	13.0	
92 2,6-Dinitrotoluene	165	7.038	7.038	0.000	77	294092	12.5	14.2	
93 Acenaphthylene	152	7.097	7.097	0.000	99	1696662	12.5	13.5	
95 3-Nitroaniline	138	7.196	7.196	0.000	81	333036	12.5	14.1	
* 96 Acenaphthene-d10	164	7.231	7.225	0.006	94	344580	5.00	5.00	
97 Acenaphthene	153	7.260	7.260	0.000	97	1094191	12.5	12.3	
98 2,4-Dinitrophenol	184	7.301	7.295	0.006	75	388713	25.0	27.8	
100 4-Nitrophenol	109	7.377	7.371	0.006	80	729313	25.0	29.7	
99 Pentachlorobenzene	250	7.383	7.383	0.000	95	528274	12.5	13.5	
102 2,4-Dinitrotoluene	165	7.424	7.424	0.000	76	404321	12.5	13.6	
101 Dibenzofuran	168	7.424	7.424	0.000	93	1527130	12.5	13.2	
104 1-Naphthylamine	143	7.505	7.505	0.000	94	1053753	12.5	13.3	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	77	360517	12.5	13.0	
106 2-Naphthylamine	143	7.581	7.581	0.000	93	1196212	12.5	14.3	
107 Diethyl phthalate	149	7.663	7.657	0.006	95	1389548	12.5	13.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
109 Thionazin	107	7.733	7.733	0.000	74	259354	12.5	13.8	
108 Fluorene	166	7.751	7.751	0.000	94	1217628	12.5	12.7	
110 4-Chlorophenyl phenyl ether	204	7.757	7.756	0.000	92	583200	12.5	12.9	
111 N-Nitro-o-toluidine	152	7.768	7.768	0.000	82	357331	12.5	13.4	
112 4-Nitroaniline	138	7.780	7.774	0.006	71	337755	12.5	14.0	
113 4,6-Dinitro-2-methylphenol	198	7.809	7.803	0.006	65	495452	25.0	25.3	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	65	864142	10.6	10.6	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	99	1960932	12.5	12.3	
117 Sulfotepp	97	8.031	8.031	0.000	77	374713	12.5	13.0	
118 1,3,5-Trinitrobenzene	213	8.136	8.136	0.000	80	132023	12.5	14.8	
120 cis-Diallate	86	8.148	8.148	0.000	85	527224	9.38	9.94	
119 Phorate	75	8.159	8.159	0.000	92	1134193	12.5	10.5	
121 Phenacetin	108	8.177	8.171	0.006	87	954935	12.5	13.6	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	72	391820	12.5	13.5	
123 trans-Diallate	86	8.235	8.235	0.000	89	181920	3.13	3.08	
124 Hexachlorobenzene	284	8.270	8.270	0.000	92	455334	12.5	12.2	
125 Dimethoate	87	8.323	8.317	0.006	92	702919	12.5	12.8	
126 Atrazine	200	8.393	8.387	0.006	87	378917	12.5	12.0	
127 Pentachlorophenol	266	8.463	8.463	0.000	89	613246	25.0	25.0	
129 4-Aminobiphenyl	169	8.469	8.469	0.000	92	1457025	12.5	12.7	
128 Pentachloronitrobenzene	237	8.469	8.469	0.000	71	270651	12.5	13.7	
130 Pronamide	173	8.533	8.533	0.000	89	658468	12.5	12.9	
* 131 Phenanthrene-d10	188	8.644	8.638	0.006	97	692881	5.00	5.00	
133 Dinoseb	211	8.644	8.644	0.000	89	351844	12.5	14.2	
134 Disulfoton	88	8.656	8.656	0.000	96	1073891	12.5	12.6	
132 Phenanthrene	178	8.662	8.661	0.001	99	1903229	12.5	12.4	
135 Anthracene	178	8.714	8.714	0.000	98	1965401	12.5	12.7	
136 Carbazole	167	8.872	8.872	0.000	97	1776606	12.5	13.0	
137 Methyl parathion	109	9.012	9.012	0.000	88	651184	12.5	14.7	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	2446459	12.5	13.1	
139 Ethyl Parathion	109	9.386	9.385	0.001	80	399526	12.5	14.1	
140 4-Nitroquinoline-1-oxide	190	9.409	9.409	0.000	84	207779	12.5	14.8	
142 Octachlorostyrene	308	9.613	9.613	0.000	90	213379	12.5	12.0	
143 Isodrin	193	9.648	9.648	0.000	88	252108	12.5	13.1	
S 68 Diallate	86				0		12.5	13.0	
144 Fluoranthene	202	9.794	9.794	0.000	98	2209284	12.5	13.2	
145 Benzidine	184	9.940	9.940	0.000	99	1951532	12.5	16.5	
* 146 Pyrene-d10 (IS)	212	9.993	9.987	0.006	98	735873	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	2299052	12.5	12.3	
200 Aramite Peak 1	185	10.244	10.229	0.015	0	165277	1.25	23.5	
192 Aramite Peak 2	185	10.244	10.246	-0.002	0	165277	1.25	28.5	
185 Aramite Peak 3	185	10.244	10.293	-0.049	0	165277	5.00	10.2	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	89	387537	12.5	14.3	
150 Chlorobenzilate	139	10.361	10.361	0.000	80	888905	12.5	14.0	
180 Aramite Peak 4	185	10.244	10.369	-0.125	0	165277	5.00	9.24	
151 Famphur	218		10.618				ND	ND	U
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	99	1195664	12.5	13.6	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	92	1121712	12.5	12.8	
155 2-Acetylaminofluorene	181	10.933	10.933	0.000	90	903618	12.5	14.0	
S 94 Isosafrole	162				0		12.5	13.9	
157 3,3'-Dichlorobenzidine	252	11.266	11.260	0.006	76	1227056	12.5	17.6	
158 4,4'-Methylene bis(2-chloroani	231	11.272	11.271	0.001	68	455311	12.5	13.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
156 Benzo[a]anthracene	228	11.272	11.271	0.001	98	2144307	12.5	12.9	
159 Chrysene	228	11.312	11.312	0.000	97	1976065	12.5	12.7	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	95	1587566	12.5	13.0	
S 103 Aramite, Total	185				0		12.5	71.4	
161 6-Methylchrysene	242	11.879	11.873	0.006	97	1437801	12.5	13.5	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	99	2821086	12.5	13.2	
164 Benzo[b]fluoranthene	252	12.655	12.655	0.000	96	2252469	12.5	12.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.655	12.655	0.000	72	933292	12.5	13.9	
165 Benzo[k]fluoranthene	252	12.696	12.696	0.000	99	2174197	12.5	12.2	
166 Benzo[a]pyrene	252	13.111	13.105	0.006	78	2137463	12.5	11.7	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	757750	5.00	5.00	
168 3-Methylcholanthrene	268	13.625	13.625	0.000	91	1036043	12.5	12.7	
169 Dibenz[a,h]acridine	279	14.413	14.413	0.000	91	1941595	12.5	15.1	
170 Dibenz[a,j]acridine	279	14.483	14.483	0.000	96	1865508	12.5	12.6	
171 Indeno[1,2,3-cd]pyrene	276	14.705	14.705	0.000	99	2010726	12.5	11.7	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	92	2070961	12.5	12.6	
173 Benzo[g,h,i]perylene	276	15.067	15.061	0.006	98	2182310	12.5	13.0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

Report Date: 08-May-2025 09:48:46 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D

Injection Date: 08-May-2025 03:22:30 Instrument ID: HP23264 Operator ID: IR93211

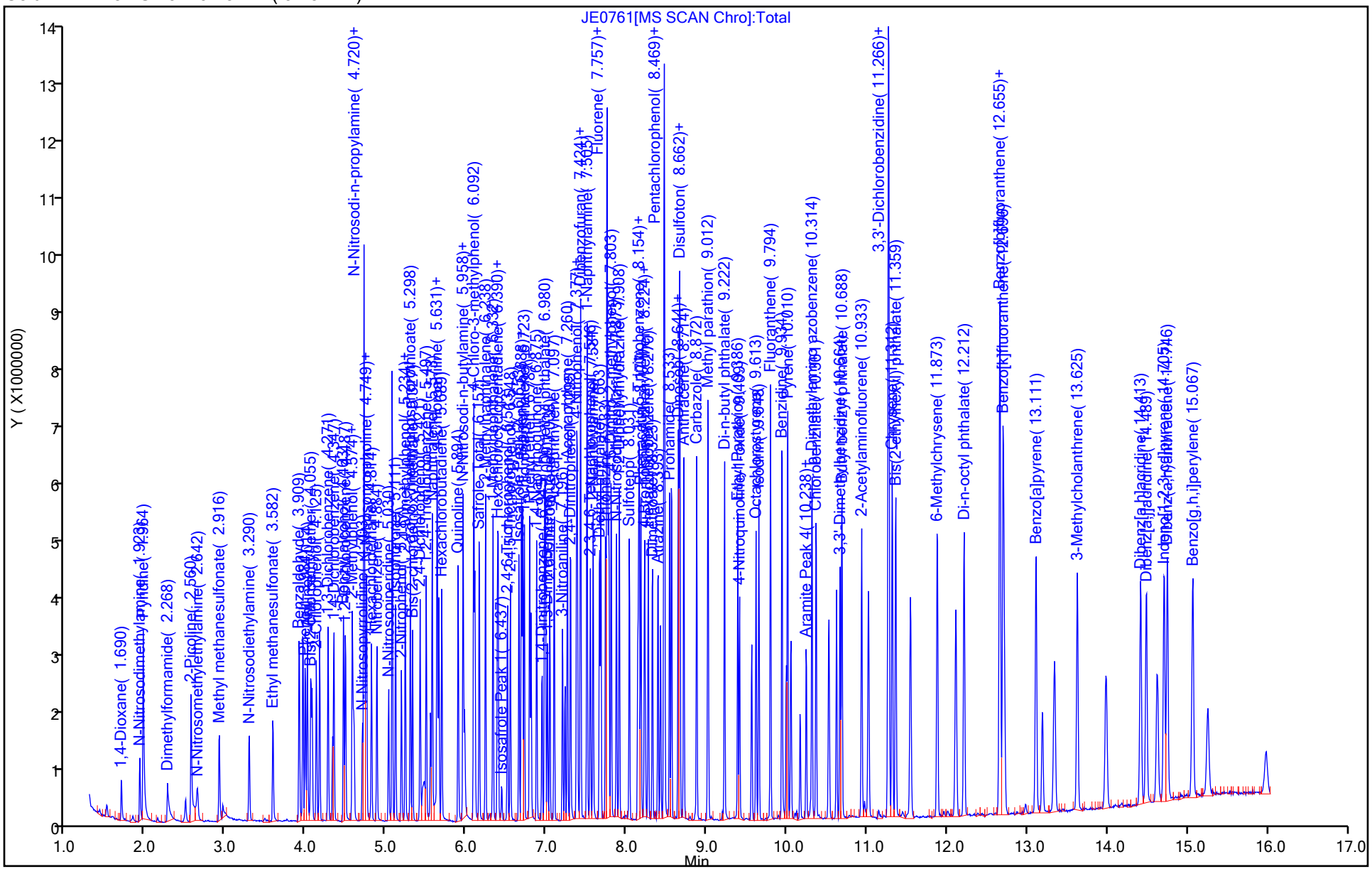
Lims ID: ICV FULL Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



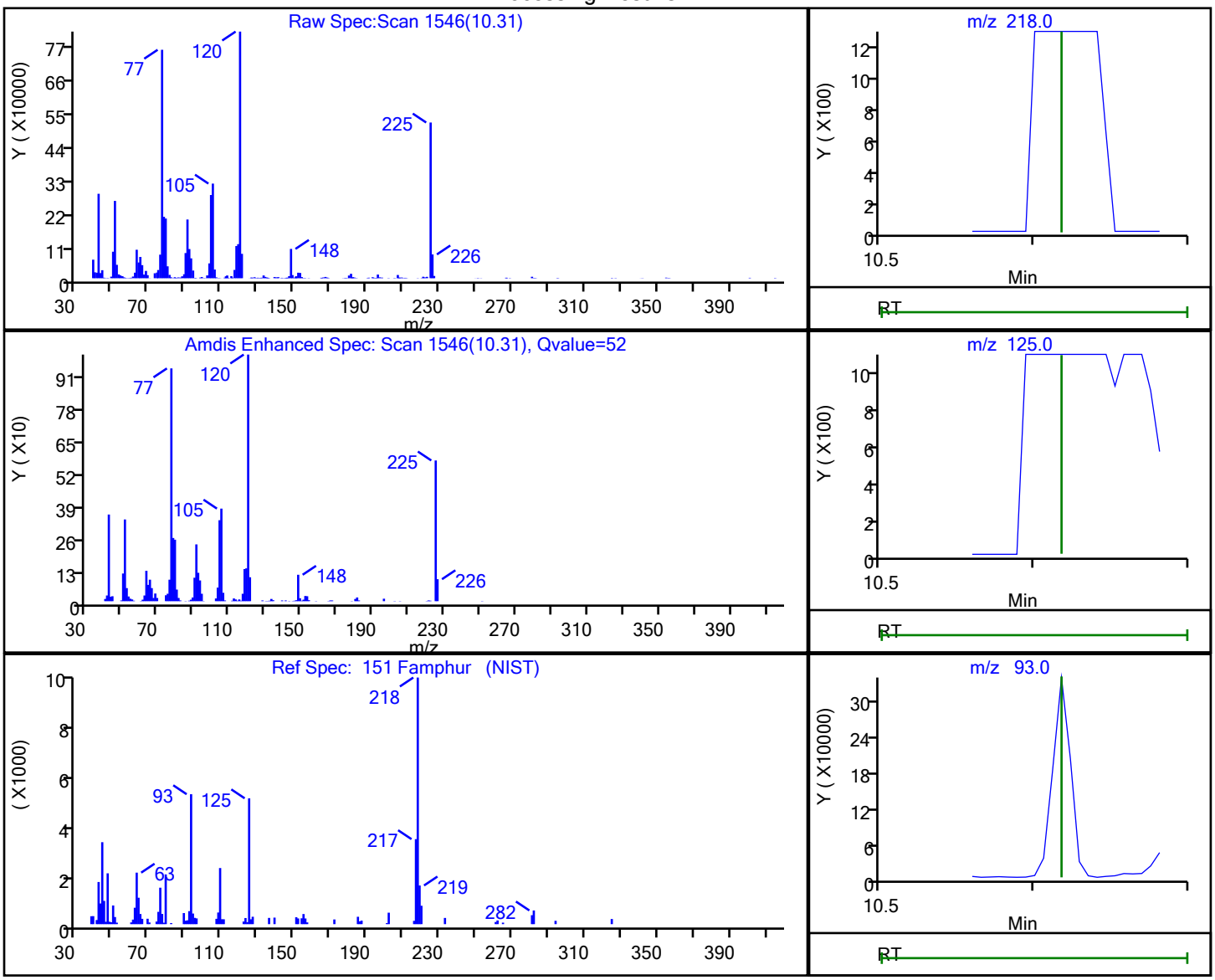
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D				
Injection Date:	08-May-2025 03:22:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Famphur, CAS: 52-85-7

Processing Results



RT	Mass	Response	Amount
10.31	218.00	421	0.006637
10.31	125.00	649	
10.31	93.00	62990	

Reviewer: W6ZA, 08-May-2025 08:14:40 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

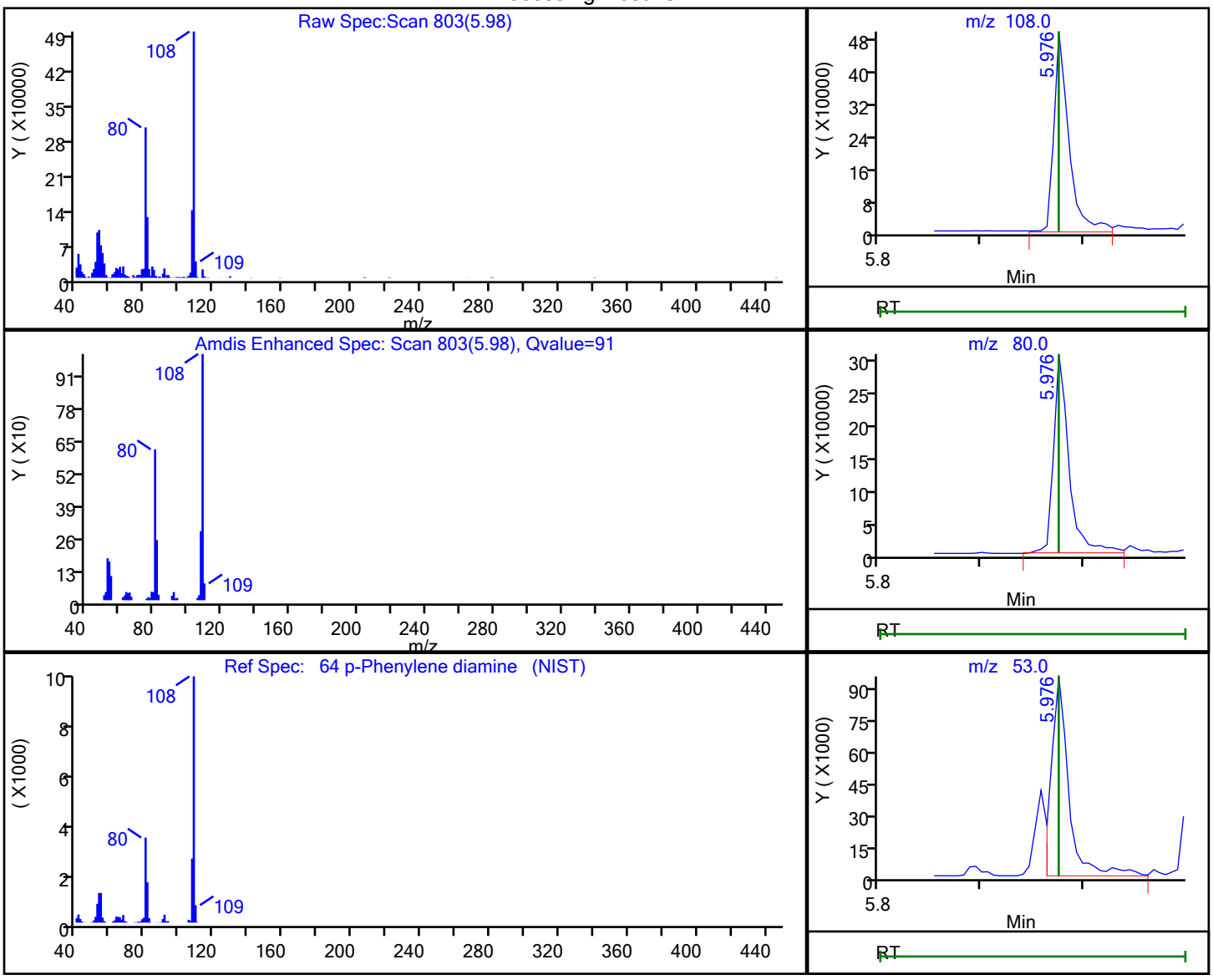
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D
Injection Date: 08-May-2025 03:22:30 Instrument ID: HP23264
Lims ID: ICV FULL
Client ID:
Operator ID: IR93211 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

64 p-Phenylene diamine, CAS: 106-50-3

Processing Results



RT	Mass	Response	Amount
5.98	108.00	492847	9.172911
5.98	80.00	317124	
5.98	53.00	109068	
5.98	54.00	78627	
5.98	52.00	94653	

Reviewer: W6ZA, 08-May-2025 09:20:02 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-663002/12 Calibration Date: 06/26/2025 02:43

Instrument ID: HP23264 Calib Start Date: 03/11/2025 21:15

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/11/2025 23:27

Lab File ID: JF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzoic acid	Ave	0.3569				12.5		
Indene	Ave	2.650				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2561.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 26-Jun-2025 02:43:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0151575-012
Operator ID: IR93211 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:32:41 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:59:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.420	1.426	-0.006	97	254496	12.5	11.8	
2 N-Nitrosodimethylamine	74	1.642	1.648	-0.006	94	489877	12.5	13.5	
3 Pyridine	79	1.677	1.683	-0.006	91	1475389	25.0	22.7	
4 Dimethylformamide	73	1.975	1.998	-0.023	97	580546	12.5	13.8	
5 2-Picoline	93	2.244	2.249	-0.005	93	753825	12.5	13.3	
6 N-Nitrosomethylethylamine	88	2.325	2.325	0.000	95	328526	12.5	12.4	
7 Methyl methanesulfonate	80	2.594	2.594	0.000	86	562467	12.5	13.6	
11 N-Nitrosodiethylamine	102	2.950	2.944	0.006	90	327122	12.5	12.4	
12 Ethyl methanesulfonate	109	3.254	3.254	0.000	92	338830	12.5	13.4	
13 Benzaldehyde	77	3.575	3.575	0.000	88	651667	12.5	11.7	
17 Aniline	93	3.686	3.686	0.000	68	1129827	12.5	13.4	
16 Phenol	94	3.686	3.686	0.000	78	1060592	12.5	13.8	
18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	87	715151	12.5	12.9	
19 2-Chlorophenol	128	3.797	3.797	0.000	88	563163	12.5	13.0	
21 1,3-Dichlorobenzene	146	3.937	3.937	0.000	92	651847	12.5	12.8	
* 22 1,4-Dichlorobenzene-d4	152	3.995	3.995	0.000	92	178528	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.013	4.013	0.000	88	653319	12.5	12.6	
26 Benzyl alcohol	108	4.153	4.153	0.000	85	470352	12.5	14.2	
27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	91	617671	12.5	12.7	
28 Indene	115		4.241				ND	ND	
30 2,2'-oxybis[1-chloropropane]	45	4.276	4.276	0.000	92	1334296	12.5	13.2	
29 2-Methylphenol	108	4.276	4.276	0.000	95	624650	12.5	12.8	
31 N-Nitrosopyrrolidine	100	4.387	4.387	0.000	81	410716	12.5	14.1	
32 Acetophenone	105	4.398	4.398	0.000	88	1070940	12.5	13.5	
33 N-Nitrosodi-n-propylamine	70	4.410	4.404	0.006	85	716852	12.5	13.8	
35 N-Nitrosomorpholine	56	4.427	4.427	0.000	87	647359	12.5	15.7	
34 4-Methylphenol	108	4.433	4.433	0.000	83	731001	12.5	14.0	
36 2-Toluidine	106	4.433	4.433	0.000	82	1129747	12.5	13.5	
37 Hexachloroethane	117	4.480	4.480	0.000	94	301178	12.5	12.0	
40 Nitrobenzene	77	4.562	4.562	0.000	88	966024	12.5	12.1	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	41 N-Nitrosopiperidine	114	4.714	4.708	0.006	78	323825	12.5	12.2	
	42 Isophorone	82	4.801	4.795	0.006	98	1703242	12.5	12.3	
	43 2-Nitrophenol	139	4.871	4.871	0.000	84	290548	12.5	12.5	
	44 2,4-Dimethylphenol	107	4.935	4.935	0.000	97	734866	12.5	12.9	
	46 o,o',o''-Triethylphosphorothioat	198	4.994	4.994	0.000	93	308255	12.5	12.1	
	47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	93	976870	12.5	12.3	
	48 Benzoic acid	105		5.046				12.5	ND	7
	49 2,4-Dichlorophenol	162	5.116	5.116	0.000	96	546323	12.5	12.8	
	50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	93	608654	12.5	11.7	
*	52 Naphthalene-d8	136	5.227	5.227	0.000	98	643974	5.00	5.00	
	53 Naphthalene	128	5.251	5.251	0.000	98	1637493	12.5	11.9	
	56 4-Chloroaniline	127	5.321	5.321	0.000	91	732024	12.5	13.5	
	57 2,6-Dichlorophenol	162	5.327	5.327	0.000	88	547965	12.5	12.5	
	58 Hexachloropropene	213	5.332	5.332	0.000	97	523392	12.5	12.5	
	59 Hexachlorobutadiene	225	5.373	5.373	0.000	95	398784	12.5	12.1	
	61 Quinoline	129	5.578	5.578	0.000	92	1129163	12.5	12.5	
	63 N-Nitrosodi-n-butylamine	84	5.654	5.654	0.000	92	765933	12.5	12.6	
	62 Caprolactam	113	5.659	5.654	0.005	68	166450	12.5	13.2	
	64 p-Phenylene diamine	108		5.671				ND	ND	U
	65 4-Chloro-3-methylphenol	107	5.817	5.817	0.000	92	633197	12.5	11.7	
	66 Safrole, Total	162	5.846	5.846	0.000	81	471653	12.5	12.6	
	67 2-Methylnaphthalene	142	5.916	5.916	0.000	90	1093480	12.5	13.5	
	69 1-Methylnaphthalene	142	6.010	6.010	0.000	91	1004452	12.5	11.3	
	71 Hexachlorocyclopentadiene	237		6.068				ND	ND	U
	70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	98	684146	12.5	12.0	a
	72 Isosafrole Peak 1	162	6.127	6.127	0.000	82	62165	1.50	1.41	
	79 2,4,6-Trichlorophenol	196	6.202	6.202	0.000	95	421855	12.5	13.3	
	80 2,4,5-Trichlorophenol	196	6.243	6.243	0.000	93	467484	12.5	13.2	
	82 Isosafrole Peak 2	162	6.343	6.343	0.000	86	507246	11.0	10.7	
	83 1,1'-Biphenyl	154	6.366	6.366	0.000	96	1402044	12.5	12.6	
	84 2-Chloronaphthalene	162	6.378	6.378	0.000	96	1141722	12.5	12.3	
	85 1-Chloronaphthalene	162	6.401	6.395	0.006	98	1176600	12.5	12.4	
	86 Phenyl ether	170	6.471	6.471	0.000	90	800053	12.5	11.6	
	87 2-Nitroaniline	138	6.494	6.494	0.000	72	352886	12.5	13.5	
	88 1,4-Naphthoquinone	158	6.565	6.559	0.005	73	485784	12.5	13.9	
	89 1,4-Dinitrobenzene	168	6.640	6.635	0.005	85	185893	12.5	13.5	
	90 Dimethyl phthalate	163	6.681	6.681	0.000	95	1359721	12.5	12.3	
	91 1,3-Dinitrobenzene	168	6.705	6.705	0.000	79	194847	12.5	13.4	
	92 2,6-Dinitrotoluene	165	6.734	6.734	0.000	81	308968	12.5	13.1	
	93 Acenaphthylene	152	6.769	6.769	0.000	98	1841990	12.5	12.6	
	95 3-Nitroaniline	138	6.891	6.891	0.000	85	309469	12.5	13.6	
*	96 Acenaphthene-d10	164	6.903	6.903	0.000	95	385493	5.00	5.00	
	97 Acenaphthene	153	6.938	6.932	0.006	98	1121196	12.5	11.8	
	98 2,4-Dinitrophenol	184	6.997	6.991	0.006	74	389116	25.0	25.3	
	99 Pentachlorobenzene	250	7.067	7.061	0.006	97	589632	12.5	12.4	
	100 4-Nitrophenol	109	7.096	7.090	0.006	87	515032	25.0	28.3	
	101 Dibenzofuran	168	7.102	7.102	0.000	97	1606426	12.5	12.1	
	102 2,4-Dinitrotoluene	165	7.113	7.113	0.000	85	415660	12.5	12.8	
	104 1-Naphthylamine	143	7.183	7.183	0.000	97	973553	12.5	11.4	
	105 2,3,4,6-Tetrachlorophenol	232	7.236	7.230	0.006	75	386311	12.5	12.5	
	106 2-Naphthylamine	143	7.259	7.259	0.000	95	1163542	12.5	13.0	
	107 Diethyl phthalate	149	7.353	7.353	0.000	95	1335597	12.5	12.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
108 Fluorene	166	7.429	7.423	0.006	92	1238670	12.5	12.3	
109 Thionazin	107	7.429	7.423	0.006	73	268526	12.5	13.1	
110 4-Chlorophenyl phenyl ether	204	7.440	7.440	0.000	93	642121	12.5	11.8	
111 N-Nitro-o-toluidine	152	7.458	7.458	0.000	72	371940	12.5	13.2	
112 4-Nitroaniline	138	7.475	7.470	0.005	76	279781	12.5	12.8	
113 4,6-Dinitro-2-methylphenol	198	7.499	7.499	0.000	68	497245	25.0	24.8	
114 N-Nitrosodiphenylamine	169	7.557	7.557	0.000	67	883090	10.6	10.5	
115 1,2-Diphenylhydrazine	77	7.586	7.586	0.000	99	1998495	12.5	12.1	
117 Sulfotepp	97	7.726	7.726	0.000	76	365819	12.5	12.8	
120 cis-Diallate	86	7.832	7.832	0.000	96	568477	9.38	10.2	
119 Phorate	75	7.843	7.843	0.000	93	1812468	12.5	12.9	
118 1,3,5-Trinitrobenzene	213	7.855	7.849	0.006	81	132089	12.5	12.7	a
121 Phenacetin	108	7.878	7.872	0.006	89	821132	12.5	13.0	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	72	401529	12.5	12.3	
123 trans-Diallate	86	7.919	7.913	0.006	97	186205	3.13	3.25	
124 Hexachlorobenzene	284	7.948	7.942	0.006	94	445987	12.5	11.4	
125 Dimethoate	87	8.007	8.007	0.000	95	714422	12.5	13.4	
126 Atrazine	200	8.083	8.083	0.000	85	384344	12.5	11.9	
127 Pentachlorophenol	266	8.147	8.147	0.000	90	568886	25.0	23.7	
129 4-Aminobiphenyl	169	8.153	8.147	0.006	91	1289037	12.5	11.3	
128 Pentachloronitrobenzene	237	8.153	8.153	0.000	51	231651	12.5	11.9	
130 Pronamide	173	8.229	8.223	0.006	90	663198	12.5	12.2	
* 131 Phenanthrene-d10	188	8.310	8.310	0.000	98	725649	5.00	5.00	
132 Phenanthrene	178	8.334	8.328	0.006	98	1846969	12.5	11.5	
133 Dinoseb	211	8.334	8.334	0.000	91	365693	12.5	12.3	
134 Disulfoton	88	8.340	8.340	0.000	97	1013960	12.5	11.8	
135 Anthracene	178	8.380	8.380	0.000	99	1923570	12.5	12.2	
136 Carbazole	167	8.550	8.550	0.000	96	1779444	12.5	12.6	
137 Methyl parathion	109	8.696	8.696	0.000	89	594543	12.5	14.9	
138 Di-n-butyl phthalate	149	8.912	8.906	0.006	100	2237439	12.5	13.6	
139 Ethyl Parathion	109	9.069	9.069	0.000	80	344113	12.5	15.1	
140 4-Nitroquinoline-1-oxide	190	9.087	9.081	0.006	85	182500	12.5	13.1	
142 Octachlorostyrene	308	9.286	9.285	0.001	90	184430	12.5	12.4	
143 Isodrin	193	9.309	9.309	0.000	92	267555	12.5	11.4	
144 Fluoranthene	202	9.455	9.455	0.000	98	2232712	12.5	12.7	
145 Benzidine	184	9.612	9.612	0.000	99	1663147	12.5	16.1	
* 146 Pyrene-d10 (IS)	212	9.648	9.647	0.001	98	786341	5.00	5.00	
S 68 Diallate	86				0		12.5	13.4	
147 Pyrene	202	9.665	9.665	0.000	98	2354784	12.5	12.3	
200 Aramite Peak 1	185	9.846	9.836	0.010	0	70407	1.25	24.5	
192 Aramite Peak 2	185	9.846	9.859	-0.013	0	70407	1.25	30.7	
185 Aramite Peak 3	185	9.922	9.900	0.022	0	159992	5.00	10.9	
180 Aramite Peak 4	185	9.922	9.976	-0.054	0	159992	5.00	4.90	
149 p-Dimethylamino azobenzene	225	9.980	9.980	0.000	91	362982	12.5	14.5	
150 Chlorobenzilate	139	10.033	10.033	0.000	85	699374	12.5	13.6	
151 Famphur	218	10.272	10.302	-0.030	85	632663	12.5	9.40	
152 3,3'-Dimethylbenzidine	212	10.307	10.307	0.000	99	1153284	12.5	12.9	
153 Butyl benzyl phthalate	149	10.337	10.337	0.001	93	938265	12.5	13.5	
155 2-Acetylaminofluorene	181	10.564	10.564	0.000	93	771470	12.5	13.0	
156 Benzo[a]anthracene	228	10.868	10.868	0.000	99	1954895	12.5	12.9	
157 3,3'-Dichlorobenzidine	252	10.868	10.868	0.000	77	1050825	12.5	19.0	
158 4,4'-Methylene bis(2-chloroanil	231	10.880	10.880	0.000	96	382256	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
159 Chrysene	228	10.909	10.909	0.000	97	1831498	12.5	12.4	
160 Bis(2-ethylhexyl) phthalate	149	10.979	10.979	0.000	94	1213231	12.5	13.0	
S 94 Isosafrole	162				0		12.5	12.1	
161 6-Methylchrysene	242	11.428	11.428	0.000	98	1203481	12.5	12.8	
S 103 Aramite, Total	185				0		12.5	71.1	
162 Di-n-octyl phthalate	149	11.767	11.767	0.000	99	1980257	12.5	12.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.152	12.147	0.005	82	751646	12.5	13.2	
164 Benzo[b]fluoranthene	252	12.152	12.147	0.005	96	1829385	12.5	12.7	
165 Benzo[k]fluoranthene	252	12.188	12.182	0.006	99	1684233	12.5	11.3	
166 Benzo[a]pyrene	252	12.567	12.567	0.000	77	1632039	12.5	11.8	
* 167 Perylene-d12	264	12.643	12.643	0.000	98	594225	5.00	5.00	
168 3-Methylcholanthrene	268	13.063	13.057	0.006	91	763193	12.5	12.3	
169 Dibenz[a,h]acridine	279	13.805	13.805	0.000	91	1308614	12.5	12.4	
170 Dibenz[a,j]acridine	279	13.881	13.875	0.006	96	1285508	12.5	12.1	
171 Indeno[1,2,3-cd]pyrene	276	14.103	14.103	0.000	100	1419098	12.5	11.2	
172 Dibenz(a,h)anthracene	278	14.149	14.144	0.005	92	1424607	12.5	11.9	
173 Benzo[g,h,i]perylene	276	14.459	14.453	0.006	99	1474516	12.5	11.4	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

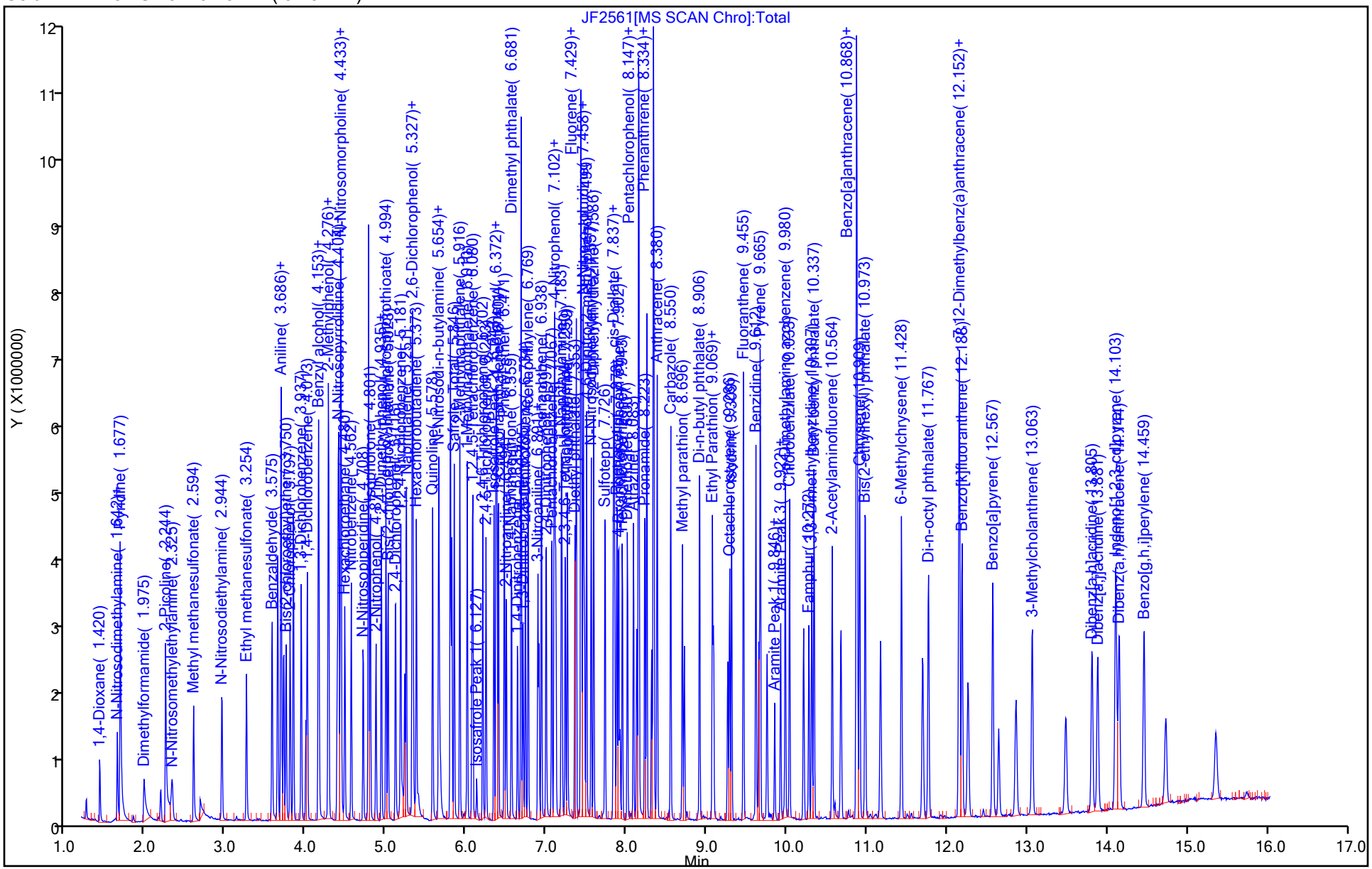
Report Date: 26-Jun-2025 11:07:43 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2561.D

Injection Date:	26-Jun-2025 02:43:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-663002/12 Calibration Date: 06/26/2025 02:43

Instrument ID: HP23264 Calib Start Date: 06/03/2025 22:26

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/04/2025 00:13

Lab File ID: JF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Famphur	Ave	0.4281	0.3218		9.40	12.5	-24.8	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2561.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 26-Jun-2025 02:43:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0151575-012
Operator ID: IR93211 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:32:41 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:59:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.420	1.426	-0.006	97	254496	12.5	11.8	
2 N-Nitrosodimethylamine	74	1.642	1.648	-0.006	94	489877	12.5	13.5	
3 Pyridine	79	1.677	1.683	-0.006	91	1475389	25.0	22.7	
4 Dimethylformamide	73	1.975	1.998	-0.023	97	580546	12.5	13.8	
5 2-Picoline	93	2.244	2.249	-0.005	93	753825	12.5	13.3	
6 N-Nitrosomethylethylamine	88	2.325	2.325	0.000	95	328526	12.5	12.4	
7 Methyl methanesulfonate	80	2.594	2.594	0.000	86	562467	12.5	13.6	
11 N-Nitrosodiethylamine	102	2.950	2.944	0.006	90	327122	12.5	12.4	
12 Ethyl methanesulfonate	109	3.254	3.254	0.000	92	338830	12.5	13.4	
13 Benzaldehyde	77	3.575	3.575	0.000	88	651667	12.5	11.7	
17 Aniline	93	3.686	3.686	0.000	68	1129827	12.5	13.4	
16 Phenol	94	3.686	3.686	0.000	78	1060592	12.5	13.8	
18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	87	715151	12.5	12.9	
19 2-Chlorophenol	128	3.797	3.797	0.000	88	563163	12.5	13.0	
21 1,3-Dichlorobenzene	146	3.937	3.937	0.000	92	651847	12.5	12.8	
* 22 1,4-Dichlorobenzene-d4	152	3.995	3.995	0.000	92	178528	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.013	4.013	0.000	88	653319	12.5	12.6	
26 Benzyl alcohol	108	4.153	4.153	0.000	85	470352	12.5	14.2	
27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	91	617671	12.5	12.7	
28 Indene	115		4.241				ND	ND	
30 2,2'-oxybis[1-chloropropane]	45	4.276	4.276	0.000	92	1334296	12.5	13.2	
29 2-Methylphenol	108	4.276	4.276	0.000	95	624650	12.5	12.8	
31 N-Nitrosopyrrolidine	100	4.387	4.387	0.000	81	410716	12.5	14.1	
32 Acetophenone	105	4.398	4.398	0.000	88	1070940	12.5	13.5	
33 N-Nitrosodi-n-propylamine	70	4.410	4.404	0.006	85	716852	12.5	13.8	
35 N-Nitrosomorpholine	56	4.427	4.427	0.000	87	647359	12.5	15.7	
34 4-Methylphenol	108	4.433	4.433	0.000	83	731001	12.5	14.0	
36 2-Toluidine	106	4.433	4.433	0.000	82	1129747	12.5	13.5	
37 Hexachloroethane	117	4.480	4.480	0.000	94	301178	12.5	12.0	
40 Nitrobenzene	77	4.562	4.562	0.000	88	966024	12.5	12.1	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	41 N-Nitrosopiperidine	114	4.714	4.708	0.006	78	323825	12.5	12.2	
	42 Isophorone	82	4.801	4.795	0.006	98	1703242	12.5	12.3	
	43 2-Nitrophenol	139	4.871	4.871	0.000	84	290548	12.5	12.5	
	44 2,4-Dimethylphenol	107	4.935	4.935	0.000	97	734866	12.5	12.9	
	46 o,o',o''-Triethylphosphorothioat	198	4.994	4.994	0.000	93	308255	12.5	12.1	
	47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	93	976870	12.5	12.3	
	48 Benzoic acid	105		5.046				12.5	ND	7
	49 2,4-Dichlorophenol	162	5.116	5.116	0.000	96	546323	12.5	12.8	
	50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	93	608654	12.5	11.7	
*	52 Naphthalene-d8	136	5.227	5.227	0.000	98	643974	5.00	5.00	
	53 Naphthalene	128	5.251	5.251	0.000	98	1637493	12.5	11.9	
	56 4-Chloroaniline	127	5.321	5.321	0.000	91	732024	12.5	13.5	
	57 2,6-Dichlorophenol	162	5.327	5.327	0.000	88	547965	12.5	12.5	
	58 Hexachloropropene	213	5.332	5.332	0.000	97	523392	12.5	12.5	
	59 Hexachlorobutadiene	225	5.373	5.373	0.000	95	398784	12.5	12.1	
	61 Quinoline	129	5.578	5.578	0.000	92	1129163	12.5	12.5	
	63 N-Nitrosodi-n-butylamine	84	5.654	5.654	0.000	92	765933	12.5	12.6	
	62 Caprolactam	113	5.659	5.654	0.005	68	166450	12.5	13.2	
	64 p-Phenylene diamine	108		5.671				ND	ND	U
	65 4-Chloro-3-methylphenol	107	5.817	5.817	0.000	92	633197	12.5	11.7	
	66 Safrole, Total	162	5.846	5.846	0.000	81	471653	12.5	12.6	
	67 2-Methylnaphthalene	142	5.916	5.916	0.000	90	1093480	12.5	13.5	
	69 1-Methylnaphthalene	142	6.010	6.010	0.000	91	1004452	12.5	11.3	
	71 Hexachlorocyclopentadiene	237		6.068				ND	ND	U
	70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	98	684146	12.5	12.0	a
	72 Isosafrole Peak 1	162	6.127	6.127	0.000	82	62165	1.50	1.41	
	79 2,4,6-Trichlorophenol	196	6.202	6.202	0.000	95	421855	12.5	13.3	
	80 2,4,5-Trichlorophenol	196	6.243	6.243	0.000	93	467484	12.5	13.2	
	82 Isosafrole Peak 2	162	6.343	6.343	0.000	86	507246	11.0	10.7	
	83 1,1'-Biphenyl	154	6.366	6.366	0.000	96	1402044	12.5	12.6	
	84 2-Chloronaphthalene	162	6.378	6.378	0.000	96	1141722	12.5	12.3	
	85 1-Chloronaphthalene	162	6.401	6.395	0.006	98	1176600	12.5	12.4	
	86 Phenyl ether	170	6.471	6.471	0.000	90	800053	12.5	11.6	
	87 2-Nitroaniline	138	6.494	6.494	0.000	72	352886	12.5	13.5	
	88 1,4-Naphthoquinone	158	6.565	6.559	0.005	73	485784	12.5	13.9	
	89 1,4-Dinitrobenzene	168	6.640	6.635	0.005	85	185893	12.5	13.5	
	90 Dimethyl phthalate	163	6.681	6.681	0.000	95	1359721	12.5	12.3	
	91 1,3-Dinitrobenzene	168	6.705	6.705	0.000	79	194847	12.5	13.4	
	92 2,6-Dinitrotoluene	165	6.734	6.734	0.000	81	308968	12.5	13.1	
	93 Acenaphthylene	152	6.769	6.769	0.000	98	1841990	12.5	12.6	
	95 3-Nitroaniline	138	6.891	6.891	0.000	85	309469	12.5	13.6	
*	96 Acenaphthene-d10	164	6.903	6.903	0.000	95	385493	5.00	5.00	
	97 Acenaphthene	153	6.938	6.932	0.006	98	1121196	12.5	11.8	
	98 2,4-Dinitrophenol	184	6.997	6.991	0.006	74	389116	25.0	25.3	
	99 Pentachlorobenzene	250	7.067	7.061	0.006	97	589632	12.5	12.4	
	100 4-Nitrophenol	109	7.096	7.090	0.006	87	515032	25.0	28.3	
	101 Dibenzofuran	168	7.102	7.102	0.000	97	1606426	12.5	12.1	
	102 2,4-Dinitrotoluene	165	7.113	7.113	0.000	85	415660	12.5	12.8	
	104 1-Naphthylamine	143	7.183	7.183	0.000	97	973553	12.5	11.4	
	105 2,3,4,6-Tetrachlorophenol	232	7.236	7.230	0.006	75	386311	12.5	12.5	
	106 2-Naphthylamine	143	7.259	7.259	0.000	95	1163542	12.5	13.0	
	107 Diethyl phthalate	149	7.353	7.353	0.000	95	1335597	12.5	12.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
108 Fluorene	166	7.429	7.423	0.006	92	1238670	12.5	12.3	
109 Thionazin	107	7.429	7.423	0.006	73	268526	12.5	13.1	
110 4-Chlorophenyl phenyl ether	204	7.440	7.440	0.000	93	642121	12.5	11.8	
111 N-Nitro-o-toluidine	152	7.458	7.458	0.000	72	371940	12.5	13.2	
112 4-Nitroaniline	138	7.475	7.470	0.005	76	279781	12.5	12.8	
113 4,6-Dinitro-2-methylphenol	198	7.499	7.499	0.000	68	497245	25.0	24.8	
114 N-Nitrosodiphenylamine	169	7.557	7.557	0.000	67	883090	10.6	10.5	
115 1,2-Diphenylhydrazine	77	7.586	7.586	0.000	99	1998495	12.5	12.1	
117 Sulfotepp	97	7.726	7.726	0.000	76	365819	12.5	12.8	
120 cis-Diallate	86	7.832	7.832	0.000	96	568477	9.38	10.2	
119 Phorate	75	7.843	7.843	0.000	93	1812468	12.5	12.9	
118 1,3,5-Trinitrobenzene	213	7.855	7.849	0.006	81	132089	12.5	12.7	a
121 Phenacetin	108	7.878	7.872	0.006	89	821132	12.5	13.0	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	72	401529	12.5	12.3	
123 trans-Diallate	86	7.919	7.913	0.006	97	186205	3.13	3.25	
124 Hexachlorobenzene	284	7.948	7.942	0.006	94	445987	12.5	11.4	
125 Dimethoate	87	8.007	8.007	0.000	95	714422	12.5	13.4	
126 Atrazine	200	8.083	8.083	0.000	85	384344	12.5	11.9	
127 Pentachlorophenol	266	8.147	8.147	0.000	90	568886	25.0	23.7	
129 4-Aminobiphenyl	169	8.153	8.147	0.006	91	1289037	12.5	11.3	
128 Pentachloronitrobenzene	237	8.153	8.153	0.000	51	231651	12.5	11.9	
130 Pronamide	173	8.229	8.223	0.006	90	663198	12.5	12.2	
* 131 Phenanthrene-d10	188	8.310	8.310	0.000	98	725649	5.00	5.00	
132 Phenanthrene	178	8.334	8.328	0.006	98	1846969	12.5	11.5	
133 Dinoseb	211	8.334	8.334	0.000	91	365693	12.5	12.3	
134 Disulfoton	88	8.340	8.340	0.000	97	1013960	12.5	11.8	
135 Anthracene	178	8.380	8.380	0.000	99	1923570	12.5	12.2	
136 Carbazole	167	8.550	8.550	0.000	96	1779444	12.5	12.6	
137 Methyl parathion	109	8.696	8.696	0.000	89	594543	12.5	14.9	
138 Di-n-butyl phthalate	149	8.912	8.906	0.006	100	2237439	12.5	13.6	
139 Ethyl Parathion	109	9.069	9.069	0.000	80	344113	12.5	15.1	
140 4-Nitroquinoline-1-oxide	190	9.087	9.081	0.006	85	182500	12.5	13.1	
142 Octachlorostyrene	308	9.286	9.285	0.001	90	184430	12.5	12.4	
143 Isodrin	193	9.309	9.309	0.000	92	267555	12.5	11.4	
144 Fluoranthene	202	9.455	9.455	0.000	98	2232712	12.5	12.7	
145 Benzidine	184	9.612	9.612	0.000	99	1663147	12.5	16.1	
* 146 Pyrene-d10 (IS)	212	9.648	9.647	0.001	98	786341	5.00	5.00	
S 68 Diallate	86				0		12.5	13.4	
147 Pyrene	202	9.665	9.665	0.000	98	2354784	12.5	12.3	
200 Aramite Peak 1	185	9.846	9.836	0.010	0	70407	1.25	24.5	
192 Aramite Peak 2	185	9.846	9.859	-0.013	0	70407	1.25	30.7	
185 Aramite Peak 3	185	9.922	9.900	0.022	0	159992	5.00	10.9	
180 Aramite Peak 4	185	9.922	9.976	-0.054	0	159992	5.00	4.90	
149 p-Dimethylamino azobenzene	225	9.980	9.980	0.000	91	362982	12.5	14.5	
150 Chlorobenzilate	139	10.033	10.033	0.000	85	699374	12.5	13.6	
151 Famphur	218	10.272	10.302	-0.030	85	632663	12.5	9.40	
152 3,3'-Dimethylbenzidine	212	10.307	10.307	0.000	99	1153284	12.5	12.9	
153 Butyl benzyl phthalate	149	10.337	10.337	0.001	93	938265	12.5	13.5	
155 2-Acetylaminofluorene	181	10.564	10.564	0.000	93	771470	12.5	13.0	
156 Benzo[a]anthracene	228	10.868	10.868	0.000	99	1954895	12.5	12.9	
157 3,3'-Dichlorobenzidine	252	10.868	10.868	0.000	77	1050825	12.5	19.0	
158 4,4'-Methylene bis(2-chloroanil	231	10.880	10.880	0.000	96	382256	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
159 Chrysene	228	10.909	10.909	0.000	97	1831498	12.5	12.4	
160 Bis(2-ethylhexyl) phthalate	149	10.979	10.979	0.000	94	1213231	12.5	13.0	
S 94 Isosafrole	162				0		12.5	12.1	
161 6-Methylchrysene	242	11.428	11.428	0.000	98	1203481	12.5	12.8	
S 103 Aramite, Total	185				0		12.5	71.1	
162 Di-n-octyl phthalate	149	11.767	11.767	0.000	99	1980257	12.5	12.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.152	12.147	0.005	82	751646	12.5	13.2	
164 Benzo[b]fluoranthene	252	12.152	12.147	0.005	96	1829385	12.5	12.7	
165 Benzo[k]fluoranthene	252	12.188	12.182	0.006	99	1684233	12.5	11.3	
166 Benzo[a]pyrene	252	12.567	12.567	0.000	77	1632039	12.5	11.8	
* 167 Perylene-d12	264	12.643	12.643	0.000	98	594225	5.00	5.00	
168 3-Methylcholanthrene	268	13.063	13.057	0.006	91	763193	12.5	12.3	
169 Dibenz[a,h]acridine	279	13.805	13.805	0.000	91	1308614	12.5	12.4	
170 Dibenz[a,j]acridine	279	13.881	13.875	0.006	96	1285508	12.5	12.1	
171 Indeno[1,2,3-cd]pyrene	276	14.103	14.103	0.000	100	1419098	12.5	11.2	
172 Dibenz(a,h)anthracene	278	14.149	14.144	0.005	92	1424607	12.5	11.9	
173 Benzo[g,h,i]perylene	276	14.459	14.453	0.006	99	1474516	12.5	11.4	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 11:07:43 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2561.D

Injection Date: 26-Jun-2025 02:43:30 Instrument ID: HP23264 Operator ID: IR93211

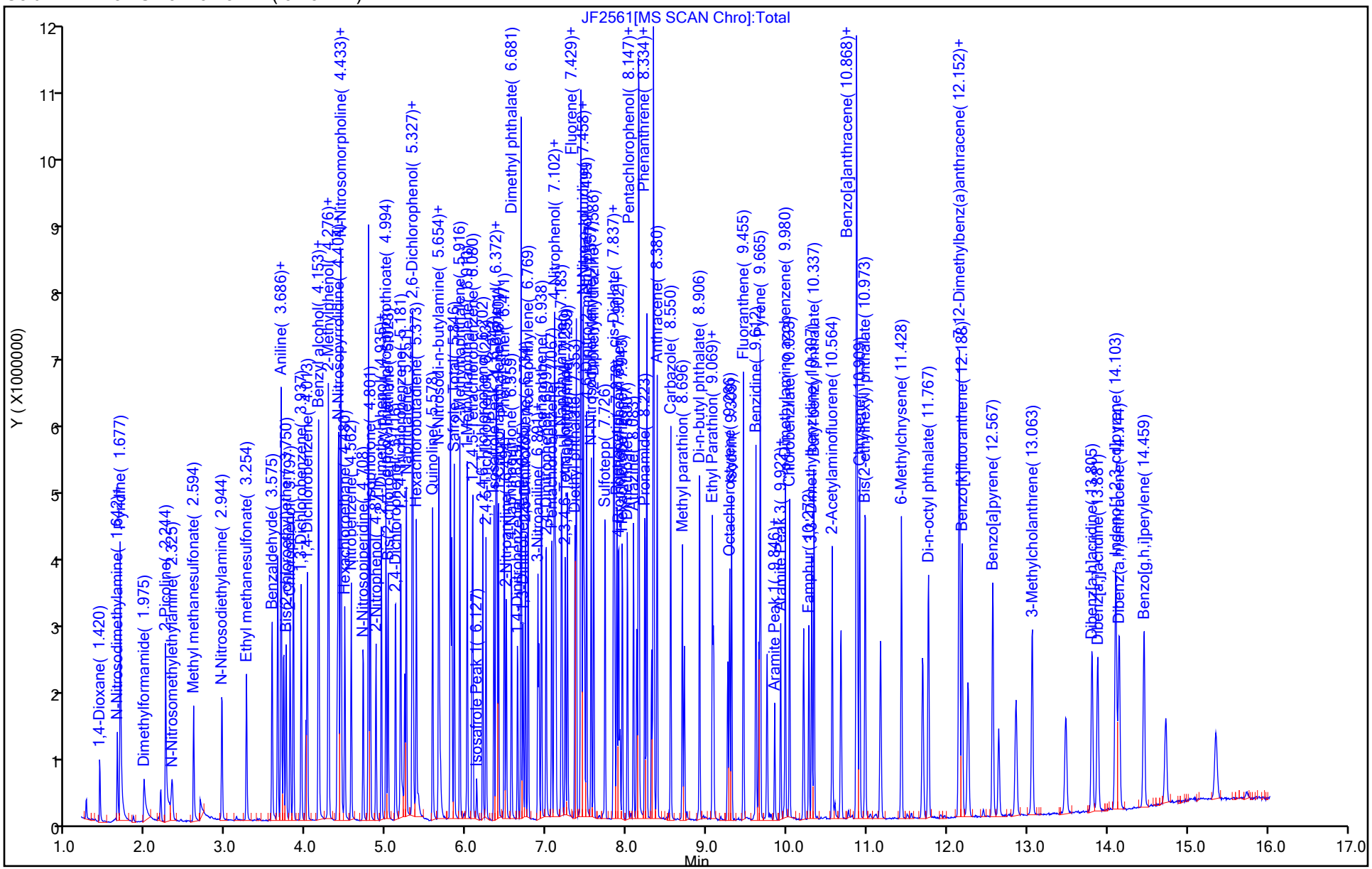
Lims ID: ICV FULL Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-663002/12 Calibration Date: 06/26/2025 02:43

Instrument ID: HP23264 Calib Start Date: 06/20/2025 12:10

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/20/2025 12:10

Lab File ID: JF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Aramite Peak 1	Ave	0.0183	0.3581		24.5	1.25	1861.8*	30.0
Aramite Peak 2	Ave	0.0146	0.3581		30.8	1.25	2359.8*	30.0
Aramite Peak 3	Ave	0.0934	0.2035		10.9	5.00	117.9*	30.0
Aramite Peak 4	Ave	0.2076	0.2035		4.90	5.00	-2.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2561.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 26-Jun-2025 02:43:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0151575-012
Operator ID: IR93211 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:32:41 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:59:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.420	1.426	-0.006	97	254496	12.5	11.8	
2 N-Nitrosodimethylamine	74	1.642	1.648	-0.006	94	489877	12.5	13.5	
3 Pyridine	79	1.677	1.683	-0.006	91	1475389	25.0	22.7	
4 Dimethylformamide	73	1.975	1.998	-0.023	97	580546	12.5	13.8	
5 2-Picoline	93	2.244	2.249	-0.005	93	753825	12.5	13.3	
6 N-Nitrosomethylethylamine	88	2.325	2.325	0.000	95	328526	12.5	12.4	
7 Methyl methanesulfonate	80	2.594	2.594	0.000	86	562467	12.5	13.6	
11 N-Nitrosodiethylamine	102	2.950	2.944	0.006	90	327122	12.5	12.4	
12 Ethyl methanesulfonate	109	3.254	3.254	0.000	92	338830	12.5	13.4	
13 Benzaldehyde	77	3.575	3.575	0.000	88	651667	12.5	11.7	
17 Aniline	93	3.686	3.686	0.000	68	1129827	12.5	13.4	
16 Phenol	94	3.686	3.686	0.000	78	1060592	12.5	13.8	
18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	87	715151	12.5	12.9	
19 2-Chlorophenol	128	3.797	3.797	0.000	88	563163	12.5	13.0	
21 1,3-Dichlorobenzene	146	3.937	3.937	0.000	92	651847	12.5	12.8	
* 22 1,4-Dichlorobenzene-d4	152	3.995	3.995	0.000	92	178528	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.013	4.013	0.000	88	653319	12.5	12.6	
26 Benzyl alcohol	108	4.153	4.153	0.000	85	470352	12.5	14.2	
27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	91	617671	12.5	12.7	
28 Indene	115		4.241				ND	ND	
30 2,2'-oxybis[1-chloropropane]	45	4.276	4.276	0.000	92	1334296	12.5	13.2	
29 2-Methylphenol	108	4.276	4.276	0.000	95	624650	12.5	12.8	
31 N-Nitrosopyrrolidine	100	4.387	4.387	0.000	81	410716	12.5	14.1	
32 Acetophenone	105	4.398	4.398	0.000	88	1070940	12.5	13.5	
33 N-Nitrosodi-n-propylamine	70	4.410	4.404	0.006	85	716852	12.5	13.8	
35 N-Nitrosomorpholine	56	4.427	4.427	0.000	87	647359	12.5	15.7	
34 4-Methylphenol	108	4.433	4.433	0.000	83	731001	12.5	14.0	
36 2-Toluidine	106	4.433	4.433	0.000	82	1129747	12.5	13.5	
37 Hexachloroethane	117	4.480	4.480	0.000	94	301178	12.5	12.0	
40 Nitrobenzene	77	4.562	4.562	0.000	88	966024	12.5	12.1	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	41 N-Nitrosopiperidine	114	4.714	4.708	0.006	78	323825	12.5	12.2	
	42 Isophorone	82	4.801	4.795	0.006	98	1703242	12.5	12.3	
	43 2-Nitrophenol	139	4.871	4.871	0.000	84	290548	12.5	12.5	
	44 2,4-Dimethylphenol	107	4.935	4.935	0.000	97	734866	12.5	12.9	
	46 o,o',o''-Triethylphosphorothioat	198	4.994	4.994	0.000	93	308255	12.5	12.1	
	47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	93	976870	12.5	12.3	
	48 Benzoic acid	105		5.046				12.5	ND	7
	49 2,4-Dichlorophenol	162	5.116	5.116	0.000	96	546323	12.5	12.8	
	50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	93	608654	12.5	11.7	
*	52 Naphthalene-d8	136	5.227	5.227	0.000	98	643974	5.00	5.00	
	53 Naphthalene	128	5.251	5.251	0.000	98	1637493	12.5	11.9	
	56 4-Chloroaniline	127	5.321	5.321	0.000	91	732024	12.5	13.5	
	57 2,6-Dichlorophenol	162	5.327	5.327	0.000	88	547965	12.5	12.5	
	58 Hexachloropropene	213	5.332	5.332	0.000	97	523392	12.5	12.5	
	59 Hexachlorobutadiene	225	5.373	5.373	0.000	95	398784	12.5	12.1	
	61 Quinoline	129	5.578	5.578	0.000	92	1129163	12.5	12.5	
	63 N-Nitrosodi-n-butylamine	84	5.654	5.654	0.000	92	765933	12.5	12.6	
	62 Caprolactam	113	5.659	5.654	0.005	68	166450	12.5	13.2	
	64 p-Phenylene diamine	108		5.671				ND	ND	U
	65 4-Chloro-3-methylphenol	107	5.817	5.817	0.000	92	633197	12.5	11.7	
	66 Safrole, Total	162	5.846	5.846	0.000	81	471653	12.5	12.6	
	67 2-Methylnaphthalene	142	5.916	5.916	0.000	90	1093480	12.5	13.5	
	69 1-Methylnaphthalene	142	6.010	6.010	0.000	91	1004452	12.5	11.3	
	71 Hexachlorocyclopentadiene	237		6.068				ND	ND	U
	70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	98	684146	12.5	12.0	a
	72 Isosafrole Peak 1	162	6.127	6.127	0.000	82	62165	1.50	1.41	
	79 2,4,6-Trichlorophenol	196	6.202	6.202	0.000	95	421855	12.5	13.3	
	80 2,4,5-Trichlorophenol	196	6.243	6.243	0.000	93	467484	12.5	13.2	
	82 Isosafrole Peak 2	162	6.343	6.343	0.000	86	507246	11.0	10.7	
	83 1,1'-Biphenyl	154	6.366	6.366	0.000	96	1402044	12.5	12.6	
	84 2-Chloronaphthalene	162	6.378	6.378	0.000	96	1141722	12.5	12.3	
	85 1-Chloronaphthalene	162	6.401	6.395	0.006	98	1176600	12.5	12.4	
	86 Phenyl ether	170	6.471	6.471	0.000	90	800053	12.5	11.6	
	87 2-Nitroaniline	138	6.494	6.494	0.000	72	352886	12.5	13.5	
	88 1,4-Naphthoquinone	158	6.565	6.559	0.005	73	485784	12.5	13.9	
	89 1,4-Dinitrobenzene	168	6.640	6.635	0.005	85	185893	12.5	13.5	
	90 Dimethyl phthalate	163	6.681	6.681	0.000	95	1359721	12.5	12.3	
	91 1,3-Dinitrobenzene	168	6.705	6.705	0.000	79	194847	12.5	13.4	
	92 2,6-Dinitrotoluene	165	6.734	6.734	0.000	81	308968	12.5	13.1	
	93 Acenaphthylene	152	6.769	6.769	0.000	98	1841990	12.5	12.6	
	95 3-Nitroaniline	138	6.891	6.891	0.000	85	309469	12.5	13.6	
*	96 Acenaphthene-d10	164	6.903	6.903	0.000	95	385493	5.00	5.00	
	97 Acenaphthene	153	6.938	6.932	0.006	98	1121196	12.5	11.8	
	98 2,4-Dinitrophenol	184	6.997	6.991	0.006	74	389116	25.0	25.3	
	99 Pentachlorobenzene	250	7.067	7.061	0.006	97	589632	12.5	12.4	
	100 4-Nitrophenol	109	7.096	7.090	0.006	87	515032	25.0	28.3	
	101 Dibenzofuran	168	7.102	7.102	0.000	97	1606426	12.5	12.1	
	102 2,4-Dinitrotoluene	165	7.113	7.113	0.000	85	415660	12.5	12.8	
	104 1-Naphthylamine	143	7.183	7.183	0.000	97	973553	12.5	11.4	
	105 2,3,4,6-Tetrachlorophenol	232	7.236	7.230	0.006	75	386311	12.5	12.5	
	106 2-Naphthylamine	143	7.259	7.259	0.000	95	1163542	12.5	13.0	
	107 Diethyl phthalate	149	7.353	7.353	0.000	95	1335597	12.5	12.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
108 Fluorene	166	7.429	7.423	0.006	92	1238670	12.5	12.3	
109 Thionazin	107	7.429	7.423	0.006	73	268526	12.5	13.1	
110 4-Chlorophenyl phenyl ether	204	7.440	7.440	0.000	93	642121	12.5	11.8	
111 N-Nitro-o-toluidine	152	7.458	7.458	0.000	72	371940	12.5	13.2	
112 4-Nitroaniline	138	7.475	7.470	0.005	76	279781	12.5	12.8	
113 4,6-Dinitro-2-methylphenol	198	7.499	7.499	0.000	68	497245	25.0	24.8	
114 N-Nitrosodiphenylamine	169	7.557	7.557	0.000	67	883090	10.6	10.5	
115 1,2-Diphenylhydrazine	77	7.586	7.586	0.000	99	1998495	12.5	12.1	
117 Sulfotepp	97	7.726	7.726	0.000	76	365819	12.5	12.8	
120 cis-Diallate	86	7.832	7.832	0.000	96	568477	9.38	10.2	
119 Phorate	75	7.843	7.843	0.000	93	1812468	12.5	12.9	
118 1,3,5-Trinitrobenzene	213	7.855	7.849	0.006	81	132089	12.5	12.7	a
121 Phenacetin	108	7.878	7.872	0.006	89	821132	12.5	13.0	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	72	401529	12.5	12.3	
123 trans-Diallate	86	7.919	7.913	0.006	97	186205	3.13	3.25	
124 Hexachlorobenzene	284	7.948	7.942	0.006	94	445987	12.5	11.4	
125 Dimethoate	87	8.007	8.007	0.000	95	714422	12.5	13.4	
126 Atrazine	200	8.083	8.083	0.000	85	384344	12.5	11.9	
127 Pentachlorophenol	266	8.147	8.147	0.000	90	568886	25.0	23.7	
129 4-Aminobiphenyl	169	8.153	8.147	0.006	91	1289037	12.5	11.3	
128 Pentachloronitrobenzene	237	8.153	8.153	0.000	51	231651	12.5	11.9	
130 Pronamide	173	8.229	8.223	0.006	90	663198	12.5	12.2	
* 131 Phenanthrene-d10	188	8.310	8.310	0.000	98	725649	5.00	5.00	
132 Phenanthrene	178	8.334	8.328	0.006	98	1846969	12.5	11.5	
133 Dinoseb	211	8.334	8.334	0.000	91	365693	12.5	12.3	
134 Disulfoton	88	8.340	8.340	0.000	97	1013960	12.5	11.8	
135 Anthracene	178	8.380	8.380	0.000	99	1923570	12.5	12.2	
136 Carbazole	167	8.550	8.550	0.000	96	1779444	12.5	12.6	
137 Methyl parathion	109	8.696	8.696	0.000	89	594543	12.5	14.9	
138 Di-n-butyl phthalate	149	8.912	8.906	0.006	100	2237439	12.5	13.6	
139 Ethyl Parathion	109	9.069	9.069	0.000	80	344113	12.5	15.1	
140 4-Nitroquinoline-1-oxide	190	9.087	9.081	0.006	85	182500	12.5	13.1	
142 Octachlorostyrene	308	9.286	9.285	0.001	90	184430	12.5	12.4	
143 Isodrin	193	9.309	9.309	0.000	92	267555	12.5	11.4	
144 Fluoranthene	202	9.455	9.455	0.000	98	2232712	12.5	12.7	
145 Benzidine	184	9.612	9.612	0.000	99	1663147	12.5	16.1	
* 146 Pyrene-d10 (IS)	212	9.648	9.647	0.001	98	786341	5.00	5.00	
S 68 Diallate	86				0		12.5	13.4	
147 Pyrene	202	9.665	9.665	0.000	98	2354784	12.5	12.3	
200 Aramite Peak 1	185	9.846	9.836	0.010	0	70407	1.25	24.5	
192 Aramite Peak 2	185	9.846	9.859	-0.013	0	70407	1.25	30.7	
185 Aramite Peak 3	185	9.922	9.900	0.022	0	159992	5.00	10.9	
180 Aramite Peak 4	185	9.922	9.976	-0.054	0	159992	5.00	4.90	
149 p-Dimethylamino azobenzene	225	9.980	9.980	0.000	91	362982	12.5	14.5	
150 Chlorobenzilate	139	10.033	10.033	0.000	85	699374	12.5	13.6	
151 Famphur	218	10.272	10.302	-0.030	85	632663	12.5	9.40	
152 3,3'-Dimethylbenzidine	212	10.307	10.307	0.000	99	1153284	12.5	12.9	
153 Butyl benzyl phthalate	149	10.337	10.337	0.001	93	938265	12.5	13.5	
155 2-Acetylaminofluorene	181	10.564	10.564	0.000	93	771470	12.5	13.0	
156 Benzo[a]anthracene	228	10.868	10.868	0.000	99	1954895	12.5	12.9	
157 3,3'-Dichlorobenzidine	252	10.868	10.868	0.000	77	1050825	12.5	19.0	
158 4,4'-Methylene bis(2-chloroanil	231	10.880	10.880	0.000	96	382256	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
159 Chrysene	228	10.909	10.909	0.000	97	1831498	12.5	12.4	
160 Bis(2-ethylhexyl) phthalate	149	10.979	10.979	0.000	94	1213231	12.5	13.0	
S 94 Isosafrole	162				0		12.5	12.1	
161 6-Methylchrysene	242	11.428	11.428	0.000	98	1203481	12.5	12.8	
S 103 Aramite, Total	185				0		12.5	71.1	
162 Di-n-octyl phthalate	149	11.767	11.767	0.000	99	1980257	12.5	12.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.152	12.147	0.005	82	751646	12.5	13.2	
164 Benzo[b]fluoranthene	252	12.152	12.147	0.005	96	1829385	12.5	12.7	
165 Benzo[k]fluoranthene	252	12.188	12.182	0.006	99	1684233	12.5	11.3	
166 Benzo[a]pyrene	252	12.567	12.567	0.000	77	1632039	12.5	11.8	
* 167 Perylene-d12	264	12.643	12.643	0.000	98	594225	5.00	5.00	
168 3-Methylcholanthrene	268	13.063	13.057	0.006	91	763193	12.5	12.3	
169 Dibenz[a,h]acridine	279	13.805	13.805	0.000	91	1308614	12.5	12.4	
170 Dibenz[a,j]acridine	279	13.881	13.875	0.006	96	1285508	12.5	12.1	
171 Indeno[1,2,3-cd]pyrene	276	14.103	14.103	0.000	100	1419098	12.5	11.2	
172 Dibenz(a,h)anthracene	278	14.149	14.144	0.005	92	1424607	12.5	11.9	
173 Benzo[g,h,i]perylene	276	14.459	14.453	0.006	99	1474516	12.5	11.4	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 11:07:43 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2561.D

Injection Date: 26-Jun-2025 02:43:30 Instrument ID: HP23264 Operator ID: IR93211

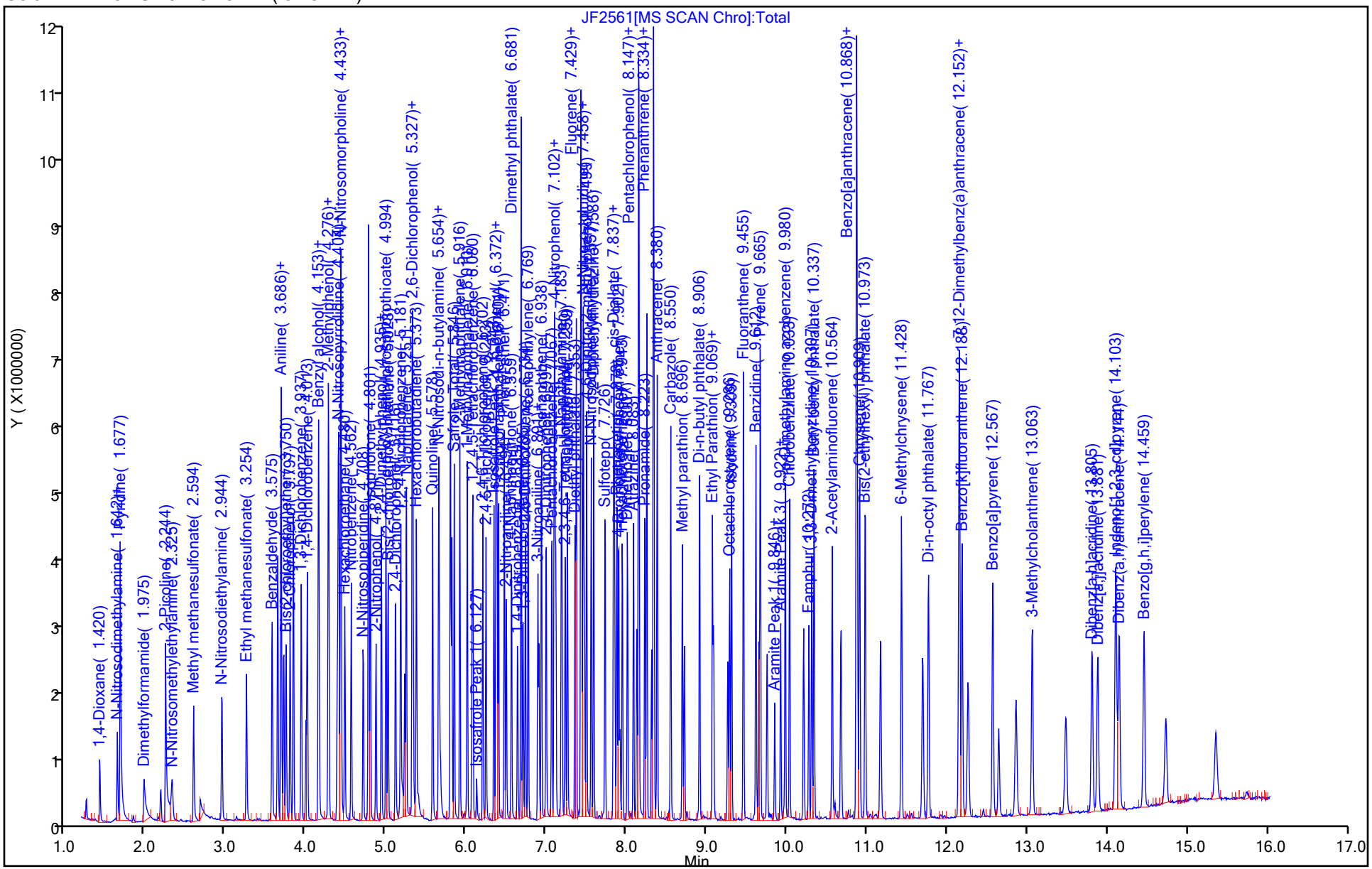
Lims ID: ICV FULL Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-663002/12 Calibration Date: 06/26/2025 02:43

Instrument ID: HP23264 Calib Start Date: 06/25/2025 23:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 01:38

Lab File ID: JF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6065	0.5702		11.8	12.5	-6.0	30.0
N-Nitrosodimethylamine	Ave	1.019	1.098		13.5	12.5	7.7	30.0
Pyridine	Ave	1.823	1.653		22.7	25.0	-9.3	30.0
N,N-dimethylformamide	Ave	1.182	1.301		13.8	12.5	10.0	30.0
2-Picoline	Ave	1.583	1.689		13.3	12.5	6.7	30.0
N-Nitrosomethylethylamine	Ave	0.7400	0.7361		12.4	12.5	-0.5	30.0
Methyl methanesulfonate	Ave	1.159	1.260		13.6	12.5	8.7	30.0
N-Nitrosodiethylamine	Ave	0.7371	0.7329		12.4	12.5	-0.6	30.0
Ethyl methanesulfonate	Ave	0.7105	0.7592		13.4	12.5	6.9	30.0
Benzaldehyde	Ave	1.563	1.460	0.0100	11.7	12.5	-6.6	30.0
Aniline	Ave	2.362	2.531		13.4	12.5	7.2	30.0
Phenol	Ave	2.148	2.376	0.8000	13.8	12.5	10.6	30.0
Bis(2-chloroethyl)ether	Ave	1.547	1.602	0.7000	13.0	12.5	3.6	30.0
2-Chlorophenol	Ave	1.209	1.262	0.8000	13.0	12.5	4.3	30.0
1,3-Dichlorobenzene	Ave	1.429	1.460		12.8	12.5	2.2	30.0
1,4-Dichlorobenzene	Ave	1.449	1.464		12.6	12.5	1.0	30.0
Benzyl alcohol	Ave	0.9290	1.054		14.2	12.5	13.4	30.0
1,2-Dichlorobenzene	Ave	1.358	1.384		12.7	12.5	1.9	30.0
bis (2-chloroisopropyl) ether	Ave	2.831	2.990	0.0100	13.2	12.5	5.6	30.0
o-Cresol	Ave	1.372	1.400	0.7000	12.8	12.5	2.0	30.0
N-Nitrosopyrrolidine	Ave	0.8158	0.9202		14.1	12.5	12.8	30.0
Acetophenone	Ave	2.228	2.399	0.0100	13.5	12.5	7.7	30.0
N-Nitrosodi-n-propylamine	Ave	1.454	1.606	0.5000	13.8	12.5	10.5	30.0
N-Nitrosomorpholine	Ave	1.152	1.450		15.7	12.5	25.9	30.0
2-Toluidine	Ave	2.337	2.531		13.5	12.5	8.3	30.0
m & p-Cresol	Ave	1.464	1.638	0.6000	14.0	12.5	11.9	30.0
Hexachloroethane	Ave	0.7022	0.6748	0.3000	12.0	12.5	-3.9	30.0
Nitrobenzene	Ave	0.6208	0.6000	0.2000	12.1	12.5	-3.3	30.0
N-Nitrosopiperidine	Ave	0.2054	0.2011		12.2	12.5	-2.1	30.0
Isophorone	Ave	1.072	1.058	0.4000	12.3	12.5	-1.3	30.0
2-Nitrophenol	Ave	0.1801	0.1805	0.1000	12.5	12.5	0.2	30.0
2,4-Dimethylphenol	Ave	0.4434	0.4565	0.2000	12.9	12.5	3.0	30.0
o,o',o''-Triethylphosphorothioate	Ave	0.1982	0.1915		12.1	12.5	-3.4	30.0
Bis(2-chloroethoxy)methane	Ave	0.6145	0.6068	0.3000	12.3	12.5	-1.3	30.0
2,4-Dichlorophenol	Ave	0.3309	0.3393	0.2000	12.8	12.5	2.6	30.0
1,2,4-Trichlorobenzene	Ave	0.4043	0.3781		11.7	12.5	-6.5	30.0
Naphthalene	Ave	1.072	1.017	0.7000	11.9	12.5	-5.1	30.0
4-Chloroaniline	Ave	0.4205	0.4547	0.0100	13.5	12.5	8.1	30.0
2,6-Dichlorophenol	Ave	0.3395	0.3404		12.5	12.5	0.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-663002/12 Calibration Date: 06/26/2025 02:43

Instrument ID: HP23264 Calib Start Date: 06/25/2025 23:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 01:38

Lab File ID: JF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachloropropene	Ave	0.3242	0.3251		12.5	12.5	0.3	30.0
Hexachlorobutadiene	Ave	0.2550	0.2477	0.0100	12.1	12.5	-2.9	30.0
Quinoline	Ave	0.6990	0.7014		12.5	12.5	0.3	30.0
N-Nitrosodi-n-butylamine	Ave	0.4721	0.4758		12.6	12.5	0.8	30.0
Caprolactam	Ave	0.0980	0.1034	0.0100	13.2	12.5	5.5	30.0
4-Chloro-3-methylphenol	Ave	0.4197	0.3933	0.2000	11.7	12.5	-6.3	30.0
Safrole, Total	Ave	0.2911	0.2930		12.6	12.5	0.6	30.0
2-Methylnaphthalene	Ave	0.6282	0.6792	0.4000	13.5	12.5	8.1	30.0
1-Methylnaphthalene	Ave	0.6879	0.6239		11.3	12.5	-9.3	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7422	0.7099	0.0100	12.0	12.5	-4.3	30.0
Isosafrole Peak 1	Ave	0.5729	0.5375		1.41	1.50	-6.2	30.0
2,4,6-Trichlorophenol	Ave	0.4121	0.4377	0.2000	13.3	12.5	6.2	30.0
2,4,5-Trichlorophenol	Ave	0.4596	0.4851	0.2000	13.2	12.5	5.5	30.0
Isosafrole Peak 2	Ave	0.6169	0.5981		10.7	11.0	-3.0	30.0
1,1'-Biphenyl	Ave	1.442	1.455	0.0100	12.6	12.5	0.9	30.0
2-Chloronaphthalene	Ave	1.201	1.185	0.8000	12.3	12.5	-1.3	30.0
1-Chloronaphthalene	Ave	1.228	1.221		12.4	12.5	-0.6	30.0
Diphenyl ether	Ave	0.8978	0.8302		11.6	12.5	-7.5	30.0
2-Nitroaniline	Ave	0.3401	0.3662	0.0100	13.5	12.5	7.7	30.0
1,4-Naphthoquinone	Ave	0.4526	0.5041		13.9	12.5	11.4	30.0
1,4-Dinitrobenzene	Ave	0.1785	0.1929		13.5	12.5	8.1	30.0
Dimethyl phthalate	Ave	1.435	1.411	0.0100	12.3	12.5	-1.7	30.0
1,3-Dinitrobenzene	Ave	0.1883	0.2022		13.4	12.5	7.4	30.0
2,6-Dinitrotoluene	Ave	0.3067	0.3206	0.2000	13.1	12.5	4.5	30.0
Acenaphthylene	Ave	1.894	1.911	0.9000	12.6	12.5	0.9	30.0
3-Nitroaniline	Ave	0.2952	0.3211	0.0100	13.6	12.5	8.8	30.0
Acenaphthene	Ave	1.232	1.163	0.9000	11.8	12.5	-5.5	30.0
2,4-Dinitrophenol	Ave	0.1998	0.2019	0.0100	25.3	25.0	1.1	30.0
Pentachlorobenzene	Ave	0.6162	0.6118		12.4	12.5	-0.7	30.0
4-Nitrophenol	Ave	0.2360	0.2672	0.0100	28.3	25.0	13.2	30.0
Dibenzofuran	Ave	1.716	1.667	0.8000	12.1	12.5	-2.9	30.0
2,4-Dinitrotoluene	Ave	0.4214	0.4313	0.2000	12.8	12.5	2.3	30.0
1-Naphthylamine	Ave	1.110	1.010		11.4	12.5	-9.0	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3995	0.4008	0.0100	12.5	12.5	0.3	30.0
2-Naphthylamine	Ave	1.159	1.207		13.0	12.5	4.2	30.0
Diethyl phthalate	Ave	1.437	1.386	0.0100	12.1	12.5	-3.6	30.0
Fluorene	Ave	1.311	1.285	0.9000	12.3	12.5	-2.0	30.0
O,O-Diethyl O-2-pyrazinyl phosphorothioate	Ave	0.2653	0.2786		13.1	12.5	5.0	30.0
4-Chlorophenyl-phenyl ether	Ave	0.7055	0.6663	0.4000	11.8	12.5	-5.6	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-663002/12 Calibration Date: 06/26/2025 02:43

Instrument ID: HP23264 Calib Start Date: 06/25/2025 23:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 01:38

Lab File ID: JF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
5-Nitro-o-toluidine	Ave	0.3654	0.3859		13.2	12.5	5.6	30.0
4-Nitroaniline	Ave	0.2840	0.2903	0.0100	12.8	12.5	2.2	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1382	0.1370	0.0100	24.8	25.0	-0.8	30.0
n-Nitrosodiphenylamine(as diphenylamine)	Ave	0.5805	0.5727	0.0100	10.5	10.6	-1.3	30.0
1,2-Diphenylhydrazine	Ave	1.139	1.102		12.1	12.5	-3.3	30.0
Sulfotepp	Ave	0.1967	0.2017		12.8	12.5	2.5	30.0
cis-Diallate	Ave	0.3849	0.4178		10.2	9.38	8.6	30.0
Phorate	Ave	0.9677	0.999		12.9	12.5	3.2	30.0
1,3,5-Trinitrobenzene	Ave	0.0719	0.0728			12.5	1.2	30.0
Phenacetin	Ave	0.4359	0.4526		13.0	12.5	3.8	30.0
4-Bromophenyl-phenylether	Ave	0.2247	0.2213	0.1000	12.3	12.5	-1.5	30.0
trans-Diallate	Ave	0.3953	0.4106		3.25	3.13	3.9	30.0
Hexachlorobenzene	Ave	0.2688	0.2458	0.1000	11.4	12.5	-8.5	30.0
Dimethoate	Ave	0.3682	0.3938		13.4	12.5	6.9	30.0
Atrazine	Ave	0.2232	0.2119	0.0100	11.9	12.5	-5.1	30.0
Pentachlorophenol	Ave	0.1657	0.1568	0.0500	23.7	25.0	-5.4	30.0
4-Aminobiphenyl	Ave	0.7882	0.7106		11.3	12.5	-9.8	30.0
Pentachloronitrobenzene	Ave	0.1344	0.1277		11.9	12.5	-5.0	30.0
Pronamide	Ave	0.3739	0.3656		12.2	12.5	-2.2	30.0
Dinoseb	Ave	0.2051	0.2016		12.3	12.5	-1.7	30.0
Phenanthrene	Ave	1.105	1.018	0.7000	11.5	12.5	-7.8	30.0
Disulfoton	Ave	0.5922	0.5589		11.8	12.5	-5.6	30.0
Anthracene	Ave	1.084	1.060	0.7000	12.2	12.5	-2.2	30.0
Carbazole	Ave	0.9697	0.9809	0.0100	12.6	12.5	1.2	30.0
Methyl parathion	Ave	0.2758	0.3277		14.9	12.5	18.8	30.0
Di-n-butyl phthalate	Ave	1.138	1.233	0.0100	13.6	12.5	8.4	30.0
Parathion	Ave	0.1575	0.1897		15.1	12.5	20.4	30.0
4-Nitroquinoline-1-oxide	Ave	0.0956	0.1006		13.2	12.5	5.2	30.0
Octachlorostyrene	Ave	0.1023	0.1017		12.4	12.5	-0.7	30.0
Isodrin	Ave	0.1617	0.1475		11.4	12.5	-8.8	30.0
Fluoranthene	Ave	1.215	1.231	0.6000	12.7	12.5	1.3	30.0
Benzidine	Ave	0.6554	0.8460		16.1	12.5	29.1	30.0
Pyrene	Ave	1.222	1.198	0.6000	12.3	12.5	-2.0	30.0
p-Dimethylamino azobenzene	Ave	0.1592	0.1846		14.5	12.5	16.0	30.0
Chlorobenzilate	Ave	0.3268	0.3558		13.6	12.5	8.9	30.0
3,3'-Dimethylbenzidine	Ave	0.5672	0.5867		12.9	12.5	3.4	30.0
Butyl benzyl phthalate	Ave	0.4430	0.4773	0.0100	13.5	12.5	7.7	30.0
2-Acetylaminofluorene	Ave	0.3770	0.3924		13.0	12.5	4.1	30.0
3,3'-Dichlorobenzidine	Ave	0.3519	0.5345	0.0100	19.0	12.5	51.9*	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICV 410-663002/12 Calibration Date: 06/26/2025 02:43

Instrument ID: HP23264 Calib Start Date: 06/25/2025 23:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 01:38

Lab File ID: JF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]anthracene	Ave	0.9660	0.9944	0.8000	12.9	12.5	2.9	30.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.1883	0.1944		12.9	12.5	3.3	30.0
Chrysene	Ave	0.9387	0.9317	0.7000	12.4	12.5	-0.8	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.5917	0.6172	0.0100	13.0	12.5	4.3	30.0
6-Methylchrysene	Ave	0.5985	0.6122		12.8	12.5	2.3	30.0
Di-n-octyl phthalate	Ave	1.298	1.333	0.0100	12.8	12.5	2.7	30.0
7,12-Dimethylbenz(a)anthracene	Ave	0.4799	0.5060		13.2	12.5	5.4	30.0
Benzo[b]fluoranthene	Ave	1.216	1.231	0.7000	12.7	12.5	1.2	30.0
Benzo[k]fluoranthene	Ave	1.256	1.134	0.7000	11.3	12.5	-9.8	30.0
Benzo[a]pyrene	Ave	1.162	1.099	0.7000	11.8	12.5	-5.4	30.0
3-Methylcholanthrene	Ave	0.5205	0.5137		12.3	12.5	-1.3	30.0
Dibenz[a,h]acridine	Ave	0.8851	0.8809		12.4	12.5	-0.5	30.0
Dibenz[a,j]acridine	Ave	0.8940	0.8653		12.1	12.5	-3.2	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.067	0.9553	0.5000	11.2	12.5	-10.5	30.0
Dibenz(a,h)anthracene	Ave	1.006	0.9590	0.4000	11.9	12.5	-4.7	30.0
Benzo[g,h,i]perylene	Ave	1.088	0.9926	0.5000	11.4	12.5	-8.8	30.0
1,4-phenylenediamine	Ave	0.3460				12.5		
Hexachlorocyclopentadiene	Ave	0.5259				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2561.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 26-Jun-2025 02:43:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0151575-012
Operator ID: IR93211 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:32:41 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:59:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.420	1.426	-0.006	97	254496	12.5	11.8	
2 N-Nitrosodimethylamine	74	1.642	1.648	-0.006	94	489877	12.5	13.5	
3 Pyridine	79	1.677	1.683	-0.006	91	1475389	25.0	22.7	
4 Dimethylformamide	73	1.975	1.998	-0.023	97	580546	12.5	13.8	
5 2-Picoline	93	2.244	2.249	-0.005	93	753825	12.5	13.3	
6 N-Nitrosomethylethylamine	88	2.325	2.325	0.000	95	328526	12.5	12.4	
7 Methyl methanesulfonate	80	2.594	2.594	0.000	86	562467	12.5	13.6	
11 N-Nitrosodiethylamine	102	2.950	2.944	0.006	90	327122	12.5	12.4	
12 Ethyl methanesulfonate	109	3.254	3.254	0.000	92	338830	12.5	13.4	
13 Benzaldehyde	77	3.575	3.575	0.000	88	651667	12.5	11.7	
17 Aniline	93	3.686	3.686	0.000	68	1129827	12.5	13.4	
16 Phenol	94	3.686	3.686	0.000	78	1060592	12.5	13.8	
18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	87	715151	12.5	12.9	
19 2-Chlorophenol	128	3.797	3.797	0.000	88	563163	12.5	13.0	
21 1,3-Dichlorobenzene	146	3.937	3.937	0.000	92	651847	12.5	12.8	
* 22 1,4-Dichlorobenzene-d4	152	3.995	3.995	0.000	92	178528	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.013	4.013	0.000	88	653319	12.5	12.6	
26 Benzyl alcohol	108	4.153	4.153	0.000	85	470352	12.5	14.2	
27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	91	617671	12.5	12.7	
28 Indene	115		4.241				ND	ND	
30 2,2'-oxybis[1-chloropropane]	45	4.276	4.276	0.000	92	1334296	12.5	13.2	
29 2-Methylphenol	108	4.276	4.276	0.000	95	624650	12.5	12.8	
31 N-Nitrosopyrrolidine	100	4.387	4.387	0.000	81	410716	12.5	14.1	
32 Acetophenone	105	4.398	4.398	0.000	88	1070940	12.5	13.5	
33 N-Nitrosodi-n-propylamine	70	4.410	4.404	0.006	85	716852	12.5	13.8	
35 N-Nitrosomorpholine	56	4.427	4.427	0.000	87	647359	12.5	15.7	
34 4-Methylphenol	108	4.433	4.433	0.000	83	731001	12.5	14.0	
36 2-Toluidine	106	4.433	4.433	0.000	82	1129747	12.5	13.5	
37 Hexachloroethane	117	4.480	4.480	0.000	94	301178	12.5	12.0	
40 Nitrobenzene	77	4.562	4.562	0.000	88	966024	12.5	12.1	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	41 N-Nitrosopiperidine	114	4.714	4.708	0.006	78	323825	12.5	12.2	
	42 Isophorone	82	4.801	4.795	0.006	98	1703242	12.5	12.3	
	43 2-Nitrophenol	139	4.871	4.871	0.000	84	290548	12.5	12.5	
	44 2,4-Dimethylphenol	107	4.935	4.935	0.000	97	734866	12.5	12.9	
	46 o,o',o''-Triethylphosphorothioat	198	4.994	4.994	0.000	93	308255	12.5	12.1	
	47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	93	976870	12.5	12.3	
	48 Benzoic acid	105		5.046				12.5	ND	7
	49 2,4-Dichlorophenol	162	5.116	5.116	0.000	96	546323	12.5	12.8	
	50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	93	608654	12.5	11.7	
*	52 Naphthalene-d8	136	5.227	5.227	0.000	98	643974	5.00	5.00	
	53 Naphthalene	128	5.251	5.251	0.000	98	1637493	12.5	11.9	
	56 4-Chloroaniline	127	5.321	5.321	0.000	91	732024	12.5	13.5	
	57 2,6-Dichlorophenol	162	5.327	5.327	0.000	88	547965	12.5	12.5	
	58 Hexachloropropene	213	5.332	5.332	0.000	97	523392	12.5	12.5	
	59 Hexachlorobutadiene	225	5.373	5.373	0.000	95	398784	12.5	12.1	
	61 Quinoline	129	5.578	5.578	0.000	92	1129163	12.5	12.5	
	63 N-Nitrosodi-n-butylamine	84	5.654	5.654	0.000	92	765933	12.5	12.6	
	62 Caprolactam	113	5.659	5.654	0.005	68	166450	12.5	13.2	
	64 p-Phenylene diamine	108		5.671				ND	ND	U
	65 4-Chloro-3-methylphenol	107	5.817	5.817	0.000	92	633197	12.5	11.7	
	66 Safrole, Total	162	5.846	5.846	0.000	81	471653	12.5	12.6	
	67 2-Methylnaphthalene	142	5.916	5.916	0.000	90	1093480	12.5	13.5	
	69 1-Methylnaphthalene	142	6.010	6.010	0.000	91	1004452	12.5	11.3	
	71 Hexachlorocyclopentadiene	237		6.068				ND	ND	U
	70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	98	684146	12.5	12.0	a
	72 Isosafrole Peak 1	162	6.127	6.127	0.000	82	62165	1.50	1.41	
	79 2,4,6-Trichlorophenol	196	6.202	6.202	0.000	95	421855	12.5	13.3	
	80 2,4,5-Trichlorophenol	196	6.243	6.243	0.000	93	467484	12.5	13.2	
	82 Isosafrole Peak 2	162	6.343	6.343	0.000	86	507246	11.0	10.7	
	83 1,1'-Biphenyl	154	6.366	6.366	0.000	96	1402044	12.5	12.6	
	84 2-Chloronaphthalene	162	6.378	6.378	0.000	96	1141722	12.5	12.3	
	85 1-Chloronaphthalene	162	6.401	6.395	0.006	98	1176600	12.5	12.4	
	86 Phenyl ether	170	6.471	6.471	0.000	90	800053	12.5	11.6	
	87 2-Nitroaniline	138	6.494	6.494	0.000	72	352886	12.5	13.5	
	88 1,4-Naphthoquinone	158	6.565	6.559	0.005	73	485784	12.5	13.9	
	89 1,4-Dinitrobenzene	168	6.640	6.635	0.005	85	185893	12.5	13.5	
	90 Dimethyl phthalate	163	6.681	6.681	0.000	95	1359721	12.5	12.3	
	91 1,3-Dinitrobenzene	168	6.705	6.705	0.000	79	194847	12.5	13.4	
	92 2,6-Dinitrotoluene	165	6.734	6.734	0.000	81	308968	12.5	13.1	
	93 Acenaphthylene	152	6.769	6.769	0.000	98	1841990	12.5	12.6	
	95 3-Nitroaniline	138	6.891	6.891	0.000	85	309469	12.5	13.6	
*	96 Acenaphthene-d10	164	6.903	6.903	0.000	95	385493	5.00	5.00	
	97 Acenaphthene	153	6.938	6.932	0.006	98	1121196	12.5	11.8	
	98 2,4-Dinitrophenol	184	6.997	6.991	0.006	74	389116	25.0	25.3	
	99 Pentachlorobenzene	250	7.067	7.061	0.006	97	589632	12.5	12.4	
	100 4-Nitrophenol	109	7.096	7.090	0.006	87	515032	25.0	28.3	
	101 Dibenzofuran	168	7.102	7.102	0.000	97	1606426	12.5	12.1	
	102 2,4-Dinitrotoluene	165	7.113	7.113	0.000	85	415660	12.5	12.8	
	104 1-Naphthylamine	143	7.183	7.183	0.000	97	973553	12.5	11.4	
	105 2,3,4,6-Tetrachlorophenol	232	7.236	7.230	0.006	75	386311	12.5	12.5	
	106 2-Naphthylamine	143	7.259	7.259	0.000	95	1163542	12.5	13.0	
	107 Diethyl phthalate	149	7.353	7.353	0.000	95	1335597	12.5	12.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
108 Fluorene	166	7.429	7.423	0.006	92	1238670	12.5	12.3	
109 Thionazin	107	7.429	7.423	0.006	73	268526	12.5	13.1	
110 4-Chlorophenyl phenyl ether	204	7.440	7.440	0.000	93	642121	12.5	11.8	
111 N-Nitro-o-toluidine	152	7.458	7.458	0.000	72	371940	12.5	13.2	
112 4-Nitroaniline	138	7.475	7.470	0.005	76	279781	12.5	12.8	
113 4,6-Dinitro-2-methylphenol	198	7.499	7.499	0.000	68	497245	25.0	24.8	
114 N-Nitrosodiphenylamine	169	7.557	7.557	0.000	67	883090	10.6	10.5	
115 1,2-Diphenylhydrazine	77	7.586	7.586	0.000	99	1998495	12.5	12.1	
117 Sulfotepp	97	7.726	7.726	0.000	76	365819	12.5	12.8	
120 cis-Diallate	86	7.832	7.832	0.000	96	568477	9.38	10.2	
119 Phorate	75	7.843	7.843	0.000	93	1812468	12.5	12.9	
118 1,3,5-Trinitrobenzene	213	7.855	7.849	0.006	81	132089	12.5	12.7	a
121 Phenacetin	108	7.878	7.872	0.006	89	821132	12.5	13.0	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	72	401529	12.5	12.3	
123 trans-Diallate	86	7.919	7.913	0.006	97	186205	3.13	3.25	
124 Hexachlorobenzene	284	7.948	7.942	0.006	94	445987	12.5	11.4	
125 Dimethoate	87	8.007	8.007	0.000	95	714422	12.5	13.4	
126 Atrazine	200	8.083	8.083	0.000	85	384344	12.5	11.9	
127 Pentachlorophenol	266	8.147	8.147	0.000	90	568886	25.0	23.7	
129 4-Aminobiphenyl	169	8.153	8.147	0.006	91	1289037	12.5	11.3	
128 Pentachloronitrobenzene	237	8.153	8.153	0.000	51	231651	12.5	11.9	
130 Pronamide	173	8.229	8.223	0.006	90	663198	12.5	12.2	
* 131 Phenanthrene-d10	188	8.310	8.310	0.000	98	725649	5.00	5.00	
132 Phenanthrene	178	8.334	8.328	0.006	98	1846969	12.5	11.5	
133 Dinoseb	211	8.334	8.334	0.000	91	365693	12.5	12.3	
134 Disulfoton	88	8.340	8.340	0.000	97	1013960	12.5	11.8	
135 Anthracene	178	8.380	8.380	0.000	99	1923570	12.5	12.2	
136 Carbazole	167	8.550	8.550	0.000	96	1779444	12.5	12.6	
137 Methyl parathion	109	8.696	8.696	0.000	89	594543	12.5	14.9	
138 Di-n-butyl phthalate	149	8.912	8.906	0.006	100	2237439	12.5	13.6	
139 Ethyl Parathion	109	9.069	9.069	0.000	80	344113	12.5	15.1	
140 4-Nitroquinoline-1-oxide	190	9.087	9.081	0.006	85	182500	12.5	13.1	
142 Octachlorostyrene	308	9.286	9.285	0.001	90	184430	12.5	12.4	
143 Isodrin	193	9.309	9.309	0.000	92	267555	12.5	11.4	
144 Fluoranthene	202	9.455	9.455	0.000	98	2232712	12.5	12.7	
145 Benzidine	184	9.612	9.612	0.000	99	1663147	12.5	16.1	
* 146 Pyrene-d10 (IS)	212	9.648	9.647	0.001	98	786341	5.00	5.00	
S 68 Diallate	86				0		12.5	13.4	
147 Pyrene	202	9.665	9.665	0.000	98	2354784	12.5	12.3	
200 Aramite Peak 1	185	9.846	9.836	0.010	0	70407	1.25	24.5	
192 Aramite Peak 2	185	9.846	9.859	-0.013	0	70407	1.25	30.7	
185 Aramite Peak 3	185	9.922	9.900	0.022	0	159992	5.00	10.9	
180 Aramite Peak 4	185	9.922	9.976	-0.054	0	159992	5.00	4.90	
149 p-Dimethylamino azobenzene	225	9.980	9.980	0.000	91	362982	12.5	14.5	
150 Chlorobenzilate	139	10.033	10.033	0.000	85	699374	12.5	13.6	
151 Famphur	218	10.272	10.302	-0.030	85	632663	12.5	9.40	
152 3,3'-Dimethylbenzidine	212	10.307	10.307	0.000	99	1153284	12.5	12.9	
153 Butyl benzyl phthalate	149	10.337	10.337	0.001	93	938265	12.5	13.5	
155 2-Acetylaminofluorene	181	10.564	10.564	0.000	93	771470	12.5	13.0	
156 Benzo[a]anthracene	228	10.868	10.868	0.000	99	1954895	12.5	12.9	
157 3,3'-Dichlorobenzidine	252	10.868	10.868	0.000	77	1050825	12.5	19.0	
158 4,4'-Methylene bis(2-chloroanil	231	10.880	10.880	0.000	96	382256	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
159 Chrysene	228	10.909	10.909	0.000	97	1831498	12.5	12.4	
160 Bis(2-ethylhexyl) phthalate	149	10.979	10.979	0.000	94	1213231	12.5	13.0	
S 94 Isosafrole	162				0		12.5	12.1	
161 6-Methylchrysene	242	11.428	11.428	0.000	98	1203481	12.5	12.8	
S 103 Aramite, Total	185				0		12.5	71.1	
162 Di-n-octyl phthalate	149	11.767	11.767	0.000	99	1980257	12.5	12.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.152	12.147	0.005	82	751646	12.5	13.2	
164 Benzo[b]fluoranthene	252	12.152	12.147	0.005	96	1829385	12.5	12.7	
165 Benzo[k]fluoranthene	252	12.188	12.182	0.006	99	1684233	12.5	11.3	
166 Benzo[a]pyrene	252	12.567	12.567	0.000	77	1632039	12.5	11.8	
* 167 Perylene-d12	264	12.643	12.643	0.000	98	594225	5.00	5.00	
168 3-Methylcholanthrene	268	13.063	13.057	0.006	91	763193	12.5	12.3	
169 Dibenz[a,h]acridine	279	13.805	13.805	0.000	91	1308614	12.5	12.4	
170 Dibenz[a,j]acridine	279	13.881	13.875	0.006	96	1285508	12.5	12.1	
171 Indeno[1,2,3-cd]pyrene	276	14.103	14.103	0.000	100	1419098	12.5	11.2	
172 Dibenz(a,h)anthracene	278	14.149	14.144	0.005	92	1424607	12.5	11.9	
173 Benzo[g,h,i]perylene	276	14.459	14.453	0.006	99	1474516	12.5	11.4	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

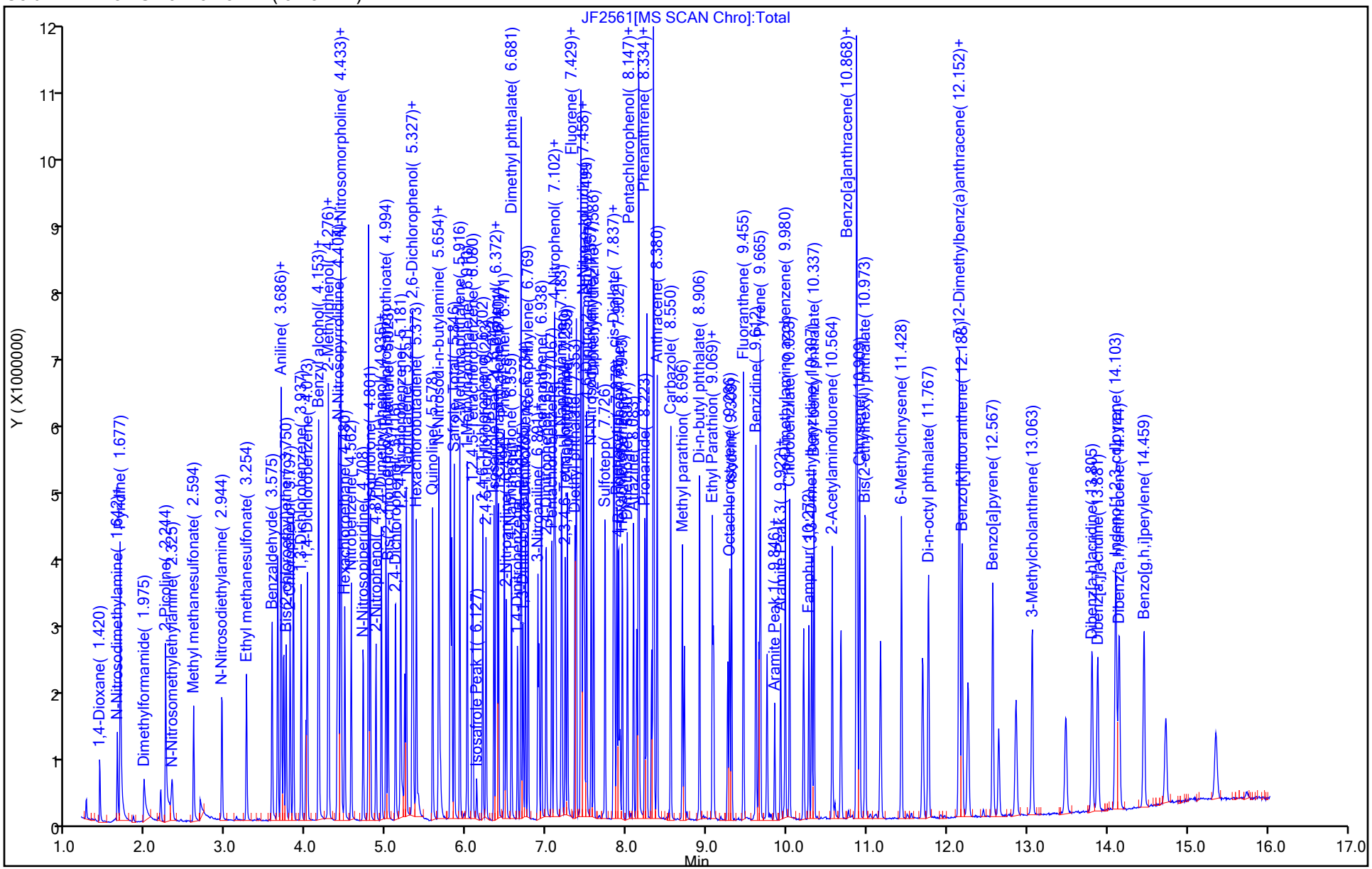
Report Date: 26-Jun-2025 11:07:43 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2561.D

Injection Date:	26-Jun-2025 02:43:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

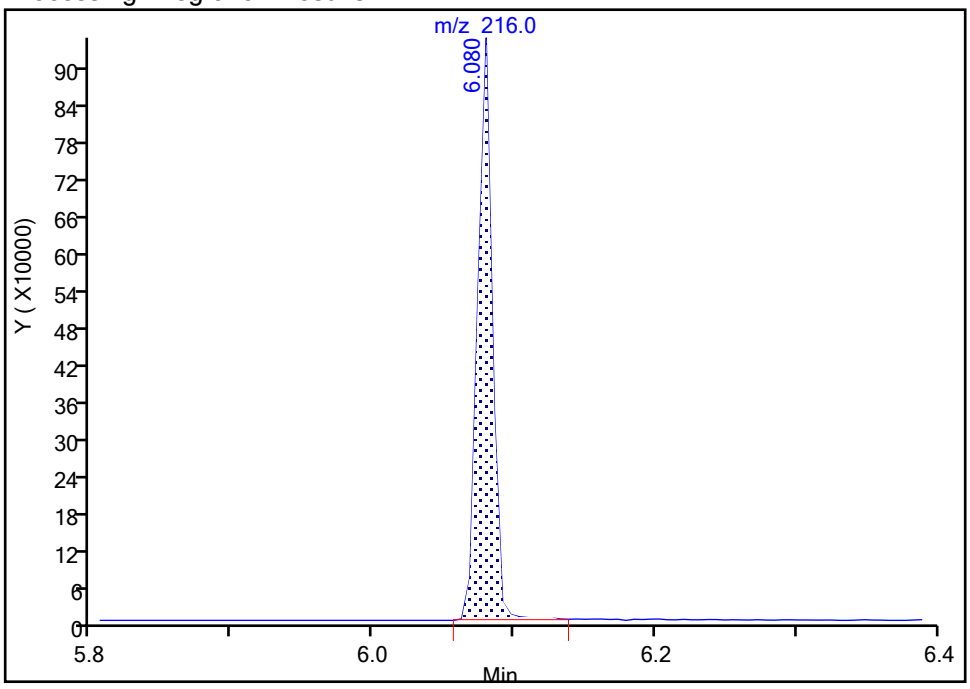
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2561.D				
Injection Date:	26-Jun-2025 02:43:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

70 1,2,4,5-Tetrachlorobenzene, CAS: 95-94-3

Signal: 1

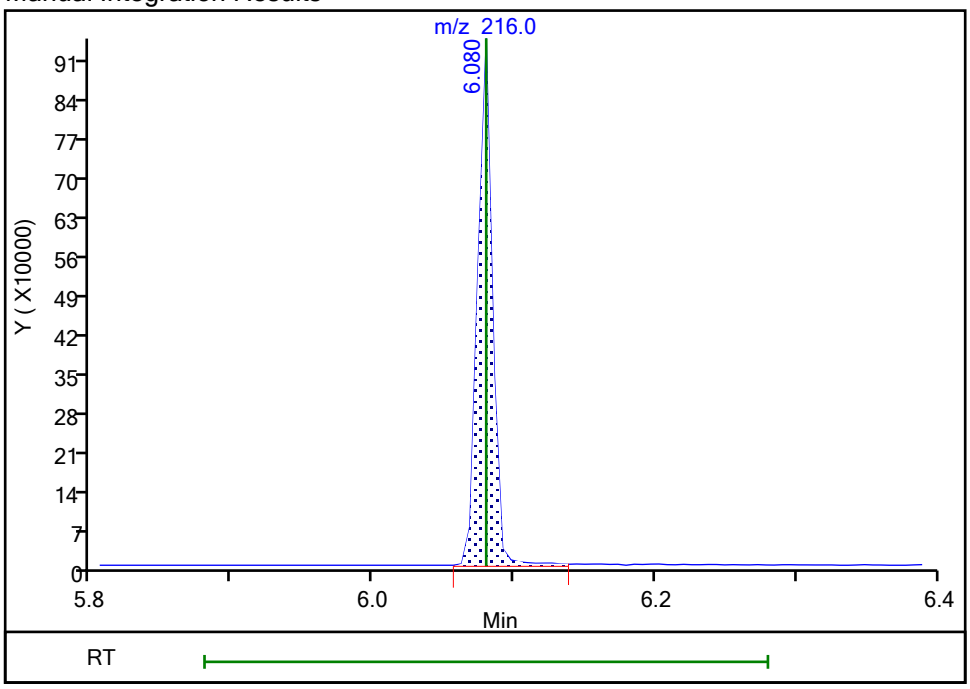
Processing Integration Results

RT: 6.08
Area: 684146
Amount: 11.956293
Amount Units: ug/ml



Manual Integration Results

RT: 6.08
Area: 684146
Amount: 11.956293
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:57:49 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

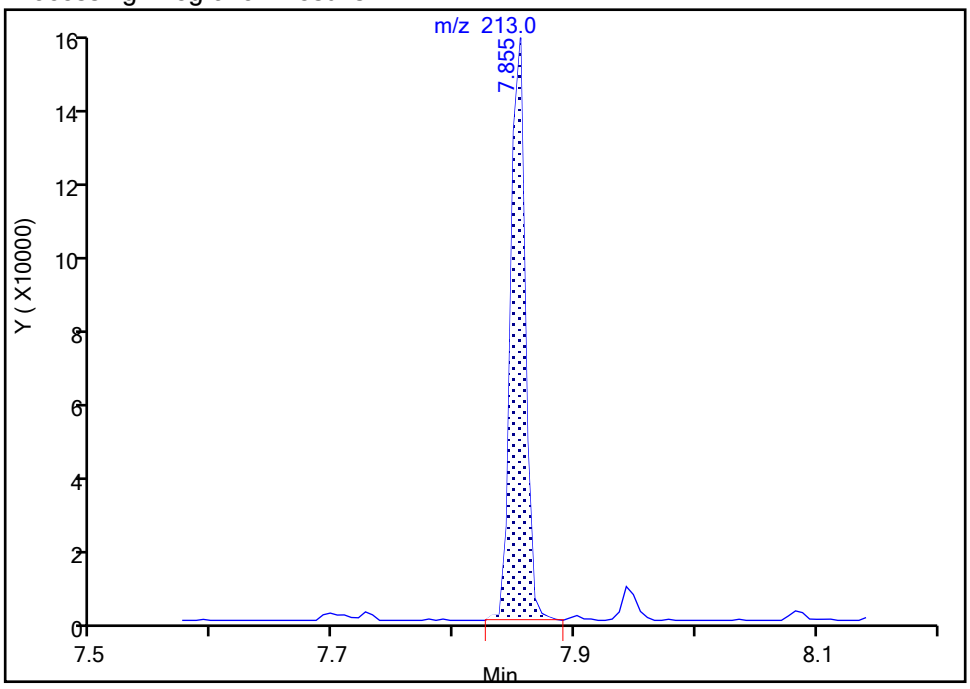
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2561.D				
Injection Date:	26-Jun-2025 02:43:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

118 1,3,5-Trinitrobenzene, CAS: 99-35-4

Signal: 1

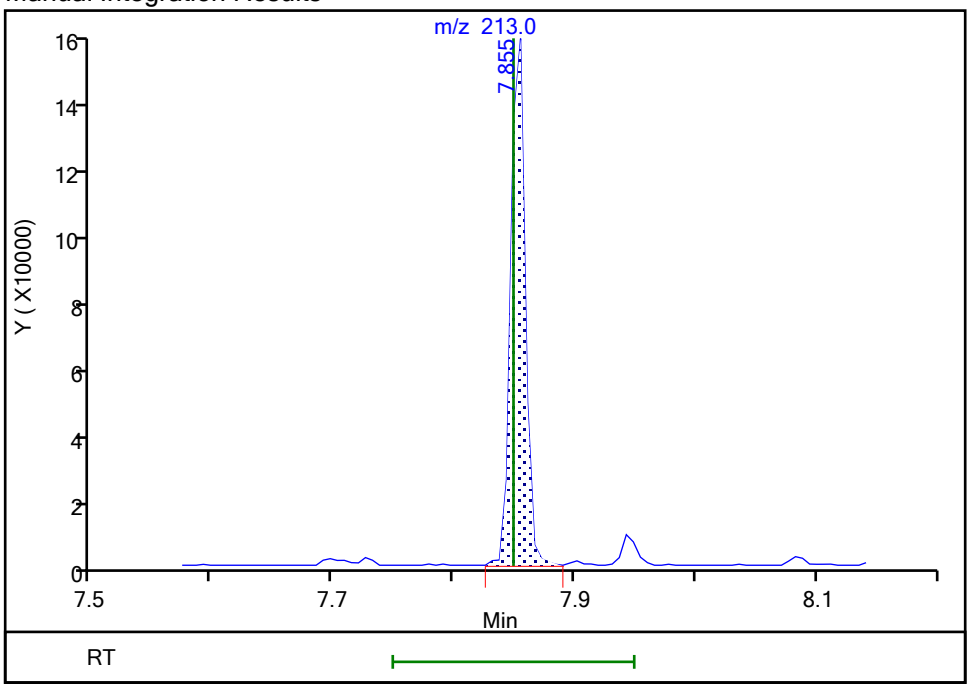
Processing Integration Results

RT: 7.85
Area: 132089
Amount: 11.645458
Amount Units: ug/ml



Manual Integration Results

RT: 7.85
Area: 132089
Amount: 12.650872
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:58:06 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

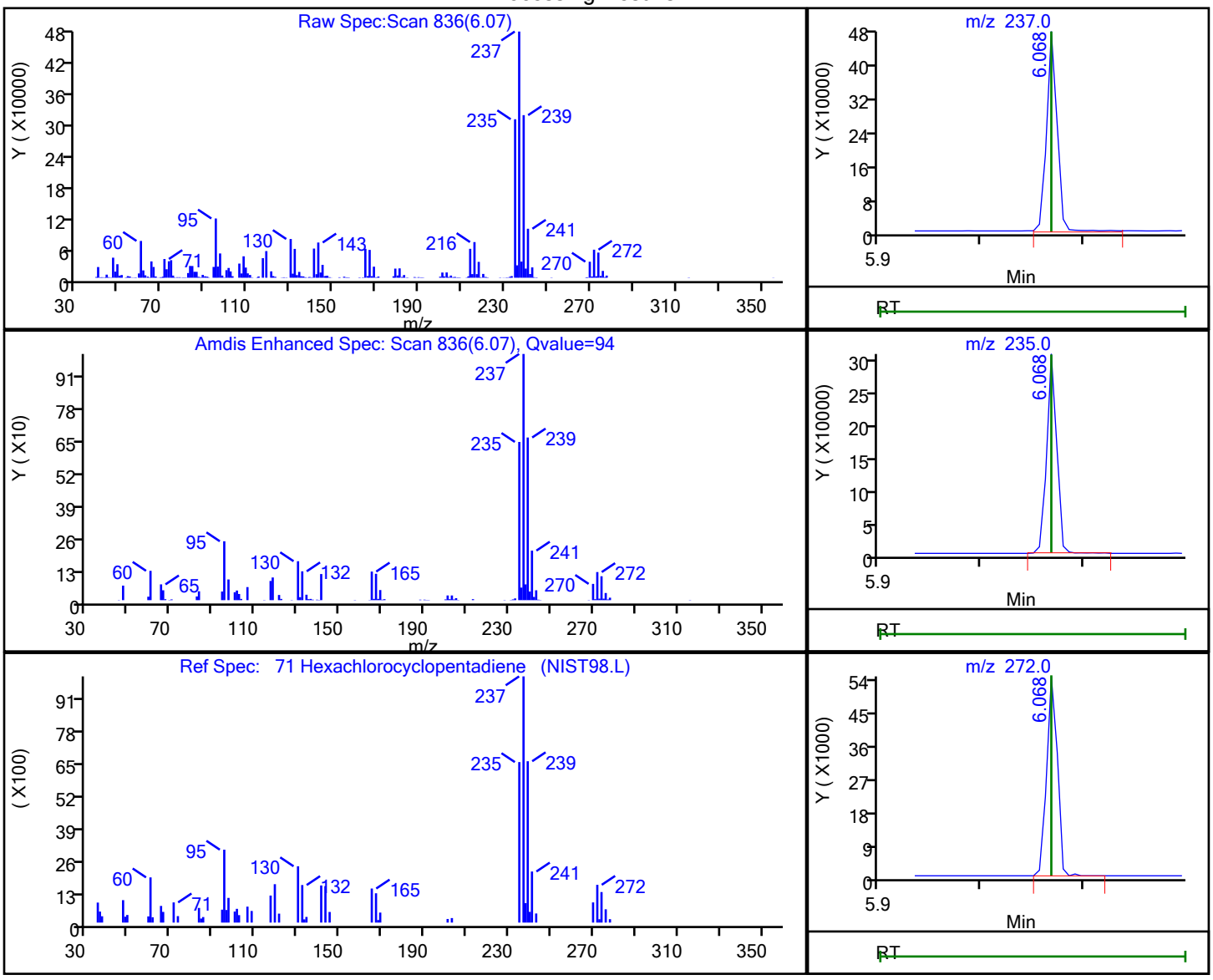
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2561.D				
Injection Date:	26-Jun-2025 02:43:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

71 Hexachlorocyclopentadiene, CAS: 77-47-4

Processing Results



RT	Mass	Response	Amount
6.07	237.00	338213	8.341555
6.07	235.00	211357	
6.07	272.00	39625	

Reviewer: W6ZA, 26-Jun-2025 10:28:16 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

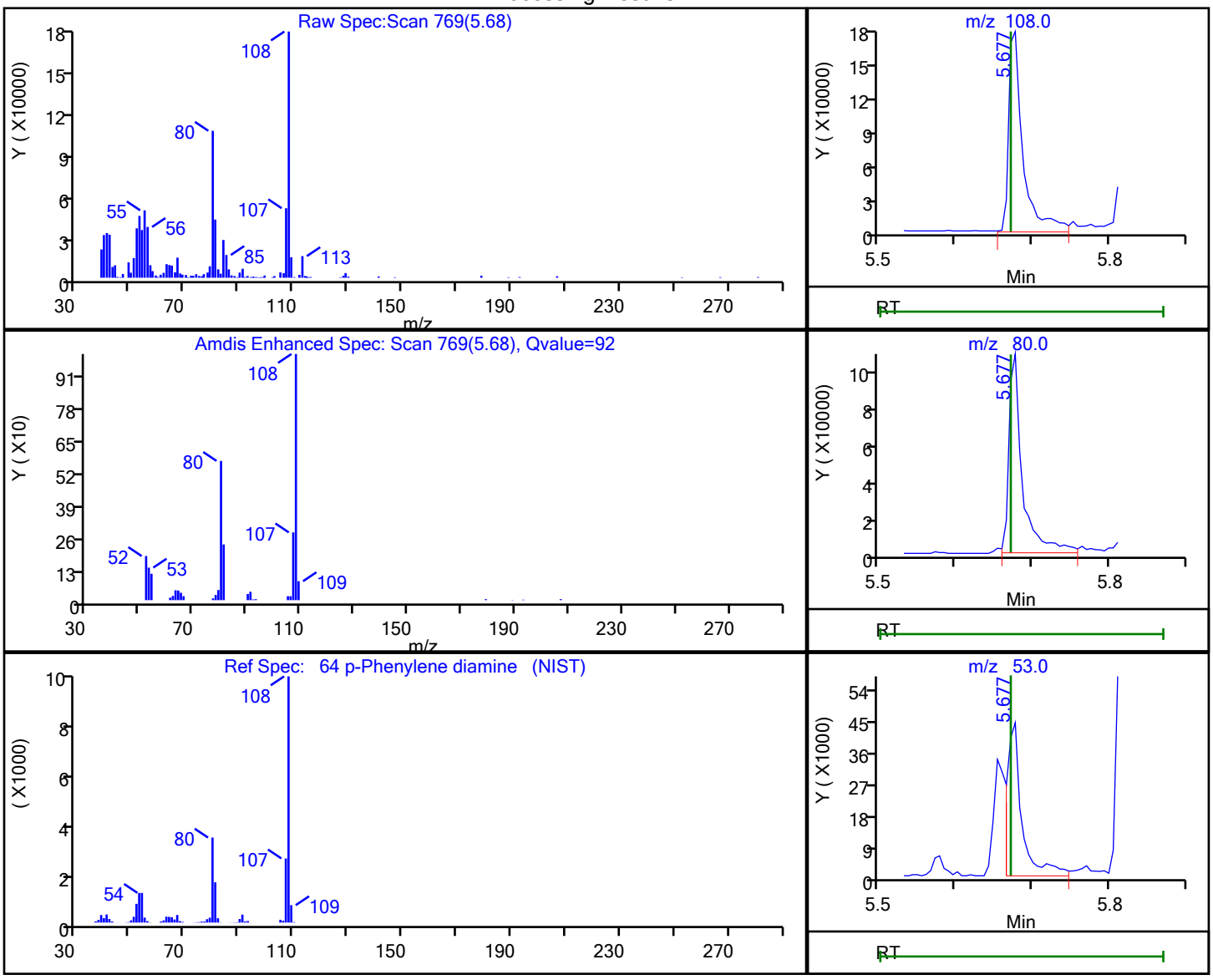
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2561.D				
Injection Date:	26-Jun-2025 02:43:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

64 p-Phenylene diamine, CAS: 106-50-3

Processing Results



RT	Mass	Response	Amount
5.68	108.00	227919	4.973139
5.68	80.00	131485	
5.68	53.00	54111	
5.65	54.00	73739	
5.67	52.00	61096	

Reviewer: W6ZA, 26-Jun-2025 10:28:17 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-681375/2 Calibration Date: 08/06/2025 07:51

Instrument ID: HP23264 Calib Start Date: 06/25/2025 23:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 01:38

Lab File ID: HG0601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6065	0.5974		12.3	12.5	-1.5	20.0
N-Nitrosodimethylamine	Ave	1.019	1.025		12.6	12.5	0.6	20.0
Pyridine	Ave	1.823	1.709		23.4	25.0	-6.2	20.0
N,N-dimethylformamide	Ave	1.182	1.058		11.2	12.5	-10.5	20.0
2-Picoline	Ave	1.583	1.603		12.7	12.5	1.3	20.0
N-Nitrosomethylethylamine	Ave	0.7400	0.7129		12.0	12.5	-3.7	20.0
Methyl methanesulfonate	Ave	1.159	1.018		11.0	12.5	-12.2	20.0
N-Nitrosodiethylamine	Ave	0.7371	0.6832		11.6	12.5	-7.3	20.0
Ethyl methanesulfonate	Ave	0.7105	0.6453		11.4	12.5	-9.2	20.0
Benzaldehyde	Ave	1.563	1.295	0.0100	10.4	12.5	-17.1	20.0
Aniline	Ave	2.362	2.529		13.4	12.5	7.1	20.0
Phenol	Ave	2.148	2.281	0.8000	13.3	12.5	6.2	20.0
Bis(2-chloroethyl)ether	Ave	1.547	1.491	0.7000	12.1	12.5	-3.6	20.0
2-Chlorophenol	Ave	1.209	1.303	0.8000	13.5	12.5	7.7	20.0
1,3-Dichlorobenzene	Ave	1.429	1.525		13.3	12.5	6.7	20.0
1,4-Dichlorobenzene	Ave	1.449	1.500		12.9	12.5	3.5	20.0
Benzyl alcohol	Ave	0.9290	1.010		13.6	12.5	8.7	20.0
1,2-Dichlorobenzene	Ave	1.358	1.439		13.3	12.5	6.0	20.0
o-Cresol	Ave	1.372	1.413	0.7000	12.9	12.5	3.0	20.0
bis (2-chloroisopropyl) ether	Ave	2.831	2.020	0.0100	8.92	12.5	-28.6*	20.0
N-Nitrosopyrrolidine	Ave	0.8158	0.7755		11.9	12.5	-4.9	20.0
Acetophenone	Ave	2.228	2.246	0.0100	12.6	12.5	0.8	20.0
N-Nitrosodi-n-propylamine	Ave	1.454	1.307	0.5000	11.2	12.5	-10.1	20.0
m & p-Cresol	Ave	1.464	1.579	0.6000	13.5	12.5	7.9	20.0
N-Nitrosomorpholine	Ave	1.152	0.9572		10.4	12.5	-16.9	20.0
2-Toluidine	Ave	2.337	2.321		12.4	12.5	-0.7	20.0
Hexachloroethane	Ave	0.7022	0.6757	0.3000	12.0	12.5	-3.8	20.0
Nitrobenzene	Ave	0.6208	0.5217	0.2000	10.5	12.5	-16.0	20.0
N-Nitrosopiperidine	Ave	0.2054	0.1934		11.8	12.5	-5.9	20.0
Isophorone	Ave	1.072	0.9321	0.4000	10.9	12.5	-13.0	20.0
2-Nitrophenol	Ave	0.1801	0.1830	0.1000	12.7	12.5	1.6	20.0
2,4-Dimethylphenol	Ave	0.4434	0.4422	0.2000	12.5	12.5	-0.3	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1982	0.1926		12.2	12.5	-2.8	20.0
Bis(2-chloroethoxy)methane	Ave	0.6145	0.5561	0.3000	11.3	12.5	-9.5	20.0
2,4-Dichlorophenol	Ave	0.3309	0.3336	0.2000	12.6	12.5	0.8	20.0
1,2,4-Trichlorobenzene	Ave	0.4043	0.3711		11.5	12.5	-8.2	20.0
Naphthalene	Ave	1.072	1.063	0.7000	12.4	12.5	-0.9	20.0
a-Terpineol	Ave	0.5110	0.3769		9.22	12.5	-26.2*	20.0
2,6-Dichlorophenol	Ave	0.3395	0.3163		11.6	12.5	-6.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-681375/2 Calibration Date: 08/06/2025 07:51

Instrument ID: HP23264 Calib Start Date: 06/25/2025 23:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 01:38

Lab File ID: HG0601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Chloroaniline	Ave	0.4205	0.4561	0.0100	13.6	12.5	8.4	20.0
Hexachloropropene	Ave	0.3242	0.3002		11.6	12.5	-7.4	20.0
Hexachlorobutadiene	Ave	0.2550	0.2326	0.0100	11.4	12.5	-8.8	20.0
Quinoline	Ave	0.6990	0.7108		12.7	12.5	1.7	20.0
N-Nitrosodi-n-butylamine	Ave	0.4721	0.4155		11.0	12.5	-12.0	20.0
Caprolactam	Ave	0.0980	0.0884	0.0100	11.3	12.5	-9.8	20.0
1,4-phenylenediamine	Ave	0.3460	0.3608			12.5	4.3	20.0
4-Chloro-3-methylphenol	Ave	0.4197	0.3717	0.2000	11.1	12.5	-11.4	20.0
Safrole, Total	Ave	0.2911	0.2883		12.4	12.5	-1.0	20.0
2-Methylnaphthalene	Ave	0.6282	0.5952	0.4000	11.8	12.5	-5.3	20.0
1-Methylnaphthalene	Ave	0.6879	0.6326		11.5	12.5	-8.0	20.0
Hexachlorocyclopentadiene	Ave	0.5259	0.5544	0.0500	13.2	12.5	5.4	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7422	0.7113	0.0100	12.0	12.5	-4.2	20.0
Isosafrole Peak 1	Ave	0.5729	0.5555		1.94	2.00	-3.0	20.0
2,4,6-Trichlorophenol	Ave	0.4121	0.4424	0.2000	13.4	12.5	7.4	20.0
2,4,5-Trichlorophenol	Ave	0.4596	0.5018	0.2000	13.7	12.5	9.2	20.0
Isosafrole Peak 2	Ave	0.6169	0.6183		10.5	10.5	0.2	20.0
1,1'-Biphenyl	Ave	1.442	1.473	0.0100	12.8	12.5	2.1	20.0
2-Chloronaphthalene	Ave	1.201	1.172	0.8000	12.2	12.5	-2.4	20.0
1-Chloronaphthalene	Ave	1.228	1.202		12.2	12.5	-2.1	20.0
Diphenyl ether	Ave	0.8978	0.8683		12.1	12.5	-3.3	20.0
2-Nitroaniline	Ave	0.3401	0.3690	0.0100	13.6	12.5	8.5	20.0
1,4-Naphthoquinone	Ave	0.4526	0.4611		12.7	12.5	1.9	20.0
1,4-Dinitrobenzene	Ave	0.1785	0.1729		12.1	12.5	-3.1	20.0
Dimethyl phthalate	Ave	1.435	1.375	0.0100	12.0	12.5	-4.1	20.0
1,3-Dinitrobenzene	Ave	0.1883	0.2032		13.5	12.5	7.9	20.0
2,6-Dinitrotoluene	Ave	0.3067	0.2820	0.2000	11.5	12.5	-8.0	20.0
Acenaphthylene	Ave	1.894	1.854	0.9000	12.2	12.5	-2.1	20.0
3-Nitroaniline	Ave	0.2952	0.3161	0.0100	13.4	12.5	7.1	20.0
Acenaphthene	Ave	1.232	1.167	0.9000	11.8	12.5	-5.3	20.0
2,4-Dinitrophenol	Ave	0.1998	0.1988	0.0100	24.9	25.0	-0.5	20.0
Pentachlorobenzene	Ave	0.6162	0.5952		12.1	12.5	-3.4	20.0
4-Nitrophenol	Ave	0.2360	0.2321	0.0100	24.6	25.0	-1.6	20.0
Dibenzofuran	Ave	1.716	1.652	0.8000	12.0	12.5	-3.7	20.0
2,4-Dinitrotoluene	Ave	0.4214	0.4237	0.2000	12.6	12.5	0.5	20.0
1-Naphthylamine	Ave	1.110	1.179		13.3	12.5	6.2	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3995	0.4063	0.0100	12.7	12.5	1.7	20.0
2-Naphthylamine	Ave	1.159	1.170		12.6	12.5	0.9	20.0
Diethyl phthalate	Ave	1.437	1.396	0.0100	12.1	12.5	-2.8	20.0
Fluorene	Ave	1.311	1.302	0.9000	12.4	12.5	-0.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-681375/2 Calibration Date: 08/06/2025 07:51

Instrument ID: HP23264 Calib Start Date: 06/25/2025 23:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 01:38

Lab File ID: HG0601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
O,O-Diethyl O-2-pyrazinyl phosphorothioate	Ave	0.2653	0.2872		13.5	12.5	8.3	20.0
4-Chlorophenyl-phenyl ether	Ave	0.7055	0.6617	0.4000	11.7	12.5	-6.2	20.0
5-Nitro-o-toluidine	Ave	0.3654	0.3766		12.9	12.5	3.1	20.0
4-Nitroaniline	Ave	0.2840	0.3023	0.0100	13.3	12.5	6.4	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1382	0.1484	0.0100	26.9	25.0	7.4	20.0
n-Nitrosodiphenylamine(as diphenylamine)	Ave	0.5805	0.6068	0.0100	11.1	10.6	4.5	20.0
1,2-Diphenylhydrazine	Ave	1.139	0.9101		9.99	12.5	-20.1*	20.0
Sulfotepp	Ave	0.1967	0.1643		10.4	12.5	-16.5	20.0
cis-Diallate	Ave	0.3849	0.3350		8.05	9.25	-13.0	20.0
Phorate	Ave	0.9677	0.8680		11.2	12.5	-10.3	20.0
1,3,5-Trinitrobenzene	Ave	0.0719	0.0716			12.5	-0.4	20.0
Phenacetin	Ave	0.4359	0.4191		12.0	12.5	-3.9	20.0
4-Bromophenyl-phenylether	Ave	0.2247	0.2310	0.1000	12.9	12.5	2.8	20.0
trans-Diallate	Ave	0.3953	0.3208		2.64	3.25	-18.8	20.0
Hexachlorobenzene	Ave	0.2688	0.2601	0.1000	12.1	12.5	-3.2	20.0
Dimethoate	Ave	0.3682	0.3716		12.6	12.5	0.9	20.0
Atrazine	Ave	0.2232	0.2020	0.0100	11.3	12.5	-9.5	20.0
Pentachlorophenol	Ave	0.1657	0.1724	0.0500	26.0	25.0	4.1	20.0
4-Aminobiphenyl	Ave	0.7882	0.8213		13.0	12.5	4.2	20.0
Pentachloronitrobenzene	Ave	0.1344	0.1209		11.2	12.5	-10.1	20.0
Pronamide	Ave	0.3739	0.3638		12.2	12.5	-2.7	20.0
Phenanthrene	Ave	1.105	1.051	0.7000	11.9	12.5	-4.9	20.0
Dinoseb	Ave	0.2051	0.1916		11.7	12.5	-6.6	20.0
Disulfoton	Ave	0.5922	0.5410		11.4	12.5	-8.6	20.0
Anthracene	Ave	1.084	1.093	0.7000	12.6	12.5	0.8	20.0
Carbazole	Ave	0.9697	1.004	0.0100	12.9	12.5	3.5	20.0
Methyl parathion	Ave	0.2758	0.2828		12.8	12.5	2.5	20.0
Di-n-butyl phthalate	Ave	1.138	1.173	0.0100	12.9	12.5	3.1	20.0
Parathion	Ave	0.1575	0.1677		13.3	12.5	6.5	20.0
4-Nitroquinoline-1-oxide	Ave	0.0956	0.0946		12.4	12.5	-1.1	20.0
Octachlorostyrene	Ave	0.1023	0.1029		12.6	12.5	0.5	20.0
Isodrin	Ave	0.1617	0.1370		10.6	12.5	-15.3	20.0
Fluoranthene	Ave	1.215	1.232	0.6000	12.7	12.5	1.4	20.0
Benzidine	Ave	0.6554	0.8100		46.4	37.5	23.6*	20.0
Pyrene	Ave	1.222	1.183	0.6000	12.1	12.5	-3.2	20.0
p-Dimethylamino azobenzene	Ave	0.1592	0.1781		14.0	12.5	11.9	20.0
Chlorobenzilate	Ave	0.3268	0.3403		13.0	12.5	4.1	20.0
3,3'-Dimethylbenzidine	Ave	0.5672	0.6557		14.5	12.5	15.6	20.0
Butyl benzyl phthalate	Ave	0.4430	0.4732	0.0100	13.4	12.5	6.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-681375/2 Calibration Date: 08/06/2025 07:51

Instrument ID: HP23264 Calib Start Date: 06/25/2025 23:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 01:38

Lab File ID: HG0601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Acetylaminofluorene	Ave	0.3770	0.4051		13.4	12.5	7.4	20.0
Benzo[a]anthracene	Ave	0.9660	1.085	0.8000	14.0	12.5	12.3	20.0
3,3'-Dichlorobenzidine	Ave	0.3519	0.4196	0.0100	14.9	12.5	19.2	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.1883	0.2117		14.1	12.5	12.4	20.0
Chrysene	Ave	0.9387	1.000	0.7000	13.3	12.5	6.5	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.5917	0.6897	0.0100	14.6	12.5	16.6	20.0
6-Methylchrysene	Ave	0.5985	0.6630		13.9	12.5	10.8	20.0
Di-n-octyl phthalate	Ave	1.298	1.249	0.0100	12.0	12.5	-3.8	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.4799	0.5379		14.0	12.5	12.1	20.0
Benzo[b]fluoranthene	Ave	1.216	1.183	0.7000	12.2	12.5	-2.7	20.0
Benzo[k]fluoranthene	Ave	1.256	1.237	0.7000	12.3	12.5	-1.6	20.0
Benzo[a]pyrene	Ave	1.162	1.141	0.7000	12.3	12.5	-1.8	20.0
3-Methylcholanthrene	Ave	0.5205	0.5501		13.2	12.5	5.7	20.0
Dibenz[a,h]acridine	Ave	0.8851	0.9231		13.0	12.5	4.3	20.0
Dibenz[a,j]acridine	Ave	0.8940	0.9674		13.5	12.5	8.2	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.067	1.145	0.5000	13.4	12.5	7.4	20.0
Dibenz(a,h)anthracene	Ave	1.006	1.125	0.4000	14.0	12.5	11.8	20.0
Benzo[g,h,i]perylene	Ave	1.088	1.130	0.5000	13.0	12.5	3.9	20.0
2-Fluorophenol (Surr)	Ave	1.221	1.377		28.2	25.0	12.8	20.0
Phenol-d5 (Surr)	Ave	1.829	1.952		26.7	25.0	6.7	20.0
Nitrobenzene-d5 (Surr)	Ave	0.5965	0.5316		22.3	25.0	-10.9	20.0
2-Fluorobiphenyl (Surr)	Ave	1.420	1.463		25.8	25.0	3.0	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2379	0.2482		26.1	25.0	4.3	20.0
p-Terphenyl-d14 (Surr)	Ave	0.6748	0.6970		25.8	25.0	3.3	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0601.D
Lims ID: CCVIS L6
Client ID:
Sample Type: CCVIS
Inject. Date: 06-Aug-2025 07:51:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L6
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub57

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 10:14:20 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1695

First Level Reviewer: W6ZA Date: 06-Aug-2025 08:15:46

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.344	1.344	0.000	93	249776	12.5	12.3	
	2 N-Nitrosodimethylamine	74	1.560	1.560	0.000	95	428586	12.5	12.6	
	3 Pyridine	79	1.596	1.596	0.000	99	1429074	25.0	23.4	
	4 Dimethylformamide	73	1.911	1.911	0.000	95	442308	12.5	11.2	
	5 2-Picoline	93	2.150	2.150	0.000	93	670338	12.5	12.7	
	6 N-Nitrosomethylethylamine	88	2.226	2.226	0.000	94	298033	12.5	12.0	
	7 Methyl methanesulfonate	80	2.489	2.489	0.000	83	425657	12.5	11.0	
$	9 2-Fluorophenol	112	2.635	2.635	0.000	93	1151367	25.0	28.2	
	11 N-Nitrosodiethylamine	102	2.839	2.839	0.000	94	285612	12.5	11.6	
	12 Ethyl methanesulfonate	109	3.143	3.143	0.000	95	269804	12.5	11.4	
	13 Benzaldehyde	77	3.464	3.464	0.000	95	541422	12.5	10.4	
$	15 Phenol-d5	99	3.563	3.563	0.000	95	1631800	25.0	26.7	
	17 Aniline	93	3.575	3.575	0.000	76	1057276	12.5	13.4	
	16 Phenol	94	3.575	3.575	0.000	83	953719	12.5	13.3	
	18 Bis(2-chloroethyl)ether	93	3.645	3.645	0.000	93	623201	12.5	12.0	
	19 2-Chlorophenol	128	3.692	3.692	0.000	96	544686	12.5	13.5	
	21 1,3-Dichlorobenzene	146	3.832	3.832	0.000	96	637398	12.5	13.3	
*	22 1,4-Dichlorobenzene-d4	152	3.890	3.890	0.000	95	167230	5.00	5.00	
	23 1,4-Dichlorobenzene	146	3.908	3.908	0.000	91	626935	12.5	12.9	
	26 Benzyl alcohol	108	4.048	4.048	0.000	90	422066	12.5	13.6	
	27 1,2-Dichlorobenzene	146	4.054	4.054	0.000	94	601809	12.5	13.2	
	29 2-Methylphenol	108	4.171	4.171	0.000	94	590753	12.5	12.9	
	30 2,2'-oxybis[1-chloropropane]	45	4.176	4.176	0.000	92	844432	12.5	8.92	
	31 N-Nitrosopyrrolidine	100	4.287	4.287	0.000	93	324224	12.5	11.9	
	32 Acetophenone	105	4.299	4.299	0.000	96	939140	12.5	12.6	
	33 N-Nitrosodi-n-propylamine	70	4.305	4.305	0.000	74	546309	12.5	11.2	
	35 N-Nitrosomorpholine	56	4.328	4.328	0.000	90	400180	12.5	10.4	
	34 4-Methylphenol	108	4.328	4.328	0.000	83	660281	12.5	13.5	
	36 2-Toluidine	106	4.334	4.334	0.000	84	970542	12.5	12.4	
	37 Hexachloroethane	117	4.375	4.375	0.000	93	282484	12.5	12.0	
$	39 Nitrobenzene-d5	82	4.445	4.445	0.000	87	1514130	25.0	22.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Nitrobenzene	77	4.462	4.462	0.000	85	743003	12.5	10.5	
41 N-Nitrosopiperidine	114	4.614	4.614	0.000	82	275455	12.5	11.8	
42 Isophorone	82	4.702	4.702	0.000	98	1327605	12.5	10.9	
43 2-Nitrophenol	139	4.772	4.772	0.000	96	260653	12.5	12.7	
44 2,4-Dimethylphenol	107	4.842	4.842	0.000	98	629834	12.5	12.5	
46 o,o',o''-Triethylphosphorothioat	198	4.900	4.900	0.000	92	274287	12.5	12.1	
47 Bis(2-chloroethoxy)methane	93	4.930	4.930	0.000	96	792080	12.5	11.3	
49 2,4-Dichlorophenol	162	5.017	5.017	0.000	95	475058	12.5	12.6	
50 1,2,4-Trichlorobenzene	180	5.081	5.081	0.000	93	528558	12.5	11.5	
* 52 Naphthalene-d8	136	5.134	5.134	0.000	99	569696	5.00	5.00	
53 Naphthalene	128	5.151	5.151	0.000	98	1513476	12.5	12.4	
55 Alpha-Terpineol	59	5.181	5.181	0.000	93	536806	12.5	9.22	
56 4-Chloroaniline	127	5.227	5.227	0.000	87	649555	12.5	13.6	
57 2,6-Dichlorophenol	162	5.227	5.227	0.000	82	450422	12.5	11.6	
58 Hexachloropropene	213	5.239	5.239	0.000	96	427540	12.5	11.6	
59 Hexachlorobutadiene	225	5.280	5.280	0.000	94	331214	12.5	11.4	
61 Quinoline	129	5.484	5.484	0.000	95	1012312	12.5	12.7	
63 N-Nitrosodi-n-butylamine	84	5.560	5.560	0.000	89	591788	12.5	11.0	
62 Caprolactam	113	5.566	5.566	0.000	72	125902	12.5	11.3	
64 p-Phenylene diamine	108	5.578	5.578	0.000	96	513808	12.5	13.0	
65 4-Chloro-3-methylphenol	107	5.724	5.724	0.000	93	529396	12.5	11.1	
66 Safrole, Total	162	5.759	5.759	0.000	88	410627	12.5	12.4	
67 2-Methylnaphthalene	142	5.823	5.823	0.000	90	847684	12.5	11.8	
69 1-Methylnaphthalene	142	5.916	5.916	0.000	92	900987	12.5	11.5	
71 Hexachlorocyclopentadiene	237	5.975	5.975	0.000	92	451210	12.5	13.2	
70 1,2,4,5-Tetrachlorobenzene	216	5.986	5.986	0.000	95	578982	12.5	12.0	
72 Isosafrole Peak 1	162	6.039	6.039	0.000	86	72345	2.00	1.94	
79 2,4,6-Trichlorophenol	196	6.109	6.109	0.000	94	360108	12.5	13.4	
80 2,4,5-Trichlorophenol	196	6.150	6.150	0.000	95	408415	12.5	13.6	
$ 81 2-Fluorobiphenyl (Surr)	172	6.185	6.185	0.000	100	2381316	25.0	25.8	
82 Isosafrole Peak 2	162	6.255	6.255	0.000	92	422751	10.5	10.5	
83 1,1'-Biphenyl	154	6.278	6.278	0.000	96	1198616	12.5	12.8	
84 2-Chloronaphthalene	162	6.284	6.284	0.000	96	953779	12.5	12.2	
85 1-Chloronaphthalene	162	6.308	6.308	0.000	99	978209	12.5	12.2	
86 Phenyl ether	170	6.384	6.384	0.000	88	706741	12.5	12.1	
87 2-Nitroaniline	138	6.407	6.407	0.000	77	300313	12.5	13.6	
88 1,4-Naphthoquinone	158	6.471	6.471	0.000	81	375304	12.5	12.7	
S 24 Dinitrotoluene	165				0		25.0	24.1	
89 1,4-Dinitrobenzene	168	6.547	6.547	0.000	82	140740	12.5	12.1	
90 Dimethyl phthalate	163	6.594	6.594	0.000	97	1119395	12.5	12.0	
91 1,3-Dinitrobenzene	168	6.617	6.617	0.000	83	165401	12.5	13.5	
92 2,6-Dinitrotoluene	165	6.646	6.646	0.000	88	229566	12.5	11.5	
93 Acenaphthylene	152	6.675	6.675	0.000	98	1509050	12.5	12.2	
95 3-Nitroaniline	138	6.804	6.804	0.000	89	257249	12.5	13.4	
* 96 Acenaphthene-d10	164	6.810	6.810	0.000	94	325575	5.00	5.00	
97 Acenaphthene	153	6.845	6.845	0.000	96	949599	12.5	11.8	
98 2,4-Dinitrophenol	184	6.909	6.909	0.000	85	323582	25.0	24.9	
99 Pentachlorobenzene	250	6.973	6.973	0.000	97	484451	12.5	12.1	
100 4-Nitrophenol	109	7.002	7.002	0.000	91	377862	25.0	24.6	
101 Dibenzofuran	168	7.008	7.008	0.000	96	1344964	12.5	12.0	
102 2,4-Dinitrotoluene	165	7.026	7.026	0.000	89	344873	12.5	12.6	
104 1-Naphthylamine	143	7.090	7.090	0.000	98	959404	12.5	13.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
105 2,3,4,6-Tetrachlorophenol	232	7.143	7.143	0.000	72	330677	12.5	12.7	
106 2-Naphthylamine	143	7.172	7.172	0.000	95	951981	12.5	12.6	
107 Diethyl phthalate	149	7.265	7.265	0.000	97	1136588	12.5	12.1	
108 Fluorene	166	7.335	7.335	0.000	92	1059595	12.5	12.4	
109 Thionazin	107	7.341	7.341	0.000	77	233794	12.5	13.5	
110 4-Chlorophenyl phenyl ether	204	7.347	7.347	0.000	91	538559	12.5	11.7	
111 N-Nitro-o-toluidine	152	7.364	7.364	0.000	90	306566	12.5	12.9	
112 4-Nitroaniline	138	7.382	7.382	0.000	80	246013	12.5	13.3	
113 4,6-Dinitro-2-methylphenol	198	7.411	7.411	0.000	81	449076	25.0	26.8	
114 N-Nitrosodiphenylamine	169	7.470	7.470	0.000	62	780495	10.6	11.1	
115 1,2-Diphenylhydrazine	77	7.499	7.499	0.000	98	1377203	12.5	9.99	
$ 116 2,4,6-Tribromophenol	330	7.569	7.569	0.000	93	404015	25.0	26.1	
117 Sulfotepp	97	7.645	7.645	0.000	79	248672	12.5	10.4	
120 cis-Diallate	86	7.750	7.750	0.000	87	375075	9.25	8.05	
119 Phorate	75	7.756	7.756	0.000	94	1313494	12.5	11.2	
118 1,3,5-Trinitrobenzene	213	7.767	7.767	0.000	82	108399	12.5	12.4	
121 Phenacetin	108	7.791	7.791	0.000	90	634100	12.5	12.0	
122 4-Bromophenyl phenyl ether	248	7.808	7.808	0.000	66	349510	12.5	12.8	
123 trans-Diallate	86	7.826	7.826	0.000	96	126230	3.25	2.64	
124 Hexachlorobenzene	284	7.855	7.855	0.000	95	393535	12.5	12.1	
125 Dimethoate	87	7.919	7.919	0.000	97	562264	12.5	12.6	
126 Atrazine	200	7.995	7.995	0.000	89	305652	12.5	11.3	
127 Pentachlorophenol	266	8.053	8.053	0.000	93	521828	25.0	26.0	
129 4-Aminobiphenyl	169	8.059	8.059	0.000	91	1242824	12.5	13.0	
128 Pentachloronitrobenzene	237	8.065	8.065	0.000	50	182894	12.5	11.2	
130 Pronamide	173	8.141	8.141	0.000	89	550468	12.5	12.2	
* 131 Phenanthrene-d10	188	8.217	8.217	0.000	97	605268	5.00	5.00	
132 Phenanthrene	178	8.240	8.240	0.000	98	1590548	12.5	11.9	
133 Dinoseb	211	8.246	8.246	0.000	93	289866	12.5	11.7	
134 Disulfoton	88	8.252	8.252	0.000	96	818618	12.5	11.4	
135 Anthracene	178	8.287	8.287	0.000	97	1653352	12.5	12.6	
136 Carbazole	167	8.462	8.462	0.000	95	1519053	12.5	12.9	
137 Methyl parathion	109	8.608	8.608	0.000	90	427886	12.5	12.8	
138 Di-n-butyl phthalate	149	8.824	8.824	0.000	100	1775373	12.5	12.9	
139 Ethyl Parathion	109	8.982	8.982	0.000	80	253724	12.5	13.3	
140 4-Nitroquinoline-1-oxide	190	8.999	8.999	0.000	83	143157	12.5	12.4	
142 Octachlorostyrene	308	9.192	9.192	0.000	88	155645	12.5	12.6	
143 Isodrin	193	9.215	9.215	0.000	93	207354	12.5	10.6	
144 Fluoranthene	202	9.367	9.367	0.000	97	1864295	12.5	12.7	
145 Benzidine	184	9.525	9.525	0.000	100	3914552	37.5	46.3	
* 146 Pyrene-d10 (IS)	212	9.554	9.554	0.000	99	644382	5.00	5.00	
147 Pyrene	202	9.577	9.577	0.000	98	1906130	12.5	12.1	
S 68 Diallate	86				0		12.5	10.7	
$ 148 p-Terphenyl-d14	244	9.753	9.753	0.000	100	2245825	25.0	25.8	
149 p-Dimethylamino azobenzene	225	9.893	9.893	0.000	94	286899	12.5	14.0	
150 Chlorobenzilate	139	9.945	9.945	0.000	85	548260	12.5	13.0	
152 3,3'-Dimethylbenzidine	212	10.220	10.220	0.000	99	1056324	12.5	14.5	
153 Butyl benzyl phthalate	149	10.249	10.249	0.000	95	762348	12.5	13.4	
155 2-Acetylaminofluorene	181	10.471	10.471	0.000	94	652612	12.5	13.4	
156 Benzo[a]anthracene	228	10.763	10.763	0.000	99	1747532	12.5	14.0	
157 3,3'-Dichlorobenzidine	252	10.769	10.769	0.000	75	675907	12.5	14.9	
158 4,4'-Methylene bis(2-chloroanil	231	10.780	10.780	0.000	96	341081	12.5	14.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
159 Chrysene	228	10.804	10.804	0.000	97	1610204	12.5	13.3	
160 Bis(2-ethylhexyl) phthalate	149	10.880	10.880	0.000	95	1111084	12.5	14.6	
S 94 Isosafrole	162				0		12.5	12.5	
161 6-Methylchrysene	242	11.318	11.318	0.000	99	1068130	12.5	13.8	
162 Di-n-octyl phthalate	149	11.650	11.650	0.000	99	1684384	12.5	12.0	
163 7,12-Dimethylbenz(a)anthracene	256	12.018	12.018	0.000	72	725637	12.5	14.0	
164 Benzo[b]fluoranthene	252	12.018	12.018	0.000	96	1596472	12.5	12.2	
165 Benzo[k]fluoranthene	252	12.053	12.053	0.000	99	1668327	12.5	12.3	
166 Benzo[a]pyrene	252	12.427	12.427	0.000	77	1539203	12.5	12.3	
* 167 Perylene-d12	264	12.509	12.509	0.000	98	539631	5.00	5.00	
168 3-Methylcholanthrene	268	12.917	12.917	0.000	91	742072	12.5	13.2	
169 Dibenz[a,h]acridine	279	13.653	13.653	0.000	90	1245350	12.5	13.0	
170 Dibenz[a,j]acridine	279	13.723	13.723	0.000	96	1305164	12.5	13.5	
171 Indeno[1,2,3-cd]pyrene	276	13.939	13.939	0.000	99	1545224	12.5	13.4	
172 Dibenz(a,h)anthracene	278	13.986	13.986	0.000	93	1517326	12.5	14.0	
173 Benzo[g,h,i]perylene	276	14.290	14.290	0.000	98	1524477	12.5	13.0	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_6_00069 Amount Added: 1.00 Units: mL

Report Date: 06-Aug-2025 10:14:21 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0601.D

Injection Date: 06-Aug-2025 07:51:30 Instrument ID: HP23264 Operator ID: CJS101602

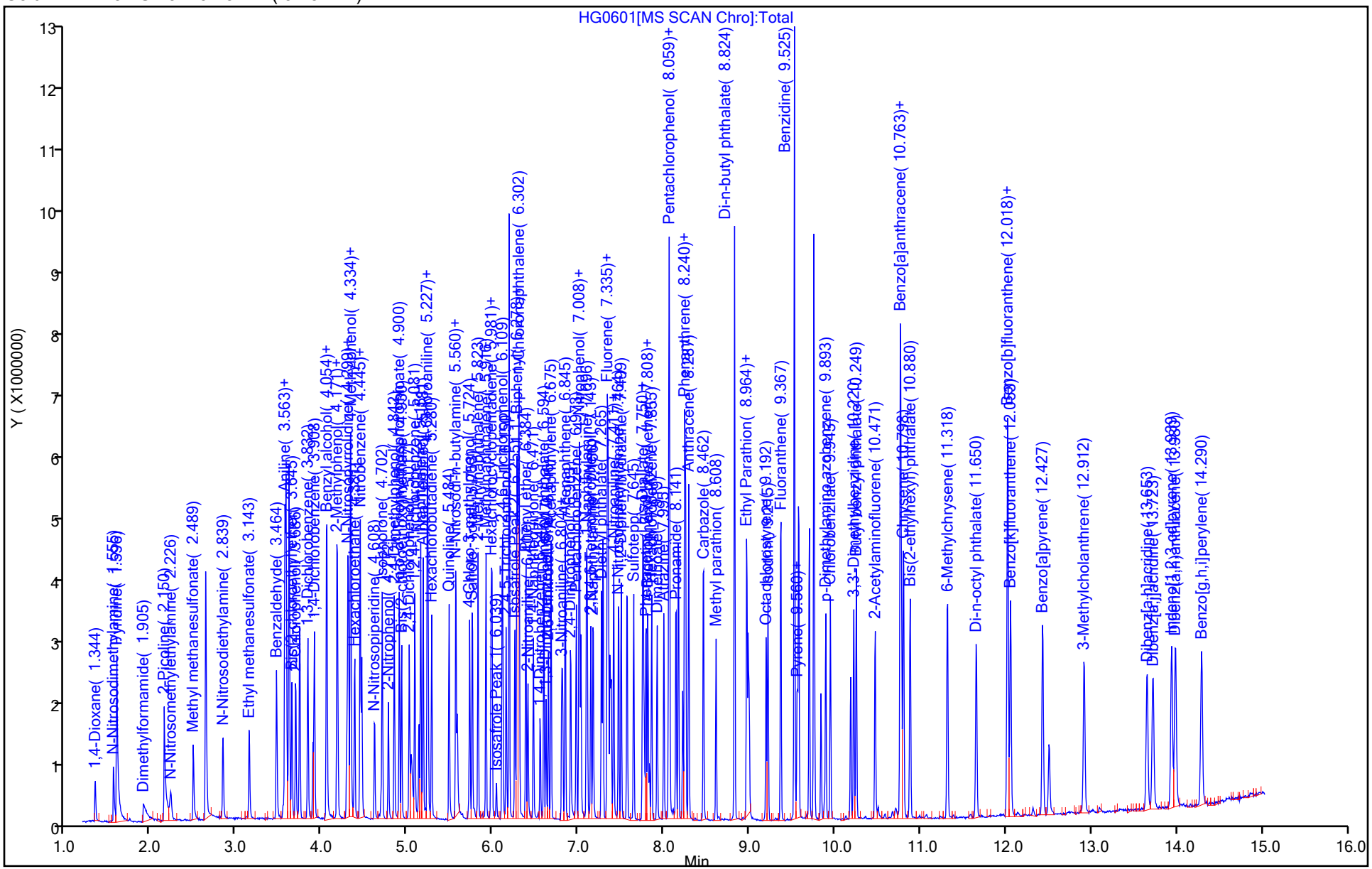
Lims ID: CCVIS L6 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCV 410-681375/34 Calibration Date: 08/06/2025 09:25

Instrument ID: HP23264 Calib Start Date: 06/03/2025 22:26

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/04/2025 00:13

Lab File ID: HG0605.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methapyrilene	Ave	0.4774	0.3594		9.41	12.5	-24.7*	20.0
Famphur	Ave	0.4281	0.3478		10.2	12.5	-18.7	20.0
Kepone	Ave	0.1215	0.1166		57.6	60.0	-4.0	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0605.D
Lims ID: CCV ABC
Client ID:
Sample Type: CCV
Inject. Date: 06-Aug-2025 09:25:30 ALS Bottle#: 5 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCV ABC
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub21

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 10:14:15 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1695

First Level Reviewer: W6ZA Date: 06-Aug-2025 10:08:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	3.890	3.890	0.000	97	162376	5.00	5.00	
* 52 Naphthalene-d8	136	5.128	5.128	0.000	100	553979	5.00	5.00	
* 96 Acenaphthene-d10	164	6.810	6.810	0.000	95	355316	5.00	5.00	
* 131 Phenanthrene-d10	188	8.211	8.211	0.000	98	717708	5.00	5.00	
141 Methapyrilene	97	9.075	9.075	0.000	96	644886	12.5	9.41	
* 146 Pyrene-d10 (IS)	212	9.554	9.554	0.000	98	754606	5.00	5.00	
151 Famphur	218	10.179	10.179	0.000	85	656223	12.5	10.2	a
154 Kepone	272	10.214	10.214	0.000	95	1055825	60.0	57.6	a
* 167 Perylene-d12	264	12.497	12.497	0.000	98	586966	5.00	5.00	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

MSS_RVABC_6_00022 Amount Added: 1.00 Units: mL

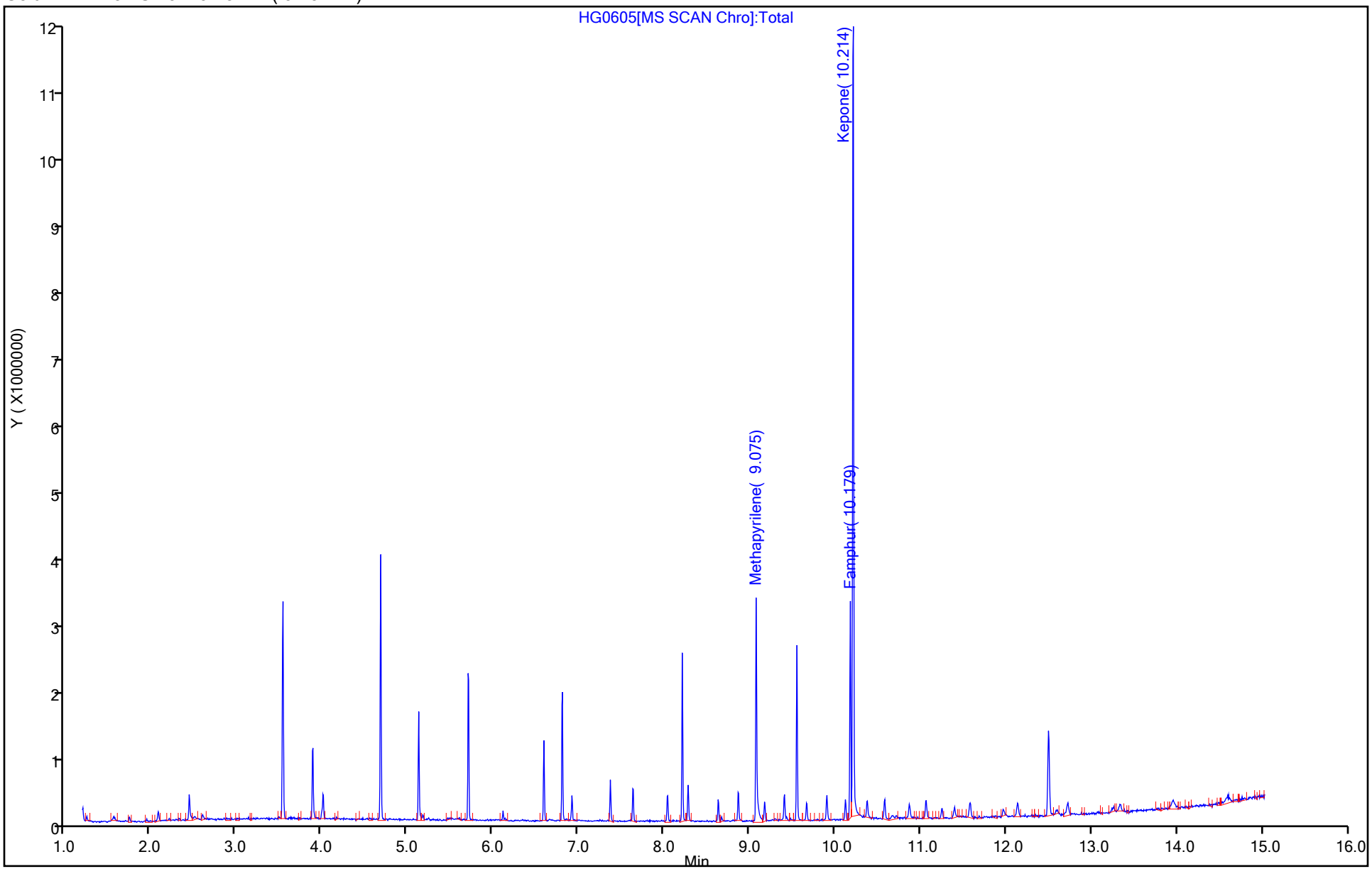
Report Date: 06-Aug-2025 10:14:16 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0605.D

Injection Date:	06-Aug-2025 09:25:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	CCV ABC			Worklist Smp#:	34
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

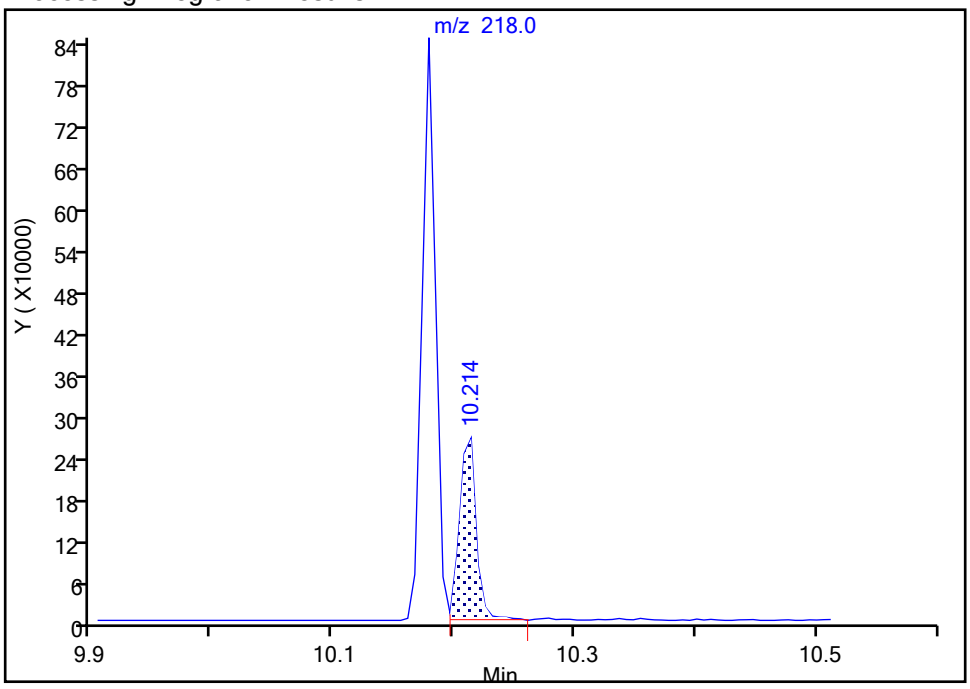
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0605.D				
Injection Date:	06-Aug-2025 09:25:30	Instrument ID:	HP23264		
Lims ID:	CCV ABC				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	5	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Famphur, CAS: 52-85-7

Signal: 1

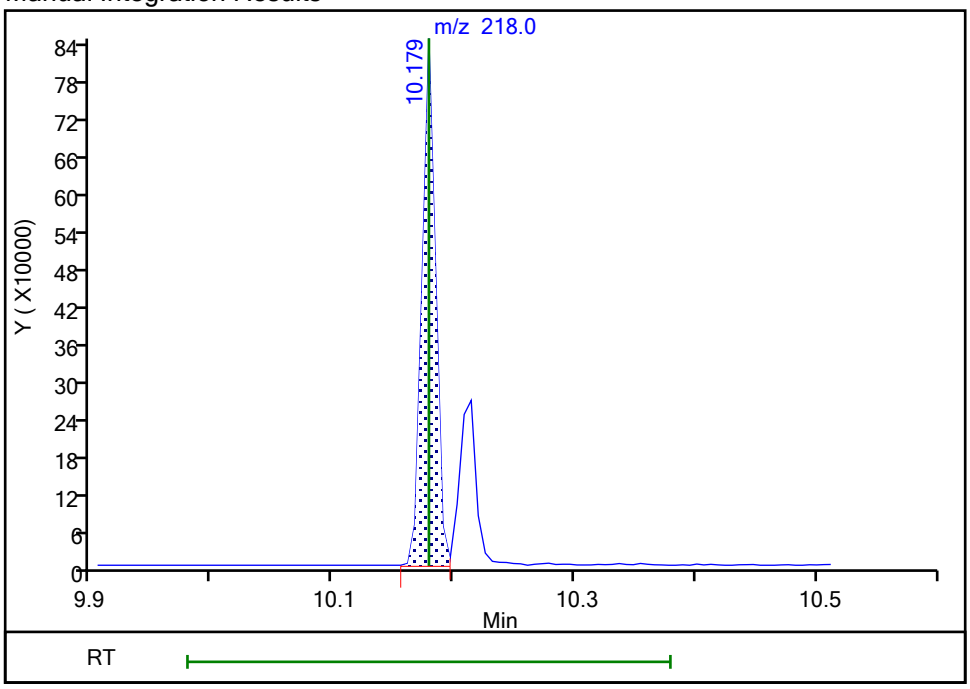
Processing Integration Results

RT: 10.21
Area: 254032
Amount: 7.864484
Amount Units: ug/ml



Manual Integration Results

RT: 10.18
Area: 656223
Amount: 10.157884
Amount Units: ug/ml



Reviewer: W6ZA, 06-Aug-2025 10:08:06 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

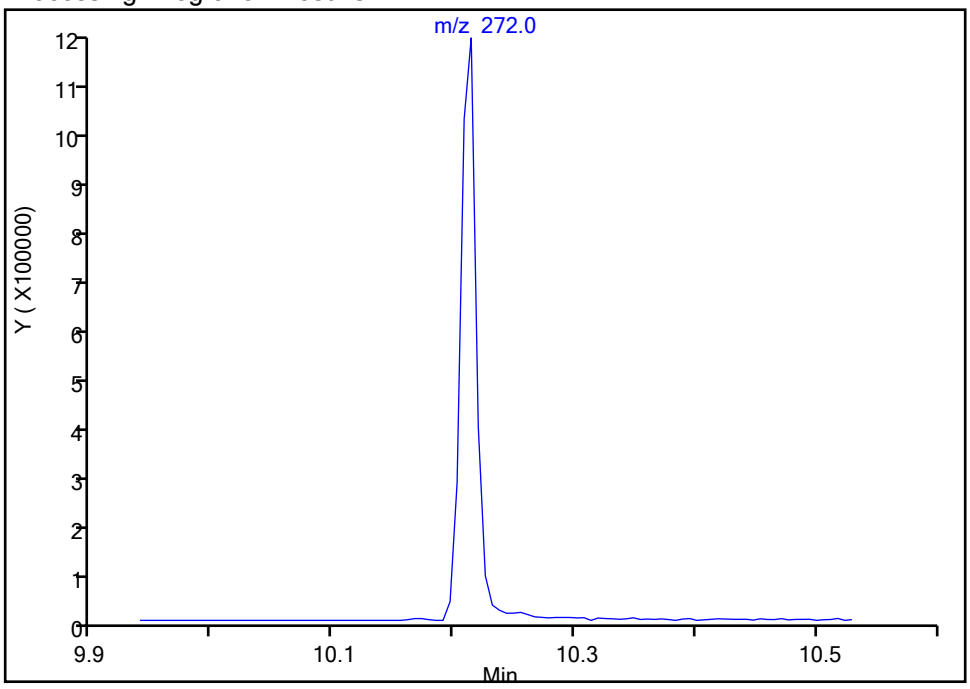
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0605.D				
Injection Date:	06-Aug-2025 09:25:30	Instrument ID:	HP23264		
Lims ID:	CCV ABC				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	5	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

154 Kepone, CAS: 143-50-0

Signal: 1

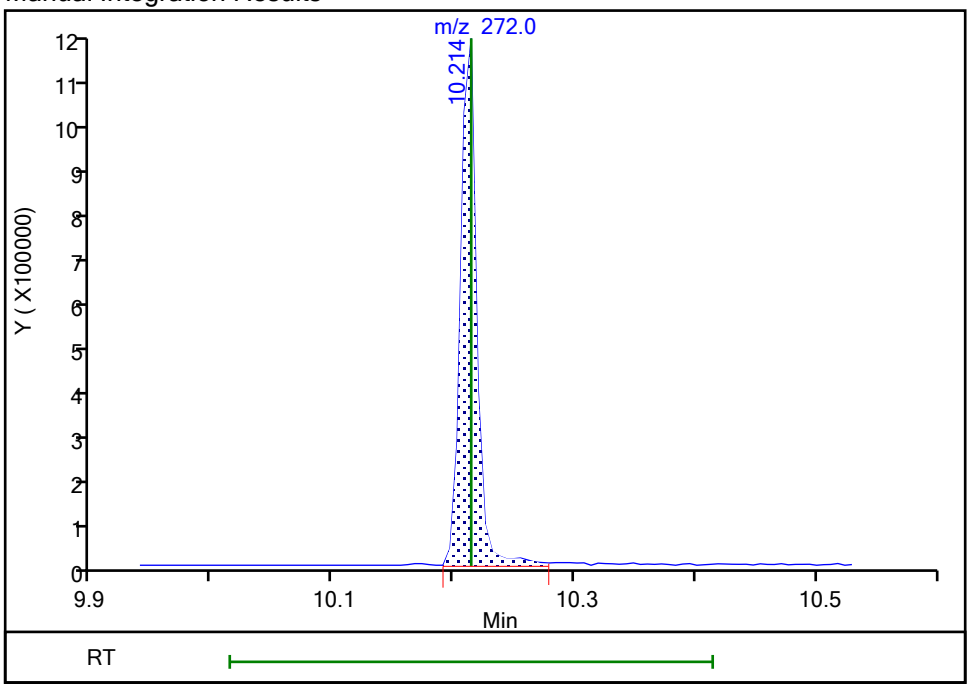
Not Detected
Expected RT: 10.21

Processing Integration Results



Manual Integration Results

RT: 10.21
Area: 1055825
Amount: 57.576629
Amount Units: ug/ml



Reviewer: W6ZA, 06-Aug-2025 10:08:08 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-682061/2 Calibration Date: 08/07/2025 08:11

Instrument ID: HP23264 Calib Start Date: 06/25/2025 23:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 01:38

Lab File ID: HG0701.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6065	0.5258		10.8	12.5	-13.3	20.0
N-Nitrosodimethylamine	Ave	1.019	0.9784		12.0	12.5	-4.0	20.0
Pyridine	Ave	1.823	1.436		19.7	25.0	-21.2*	20.0
N,N-dimethylformamide	Ave	1.182	1.088		11.5	12.5	-8.0	20.0
2-Picoline	Ave	1.583	1.601		12.7	12.5	1.2	20.0
N-Nitrosomethylethylamine	Ave	0.7400	0.6709		11.3	12.5	-9.3	20.0
Methyl methanesulfonate	Ave	1.159	0.9622		10.4	12.5	-17.0	20.0
N-Nitrosodiethylamine	Ave	0.7371	0.6538		11.1	12.5	-11.3	20.0
Ethyl methanesulfonate	Ave	0.7105	0.6868		12.1	12.5	-3.3	20.0
Benzaldehyde	Ave	1.563	1.237	0.0100	9.90	12.5	-20.8*	20.0
Aniline	Ave	2.362	2.488		13.2	12.5	5.3	20.0
Phenol	Ave	2.148	2.259	0.8000	13.2	12.5	5.2	20.0
Bis(2-chloroethyl)ether	Ave	1.547	1.426	0.7000	11.5	12.5	-7.8	20.0
2-Chlorophenol	Ave	1.209	1.222	0.8000	12.6	12.5	1.1	20.0
1,3-Dichlorobenzene	Ave	1.429	1.386		12.1	12.5	-3.0	20.0
1,4-Dichlorobenzene	Ave	1.449	1.428		12.3	12.5	-1.4	20.0
Benzyl alcohol	Ave	0.9290	0.9292		12.5	12.5	0.0	20.0
1,2-Dichlorobenzene	Ave	1.358	1.313		12.1	12.5	-3.3	20.0
bis (2-chloroisopropyl) ether	Ave	2.831	2.029	0.0100	8.96	12.5	-28.3*	20.0
o-Cresol	Ave	1.372	1.376	0.7000	12.5	12.5	0.3	20.0
N-Nitrosopyrrolidine	Ave	0.8158	0.8003		12.3	12.5	-1.9	20.0
Acetophenone	Ave	2.228	2.191	0.0100	12.3	12.5	-1.7	20.0
N-Nitrosodi-n-propylamine	Ave	1.454	1.264	0.5000	10.9	12.5	-13.1	20.0
N-Nitrosomorpholine	Ave	1.152	1.004		10.9	12.5	-12.8	20.0
2-Toluidine	Ave	2.337	2.247		12.0	12.5	-3.9	20.0
m & p-Cresol	Ave	1.464	1.542	0.6000	13.2	12.5	5.3	20.0
Hexachloroethane	Ave	0.7022	0.6379	0.3000	11.4	12.5	-9.2	20.0
Nitrobenzene	Ave	0.6208	0.5641	0.2000	11.4	12.5	-9.1	20.0
N-Nitrosopiperidine	Ave	0.2054	0.1936		11.8	12.5	-5.8	20.0
Isophorone	Ave	1.072	0.9785	0.4000	11.4	12.5	-8.7	20.0
2-Nitrophenol	Ave	0.1801	0.1814	0.1000	12.6	12.5	0.7	20.0
2,4-Dimethylphenol	Ave	0.4434	0.4414	0.2000	12.4	12.5	-0.4	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1982	0.1926		12.2	12.5	-2.8	20.0
Bis(2-chloroethoxy)methane	Ave	0.6145	0.5579	0.3000	11.4	12.5	-9.2	20.0
2,4-Dichlorophenol	Ave	0.3309	0.3319	0.2000	12.5	12.5	0.3	20.0
1,2,4-Trichlorobenzene	Ave	0.4043	0.3698		11.4	12.5	-8.5	20.0
Naphthalene	Ave	1.072	1.072	0.7000	12.5	12.5	-0.0	20.0
a-Terpineol	Ave	0.5110	0.3989		9.76	12.5	-21.9*	20.0
2,6-Dichlorophenol	Ave	0.3395	0.3342		12.3	12.5	-1.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-682061/2 Calibration Date: 08/07/2025 08:11

Instrument ID: HP23264 Calib Start Date: 06/25/2025 23:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 01:38

Lab File ID: HG0701.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Chloroaniline	Ave	0.4205	0.4504	0.0100	13.4	12.5	7.1	20.0
Hexachloropropene	Ave	0.3242	0.3066		11.8	12.5	-5.4	20.0
Hexachlorobutadiene	Ave	0.2550	0.2337	0.0100	11.5	12.5	-8.4	20.0
Quinoline	Ave	0.6990	0.7046		12.6	12.5	0.8	20.0
N-Nitrosodi-n-butylamine	Ave	0.4721	0.4254		11.3	12.5	-9.9	20.0
Caprolactam	Ave	0.0980	0.0941	0.0100	12.0	12.5	-4.0	20.0
1,4-phenylenediamine	Ave	0.3460	0.3308			12.5	-4.4	20.0
4-Chloro-3-methylphenol	Ave	0.4197	0.3937	0.2000	11.7	12.5	-6.2	20.0
Safrole, Total	Ave	0.2911	0.2870		12.3	12.5	-1.4	20.0
2-Methylnaphthalene	Ave	0.6282	0.6097	0.4000	12.1	12.5	-2.9	20.0
1-Methylnaphthalene	Ave	0.6879	0.6378		11.6	12.5	-7.3	20.0
Hexachlorocyclopentadiene	Ave	0.5259	0.5435	0.0500	12.9	12.5	3.4	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7422	0.7261	0.0100	12.2	12.5	-2.2	20.0
Isosafrole Peak 1	Ave	0.5729	0.5229		1.83	2.00	-8.7	20.0
2,4,6-Trichlorophenol	Ave	0.4121	0.4516	0.2000	13.7	12.5	9.6	20.0
2,4,5-Trichlorophenol	Ave	0.4596	0.5004	0.2000	13.6	12.5	8.9	20.0
Isosafrole Peak 2	Ave	0.6169	0.6178		10.5	10.5	0.1	20.0
1,1'-Biphenyl	Ave	1.442	1.463	0.0100	12.7	12.5	1.4	20.0
2-Chloronaphthalene	Ave	1.201	1.343	0.8000	14.0	12.5	11.8	20.0
1-Chloronaphthalene	Ave	1.228	1.115		11.4	12.5	-9.1	20.0
Diphenyl ether	Ave	0.8978	0.9249		12.9	12.5	3.0	20.0
2-Nitroaniline	Ave	0.3401	0.3894	0.0100	14.3	12.5	14.5	20.0
1,4-Naphthoquinone	Ave	0.4526	0.5030		13.9	12.5	11.1	20.0
1,4-Dinitrobenzene	Ave	0.1785	0.1648		11.5	12.5	-7.7	20.0
Dimethyl phthalate	Ave	1.435	1.392	0.0100	12.1	12.5	-3.0	20.0
1,3-Dinitrobenzene	Ave	0.1883	0.1885		12.5	12.5	0.1	20.0
2,6-Dinitrotoluene	Ave	0.3067	0.3019	0.2000	12.3	12.5	-1.6	20.0
Acenaphthylene	Ave	1.894	1.896	0.9000	12.5	12.5	0.1	20.0
3-Nitroaniline	Ave	0.2952	0.3409	0.0100	14.4	12.5	15.5	20.0
Acenaphthene	Ave	1.232	1.203	0.9000	12.2	12.5	-2.4	20.0
2,4-Dinitrophenol	Ave	0.1998	0.1911	0.0100	23.9	25.0	-4.3	20.0
Pentachlorobenzene	Ave	0.6162	0.6177		12.5	12.5	0.2	20.0
Dibenzofuran	Ave	1.716	1.683	0.8000	12.3	12.5	-1.9	20.0
4-Nitrophenol	Ave	0.2360	0.2685	0.0100	28.4	25.0	13.8	20.0
2,4-Dinitrotoluene	Ave	0.4214	0.4353	0.2000	12.9	12.5	3.3	20.0
1-Naphthylamine	Ave	1.110	1.207		13.6	12.5	8.7	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3995	0.3669	0.0100	11.5	12.5	-8.2	20.0
2-Naphthylamine	Ave	1.159	1.161		12.5	12.5	0.2	20.0
Diethyl phthalate	Ave	1.437	1.395	0.0100	12.1	12.5	-2.9	20.0
Fluorene	Ave	1.311	1.369	0.9000	13.1	12.5	4.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-682061/2 Calibration Date: 08/07/2025 08:11

Instrument ID: HP23264 Calib Start Date: 06/25/2025 23:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 01:38

Lab File ID: HG0701.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
O,O-Diethyl O-2-pyrazinyl phosphorothioate	Ave	0.2653	0.2572		12.1	12.5	-3.1	20.0
4-Chlorophenyl-phenyl ether	Ave	0.7055	0.7151	0.4000	12.7	12.5	1.4	20.0
5-Nitro-o-toluidine	Ave	0.3654	0.3644		12.5	12.5	-0.3	20.0
4-Nitroaniline	Ave	0.2840	0.3027	0.0100	13.3	12.5	6.6	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1382	0.1498	0.0100	27.1	25.0	8.4	20.0
n-Nitrosodiphenylamine(as diphenylamine)	Ave	0.5805	0.6509	0.0100	11.9	10.6	12.1	20.0
1,2-Diphenylhydrazine	Ave	1.139	1.027		11.3	12.5	-9.9	20.0
Sulfotepp	Ave	0.1967	0.1647		10.5	12.5	-16.3	20.0
cis-Diallate	Ave	0.3849	0.3523		8.47	9.25	-8.5	20.0
Phorate	Ave	0.9677	0.9031		11.7	12.5	-6.7	20.0
1,3,5-Trinitrobenzene	Ave	0.0719	0.0722			12.5	0.4	20.0
Phenacetin	Ave	0.4359	0.4573		13.1	12.5	4.9	20.0
4-Bromophenyl-phenylether	Ave	0.2247	0.2388	0.1000	13.3	12.5	6.3	20.0
trans-Diallate	Ave	0.3953	0.3824		3.14	3.25	-3.3	20.0
Hexachlorobenzene	Ave	0.2688	0.2839	0.1000	13.2	12.5	5.6	20.0
Dimethoate	Ave	0.3682	0.3910		13.3	12.5	6.2	20.0
Atrazine	Ave	0.2232	0.2125	0.0100	11.9	12.5	-4.8	20.0
Pentachlorophenol	Ave	0.1657	0.1683	0.0500	25.4	25.0	1.6	20.0
4-Aminobiphenyl	Ave	0.7882	0.8547		13.6	12.5	8.4	20.0
Pentachloronitrobenzene	Ave	0.1344	0.1422		13.2	12.5	5.8	20.0
Pronamide	Ave	0.3739	0.3862		12.9	12.5	3.3	20.0
Phenanthrene	Ave	1.105	1.147	0.7000	13.0	12.5	3.8	20.0
Dinoseb	Ave	0.2051	0.2067		12.6	12.5	0.8	20.0
Disulfoton	Ave	0.5922	0.5577		11.8	12.5	-5.8	20.0
Anthracene	Ave	1.084	1.145	0.7000	13.2	12.5	5.6	20.0
Carbazole	Ave	0.9697	1.058	0.0100	13.6	12.5	9.1	20.0
Methyl parathion	Ave	0.2758	0.2900		13.1	12.5	5.1	20.0
Di-n-butyl phthalate	Ave	1.138	1.240	0.0100	13.6	12.5	9.0	20.0
Parathion	Ave	0.1575	0.1826		14.5	12.5	15.9	20.0
4-Nitroquinoline-1-oxide	Ave	0.0956	0.0883		11.6	12.5	-7.6	20.0
Octachlorostyrene	Ave	0.1023	0.1058		12.9	12.5	3.4	20.0
Isodrin	Ave	0.1617	0.1476		11.4	12.5	-8.7	20.0
Fluoranthene	Ave	1.215	1.272	0.6000	13.1	12.5	4.7	20.0
Benzidine	Ave	0.6554	0.7472		42.8	37.5	14.0	20.0
Pyrene	Ave	1.222	1.160	0.6000	11.9	12.5	-5.0	20.0
p-Dimethylamino azobenzene	Ave	0.1592	0.1685		13.2	12.5	5.8	20.0
Chlorobenzilate	Ave	0.3268	0.3539		13.5	12.5	8.3	20.0
3,3'-Dimethylbenzidine	Ave	0.5672	0.6113		13.5	12.5	7.8	20.0
Butyl benzyl phthalate	Ave	0.4430	0.4724	0.0100	13.3	12.5	6.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCVIS 410-682061/2 Calibration Date: 08/07/2025 08:11

Instrument ID: HP23264 Calib Start Date: 06/25/2025 23:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 01:38

Lab File ID: HG0701.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Acetylaminofluorene	Ave	0.3770	0.4049		13.4	12.5	7.4	20.0
3,3'-Dichlorobenzidine	Ave	0.3519	0.4144	0.0100	14.7	12.5	17.8	20.0
Benzo[a]anthracene	Ave	0.9660	1.054	0.8000	13.6	12.5	9.1	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.1883	0.2043		13.6	12.5	8.5	20.0
Chrysene	Ave	0.9387	0.9778	0.7000	13.0	12.5	4.2	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.5917	0.6891	0.0100	14.6	12.5	16.5	20.0
6-Methylchrysene	Ave	0.5985	0.6626		13.8	12.5	10.7	20.0
Di-n-octyl phthalate	Ave	1.298	1.262	0.0100	12.2	12.5	-2.8	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.4799	0.5108		13.3	12.5	6.4	20.0
Benzo[b]fluoranthene	Ave	1.216	1.259	0.7000	12.9	12.5	3.5	20.0
Benzo[k]fluoranthene	Ave	1.256	1.217	0.7000	12.1	12.5	-3.1	20.0
Benzo[a]pyrene	Ave	1.162	1.148	0.7000	12.4	12.5	-1.2	20.0
3-Methylcholanthrene	Ave	0.5205	0.5384		12.9	12.5	3.4	20.0
Dibenz[a,h]acridine	Ave	0.8851	0.9353		13.2	12.5	5.7	20.0
Dibenz[a,j]acridine	Ave	0.8940	1.018		14.2	12.5	13.8	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.067	1.170	0.5000	13.7	12.5	9.6	20.0
Dibenz(a,h)anthracene	Ave	1.006	1.152	0.4000	14.3	12.5	14.5	20.0
Benzo[g,h,i]perylene	Ave	1.088	1.204	0.5000	13.8	12.5	10.7	20.0
2-Fluorophenol (Surr)	Ave	1.221	1.265		25.9	25.0	3.6	20.0
Phenol-d5 (Surr)	Ave	1.829	1.904		26.0	25.0	4.1	20.0
Nitrobenzene-d5 (Surr)	Ave	0.5965	0.5513		23.1	25.0	-7.6	20.0
2-Fluorobiphenyl (Surr)	Ave	1.420	1.468		25.9	25.0	3.4	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2379	0.2569		27.0	25.0	8.0	20.0
p-Terphenyl-d14 (Surr)	Ave	0.6748	0.6924		25.7	25.0	2.6	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0701.D
Lims ID: CCVIS L6
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Aug-2025 08:11:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L6
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub57

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 10:51:13 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: W6ZA Date: 07-Aug-2025 08:33:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.339	1.339	0.000	94	191883	12.5	10.8	
2 N-Nitrosodimethylamine	74	1.549	1.549	0.000	95	357040	12.5	12.0	Ma
3 Pyridine	79	1.590	1.590	0.000	98	1048343	25.0	19.7	
4 Dimethylformamide	73	1.899	1.899	0.000	93	397060	12.5	11.5	M
5 2-Picoline	93	2.144	2.144	0.000	90	584271	12.5	12.6	
6 N-Nitrosomethylethylamine	88	2.220	2.220	0.000	98	244841	12.5	11.3	
7 Methyl methanesulfonate	80	2.489	2.489	0.000	85	351128	12.5	10.4	
$ 9 2-Fluorophenol	112	2.641	2.641	0.000	93	922985	25.0	25.9	
11 N-Nitrosodiethylamine	102	2.833	2.833	0.000	93	238584	12.5	11.1	
12 Ethyl methanesulfonate	109	3.143	3.143	0.000	95	250649	12.5	12.1	
13 Benzaldehyde	77	3.464	3.464	0.000	94	451586	12.5	9.90	
$ 15 Phenol-d5	99	3.569	3.569	0.000	95	1389784	25.0	26.0	
17 Aniline	93	3.575	3.575	0.000	89	908076	12.5	13.2	
16 Phenol	94	3.581	3.581	0.000	95	824245	12.5	13.1	
18 Bis(2-chloroethyl)ether	93	3.645	3.645	0.000	90	520274	12.5	11.5	
19 2-Chlorophenol	128	3.692	3.692	0.000	94	445937	12.5	12.6	
21 1,3-Dichlorobenzene	146	3.832	3.832	0.000	95	505672	12.5	12.1	
* 22 1,4-Dichlorobenzene-d4	152	3.890	3.890	0.000	95	145973	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.908	3.908	0.000	90	520991	12.5	12.3	
26 Benzyl alcohol	108	4.048	4.048	0.000	89	339090	12.5	12.5	
27 1,2-Dichlorobenzene	146	4.054	4.054	0.000	93	479325	12.5	12.1	
29 2-Methylphenol	108	4.176	4.176	0.000	93	502062	12.5	12.5	
30 2,2'-oxybis[1-chloropropane]	45	4.176	4.176	0.000	75	740527	12.5	8.96	
31 N-Nitrosopyrrolidine	100	4.287	4.287	0.000	89	292067	12.5	12.3	
32 Acetophenone	105	4.299	4.299	0.000	92	799480	12.5	12.3	
33 N-Nitrosodi-n-propylamine	70	4.305	4.305	0.000	85	461337	12.5	10.9	
35 N-Nitrosomorpholine	56	4.328	4.328	0.000	82	366543	12.5	10.9	
34 4-Methylphenol	108	4.334	4.334	0.000	83	562646	12.5	13.2	
36 2-Toluidine	106	4.334	4.334	0.000	82	820081	12.5	12.0	
37 Hexachloroethane	117	4.375	4.375	0.000	96	232794	12.5	11.4	
$ 39 Nitrobenzene-d5	82	4.439	4.439	0.000	88	1319728	25.0	23.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Nitrobenzene	77	4.462	4.462	0.000	87	675265	12.5	11.4	
41 N-Nitrosopiperidine	114	4.608	4.608	0.000	81	231719	12.5	11.8	
42 Isophorone	82	4.702	4.702	0.000	98	1171179	12.5	11.4	
43 2-Nitrophenol	139	4.772	4.772	0.000	89	217100	12.5	12.6	
44 2,4-Dimethylphenol	107	4.842	4.842	0.000	97	528309	12.5	12.4	
46 o,o',o''-Triethylphosphorothioat	198	4.900	4.900	0.000	90	230511	12.5	12.1	
47 Bis(2-chloroethoxy)methane	93	4.924	4.924	0.000	96	667788	12.5	11.3	
49 2,4-Dichlorophenol	162	5.017	5.017	0.000	97	397236	12.5	12.5	
50 1,2,4-Trichlorobenzene	180	5.081	5.081	0.000	92	442698	12.5	11.4	
* 52 Naphthalene-d8	136	5.128	5.128	0.000	99	478789	5.00	5.00	
53 Naphthalene	128	5.151	5.151	0.000	98	1283383	12.5	12.5	
55 Alpha-Terpineol	59	5.181	5.181	0.000	93	477452	12.5	9.76	
56 4-Chloroaniline	127	5.227	5.227	0.000	85	539126	12.5	13.4	
57 2,6-Dichlorophenol	162	5.227	5.227	0.000	82	400073	12.5	12.3	
58 Hexachloropropene	213	5.233	5.233	0.000	97	366997	12.5	11.8	
59 Hexachlorobutadiene	225	5.280	5.280	0.000	95	279753	12.5	11.5	
61 Quinoline	129	5.484	5.484	0.000	94	843386	12.5	12.6	
63 N-Nitrosodi-n-butylamine	84	5.560	5.560	0.000	89	509165	12.5	11.3	
62 Caprolactam	113	5.566	5.566	0.000	68	112625	12.5	12.0	
64 p-Phenylene diamine	108	5.578	5.578	0.000	96	395935	12.5	12.0	
65 4-Chloro-3-methylphenol	107	5.730	5.730	0.000	91	471207	12.5	11.7	
66 Safrole, Total	162	5.753	5.753	0.000	85	343574	12.5	12.3	
67 2-Methylnaphthalene	142	5.823	5.823	0.000	91	729792	12.5	12.1	
69 1-Methylnaphthalene	142	5.911	5.911	0.000	91	763403	12.5	11.6	
71 Hexachlorocyclopentadiene	237	5.975	5.975	0.000	94	374018	12.5	12.9	
70 1,2,4,5-Tetrachlorobenzene	216	5.986	5.986	0.000	96	499626	12.5	12.2	
72 Isosafrole Peak 1	162	6.033	6.033	0.000	79	57574	2.00	1.83	
79 2,4,6-Trichlorophenol	196	6.109	6.109	0.000	94	310752	12.5	13.7	
80 2,4,5-Trichlorophenol	196	6.156	6.156	0.000	94	344320	12.5	13.6	
$ 81 2-Fluorobiphenyl (Surr)	172	6.185	6.185	0.000	100	2020845	25.0	25.9	
82 Isosafrole Peak 2	162	6.249	6.249	0.000	88	357108	10.5	10.5	
83 1,1'-Biphenyl	154	6.273	6.273	0.000	96	1006605	12.5	12.7	
84 2-Chloronaphthalene	162	6.284	6.284	0.000	97	923856	12.5	14.0	M
85 1-Chloronaphthalene	162	6.302	6.302	0.000	98	767545	12.5	11.4	Ma
86 Phenyl ether	170	6.378	6.378	0.000	88	636464	12.5	12.9	
87 2-Nitroaniline	138	6.407	6.407	0.000	77	267978	12.5	14.3	
88 1,4-Naphthoquinone	158	6.471	6.471	0.000	79	346133	12.5	13.9	
S 24 Dinitrotoluene	165				0		25.0	25.2	
89 1,4-Dinitrobenzene	168	6.547	6.547	0.000	84	113399	12.5	11.5	
90 Dimethyl phthalate	163	6.588	6.588	0.000	97	958194	12.5	12.1	
91 1,3-Dinitrobenzene	168	6.617	6.617	0.000	80	129739	12.5	12.5	
92 2,6-Dinitrotoluene	165	6.646	6.646	0.000	88	207736	12.5	12.3	
93 Acenaphthylene	152	6.675	6.675	0.000	99	1304749	12.5	12.5	
95 3-Nitroaniline	138	6.804	6.804	0.000	89	234570	12.5	14.4	
* 96 Acenaphthene-d10	164	6.810	6.810	0.000	93	275245	5.00	5.00	
97 Acenaphthene	153	6.839	6.839	0.000	95	827494	12.5	12.2	
98 2,4-Dinitrophenol	184	6.903	6.903	0.000	81	263036	25.0	23.9	
99 Pentachlorobenzene	250	6.967	6.967	0.000	97	425059	12.5	12.5	
101 Dibenzofuran	168	7.008	7.008	0.000	93	1158219	12.5	12.3	
100 4-Nitrophenol	109	7.014	7.014	0.000	88	369558	25.0	28.4	
102 2,4-Dinitrotoluene	165	7.026	7.026	0.000	88	299527	12.5	12.9	
104 1-Naphthylamine	143	7.090	7.090	0.000	98	830220	12.5	13.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
105 2,3,4,6-Tetrachlorophenol	232	7.143	7.143	0.000	73	252455	12.5	11.5	
106 2-Naphthylamine	143	7.166	7.166	0.000	95	798818	12.5	12.5	
107 Diethyl phthalate	149	7.265	7.265	0.000	97	960052	12.5	12.1	
108 Fluorene	166	7.329	7.329	0.000	93	942162	12.5	13.1	
109 Thionazin	107	7.335	7.335	0.000	75	177010	12.5	12.1	
110 4-Chlorophenyl phenyl ether	204	7.347	7.347	0.000	89	492088	12.5	12.7	
111 N-Nitro-o-toluidine	152	7.364	7.364	0.000	87	250716	12.5	12.5	
112 4-Nitroaniline	138	7.382	7.382	0.000	77	208326	12.5	13.3	
113 4,6-Dinitro-2-methylphenol	198	7.405	7.405	0.000	78	376497	25.0	27.1	
114 N-Nitrosodiphenylamine	169	7.464	7.464	0.000	64	695344	10.6	11.9	
115 1,2-Diphenylhydrazine	77	7.493	7.493	0.000	98	1290196	12.5	11.3	
$ 116 2,4,6-Tribromophenol	330	7.563	7.563	0.000	94	353579	25.0	27.0	
117 Sulfotepp	97	7.639	7.639	0.000	77	206928	12.5	10.5	
120 cis-Diallate	86	7.744	7.744	0.000	91	327623	9.25	8.47	
119 Phorate	75	7.750	7.750	0.000	94	1134907	12.5	11.7	
118 1,3,5-Trinitrobenzene	213	7.767	7.767	0.000	81	90785	12.5	12.6	a
121 Phenacetin	108	7.785	7.785	0.000	89	574655	12.5	13.1	
122 4-Bromophenyl phenyl ether	248	7.808	7.808	0.000	64	300147	12.5	13.3	
123 trans-Diallate	86	7.826	7.826	0.000	92	124932	3.25	3.14	
124 Hexachlorobenzene	284	7.849	7.849	0.000	95	356826	12.5	13.2	
125 Dimethoate	87	7.919	7.919	0.000	97	491396	12.5	13.3	
126 Atrazine	200	7.995	7.995	0.000	89	266995	12.5	11.9	
127 Pentachlorophenol	266	8.053	8.053	0.000	91	422990	25.0	25.4	
129 4-Aminobiphenyl	169	8.059	8.059	0.000	91	1074154	12.5	13.6	
128 Pentachloronitrobenzene	237	8.059	8.059	0.000	50	178738	12.5	13.2	
130 Pronamide	173	8.135	8.135	0.000	89	485324	12.5	12.9	
* 131 Phenanthrene-d10	188	8.217	8.217	0.000	98	502684	5.00	5.00	
132 Phenanthrene	178	8.234	8.234	0.000	98	1441616	12.5	13.0	
133 Dinoseb	211	8.246	8.246	0.000	92	259756	12.5	12.6	
134 Disulfoton	88	8.252	8.252	0.000	97	700812	12.5	11.8	
135 Anthracene	178	8.287	8.287	0.000	97	1438890	12.5	13.2	
136 Carbazole	167	8.456	8.456	0.000	96	1329142	12.5	13.6	
137 Methyl parathion	109	8.602	8.602	0.000	90	364439	12.5	13.1	
138 Di-n-butyl phthalate	149	8.824	8.824	0.000	100	1558884	12.5	13.6	
139 Ethyl Parathion	109	8.982	8.982	0.000	80	229472	12.5	14.5	
140 4-Nitroquinoline-1-oxide	190	8.994	8.994	0.000	86	111024	12.5	11.5	
142 Octachlorostyrene	308	9.192	9.192	0.000	90	132998	12.5	12.9	
143 Isodrin	193	9.215	9.215	0.000	92	185513	12.5	11.4	
144 Fluoranthene	202	9.361	9.361	0.000	98	1598305	12.5	13.1	
145 Benzidine	184	9.525	9.525	0.000	99	3205522	37.5	42.8	
* 146 Pyrene-d10 (IS)	212	9.554	9.554	0.000	97	571997	5.00	5.00	
147 Pyrene	202	9.572	9.572	0.000	97	1659200	12.5	11.9	
S 68 Diallate	86				0		12.5	11.6	
$ 148 p-Terphenyl-d14	244	9.753	9.753	0.000	100	1980297	25.0	25.7	
149 p-Dimethylamino azobenzene	225	9.887	9.887	0.000	93	240974	12.5	13.2	
150 Chlorobenzilate	139	9.945	9.945	0.000	86	506127	12.5	13.5	
152 3,3'-Dimethylbenzidine	212	10.214	10.214	0.000	99	874151	12.5	13.5	
153 Butyl benzyl phthalate	149	10.243	10.243	0.000	95	675583	12.5	13.3	
155 2-Acetylaminofluorene	181	10.465	10.465	0.000	93	578971	12.5	13.4	
156 Benzo[a]anthracene	228	10.763	10.763	0.000	99	1506838	12.5	13.6	
157 3,3'-Dichlorobenzidine	252	10.763	10.763	0.000	77	592658	12.5	14.7	
158 4,4'-Methylene bis(2-chloroanil	231	10.774	10.774	0.000	94	292188	12.5	13.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
159 Chrysene	228	10.798	10.798	0.000	97	1398226	12.5	13.0	
160 Bis(2-ethylhexyl) phthalate	149	10.874	10.874	0.000	96	985470	12.5	14.6	
S 94 Isosafrole	162				0		12.5	12.3	
161 6-Methylchrysene	242	11.312	11.312	0.000	99	947459	12.5	13.8	
162 Di-n-octyl phthalate	149	11.650	11.650	0.000	99	1514815	12.5	12.1	
163 7,12-Dimethylbenz(a)anthracene	256	12.018	12.018	0.000	73	613343	12.5	13.3	
164 Benzo[b]fluoranthene	252	12.018	12.018	0.000	97	1511162	12.5	12.9	
165 Benzo[k]fluoranthene	252	12.047	12.047	0.000	99	1461540	12.5	12.1	
166 Benzo[a]pyrene	252	12.427	12.427	0.000	76	1378001	12.5	12.3	
* 167 Perylene-d12	264	12.503	12.503	0.000	97	480258	5.00	5.00	
168 3-Methylcholanthrene	268	12.912	12.912	0.000	91	646416	12.5	12.9	
169 Dibenz[a,h]acridine	279	13.647	13.647	0.000	90	1123022	12.5	13.2	
170 Dibenz[a,j]acridine	279	13.717	13.717	0.000	96	1221763	12.5	14.2	
171 Indeno[1,2,3-cd]pyrene	276	13.939	13.939	0.000	99	1404556	12.5	13.7	
172 Dibenz(a,h)anthracene	278	13.980	13.980	0.000	92	1382711	12.5	14.3	
173 Benzo[g,h,i]perylene	276	14.284	14.284	0.000	98	1445986	12.5	13.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_6_00069 Amount Added: 1.00 Units: mL

Report Date: 07-Aug-2025 10:51:14 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0701.D

Injection Date: 07-Aug-2025 08:11:30 Instrument ID: HP23264 Operator ID: CJS101602

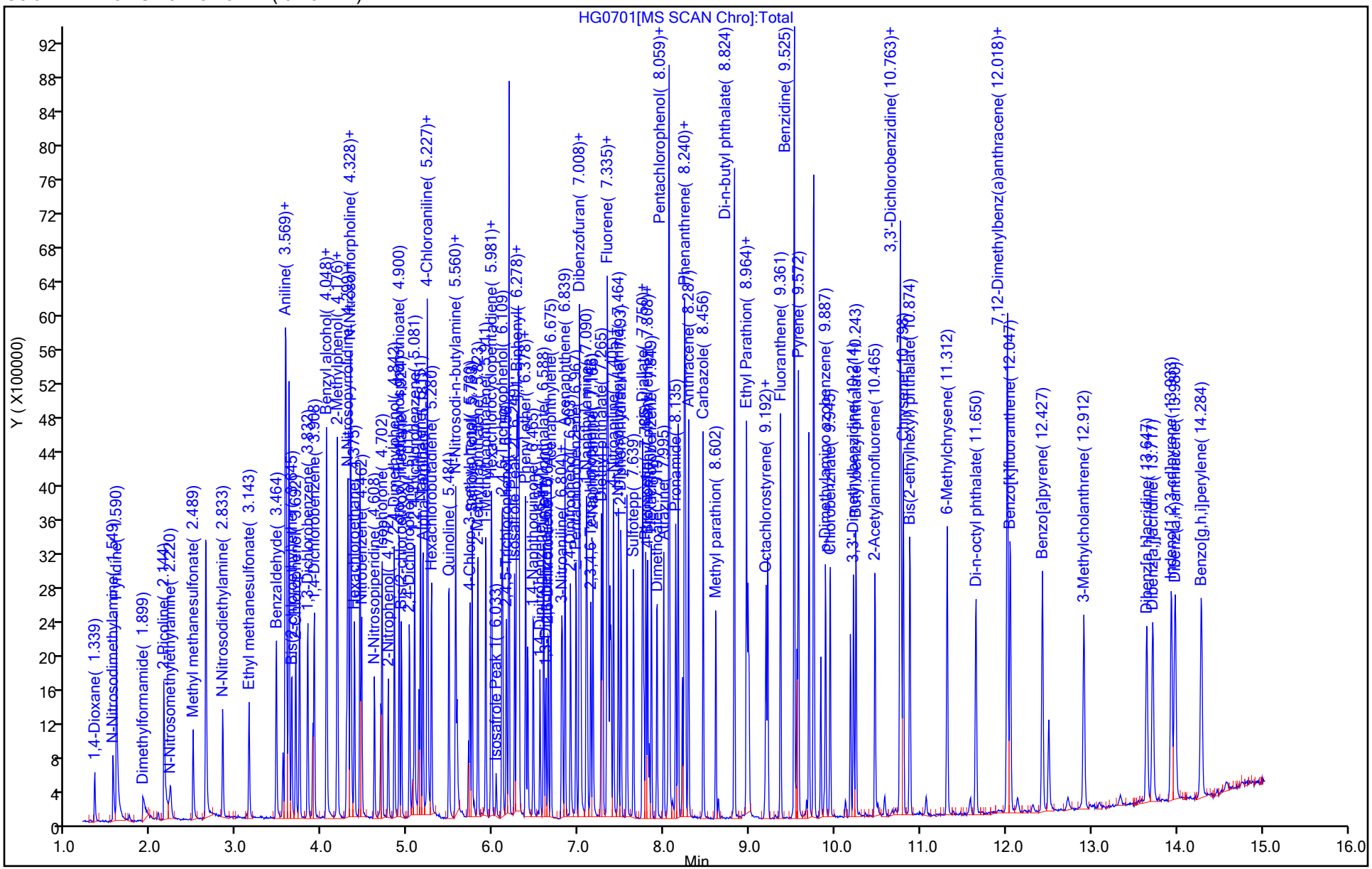
Lims ID: CCVIS L6 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

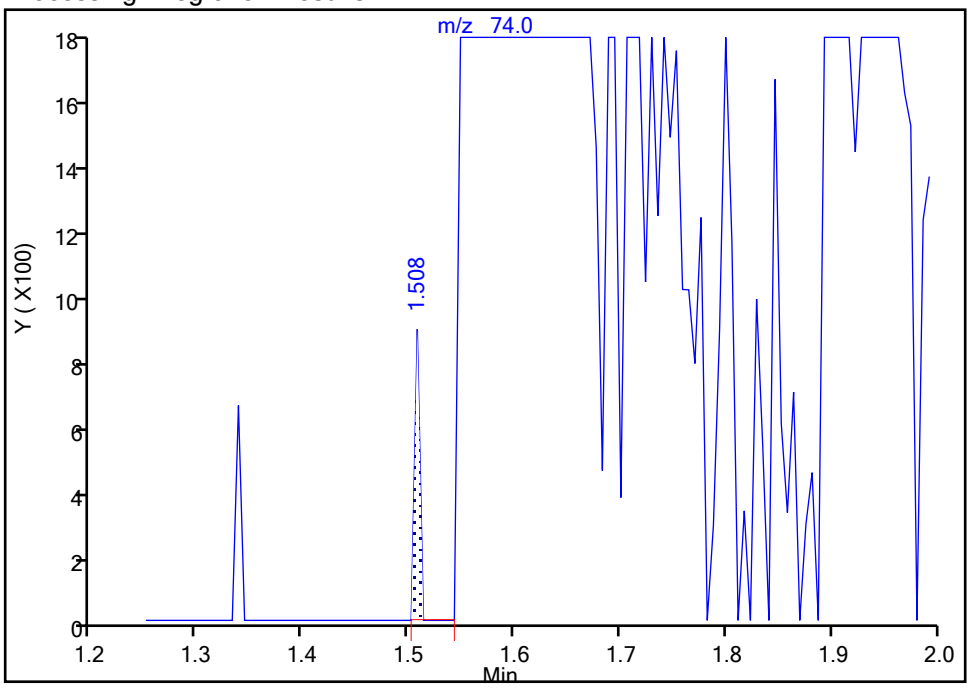
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0701.D				
Injection Date:	07-Aug-2025 08:11:30	Instrument ID:	HP23264		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

2 N-Nitrosodimethylamine, CAS: 62-75-9

Signal: 1

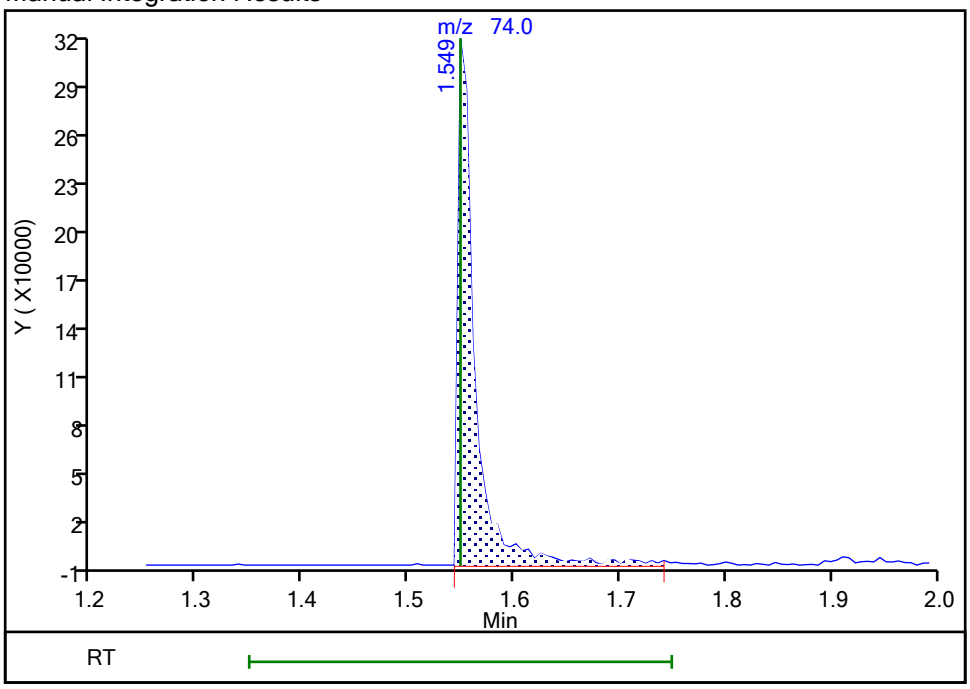
Processing Integration Results

RT: 1.51
Area: 299
Amount: 0.010046
Amount Units: ug/ml



Manual Integration Results

RT: 1.55
Area: 357040
Amount: 11.995994
Amount Units: ug/ml



Reviewer: W6ZA, 07-Aug-2025 08:32:50 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

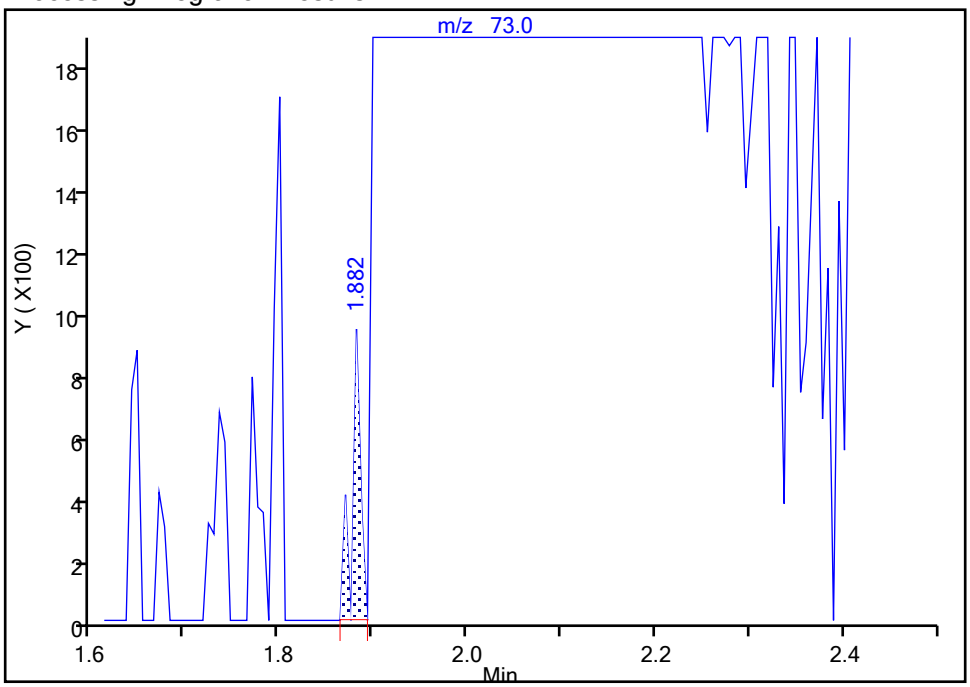
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0701.D				
Injection Date:	07-Aug-2025 08:11:30	Instrument ID:	HP23264		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

4 Dimethylformamide, CAS: 68-12-2

Signal: 1

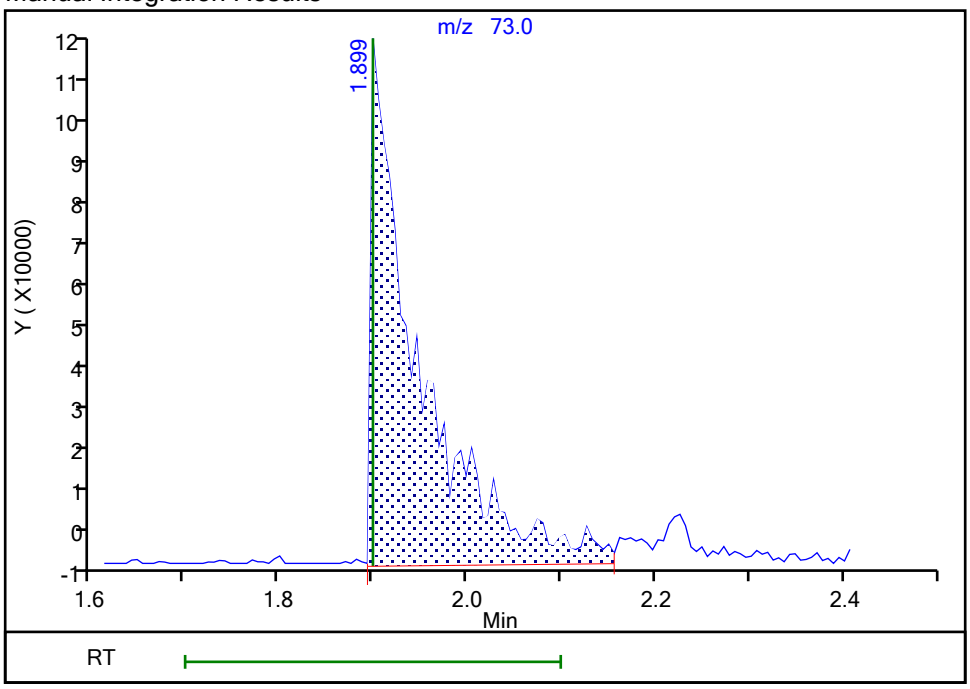
Processing Integration Results

RT: 1.88
Area: 571
Amount: 0
Amount Units: ug/ml



Manual Integration Results

RT: 1.90
Area: 397060
Amount: 11.504492
Amount Units: ug/ml



Reviewer: W6ZA, 07-Aug-2025 08:32:59 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

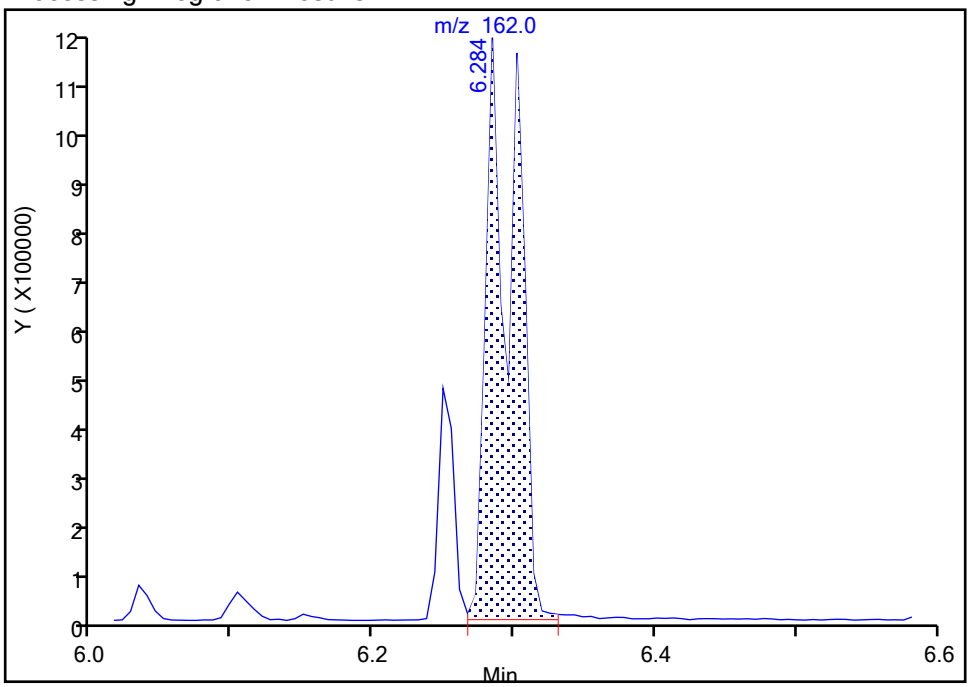
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0701.D				
Injection Date:	07-Aug-2025 08:11:30	Instrument ID:	HP23264		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

84 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

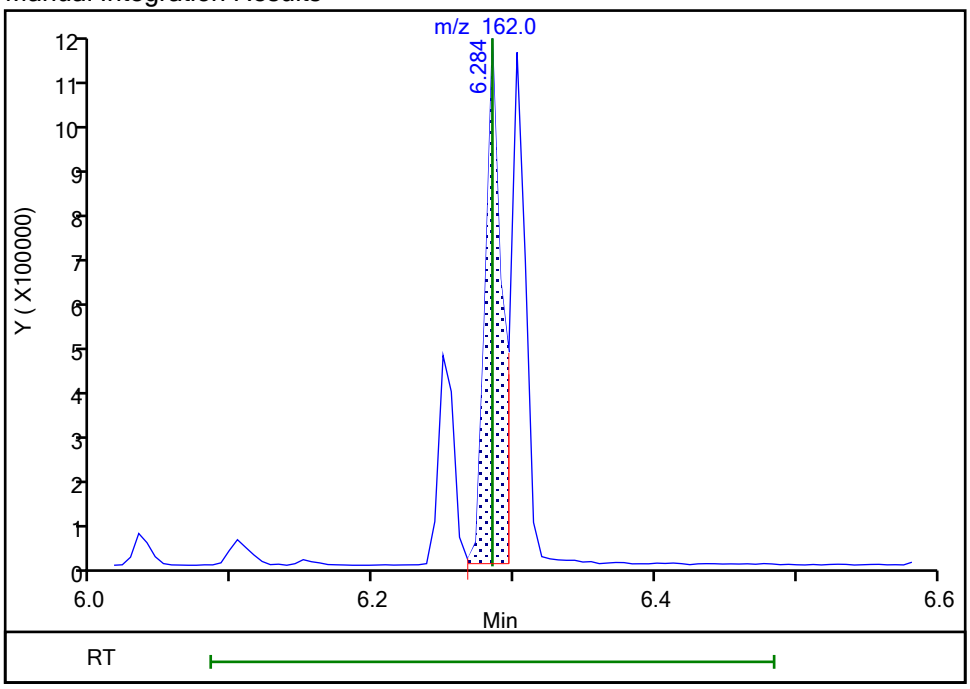
Processing Integration Results

RT: 6.28
Area: 1691402
Amount: 25.589907
Amount Units: ug/ml



Manual Integration Results

RT: 6.28
Area: 923856
Amount: 13.977392
Amount Units: ug/ml



Reviewer: W6ZA, 07-Aug-2025 08:33:22 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

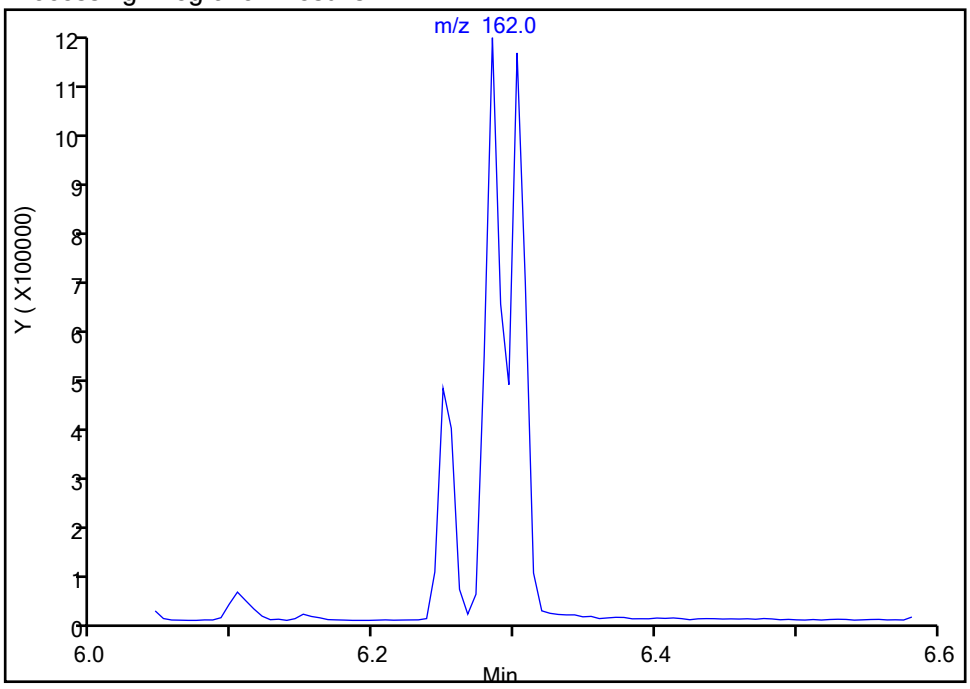
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0701.D				
Injection Date:	07-Aug-2025 08:11:30	Instrument ID:	HP23264		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

85 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

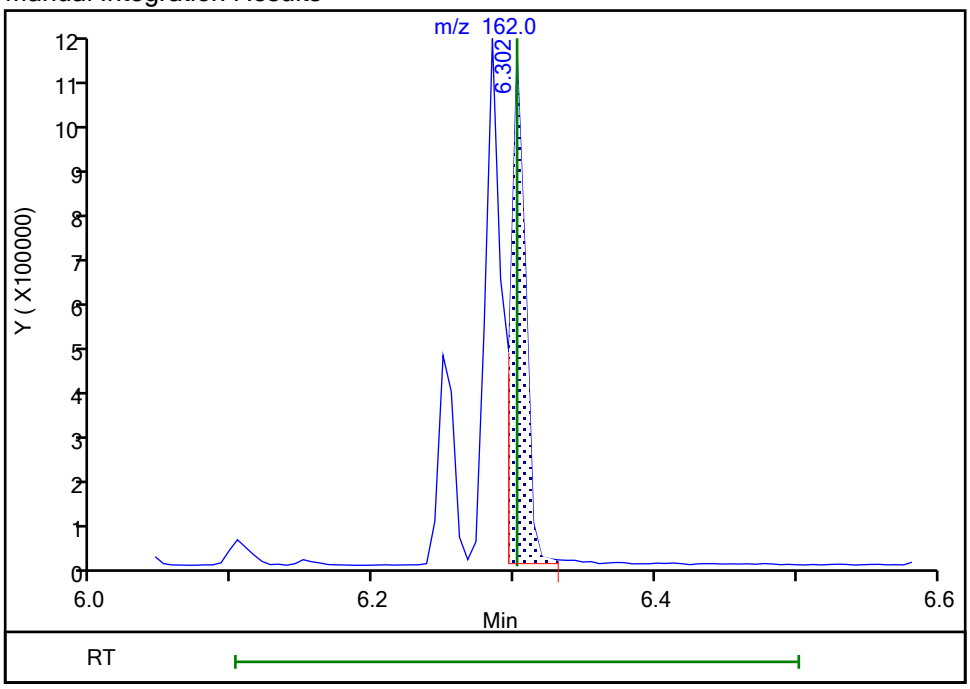
Not Detected
Expected RT: 6.30

Processing Integration Results



Manual Integration Results

RT: 6.30
Area: 767545
Amount: 11.356764
Amount Units: ug/ml



Reviewer: W6ZA, 07-Aug-2025 08:33:27 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

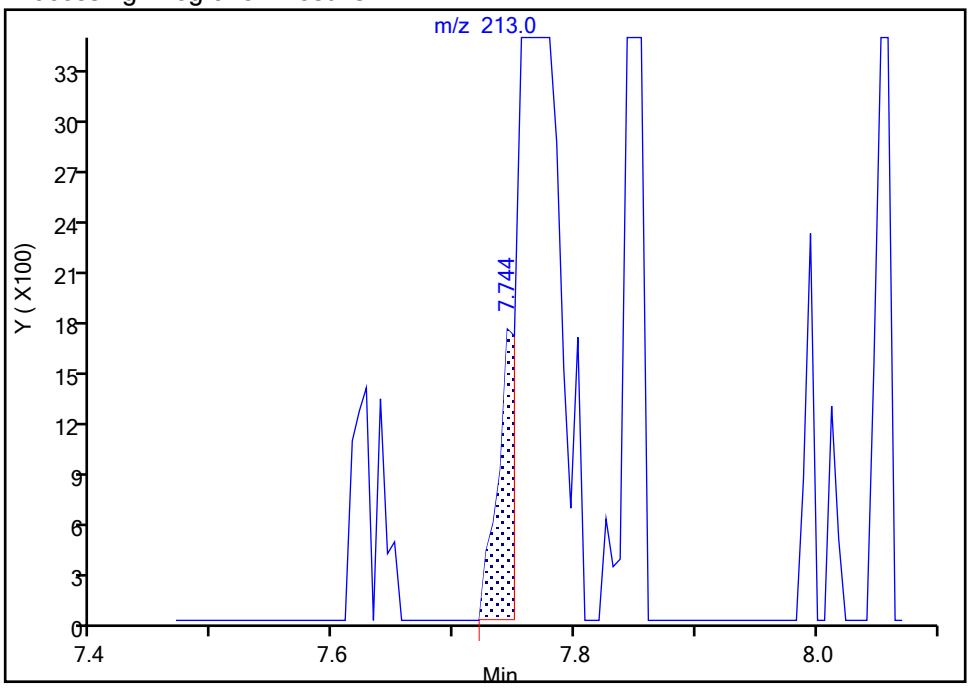
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0701.D				
Injection Date:	07-Aug-2025 08:11:30	Instrument ID:	HP23264		
Lims ID:	CCVIS L6				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

118 1,3,5-Trinitrobenzene, CAS: 99-35-4

Signal: 1

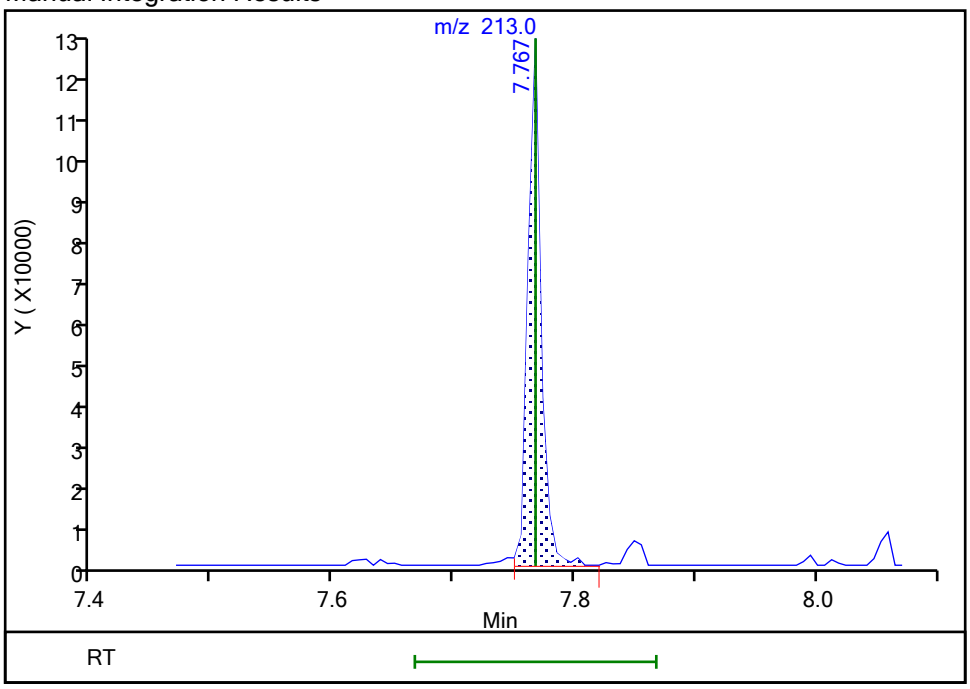
Processing Integration Results

RT: 7.74
Area: 1570
Amount: 0.217063
Amount Units: ug/ml



Manual Integration Results

RT: 7.77
Area: 90785
Amount: 12.551610
Amount Units: ug/ml



Reviewer: W6ZA, 07-Aug-2025 08:33:43 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: CCV 410-682061/6 Calibration Date: 08/07/2025 09:29

Instrument ID: HP23264 Calib Start Date: 06/03/2025 22:26

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/04/2025 00:13

Lab File ID: HG0704.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methapyrilene	Ave	0.4774	0.3616		9.47	12.5	-24.3*	20.0
Famphur	Ave	0.4281	0.3207		9.37	12.5	-25.1*	20.0
Kepone	Ave	0.1215	0.1128		55.7	60.0	-7.1	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0704.D
Lims ID: CCV ABC
Client ID:
Sample Type: CCV
Inject. Date: 07-Aug-2025 09:29:30 ALS Bottle#: 5 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCV ABC
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub21

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 10:51:33 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: W6ZA Date: 07-Aug-2025 10:21:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 22 1,4-Dichlorobenzene-d4	152	3.890	3.890	0.000	98	160549	5.00	5.00	
* 52 Naphthalene-d8	136	5.128	5.128	0.000	100	581053	5.00	5.00	
* 96 Acenaphthene-d10	164	6.804	6.804	0.000	93	354537	5.00	5.00	
* 131 Phenanthrene-d10	188	8.211	8.211	0.000	97	683387	5.00	5.00	
141 Methapyrilene	97	9.075	9.075	0.000	97	617791	12.5	9.47	
* 146 Pyrene-d10 (IS)	212	9.554	9.554	0.000	98	725997	5.00	5.00	
151 Famphur	218	10.179	10.179	0.000	83	582103	12.5	9.37	
154 Kepone	272	10.208	10.208	0.000	95	983042	60.0	55.7	
* 167 Perylene-d12	264	12.497	12.497	0.000	98	536074	5.00	5.00	

QC Flag Legend
Processing Flags

Reagents:
MSS_RVABC_6_00022 Amount Added: 1.00 Units: mL

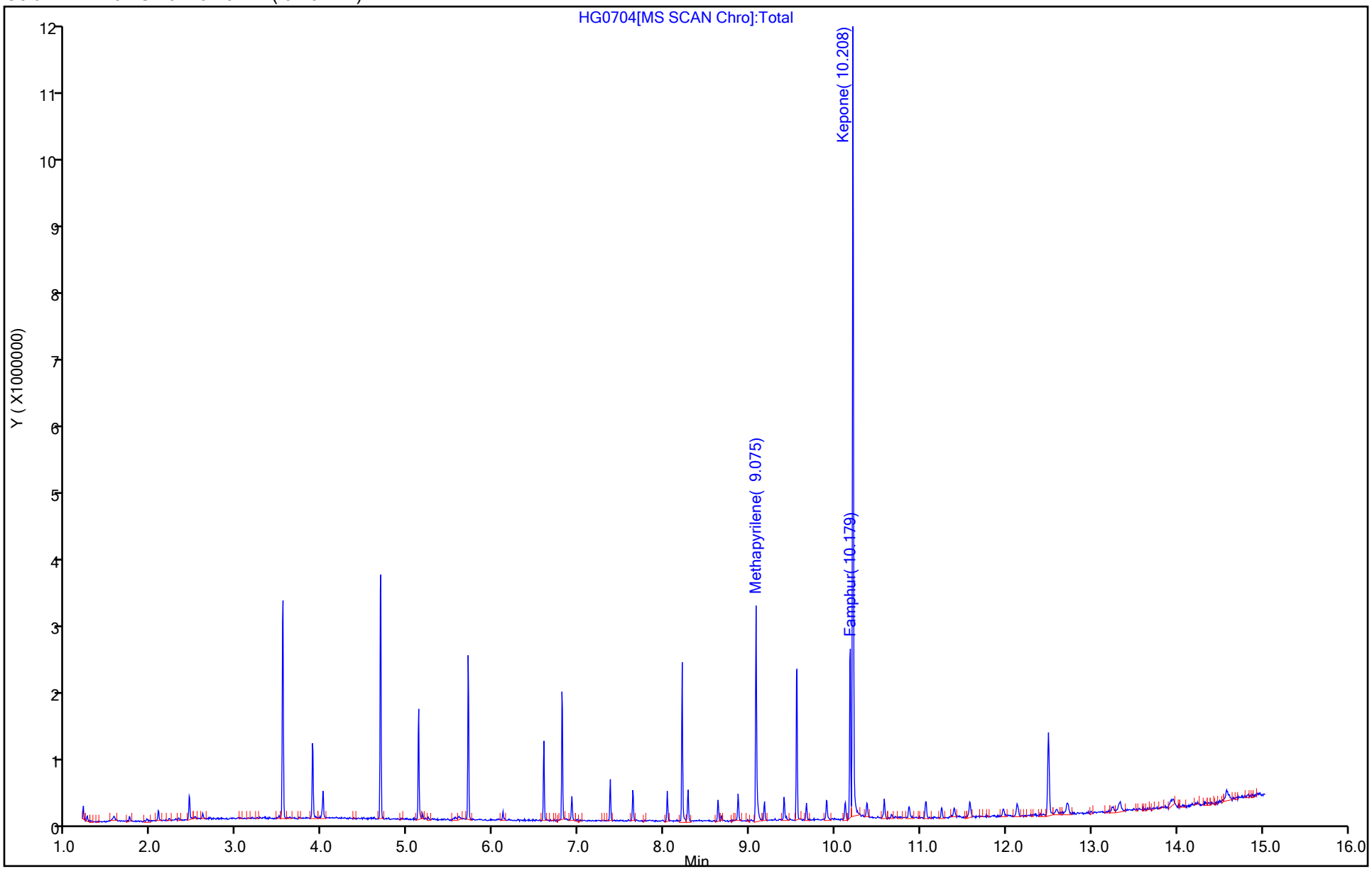
Report Date: 07-Aug-2025 10:51:33 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0704.D

Injection Date:	07-Aug-2025 09:29:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	CCV ABC			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250617-150633.b\DF1700a.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 17-Jun-2025 08:48:46 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: CJS101602 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250617-150633.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 17-Jun-2025 11:07:41 Calib Date: 12-Jun-2025 03:15:19
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250611-150101.b\DF1167.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: W6ZA Date: 17-Jun-2025 09:02:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
27 Pentachlorophenol_T	266	4.496	4.496	0.000	91	300664	NR	NR	
57 Benzidine_T	184	5.703	5.703	0.000	99	571516	NR	NR	
243 DFTPP									
244 4,4'-DDE	246		5.854					ND	U
245 4,4'-DDD	235		6.117					ND	U
246 4,4'-DDT	235	6.356	6.356	0.000	98	793799	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

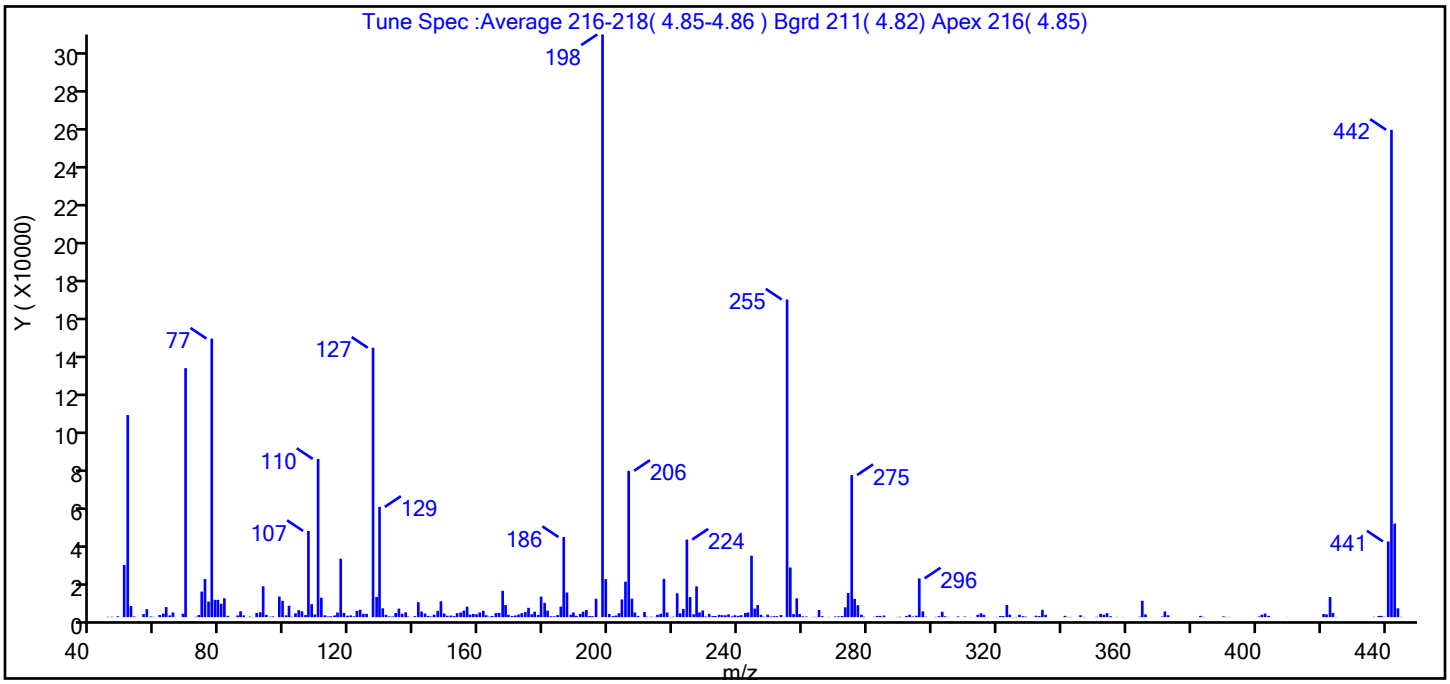
MSS_RVDFTPP_00017 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250617-150633.b\DF1700a.D
Injection Date: 17-Jun-2025 08:48:46 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

243 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (119.6)
51	10-80% of the base peak	34.7
68	<2% of mass 69	0.6 (1.4)
69	Present	42.7
70	<2% of mass 69	0.0 (0.0)
127	10-80% of the base peak	46.2
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.5
275	10-60% of the base peak	24.4
365	>1% of mass 198	2.8
441	present but <24% of mass 442	13.0 (15.5)
442	base peak, or >50% of 198	83.6
443	15-24% of mass 442	16.1 (19.2)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250617-150633.b\DF1700a.D\MSSemi_HP19760.rslt\spectra
Injection Date: 17-Jun-2025 08:48:46
Spectrum: Tune Spec :Average 216-218(4.85-4.86) Bgrd 211(4.82) Apex 216(4.85)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 299

m/z	Y	m/z	Y	m/z	Y	m/z	Y
45.00	194	133.00	320	209.00	568	294.00	339
46.00	203	134.00	2154	210.00	8	295.00	714
48.00	467	135.00	4472	211.00	2707	296.00	20368
50.00	27464	136.00	1809	212.00	259	297.00	3028
51.00	106200	137.00	2558	213.00	220	298.00	236
52.00	5829	138.00	345	214.00	140	301.00	139
53.00	364	139.00	32	215.00	1241	302.00	533
56.00	1581	140.00	514	216.00	1793	303.00	2851
57.00	4198	141.00	7890	217.00	20112	304.00	439
58.00	338	142.00	2967	218.00	2433	305.00	122
59.00	177	143.00	1887	219.00	114	308.00	378
61.00	1130	144.00	630	220.00	213	310.00	302
62.00	1864	145.00	312	221.00	12550	312.00	96
63.00	5292	146.00	1313	222.00	2052	314.00	1260
64.00	916	147.00	3313	223.00	4268	315.00	2022
65.00	2473	148.00	8341	224.00	40776	316.00	1209
68.00	1786	149.00	1909	225.00	10541	317.00	87
69.00	130824	150.00	746	226.00	1481	320.00	92
72.00	198	151.00	854	227.00	16207	321.00	641
73.00	1122	152.00	551	228.00	2456	322.00	521
74.00	13438	153.00	2129	229.00	3494	323.00	6405
75.00	20056	154.00	2461	230.00	312	324.00	1322
76.00	8166	155.00	3445	231.00	1701	325.00	91
77.00	146368	156.00	5498	232.00	537	326.00	119
78.00	9086	157.00	1310	233.00	607	327.00	1302
79.00	9112	158.00	1691	234.00	1200	328.00	528
80.00	7063	159.00	1523	235.00	1045	329.00	275
81.00	9906	160.00	2481	236.00	961	332.00	753
82.00	701	161.00	3355	237.00	1470	333.00	560
85.00	892	162.00	1009	238.00	413	334.00	3841
86.00	3121	163.00	281	239.00	997	335.00	1205
87.00	918	164.00	577	240.00	693	340.00	91
88.00	36	165.00	2138	241.00	1034	341.00	684

Report Date: 17-Jun-2025 11:07:41 Chrom Revision: 2.3 14-Jun-2025 12:06:34
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250617-150633.b\DF1700a.D\MSSemi_HP19760.rslt\spectra
Injection Date: 17-Jun-2025 08:48:46
Spectrum: Tune Spec :Average 216-218(4.85-4.86) Bgrd 211(4.82) Apex 216(4.85)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 299

m/z	Y	m/z	Y	m/z	Y	m/z	Y
89.00	285	166.00	2239	242.00	2147	342.00	118
90.00	114	167.00	13820	243.00	2447	343.00	102
91.00	2246	168.00	6314	244.00	32288	346.00	1001
92.00	2528	169.00	1246	245.00	4508	347.00	135
93.00	16222	170.00	580	246.00	6351	351.00	199
94.00	1166	171.00	872	247.00	1230	352.00	1755
95.00	214	172.00	1381	248.00	207	353.00	1315
96.00	366	173.00	2078	249.00	1303	354.00	2079
98.00	10809	174.00	2630	250.00	340	355.00	493
99.00	8559	175.00	4897	251.00	490	357.00	138
100.00	938	176.00	1502	252.00	534	359.00	95
101.00	5998	177.00	2814	253.00	1101	364.00	255
102.00	203	178.00	1206	255.00	166912	365.00	8589
103.00	1990	179.00	10784	256.00	26096	366.00	1455
104.00	3667	180.00	7509	257.00	1591	371.00	293
105.00	3103	181.00	3422	258.00	9884	372.00	3031
106.00	1097	182.00	445	259.00	1640	373.00	989
107.00	45280	183.00	464	260.00	448	383.00	662
108.00	6842	184.00	1075	261.00	318	384.00	197
109.00	1412	185.00	5535	263.00	114	390.00	364
110.00	83136	186.00	42096	264.00	172	391.00	150
111.00	10202	187.00	12934	265.00	3747	392.00	130
112.00	971	188.00	1241	266.00	502	401.00	361
113.00	368	189.00	2484	268.00	147	402.00	1293
114.00	485	190.00	695	270.00	352	403.00	1880
115.00	900	191.00	1719	271.00	409	404.00	662
116.00	2438	192.00	2886	272.00	590	410.00	94
117.00	30704	193.00	3811	273.00	5196	421.00	1620
118.00	2217	194.00	595	274.00	12705	422.00	1458
119.00	720	195.00	497	275.00	74664	423.00	10583
120.00	942	196.00	9683	276.00	9591	424.00	2173
121.00	406	198.00	306176	277.00	6294	425.00	103
122.00	3267	199.00	19976	278.00	1278	437.00	181
123.00	3940	200.00	1667	279.00	235	438.00	619

Report Date: 17-Jun-2025 11:07:41 Chrom Revision: 2.3 14-Jun-2025 12:06:34
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250617-150633.b\DF1700a.D\MSSemi_HP19760.rslt\spectra
Injection Date: 17-Jun-2025 08:48:46
Spectrum: Tune Spec :Average 216-218(4.85-4.86) Bgrd 211(4.82) Apex 216(4.85)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 299

m/z	Y	m/z	Y	m/z	Y	m/z	Y
124.00	1729	201.00	618	282.00	173	439.00	677
125.00	1737	202.00	837	283.00	621	440.00	186
127.00	141568	203.00	2108	284.00	653	441.00	39768
128.00	10625	204.00	9305	285.00	854	442.00	256064
129.00	57952	205.00	18648	289.00	96	443.00	49160
130.00	4654	206.00	76888	290.00	223	444.00	4658
131.00	1248	207.00	9720	292.00	621	445.00	161
132.00	406	208.00	2465	293.00	1242		

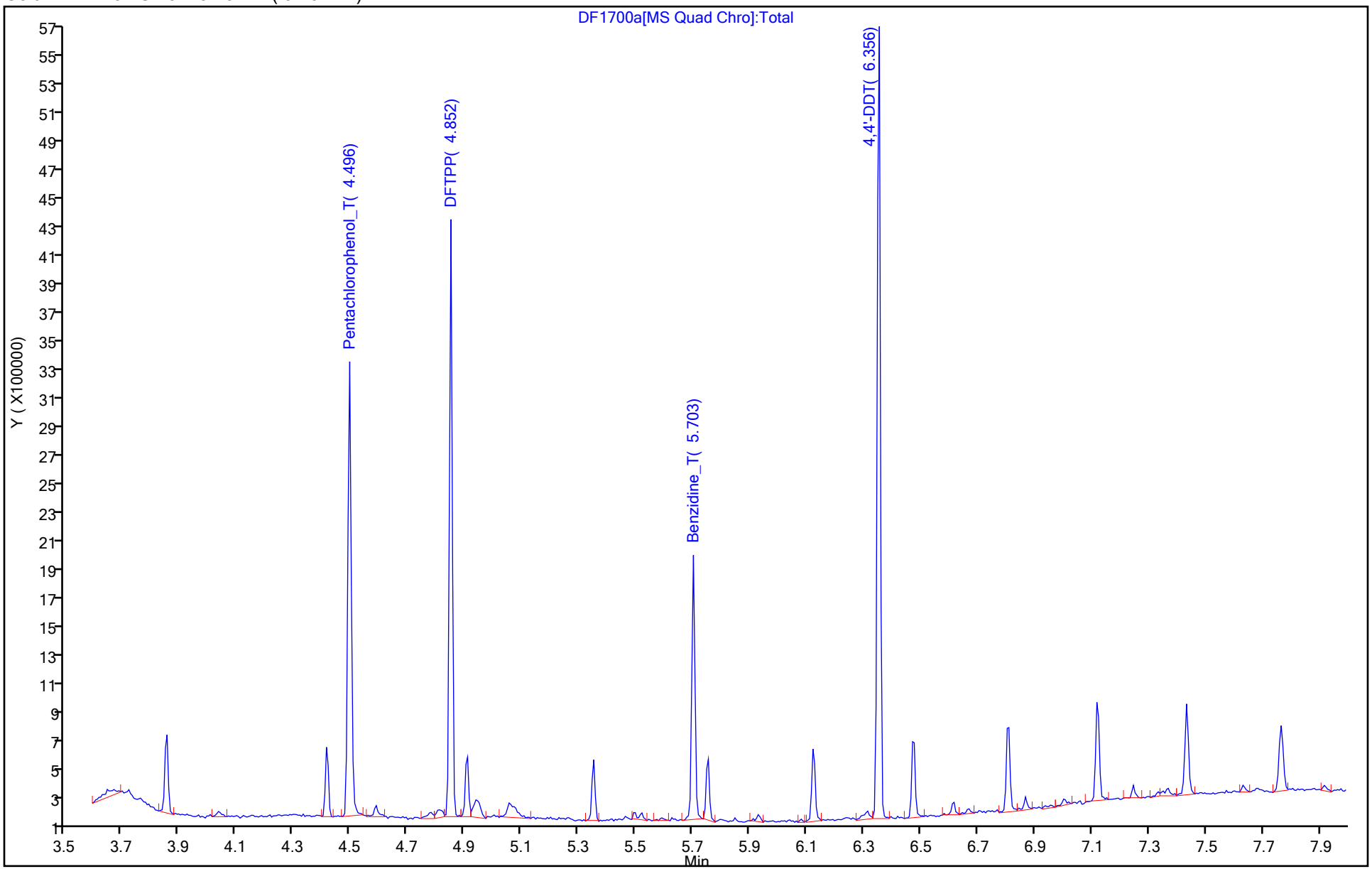
Report Date: 17-Jun-2025 11:07:41 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250617-150633.b\DF1700a.D

Injection Date:	17-Jun-2025 08:48:46	Instrument ID:	HP19760	Operator ID:	CJS101602
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250617-150633.b\DF1700a.D				
Injection Date:	17-Jun-2025 08:48:46	Instrument ID:	HP19760		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

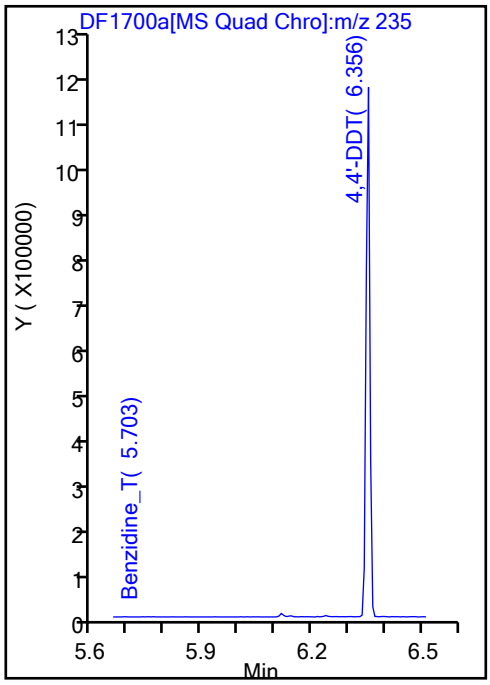
246 4,4'-DDT, Detector: MS Quad

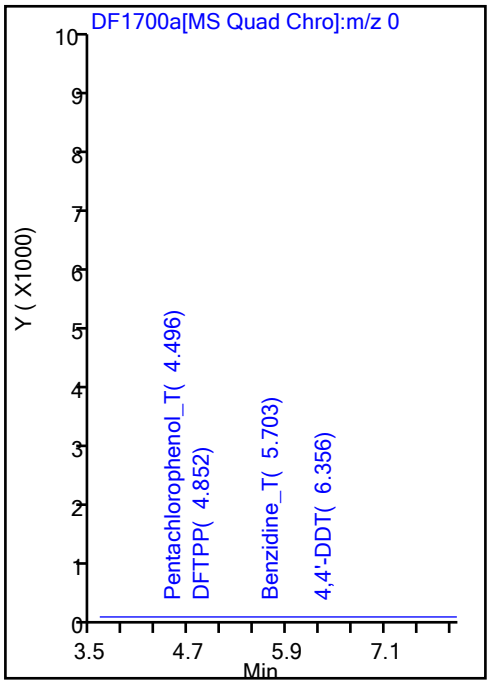
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

246 4,4'-DDT, Area = 793799
245 4,4'-DDD, Area = 0
244 4,4'-DDE, Area = 0

%Breakdown: 0.00%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

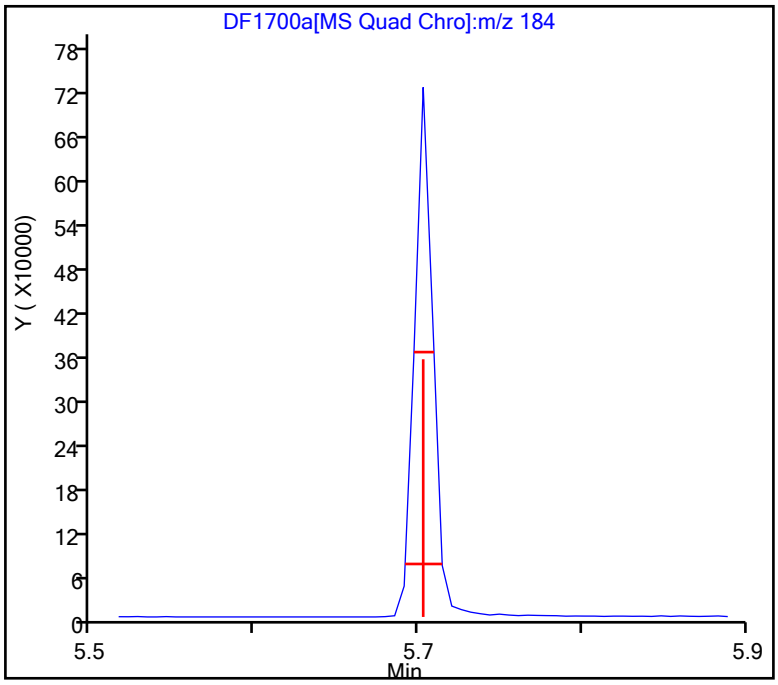
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250617-150633.b\DF1700a.D
Injection Date: 17-Jun-2025 08:48:46 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

57 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.09, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

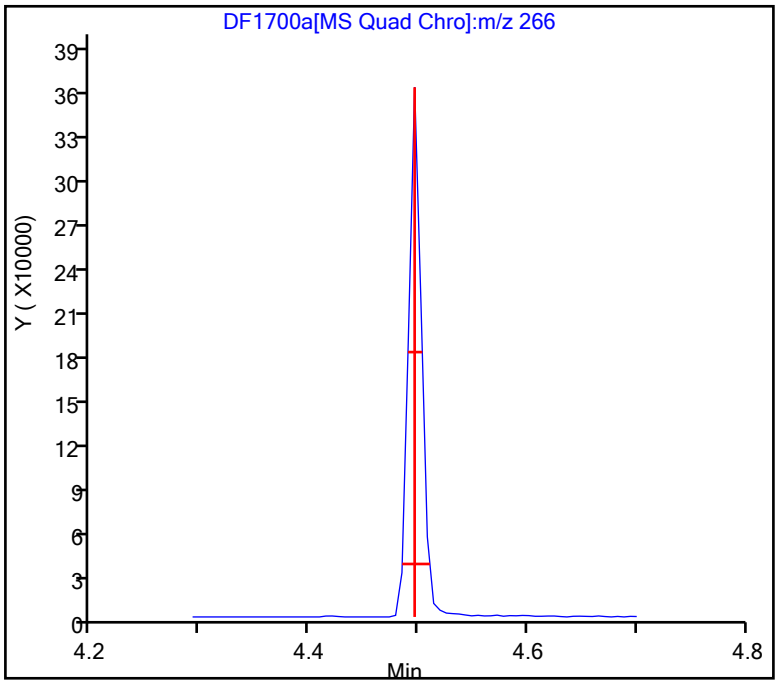
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250617-150633.b\DF1700a.D
Injection Date: 17-Jun-2025 08:48:46 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

27 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.27, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2550.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 25-Jun-2025 23:15:51 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: IR93211 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:34:03 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: N5QU Date: 25-Jun-2025 23:26:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
27 Pentachlorophenol_T	266	4.432	4.432	0.000	92	319366	NR	NR	
57 Benzidine_T	184	5.644	5.644	0.000	99	1540959	NR	NR	
243 DFTPP									
244 4,4'-DDE	246	5.796	5.796	0.000	50	906		NR	
245 4,4'-DDD	235	6.064	6.064	0.000	21	3114		NR	
246 4,4'-DDT	235	6.309	6.309	0.000	98	793505	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

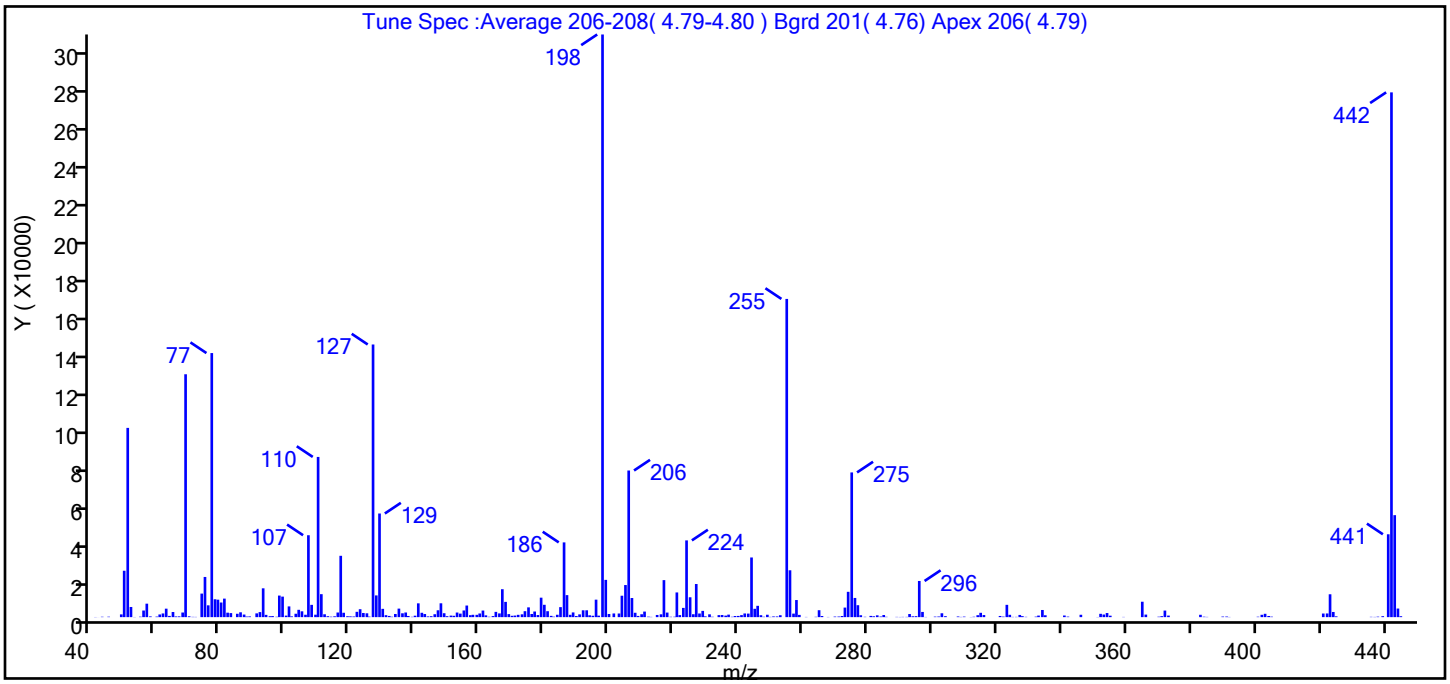
MSS_RVDFTPP_00018 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2550.D
Injection Date: 25-Jun-2025 23:15:51 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

243 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (111.0)
51	10-80% of the base peak	32.5
68	<2% of mass 69	0.8 (1.9)
69	Present	41.7
70	<2% of mass 69	0.1 (0.3)
127	10-80% of the base peak	46.8
197	<2% of mass 198	0.3
199	5-9% of mass 198	6.4
275	10-60% of the base peak	24.8
365	>1% of mass 198	2.6
441	present but <24% of mass 442	14.2 (15.8)
442	base peak, or >50% of 198	90.1
443	15-24% of mass 442	17.5 (19.4)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2550.D\MSSemi_HP19760.rslt\spectra.
Injection Date: 25-Jun-2025 23:15:51
Spectrum: Tune Spec :Average 206-208(4.79-4.80) Bgrd 201(4.76) Apex 206(4.79)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 303

m/z	Y	m/z	Y	m/z	Y	m/z	Y
41.00	81	125.00	2032	202.00	1947	289.00	132
42.00	19	126.00	291	203.00	1928	290.00	101
43.00	206	127.00	144384	204.00	11342	291.00	133
45.00	235	128.00	11506	205.00	17000	292.00	134
49.00	1458	129.00	54880	206.00	77648	293.00	1651
50.00	24576	130.00	4395	207.00	10129	294.00	450
51.00	100216	131.00	1031	208.00	2315	295.00	500
52.00	5379	132.00	637	209.00	642	296.00	19152
53.00	83	133.00	211	210.00	1530	297.00	2757
55.00	243	134.00	1669	211.00	2947	298.00	102
56.00	3503	135.00	4517	212.00	257	301.00	277
57.00	7135	136.00	2041	213.00	133	302.00	333
58.00	391	137.00	2463	215.00	1154	303.00	2055
60.00	290	138.00	619	216.00	1497	304.00	515
61.00	1418	139.00	176	217.00	19600	308.00	352
62.00	1958	140.00	763	218.00	2417	309.00	121
63.00	4487	141.00	7312	219.00	194	310.00	283
64.00	657	142.00	2309	220.00	225	312.00	83
65.00	2718	143.00	1652	221.00	13080	313.00	210
66.00	360	144.00	390	222.00	1078	314.00	1031
67.00	400	145.00	501	223.00	4897	315.00	2292
68.00	2449	146.00	1544	224.00	40640	316.00	1112
69.00	128616	147.00	3637	225.00	10525	321.00	619
70.00	440	148.00	7334	226.00	1542	322.00	282
71.00	148	149.00	2073	227.00	17544	323.00	6515
72.00	126	150.00	507	228.00	1930	324.00	1239
73.00	3	151.00	821	229.00	3313	325.00	123
74.00	12471	152.00	717	230.00	403	326.00	139
75.00	21280	153.00	2441	231.00	1493	327.00	1165
76.00	6258	154.00	1868	232.00	204	328.00	526
77.00	139840	155.00	3535	234.00	1064	329.00	161
78.00	9470	156.00	6148	235.00	1126	332.00	272
79.00	9248	157.00	1037	236.00	806	333.00	826

Report Date: 26-Jun-2025 08:34:04 Chrom Revision: 2.3 14-Jun-2025 12:06:34
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2550.D\MSSemi_HP19760.rslt\spectra.
Injection Date: 25-Jun-2025 23:15:51
Spectrum: Tune Spec :Average 206-208(4.79-4.80) Bgrd 201(4.76) Apex 206(4.79)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 303

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	7746	158.00	1241	237.00	1327	334.00	3789
81.00	9811	159.00	1228	238.00	197	335.00	987
82.00	2359	160.00	1933	239.00	594	341.00	866
83.00	2144	161.00	3495	240.00	646	342.00	284
85.00	1788	162.00	947	241.00	1071	346.00	1260
86.00	2563	163.00	197	242.00	1943	351.00	85
87.00	1373	164.00	567	243.00	1880	352.00	1758
88.00	307	165.00	2791	244.00	31600	353.00	1383
89.00	387	166.00	1976	245.00	4414	354.00	2174
91.00	1996	167.00	14791	246.00	5993	355.00	767
92.00	2666	168.00	8084	247.00	1027	359.00	115
93.00	15262	169.00	1607	248.00	206	365.00	8162
94.00	1200	170.00	714	249.00	1268	366.00	1354
95.00	492	171.00	833	250.00	139	370.00	233
96.00	562	172.00	1227	251.00	376	371.00	509
97.00	199	173.00	1492	252.00	363	372.00	3482
98.00	11424	174.00	3152	253.00	1009	373.00	824
99.00	10866	175.00	5179	255.00	168512	383.00	1249
100.00	804	176.00	1670	256.00	24816	384.00	231
101.00	5690	177.00	2982	257.00	1870	385.00	124
102.00	415	178.00	1119	258.00	9056	390.00	309
103.00	1795	179.00	10313	259.00	1196	391.00	324
104.00	3885	180.00	6540	261.00	107	392.00	102
105.00	3090	181.00	3145	264.00	179	401.00	230
106.00	1266	182.00	685	265.00	3667	402.00	1244
107.00	43376	183.00	242	266.00	596	403.00	1771
108.00	6504	184.00	1260	268.00	98	404.00	606
109.00	1297	185.00	5301	270.00	299	405.00	266
110.00	84840	186.00	39584	271.00	322	421.00	1916
111.00	12165	187.00	11659	272.00	599	422.00	1952
112.00	1524	188.00	1234	273.00	5058	423.00	12112
113.00	500	189.00	2499	274.00	13409	424.00	2737
114.00	244	190.00	585	275.00	76632	425.00	419
115.00	439	191.00	1462	276.00	10163	436.00	164

Report Date: 26-Jun-2025 08:34:04 Chrom Revision: 2.3 14-Jun-2025 12:06:34
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2550.D\MSSemi_HP19760.rslt\spectra.
Injection Date: 25-Jun-2025 23:15:51
Spectrum: Tune Spec :Average 206-208(4.79-4.80) Bgrd 201(4.76) Apex 206(4.79)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 303

m/z	Y	m/z	Y	m/z	Y	m/z	Y
116.00	2452	192.00	3626	277.00	6323	437.00	119
117.00	32480	193.00	3628	278.00	1007	438.00	261
118.00	2319	194.00	984	279.00	181	439.00	509
119.00	472	195.00	731	281.00	662	441.00	43880
120.00	405	196.00	9259	282.00	453	442.00	277888
121.00	335	197.00	789	283.00	958	443.00	54000
122.00	2819	198.00	308544	284.00	320	444.00	4557
123.00	4199	199.00	19736	285.00	1124	445.00	486
124.00	2197	200.00	1672	286.00	177		

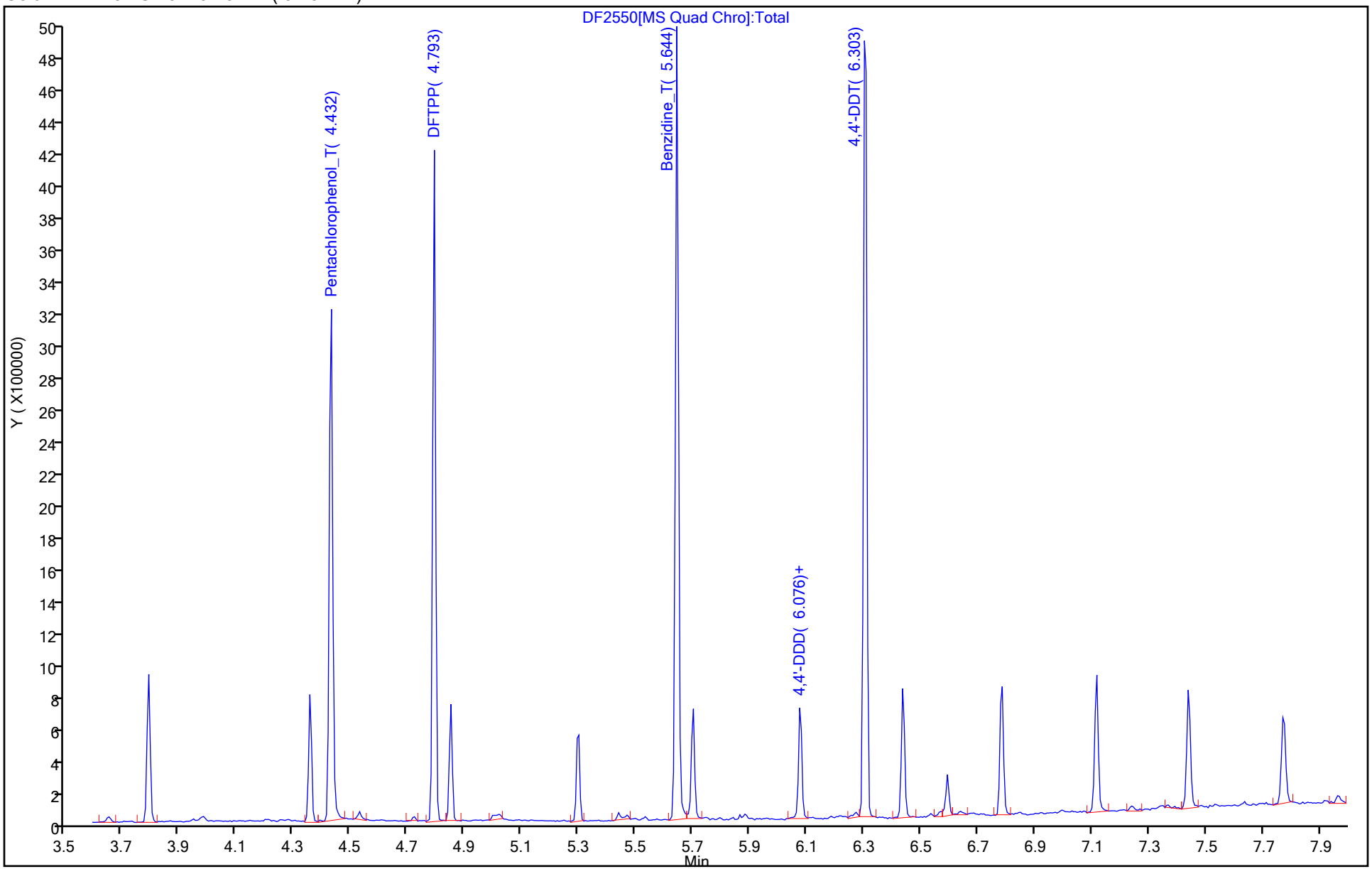
Report Date: 26-Jun-2025 08:34:04 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2550.D

Injection Date:	25-Jun-2025 23:15:51	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



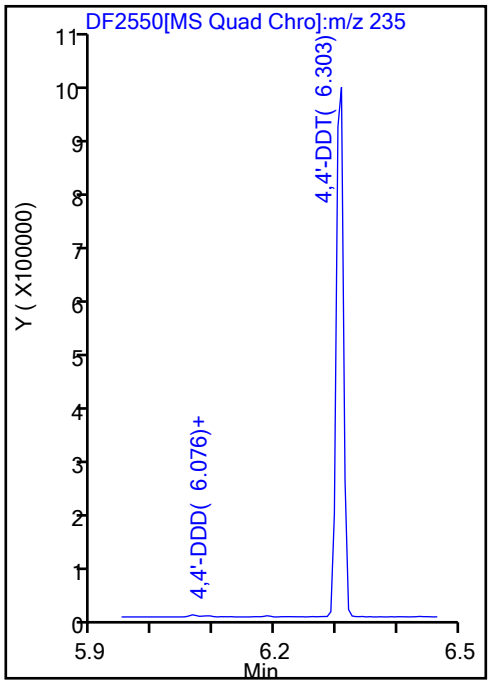
09/19/2025

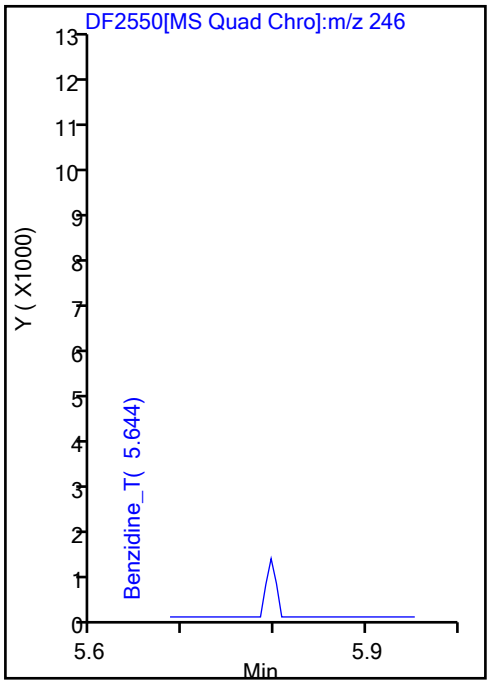
Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2550.D
Injection Date: 25-Jun-2025 23:15:51 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

246 4,4'-DDT, Detector: MS Quad





SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

246 4,4'-DDT, Area = 793505
245 4,4'-DDD, Area = 3114
244 4,4'-DDE, Area = 906

%Breakdown: 0.50%, <= 20.00%
Passed

Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

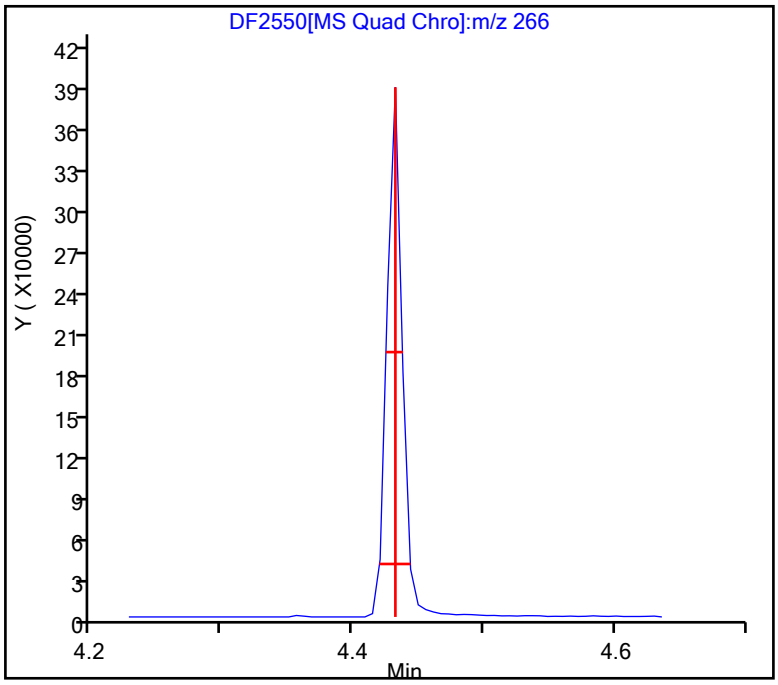
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2550.D
Injection Date: 25-Jun-2025 23:15:51 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

27 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 0.92, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

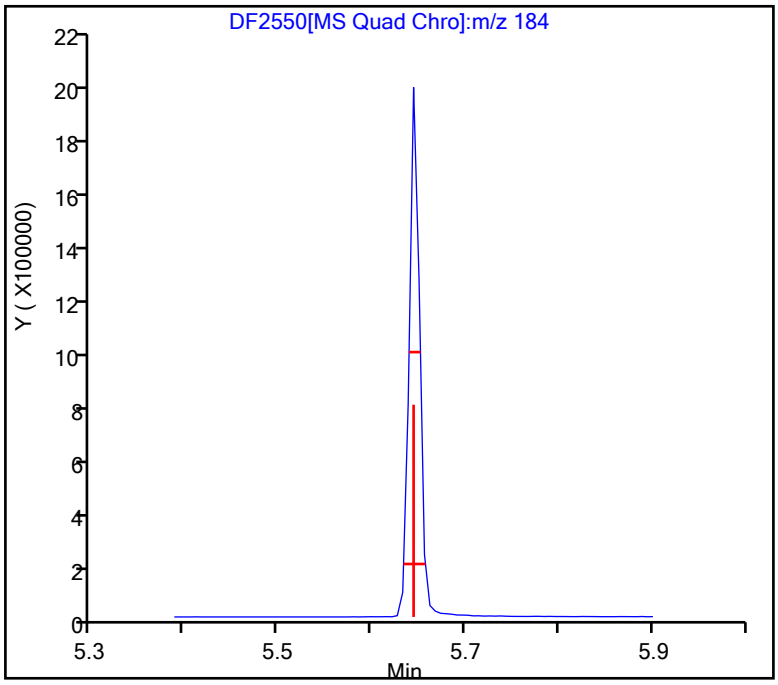
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2550.D
Injection Date: 25-Jun-2025 23:15:51 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

57 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.18, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0750.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 07-Aug-2025 19:33:34 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: EEA115318 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 23:11:02 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 21:00:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
27 Pentachlorophenol_T	266	4.321	4.321	0.000	93	378111	NR	NR	
57 Benzidine_T	184	5.540	5.540	0.000	99	1706851	NR	NR	
243 DFTPP									
244 4,4'-DDE	246	5.691	5.691	0.000	1	1274		NR	
245 4,4'-DDD	235		6.187				ND		U
246 4,4'-DDT	235	6.187	6.187	0.000	98	940816	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

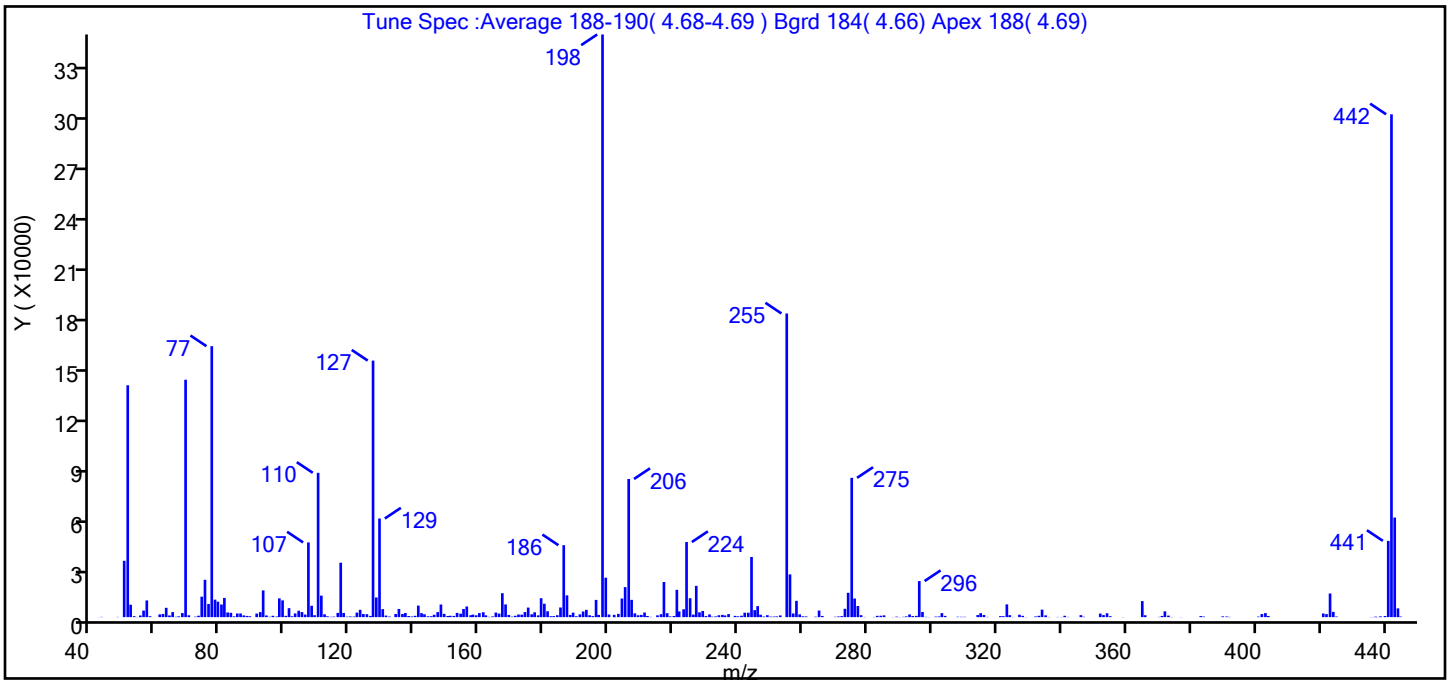
MSS_RVDFTPP_00018 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0750.D
Injection Date: 07-Aug-2025 19:33:34 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: EEA115318 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

243 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (115.9)
51	10-80% of the base peak	39.8
68	<2% of mass 69	0.7 (1.7)
69	Present	40.7
70	<2% of mass 69	0.3 (0.8)
127	10-80% of the base peak	44.0
197	<2% of mass 198	0.4
199	5-9% of mass 198	6.8
275	10-60% of the base peak	23.9
365	>1% of mass 198	2.8
441	present but <24% of mass 442	13.1 (15.2)
442	base peak, or >50% of 198	86.3
443	15-24% of mass 442	17.1 (19.8)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0750.D\MSSemi_HP19760.rslt\spectra
Injection Date: 07-Aug-2025 19:33:34
Spectrum: Tune Spec :Average 188-190(4.68-4.69) Bgrd 184(4.66) Apex 188(4.69)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
42.00	52	127.00	153664	204.00	11162	292.00	444
43.00	159	128.00	11782	205.00	17992	293.00	1632
48.00	140	129.00	59080	206.00	82760	294.00	657
50.00	33744	130.00	4803	207.00	10352	295.00	773
51.00	138880	131.00	945	208.00	2271	296.00	21616
52.00	7431	132.00	369	209.00	1133	297.00	3086
53.00	569	134.00	1885	210.00	1337	298.00	182
54.00	112	135.00	4904	211.00	2763	299.00	95
55.00	979	136.00	1861	212.00	697	301.00	312
56.00	3940	137.00	2478	213.00	166	302.00	408
57.00	10014	138.00	677	215.00	1075	303.00	2410
58.00	554	139.00	403	216.00	1759	304.00	762
61.00	1649	140.00	798	217.00	21032	308.00	237
62.00	1901	141.00	6922	218.00	2363	309.00	210
63.00	5584	142.00	2398	219.00	440	310.00	209
64.00	1007	143.00	1705	220.00	696	314.00	1260
65.00	3026	144.00	514	221.00	16355	315.00	2377
66.00	216	145.00	533	222.00	3425	316.00	1296
67.00	471	146.00	1427	223.00	4715	317.00	151
68.00	2443	147.00	3016	224.00	44992	321.00	609
69.00	142208	148.00	7560	225.00	11336	322.00	572
70.00	1107	149.00	1973	226.00	1526	323.00	7648
72.00	301	150.00	704	227.00	18752	324.00	1180
73.00	858	151.00	834	228.00	2900	325.00	116
74.00	12262	152.00	741	229.00	3671	327.00	1468
75.00	22360	153.00	2540	230.00	666	328.00	785
76.00	7901	154.00	2084	231.00	1619	329.00	93
77.00	162304	155.00	4883	232.00	291	332.00	406
78.00	10480	156.00	6371	233.00	450	333.00	808
79.00	9261	157.00	1145	234.00	1130	334.00	4494
80.00	7571	158.00	1506	235.00	1361	335.00	1068
81.00	11513	159.00	1103	236.00	998	336.00	129
82.00	2810	160.00	2434	237.00	1835	339.00	126

Report Date: 07-Aug-2025 23:11:02 Chrom Revision: 2.3 25-Jul-2025 13:52:40
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0750.D\MSSemi_HP19760.rslt\spectra
Injection Date: 07-Aug-2025 19:33:34
Spectrum: Tune Spec :Average 188-190(4.68-4.69) Bgrd 184(4.66) Apex 188(4.69)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	2617	161.00	2948	239.00	769	340.00	104
84.00	469	162.00	1069	240.00	491	341.00	816
85.00	2193	163.00	181	241.00	852	342.00	149
86.00	2213	164.00	458	242.00	2647	346.00	1197
87.00	1031	165.00	2752	243.00	2651	347.00	261
88.00	722	166.00	2128	244.00	36024	352.00	2149
89.00	549	167.00	14345	245.00	4211	353.00	1231
91.00	2131	168.00	7612	246.00	6606	354.00	2323
92.00	3006	169.00	1313	247.00	1445	355.00	563
93.00	16015	170.00	303	248.00	369	359.00	98
94.00	1015	171.00	832	249.00	1162	365.00	9621
95.00	207	172.00	1582	250.00	315	366.00	1131
96.00	819	173.00	1480	251.00	347	370.00	164
97.00	372	174.00	3046	252.00	438	371.00	723
98.00	11245	175.00	5731	253.00	1025	372.00	3475
99.00	10040	176.00	1711	255.00	181888	373.00	929
100.00	781	177.00	2895	256.00	25608	374.00	103
101.00	5375	178.00	1062	257.00	2207	377.00	85
102.00	516	179.00	11330	258.00	9768	383.00	640
103.00	2231	180.00	8034	259.00	1646	384.00	341
104.00	3844	181.00	3523	260.00	511	390.00	480
105.00	3037	182.00	552	261.00	432	391.00	385
106.00	1545	183.00	624	264.00	274	392.00	165
107.00	44760	184.00	1141	265.00	3950	401.00	337
108.00	6811	185.00	5780	266.00	709	402.00	1850
109.00	1163	186.00	43088	270.00	225	403.00	2423
110.00	86448	187.00	13043	271.00	408	404.00	695
111.00	12884	188.00	1298	272.00	600	421.00	2213
112.00	1691	189.00	2695	273.00	4990	422.00	1814
113.00	501	190.00	525	274.00	14594	423.00	14174
114.00	208	191.00	1665	275.00	83424	424.00	3163
115.00	310	192.00	3385	276.00	11149	425.00	362
116.00	2545	193.00	4375	277.00	6677	436.00	86
117.00	32600	194.00	1146	278.00	1163	436.00	89

Report Date: 07-Aug-2025 23:11:02 Chrom Revision: 2.3 25-Jul-2025 13:52:40
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0750.D\MSSemi_HP19760.rslt\spectra
Injection Date: 07-Aug-2025 19:33:34
Spectrum: Tune Spec :Average 188-190(4.68-4.69) Bgrd 184(4.66) Apex 188(4.69)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	2519	195.00	632	279.00	126	437.00	301
119.00	283	196.00	10327	282.00	112	438.00	108
120.00	412	197.00	1329	283.00	786	439.00	478
121.00	353	198.00	348992	284.00	848	440.00	675
122.00	2706	199.00	23624	285.00	1082	441.00	45680
123.00	4401	200.00	1563	288.00	92	442.00	301184
124.00	1875	202.00	1383	289.00	304	443.00	59640
125.00	1764	202.00	119	290.00	91	444.00	5261
126.00	737	203.00	1950	291.00	198	445.00	357

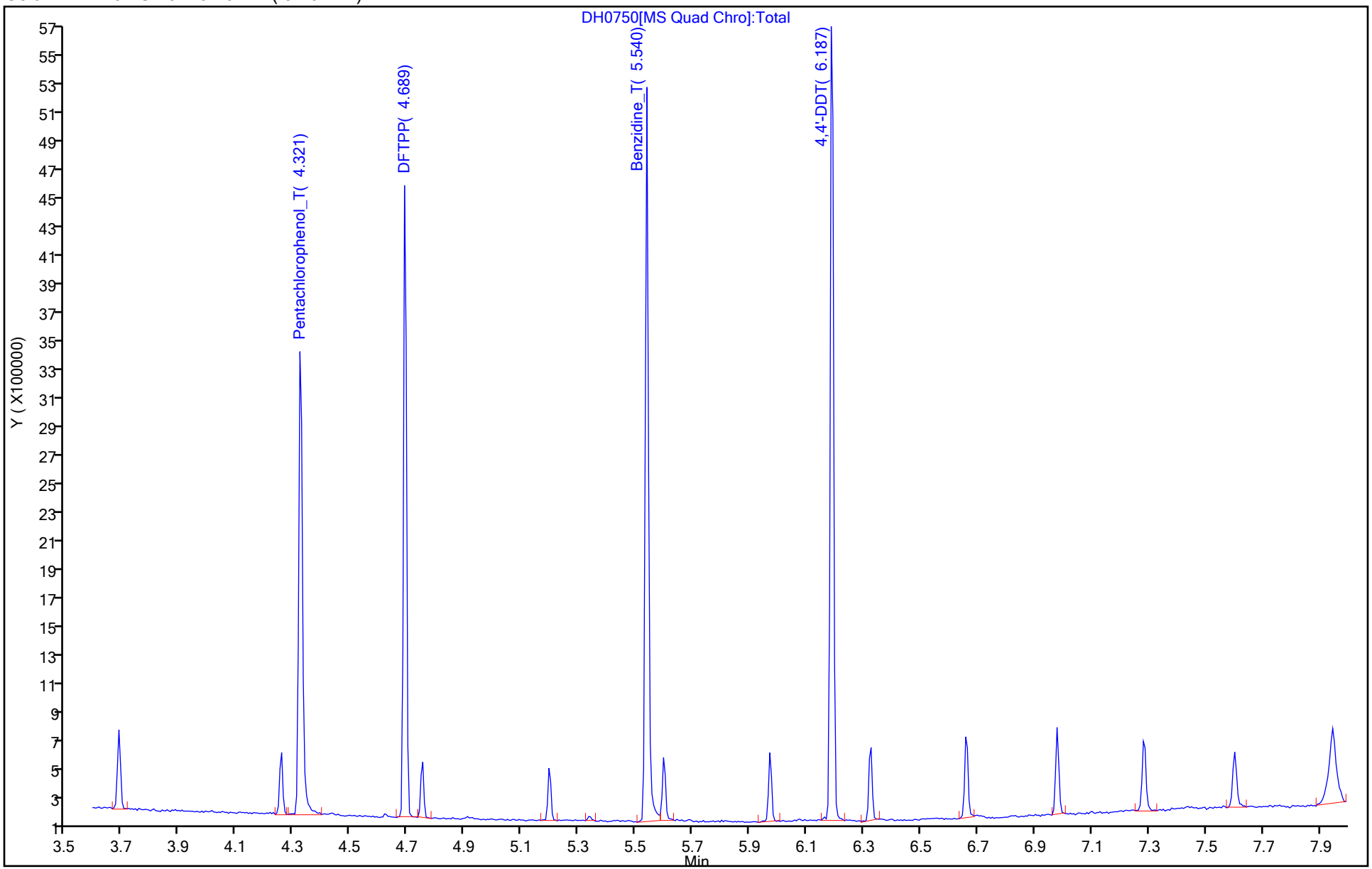
Report Date: 07-Aug-2025 23:11:02 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0750.D

Injection Date:	07-Aug-2025 19:33:34	Instrument ID:	HP19760	Operator ID:	EEA115318
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)

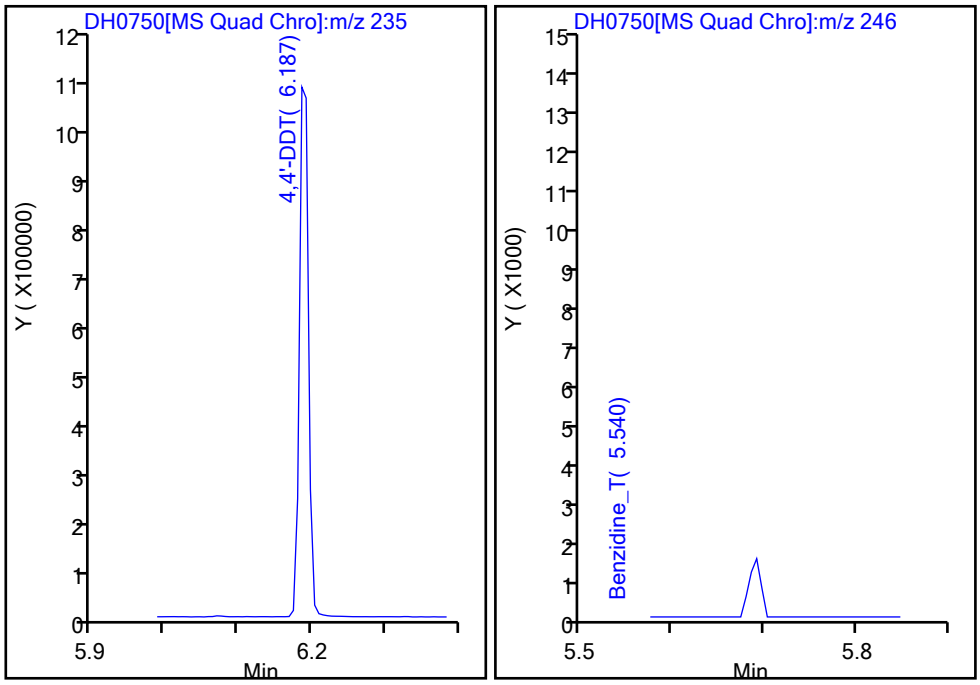


Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0750.D
Injection Date: 07-Aug-2025 19:33:34 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: EEA115318 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

246 4,4'-DDT, Detector: MS Quad



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

246 4,4'-DDT, Area = 940816
245 4,4'-DDD, Area = 0
244 4,4'-DDE, Area = 1274

%Breakdown: 0.14%, <= 20.00%
Passed

Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

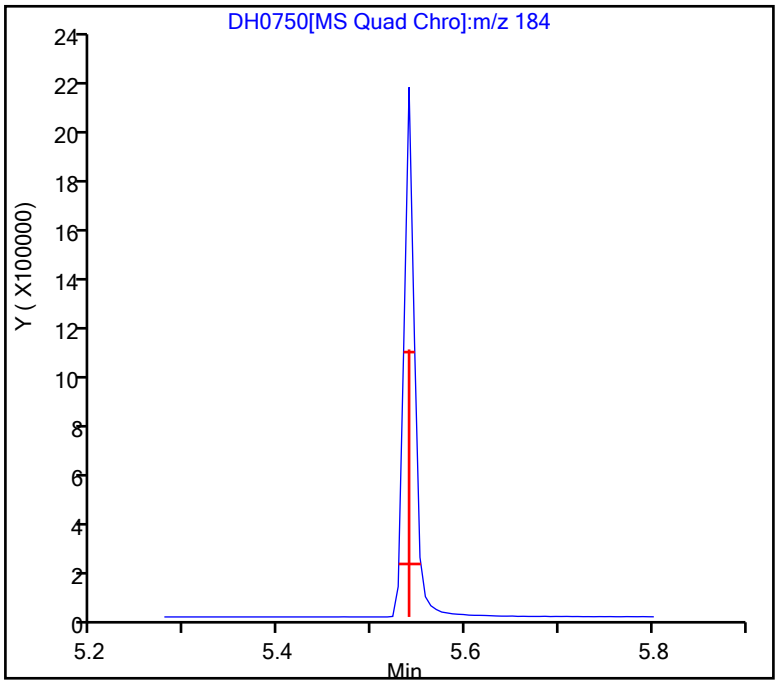
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0750.D
Injection Date: 07-Aug-2025 19:33:34 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: EEA115318 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

57 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.18, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

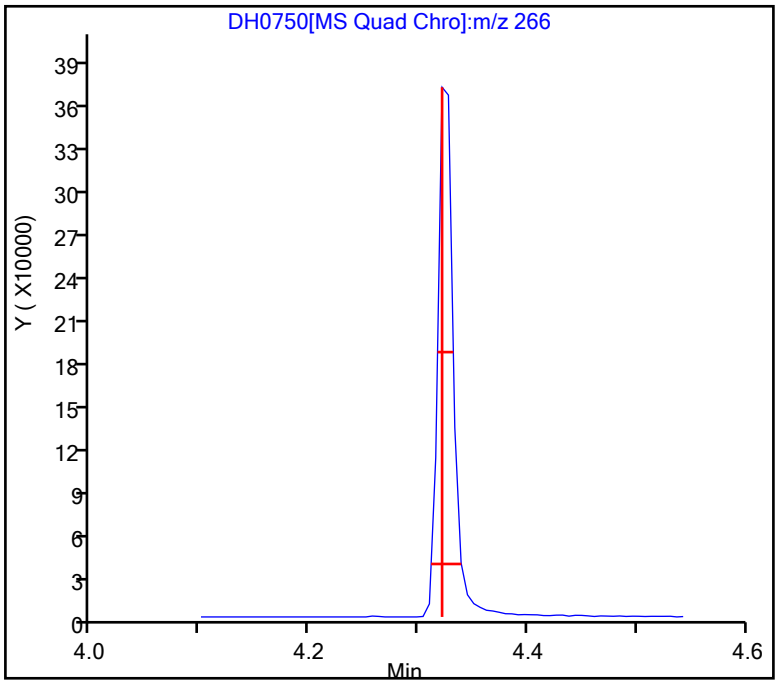
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0750.D
Injection Date: 07-Aug-2025 19:33:34 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: EEA115318 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

27 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.018 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.80, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1150.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 11-Aug-2025 19:26:41 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: EEA115318 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 11-Aug-2025 21:34:33 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1633

First Level Reviewer: RN6U Date: 11-Aug-2025 20:14:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
27 Pentachlorophenol_T	266	4.333	4.333	0.000	93	370506	NR	NR	
57 Benzidine_T	184	5.545	5.545	0.000	99	1555095	NR	NR	
243 DFTPP									
244 4,4'-DDE	246	5.697	5.697	0.000	83	2485		NR	
245 4,4'-DDD	235		6.198				ND		U
246 4,4'-DDT	235	6.198	6.198	0.000	98	935360	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

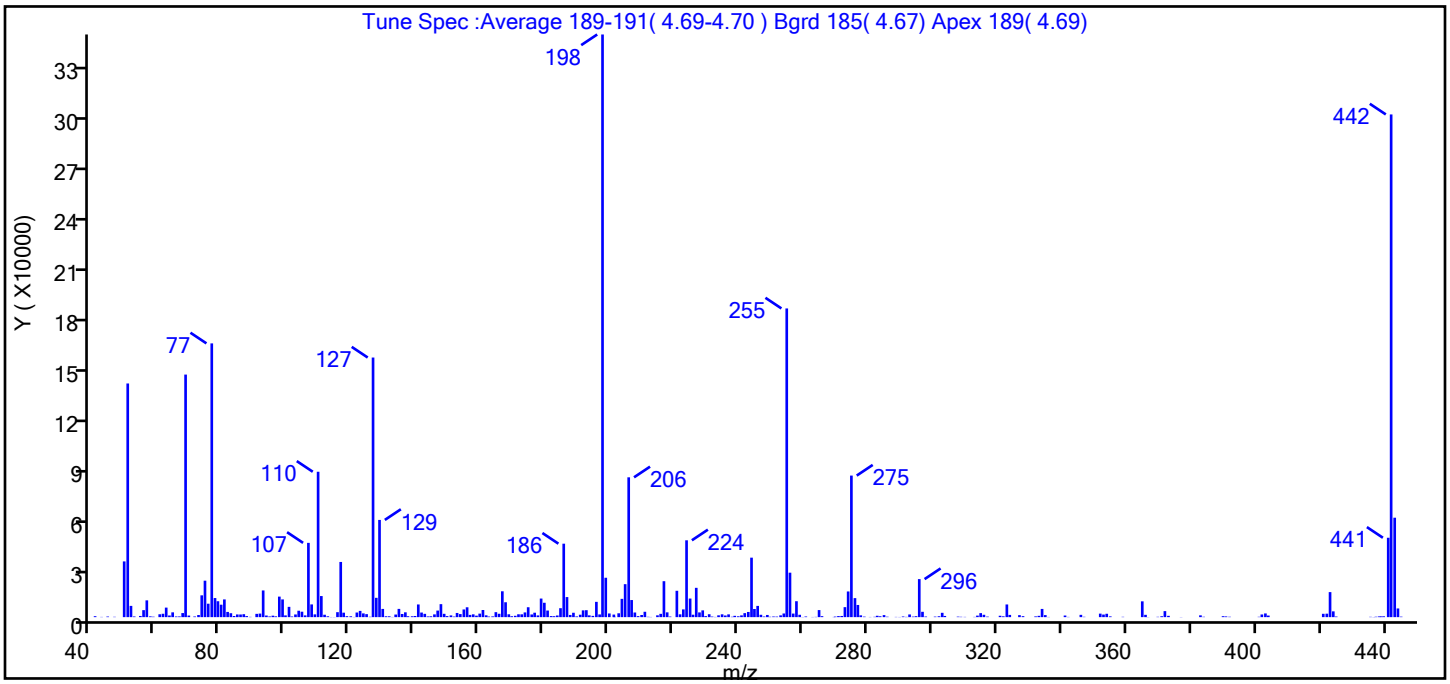
MSS_RVDFTPP_00018 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1150.D
Injection Date: 11-Aug-2025 19:26:41 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: EEA115318 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

243 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (115.9)
51	10-80% of the base peak	40.1
68	<2% of mass 69	0.7 (1.7)
69	Present	41.6
70	<2% of mass 69	0.3 (0.7)
127	10-80% of the base peak	44.6
197	<2% of mass 198	0.5
199	5-9% of mass 198	6.8
275	10-60% of the base peak	24.3
365	>1% of mass 198	2.7
441	present but <24% of mass 442	13.6 (15.8)
442	base peak, or >50% of 198	86.3
443	15-24% of mass 442	17.1 (19.8)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1150.D\MSSemi_HP19760.rslt\spectra
Injection Date: 11-Aug-2025 19:26:41
Spectrum: Tune Spec :Average 189-191(4.69-4.70) Bgrd 185(4.67) Apex 189(4.69)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 306

m/z	Y	m/z	Y	m/z	Y	m/z	Y
41.00	562	127.00	155008	204.00	10918	289.00	139
43.00	134	128.00	11536	205.00	19688	290.00	105
45.00	357	129.00	58048	206.00	83488	291.00	391
47.00	197	130.00	4906	207.00	10210	292.00	155
50.00	33280	131.00	516	208.00	2770	293.00	1607
51.00	139520	132.00	515	209.00	615	294.00	324
52.00	6722	133.00	106	210.00	1280	295.00	556
53.00	400	134.00	1555	211.00	3208	296.00	22712
55.00	701	135.00	4925	212.00	205	297.00	3193
56.00	4177	136.00	1884	213.00	114	298.00	361
57.00	10025	137.00	2880	215.00	1083	301.00	318
58.00	461	138.00	542	216.00	1971	302.00	535
59.00	264	139.00	516	217.00	21464	303.00	2588
61.00	1719	140.00	683	218.00	2862	304.00	707
62.00	2019	141.00	7573	219.00	349	308.00	306
63.00	5693	142.00	2747	221.00	15733	309.00	204
64.00	983	143.00	1968	222.00	1682	310.00	149
65.00	2867	144.00	422	223.00	4626	313.00	135
66.00	390	145.00	503	224.00	45880	314.00	913
67.00	425	146.00	1645	225.00	11108	315.00	2400
68.00	2430	147.00	3926	226.00	1450	316.00	1404
69.00	144832	148.00	7760	227.00	17504	317.00	322
70.00	951	149.00	1986	228.00	2824	321.00	822
72.00	399	150.00	630	229.00	4046	322.00	484
73.00	1266	151.00	1037	230.00	625	323.00	7571
74.00	13017	152.00	343	231.00	1737	324.00	1336
75.00	21768	153.00	2495	232.00	347	327.00	1192
76.00	8020	154.00	1829	233.00	127	328.00	585
77.00	163456	155.00	4587	234.00	1082	332.00	443
78.00	11407	156.00	5888	235.00	1688	333.00	780
79.00	9499	157.00	1340	236.00	984	334.00	4903
80.00	7430	158.00	1676	237.00	1652	335.00	1210
81.00	10586	159.00	887	238.00	230	336.00	118

Report Date: 11-Aug-2025 21:34:34 Chrom Revision: 2.3 25-Jul-2025 13:52:40
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1150.D\MSSemi_HP19760.rslt\spectra
Injection Date: 11-Aug-2025 19:26:41
Spectrum: Tune Spec :Average 189-191(4.69-4.70) Bgrd 185(4.67) Apex 189(4.69)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 306

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	3116	160.00	2094	239.00	787	341.00	963
83.00	2347	161.00	4265	240.00	505	342.00	131
84.00	677	162.00	1087	241.00	1049	346.00	1375
85.00	1601	163.00	361	242.00	2395	347.00	206
86.00	1584	164.00	446	243.00	3090	352.00	2091
87.00	1762	165.00	2977	244.00	35520	353.00	1546
88.00	621	166.00	2010	245.00	4865	354.00	2015
89.00	162	167.00	15438	246.00	6709	355.00	454
91.00	1966	168.00	8890	247.00	1408	359.00	191
92.00	2126	169.00	1707	248.00	371	365.00	9438
93.00	15940	170.00	552	249.00	1303	366.00	1379
94.00	966	171.00	808	250.00	218	367.00	83
95.00	414	172.00	1708	251.00	380	370.00	197
96.00	874	173.00	1684	252.00	328	371.00	531
97.00	477	174.00	2821	253.00	1062	372.00	3593
98.00	12257	175.00	5911	254.00	2184	373.00	785
99.00	10588	176.00	1591	255.00	184320	377.00	86
100.00	1042	177.00	2648	256.00	26544	383.00	1075
101.00	6143	178.00	1036	257.00	2135	384.00	219
102.00	386	179.00	11101	258.00	9512	390.00	561
103.00	1598	180.00	8581	259.00	1413	391.00	432
104.00	3827	181.00	3939	260.00	92	392.00	232
105.00	3248	182.00	642	261.00	388	401.00	211
106.00	1048	183.00	559	263.00	104	402.00	1598
107.00	44352	184.00	984	264.00	155	403.00	2207
108.00	7602	185.00	5345	265.00	4215	404.00	948
109.00	1659	186.00	43864	266.00	580	421.00	1998
110.00	86808	187.00	11978	270.00	122	422.00	2066
111.00	12590	188.00	1304	270.00	317	423.00	14946
112.00	1436	189.00	2622	271.00	627	424.00	3455
113.00	513	190.00	429	272.00	702	425.00	358
114.00	94	191.00	1448	273.00	5963	436.00	186
115.00	84	192.00	4053	274.00	15336	437.00	86
116.00	2961	193.00	4148	275.00	84528	437.00	248

Report Date: 11-Aug-2025 21:34:34 Chrom Revision: 2.3 25-Jul-2025 13:52:40
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1150.D\MSSemi_HP19760.rslt\spectra
Injection Date: 11-Aug-2025 19:26:41
Spectrum: Tune Spec :Average 189-191(4.69-4.70) Bgrd 185(4.67) Apex 189(4.69)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 306

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	32952	194.00	1075	276.00	11359	438.00	424
118.00	2668	195.00	754	277.00	7269	439.00	450
119.00	575	196.00	9134	278.00	1073	440.00	495
120.00	513	197.00	1618	279.00	308	441.00	47400
121.00	103	198.00	347904	281.00	113	442.00	300160
122.00	2759	199.00	23520	282.00	201	443.00	59368
123.00	3733	200.00	2192	283.00	818	444.00	5188
124.00	2236	202.00	1537	284.00	512	445.00	292
125.00	1795	202.00	236	285.00	1216		
126.00	223	203.00	2306	286.00	262		

Report Date: 11-Aug-2025 21:34:34 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1150.D

Injection Date: 11-Aug-2025 19:26:41 Instrument ID: HP19760 Operator ID: EEA115318

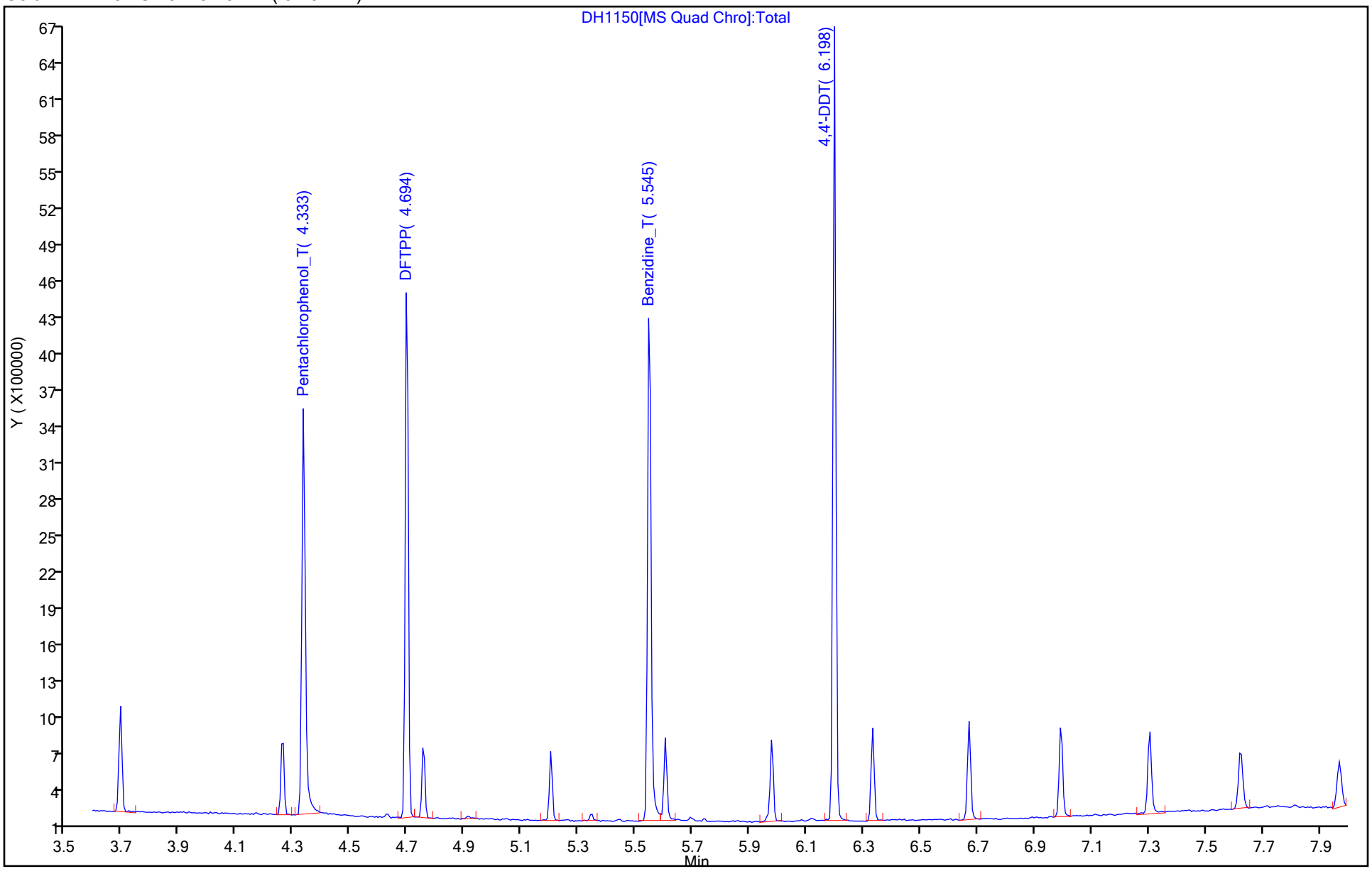
Lims ID: DFTPP Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 1

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)

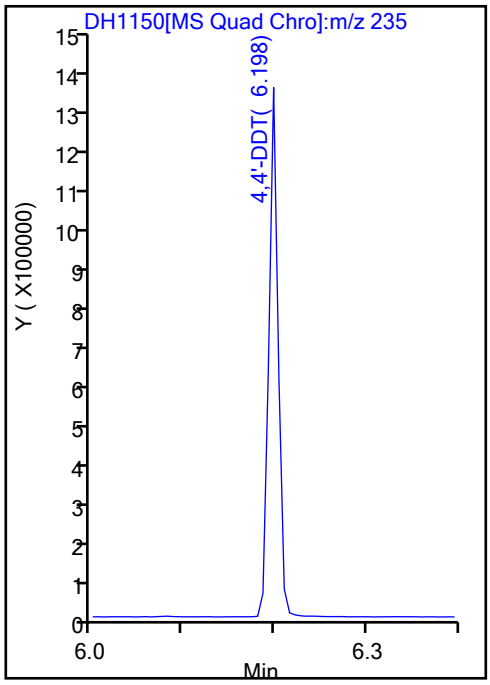


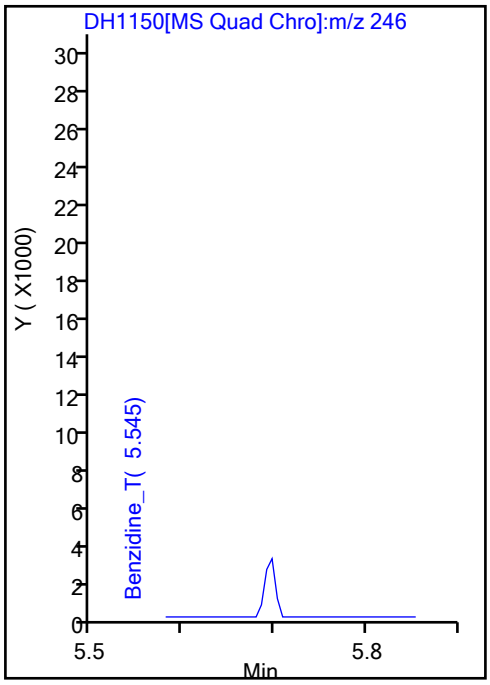
Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1150.D
Injection Date: 11-Aug-2025 19:26:41 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: EEA115318 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

246 4,4'-DDT, Detector: MS Quad





SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

246 4,4'-DDT, Area = 935360
245 4,4'-DDD, Area = 0
244 4,4'-DDE, Area = 2485

%Breakdown: 0.26%, <= 20.00%
Passed

Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

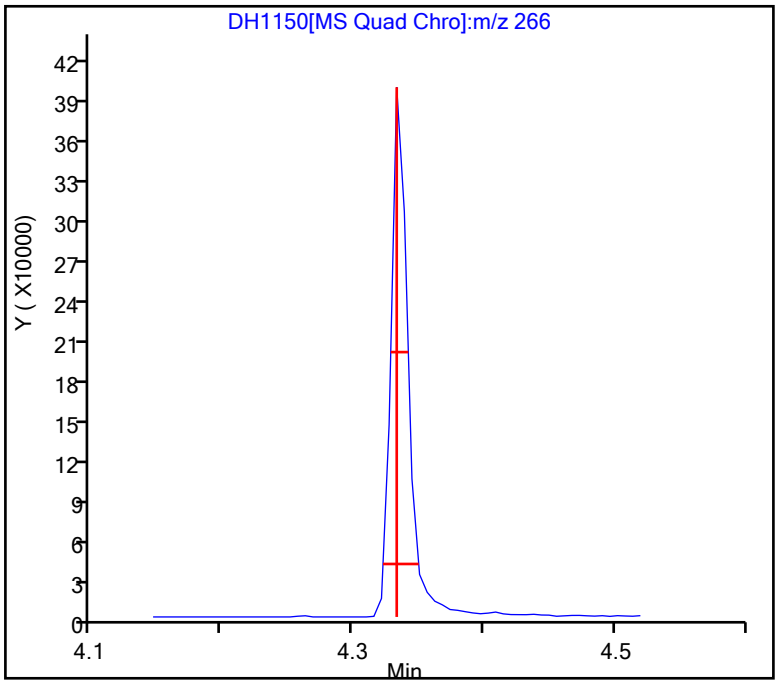
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1150.D
Injection Date: 11-Aug-2025 19:26:41 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: EEA115318 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

27 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.55, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

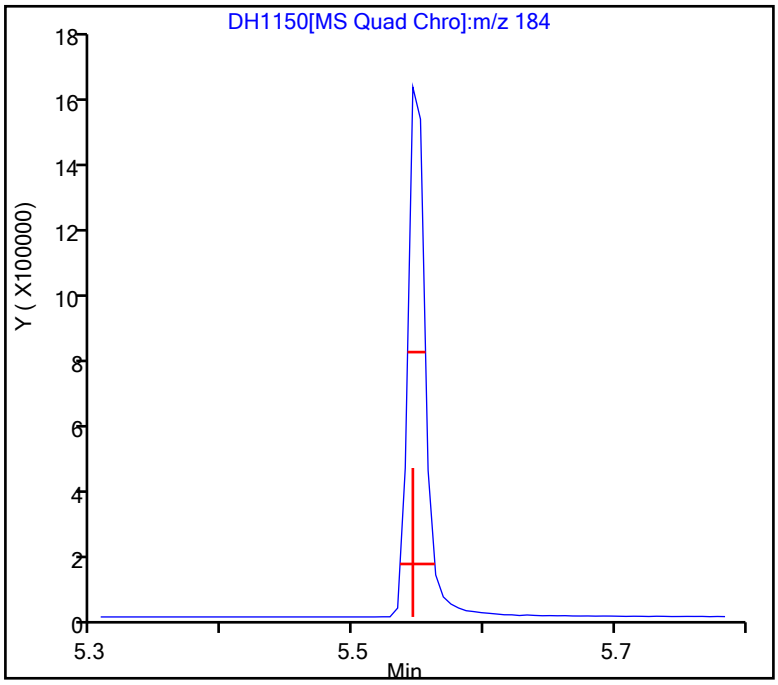
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1150.D
Injection Date: 11-Aug-2025 19:26:41 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: EEA115318 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

57 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.70, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250311-140533.b\JC1150a.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 11-Mar-2025 19:17:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: ncp102899 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250311-140533.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 11-Mar-2025 23:31:50 Calib Date: 05-Mar-2025 00:26:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250304-139871.b\JC0459.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: WH7Z Date: 11-Mar-2025 20:27:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
10 Pentachlorophenol_T	266	5.064	5.064	0.000	93	375613	NR	NR	
14 Benzidine_T	184	6.332	6.332	0.000	99	1338869	NR	NR	
207 DFTPP									
208 4,4'-DDE	246	6.483	6.483	0.000	1	2488		NR	
210 4,4'-DDD	235	6.746	6.746	0.000	1	343		NR	
209 4,4'-DDT	235	7.032	7.032	0.000	99	909487	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

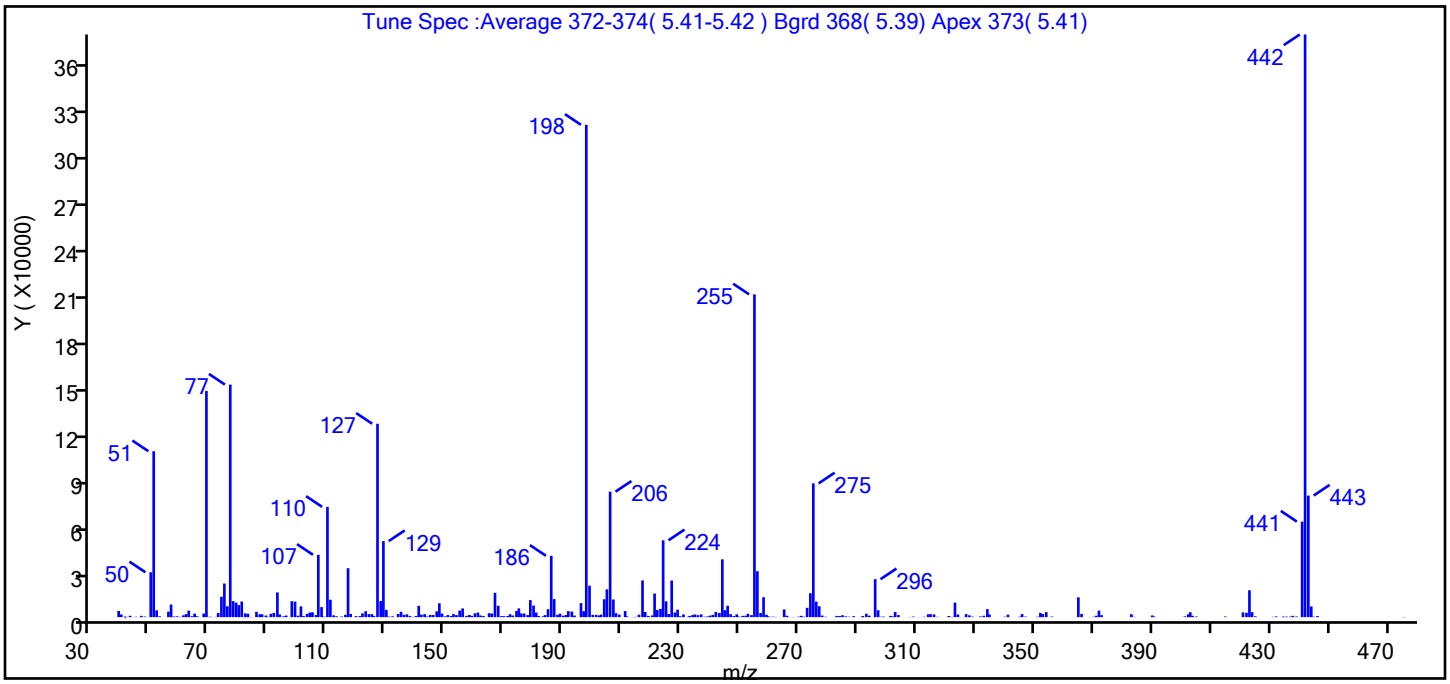
MSS_RVDFTPP_00016 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250311-140533.b\JC1150a.D
Injection Date: 11-Mar-2025 19:17:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: ncp102899 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

207 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (84.5)
51	10-80% of the base peak	33.7
68	<2% of mass 69	0.7 (1.6)
69	Present	45.9
70	<2% of mass 69	0.1 (0.2)
127	10-80% of the base peak	39.3
197	<2% of mass 198	1.2
199	5-9% of mass 198	6.4
275	10-60% of the base peak	27.2
365	>1% of mass 198	4.0
441	present but <24% of mass 442	19.4 (16.4)
442	base peak, or >50% of 198	118.3
443	15-24% of mass 442	24.7 (20.9)

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250311-140533.b\JC1150a.D\MSSemi_HP23264.rslt\spectra
Injection Date: 11-Mar-2025 19:17:30
Spectrum: Tune Spec :Average 372-374(5.41-5.42) Bgrd 368(5.39) Apex 373(5.41)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 314

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	3972	126.00	683	208.00	2549	297.00	4439
40.00	1706	127.00	123600	209.00	1617	298.00	260
41.00	1	128.00	10313	211.00	3881	299.00	326
42.00	188	129.00	48608	212.00	480	301.00	812
43.00	877	130.00	4666	213.00	22	302.00	474
45.00	237	131.00	366	214.00	99	303.00	3256
47.00	829	132.00	518	215.00	206	304.00	1318
48.00	388	134.00	2006	216.00	1575	308.00	119
50.00	28664	135.00	3432	217.00	23456	309.00	357
51.00	106032	136.00	1479	218.00	3296	311.00	110
52.00	4369	137.00	1791	219.00	786	313.00	260
53.00	526	138.00	697	220.00	1088	314.00	1813
54.00	5	139.00	182	221.00	15079	315.00	1936
56.00	3499	140.00	709	222.00	4604	316.00	1754
57.00	8042	141.00	7247	223.00	5279	317.00	219
58.00	421	142.00	1576	224.00	49104	321.00	724
59.00	530	143.00	1926	225.00	10111	322.00	197
60.00	213	144.00	418	226.00	1972	323.00	9278
61.00	1195	145.00	1411	227.00	23400	324.00	1679
62.00	1932	146.00	1351	228.00	2928	325.00	88
63.00	4140	147.00	3661	229.00	4768	326.00	97
64.00	605	148.00	8844	230.00	584	327.00	1953
65.00	2235	149.00	2279	231.00	1746	328.00	1167
66.00	524	150.00	511	232.00	240	329.00	341
68.00	2277	151.00	1347	233.00	788	332.00	465
69.00	144512	152.00	702	234.00	1335	333.00	889
70.00	275	153.00	1955	235.00	1708	334.00	5118
71.00	127	154.00	1307	236.00	1248	335.00	1725
72.00	133	155.00	4189	237.00	1762	340.00	257
73.00	2662	156.00	5564	238.00	273	341.00	1599
74.00	13017	157.00	802	239.00	469	342.00	58
75.00	21488	158.00	1370	240.00	982	345.00	326
76.00	6948	159.00	807	241.00	1446	346.00	1942

Report Date: 11-Mar-2025 23:31:51 Chrom Revision: 2.3 18-Feb-2025 08:41:40
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250311-140533.b\JC1150a.D\MSSemi_HP23264.rslt\spectra
Injection Date: 11-Mar-2025 19:17:30
Spectrum: Tune Spec :Average 372-374(5.41-5.42) Bgrd 368(5.39) Apex 373(5.41)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 314

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.00	148608	160.00	2455	242.00	3327	347.00	339
78.00	10245	161.00	2942	243.00	2615	351.00	271
79.00	9260	162.00	1058	244.00	36928	352.00	2695
80.00	7714	163.00	716	245.00	4442	353.00	1978
81.00	9997	165.00	2490	246.00	7270	354.00	3206
82.00	2407	166.00	2328	247.00	1902	356.00	380
83.00	2201	167.00	15542	248.00	721	365.00	12652
84.00	106	168.00	7274	249.00	1820	366.00	2071
85.00	10	169.00	675	250.00	382	369.00	90
86.00	3425	170.00	610	251.00	827	370.00	254
87.00	1819	171.00	751	252.00	880	371.00	937
88.00	1810	172.00	1871	253.00	2126	372.00	4168
89.00	1036	173.00	1045	254.00	1302	373.00	1275
90.00	238	174.00	3969	255.00	206272	383.00	1858
91.00	2124	175.00	5600	256.00	29360	384.00	216
92.00	2716	176.00	2341	257.00	2616	390.00	1074
93.00	15811	177.00	2301	258.00	12726	391.00	422
94.00	1735	178.00	1308	259.00	1517	401.00	484
95.00	539	179.00	10906	260.00	503	402.00	1782
96.00	1017	180.00	7394	261.00	285	403.00	3170
98.00	10195	181.00	2954	262.00	181	404.00	872
99.00	9940	182.00	770	265.00	4920	405.00	397
100.00	948	183.00	492	266.00	895	415.00	418
101.00	6887	184.00	1291	267.00	151	421.00	3022
102.00	697	185.00	5081	268.00	105	422.00	2816
103.00	2080	186.00	39224	270.00	295	423.00	17208
104.00	2895	187.00	11523	271.00	825	424.00	3155
105.00	3130	188.00	1508	272.00	276	425.00	517
106.00	1332	189.00	2237	273.00	5935	431.00	192
107.00	39848	190.00	932	274.00	15314	432.00	475
108.00	6419	191.00	1390	275.00	85496	434.00	355
109.00	323	192.00	3852	276.00	9900	435.00	145
110.00	70480	193.00	3575	277.00	6942	436.00	335
111.00	11125	194.00	1005	278.00	1023	437.00	325

Report Date: 11-Mar-2025 23:31:51 Chrom Revision: 2.3 18-Feb-2025 08:41:40
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250311-140533.b\JC1150a.D\MSSemi_HP23264.rslt\spectra
Injection Date: 11-Mar-2025 19:17:30
Spectrum: Tune Spec :Average 372-374(5.41-5.42) Bgrd 368(5.39) Apex 373(5.41)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 314

m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	1151	196.00	8960	279.00	247	438.00	844
113.00	532	197.00	3855	283.00	799	439.00	404
115.00	385	198.00	314624	284.00	721	441.00	61072
116.00	1470	199.00	20096	285.00	1218	442.00	372352
117.00	31296	200.00	1515	286.00	492	443.00	77704
118.00	2048	201.00	1440	287.00	243	444.00	6838
120.00	680	202.00	1050	289.00	647	445.00	282
121.00	699	203.00	1658	291.00	106	446.00	685
122.00	2391	204.00	11427	292.00	744	475.00	109
123.00	3797	205.00	17776	293.00	2195	476.00	91
124.00	1889	206.00	80176	294.00	952		
125.00	1923	207.00	11279	296.00	24248		

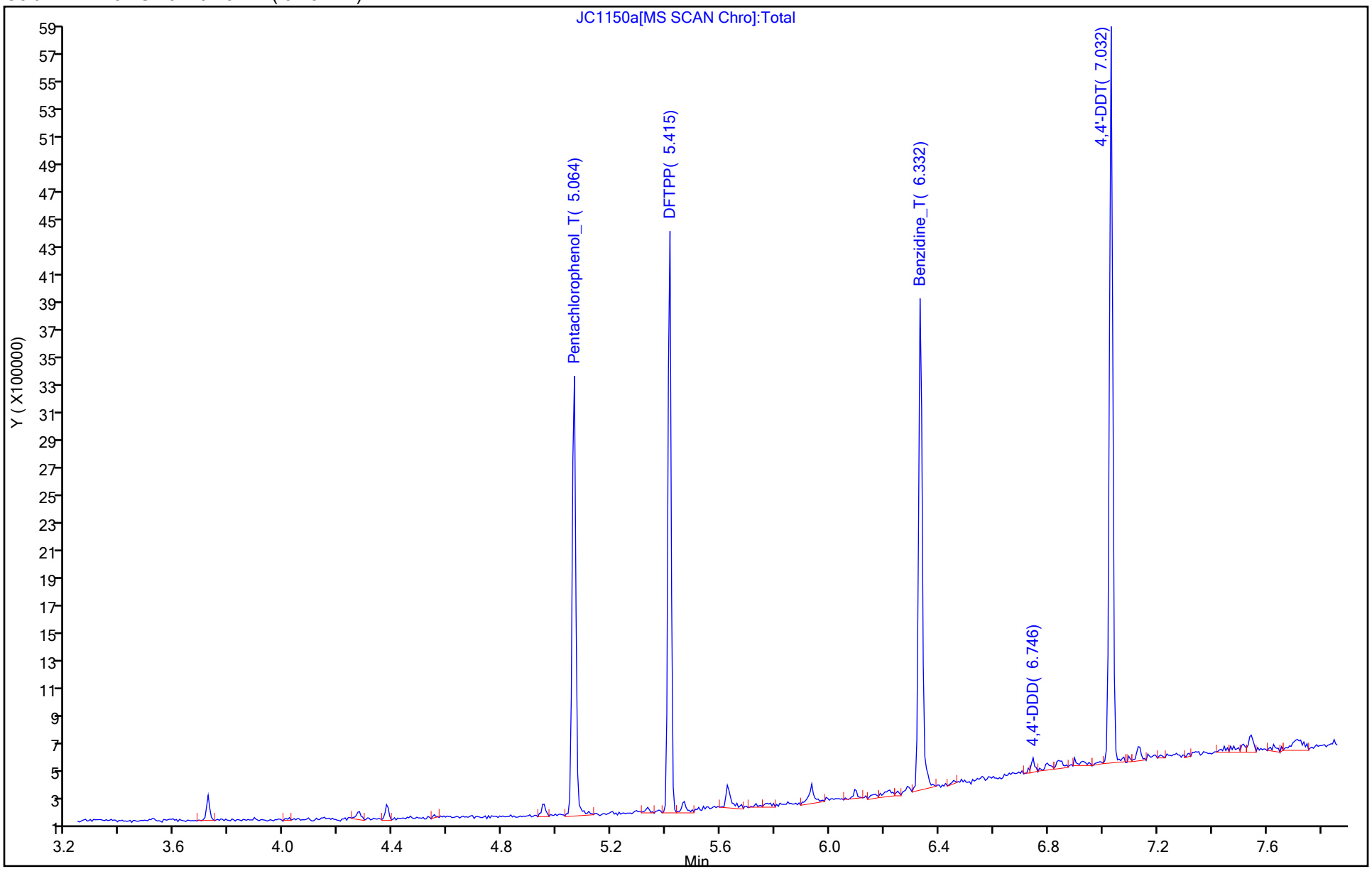
Report Date: 11-Mar-2025 23:31:51 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250311-140533.b\JC1150a.D

Injection Date:	11-Mar-2025 19:17:30	Instrument ID:	HP23264	Operator ID:	ncp102899
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250311-140533.b\JC1150a.D
Injection Date: 11-Mar-2025 19:17:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: ncp102899 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

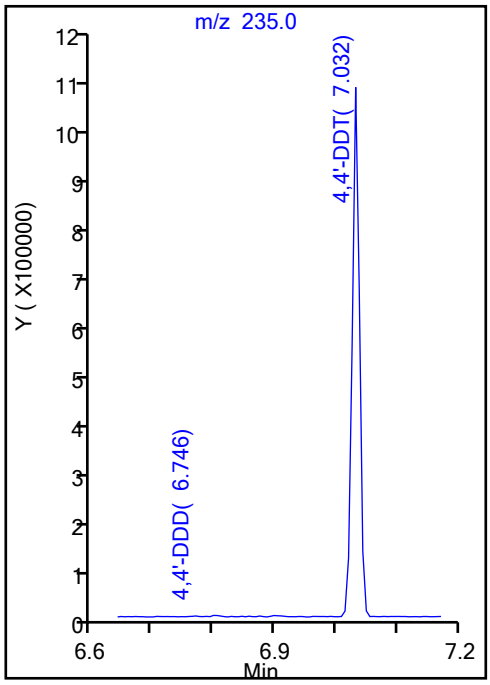
209 4,4'-DDT, Detector: MS SCAN

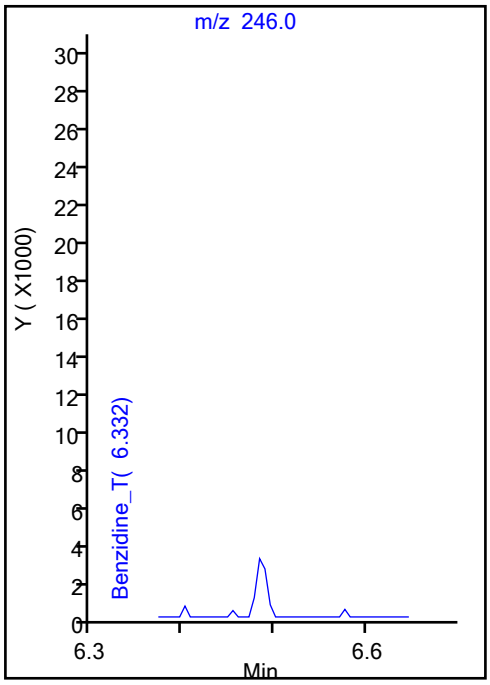
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

209 4,4'-DDT, Area = 909487
210 4,4'-DDD, Area = 343
208 4,4'-DDE, Area = 2488

%Breakdown: 0.31%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

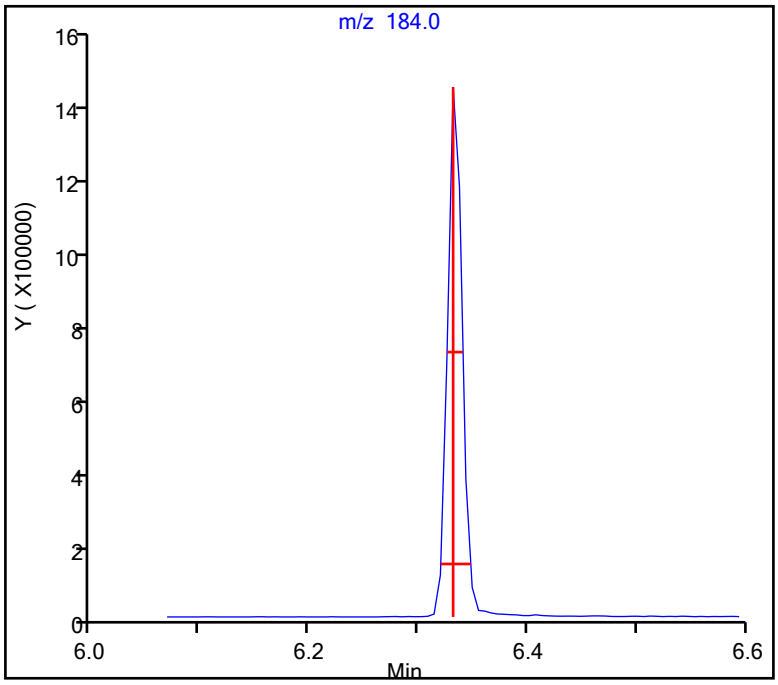
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250311-140533.b\JC1150a.D
Injection Date: 11-Mar-2025 19:17:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: ncp102899 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.45, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

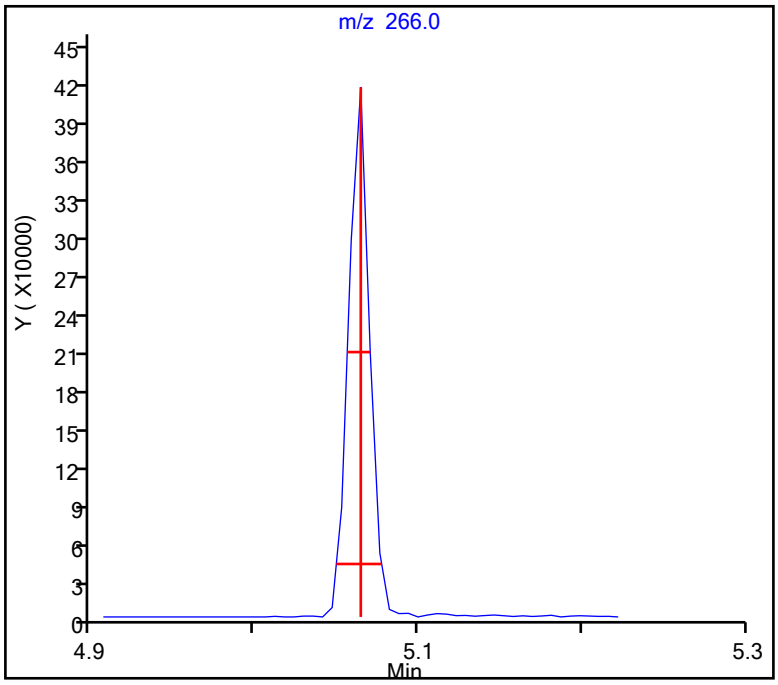
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250311-140533.b\JC1150a.D
Injection Date: 11-Mar-2025 19:17:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: ncp102899 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

10 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.87, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1400a.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 14-Apr-2025 10:59:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 19:44:20 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: W6ZA Date: 14-Apr-2025 11:27:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
10 Pentachlorophenol_T	266	4.953	4.953	0.000	93	350933	NR	NR	
14 Benzidine_T	184	6.226	6.226	0.000	99	1460005	NR	NR	
207 DFTPP									
208 4,4'-DDE	246	6.378	6.378	0.000	6	2489		NR	
210 4,4'-DDD	235	6.688	6.688	0.000	1	4712		NR	a
209 4,4'-DDT	235	6.915	6.915	0.000	98	1052199	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

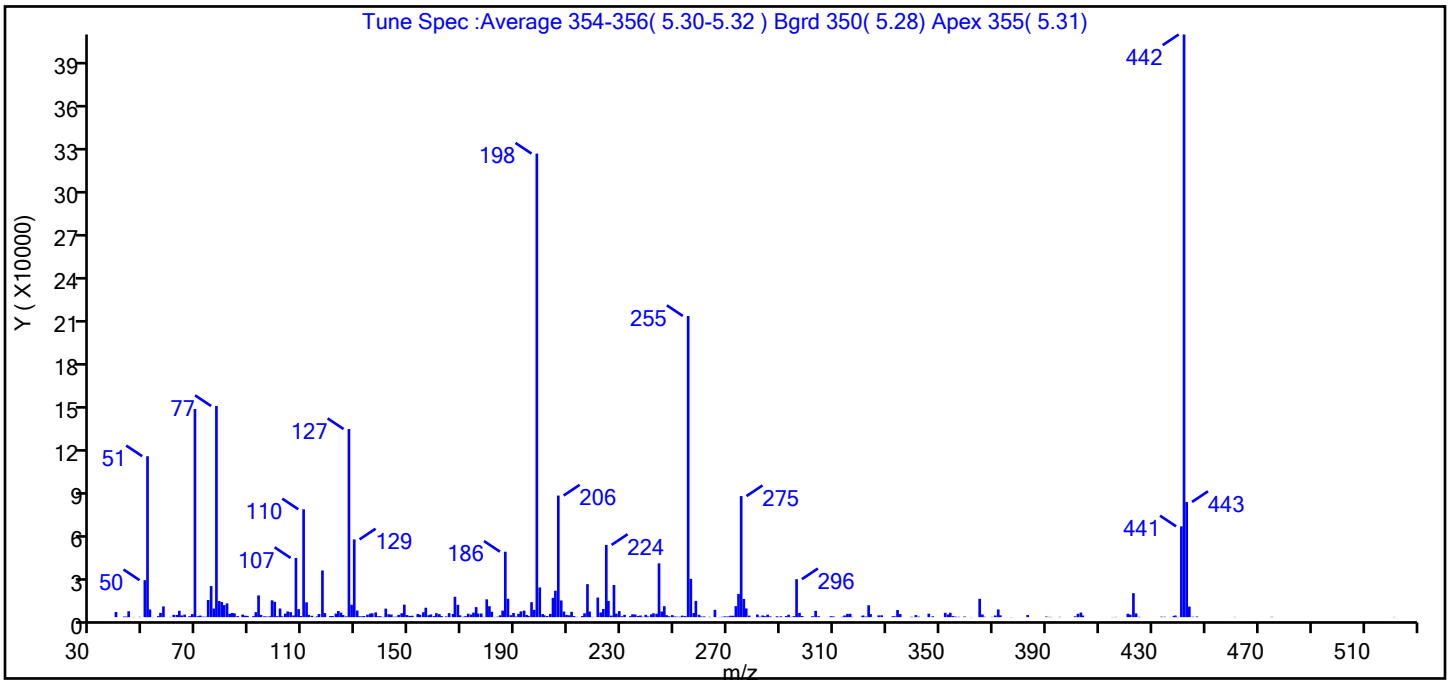
MSS_RVDFTPP_00018 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1400a.D
Injection Date: 14-Apr-2025 10:59:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

207 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (79.6)
51	10-80% of the base peak	34.7
68	<2% of mass 69	0.7 (1.5)
69	Present	44.9
70	<2% of mass 69	0.2 (0.4)
127	10-80% of the base peak	40.6
197	<2% of mass 198	1.6
199	5-9% of mass 198	6.4
275	10-60% of the base peak	26.1
365	>1% of mass 198	4.0
441	present but <24% of mass 442	19.6 (15.6)
442	base peak, or >50% of 198	125.7
443	15-24% of mass 442	24.9 (19.8)

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1400a.D\MSSemi_HP23264.rslt\spectra
Injection Date: 14-Apr-2025 10:59:30
Spectrum: Tune Spec :Average 354-356(5.30-5.32) Bgrd 350(5.28) Apex 355(5.31)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 314

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	3602	130.00	4615	211.00	3677	297.00	2979
42.00	434	131.00	625	212.00	732	298.00	790
43.00	395	132.00	520	213.00	199	302.00	667
44.00	4077	133.00	766	214.00	86	303.00	4415
46.00	140	134.00	1723	215.00	793	304.00	652
48.00	213	135.00	2477	216.00	2657	309.00	667
50.00	25768	136.00	2657	217.00	23008	310.00	491
51.00	112144	137.00	3298	218.00	3920	313.00	235
52.00	5342	138.00	655	219.00	213	314.00	1124
53.00	92	139.00	625	221.00	13643	315.00	2283
55.00	732	140.00	177	222.00	3255	316.00	2340
56.00	2978	141.00	5944	223.00	5679	317.00	197
57.00	7455	142.00	2022	224.00	50344	321.00	362
60.00	156	143.00	1789	225.00	11271	321.00	1157
61.00	1638	144.00	250	226.00	1052	322.00	402
62.00	1511	145.00	338	227.00	22408	323.00	8280
63.00	4464	146.00	1543	228.00	2413	324.00	2149
64.00	1167	147.00	2719	229.00	4182	325.00	86
65.00	1764	148.00	8726	230.00	644	327.00	1232
67.00	640	149.00	1435	231.00	1590	328.00	1280
68.00	2129	150.00	839	233.00	695	332.00	597
69.00	145024	151.00	984	234.00	2024	333.00	561
70.00	647	153.00	2227	235.00	1871	334.00	4982
71.00	1104	154.00	1653	236.00	826	335.00	2120
72.00	337	155.00	3416	237.00	1142	339.00	272
73.00	306	156.00	6579	238.00	263	340.00	92
74.00	11966	157.00	1331	239.00	1623	341.00	1421
75.00	21664	158.00	1894	240.00	525	342.00	366
76.00	5968	159.00	745	241.00	1917	346.00	2436
77.00	147136	160.00	2772	242.00	2695	347.00	613
78.00	11245	161.00	2104	243.00	2357	352.00	3015
79.00	10533	162.00	772	244.00	37496	353.00	1829
80.00	8393	164.00	489	245.00	3916	354.00	3044

Report Date: 14-Apr-2025 19:44:20 Chrom Revision: 2.3 08-Apr-2025 13:07:20
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1400a.D\MSSemi_HP23264.rslt\spectra
Injection Date: 14-Apr-2025 10:59:30
Spectrum: Tune Spec :Average 354-356(5.30-5.32) Bgrd 350(5.28) Apex 355(5.31)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 314

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	9577	165.00	2811	246.00	7624	355.00	738
82.00	2343	166.00	2204	247.00	1353	356.00	372
83.00	2918	167.00	14183	248.00	630	357.00	234
84.00	2634	168.00	8602	249.00	1385	359.00	437
85.00	728	169.00	1284	250.00	451	362.00	101
87.00	1784	170.00	241	251.00	356	365.00	12779
88.00	1027	171.00	668	252.00	297	366.00	1866
89.00	880	172.00	2393	253.00	1046	367.00	288
91.00	708	173.00	1765	254.00	750	370.00	216
92.00	3478	174.00	3142	255.00	209856	371.00	1153
93.00	15164	175.00	6989	256.00	26672	372.00	5392
94.00	1551	176.00	2488	257.00	2882	373.00	1278
95.00	552	177.00	2554	258.00	11333	377.00	105
96.00	418	178.00	155	259.00	1620	383.00	1474
97.00	588	179.00	12414	260.00	443	390.00	432
98.00	11719	180.00	7623	261.00	464	391.00	183
99.00	10700	181.00	3772	263.00	244	392.00	107
100.00	659	182.00	165	264.00	25	395.00	211
101.00	6008	183.00	328	265.00	5104	401.00	597
102.00	577	184.00	1267	266.00	57	402.00	2338
103.00	2384	185.00	4540	267.00	126	403.00	3198
104.00	3955	186.00	45600	268.00	268	404.00	1104
105.00	3492	187.00	12803	269.00	528	415.00	120
106.00	1130	188.00	1343	270.00	478	416.00	169
107.00	41248	189.00	2899	271.00	983	421.00	2372
108.00	5586	190.00	425	272.00	953	422.00	1756
109.00	781	191.00	2343	273.00	7670	423.00	16704
110.00	75144	192.00	4028	274.00	16167	424.00	2597
111.00	10334	193.00	4555	275.00	84360	425.00	219
112.00	1565	194.00	1506	276.00	12692	434.00	328
113.00	965	195.00	867	277.00	6062	435.00	273
114.00	152	196.00	10433	278.00	1043	437.00	115
115.00	548	197.00	5098	281.00	1812	438.00	831
116.00	2173	198.00	323008	282.00	295	439.00	1133

Report Date: 14-Apr-2025 19:44:20 Chrom Revision: 2.3 08-Apr-2025 13:07:20
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1400a.D\MSSemi_HP23264.rslt\spectra
Injection Date: 14-Apr-2025 10:59:30
Spectrum: Tune Spec :Average 354-356(5.30-5.32) Bgrd 350(5.28) Apex 355(5.31)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 314

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	32512	199.00	20696	283.00	1152	440.00	190
118.00	2810	200.00	2142	284.00	705	441.00	63272
120.00	753	201.00	1270	285.00	1715	442.00	406016
121.00	791	202.00	802	286.00	506	443.00	80272
122.00	2459	203.00	2275	288.00	585	444.00	7365
123.00	4255	204.00	13441	289.00	195	445.00	294
124.00	3117	205.00	18408	290.00	596	447.00	445
125.00	1445	206.00	84736	292.00	759	461.00	159
126.00	509	207.00	11618	293.00	1684	475.00	239
127.00	131072	208.00	3920	294.00	189	521.00	148
128.00	8669	209.00	1573	295.00	719		
129.00	54176	210.00	1279	296.00	26456		

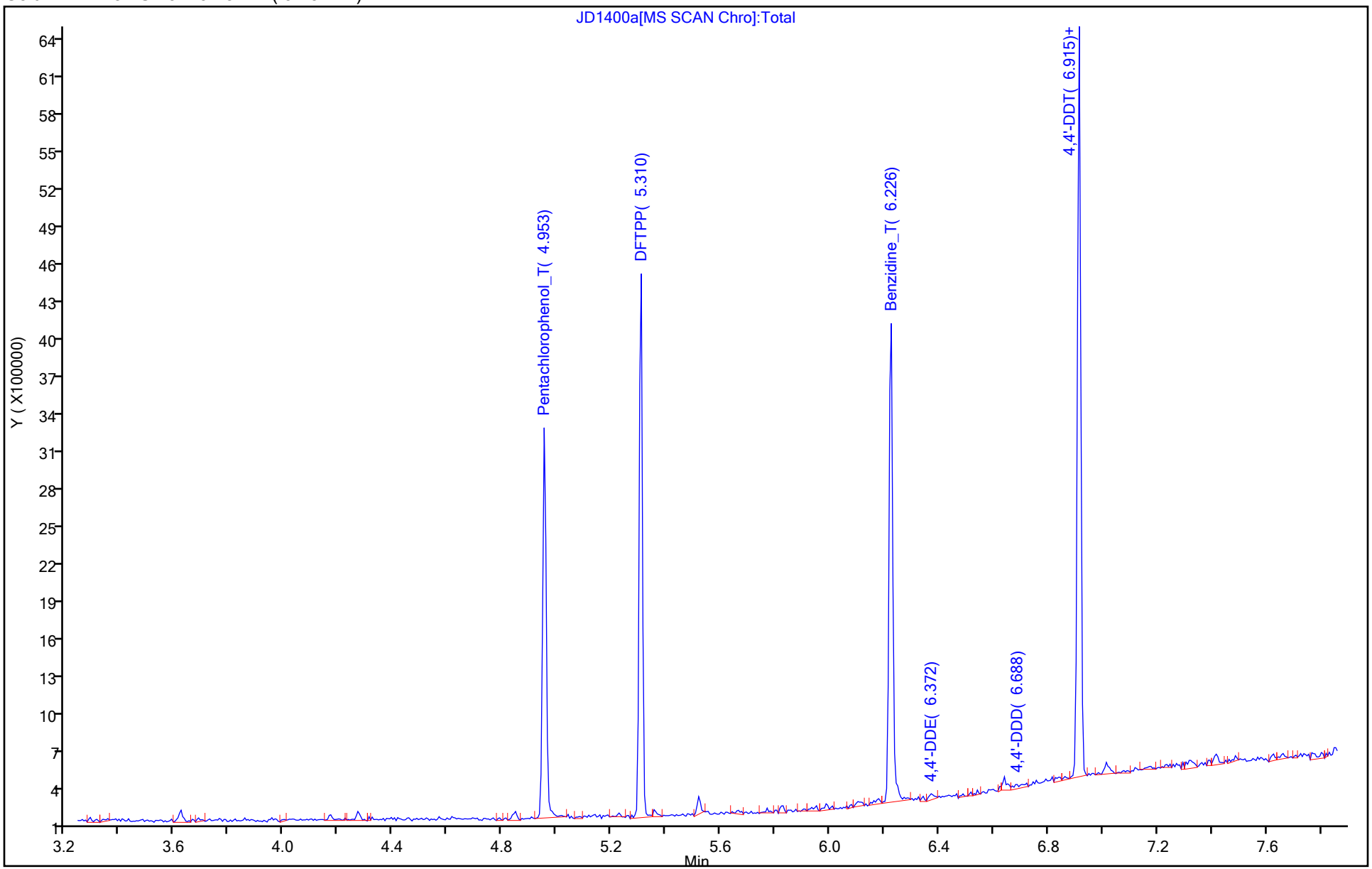
Report Date: 14-Apr-2025 19:44:21 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1400a.D

Injection Date:	14-Apr-2025 10:59:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1400a.D
Injection Date: 14-Apr-2025 10:59:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

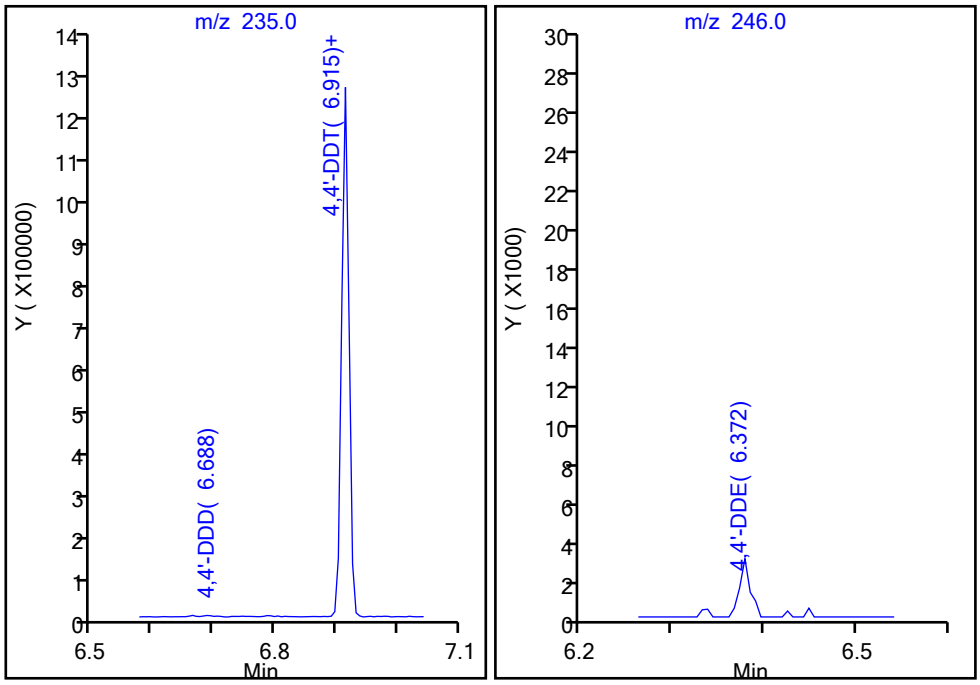
209 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

209 4,4'-DDT, Area = 1052199
210 4,4'-DDD, Area = 4712
208 4,4'-DDE, Area = 2489

%Breakdown: 0.68%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

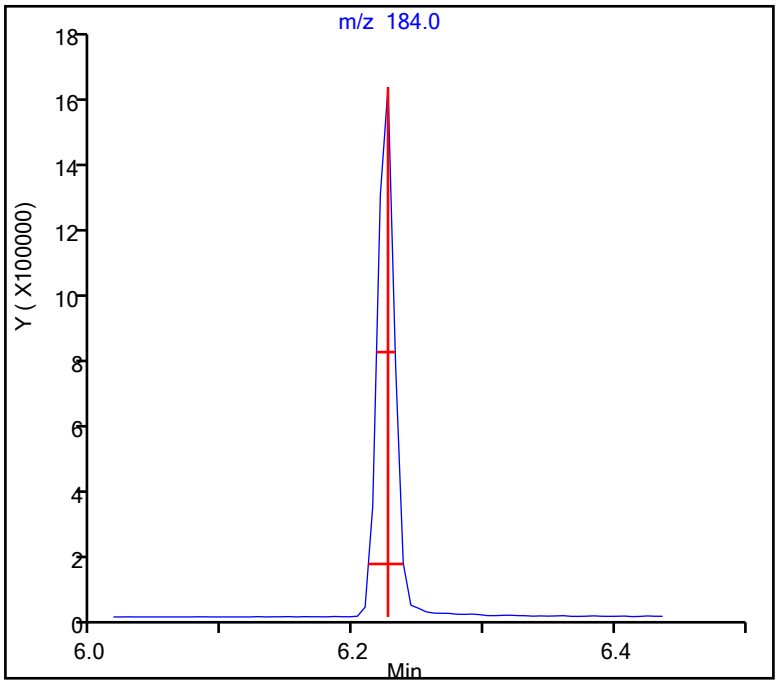
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1400a.D
Injection Date: 14-Apr-2025 10:59:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.80, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

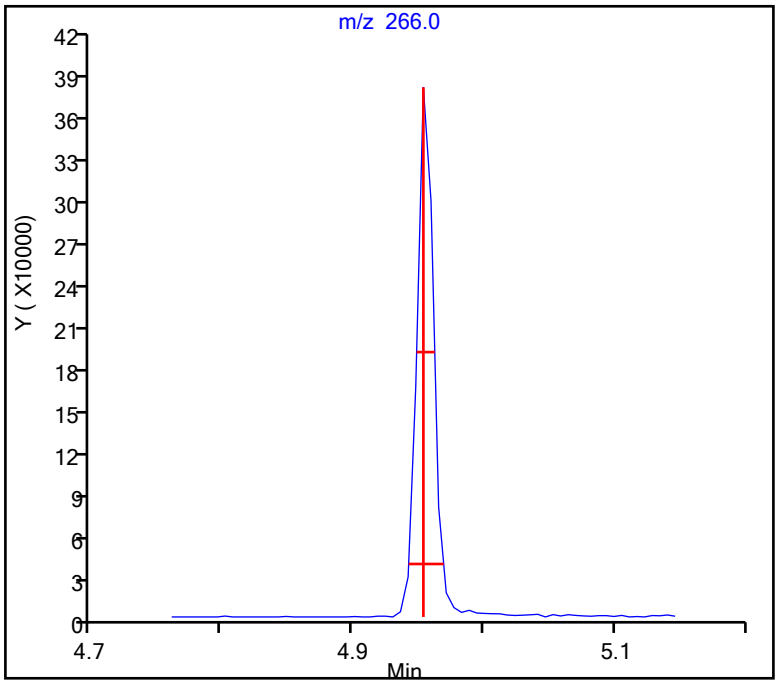
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1400a.D
Injection Date: 14-Apr-2025 10:59:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

10 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.45, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 07-May-2025 23:19:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: IR93211 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:49:03 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: WH7Z Date: 07-May-2025 23:43:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
10 Pentachlorophenol_T	266	4.837	4.837	0.000	90	270993	NR	NR	
14 Benzidine_T	184	6.110	6.110	0.000	99	1228364	NR	NR	
207 DFTPP									
208 4,4'-DDE	246	6.262	6.262	0.000	1	1129		NR	
210 4,4'-DDD	235	6.483	6.483	0.000	53	693		NR	a
209 4,4'-DDT	235	6.787	6.787	0.000	97	724598	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

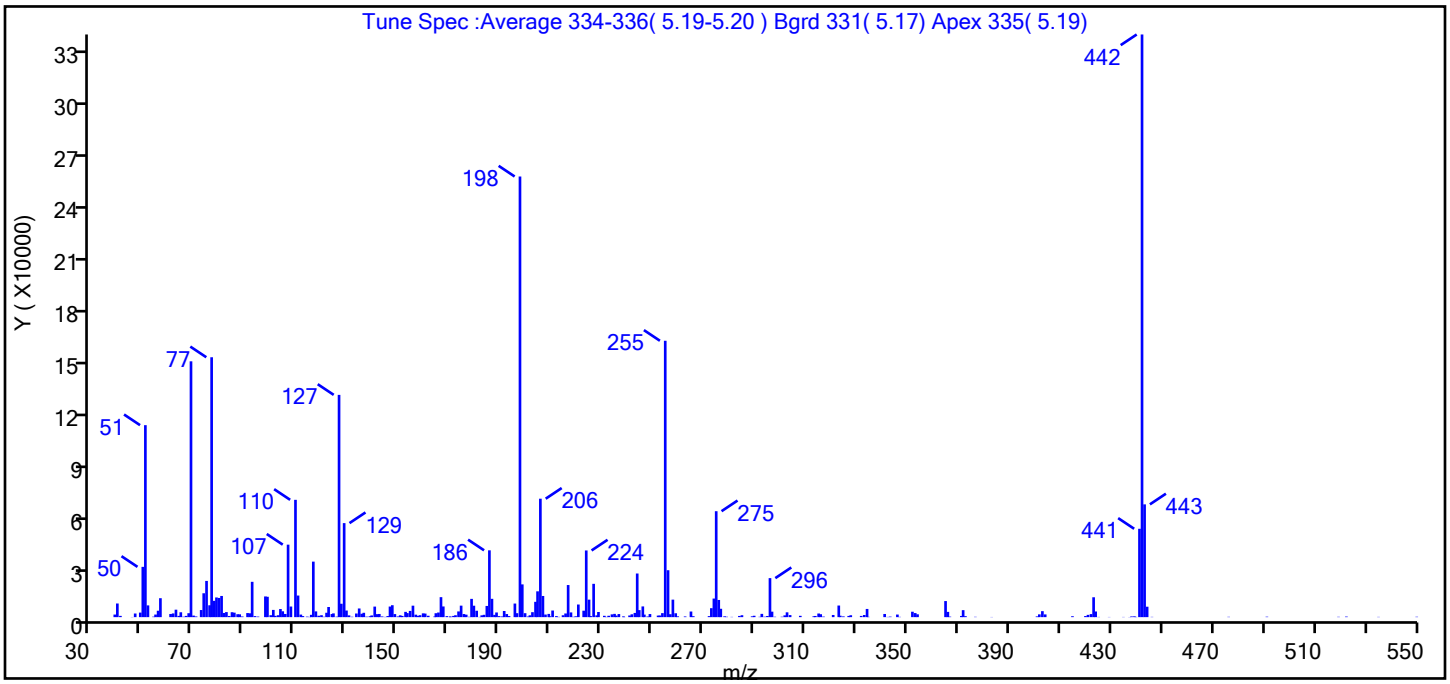
MSS_RVDFTPP_00018 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D
Injection Date: 07-May-2025 23:19:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

207 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (75.6)
51	10-80% of the base peak	43.6
68	<2% of mass 69	0.9 (1.5)
69	Present	58.1
70	<2% of mass 69	0.3 (0.6)
127	10-80% of the base peak	50.4
197	<2% of mass 198	0.9
199	5-9% of mass 198	7.4
275	10-60% of the base peak	24.0
365	>1% of mass 198	3.6
441	present but <24% of mass 442	20.1 (15.2)
442	base peak, or >50% of 198	132.2
443	15-24% of mass 442	25.6 (19.4)

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D\MSSemi_HP23264.rslt\spectra
Injection Date: 07-May-2025 23:19:30
Spectrum: Tune Spec :Average 334-336(5.19-5.20) Bgrd 331(5.17) Apex 335(5.19)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 286

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	1465	125.00	2127	200.00	2242	293.00	1858
40.00	7738	126.00	280	201.00	356	294.00	257
41.00	724	127.00	126000	202.00	1044	295.00	653
46.00	90	128.00	7589	203.00	2812	296.00	22120
47.00	2062	129.00	53304	204.00	8688	297.00	3109
49.00	2573	130.00	3746	205.00	14635	298.00	230
50.00	28504	131.00	1001	206.00	67144	301.00	236
51.00	108832	132.00	219	207.00	11995	302.00	1005
52.00	6662	134.00	2063	208.00	1473	303.00	2732
54.00	280	135.00	4915	209.00	1839	304.00	1161
55.00	1467	136.00	1920	210.00	499	308.00	752
56.00	3630	137.00	2463	211.00	3754	313.00	496
57.00	10739	138.00	280	212.00	581	314.00	665
61.00	1787	139.00	503	213.00	152	315.00	2058
62.00	2098	140.00	961	215.00	1066	316.00	1652
63.00	4229	141.00	5981	216.00	2078	317.00	312
64.00	715	142.00	1703	217.00	18200	321.00	1226
65.00	2763	143.00	1800	218.00	2675	323.00	6582
66.00	254	144.00	392	219.00	201	324.00	813
67.00	709	145.00	144	220.00	481	325.00	422
68.00	2231	146.00	613	221.00	7162	327.00	697
69.00	145024	147.00	6011	223.00	3654	328.00	1072
70.00	874	148.00	6760	224.00	37800	332.00	691
71.00	388	149.00	1735	225.00	9915	333.00	1216
73.00	4028	150.00	398	226.00	618	334.00	4648
74.00	13536	151.00	1031	227.00	18888	335.00	175
75.00	20528	152.00	686	228.00	1012	341.00	1794
76.00	6726	153.00	2994	229.00	2917	342.00	139
77.00	147328	154.00	2296	231.00	760	343.00	295
78.00	9253	155.00	3528	232.00	144	346.00	1470
79.00	11160	156.00	6500	233.00	775	347.00	156
80.00	10886	157.00	1399	234.00	1577	352.00	3070
81.00	12011	158.00	778	235.00	1855	353.00	2308

Report Date: 08-May-2025 09:49:03 Chrom Revision: 2.3 18-Apr-2025 15:35:42
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D\MSSemi_HP23264.rslt\spectra
Injection Date: 07-May-2025 23:19:30
Spectrum: Tune Spec :Average 334-336(5.19-5.20) Bgrd 331(5.17) Apex 335(5.19)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 286

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	2376	159.00	1096	236.00	895	354.00	1604
83.00	2859	160.00	2148	237.00	1748	365.00	9114
84.00	666	161.00	2013	239.00	429	366.00	2984
85.00	2797	162.00	793	239.00	135	367.00	287
86.00	2541	164.00	356	241.00	936	371.00	680
87.00	1650	165.00	2228	242.00	1613	372.00	3961
88.00	1599	166.00	2611	243.00	2386	373.00	549
89.00	374	167.00	11331	244.00	24736	377.00	188
91.00	2316	168.00	6053	245.00	3982	383.00	101
92.00	2184	169.00	573	246.00	6078	401.00	428
93.00	20024	171.00	342	247.00	1441	402.00	1574
94.00	585	171.00	236	248.00	361	403.00	3393
95.00	325	172.00	702	249.00	1754	404.00	1549
98.00	11734	173.00	1072	252.00	872	415.00	515
99.00	11546	174.00	3236	253.00	928	420.00	620
100.00	1089	175.00	6518	254.00	2275	421.00	1291
101.00	4100	176.00	1752	255.00	156672	422.00	1728
102.00	746	177.00	1403	256.00	26600	423.00	11269
103.00	1079	178.00	198	257.00	1667	424.00	3209
104.00	4589	179.00	10358	258.00	9922	425.00	123
105.00	3320	180.00	6476	259.00	2203	429.00	105
106.00	1796	181.00	3620	260.00	458	435.00	117
107.00	41088	182.00	133	263.00	390	437.00	86
108.00	6019	183.00	1025	265.00	3190	438.00	403
110.00	66504	184.00	1316	266.00	531	439.00	457
111.00	12244	185.00	6348	272.00	587	440.00	143
112.00	1449	186.00	37880	273.00	5078	441.00	50088
113.00	603	187.00	10387	274.00	10532	442.00	330304
114.00	295	188.00	1294	275.00	60056	443.00	63936
116.00	147	189.00	2650	276.00	9735	444.00	5913
116.00	1313	190.00	581	277.00	4741	446.00	158
117.00	31472	191.00	391	278.00	463	476.00	184
118.00	3262	192.00	3482	279.00	233	491.00	257
119.00	802	193.00	1752	281.00	142	519.00	192

Report Date: 08-May-2025 09:49:03 Chrom Revision: 2.3 18-Apr-2025 15:35:42
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D\MSSemi_HP23264.rslt\spectra
Injection Date: 07-May-2025 23:19:30
Spectrum: Tune Spec :Average 334-336(5.19-5.20) Bgrd 331(5.17) Apex 335(5.19)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 286

m/z	Y	m/z	Y	m/z	Y	m/z	Y
120.00	1090	194.00	611	284.00	679	522.00	326
121.00	226	196.00	7704	285.00	1087	535.00	145
122.00	2483	197.00	2246	289.00	457	550.00	223
123.00	5748	198.00	249792	290.00	785		
124.00	1764	199.00	18568	292.00	201		

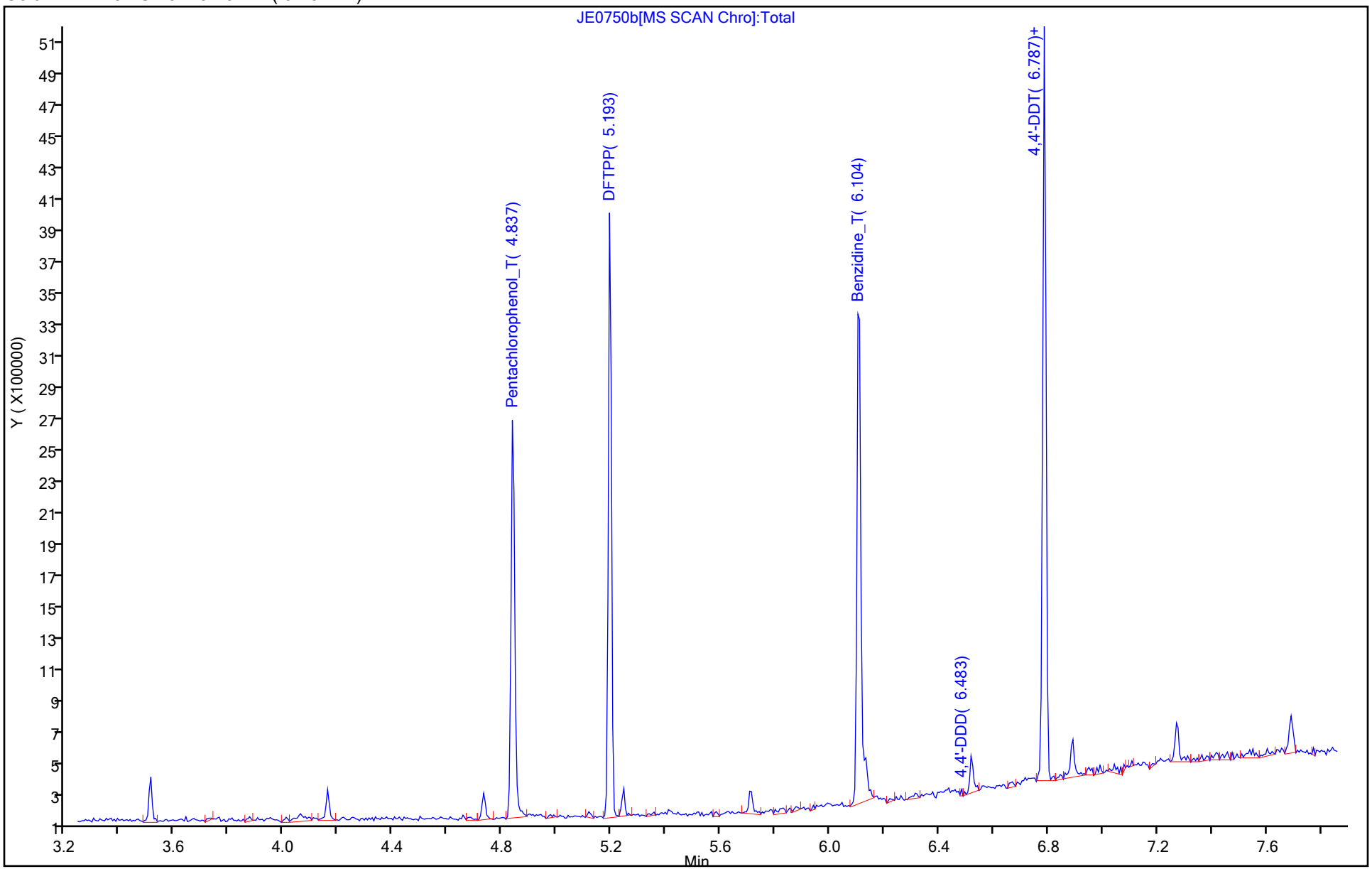
Report Date: 08-May-2025 09:49:03 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D

Injection Date:	07-May-2025 23:19:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D				
Injection Date:	07-May-2025 23:19:30	Instrument ID:	HP23264		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

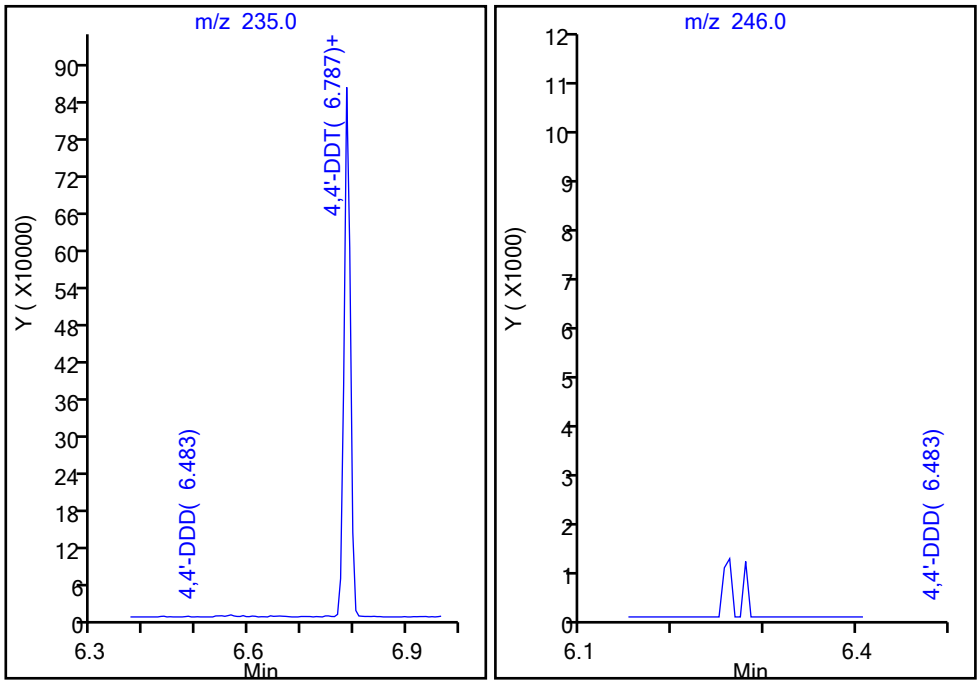
209 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

209 4,4'-DDT, Area = 724598
210 4,4'-DDD, Area = 693
208 4,4'-DDE, Area = 1129

%Breakdown: 0.25%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

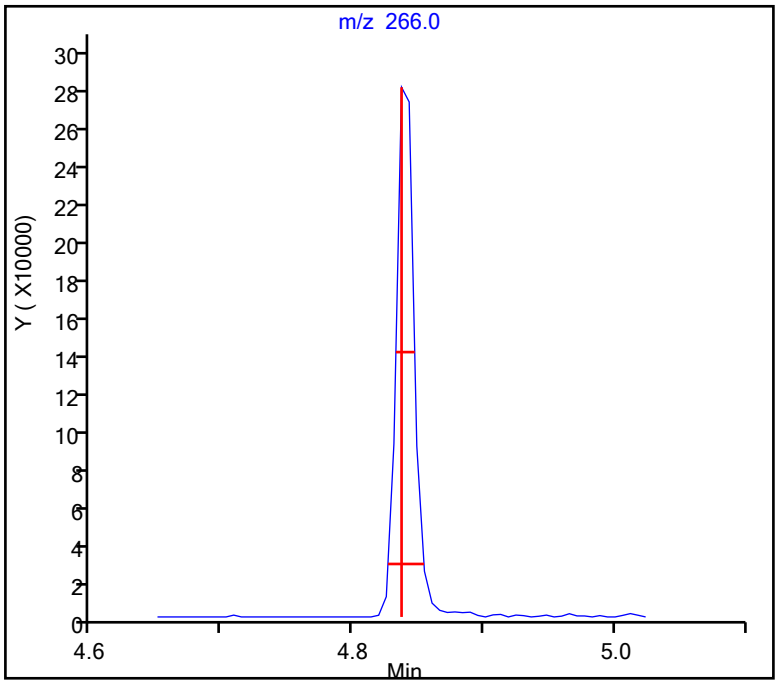
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D
Injection Date: 07-May-2025 23:19:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

10 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.70, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

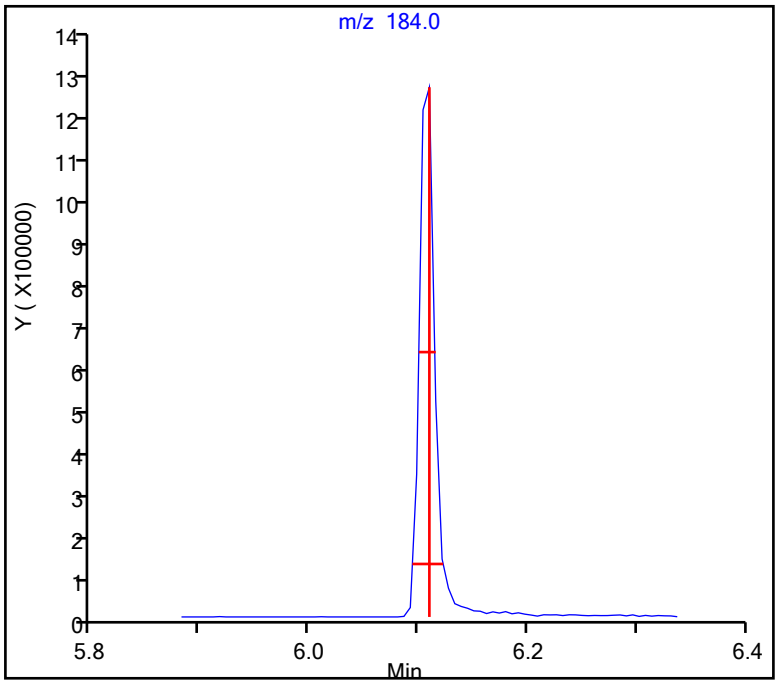
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D
Injection Date: 07-May-2025 23:19:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 0.81, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2550a.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 25-Jun-2025 22:42:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: IR93211 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 11:08:12 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: N5QU Date: 25-Jun-2025 22:59:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
10 Pentachlorophenol_T	266	4.504	4.504	0.000	92	298830	NR	NR	
14 Benzidine_T	184	5.765	5.765	0.000	99	1425627	NR	NR	
207 DFTPP									
208 4,4'-DDE	246	5.911	5.911	0.000	1	966		NR	
210 4,4'-DDD	235	6.320	6.320	0.000	0	3189		NR	a
209 4,4'-DDT	235	6.442	6.442	0.000	99	872076	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

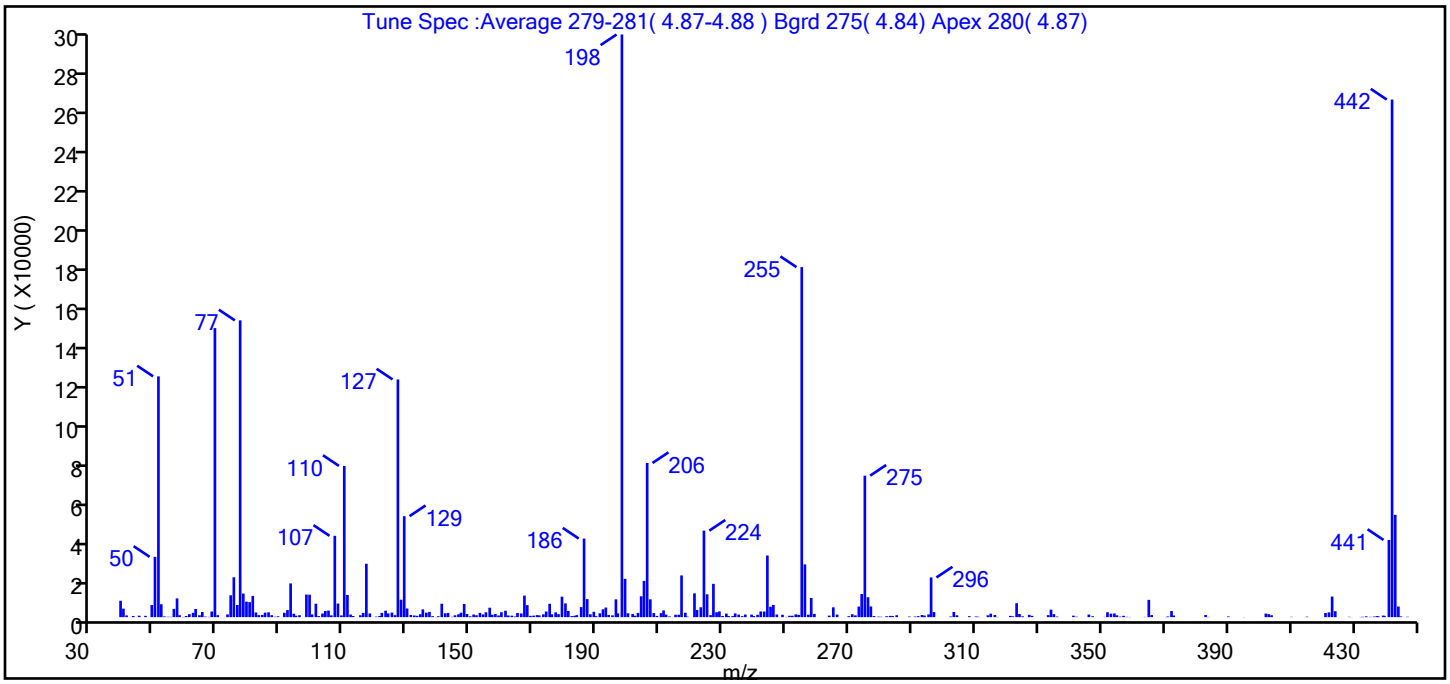
MSS_RVDFTPP_00018 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2550a.D
Injection Date: 25-Jun-2025 22:42:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

207 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (112.6)
51	10-80% of the base peak	41.3
68	<2% of mass 69	1.0 (1.9)
69	Present	49.6
70	<2% of mass 69	0.3 (0.7)
127	10-80% of the base peak	40.8
197	<2% of mass 198	0.6
199	5-9% of mass 198	6.6
275	10-60% of the base peak	24.3
365	>1% of mass 198	3.0
441	present but <24% of mass 442	13.2 (14.9)
442	base peak, or >50% of 198	88.8
443	15-24% of mass 442	17.6 (19.8)

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2550a.D\MSSemi_HP23264.rslt\spectra
Injection Date: 25-Jun-2025 22:42:30
Spectrum: Tune Spec :Average 279-281(4.87-4.88) Bgrd 275(4.84) Apex 280(4.87)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 305

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	8259	125.00	2304	202.00	725	295.00	1370
40.00	4280	126.00	997	203.00	2126	296.00	20024
41.00	861	127.00	119944	204.00	10519	297.00	2565
43.00	593	128.00	8796	205.00	18288	302.00	324
45.00	738	129.00	50960	206.00	77784	303.00	2624
47.00	661	130.00	4376	207.00	8984	304.00	906
49.00	6112	131.00	1079	208.00	2074	308.00	500
50.00	30424	132.00	835	209.00	621	310.00	324
51.00	121496	133.00	676	210.00	2016	311.00	195
52.00	6518	134.00	1475	211.00	3385	314.00	943
53.00	374	135.00	3918	212.00	1279	315.00	1765
54.00	203	136.00	2258	213.00	349	316.00	1097
55.00	156	137.00	2617	215.00	1203	317.00	111
56.00	4176	138.00	505	216.00	1213	321.00	640
57.00	9442	139.00	54	217.00	21040	322.00	412
58.00	961	140.00	457	218.00	2221	323.00	7035
59.00	108	141.00	6786	219.00	296	324.00	1601
60.00	596	142.00	1937	221.00	12022	325.00	418
61.00	1503	143.00	2104	222.00	3623	327.00	1163
62.00	2184	144.00	173	223.00	4975	328.00	641
63.00	4127	145.00	938	224.00	43640	333.00	1012
64.00	953	146.00	1450	225.00	11519	334.00	3789
65.00	2600	147.00	2237	226.00	1004	335.00	1512
66.00	269	148.00	6660	227.00	16800	336.00	310
67.00	144	149.00	1593	228.00	2484	341.00	743
68.00	2835	150.00	451	229.00	2896	342.00	218
69.00	145856	151.00	1326	230.00	576	346.00	1318
70.00	997	152.00	941	231.00	1782	347.00	467
73.00	1364	153.00	2156	232.00	575	351.00	109
74.00	11021	154.00	1356	233.00	550	352.00	2487
75.00	20104	155.00	2444	234.00	1890	353.00	1751
76.00	6125	156.00	4754	235.00	1287	354.00	1859
77.00	149760	157.00	1207	236.00	505	355.00	914

Report Date: 26-Jun-2025 11:08:13 Chrom Revision: 2.3 14-Jun-2025 12:06:34
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2550a.D\MSSemi_HP23264.rslt\spectra
Injection Date: 25-Jun-2025 22:42:30
Spectrum: Tune Spec :Average 279-281(4.87-4.88) Bgrd 275(4.84) Apex 280(4.87)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 305

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	11919	158.00	1648	237.00	1330	356.00	257
79.00	7820	159.00	820	239.00	1288	357.00	672
80.00	7570	160.00	2496	240.00	564	358.00	167
81.00	10709	161.00	3235	241.00	1176	359.00	100
82.00	2369	162.00	825	242.00	2882	364.00	127
83.00	1006	163.00	762	243.00	2830	365.00	8713
84.00	1122	164.00	322	244.00	31096	366.00	1049
85.00	2288	165.00	2094	245.00	5250	371.00	132
86.00	2457	166.00	1861	246.00	6180	371.00	326
87.00	973	167.00	10869	247.00	1330	372.00	3096
88.00	209	168.00	6041	249.00	1195	373.00	820
89.00	435	169.00	640	250.00	115	383.00	1090
91.00	2184	170.00	775	251.00	701	384.00	122
92.00	3570	171.00	1024	252.00	696	390.00	346
93.00	17024	172.00	875	253.00	1408	395.00	88
94.00	1724	173.00	1430	254.00	1144	402.00	1801
95.00	729	174.00	2847	255.00	176640	403.00	1484
96.00	964	175.00	6730	256.00	26616	404.00	961
97.00	9	176.00	1418	257.00	1247	410.00	157
98.00	11400	177.00	2401	258.00	9661	415.00	263
99.00	11319	178.00	1504	259.00	1636	421.00	2097
100.00	1380	179.00	10326	264.00	780	422.00	2390
101.00	6780	180.00	6944	265.00	4965	423.00	10373
102.00	535	181.00	3126	266.00	1293	424.00	3012
103.00	1825	182.00	552	270.00	477	428.00	178
104.00	3117	183.00	698	271.00	1470	429.00	43
105.00	3316	184.00	1019	272.00	885	432.00	92
106.00	886	185.00	5057	273.00	5330	433.00	171
107.00	41048	186.00	39656	274.00	11663	434.00	415
108.00	6862	187.00	9104	275.00	71400	435.00	150
109.00	866	188.00	1449	276.00	10041	436.00	307
110.00	76304	189.00	2709	277.00	5377	437.00	508
111.00	11200	190.00	500	278.00	549	438.00	426
112.00	1322	191.00	1940	279.00	244	439.00	787

Report Date: 26-Jun-2025 11:08:13 Chrom Revision: 2.3 14-Jun-2025 12:06:34
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2550a.D\MSSemi_HP23264.rslt\spectra
Injection Date: 25-Jun-2025 22:42:30
Spectrum: Tune Spec :Average 279-281(4.87-4.88) Bgrd 275(4.84) Apex 280(4.87)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 305

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	564	192.00	3944	280.00	184	440.00	592
115.00	949	193.00	4840	282.00	456	441.00	38944
116.00	2128	194.00	1107	283.00	627	442.00	261184
117.00	26944	195.00	914	284.00	610	443.00	51624
118.00	1870	196.00	8977	285.00	958	444.00	5366
120.00	267	197.00	1898	289.00	295	445.00	374
121.00	569	198.00	294016	291.00	287	447.00	200
122.00	2140	199.00	19320	292.00	506		
123.00	3254	200.00	1938	293.00	1070		
124.00	1871	201.00	1563	294.00	790		

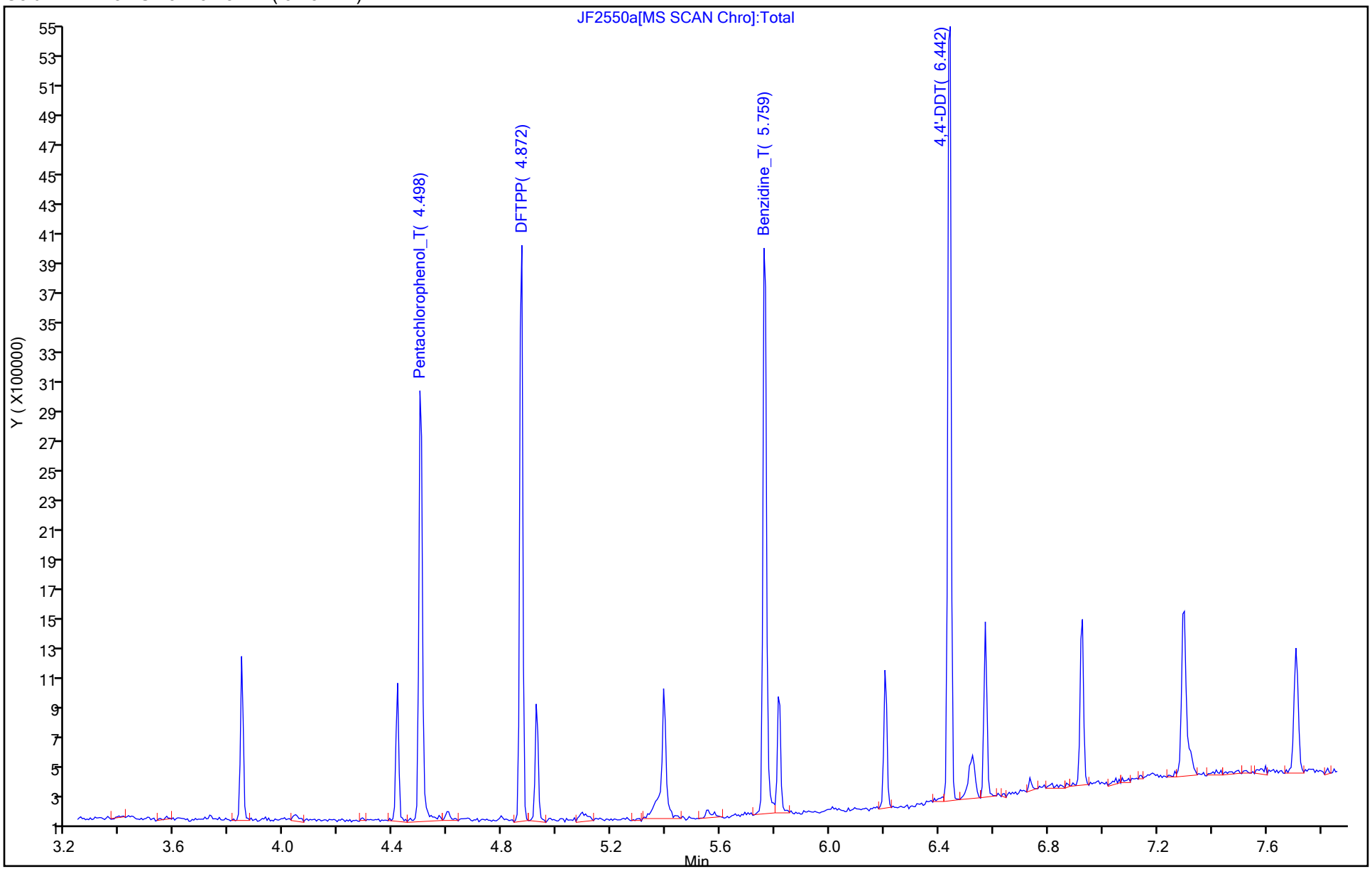
Report Date: 26-Jun-2025 11:08:13 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2550a.D

Injection Date:	25-Jun-2025 22:42:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2550a.D
Injection Date: 25-Jun-2025 22:42:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

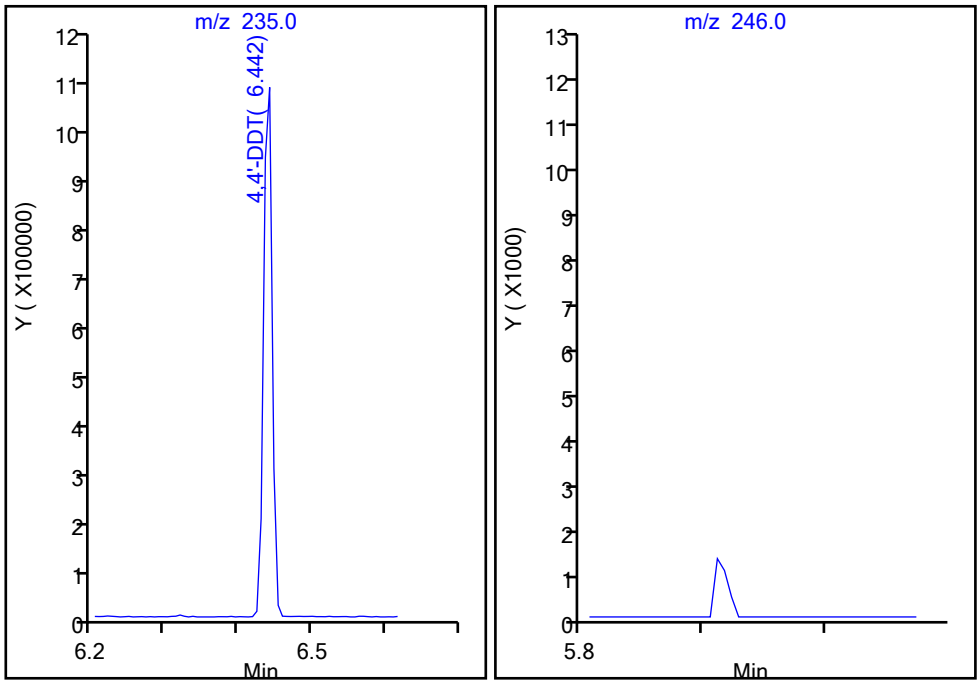
209 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

209 4,4'-DDT, Area = 872076
210 4,4'-DDD, Area = 3189
208 4,4'-DDE, Area = 966

%Breakdown: 0.47%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

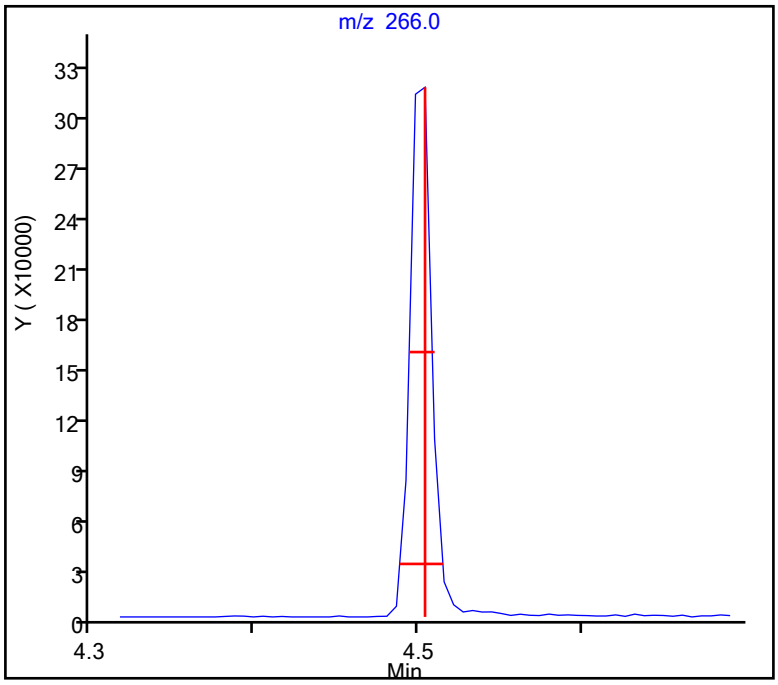
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2550a.D
Injection Date: 25-Jun-2025 22:42:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

10 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 0.69, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

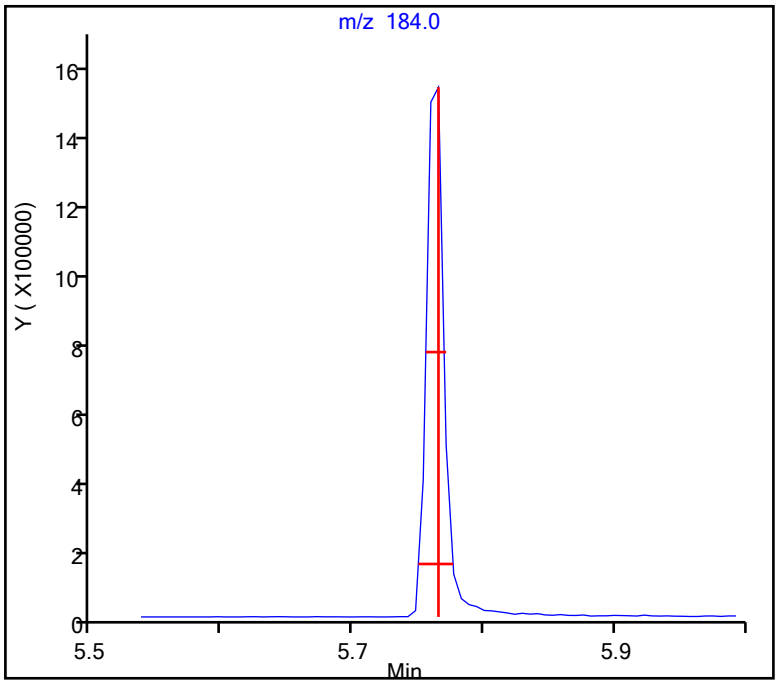
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2550a.D
Injection Date: 25-Jun-2025 22:42:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.73, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0600.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 06-Aug-2025 07:05:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 10:14:17 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1695

First Level Reviewer: W6ZA Date: 06-Aug-2025 07:24:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
10 Pentachlorophenol_T	266	4.399	4.399	0.000	92	319344	NR	NR	
14 Benzidine_T	184	5.666	5.666	0.000	99	1539542	NR	NR	
207 DFTPP									
208 4,4'-DDE	246		5.818					ND	U
209 4,4'-DDT	235	6.343	6.343	0.000	98	956327	NR	NR	
210 4,4'-DDD	235		6.343					ND	U

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

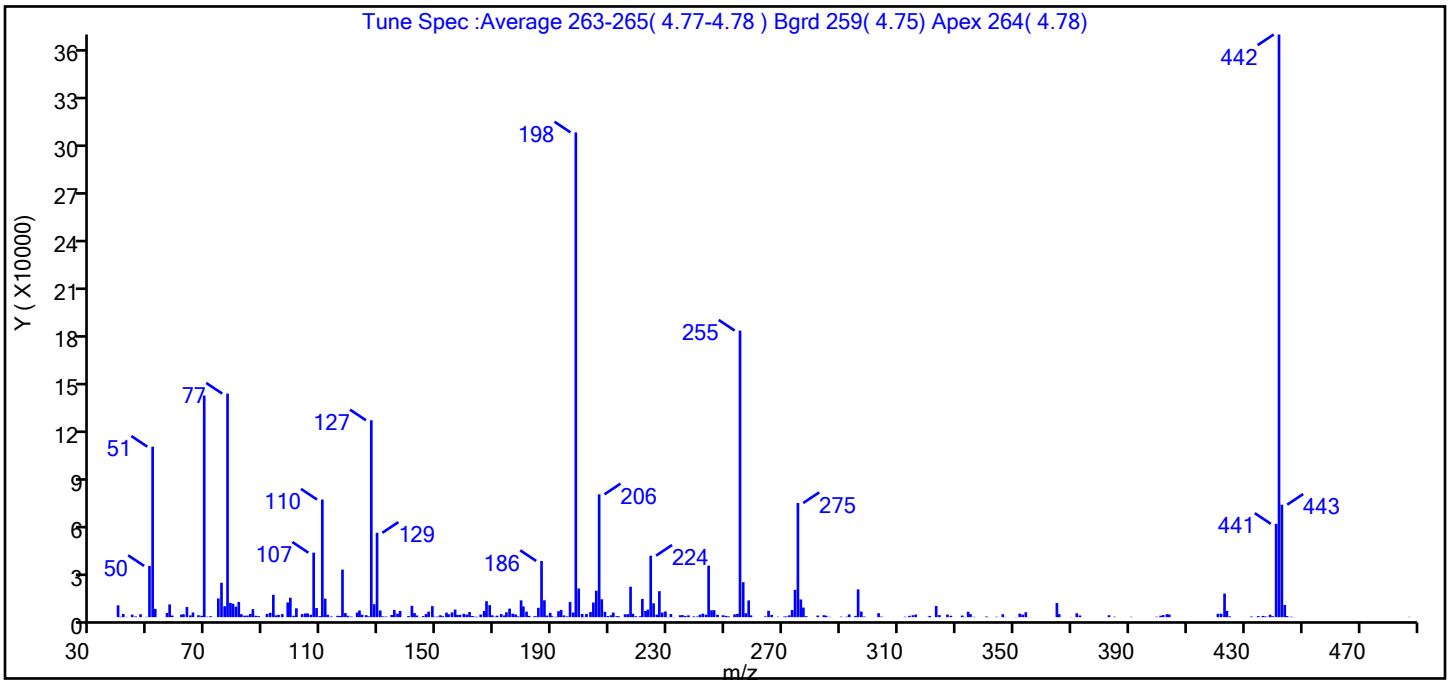
MSS_RVDFTPP_00018 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0600.D
Injection Date: 06-Aug-2025 07:05:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

207 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (83.2)
51	10-80% of the base peak	35.2
68	<2% of mass 69	0.3 (0.6)
69	Present	45.7
70	<2% of mass 69	0.1 (0.2)
127	10-80% of the base peak	40.6
197	<2% of mass 198	0.9
199	5-9% of mass 198	5.9
275	10-60% of the base peak	23.5
365	>1% of mass 198	2.9
441	present but <24% of mass 442	19.2 (16.0)
442	base peak, or >50% of 198	120.2
443	15-24% of mass 442	23.2 (19.3)

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0600.D\MSSemi_HP23264.rslt\spectra
Injection Date: 06-Aug-2025 07:05:30
Spectrum: Tune Spec :Average 263-265(4.77-4.78) Bgrd 259(4.75) Apex 264(4.78)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 280

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	7438	126.00	529	199.00	17992	284.00	1226
40.00	256	127.00	123768	200.00	1997	285.00	913
41.00	1997	128.00	8153	201.00	220	286.00	175
42.00	166	129.00	53040	202.00	2036	290.00	290
44.00	1564	130.00	4175	203.00	3254	292.00	296
45.00	462	131.00	471	204.00	9174	293.00	1697
47.00	1792	132.00	379	205.00	16672	295.00	761
49.00	194	134.00	1347	206.00	77224	296.00	17456
50.00	32176	135.00	4563	207.00	11227	297.00	3511
51.00	107168	136.00	2175	208.00	3368	298.00	382
52.00	5176	137.00	3908	209.00	712	303.00	2497
56.00	2629	140.00	692	210.00	1188	304.00	340
57.00	8047	141.00	7112	211.00	2896	312.00	278
58.00	996	142.00	2562	212.00	611	314.00	806
61.00	1623	143.00	1047	213.00	526	315.00	1212
62.00	1805	144.00	111	215.00	1784	316.00	1616
63.00	6346	145.00	662	216.00	1847	320.00	241
64.00	1072	146.00	1941	217.00	19112	321.00	764
65.00	2922	147.00	3459	218.00	2112	323.00	7032
67.00	1204	148.00	6934	219.00	573	324.00	1279
68.00	872	149.00	268	220.00	553	327.00	1635
69.00	139328	150.00	381	221.00	11463	328.00	846
70.00	277	151.00	1202	222.00	3901	332.00	967
71.00	608	152.00	595	223.00	4761	333.00	143
74.00	11750	153.00	2834	224.00	38648	334.00	3415
75.00	21632	154.00	1841	225.00	8729	335.00	1913
76.00	6880	155.00	2968	226.00	1596	336.00	235
77.00	140544	156.00	4759	227.00	16334	340.00	419
78.00	8970	157.00	1416	228.00	2914	341.00	114
79.00	8441	158.00	1459	229.00	3555	344.00	257
80.00	6594	159.00	2067	230.00	83	346.00	1814
81.00	9570	160.00	1607	231.00	1952	347.00	162
82.00	1868	161.00	3241	232.00	134	351.00	93

Report Date: 06-Aug-2025 10:14:17 Chrom Revision: 2.3 25-Jul-2025 13:52:40
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0600.D\MSSemi_HP23264.rslt\spectra
Injection Date: 06-Aug-2025 07:05:30
Spectrum: Tune Spec :Average 263-265(4.77-4.78) Bgrd 259(4.75) Apex 264(4.78)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 280

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	950	162.00	713	234.00	1189	352.00	2210
84.00	997	163.00	278	235.00	1263	353.00	1658
85.00	2023	164.00	235	236.00	784	354.00	3067
86.00	5024	165.00	1646	237.00	1139	355.00	148
87.00	869	166.00	3869	239.00	459	365.00	8851
88.00	635	167.00	10014	240.00	385	366.00	1876
91.00	2057	168.00	7574	241.00	1584	370.00	123
92.00	2719	169.00	1137	242.00	2180	372.00	2444
93.00	14043	170.00	317	243.00	1529	373.00	1066
94.00	1094	171.00	927	244.00	32376	383.00	1215
95.00	1433	172.00	1931	245.00	4309	385.00	300
96.00	1878	173.00	1074	246.00	4380	391.00	219
98.00	9248	174.00	3043	247.00	1480	400.00	276
99.00	12194	175.00	5368	249.00	1209	401.00	899
100.00	853	176.00	2182	250.00	810	402.00	1297
101.00	5570	177.00	1707	251.00	495	403.00	1886
103.00	1919	178.00	484	253.00	1764	404.00	1688
104.00	2318	179.00	10542	254.00	2032	421.00	2120
105.00	2355	180.00	6691	255.00	180160	422.00	2137
106.00	1510	181.00	3462	256.00	21960	423.00	14837
107.00	40520	182.00	810	257.00	2450	424.00	3905
108.00	5729	184.00	497	258.00	10525	425.00	520
109.00	653	184.00	493	259.00	1110	432.00	405
110.00	73936	185.00	5875	264.00	454	435.00	696
111.00	11609	186.00	35304	265.00	3983	436.00	761
112.00	1520	187.00	10615	266.00	1431	437.00	437
113.00	415	188.00	990	268.00	261	438.00	233
115.00	874	189.00	2692	270.00	332	439.00	1526
116.00	728	190.00	519	271.00	466	440.00	586
117.00	29872	191.00	235	272.00	1122	441.00	58656
118.00	2556	192.00	3724	273.00	4485	442.00	366336
119.00	861	193.00	4575	274.00	17152	443.00	70704
120.00	369	194.00	1075	275.00	71752	444.00	7644
122.00	2882	195.00	461	276.00	11117	445.00	719

Report Date: 06-Aug-2025 10:14:17 Chrom Revision: 2.3 25-Jul-2025 13:52:40
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0600.D\MSSemi_HP23264.rslt\spectra
Injection Date: 06-Aug-2025 07:05:30
Spectrum: Tune Spec :Average 263-265(4.77-4.78) Bgrd 259(4.75) Apex 264(4.78)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 280

m/z	Y	m/z	Y	m/z	Y	m/z	Y
123.00	4213	196.00	9507	277.00	6035	446.00	281
124.00	1504	197.00	2875	278.00	597	447.00	84
125.00	1268	198.00	304768	282.00	1010	487.00	186

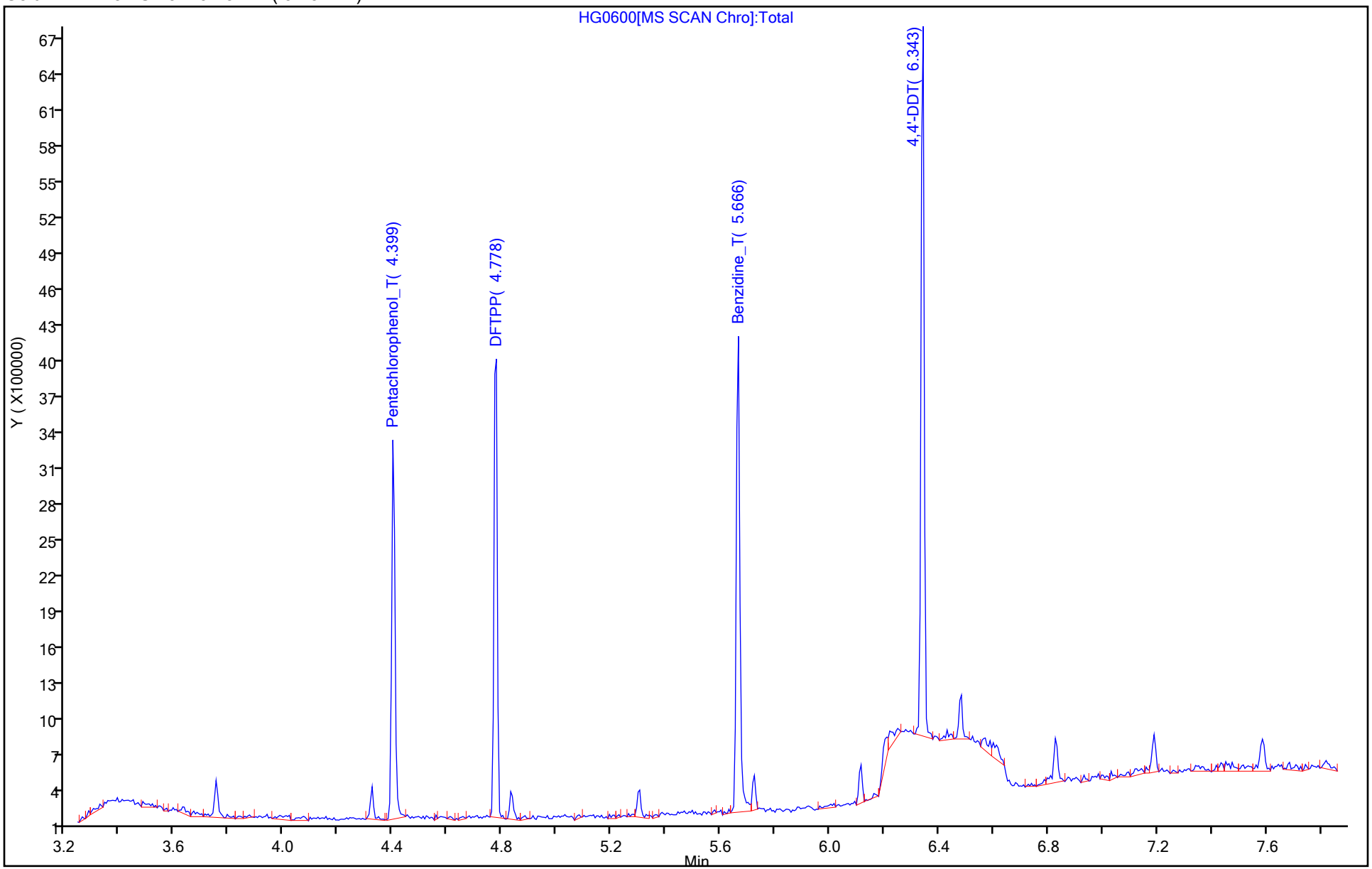
Report Date: 06-Aug-2025 10:14:17 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0600.D

Injection Date:	06-Aug-2025 07:05:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)

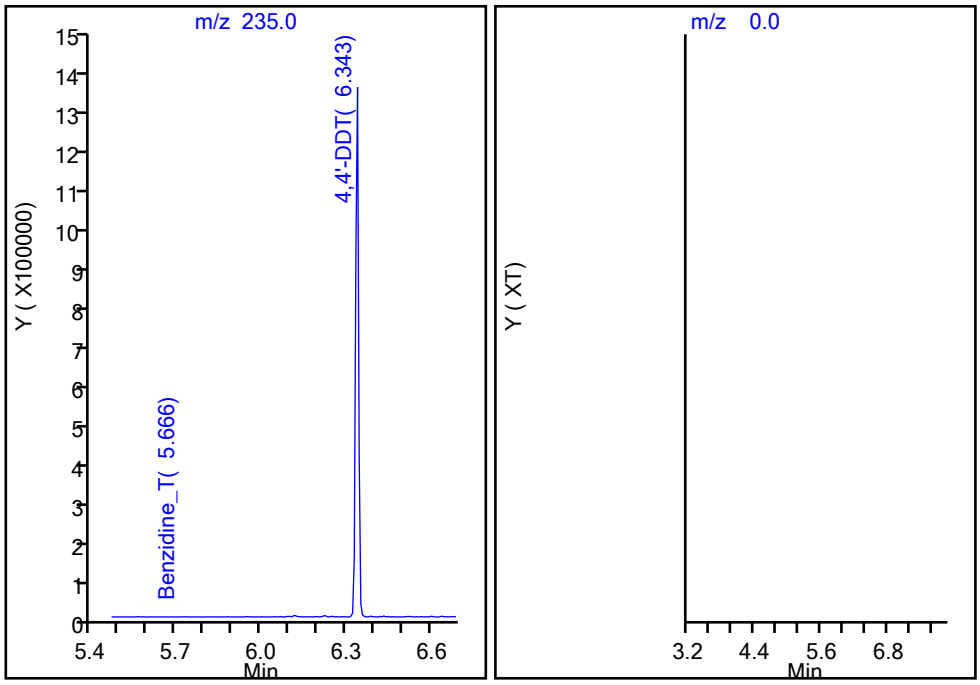


Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0600.D
Injection Date: 06-Aug-2025 07:05:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

209 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

209 4,4'-DDT, Area = 956327
210 4,4'-DDD, Area = 0
208 4,4'-DDE, Area = 0

%Breakdown: 0.00%, <= 20.00%
Passed

Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

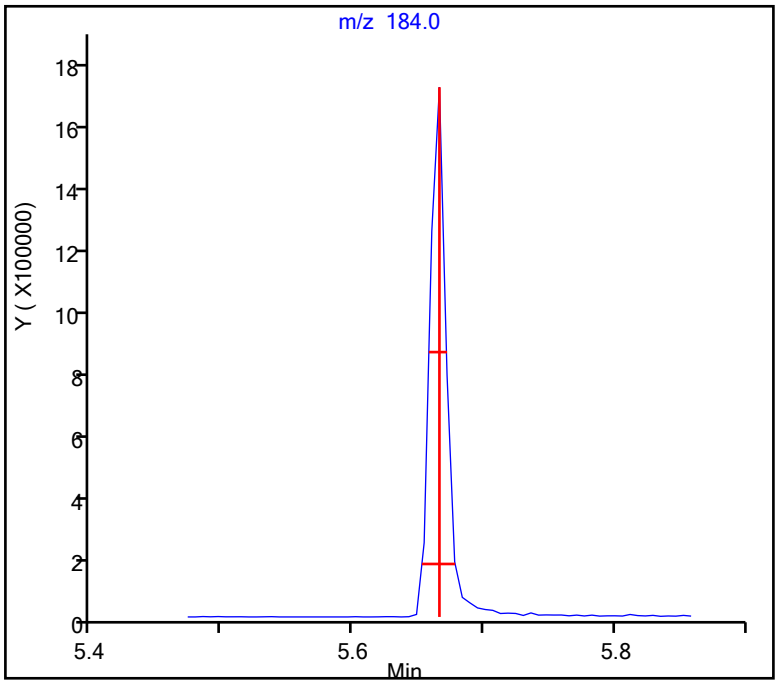
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0600.D
Injection Date: 06-Aug-2025 07:05:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 0.92, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

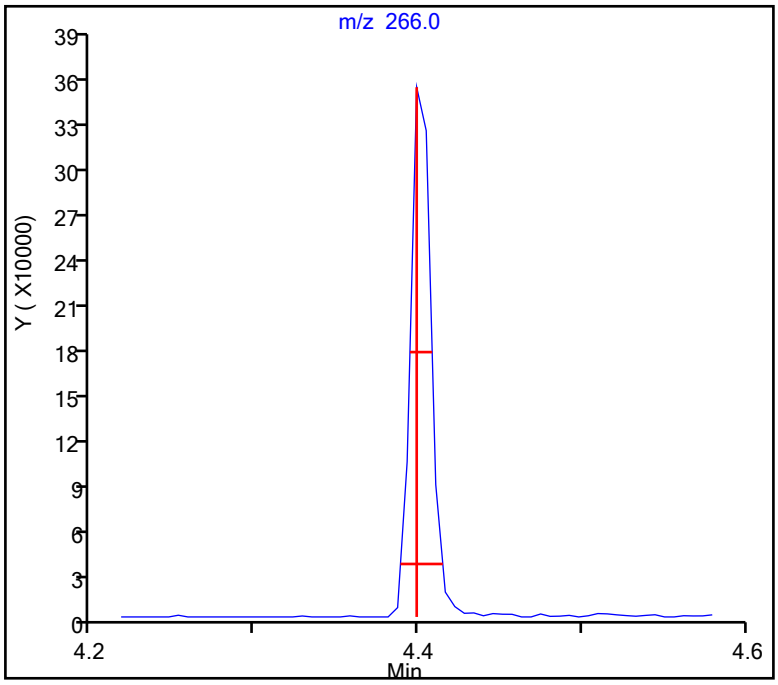
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0600.D
Injection Date: 06-Aug-2025 07:05:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

10 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.60, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0700.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 07-Aug-2025 07:48:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 10:51:09 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: W6ZA Date: 07-Aug-2025 08:04:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
10 Pentachlorophenol_T	266	4.399	4.399	0.000	92	295115	NR	NR	
14 Benzidine_T	184	5.660	5.660	0.000	99	1255512	NR	NR	
207 DFTPP									
208 4,4'-DDE	246		5.812					ND	U
209 4,4'-DDT	235	6.337	6.337	0.000	98	807728	NR	NR	
210 4,4'-DDD	235		6.337					ND	U

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

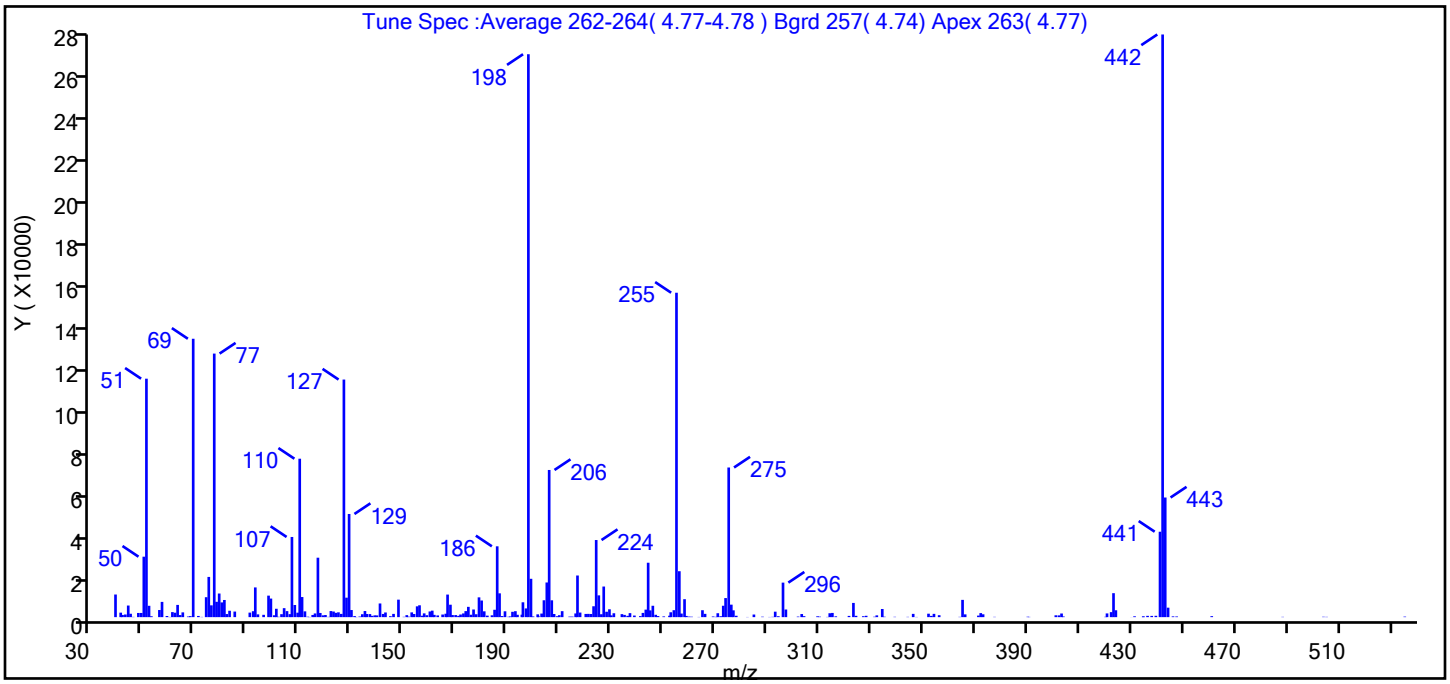
MSS_RVDFTPP_00018 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0700.D
Injection Date: 07-Aug-2025 07:48:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

207 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (96.6)
51	10-80% of the base peak	42.4
68	<2% of mass 69	0.2 (0.4)
69	Present	49.5
70	<2% of mass 69	0.0 (0.0)
127	10-80% of the base peak	42.2
197	<2% of mass 198	1.5
199	5-9% of mass 198	6.8
275	10-60% of the base peak	26.6
365	>1% of mass 198	3.1
441	present but <24% of mass 442	15.2 (14.7)
442	base peak, or >50% of 198	103.5
443	15-24% of mass 442	21.3 (20.5)

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0700.D\MSSemi_HP23264.rslt\spectra
Injection Date: 07-Aug-2025 07:48:30
Spectrum: Tune Spec :Average 262-264(4.77-4.78) Bgrd 257(4.74) Apex 263(4.77)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 277

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	10488	125.00	2229	200.00	320	292.00	140
41.00	2080	126.00	1505	202.00	1295	293.00	2535
42.00	1024	127.00	110104	202.00	592	294.00	423
43.00	1228	128.00	9022	203.00	1656	296.00	15997
44.00	5378	129.00	47808	204.00	7820	297.00	3540
45.00	1571	130.00	3294	205.00	16060	302.00	260
46.00	122	131.00	485	206.00	68200	303.00	1437
48.00	1935	132.00	92	207.00	7803	304.00	456
49.00	1941	133.00	278	208.00	1456	309.00	391
50.00	28016	134.00	1352	209.00	426	310.00	226
51.00	110504	135.00	2826	210.00	892	313.00	105
52.00	5260	136.00	1451	211.00	2770	314.00	1811
53.00	417	137.00	1419	214.00	250	315.00	1948
56.00	3302	138.00	604	215.00	255	316.00	371
57.00	7069	139.00	820	216.00	1714	321.00	578
59.00	525	140.00	790	217.00	19296	323.00	6588
60.00	90	141.00	6336	218.00	2125	324.00	613
61.00	2332	142.00	1479	220.00	1488	327.00	425
62.00	2051	143.00	2165	221.00	1512	328.00	631
63.00	5669	145.00	447	222.00	1466	331.00	194
64.00	962	146.00	1508	223.00	5042	332.00	822
65.00	2213	148.00	8106	224.00	35736	334.00	3774
67.00	292	150.00	149	225.00	10094	335.00	205
68.00	471	151.00	925	226.00	1350	339.00	153
69.00	129008	152.00	235	227.00	14186	344.00	131
71.00	549	153.00	2208	228.00	2495	346.00	1515
72.00	105	154.00	1460	229.00	3644	347.00	93
74.00	9239	155.00	5008	230.00	830	352.00	1597
75.00	18640	156.00	5492	231.00	1803	353.00	586
76.00	5471	157.00	659	234.00	1393	354.00	1524
77.00	122136	158.00	1745	235.00	1040	356.00	893
78.00	7105	159.00	899	236.00	609	364.00	135
79.00	10949	160.00	2629	237.00	1858	365.00	8004

Report Date: 07-Aug-2025 10:51:09 Chrom Revision: 2.3 25-Jul-2025 13:52:40
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0700.D\MSSemi_HP23264.rslt\spectra
Injection Date: 07-Aug-2025 07:48:30
Spectrum: Tune Spec :Average 262-264(4.77-4.78) Bgrd 257(4.74) Apex 263(4.77)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 277

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	6823	161.00	3011	239.00	736	366.00	1287
81.00	7954	162.00	1056	241.00	476	371.00	718
82.00	1431	163.00	788	242.00	1963	372.00	1868
83.00	2953	165.00	1213	243.00	3478	373.00	1317
85.00	2584	166.00	1577	244.00	25216	377.00	134
91.00	2098	167.00	10460	245.00	3131	390.00	183
92.00	2746	168.00	5762	246.00	5270	391.00	116
93.00	13770	169.00	970	247.00	1091	401.00	855
94.00	1284	170.00	963	248.00	507	402.00	808
96.00	1076	171.00	608	250.00	342	403.00	1690
98.00	9969	172.00	1219	252.00	662	404.00	311
99.00	8601	173.00	1718	253.00	2257	420.00	150
100.00	868	174.00	2792	254.00	3217	421.00	1724
101.00	3880	175.00	4773	255.00	150336	422.00	2317
102.00	175	176.00	1115	256.00	21280	423.00	11106
103.00	1374	177.00	3550	257.00	1663	424.00	3191
104.00	4162	178.00	1342	258.00	8314	430.00	28
105.00	2798	179.00	9171	259.00	562	431.00	387
106.00	1397	180.00	7710	260.00	259	435.00	211
107.00	37152	181.00	2694	261.00	202	435.00	367
108.00	5628	182.00	697	264.00	93	436.00	602
109.00	2070	184.00	850	265.00	3208	438.00	576
110.00	73416	185.00	3415	266.00	1522	440.00	624
111.00	9315	186.00	32824	269.00	307	441.00	39584
112.00	2682	187.00	11031	270.00	154	442.00	270016
113.00	206	188.00	503	271.00	1815	443.00	55440
114.00	85	189.00	2707	272.00	417	444.00	4390
115.00	1014	190.00	194	273.00	5276	446.00	354
116.00	1709	191.00	325	274.00	8838	448.00	315
117.00	27544	192.00	2478	275.00	69344	461.00	454
118.00	1938	193.00	2755	276.00	5789	488.00	133
119.00	836	194.00	1089	277.00	3150	504.00	181
120.00	979	196.00	1142	278.00	639	505.00	132
121.00	135	196.00	6884	282.00	83	535.00	242

Report Date: 07-Aug-2025 10:51:09 Chrom Revision: 2.3 25-Jul-2025 13:52:40
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0700.D\MSSemi_HP23264.rslt\spectra
Injection Date: 07-Aug-2025 07:48:30
Spectrum: Tune Spec :Average 262-264(4.77-4.78) Bgrd 257(4.74) Apex 263(4.77)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 277

m/z	Y	m/z	Y	m/z	Y	m/z	Y
122.00	2814	197.00	4039	285.00	1215		
123.00	2599	198.00	260864	288.00	208		
124.00	2005	199.00	17768	291.00	90		

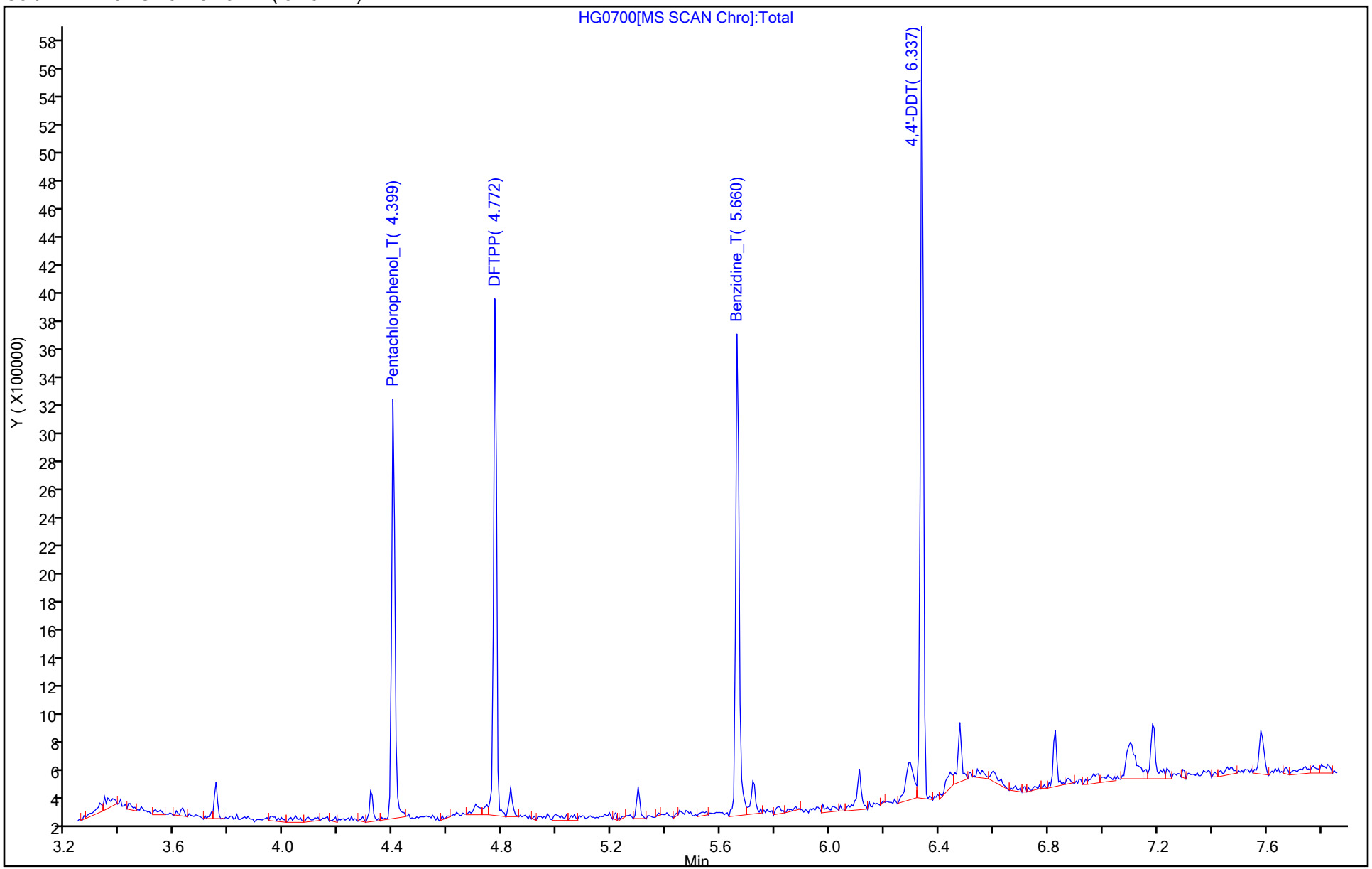
Report Date: 07-Aug-2025 10:51:09 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0700.D

Injection Date:	07-Aug-2025 07:48:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0700.D
Injection Date: 07-Aug-2025 07:48:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

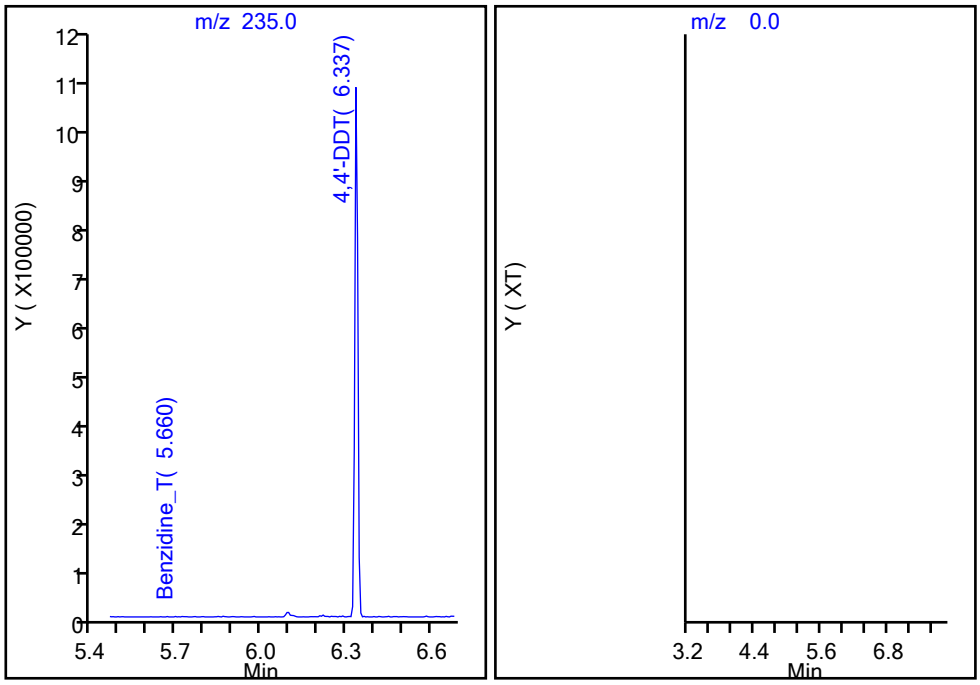
209 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

209 4,4'-DDT, Area = 807728
210 4,4'-DDD, Area = 0
208 4,4'-DDE, Area = 0

%Breakdown: 0.00%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

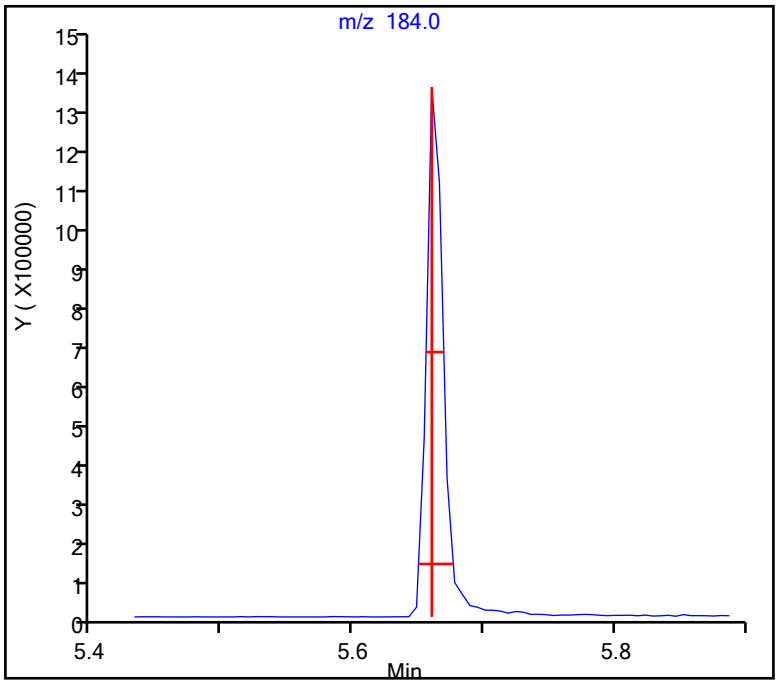
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0700.D
Injection Date: 07-Aug-2025 07:48:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.60, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

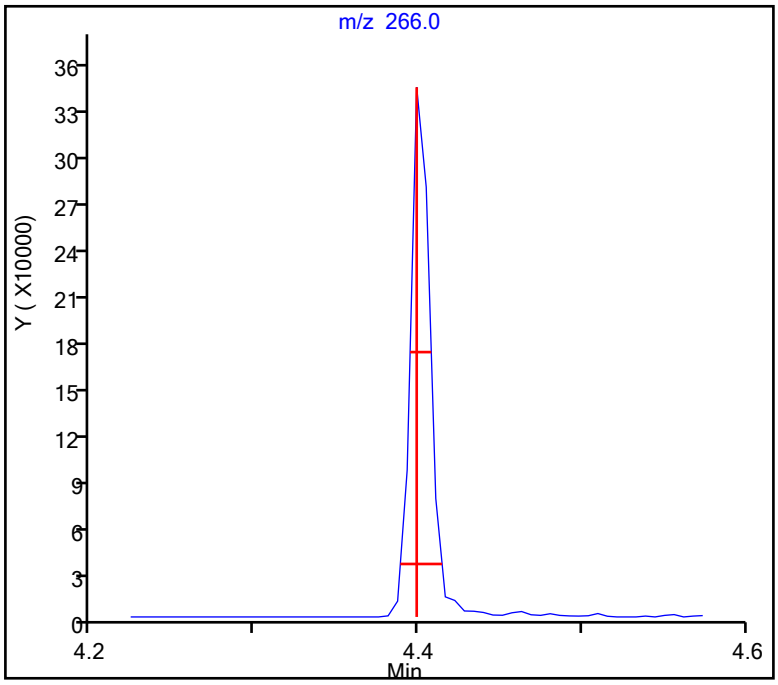
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0700.D
Injection Date: 07-Aug-2025 07:48:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

10 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.60, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-681120/1-A

Matrix: Water
Lab File ID: HG0611.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/05/2025 16:09

Sample wt/vol: 250(mL)
Date Analyzed: 08/06/2025 11:47

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 681375
Units: ug/L

Preparation Batch No.: 681120
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		10.0	2.00
99-65-0	1,3-Dinitrobenzene	ND		10.0	2.30
108-60-1	bis (2-chloroisopropyl) ether	ND		10.0	0.600
58-90-2	2,3,4,6-Tetrachlorophenol	ND		10.0	1.80
95-95-4	2,4,5-Trichlorophenol	ND		10.0	2.00
88-06-2	2,4,6-Trichlorophenol	ND		10.0	1.80
120-83-2	2,4-Dichlorophenol	ND		10.0	1.59
121-14-2	2,4-Dinitrotoluene	ND		10.0	2.10
87-65-0	2,6-Dichlorophenol	ND		10.0	1.40
606-20-2	2,6-Dinitrotoluene	ND		10.0	2.10
91-58-7	2-Chloronaphthalene	ND		10.0	0.500
95-57-8	2-Chlorophenol	ND		10.0	1.00
91-57-6	2-Methylnaphthalene	ND		10.0	0.290
95-48-7	o-Cresol	ND		10.0	0.960
88-74-4	2-Nitroaniline	ND		10.0	1.00
88-75-5	2-Nitrophenol	ND		10.0	1.27
101-55-3	4-Bromophenyl-phenylether	ND		10.0	0.560
59-50-7	4-Chloro-3-methylphenol	ND		10.0	1.00
7005-72-3	4-Chlorophenyl-phenyl ether	ND		10.0	0.600
106-44-5	m & p-Cresol	ND		20.0	2.47
99-55-8	5-Nitro-o-toluidine	ND		10.0	2.00
83-32-9	Acenaphthene	ND		10.0	0.350
208-96-8	Acenaphthylene	ND		10.0	0.480
120-12-7	Anthracene	ND		10.0	0.520
56-55-3	Benzo[a]anthracene	ND		10.0	0.450
50-32-8	Benzo[a]pyrene	ND		10.0	1.50
205-99-2	Benzo[b]fluoranthene	ND		10.0	1.20
191-24-2	Benzo[g,h,i]perylene	ND		10.0	0.420
207-08-9	Benzo[k]fluoranthene	ND		10.0	1.60
218-01-9	Chrysene	ND		10.0	0.310

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-681120/1-A

Matrix: Water
Lab File ID: HG0611.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/05/2025 16:09

Sample wt/vol: 250(mL)
Date Analyzed: 08/06/2025 11:47

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 681375
Units: ug/L

Preparation Batch No.: 681120
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2303-16-4	Diallate	ND		10.0	3.00
53-70-3	Dibenz(a,h)anthracene	ND		10.0	0.380
132-64-9	Dibenzofuran	ND		10.0	0.600
84-66-2	Diethyl phthalate	ND		10.0	2.00
60-51-5	Dimethoate	ND		10.0	3.00
62-50-0	Ethyl methanesulfonate	ND		10.0	1.10
206-44-0	Fluoranthene	ND		10.0	0.420
86-73-7	Fluorene	ND		10.0	0.380
118-74-1	Hexachlorobenzene	ND		10.0	0.870
1888-71-7	Hexachloropropene	ND		10.0	2.00
193-39-5	Indeno[1,2,3-cd]pyrene	ND		10.0	0.150
465-73-6	Isodrin	ND		10.0	1.10
143-50-0	Kepone	ND		50.0	25.0
55-18-5	N-Nitrosodiethylamine	ND		10.0	3.00
62-75-9	N-Nitrosodimethylamine	ND		10.0	2.00
86-30-6	n-Nitrosodiphenylamine(as diphenylamine)	ND		10.0	0.580
59-89-2	N-Nitrosomorpholine	ND		10.0	3.00
100-75-4	N-Nitrosopiperidine	ND		10.0	1.10
98-95-3	Nitrobenzene	ND		10.0	0.600
126-68-1	o,o',o''-Triethylphosphorothioate	ND		10.0	2.60
608-93-5	Pentachlorobenzene	ND		10.0	1.60
62-44-2	Phenacetin	ND		10.0	1.40
87-86-5	Pentachlorophenol	ND		10.0	3.00
85-01-8	Phenanthrene	ND		10.0	0.520
108-95-2	Phenol	ND		10.0	0.770
298-02-2	Phorate	ND		10.0	2.50
129-00-0	Pyrene	ND		10.0	0.410
94-59-7	Safrole, Total	ND		10.0	2.20
3689-24-5	Sulfotepp	ND		10.0	2.40

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-681120/1-A

Matrix: Water
Lab File ID: HG0611.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/05/2025 16:09

Sample wt/vol: 250(mL)
Date Analyzed: 08/06/2025 11:47

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 681375
Units: ug/L

Preparation Batch No.: 681120
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
297-97-2	O,O-Diethyl O-2-pyrazinyl phosphorothioate	ND		10.0	2.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		10.0	2.00

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	79		13-134
321-60-8	2-Fluorobiphenyl (Surr)	82		45-120
367-12-4	2-Fluorophenol (Surr)	51		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	63		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	98		26-123
4165-62-2	Phenol-d5 (Surr)	36		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0611.D
Lims ID: MB 410-681120/1-A
Client ID:
Sample Type: MB
Inject. Date: 06-Aug-2025 11:47:30 ALS Bottle#: 9 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-681120/1-A
Misc. Info.: 410-0155656-008
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 17:26:53 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: RN6U Date: 06-Aug-2025 17:09:02

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	2 N-Nitrosodimethylamine	74		1.560					ND	7
$	9 2-Fluorophenol	112	2.635	2.635	0.000	94	341676	25.0	12.7	
	11 N-Nitrosodiethylamine	102		2.839					ND	
	12 Ethyl methanesulfonate	109		3.143					ND	
$	15 Phenol-d5	99	3.563	3.563	0.000	95	364884	25.0	9.02	
	17 Aniline	93		3.575					ND	7
	16 Phenol	94		3.575					ND	7
	18 Bis(2-chloroethyl)ether	93		3.645					ND	7
	19 2-Chlorophenol	128		3.692					ND	7
	21 1,3-Dichlorobenzene	146		3.832					ND	7
*	22 1,4-Dichlorobenzene-d4	152	3.890	3.890	0.000	98	110599	5.00	5.00	
	23 1,4-Dichlorobenzene	146		3.908					ND	7
	26 Benzyl alcohol	108		4.048					ND	7
	27 1,2-Dichlorobenzene	146		4.054					ND	
	29 2-Methylphenol	108		4.171					ND	
	30 2,2'-oxybis[1-chloropropane]	45		4.176					ND	7
	31 N-Nitrosopyrrolidine	100		4.287					ND	7
	33 N-Nitrosodi-n-propylamine	70		4.305					ND	7
	35 N-Nitrosomorpholine	56		4.328					ND	
	34 4-Methylphenol	108		4.328					ND	7
	37 Hexachloroethane	117		4.375					ND	7
$	39 Nitrobenzene-d5	82	4.439	4.440	-0.006	88	760152	25.0	15.9	
	40 Nitrobenzene	77		4.462					ND	U
	41 N-Nitrosopiperidine	114		4.614					ND	
	42 Isophorone	82		4.702					ND	7
	43 2-Nitrophenol	139		4.772					ND	7
	44 2,4-Dimethylphenol	107		4.842					ND	
	46 o,o',o''-Triethylphosphorothioat	198		4.900					ND	
	47 Bis(2-chloroethoxy)methane	93		4.930					ND	
	48 Benzoic acid	105		4.941					ND	
	49 2,4-Dichlorophenol	162		5.017					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
50 1,2,4-Trichlorobenzene	180		5.081					ND	
* 52 Naphthalene-d8	136	5.128	5.134	-0.006	99	401849	5.00	5.00	
53 Naphthalene	128		5.151					ND	7
56 4-Chloroaniline	127		5.227					ND	
57 2,6-Dichlorophenol	162		5.227					ND	
58 Hexachloropropene	213		5.239					ND	
63 N-Nitrosodi-n-butylamine	84		5.560					ND	7
65 4-Chloro-3-methylphenol	107		5.724					ND	
66 Safrole, Total	162		5.759					ND	
67 2-Methylnaphthalene	142		5.823					ND	7
71 Hexachlorocyclopentadiene	237		5.975					ND	7
70 1,2,4,5-Tetrachlorobenzene	216		5.986					ND	7
79 2,4,6-Trichlorophenol	196		6.109					ND	
80 2,4,5-Trichlorophenol	196		6.150					ND	
$ 81 2-Fluorobiphenyl (Surr)	172	6.179	6.185	-0.006	100	1333922	25.0	20.4	
84 2-Chloronaphthalene	162		6.284					ND	7
87 2-Nitroaniline	138		6.407					ND	
90 Dimethyl phthalate	163		6.594					ND	7
91 1,3-Dinitrobenzene	168		6.617					ND	7
92 2,6-Dinitrotoluene	165		6.646					ND	U
93 Acenaphthylene	152		6.675					ND	7
95 3-Nitroaniline	138		6.804					ND	7
* 96 Acenaphthene-d10	164	6.810	6.810	0.000	95	230496	5.00	5.00	
97 Acenaphthene	153		6.845					ND	7
98 2,4-Dinitrophenol	184		6.909					ND	7
99 Pentachlorobenzene	250		6.973					ND	7
100 4-Nitrophenol	109		7.002					ND	7
101 Dibenzofuran	168		7.008					ND	7
102 2,4-Dinitrotoluene	165		7.026					ND	7
105 2,3,4,6-Tetrachlorophenol	232		7.143					ND	
107 Diethyl phthalate	149		7.265					ND	7
108 Fluorene	166		7.335					ND	
109 Thionazin	107		7.341					ND	7
110 4-Chlorophenyl phenyl ether	204		7.347					ND	
111 N-Nitro-o-toluidine	152		7.364					ND	
112 4-Nitroaniline	138		7.382					ND	
113 4,6-Dinitro-2-methylphenol	198		7.411					ND	7
114 N-Nitrosodiphenylamine	169		7.470					ND	U
115 1,2-Diphenylhydrazine	77		7.499					ND	
$ 116 2,4,6-Tribromophenol	330	7.563	7.569	-0.006	93	215787	25.0	19.7	
117 Sulfotepp	97		7.645					ND	7
120 cis-Diallate	86		7.750					ND	7
119 Phorate	75		7.756					ND	7
121 Phenacetin	108		7.791					ND	
122 4-Bromophenyl phenyl ether	248		7.808					ND	
123 trans-Diallate	86		7.826					ND	U
124 Hexachlorobenzene	284		7.855					ND	7
125 Dimethoate	87		7.919					ND	7
127 Pentachlorophenol	266		8.053					ND	
* 131 Phenanthrene-d10	188	8.211	8.217	-0.006	97	441022	5.00	5.00	
132 Phenanthrene	178		8.240					ND	7
135 Anthracene	178		8.287					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
136 Carbazole	167		8.462					ND	
138 Di-n-butyl phthalate	149		8.824					ND	7
143 Isodrin	193		9.215					ND	7
144 Fluoranthene	202		9.367					ND	7
145 Benzidine	184		9.525					ND	7
* 146 Pyrene-d10 (IS)	212	9.554	9.554	0.000	98	481661	5.00	5.00	
147 Pyrene	202		9.577					ND	U
S 68 Diallate	86		9.653					ND	7
$ 148 p-Terphenyl-d14	244	9.747	9.753	-0.006	98	1588597	25.0	24.4	
154 Kepone	272		10.214					ND	
153 Butyl benzyl phthalate	149		10.249					ND	7
156 Benzo[a]anthracene	228		10.763					ND	
157 3,3'-Dichlorobenzidine	252		10.769					ND	7
159 Chrysene	228		10.804					ND	
160 Bis(2-ethylhexyl) phthalate	149		10.880					ND	7
162 Di-n-octyl phthalate	149		11.650					ND	7
164 Benzo[b]fluoranthene	252		12.018					ND	7
165 Benzo[k]fluoranthene	252		12.053					ND	7
166 Benzo[a]pyrene	252		12.427					ND	U
* 167 Perylene-d12	264	12.497	12.509	-0.012	98	382450	5.00	5.00	
171 Indeno[1,2,3-cd]pyrene	276		13.939					ND	7
172 Dibenz(a,h)anthracene	278		13.986					ND	7
173 Benzo[g,h,i]perylene	276		14.290					ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

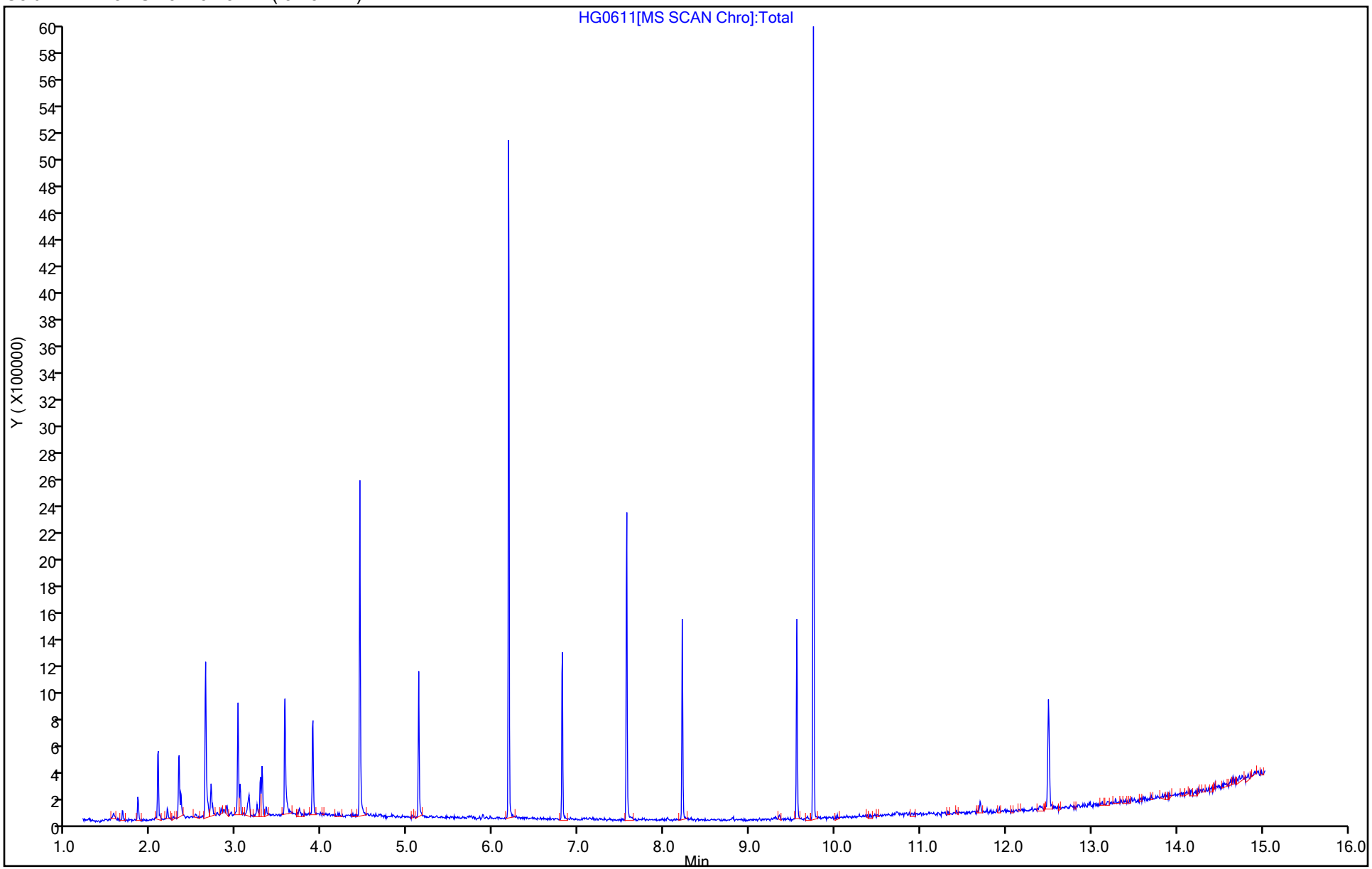
Report Date: 06-Aug-2025 17:27:08 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0611.D

Injection Date:	06-Aug-2025 11:47:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	MB 410-681120/1-A			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0611.D
Lims ID: MB 410-681120/1-A
Client ID:
Sample Type: MB
Inject. Date: 06-Aug-2025 11:47:30 ALS Bottle#: 9 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-681120/1-A
Misc. Info.: 410-0155656-008
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 17:26:53 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: RN6U Date: 06-Aug-2025 17:09:02

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	12.7	50.61
$ 15 Phenol-d5	25.0	9.02	36.07
$ 39 Nitrobenzene-d5	25.0	15.9	63.43
$ 81 2-Fluorobiphenyl (Surr)	25.0	20.4	81.52
$ 116 2,4,6-Tribromophenol	25.0	19.7	78.69
$ 148 p-Terphenyl-d14	25.0	24.4	97.76

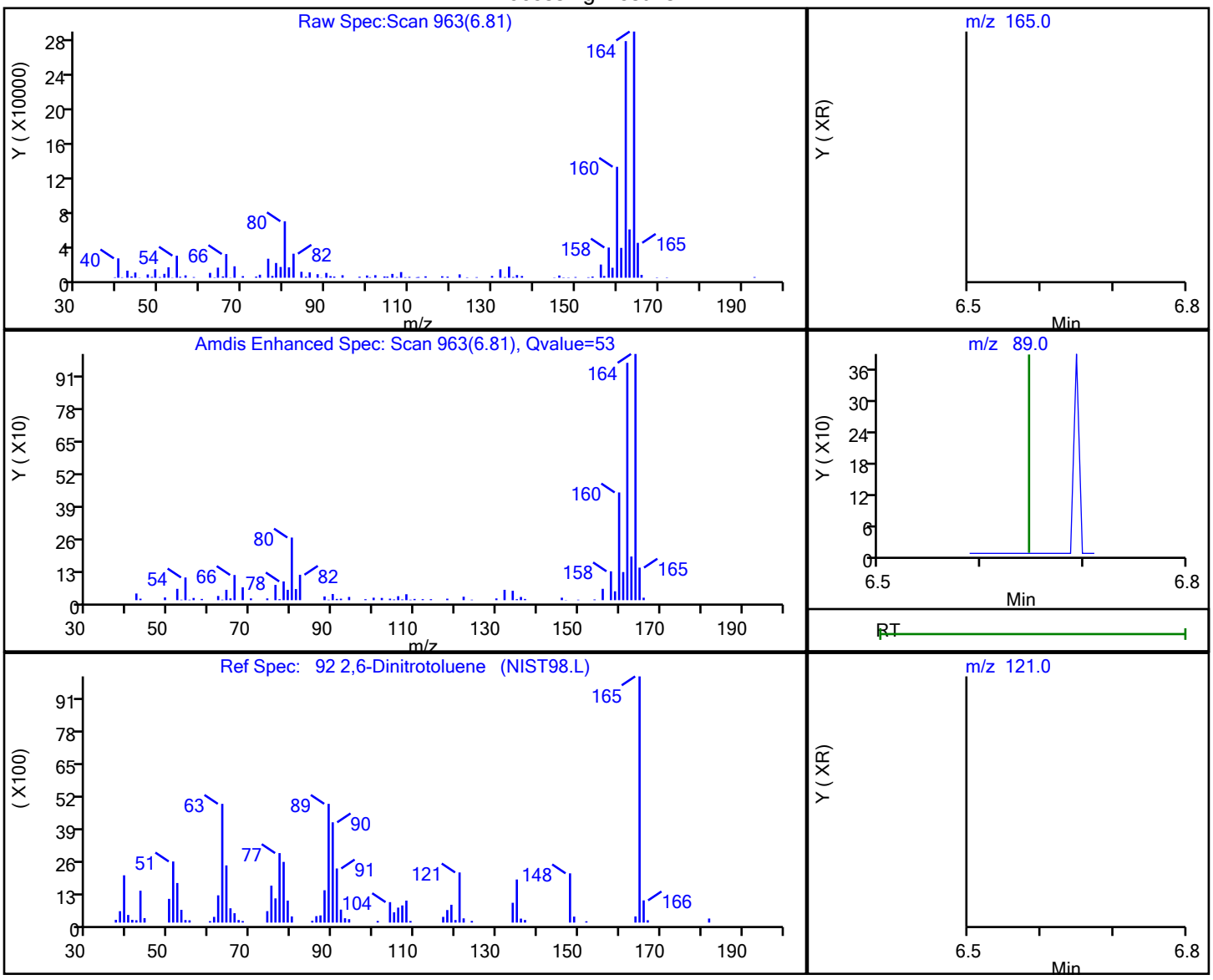
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0611.D				
Injection Date:	06-Aug-2025 11:47:30	Instrument ID:	HP23264		
Lims ID:	MB 410-681120/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

92 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
6.81	165.00	31215	2.208103
6.80	89.00	542	
6.82	121.00	194	
6.80	63.00	846	

Reviewer: RN6U, 06-Aug-2025 17:08:21 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

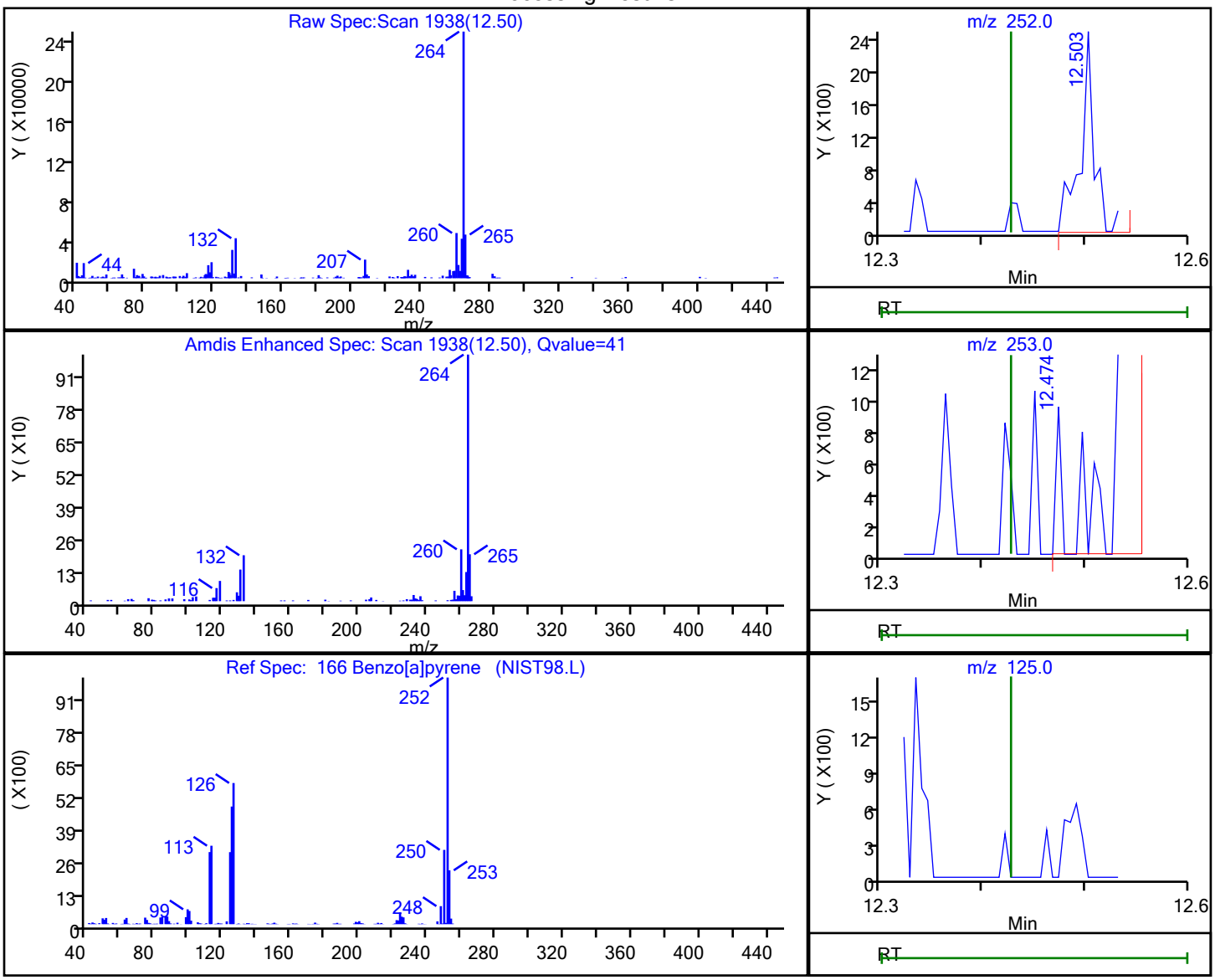
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0611.D				
Injection Date:	06-Aug-2025 11:47:30	Instrument ID:	HP23264		
Lims ID:	MB 410-681120/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

166 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.50	252.00	2520	0.028355
12.47	253.00	1360	
12.49	125.00	641	

Reviewer: RN6U, 06-Aug-2025 17:08:57 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

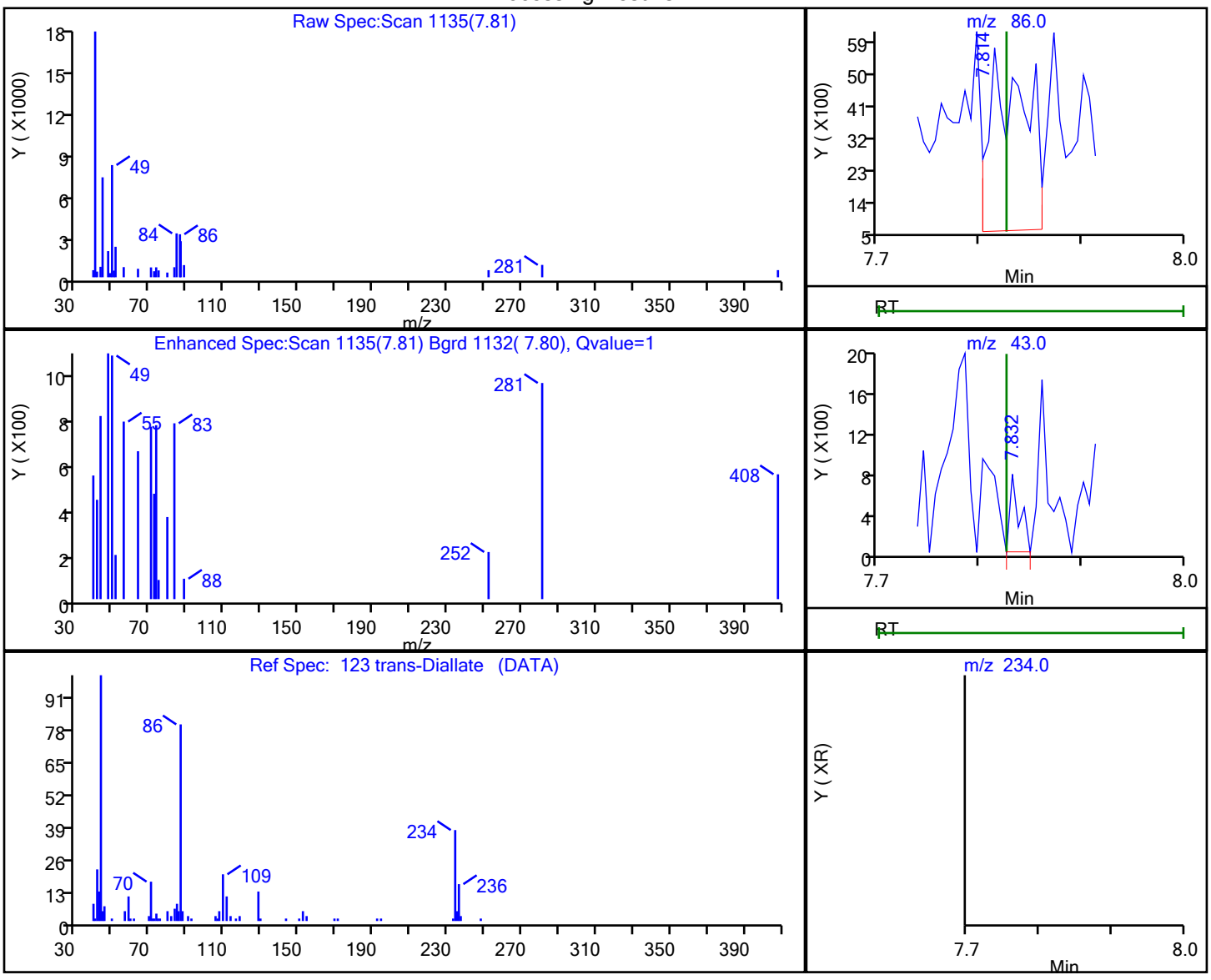
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0611.D				
Injection Date:	06-Aug-2025 11:47:30	Instrument ID:	HP23264		
Lims ID:	MB 410-681120/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

123 trans-Diallate, CAS: 17708-58-6

Processing Results



RT	Mass	Response	Amount
7.81	86.00	12100	0.347037
7.83	43.00	513	
7.83	234.00	0	

Reviewer: RN6U, 06-Aug-2025 17:08:40 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

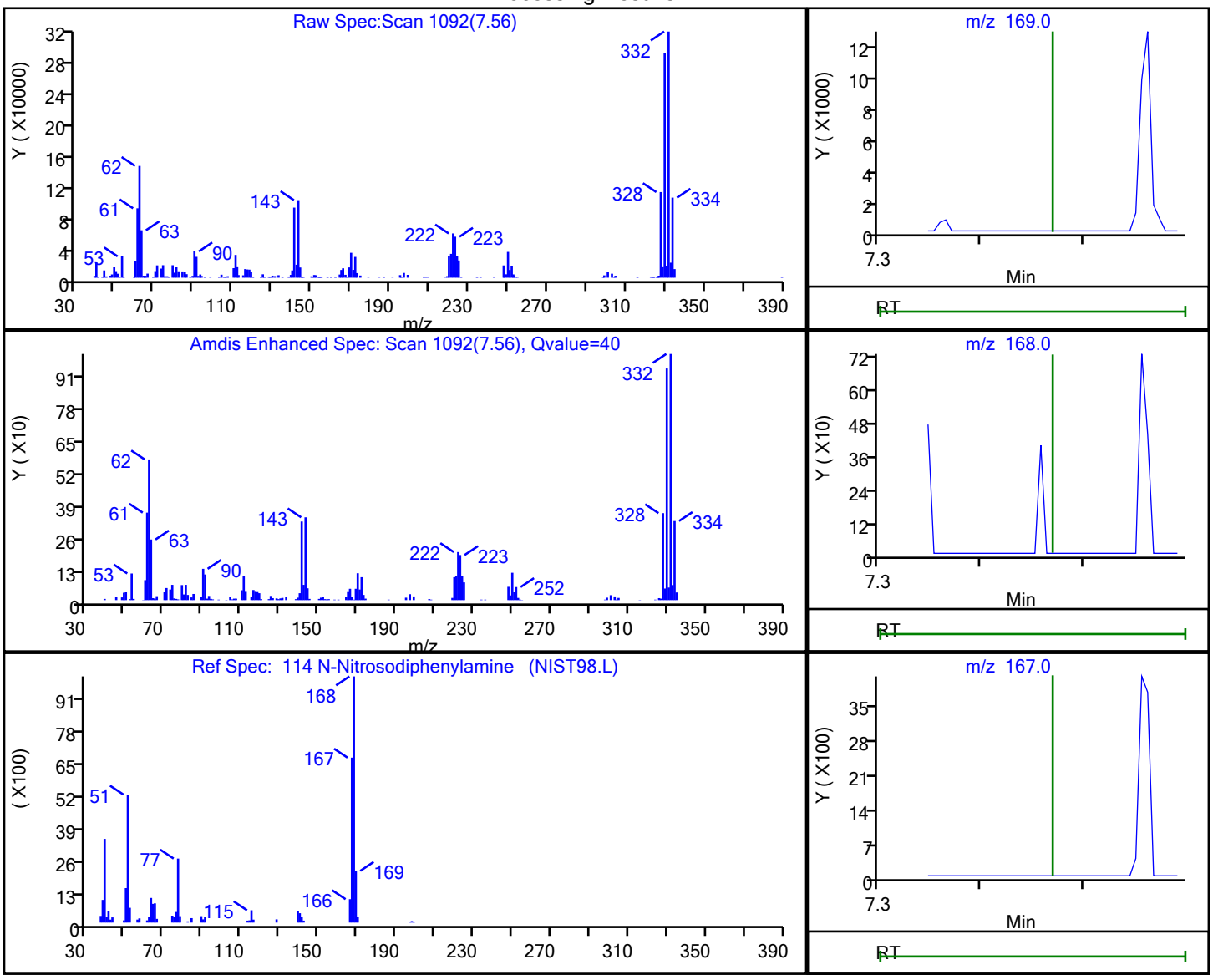
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0611.D				
Injection Date:	06-Aug-2025 11:47:30	Instrument ID:	HP23264		
Lims ID:	MB 410-681120/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

114 N-Nitrosodiphenylamine, CAS: 86-30-6

Processing Results



RT	Mass	Response	Amount
7.56	169.00	9289	0.181422
7.56	168.00	407	
7.56	167.00	2821	

Reviewer: RN6U, 06-Aug-2025 17:08:33 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

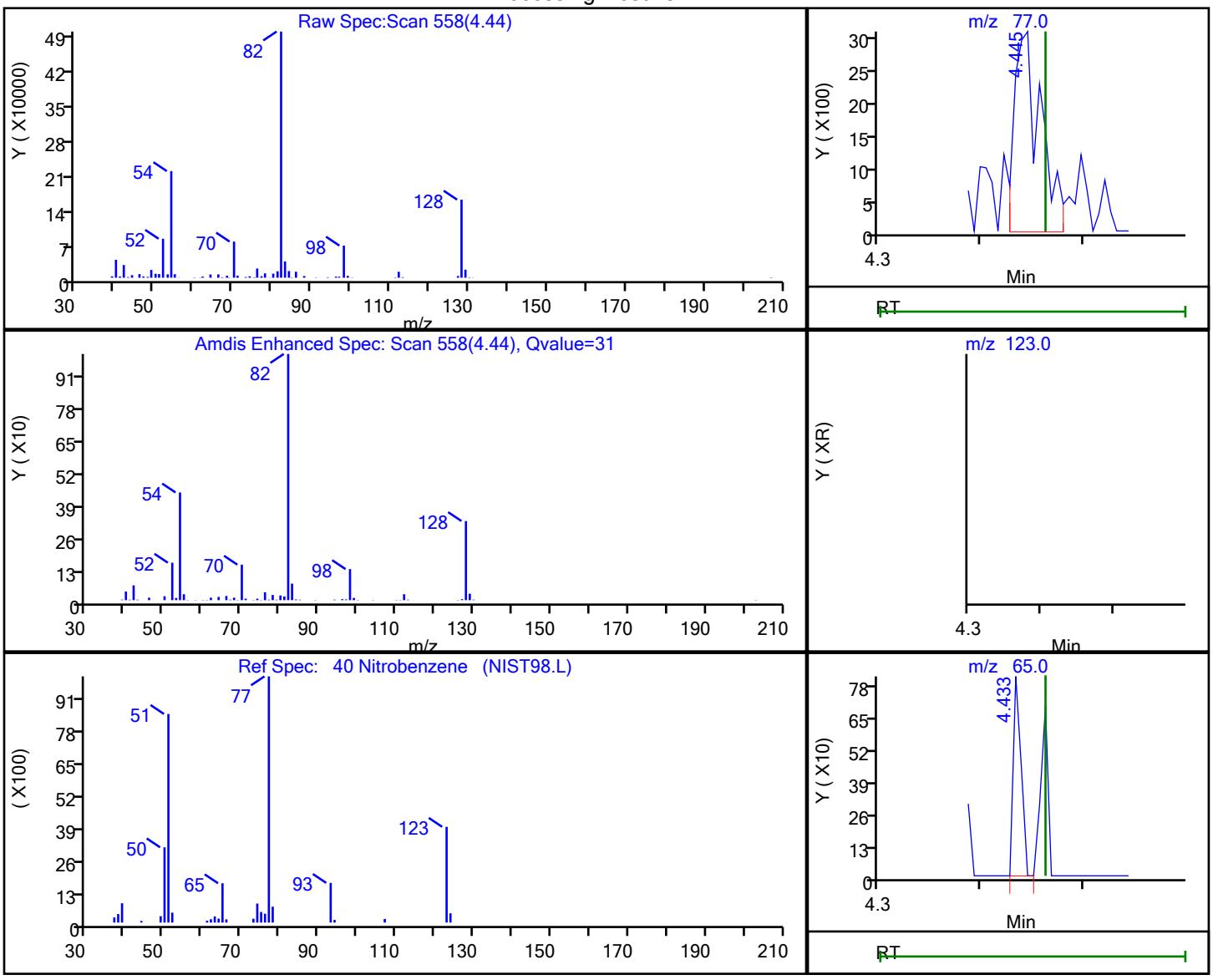
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0611.D				
Injection Date:	06-Aug-2025 11:47:30	Instrument ID:	HP23264		
Lims ID:	MB 410-681120/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.44	77.00	5212	0.104461
4.46	123.00	0	
4.43	65.00	433	

Reviewer: RN6U, 06-Aug-2025 17:08:04 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

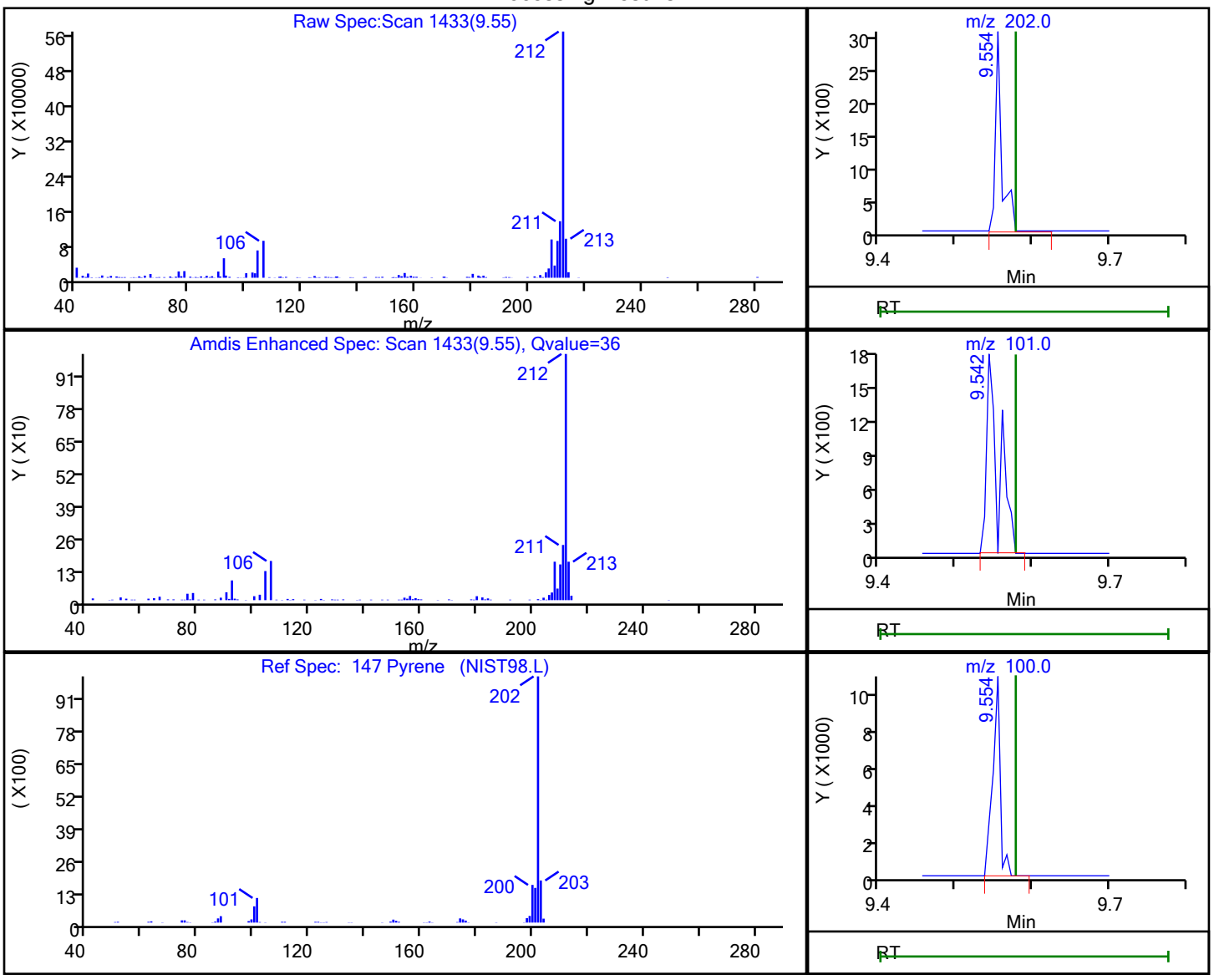
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0611.D				
Injection Date:	06-Aug-2025 11:47:30	Instrument ID:	HP23264		
Lims ID:	MB 410-681120/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

147 Pyrene, CAS: 129-00-0

Processing Results



RT	Mass	Response	Amount
9.55	202.00	1779	0.015114
9.54	101.00	1941	
9.55	100.00	7065	
9.55	203.00	1092	

Reviewer: RN6U, 06-Aug-2025 17:08:49 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-681385/1-A

Matrix: Water
Lab File ID: HG0707.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 250(mL)
Date Analyzed: 08/07/2025 10:30

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		10.0	2.00
99-65-0	1,3-Dinitrobenzene	ND		10.0	2.30
108-60-1	bis (2-chloroisopropyl) ether	ND		10.0	0.600
58-90-2	2,3,4,6-Tetrachlorophenol	ND		10.0	1.80
95-95-4	2,4,5-Trichlorophenol	ND		10.0	2.00
88-06-2	2,4,6-Trichlorophenol	ND		10.0	1.80
120-83-2	2,4-Dichlorophenol	ND		10.0	1.59
121-14-2	2,4-Dinitrotoluene	ND		10.0	2.10
87-65-0	2,6-Dichlorophenol	ND		10.0	1.40
606-20-2	2,6-Dinitrotoluene	ND		10.0	2.10
91-58-7	2-Chloronaphthalene	ND		10.0	0.500
95-57-8	2-Chlorophenol	ND		10.0	1.00
91-57-6	2-Methylnaphthalene	ND		10.0	0.290
95-48-7	o-Cresol	ND		10.0	0.960
88-74-4	2-Nitroaniline	ND		10.0	1.00
88-75-5	2-Nitrophenol	ND		10.0	1.27
101-55-3	4-Bromophenyl-phenylether	ND		10.0	0.560
59-50-7	4-Chloro-3-methylphenol	ND		10.0	1.00
7005-72-3	4-Chlorophenyl-phenyl ether	ND		10.0	0.600
106-44-5	m & p-Cresol	ND		20.0	2.47
99-55-8	5-Nitro-o-toluidine	ND		10.0	2.00
83-32-9	Acenaphthene	ND		10.0	0.350
208-96-8	Acenaphthylene	ND		10.0	0.480
120-12-7	Anthracene	ND		10.0	0.520
56-55-3	Benzo[a]anthracene	ND		10.0	0.450
50-32-8	Benzo[a]pyrene	ND		10.0	1.50
205-99-2	Benzo[b]fluoranthene	ND		10.0	1.20
191-24-2	Benzo[g,h,i]perylene	ND		10.0	0.420
207-08-9	Benzo[k]fluoranthene	ND		10.0	1.60
218-01-9	Chrysene	ND		10.0	0.310

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-681385/1-A

Matrix: Water
Lab File ID: HG0707.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 250(mL)
Date Analyzed: 08/07/2025 10:30

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2303-16-4	Diallate	ND		10.0	3.00
53-70-3	Dibenz(a,h)anthracene	ND		10.0	0.380
132-64-9	Dibenzofuran	ND		10.0	0.600
84-66-2	Diethyl phthalate	ND		10.0	2.00
60-51-5	Dimethoate	ND		10.0	3.00
62-50-0	Ethyl methanesulfonate	ND		10.0	1.10
206-44-0	Fluoranthene	ND		10.0	0.420
86-73-7	Fluorene	ND		10.0	0.380
118-74-1	Hexachlorobenzene	ND		10.0	0.870
1888-71-7	Hexachloropropene	ND		10.0	2.00
193-39-5	Indeno[1,2,3-cd]pyrene	ND		10.0	0.150
465-73-6	Isodrin	ND		10.0	1.10
143-50-0	Kepone	ND		50.0	25.0
55-18-5	N-Nitrosodiethylamine	ND		10.0	3.00
62-75-9	N-Nitrosodimethylamine	ND		10.0	2.00
86-30-6	n-Nitrosodiphenylamine(as diphenylamine)	ND		10.0	0.580
59-89-2	N-Nitrosomorpholine	ND		10.0	3.00
100-75-4	N-Nitrosopiperidine	ND		10.0	1.10
98-95-3	Nitrobenzene	ND		10.0	0.600
126-68-1	o,o',o''-Triethylphosphorothioate	ND		10.0	2.60
608-93-5	Pentachlorobenzene	ND		10.0	1.60
62-44-2	Phenacetin	ND		10.0	1.40
87-86-5	Pentachlorophenol	ND		10.0	3.00
85-01-8	Phenanthrene	ND		10.0	0.520
108-95-2	Phenol	ND		10.0	0.770
298-02-2	Phorate	ND		10.0	2.50
129-00-0	Pyrene	ND		10.0	0.410
94-59-7	Safrole, Total	ND		10.0	2.20
3689-24-5	Sulfotepp	ND		10.0	2.40

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-681385/1-A

Matrix: Water
Lab File ID: HG0707.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 250(mL)
Date Analyzed: 08/07/2025 10:30

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
297-97-2	O,O-Diethyl O-2-pyrazinyl phosphorothioate	ND		10.0	2.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		10.0	2.00

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	81		13-134
321-60-8	2-Fluorobiphenyl (Surr)	75		45-120
367-12-4	2-Fluorophenol (Surr)	66		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	75		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	102		26-123
4165-62-2	Phenol-d5 (Surr)	45		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0707.D
Lims ID: MB 410-681385/1-A
Client ID:
Sample Type: MB
Inject. Date: 07-Aug-2025 10:30:30 ALS Bottle#: 7 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-681385/1-A
Misc. Info.: 410-0155808-008
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 15:55:44 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 15:16:42

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	2 N-Nitrosodimethylamine	74		1.549					ND	7
	3 Pyridine	79		1.590					ND	
$	9 2-Fluorophenol	112	2.635	2.637	-0.006	93	354567	25.0	16.6	
	11 N-Nitrosodiethylamine	102		2.833					ND	
	12 Ethyl methanesulfonate	109		3.143					ND	
	13 Benzaldehyde	77		3.464					ND	7
$	15 Phenol-d5	99	3.569	3.564	0.000	94	360814	25.0	11.2	
	16 Phenol	94		3.581					ND	7
	18 Bis(2-chloroethyl)ether	93		3.645					ND	7
	19 2-Chlorophenol	128		3.692					ND	7
	21 1,3-Dichlorobenzene	146		3.832					ND	
*	22 1,4-Dichlorobenzene-d4	152	3.890	3.890	0.000	96	87701	5.00	5.00	
	23 1,4-Dichlorobenzene	146		3.908					ND	7
	26 Benzyl alcohol	108		4.048					ND	
	27 1,2-Dichlorobenzene	146		4.054					ND	7
	29 2-Methylphenol	108		4.176					ND	
	30 2,2'-oxybis[1-chloropropane]	45		4.176					ND	7
	32 Acetophenone	105		4.299					ND	7
	33 N-Nitrosodi-n-propylamine	70		4.305					ND	7
	35 N-Nitrosomorpholine	56		4.328					ND	
	34 4-Methylphenol	108		4.334					ND	
	37 Hexachloroethane	117		4.375					ND	
$	39 Nitrobenzene-d5	82	4.439	4.439	0.000	90	727973	25.0	18.8	
	40 Nitrobenzene	77		4.462					ND	U
	41 N-Nitrosopiperidine	114		4.608					ND	
	42 Isophorone	82		4.702					ND	7
	43 2-Nitrophenol	139		4.772					ND	7
	44 2,4-Dimethylphenol	107		4.842					ND	7
	46 o,o',o''-Triethylphosphorothioat	198		4.900					ND	
	47 Bis(2-chloroethoxy)methane	93		4.924					ND	
	48 Benzoic acid	105		4.953					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
49 2,4-Dichlorophenol	162		5.017					ND	7
50 1,2,4-Trichlorobenzene	180		5.081					ND	
* 52 Naphthalene-d8	136	5.128	5.128	0.000	99	324979	5.00	5.00	
53 Naphthalene	128		5.151					ND	7
56 4-Chloroaniline	127		5.227					ND	
57 2,6-Dichlorophenol	162		5.227					ND	7
58 Hexachloropropene	213		5.233					ND	
59 Hexachlorobutadiene	225		5.280					ND	
62 Caprolactam	113		5.566					ND	
65 4-Chloro-3-methylphenol	107		5.730					ND	7
66 Safrole, Total	162		5.753					ND	
67 2-Methylnaphthalene	142		5.823					ND	7
69 1-Methylnaphthalene	142		5.911					ND	7
71 Hexachlorocyclopentadiene	237		5.975					ND	
70 1,2,4,5-Tetrachlorobenzene	216		5.986					ND	
79 2,4,6-Trichlorophenol	196		6.109					ND	
80 2,4,5-Trichlorophenol	196		6.156					ND	
$ 81 2-Fluorobiphenyl (Surr)	172	6.179	6.185	-0.006	100	1040290	25.0	18.7	
83 1,1'-Biphenyl	154		6.273					ND	7
84 2-Chloronaphthalene	162		6.284					ND	7
87 2-Nitroaniline	138		6.407					ND	
90 Dimethyl phthalate	163		6.588					ND	7
91 1,3-Dinitrobenzene	168		6.617					ND	7
92 2,6-Dinitrotoluene	165		6.646					ND	U
93 Acenaphthylene	152		6.675					ND	7
95 3-Nitroaniline	138		6.804					ND	7
* 96 Acenaphthene-d10	164	6.804	6.804	0.000	96	195955	5.00	5.00	
97 Acenaphthene	153		6.839					ND	7
98 2,4-Dinitrophenol	184		6.903					ND	
99 Pentachlorobenzene	250		6.967					ND	
101 Dibenzofuran	168		7.008					ND	
100 4-Nitrophenol	109		7.014					ND	
102 2,4-Dinitrotoluene	165		7.026					ND	7
105 2,3,4,6-Tetrachlorophenol	232		7.143					ND	7
107 Diethyl phthalate	149		7.265					ND	7
108 Fluorene	166		7.329					ND	
109 Thionazin	107		7.335					ND	7
110 4-Chlorophenyl phenyl ether	204		7.347					ND	
111 N-Nitro-o-toluidine	152		7.364					ND	
112 4-Nitroaniline	138		7.382					ND	
113 4,6-Dinitro-2-methylphenol	198		7.405					ND	7
114 N-Nitrosodiphenylamine	169		7.464					ND	
115 1,2-Diphenylhydrazine	77		7.493					ND	
$ 116 2,4,6-Tribromophenol	330	7.563	7.563	0.000	91	188739	25.0	20.2	
117 Sulfotepp	97		7.639					ND	7
120 cis-Diallate	86		7.744					ND	U
119 Phorate	75		7.750					ND	7
121 Phenacetin	108		7.785					ND	
122 4-Bromophenyl phenyl ether	248		7.808					ND	
123 trans-Diallate	86		7.826					ND	7
124 Hexachlorobenzene	284		7.849					ND	
125 Dimethoate	87		7.919					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
126 Atrazine	200		7.995					ND	
127 Pentachlorophenol	266		8.053					ND	
* 131 Phenanthrene-d10	188	8.211	8.211	0.000	98	353782	5.00	5.00	
132 Phenanthrene	178		8.234					ND	
135 Anthracene	178		8.287					ND	
136 Carbazole	167		8.456					ND	
138 Di-n-butyl phthalate	149		8.824					ND	7
143 Isodrin	193		9.215					ND	U
144 Fluoranthene	202		9.361					ND	7
* 146 Pyrene-d10 (IS)	212	9.554	9.554	0.000	98	368740	5.00	5.00	
147 Pyrene	202		9.572					ND	7
S 68 Diallate	86		9.653					ND	7
$ 148 p-Terphenyl-d14	244	9.747	9.747	-0.006	98	1263842	25.0	25.4	
154 Kepone	272		10.208					ND	
153 Butyl benzyl phthalate	149		10.243					ND	7
156 Benzo[a]anthracene	228		10.763					ND	
157 3,3'-Dichlorobenzidine	252		10.763					ND	7
159 Chrysene	228		10.798					ND	
160 Bis(2-ethylhexyl) phthalate	149		10.874					ND	7
162 Di-n-octyl phthalate	149		11.650					ND	7
164 Benzo[b]fluoranthene	252		12.018					ND	U
165 Benzo[k]fluoranthene	252		12.047					ND	7
166 Benzo[a]pyrene	252		12.427					ND	U
* 167 Perylene-d12	264	12.497	12.497	0.000	98	292304	5.00	5.00	
171 Indeno[1,2,3-cd]pyrene	276		13.939					ND	
172 Dibenz(a,h)anthracene	278		13.980					ND	7
173 Benzo[g,h,i]perylene	276		14.284					ND	7
S 340 Diphenylamine	169		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

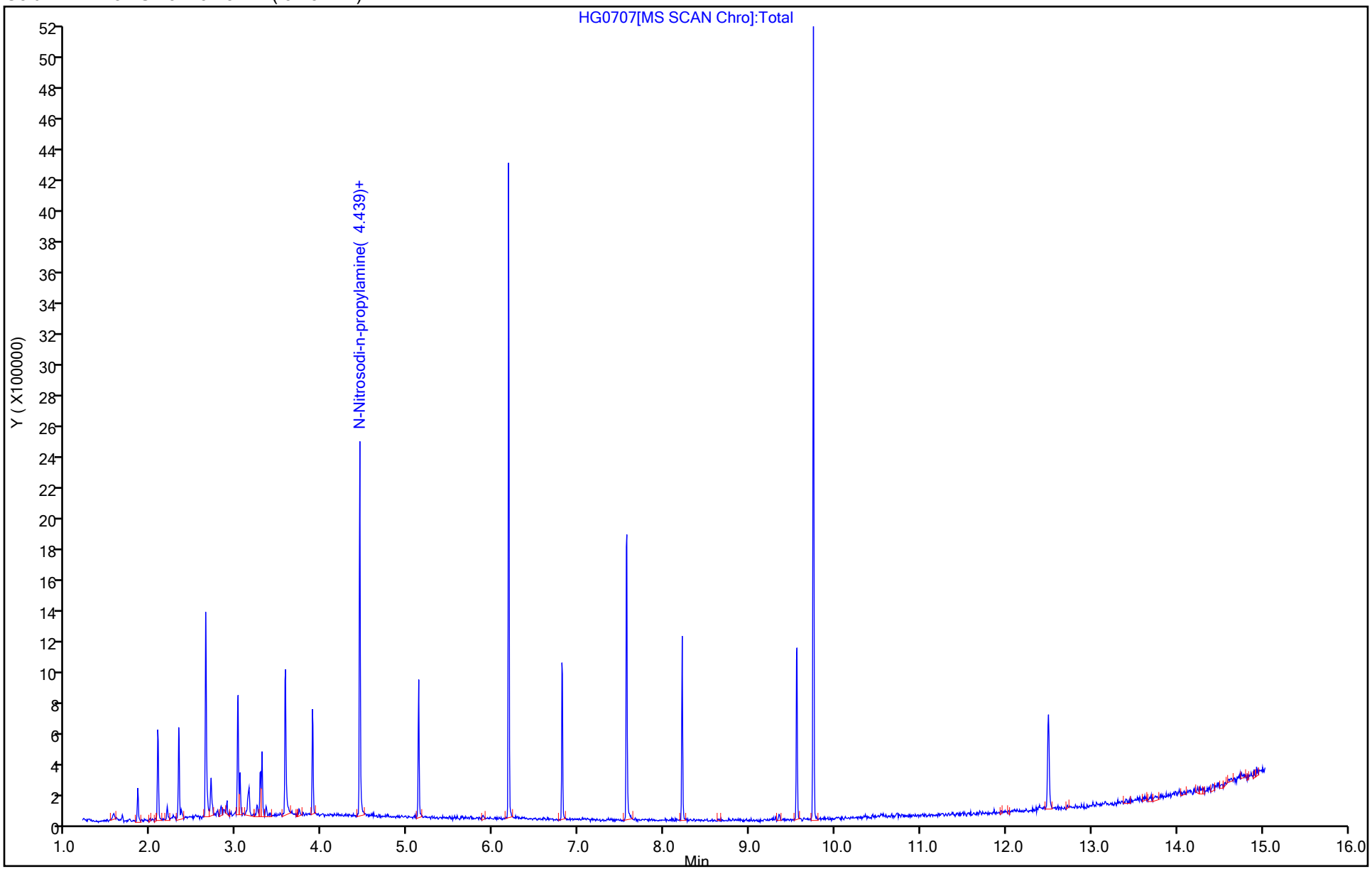
Report Date: 07-Aug-2025 19:27:22 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0707.D

Injection Date:	07-Aug-2025 10:30:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	MB 410-681385/1-A			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0707.D
Lims ID: MB 410-681385/1-A
Client ID:
Sample Type: MB
Inject. Date: 07-Aug-2025 10:30:30 ALS Bottle#: 7 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-681385/1-A
Misc. Info.: 410-0155808-008
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 15:55:44 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 15:16:42

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	16.6	66.24
$ 15 Phenol-d5	25.0	11.2	44.98
$ 39 Nitrobenzene-d5	25.0	18.8	75.11
$ 81 2-Fluorobiphenyl (Surr)	25.0	18.7	74.78
$ 116 2,4,6-Tribromophenol	25.0	20.2	80.96
$ 148 p-Terphenyl-d14	25.0	25.4	101.59

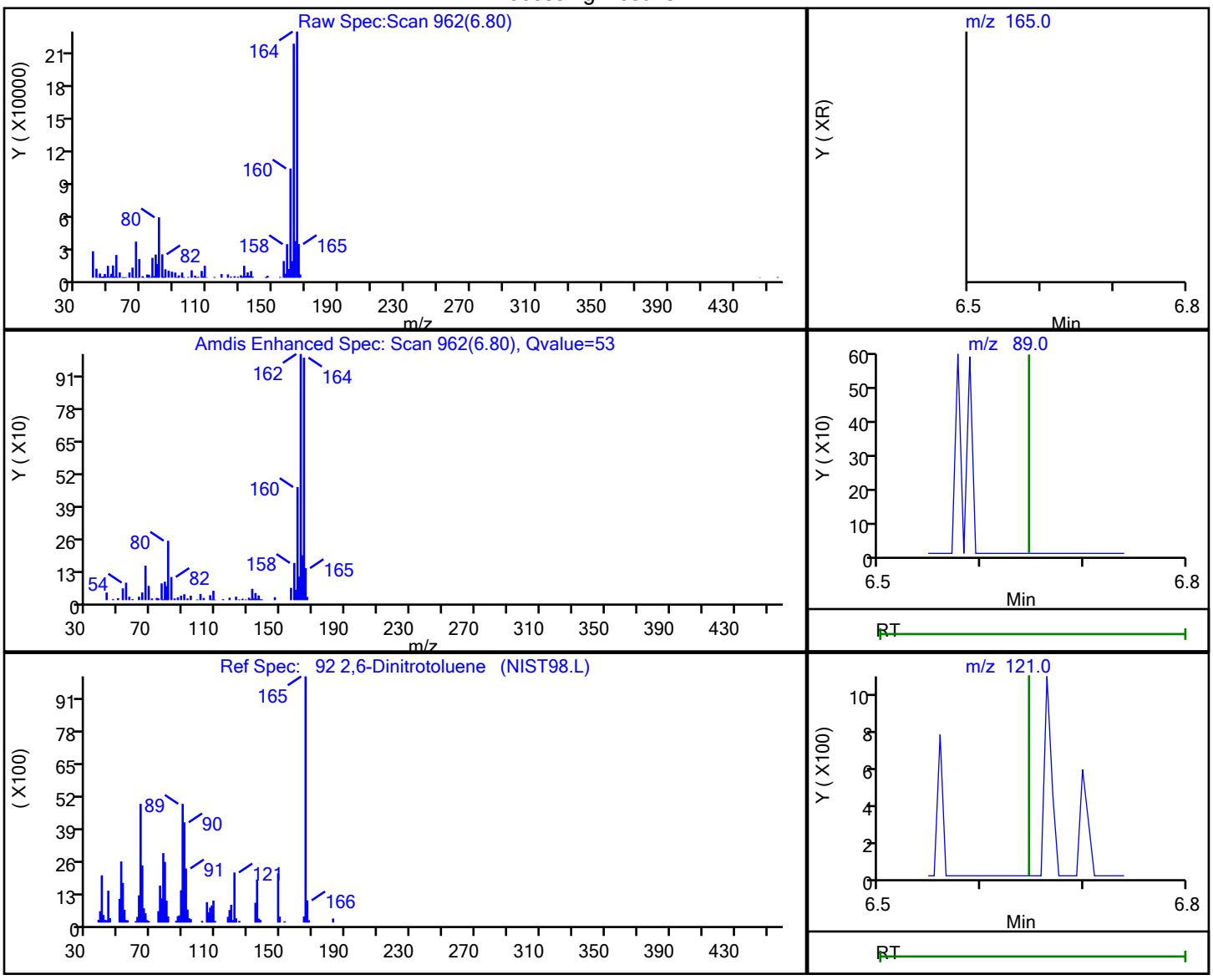
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0707.D				
Injection Date:	07-Aug-2025 10:30:30	Instrument ID:	HP23264		
Lims ID:	MB 410-681385/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

92 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
6.80	165.00	25114	2.089676
6.65	89.00	0	
6.65	121.00	0	
6.82	63.00	253	

Reviewer: RN6U, 07-Aug-2025 15:14:34 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

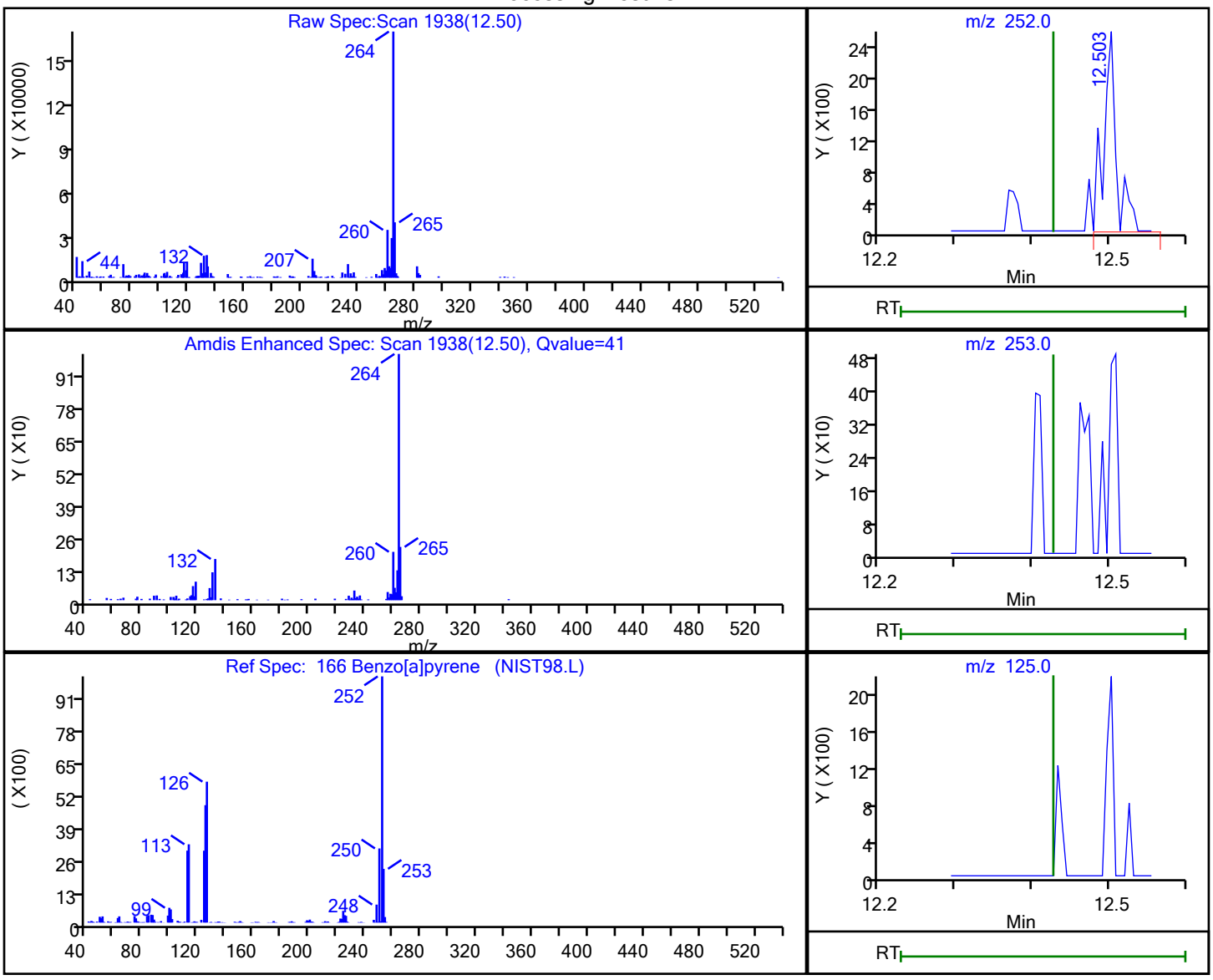
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0707.D				
Injection Date:	07-Aug-2025 10:30:30	Instrument ID:	HP23264		
Lims ID:	MB 410-681385/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

166 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.50	252.00	3098	0.045609
12.51	253.00	334	
12.43	125.00	0	

Reviewer: RN6U, 07-Aug-2025 15:16:38 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

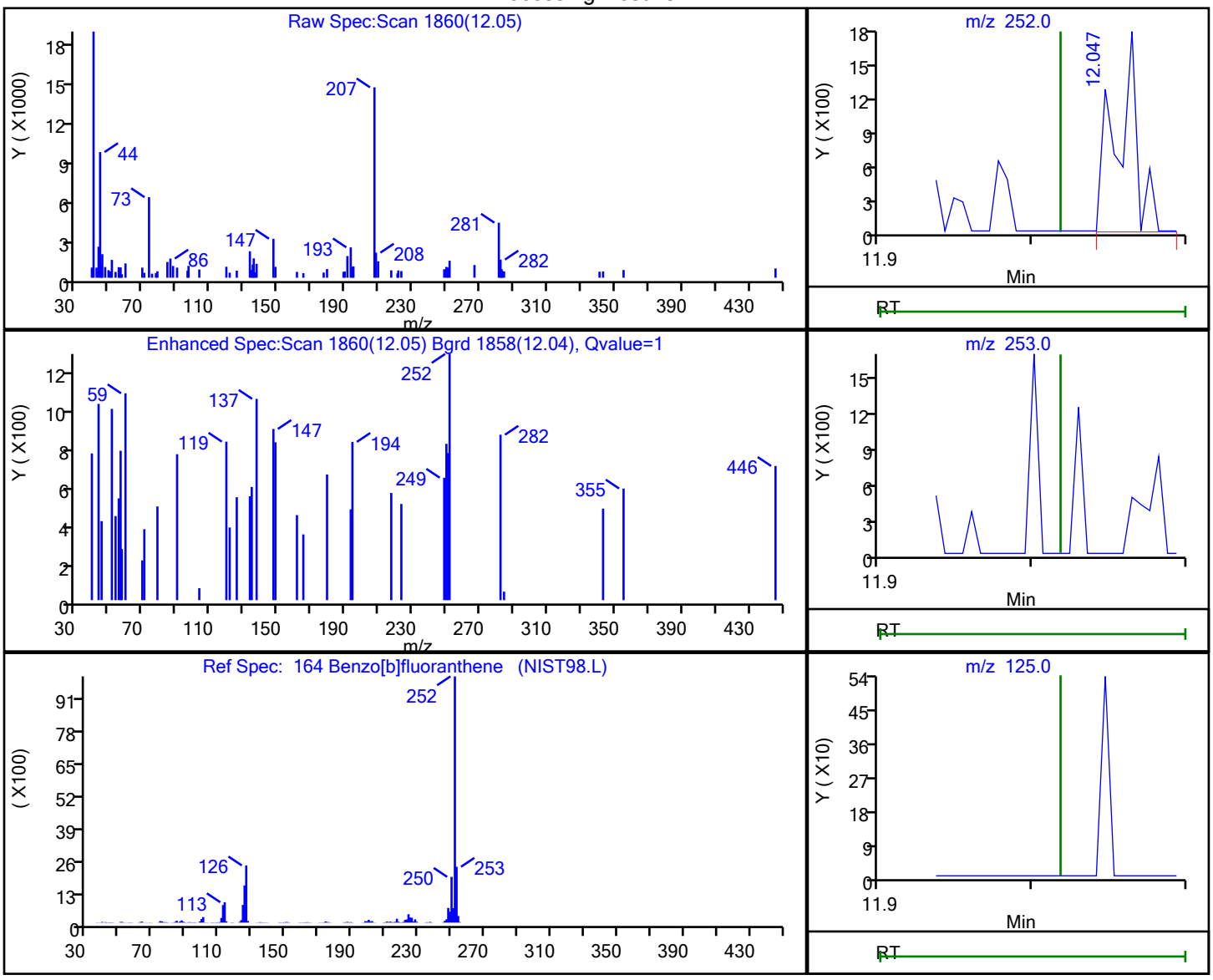
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0707.D				
Injection Date:	07-Aug-2025 10:30:30	Instrument ID:	HP23264		
Lims ID:	MB 410-681385/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

164 Benzo[b]fluoranthene, CAS: 205-99-2

Processing Results



RT	Mass	Response	Amount
12.05	252.00	1719	0.024174
12.07	253.00	715	
12.05	125.00	187	

Reviewer: RN6U, 07-Aug-2025 15:16:34 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

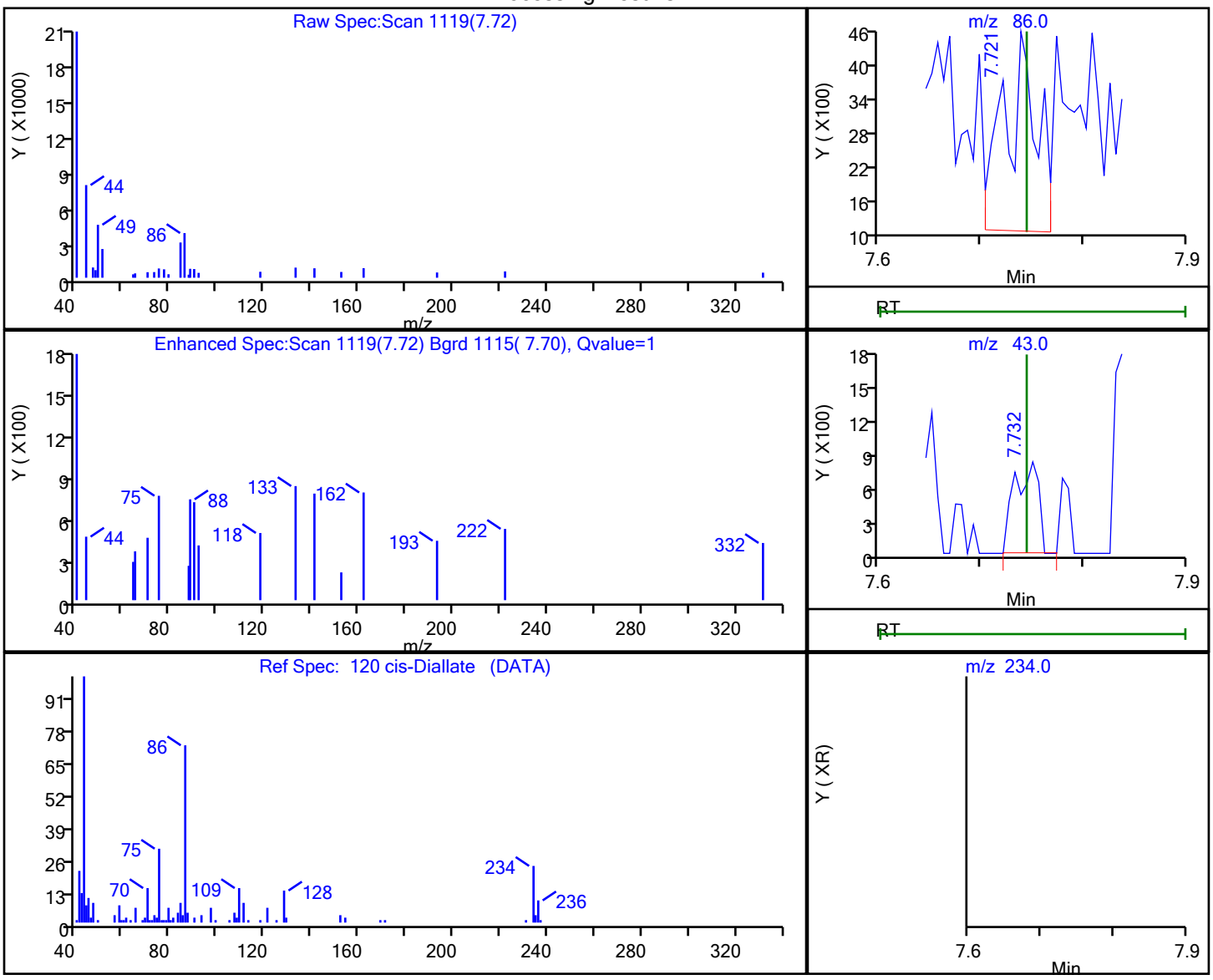
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0707.D				
Injection Date:	07-Aug-2025 10:30:30	Instrument ID:	HP23264		
Lims ID:	MB 410-681385/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

120 cis-Diallate, CAS: 17708-57-5

Processing Results



RT	Mass	Response	Amount
7.72	86.00	7295	0.267875
7.73	43.00	1333	
7.74	234.00	0	
7.72	70.00	947	

Reviewer: RN6U, 07-Aug-2025 15:14:56 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

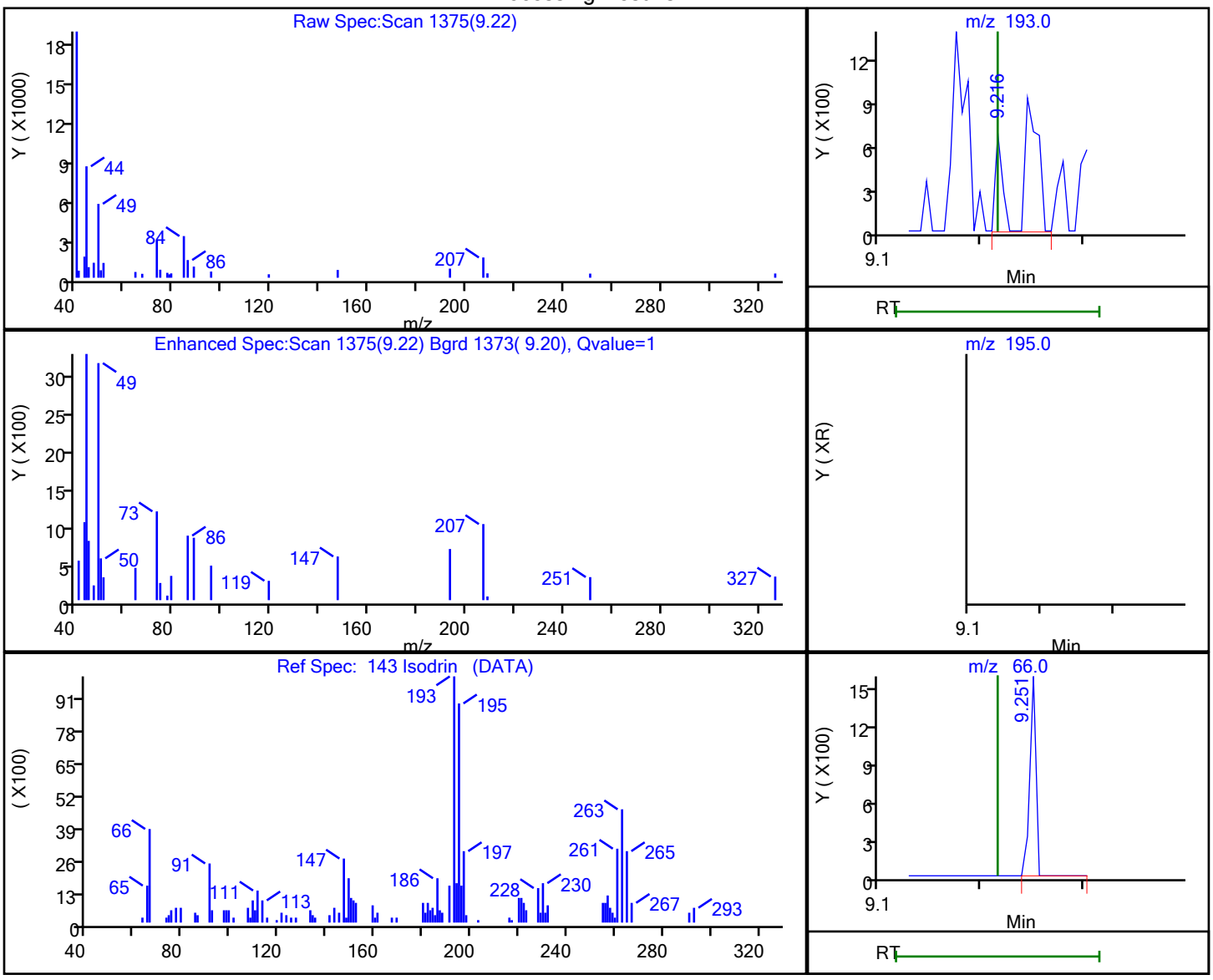
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0707.D				
Injection Date:	07-Aug-2025 10:30:30	Instrument ID:	HP23264		
Lims ID:	MB 410-681385/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

143 Isodrin, CAS: 465-73-6

Processing Results



RT	Mass	Response	Amount
9.22	193.00	1126	0.098417
9.22	195.00	0	
9.25	66.00	668	
9.22	263.00	0	

Reviewer: RN6U, 07-Aug-2025 15:16:27 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

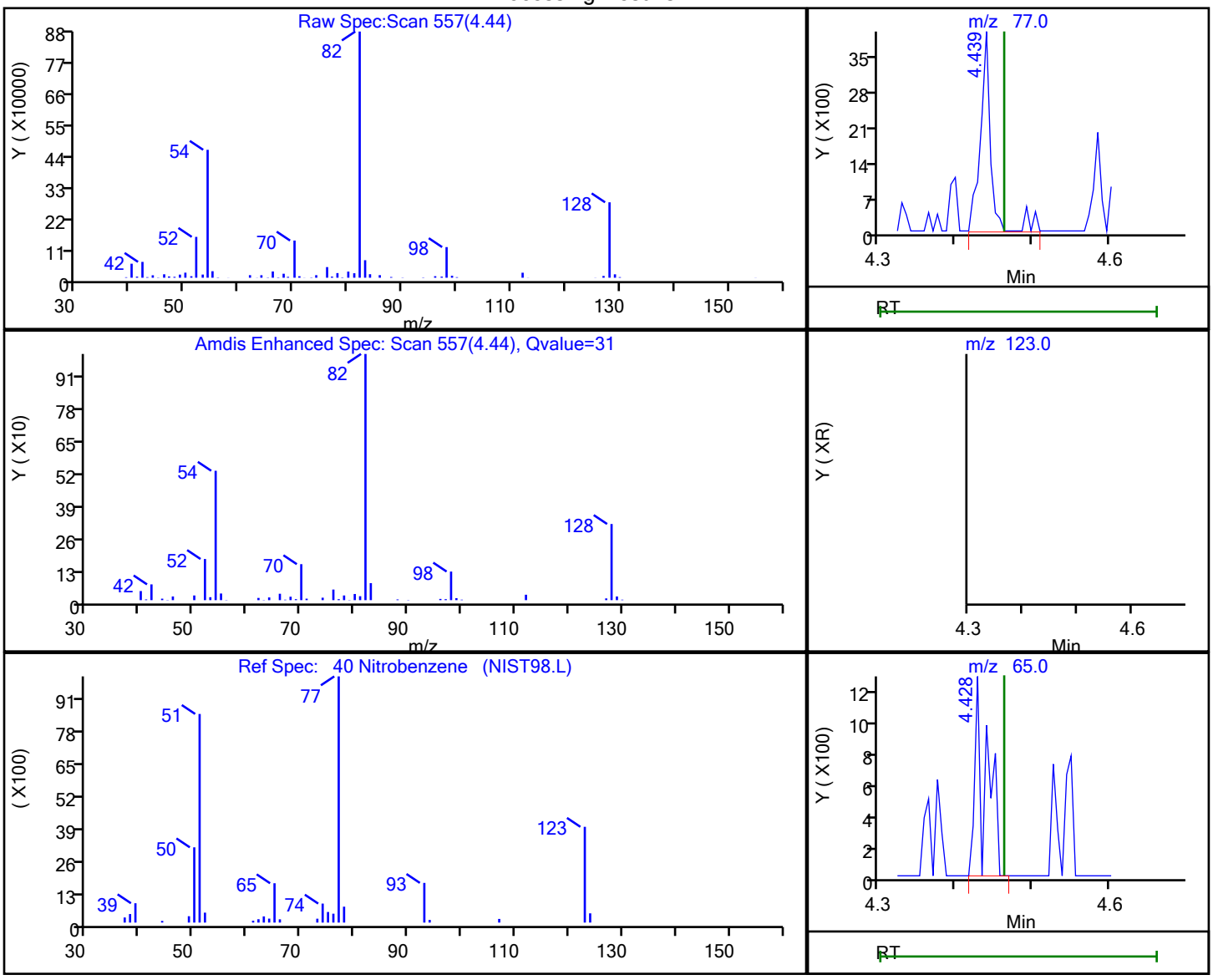
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0707.D				
Injection Date:	07-Aug-2025 10:30:30	Instrument ID:	HP23264		
Lims ID:	MB 410-681385/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.44	77.00	3787	0.093854
4.46	123.00	0	
4.43	65.00	1327	

Reviewer: RN6U, 07-Aug-2025 15:14:12 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-683371/1-A

Matrix: Water
Lab File ID: DH1155.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/10/2025 16:20

Sample wt/vol: 250(mL)
Date Analyzed: 08/11/2025 22:21

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 683977
Units: ug/L

Preparation Batch No.: 683371
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		10.0	2.00
99-65-0	1,3-Dinitrobenzene	ND		10.0	2.30
108-60-1	bis (2-chloroisopropyl) ether	ND		10.0	0.600
58-90-2	2,3,4,6-Tetrachlorophenol	ND		10.0	1.80
95-95-4	2,4,5-Trichlorophenol	ND		10.0	2.00
88-06-2	2,4,6-Trichlorophenol	ND		10.0	1.80
120-83-2	2,4-Dichlorophenol	ND		10.0	1.59
121-14-2	2,4-Dinitrotoluene	ND		10.0	2.10
87-65-0	2,6-Dichlorophenol	ND		10.0	1.40
606-20-2	2,6-Dinitrotoluene	ND		10.0	2.10
91-58-7	2-Chloronaphthalene	ND		10.0	0.500
95-57-8	2-Chlorophenol	ND		10.0	1.00
91-57-6	2-Methylnaphthalene	ND		10.0	0.290
95-48-7	o-Cresol	ND		10.0	0.960
88-74-4	2-Nitroaniline	ND		10.0	1.00
88-75-5	2-Nitrophenol	ND		10.0	1.27
101-55-3	4-Bromophenyl-phenylether	ND		10.0	0.560
59-50-7	4-Chloro-3-methylphenol	ND		10.0	1.00
7005-72-3	4-Chlorophenyl-phenyl ether	ND		10.0	0.600
106-44-5	m & p-Cresol	ND		20.0	2.47
99-55-8	5-Nitro-o-toluidine	ND		10.0	2.00
83-32-9	Acenaphthene	ND		10.0	0.350
208-96-8	Acenaphthylene	ND		10.0	0.480
120-12-7	Anthracene	ND		10.0	0.520
56-55-3	Benzo[a]anthracene	ND		10.0	0.450
50-32-8	Benzo[a]pyrene	ND		10.0	1.50
205-99-2	Benzo[b]fluoranthene	ND		10.0	1.20
191-24-2	Benzo[g,h,i]perylene	ND		10.0	0.420
207-08-9	Benzo[k]fluoranthene	ND		10.0	1.60
218-01-9	Chrysene	ND		10.0	0.310

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-683371/1-A

Matrix: Water
Lab File ID: DH1155.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/10/2025 16:20

Sample wt/vol: 250(mL)
Date Analyzed: 08/11/2025 22:21

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 683977
Units: ug/L

Preparation Batch No.: 683371
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2303-16-4	Diallate	ND		10.0	3.00
53-70-3	Dibenz(a,h)anthracene	ND		10.0	0.380
132-64-9	Dibenzofuran	ND		10.0	0.600
84-66-2	Diethyl phthalate	ND		10.0	2.00
60-51-5	Dimethoate	ND		10.0	3.00
62-50-0	Ethyl methanesulfonate	ND		10.0	1.10
206-44-0	Fluoranthene	ND		10.0	0.420
86-73-7	Fluorene	ND		10.0	0.380
118-74-1	Hexachlorobenzene	ND		10.0	0.870
1888-71-7	Hexachloropropene	ND		10.0	2.00
193-39-5	Indeno[1,2,3-cd]pyrene	ND		10.0	0.150
465-73-6	Isodrin	ND		10.0	1.10
143-50-0	Kepone	ND		50.0	25.0
55-18-5	N-Nitrosodiethylamine	ND		10.0	3.00
62-75-9	N-Nitrosodimethylamine	ND		10.0	2.00
86-30-6	n-Nitrosodiphenylamine(as diphenylamine)	ND		10.0	0.580
59-89-2	N-Nitrosomorpholine	ND		10.0	3.00
100-75-4	N-Nitrosopiperidine	ND		10.0	1.10
98-95-3	Nitrobenzene	ND		10.0	0.600
126-68-1	o,o',o''-Triethylphosphorothioate	ND		10.0	2.60
608-93-5	Pentachlorobenzene	ND		10.0	1.60
62-44-2	Phenacetin	ND		10.0	1.40
87-86-5	Pentachlorophenol	ND		10.0	3.00
85-01-8	Phenanthrene	ND		10.0	0.520
108-95-2	Phenol	ND		10.0	0.770
298-02-2	Phorate	ND		10.0	2.50
129-00-0	Pyrene	ND		10.0	0.410
94-59-7	Safrole, Total	ND		10.0	2.20
3689-24-5	Sulfotepp	ND		10.0	2.40

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-683371/1-A

Matrix: Water
Lab File ID: DH1155.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/10/2025 16:20

Sample wt/vol: 250(mL)
Date Analyzed: 08/11/2025 22:21

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 683977
Units: ug/L

Preparation Batch No.: 683371
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
297-97-2	*O,O-Diethyl O-2-pyrazinyl phosphorothioate*	*ND*		*10.0*	*2.40*
117-81-7	*Bis(2-ethylhexyl) phthalate*	*ND*		*10.0*	*2.00*

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	82		13-134
321-60-8	2-Fluorobiphenyl (Surr)	74		45-120
367-12-4	2-Fluorophenol (Surr)	43		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	78		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	104		26-123
4165-62-2	Phenol-d5 (Surr)	36		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1155.D
Lims ID: MB 410-683371/1-A
Client ID:
Sample Type: MB
Inject. Date: 11-Aug-2025 22:21:33 ALS Bottle#: 5 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-683371/1-A
Misc. Info.: 410-0156268-007
Operator ID: EEA115318 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 12-Aug-2025 13:55:32 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1712

First Level Reviewer: W6ZA Date: 12-Aug-2025 07:04:10

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 Triethyl amine	86		1.198					ND	7
	2 1,4-Dioxane	88		1.332					ND	7
	3 N-Nitrosodimethylamine	74		1.536					ND	
	4 Pyridine	79		1.559					ND	
	6 Dimethylformamide	73		1.827					ND	7
$	10 2-Fluorophenol	112	2.602	2.602	0.000	93	417222	25.0	10.7	
	11 N-Nitrosodiethylamine	102		2.783					ND	
	12 Ethyl methanesulfonate	109		3.080					ND	
	15 Benzaldehyde	77		3.407					ND	
$	16 Phenol-d5	99	3.517	3.517	0.005	97	482498	25.0	9.00	M
	17 Phenol	94		3.529					ND	7
	19 Bis(2-chloroethyl)ether	93		3.587					ND	
	20 2-Chlorophenol	128		3.640					ND	
*	22 1,4-Dichlorobenzene-d4	152	3.838	3.838	0.000	96	149371	5.00	5.00	
	29 2,2'-oxybis[1-chloropropane]	45		4.118					ND	7
	28 2-Methylphenol	108		4.124					ND	
	34 Acetophenone	105		4.240					ND	
	33 N-Nitrosodi-n-propylamine	70		4.246					ND	7
	35 N-Nitrosomorpholine	56		4.263					ND	
	36 2-Toluidine	106		4.275					ND	
	32 4-Methylphenol	108		4.281					ND	7
	38 Hexachloroethane	117		4.322					ND	
$	39 Nitrobenzene-d5	82	4.380	4.386	-0.006	88	935586	25.0	19.6	
	40 Nitrobenzene	77		4.403					ND	U
	41 n,n'-Dimethylaniline	120		4.403					ND	
	42 N-Nitrosopiperidine	114		4.549					ND	
	43 Isophorone	82		4.636					ND	7
	44 2-Nitrophenol	139		4.712					ND	
	45 2,4-Dimethylphenol	107		4.782					ND	
	46 o,o',o''-Triethylphosphorothioat	198		4.840					ND	
	47 Bis(2-chloroethoxy)methane	93		4.864					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
48 2,4-Dichlorophenol	162		4.963					ND	
* 50 Naphthalene-d8	136	5.074	5.074	0.000	99	565662	5.00	5.00	
51 Naphthalene	128		5.091					ND	
53 4-Chloroaniline	127		5.167					ND	
54 2,6-Dichlorophenol	162		5.167					ND	
55 Hexachloropropene	213		5.179					ND	
56 Hexachlorobutadiene	225		5.219					ND	
61 Caprolactam	113		5.482					ND	
64 4-Chloro-3-methylphenol	107		5.668					ND	
65 Safrole, Total	162		5.691					ND	
66 2-Methylnaphthalene	142		5.761					ND	
68 Hexachlorocyclopentadiene	237		5.913					ND	
69 1,2,4,5-Tetrachlorobenzene	216		5.925					ND	
71 2,4,6-Trichlorophenol	196		6.047					ND	
72 2,4,5-Trichlorophenol	196		6.099					ND	
$ 73 2-Fluorobiphenyl (Surr)	172	6.117	6.123	-0.006	100	1698577	25.0	18.5	
75 1,1'-Biphenyl	154		6.210					ND	7
76 2-Chloronaphthalene	162		6.222					ND	
79 2-Nitroaniline	138		6.338					ND	
85 Dimethyl phthalate	163		6.519					ND	
86 1,3-Dinitrobenzene	168		6.542					ND	
87 2,6-Dinitrotoluene	165		6.572					ND	
88 Acenaphthylene	152		6.612					ND	7
89 3-Nitroaniline	138		6.729					ND	
* 90 Acenaphthene-d10	164	6.741	6.741	0.000	94	327275	5.00	5.00	
91 Acenaphthene	153		6.776					ND	
92 2,4-Dinitrophenol	184		6.834					ND	
94 Pentachlorobenzene	250		6.904					ND	
96 Dibenzofuran	168		6.945					ND	
93 4-Nitrophenol	109		6.950					ND	
95 2,4-Dinitrotoluene	165		6.950					ND	7
98 2,3,4,6-Tetrachlorophenol	232		7.073					ND	
100 Diethyl phthalate	149		7.195					ND	7
102 Fluorene	166		7.265					ND	
101 Thionazin	107		7.265					ND	
103 4-Chlorophenyl phenyl ether	204		7.283					ND	
104 N-Nitro-o-toluidine	152		7.294					ND	
105 4-Nitroaniline	138		7.306					ND	
106 4,6-Dinitro-2-methylphenol	198		7.335					ND	
107 N-Nitrosodiphenylamine	169		7.393					ND	U
$ 109 2,4,6-Tribromophenol	330	7.493	7.498	-0.006	93	269776	25.0	20.4	
110 Sulfotepp	97		7.562					ND	
113 cis-Diallate	86		7.673					ND	7
114 Phorate	75		7.679					ND	
115 Phenacetin	108		7.708					ND	
116 4-Bromophenyl phenyl ether	248		7.737					ND	
117 trans-Diallate	86		7.755					ND	7
118 Hexachlorobenzene	284		7.778					ND	
119 Dimethoate	87		7.836					ND	7
120 Atrazine	200		7.918					ND	
121 Pentachlorophenol	266		7.982					ND	
123 Pentachloronitrobenzene	237		7.982					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 126 Phenanthrene-d10	188	8.139	8.140	-0.001	98	594598	5.00	5.00	
128 Phenanthrene	178		8.169					ND	7
129 Anthracene	178		8.215					ND	7
130 Carbazole	167		8.384					ND	
133 Di-n-butyl phthalate	149		8.746					ND	7
141 Isodrin	193		9.142					ND	7
143 Fluoranthene	202		9.288					ND	
* 149 Pyrene-d10 (IS)	212	9.480	9.480	0.000	99	567317	5.00	5.00	
150 Pyrene	202		9.498					ND	7
S 136 Diallate	86		9.653					ND	7
$ 152 p-Terphenyl-d14	244	9.672	9.672	-0.006	98	2270214	25.0	26.0	
153 Kepone	272		10.139					ND	
157 Butyl benzyl phthalate	149		10.168					ND	7
159 3,3'-Dichlorobenzidine	252		10.675					ND	
161 Benzo[a]anthracene	228		10.675					ND	7
162 Chrysene	228		10.716					ND	7
163 Bis(2-ethylhexyl) phthalate	149		10.786					ND	7
165 Di-n-octyl phthalate	149		11.538					ND	7
167 Benzo[b]fluoranthene	252		11.905					ND	
168 Benzo[k]fluoranthene	252		11.940					ND	
169 Benzo[a]pyrene	252		12.307					ND	7
* 170 Perylene-d12	264	12.371	12.377	-0.006	98	402787	5.00	5.00	
174 Indeno[1,2,3-cd]pyrene	276		13.787					ND	7
175 Dibenz(a,h)anthracene	278		13.834					ND	
176 Benzo[g,h,i]perylene	276		14.131					ND	7
184 1-Methyl-2-pyrrilidinone TIC	1		0.000					ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

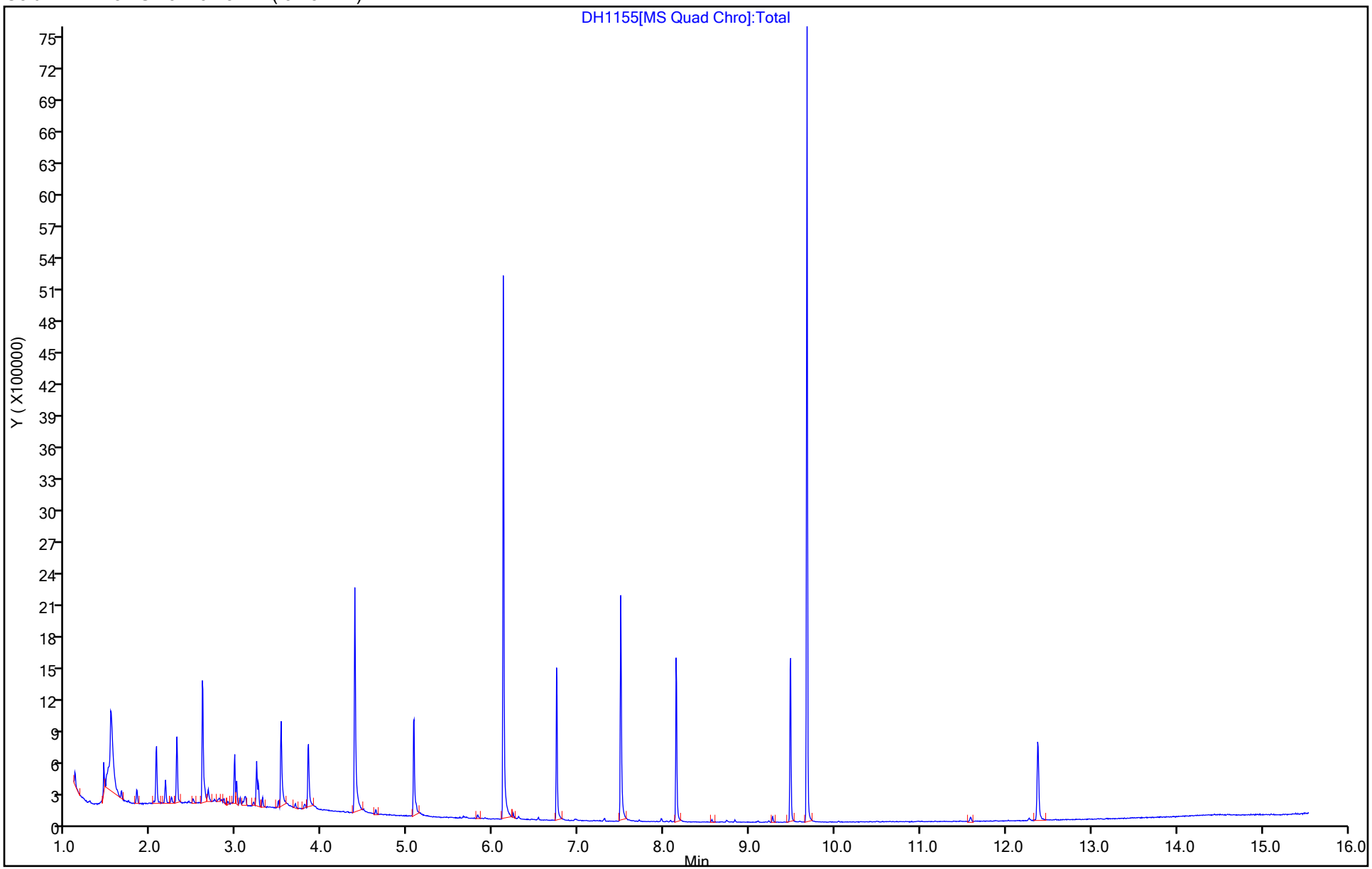
Report Date: 12-Aug-2025 13:56:09 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1155.D

Injection Date:	11-Aug-2025 22:21:33	Instrument ID:	HP19760	Operator ID:	EEA115318
Lims ID:	MB 410-683371/1-A			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1155.D
Lims ID: MB 410-683371/1-A
Client ID:
Sample Type: MB
Inject. Date: 11-Aug-2025 22:21:33 ALS Bottle#: 5 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-683371/1-A
Misc. Info.: 410-0156268-007
Operator ID: EEA115318 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 12-Aug-2025 13:55:32 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1712

First Level Reviewer: W6ZA Date: 12-Aug-2025 07:04:10

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	25.0	10.7	42.76
$ 16 Phenol-d5	25.0	9.00	36.01
$ 39 Nitrobenzene-d5	25.0	19.6	78.46
$ 73 2-Fluorobiphenyl (Surr)	25.0	18.5	73.97
$ 109 2,4,6-Tribromophenol	25.0	20.4	81.71
$ 152 p-Terphenyl-d14	25.0	26.0	104.11

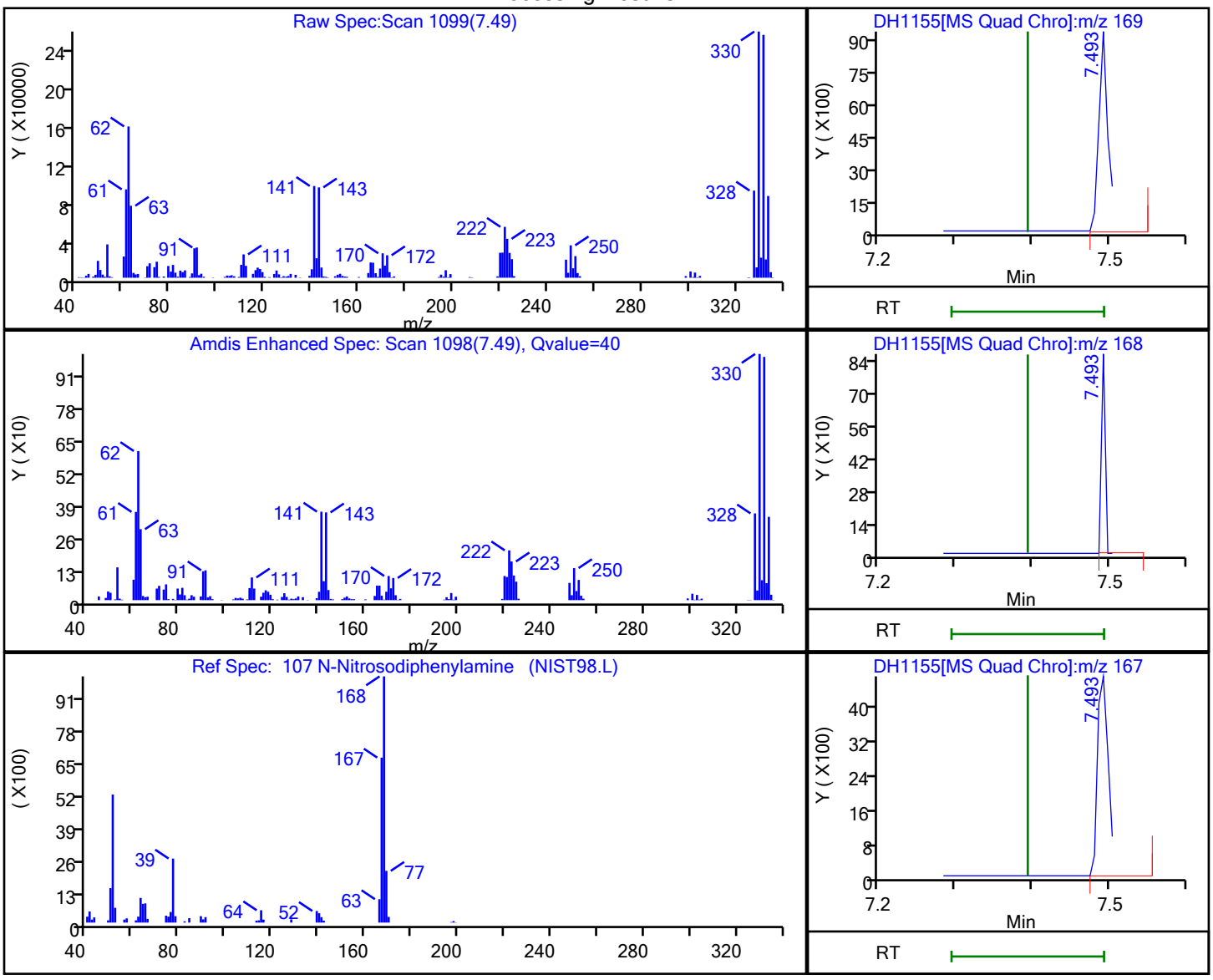
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1155.D				
Injection Date:	11-Aug-2025 22:21:33	Instrument ID:	HP19760		
Lims ID:	MB 410-683371/1-A				
Client ID:					
Operator ID:	EEA115318	ALS Bottle#:	5	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

107 N-Nitrosodiphenylamine, CAS: 86-30-6

Processing Results



RT	Mass	Response	Amount
7.49	169.00	8743	0.114742
7.49	168.00	302	
7.49	167.00	4500	

Reviewer: W6ZA, 12-Aug-2025 13:40:21 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

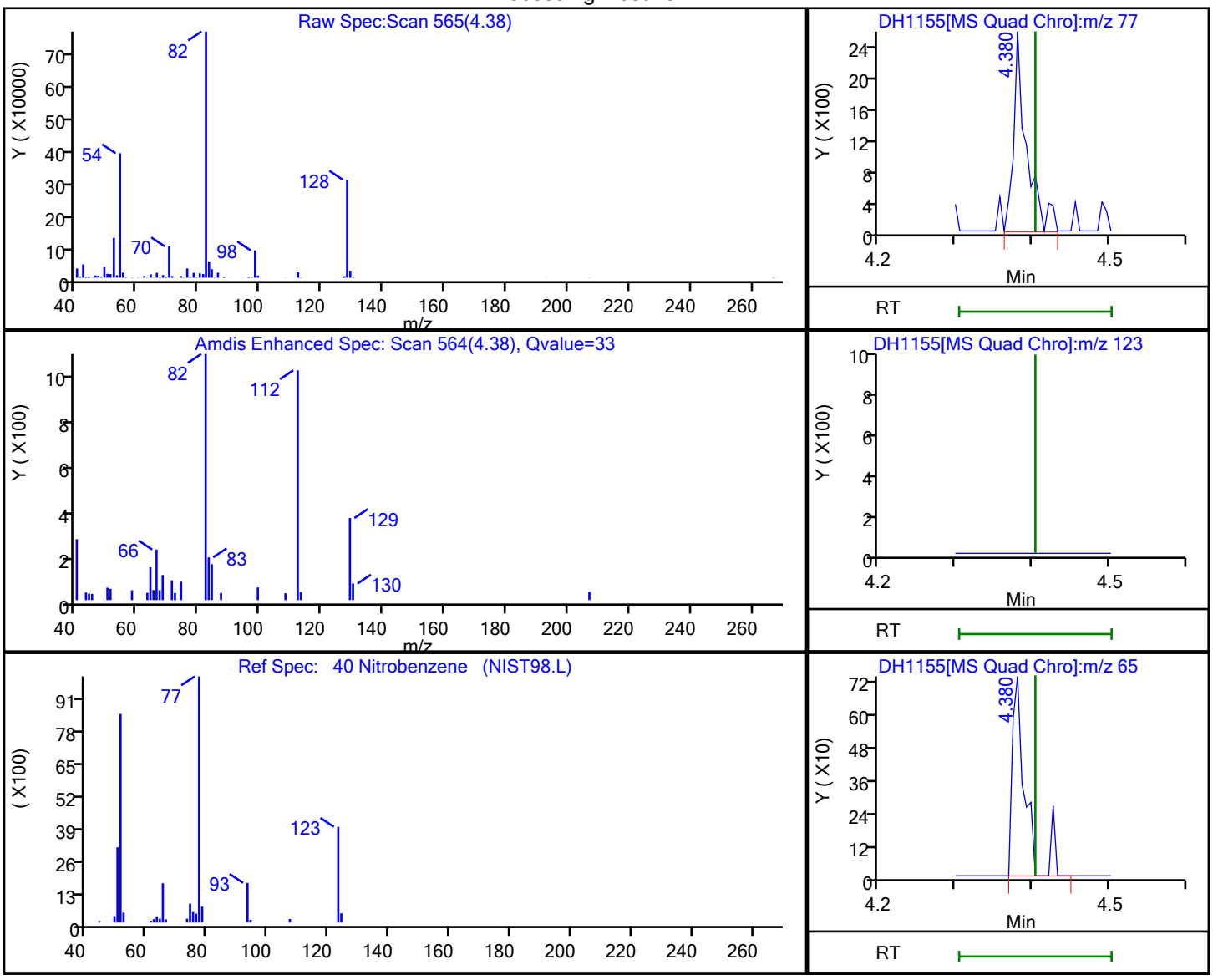
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1155.D				
Injection Date:	11-Aug-2025 22:21:33	Instrument ID:	HP19760		
Lims ID:	MB 410-683371/1-A				
Client ID:					
Operator ID:	EEA115318	ALS Bottle#:	5	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.38	77.00	2962	0.063332
4.40	123.00	0	
4.38	65.00	848	

Reviewer: W6ZA, 12-Aug-2025 13:40:11 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

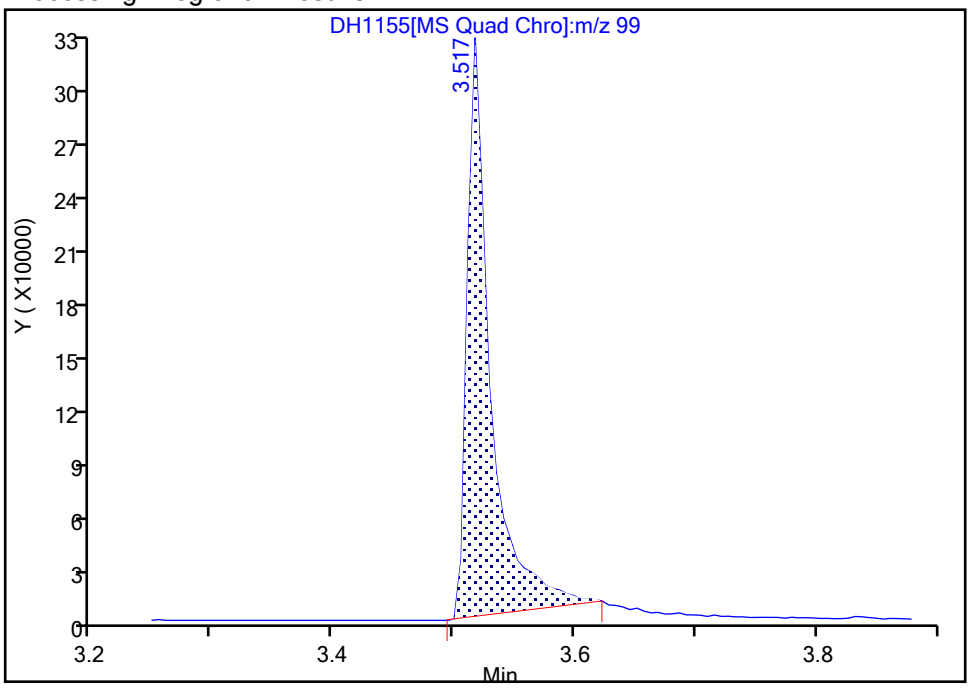
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1155.D				
Injection Date:	11-Aug-2025 22:21:33	Instrument ID:	HP19760		
Lims ID:	MB 410-683371/1-A				
Client ID:					
Operator ID:	EEA115318	ALS Bottle#:	5	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

$ 16 Phenol-d5, CAS: 4165-62-2

Signal: 1

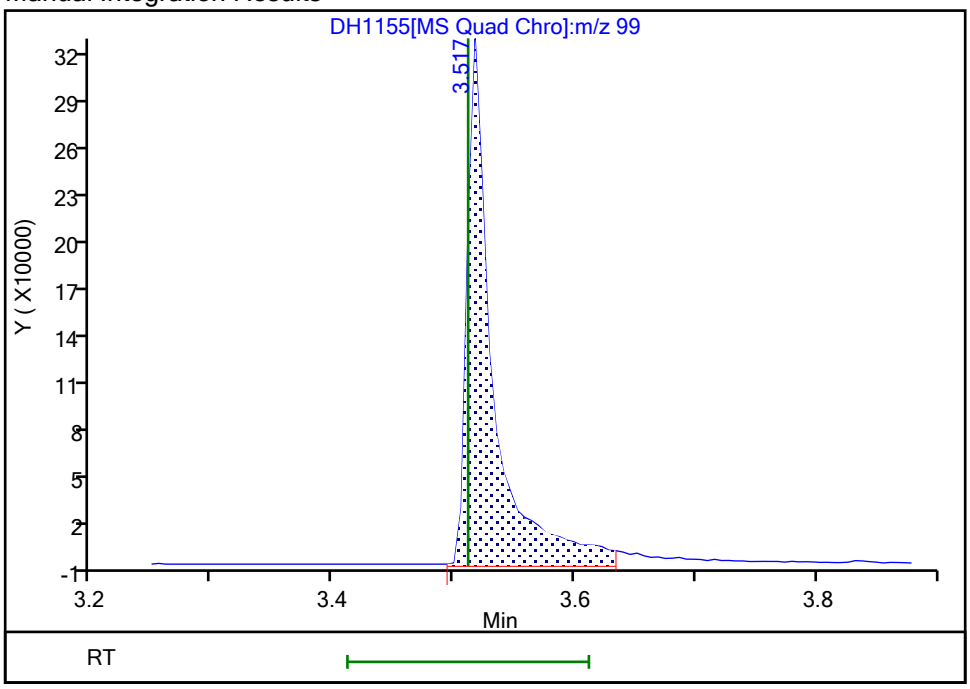
Processing Integration Results

RT: 3.52
Area: 429131
Amount: 8.007058
Amount Units: ug/ml



Manual Integration Results

RT: 3.52
Area: 482498
Amount: 9.002820
Amount Units: ug/ml



Reviewer: W6ZA, 12-Aug-2025 13:40:04 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-681120/2-A

Matrix: Water
Lab File ID: HG0612.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/05/2025 16:09

Sample wt/vol: 250(mL)
Date Analyzed: 08/06/2025 12:08

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 681375
Units: ug/L

Preparation Batch No.: 681120
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	40.91		10.0	2.00
99-65-0	1,3-Dinitrobenzene	44.66		10.0	2.30
108-60-1	bis (2-chloroisopropyl) ether	34.81		10.0	0.600
58-90-2	2,3,4,6-Tetrachlorophenol	44.99		10.0	1.80
95-95-4	2,4,5-Trichlorophenol	47.99		10.0	2.00
88-06-2	2,4,6-Trichlorophenol	50.06		10.0	1.80
120-83-2	2,4-Dichlorophenol	45.45		10.0	1.59
121-14-2	2,4-Dinitrotoluene	45.23		10.0	2.10
87-65-0	2,6-Dichlorophenol	43.20		10.0	1.40
606-20-2	2,6-Dinitrotoluene	43.91		10.0	2.10
91-58-7	2-Chloronaphthalene	46.79		10.0	0.500
95-57-8	2-Chlorophenol	46.53		10.0	1.00
91-57-6	2-Methylnaphthalene	45.25		10.0	0.290
95-48-7	o-Cresol	42.38		10.0	0.960
88-74-4	2-Nitroaniline	48.86		10.0	1.00
88-75-5	2-Nitrophenol	44.68		10.0	1.27
101-55-3	4-Bromophenyl-phenylether	50.16		10.0	0.560
59-50-7	4-Chloro-3-methylphenol	39.98		10.0	1.00
7005-72-3	4-Chlorophenyl-phenyl ether	44.52		10.0	0.600
106-44-5	m & p-Cresol	39.12		20.0	2.47
83-32-9	Acenaphthene	43.25		10.0	0.350
208-96-8	Acenaphthylene	46.87		10.0	0.480
120-12-7	Anthracene	49.21		10.0	0.520
56-55-3	Benzo[a]anthracene	52.93		10.0	0.450
50-32-8	Benzo[a]pyrene	45.08		10.0	1.50
205-99-2	Benzo[b]fluoranthene	45.55		10.0	1.20
191-24-2	Benzo[g,h,i]perylene	47.56		10.0	0.420
207-08-9	Benzo[k]fluoranthene	43.40		10.0	1.60
218-01-9	Chrysene	50.97		10.0	0.310
53-70-3	Dibenz(a,h)anthracene	52.67		10.0	0.380

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-681120/2-A

Matrix: Water
Lab File ID: HG0612.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/05/2025 16:09

Sample wt/vol: 250(mL)
Date Analyzed: 08/06/2025 12:08

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 681375
Units: ug/L

Preparation Batch No.: 681120
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
132-64-9	Dibenzofuran	46.30		10.0	0.600
84-66-2	Diethyl phthalate	43.44		10.0	2.00
206-44-0	Fluoranthene	48.65		10.0	0.420
86-73-7	Fluorene	48.98		10.0	0.380
118-74-1	Hexachlorobenzene	49.67		10.0	0.870
193-39-5	Indeno[1,2,3-cd]pyrene	50.73		10.0	0.150
62-75-9	N-Nitrosodimethylamine	26.36		10.0	2.00
86-30-6	n-Nitrosodiphenylamine(as diphenylamine)	46.19		10.0	0.580
98-95-3	Nitrobenzene	37.23		10.0	0.600
87-86-5	Pentachlorophenol	93.31		10.0	3.00
85-01-8	Phenanthrene	47.25		10.0	0.520
108-95-2	Phenol	24.83		10.0	0.770
129-00-0	Pyrene	48.34		10.0	0.410
117-81-7	Bis(2-ethylhexyl) phthalate	53.12		10.0	2.00

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	82		13-134
321-60-8	2-Fluorobiphenyl (Surr)	82		45-120
367-12-4	2-Fluorophenol (Surr)	57		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	72		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	103		26-123
4165-62-2	Phenol-d5 (Surr)	40		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0612.D
Lims ID: LCS 410-681120/2-A
Client ID:
Sample Type: LCS
Inject. Date: 06-Aug-2025 12:08:30 ALS Bottle#: 10 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-681120/2-A
Misc. Info.: 410-0155656-009
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 17:26:53 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: RN6U Date: 06-Aug-2025 17:10:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 N-Nitrosodimethylamine	74	1.560	1.560	0.000	94	149581	12.5	6.59	
$ 9 2-Fluorophenol	112	2.635	2.635	0.000	93	384702	25.0	14.2	
$ 15 Phenol-d5	99	3.563	3.563	0.000	94	402359	25.0	9.88	
17 Aniline	93	3.575	3.575	0.000	85	463505	12.5	8.81	
16 Phenol	94	3.575	3.575	0.000	76	296849	12.5	6.21	
18 Bis(2-chloroethyl)ether	93	3.639	3.645	-0.006	90	371871	12.5	10.8	
19 2-Chlorophenol	128	3.686	3.692	-0.006	93	313155	12.5	11.6	
21 1,3-Dichlorobenzene	146	3.826	3.832	-0.006	95	341300	12.5	10.7	
* 22 1,4-Dichlorobenzene-d4	152	3.890	3.890	0.000	96	111327	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.908	3.908	0.000	92	354578	12.5	11.0	
26 Benzyl alcohol	108	4.048	4.048	0.000	88	224669	12.5	10.9	
27 1,2-Dichlorobenzene	146	4.048	4.054	-0.006	92	344528	12.5	11.4	
29 2-Methylphenol	108	4.171	4.164	-0.001	95	323611	12.5	10.6	
30 2,2'-oxybis[1-chloropropane]	45	4.171	4.176	-0.006	91	548465	12.5	8.70	
33 N-Nitrosodi-n-propylamine	70	4.305	4.305	0.000	86	336281	12.5	10.4	
34 4-Methylphenol	108	4.328	4.328	0.000	93	318735	12.5	9.78	
37 Hexachloroethane	117	4.375	4.375	0.000	95	152671	12.5	9.76	
$ 39 Nitrobenzene-d5	82	4.439	4.440	-0.006	87	873183	25.0	18.0	
40 Nitrobenzene	77	4.457	4.457	-0.005	87	469882	12.5	9.31	
42 Isophorone	82	4.696	4.697	-0.006	98	883139	12.5	10.1	
43 2-Nitrophenol	139	4.772	4.767	0.000	93	163601	12.5	11.2	
44 2,4-Dimethylphenol	107	4.836	4.836	-0.006	97	416808	12.5	11.6	
47 Bis(2-chloroethoxy)methane	93	4.924	4.924	-0.006	98	505517	12.5	10.1	
48 Benzoic acid	105	4.930	4.930	-0.011	88	130201	12.5	4.49	
49 2,4-Dichlorophenol	162	5.011	5.011	-0.006	97	305725	12.5	11.4	
50 1,2,4-Trichlorobenzene	180	5.081	5.076	0.000	94	312863	12.5	9.52	
* 52 Naphthalene-d8	136	5.128	5.134	-0.006	100	406618	5.00	5.00	
53 Naphthalene	128	5.146	5.146	-0.005	98	973504	12.5	11.2	
56 4-Chloroaniline	127	5.222	5.221	-0.005	82	374243	12.5	10.9	
57 2,6-Dichlorophenol	162	5.227	5.221	0.000	84	298198	12.5	10.8	
65 4-Chloro-3-methylphenol	107	5.718	5.717	-0.006	91	341203	12.5	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
67 2-Methylnaphthalene	142	5.817	5.816	-0.006	92	577877	12.5	11.3	
71 Hexachlorocyclopentadiene	237	5.969	5.975	-0.006	93	193447	12.5	7.87	
70 1,2,4,5-Tetrachlorobenzene	216	5.981	5.986	-0.005	97	354861	12.5	10.2	
79 2,4,6-Trichlorophenol	196	6.103	6.104	-0.006	93	241065	12.5	12.5	
80 2,4,5-Trichlorophenol	196	6.144	6.145	-0.006	91	257755	12.5	12.0	
$ 81 2-Fluorobiphenyl (Surr)	172	6.179	6.185	-0.006	100	1364701	25.0	20.6	
84 2-Chloronaphthalene	162	6.284	6.284	0.000	97	656552	12.5	11.7	
87 2-Nitroaniline	138	6.401	6.407	-0.006	75	194216	12.5	12.2	
90 Dimethyl phthalate	163	6.588	6.594	-0.006	96	611875	12.5	9.12	
91 1,3-Dinitrobenzene	168	6.617	6.617	0.000	81	98307	12.5	11.2	
92 2,6-Dinitrotoluene	165	6.640	6.646	-0.006	87	157390	12.5	11.0	
93 Acenaphthylene	152	6.670	6.675	-0.005	98	1037304	12.5	11.7	
95 3-Nitroaniline	138	6.798	6.804	-0.006	88	156043	12.5	11.3	
* 96 Acenaphthene-d10	164	6.810	6.810	0.000	92	233748	5.00	5.00	
97 Acenaphthene	153	6.839	6.845	-0.006	97	622679	12.5	10.8	
98 2,4-Dinitrophenol	184	6.903	6.909	-0.006	80	121871	25.0	13.0	
100 4-Nitrophenol	109	7.002	7.003	0.000	46	144035	25.0	13.1	
101 Dibenzofuran	168	7.002	7.008	-0.006	94	928434	12.5	11.6	
102 2,4-Dinitrotoluene	165	7.020	7.026	-0.006	85	222803	12.5	11.3	
105 2,3,4,6-Tetrachlorophenol	232	7.137	7.143	-0.006	73	210045	12.5	11.2	
107 Diethyl phthalate	149	7.259	7.265	-0.006	96	729668	12.5	10.9	
108 Fluorene	166	7.329	7.335	-0.006	94	750496	12.5	12.2	
110 4-Chlorophenyl phenyl ether	204	7.341	7.347	-0.006	95	367075	12.5	11.1	
112 4-Nitroaniline	138	7.376	7.382	-0.006	79	152342	12.5	11.5	
113 4,6-Dinitro-2-methylphenol	198	7.405	7.406	-0.006	81	256035	25.0	21.5	
114 N-Nitrosodiphenylamine	169	7.464	7.464	-0.006	61	576648	10.6	11.5	
115 1,2-Diphenylhydrazine	77	7.493	7.493	-0.006	98	1006669	12.5	10.3	
$ 116 2,4,6-Tribromophenol	330	7.563	7.569	-0.006	93	227757	25.0	20.5	
122 4-Bromophenyl phenyl ether	248	7.808	7.803	0.000	66	242406	12.5	12.5	
124 Hexachlorobenzene	284	7.849	7.850	-0.006	95	287092	12.5	12.4	
127 Pentachlorophenol	266	8.048	8.048	-0.005	93	332432	25.0	23.3	
* 131 Phenanthrene-d10	188	8.211	8.217	-0.006	97	430146	5.00	5.00	
132 Phenanthrene	178	8.234	8.235	-0.006	98	1122707	12.5	11.8	
135 Anthracene	178	8.281	8.281	-0.006	98	1147154	12.5	12.3	
136 Carbazole	167	8.456	8.456	-0.006	95	1008341	12.5	12.1	
138 Di-n-butyl phthalate	149	8.818	8.818	-0.006	99	1229411	12.5	12.6	
144 Fluoranthene	202	9.361	9.361	-0.006	97	1270820	12.5	12.2	
145 Benzidine	184	9.519	9.525	-0.006	99	567041	25.0	9.49	
* 146 Pyrene-d10 (IS)	212	9.554	9.554	0.000	97	455702	5.00	5.00	
147 Pyrene	202	9.572	9.577	-0.005	98	1345800	12.5	12.1	
$ 148 p-Terphenyl-d14	244	9.747	9.753	-0.006	98	1582529	25.0	25.7	
153 Butyl benzyl phthalate	149	10.243	10.249	-0.006	95	446007	12.5	11.0	
156 Benzo[a]anthracene	228	10.757	10.763	-0.006	98	1165005	12.5	13.2	
157 3,3'-Dichlorobenzidine	252	10.763	10.769	-0.006	74	799923	25.0	24.9	
159 Chrysene	228	10.798	10.804	-0.006	97	1090232	12.5	12.7	
160 Bis(2-ethylhexyl) phthalate	149	10.874	10.880	-0.006	95	716115	12.5	13.3	
162 Di-n-octyl phthalate	149	11.644	11.639	-0.006	99	1187404	12.5	12.1	
164 Benzo[b]fluoranthene	252	12.012	12.007	-0.006	96	1050854	12.5	11.4	
165 Benzo[k]fluoranthene	252	12.047	12.042	-0.006	99	1034218	12.5	10.9	
166 Benzo[a]pyrene	252	12.421	12.415	-0.006	77	993335	12.5	11.3	
* 167 Perylene-d12	264	12.497	12.509	-0.012	99	379330	5.00	5.00	
171 Indeno[1,2,3-cd]pyrene	276	13.928	13.926	-0.011	99	1026535	12.5	12.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
172 Dibenz(a,h)anthracene	278	13.974	13.973	-0.012	92	1005175	12.5	13.2	
173 Benzo[g,h,i]perylene	276	14.278	14.283	-0.012	98	981579	12.5	11.9	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

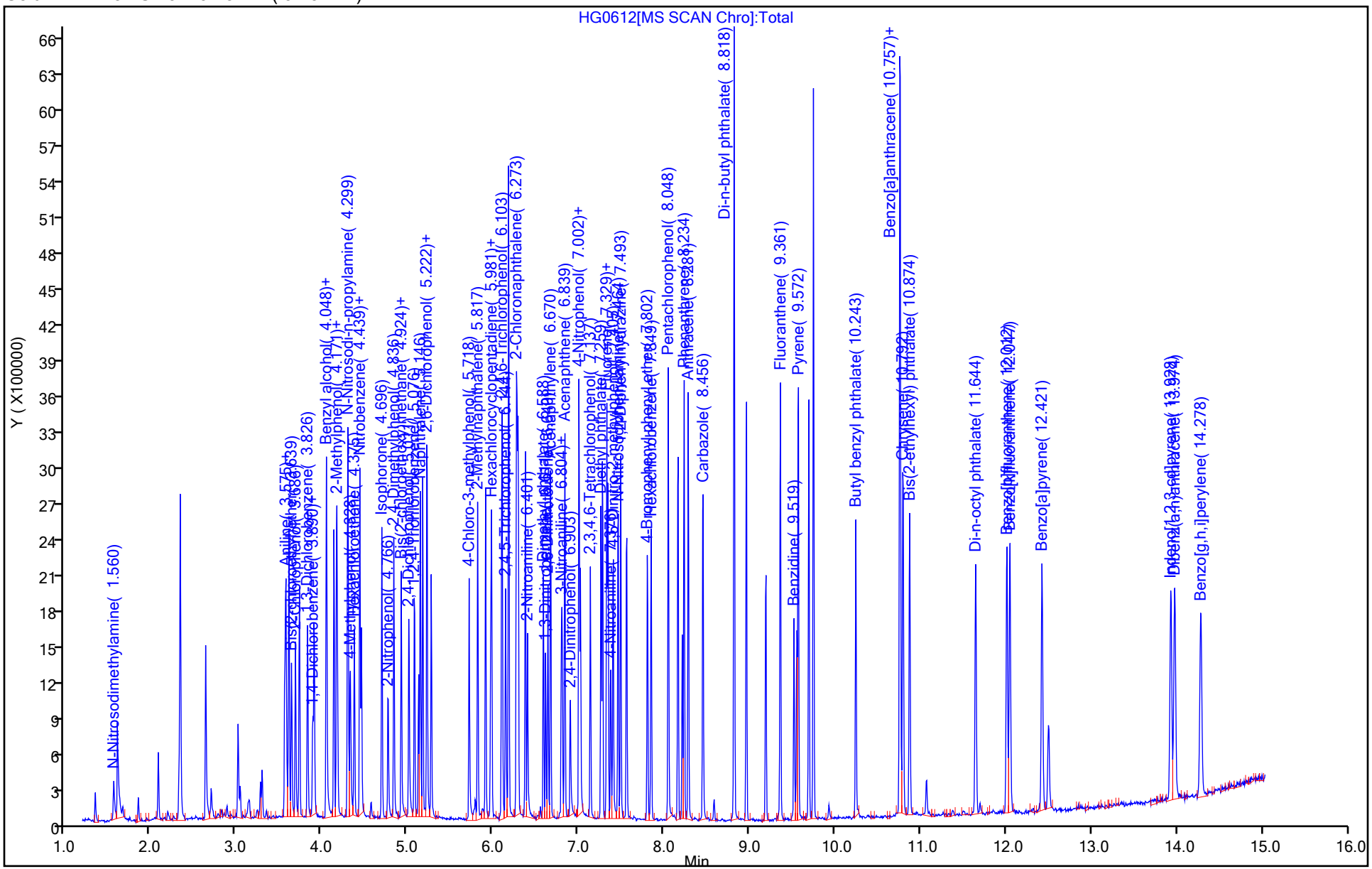
Report Date: 06-Aug-2025 17:27:12 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0612.D

Injection Date:	06-Aug-2025 12:08:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	LCS 410-681120/2-A			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0612.D
Lims ID: LCS 410-681120/2-A
Client ID:
Sample Type: LCS
Inject. Date: 06-Aug-2025 12:08:30 ALS Bottle#: 10 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-681120/2-A
Misc. Info.: 410-0155656-009
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 17:26:53 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: RN6U Date: 06-Aug-2025 17:10:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	14.2	56.62
$ 15 Phenol-d5	25.0	9.88	39.52
$ 39 Nitrobenzene-d5	25.0	18.0	72.00
$ 81 2-Fluorobiphenyl (Surr)	25.0	20.6	82.24
$ 116 2,4,6-Tribromophenol	25.0	20.5	81.90
$ 148 p-Terphenyl-d14	25.0	25.7	102.93

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-681120/4-A

Matrix: Water
Lab File ID: HG0614.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/05/2025 16:09

Sample wt/vol: 250(mL)
Date Analyzed: 08/06/2025 12:48

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 681375
Units: ug/L

Preparation Batch No.: 681120
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
99-55-8	5-Nitro-o-toluidine	34.53		10.0	2.00
2303-16-4	Diallate	30.11		10.0	3.00
60-51-5	Dimethoate	26.31		10.0	3.00
62-50-0	Ethyl methanesulfonate	34.90		10.0	1.10
1888-71-7	Hexachloropropene	25.15		10.0	2.00
465-73-6	Isodrin	30.16		10.0	1.10
143-50-0	Kepone	36.16	J	50.0	25.0
55-18-5	N-Nitrosodiethylamine	31.67		10.0	3.00
59-89-2	N-Nitrosomorpholine	27.32		10.0	3.00
100-75-4	N-Nitrosopiperidine	35.67		10.0	1.10
126-68-1	o,o',o''-Triethylphosphorothioate	34.23		10.0	2.60
608-93-5	Pentachlorobenzene	34.81		10.0	1.60
62-44-2	Phenacetin	33.66		10.0	1.40
298-02-2	Phorate	29.38		10.0	2.50
94-59-7	Safrole, Total	36.14		10.0	2.20
3689-24-5	Sulfotepp	27.91		10.0	2.40
297-97-2	O,O-Diethyl O-2-pyrazinyl phosphorothioate	33.47		10.0	2.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	76		13-134
321-60-8	2-Fluorobiphenyl (Surr)	71		45-120
367-12-4	2-Fluorophenol (Surr)	48		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	58		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	85		26-123
4165-62-2	Phenol-d5 (Surr)	33		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0614.D
Lims ID: LCS 410-681120/4-A
Client ID:
Sample Type: LCS
Inject. Date: 06-Aug-2025 12:48:30 ALS Bottle#: 12 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-681120/4-A
Misc. Info.: 410-0155656-011
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 17:26:53 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: RN6U Date: 06-Aug-2025 17:14:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 9 2-Fluorophenol	112	2.635	2.635	0.000	93	381394	25.0	12.0	
11 N-Nitrosodiethylamine	102	2.833	2.839	-0.006	96	151999	12.5	7.92	
12 Ethyl methanesulfonate	109	3.143	3.143	0.000	94	161434	12.5	8.73	
$ 15 Phenol-d5	99	3.563	3.563	0.000	95	390583	25.0	8.20	
* 22 1,4-Dichlorobenzene-d4	152	3.884	3.890	-0.006	97	130210	5.00	5.00	
31 N-Nitrosopyrrolidine	100	4.282	4.287	-0.005	95	171840	12.5	8.09	
35 N-Nitrosomorpholine	56	4.322	4.328	-0.006	89	204896	12.5	6.83	
$ 39 Nitrobenzene-d5	82	4.439	4.440	-0.006	89	792859	25.0	14.5	
41 N-Nitrosopiperidine	114	4.609	4.609	-0.005	83	167822	12.5	8.92	
46 o,o',o''-Triethylphosphorothioat	198	4.895	4.895	-0.005	92	155357	12.5	8.56	
* 52 Naphthalene-d8	136	5.128	5.134	-0.006	99	458096	5.00	5.00	
58 Hexachloropropene	213	5.233	5.239	-0.006	98	186770	12.5	6.29	
63 N-Nitrosodi-n-butylamine	84	5.554	5.554	-0.006	90	294271	12.5	6.80	
66 Safrole, Total	162	5.753	5.752	-0.006	88	240946	12.5	9.03	
$ 81 2-Fluorobiphenyl (Surr)	172	6.179	6.185	-0.006	100	1303840	25.0	17.9	
* 96 Acenaphthene-d10	164	6.804	6.810	-0.006	96	257158	5.00	5.00	
99 Pentachlorobenzene	250	6.968	6.973	-0.005	98	275829	12.5	8.70	
109 Thionazin	107	7.330	7.336	-0.011	77	114202	12.5	8.37	
111 N-Nitro-o-toluidine	152	7.365	7.359	0.001	91	162255	12.5	8.63	
$ 116 2,4,6-Tribromophenol	330	7.563	7.569	-0.006	93	233475	25.0	19.1	
117 Sulfotepp	97	7.639	7.639	-0.006	78	139632	12.5	6.98	
120 cis-Diallate	86	7.738	7.744	-0.012	93	215780		5.51	
119 Phorate	75	7.750	7.750	-0.006	94	722956	12.5	7.34	
121 Phenacetin	108	7.779	7.785	-0.012	90	373119	12.5	8.42	
123 trans-Diallate	86	7.826	7.820	0.000	95	81063		2.02	
125 Dimethoate	87	7.908	7.914	-0.011	95	246333	12.5	6.58	
* 131 Phenanthrene-d10	188	8.211	8.217	-0.006	97	508603	5.00	5.00	
143 Isodrin	193	9.210	9.209	-0.005	90	124025	12.5	7.54	
* 146 Pyrene-d10 (IS)	212	9.554	9.554	0.000	98	532464	5.00	5.00	
S 68 Diallate	86				0		12.5	7.53	
$ 148 p-Terphenyl-d14	244	9.747	9.753	-0.006	98	1528867	25.0	21.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
154 Kepone	272	10.214	10.214	0.000	27	116958	12.8	9.04	M
* 167 Perylene-d12	264	12.497	12.509	-0.012	98	403452	5.00	5.00	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

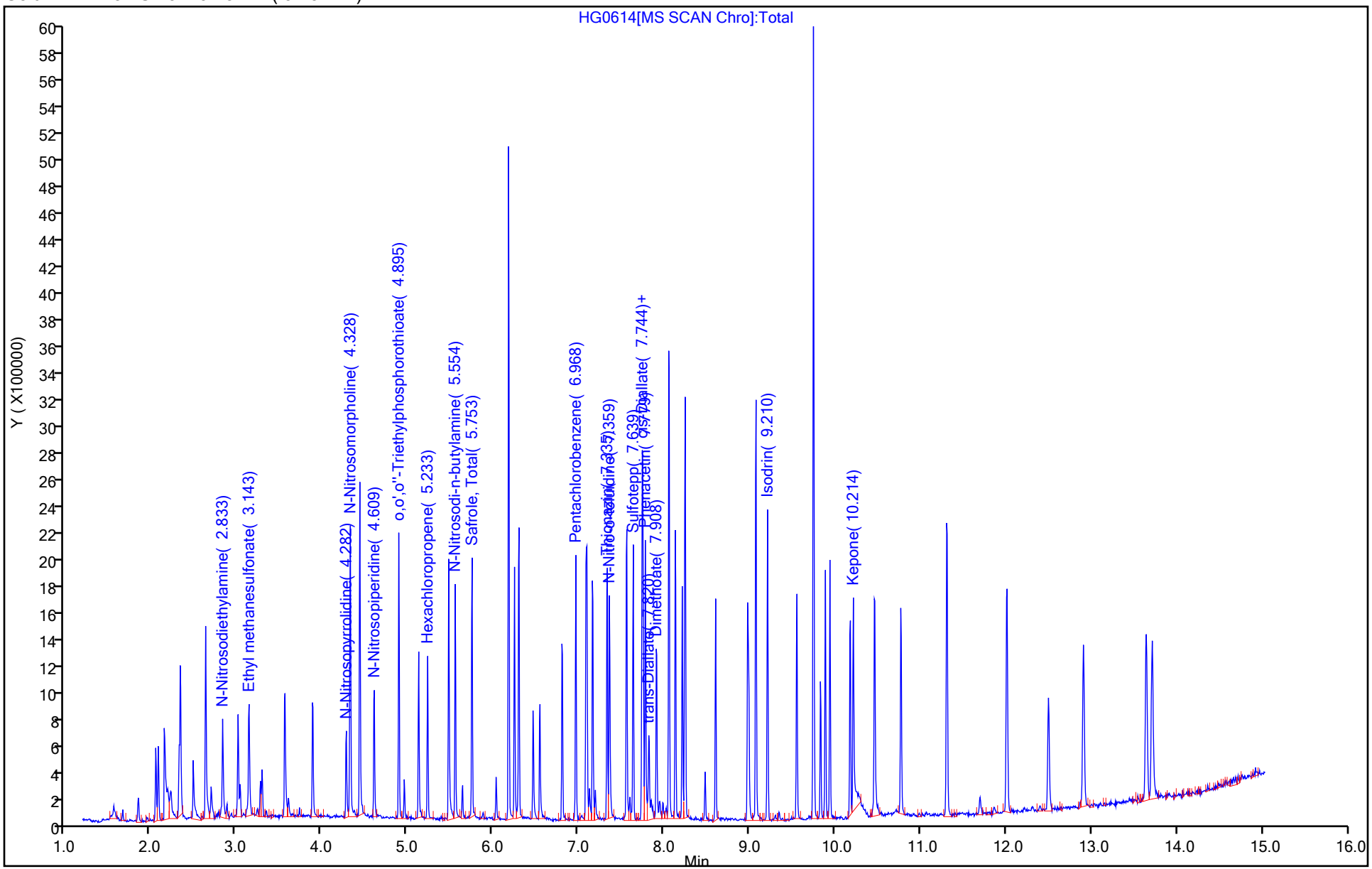
Report Date: 06-Aug-2025 17:27:18 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0614.D

Injection Date:	06-Aug-2025 12:48:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	LCS 410-681120/4-A			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0614.D
Lims ID: LCS 410-681120/4-A
Client ID:
Sample Type: LCS
Inject. Date: 06-Aug-2025 12:48:30 ALS Bottle#: 12 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-681120/4-A
Misc. Info.: 410-0155656-011
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 17:26:53 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: RN6U Date: 06-Aug-2025 17:14:56

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	12.0	47.99
$ 15 Phenol-d5	25.0	8.20	32.80
$ 39 Nitrobenzene-d5	25.0	14.5	58.03
$ 81 2-Fluorobiphenyl (Surr)	25.0	17.9	71.42
$ 116 2,4,6-Tribromophenol	25.0	19.1	76.31
$ 148 p-Terphenyl-d14	25.0	21.3	85.11

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

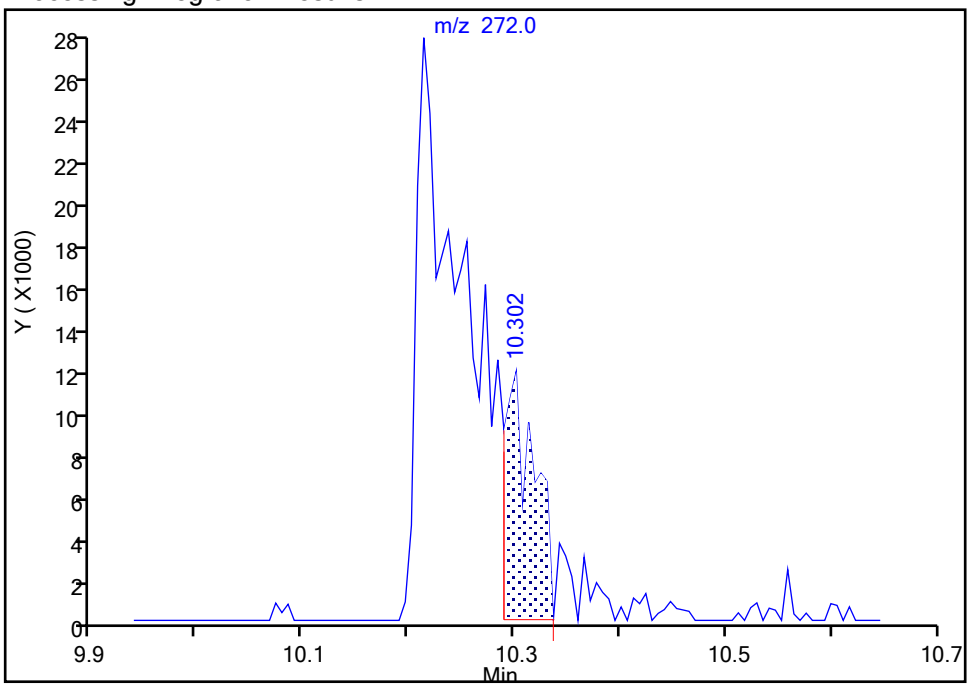
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0614.D				
Injection Date:	06-Aug-2025 12:48:30	Instrument ID:	HP23264		
Lims ID:	LCS 410-681120/4-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	12	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

154 Kepone, CAS: 143-50-0

Signal: 1

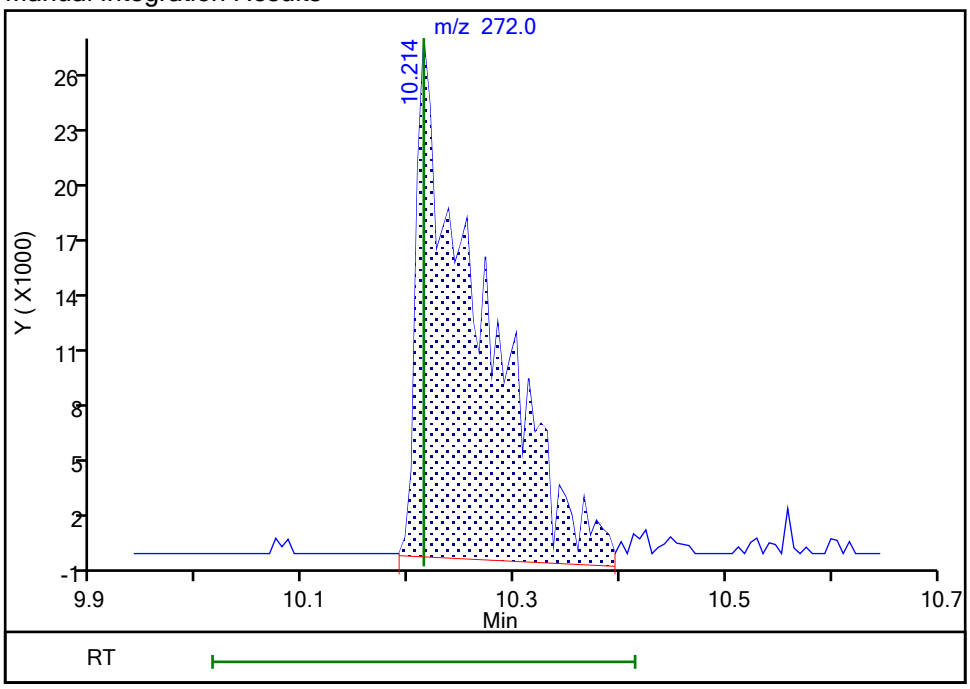
Processing Integration Results

RT: 10.30
Area: 21348
Amount: 1.649839
Amount Units: ug/ml



Manual Integration Results

RT: 10.21
Area: 116958
Amount: 9.038872
Amount Units: ug/ml



Reviewer: RN6U, 06-Aug-2025 17:16:04 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-681385/2-A

Matrix: Water
Lab File ID: HG0708.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 250(mL)
Date Analyzed: 08/07/2025 10:50

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	39.91		10.0	2.00
99-65-0	1,3-Dinitrobenzene	42.73		10.0	2.30
108-60-1	bis (2-chloroisopropyl) ether	37.55		10.0	0.600
58-90-2	2,3,4,6-Tetrachlorophenol	44.85		10.0	1.80
95-95-4	2,4,5-Trichlorophenol	55.25		10.0	2.00
88-06-2	2,4,6-Trichlorophenol	50.89		10.0	1.80
120-83-2	2,4-Dichlorophenol	49.41		10.0	1.59
121-14-2	2,4-Dinitrotoluene	46.27		10.0	2.10
87-65-0	2,6-Dichlorophenol	49.58		10.0	1.40
606-20-2	2,6-Dinitrotoluene	46.72		10.0	2.10
91-58-7	2-Chloronaphthalene	42.14		10.0	0.500
95-57-8	2-Chlorophenol	47.25		10.0	1.00
91-57-6	2-Methylnaphthalene	46.58		10.0	0.290
95-48-7	o-Cresol	47.08		10.0	0.960
88-74-4	2-Nitroaniline	49.27		10.0	1.00
88-75-5	2-Nitrophenol	46.46		10.0	1.27
101-55-3	4-Bromophenyl-phenylether	48.00		10.0	0.560
59-50-7	4-Chloro-3-methylphenol	43.92		10.0	1.00
7005-72-3	4-Chlorophenyl-phenyl ether	43.25		10.0	0.600
106-44-5	m & p-Cresol	44.12		20.0	2.47
83-32-9	Acenaphthene	40.44		10.0	0.350
208-96-8	Acenaphthylene	44.52		10.0	0.480
120-12-7	Anthracene	47.51		10.0	0.520
56-55-3	Benzo[a]anthracene	51.33		10.0	0.450
50-32-8	Benzo[a]pyrene	44.26		10.0	1.50
205-99-2	Benzo[b]fluoranthene	45.35		10.0	1.20
191-24-2	Benzo[g,h,i]perylene	46.84		10.0	0.420
207-08-9	Benzo[k]fluoranthene	43.45		10.0	1.60
218-01-9	Chrysene	50.82		10.0	0.310
53-70-3	Dibenz(a,h)anthracene	50.14		10.0	0.380

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-681385/2-A

Matrix: Water
Lab File ID: HG0708.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 250(mL)
Date Analyzed: 08/07/2025 10:50

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
132-64-9	Dibenzofuran	44.22		10.0	0.600
84-66-2	Diethyl phthalate	42.74		10.0	2.00
206-44-0	Fluoranthene	47.04		10.0	0.420
86-73-7	Fluorene	45.88		10.0	0.380
118-74-1	Hexachlorobenzene	45.44		10.0	0.870
193-39-5	Indeno[1,2,3-cd]pyrene	49.44		10.0	0.150
62-75-9	N-Nitrosodimethylamine	33.87		10.0	2.00
86-30-6	n-Nitrosodiphenylamine(as diphenylamine)	45.31		10.0	0.580
98-95-3	Nitrobenzene	41.97		10.0	0.600
87-86-5	Pentachlorophenol	84.45		10.0	3.00
85-01-8	Phenanthrene	45.51		10.0	0.520
108-95-2	Phenol	30.49		10.0	0.770
129-00-0	Pyrene	48.34		10.0	0.410
117-81-7	Bis(2-ethylhexyl) phthalate	51.90		10.0	2.00

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	82		13-134
321-60-8	2-Fluorobiphenyl (Surr)	73		45-120
367-12-4	2-Fluorophenol (Surr)	65		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	72		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	96		26-123
4165-62-2	Phenol-d5 (Surr)	49		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0708.D
Lims ID: LCS 410-681385/2-A
Client ID:
Sample Type: LCS
Inject. Date: 07-Aug-2025 10:50:30 ALS Bottle#: 8 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-681385/2-A
Misc. Info.: 410-0155808-009
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 15:55:44 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 15:18:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 N-Nitrosodimethylamine	74	1.555	1.546	0.006	93	196099	12.5	8.47	
3 Pyridine	79	1.595	1.587	0.005	94	580082	25.0	14.0	
$ 9 2-Fluorophenol	112	2.641	2.637	0.000	94	453912	25.0	16.4	
13 Benzaldehyde	77	3.458	3.459	-0.006	93	336878	12.5	9.49	
$ 15 Phenol-d5	99	3.563	3.564	-0.006	94	510840	25.0	12.3	
16 Phenol	94	3.581	3.575	0.000	79	371899	12.5	7.62	
18 Bis(2-chloroethyl)ether	93	3.639	3.640	-0.006	89	372018	12.5	10.6	
19 2-Chlorophenol	128	3.686	3.686	-0.006	93	324442	12.5	11.8	
21 1,3-Dichlorobenzene	146	3.826	3.826	-0.006	93	307846	12.5	9.49	
* 22 1,4-Dichlorobenzene-d4	152	3.890	3.890	0.000	96	113574	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.902	3.902	-0.006	88	324815	12.5	9.87	
26 Benzyl alcohol	108	4.048	4.042	0.000	89	245994	12.5	11.7	
27 1,2-Dichlorobenzene	146	4.048	4.048	-0.006	92	323629	12.5	10.5	
29 2-Methylphenol	108	4.170	4.170	-0.006	92	366797	12.5	11.8	
30 2,2'-oxybis[1-chloropropane]	45	4.170	4.170	-0.006	90	603603	12.5	9.39	
32 Acetophenone	105	4.293	4.293	-0.006	91	609323	12.5	12.0	
33 N-Nitrosodi-n-propylamine	70	4.305	4.298	0.000	87	330156	12.5	10.0	
34 4-Methylphenol	108	4.328	4.328	-0.006	90	366725	12.5	11.0	
37 Hexachloroethane	117	4.375	4.368	0.000	91	134855	12.5	8.45	
$ 39 Nitrobenzene-d5	82	4.439	4.439	0.000	91	843540	25.0	18.1	
40 Nitrobenzene	77	4.457	4.462	-0.005	85	509556	12.5	10.5	
42 Isophorone	82	4.696	4.702	-0.006	98	863178	12.5	10.3	
43 2-Nitrophenol	139	4.772	4.772	0.000	90	163629	12.5	11.6	
44 2,4-Dimethylphenol	107	4.842	4.842	0.000	98	429890	12.5	12.4	
47 Bis(2-chloroethoxy)methane	93	4.924	4.924	0.000	95	492712	12.5	10.3	
48 Benzoic acid	105	4.941	4.953	-0.012	90	176938	12.5	6.34	
49 2,4-Dichlorophenol	162	5.017	5.017	0.000	95	319674	12.5	12.4	
50 1,2,4-Trichlorobenzene	180	5.076	5.081	-0.005	93	294375	12.5	9.31	
* 52 Naphthalene-d8	136	5.128	5.128	0.000	100	391099	5.00	5.00	
53 Naphthalene	128	5.146	5.151	-0.005	98	911312	12.5	10.9	
56 4-Chloroaniline	127	5.227	5.227	0.000	79	320138	12.5	9.73	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
57 2,6-Dichlorophenol	162	5.227	5.227	0.000	86	329178	12.5	12.4	
59 Hexachlorobutadiene	225	5.274	5.280	-0.006	94	174033	12.5	8.72	
62 Caprolactam	113	5.560	5.566	-0.006	77	30135	12.5	3.93	
65 4-Chloro-3-methylphenol	107	5.724	5.730	-0.006	92	360452	12.5	11.0	
67 2-Methylnaphthalene	142	5.817	5.823	-0.006	92	572230	12.5	11.6	
69 1-Methylnaphthalene	142	5.911	5.911	0.000	93	579973	12.5	10.8	
71 Hexachlorocyclopentadiene	237	5.969	5.975	-0.006	92	99939	12.5	3.91	
70 1,2,4,5-Tetrachlorobenzene	216	5.981	5.986	-0.005	96	359628	12.5	9.98	
79 2,4,6-Trichlorophenol	196	6.109	6.109	0.000	93	254587	12.5	12.7	
80 2,4,5-Trichlorophenol	196	6.150	6.156	-0.006	93	308273	12.5	13.8	
$ 81 2-Fluorobiphenyl (Surr)	172	6.179	6.185	-0.006	100	1259304	25.0	18.3	
83 1,1'-Biphenyl	154	6.273	6.273	0.000	96	760286	12.5	10.9	
84 2-Chloronaphthalene	162	6.284	6.284	0.000	97	614239	12.5	10.5	
87 2-Nitroaniline	138	6.401	6.407	-0.006	76	203445	12.5	12.3	
90 Dimethyl phthalate	163	6.588	6.588	0.000	96	566882	12.5	8.14	
91 1,3-Dinitrobenzene	168	6.617	6.617	0.000	80	97692	12.5	10.7	
92 2,6-Dinitrotoluene	165	6.640	6.646	-0.006	88	173939	12.5	11.7	
93 Acenaphthylene	152	6.670	6.675	-0.005	99	1023517	12.5	11.1	
95 3-Nitroaniline	138	6.798	6.804	-0.006	85	169355	12.5	11.8	
* 96 Acenaphthene-d10	164	6.810	6.804	0.006	94	242821	5.00	5.00	
97 Acenaphthene	153	6.839	6.839	0.000	96	604819	12.5	10.1	
98 2,4-Dinitrophenol	184	6.903	6.903	0.000	78	192559	25.0	19.8	
101 Dibenzofuran	168	7.002	7.008	-0.006	97	921291	12.5	11.1	
100 4-Nitrophenol	109	7.008	7.014	-0.006	86	224970	25.0	19.6	
102 2,4-Dinitrotoluene	165	7.020	7.026	-0.006	85	236738	12.5	11.6	
105 2,3,4,6-Tetrachlorophenol	232	7.137	7.143	-0.006	74	217554	12.5	11.2	
107 Diethyl phthalate	149	7.259	7.265	-0.006	96	745801	12.5	10.7	
108 Fluorene	166	7.329	7.329	0.000	93	730341	12.5	11.5	
110 4-Chlorophenyl phenyl ether	204	7.347	7.347	0.000	96	370466	12.5	10.8	
112 4-Nitroaniline	138	7.376	7.382	-0.006	77	166775	12.5	12.1	
113 4,6-Dinitro-2-methylphenol	198	7.405	7.405	0.000	75	295289	25.0	24.1	
114 N-Nitrosodiphenylamine	169	7.464	7.464	0.000	61	582997	10.6	11.3	
115 1,2-Diphenylhydrazine	77	7.493	7.493	0.000	99	1025466	12.5	10.2	
$ 116 2,4,6-Tribromophenol	330	7.563	7.563	0.000	93	235815	25.0	20.4	
122 4-Bromophenyl phenyl ether	248	7.802	7.808	-0.006	68	239062	12.5	12.0	
124 Hexachlorobenzene	284	7.849	7.849	0.000	92	270668	12.5	11.4	
126 Atrazine	200	7.989	7.995	-0.006	87	208300	12.5	10.5	
127 Pentachlorophenol	266	8.048	8.053	-0.005	90	310068	25.0	21.1	
* 131 Phenanthrene-d10	188	8.211	8.211	0.000	97	443288	5.00	5.00	
132 Phenanthrene	178	8.234	8.234	0.000	98	1114423	12.5	11.4	
135 Anthracene	178	8.281	8.287	-0.006	98	1141403	12.5	11.9	
136 Carbazole	167	8.456	8.456	0.000	96	1077477	12.5	12.5	
138 Di-n-butyl phthalate	149	8.818	8.824	-0.006	99	1287293	12.5	12.8	
144 Fluoranthene	202	9.361	9.361	0.000	98	1266322	12.5	11.8	
* 146 Pyrene-d10 (IS)	212	9.554	9.554	0.000	98	468202	5.00	5.00	
147 Pyrene	202	9.572	9.566	0.000	98	1382636	12.5	12.1	
$ 148 p-Terphenyl-d14	244	9.747	9.747	-0.006	98	1520821	25.0	24.1	
153 Butyl benzyl phthalate	149	10.243	10.237	0.000	94	484690	12.5	11.7	
156 Benzo[a]anthracene	228	10.757	10.756	-0.006	98	1160772	12.5	12.8	
157 3,3'-Dichlorobenzidine	252	10.763	10.756	0.000	75	725333	25.0	22.0	
159 Chrysene	228	10.792	10.791	-0.006	97	1116852	12.5	12.7	
160 Bis(2-ethylhexyl) phthalate	149	10.874	10.867	0.000	95	718811	12.5	13.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Di-n-octyl phthalate	149	11.644	11.650	-0.006	99	1190671	12.5	13.1	
164 Benzo[b]fluoranthene	252	12.012	12.018	-0.006	96	962241	12.5	11.3	
165 Benzo[k]fluoranthene	252	12.042	12.047	-0.005	98	952305	12.5	10.9	
166 Benzo[a]pyrene	252	12.421	12.427	-0.006	76	897114	12.5	11.1	
* 167 Perylene-d12	264	12.497	12.497	0.000	98	348889	5.00	5.00	
171 Indeno[1,2,3-cd]pyrene	276	13.928	13.939	-0.011	99	920064	12.5	12.4	
172 Dibenz(a,h)anthracene	278	13.974	13.980	-0.006	92	880034	12.5	12.5	
173 Benzo[g,h,i]perylene	276	14.278	14.284	-0.006	97	889043	12.5	11.7	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

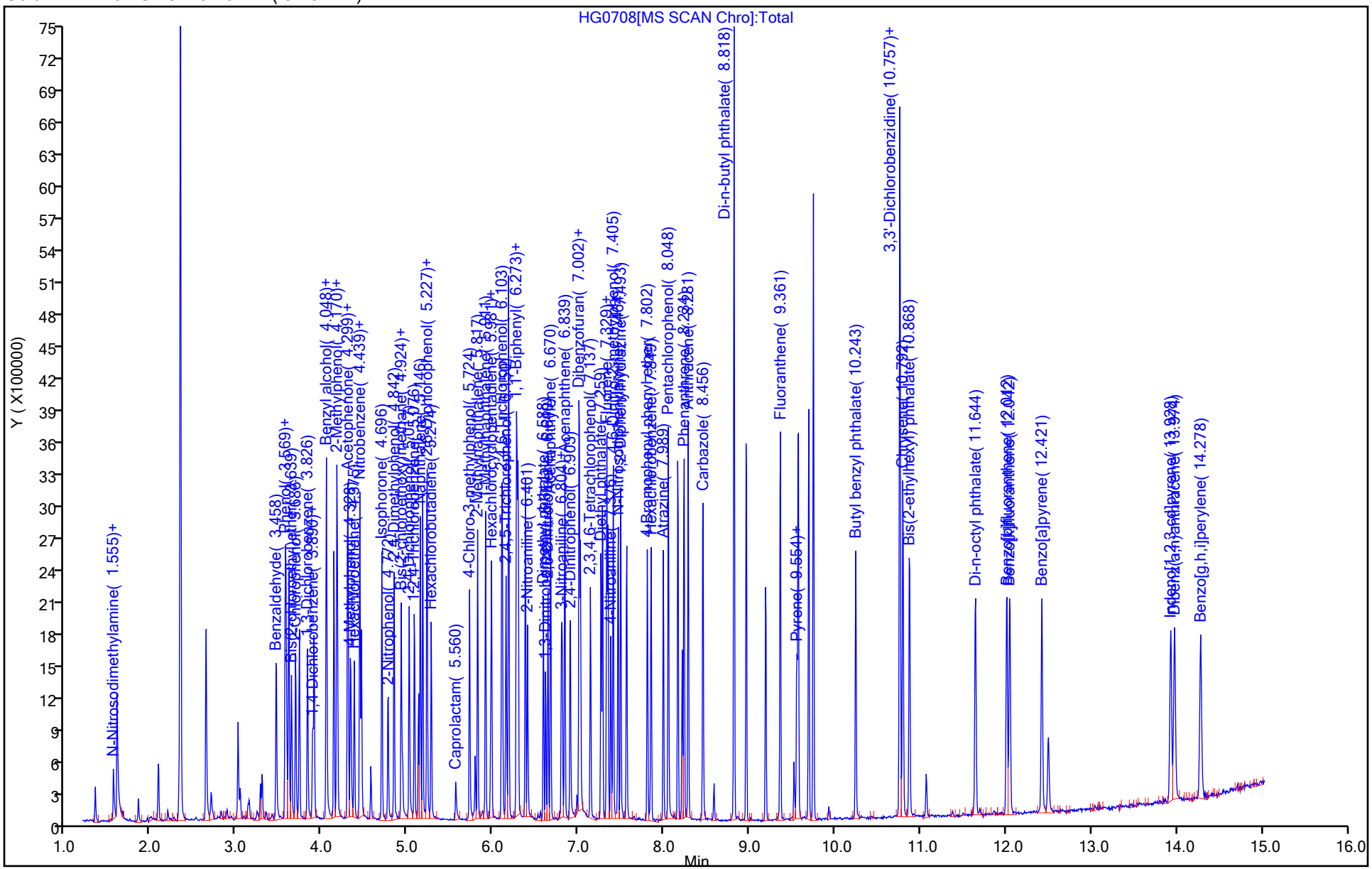
Report Date: 07-Aug-2025 19:27:25 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0708.D

Injection Date:	07-Aug-2025 10:50:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	LCS 410-681385/2-A			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0708.D
Lims ID: LCS 410-681385/2-A
Client ID:
Sample Type: LCS
Inject. Date: 07-Aug-2025 10:50:30 ALS Bottle#: 8 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-681385/2-A
Misc. Info.: 410-0155808-009
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 15:55:44 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 15:18:39

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	16.4	65.48
$ 15 Phenol-d5	25.0	12.3	49.18
$ 39 Nitrobenzene-d5	25.0	18.1	72.32
$ 81 2-Fluorobiphenyl (Surr)	25.0	18.3	73.05
$ 116 2,4,6-Tribromophenol	25.0	20.4	81.63
$ 148 p-Terphenyl-d14	25.0	24.1	96.28

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-681385/3-A

Matrix: Water
Lab File ID: HG0709.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 250(mL)
Date Analyzed: 08/07/2025 11:11

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
99-55-8	5-Nitro-o-toluidine	39.73		10.0	2.00
2303-16-4	Diallate	38.46		10.0	3.00
60-51-5	Dimethoate	19.14		10.0	3.00
62-50-0	Ethyl methanesulfonate	43.01		10.0	1.10
1888-71-7	Hexachloropropene	20.83		10.0	2.00
465-73-6	Isodrin	39.23		10.0	1.10
143-50-0	Kepone	43.12	J	50.0	25.0
55-18-5	N-Nitrosodiethylamine	36.55		10.0	3.00
59-89-2	N-Nitrosomorpholine	35.52		10.0	3.00
100-75-4	N-Nitrosopiperidine	41.77		10.0	1.10
126-68-1	o,o',o''-Triethylphosphorothioate	40.72		10.0	2.60
608-93-5	Pentachlorobenzene	35.31		10.0	1.60
62-44-2	Phenacetin	42.47		10.0	1.40
298-02-2	Phorate	32.41		10.0	2.50
94-59-7	Safrole, Total	40.78		10.0	2.20
3689-24-5	Sulfotepp	32.11		10.0	2.40
297-97-2	O,O-Diethyl O-2-pyrazinyl phosphorothioate	44.94		10.0	2.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	82		13-134
321-60-8	2-Fluorobiphenyl (Surr)	81		45-120
367-12-4	2-Fluorophenol (Surr)	65		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	74		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	104		26-123
4165-62-2	Phenol-d5 (Surr)	46		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0709.D
Lims ID: LCS 410-681385/3-A
Client ID:
Sample Type: LCS
Inject. Date: 07-Aug-2025 11:11:30 ALS Bottle#: 9 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-681385/3-A
Misc. Info.: 410-0155808-010
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 15:55:44 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 15:20:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 9 2-Fluorophenol	112	2.635	2.637	-0.006	94	485043	25.0	16.2	
11 N-Nitrosodiethylamine	102	2.834	2.829	0.001	92	165572	12.5	9.14	
12 Ethyl methanesulfonate	109	3.143	3.138	0.000	95	187800	12.5	10.8	
$ 15 Phenol-d5	99	3.563	3.564	-0.006	94	513491	25.0	11.4	
* 22 1,4-Dichlorobenzene-d4	152	3.885	3.890	-0.005	97	122926	5.00	5.00	
35 N-Nitrosomorpholine	56	4.323	4.322	-0.005	89	251497	12.5	8.88	
$ 39 Nitrobenzene-d5	82	4.439	4.439	0.000	88	984646	25.0	18.6	
41 N-Nitrosopiperidine	114	4.609	4.608	0.001	81	190257	12.5	10.4	
46 o,o',o''-Triethylphosphorothioat	198	4.895	4.900	-0.005	92	178896	12.5	10.2	
* 52 Naphthalene-d8	136	5.128	5.128	0.000	100	443464	5.00	5.00	
58 Hexachloropropene	213	5.233	5.225	0.000	97	149772	12.5	5.21	
66 Safrole, Total	162	5.753	5.753	0.000	85	263206	12.5	10.2	
$ 81 2-Fluorobiphenyl (Surr)	172	6.179	6.185	-0.006	99	1413479	25.0	20.1	
* 96 Acenaphthene-d10	164	6.804	6.804	0.000	96	247240	5.00	5.00	
99 Pentachlorobenzene	250	6.968	6.967	0.001	97	268960	12.5	8.83	
109 Thionazin	107	7.330	7.335	-0.005	76	147397	12.5	11.2	
111 N-Nitro-o-toluidine	152	7.365	7.364	0.001	91	179467	12.5	9.93	
$ 116 2,4,6-Tribromophenol	330	7.563	7.563	0.000	93	240939	25.0	20.5	
117 Sulfotepp	97	7.639	7.639	0.000	76	143751	12.5	8.03	
120 cis-Diallate	86	7.738	7.744	-0.006	95	246244		7.03	
119 Phorate	75	7.750	7.750	0.000	93	713588	12.5	8.10	
121 Phenacetin	108	7.779	7.785	-0.006	91	421190	12.5	10.6	
123 trans-Diallate	86	7.820	7.826	-0.006	96	93033		2.59	
125 Dimethoate	87	7.908	7.919	-0.011	95	160345	12.5	4.78	
* 131 Phenanthrene-d10	188	8.211	8.211	0.000	97	455045	5.00	5.00	
143 Isodrin	193	9.210	9.215	-0.005	91	144333	12.5	9.81	
* 146 Pyrene-d10 (IS)	212	9.554	9.554	0.000	99	459384	5.00	5.00	
S 68 Diallate	86				0		12.5	9.62	
$ 148 p-Terphenyl-d14	244	9.747	9.747	-0.006	98	1613248	25.0	26.0	
154 Kepone	272	10.278	10.202	0.070	91	120345	12.8	10.8	M
* 167 Perylene-d12	264	12.497	12.497	0.000	98	363917	5.00	5.00	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_IS_00111	Amount Added:	20.00	Units: uL	Run Reagent

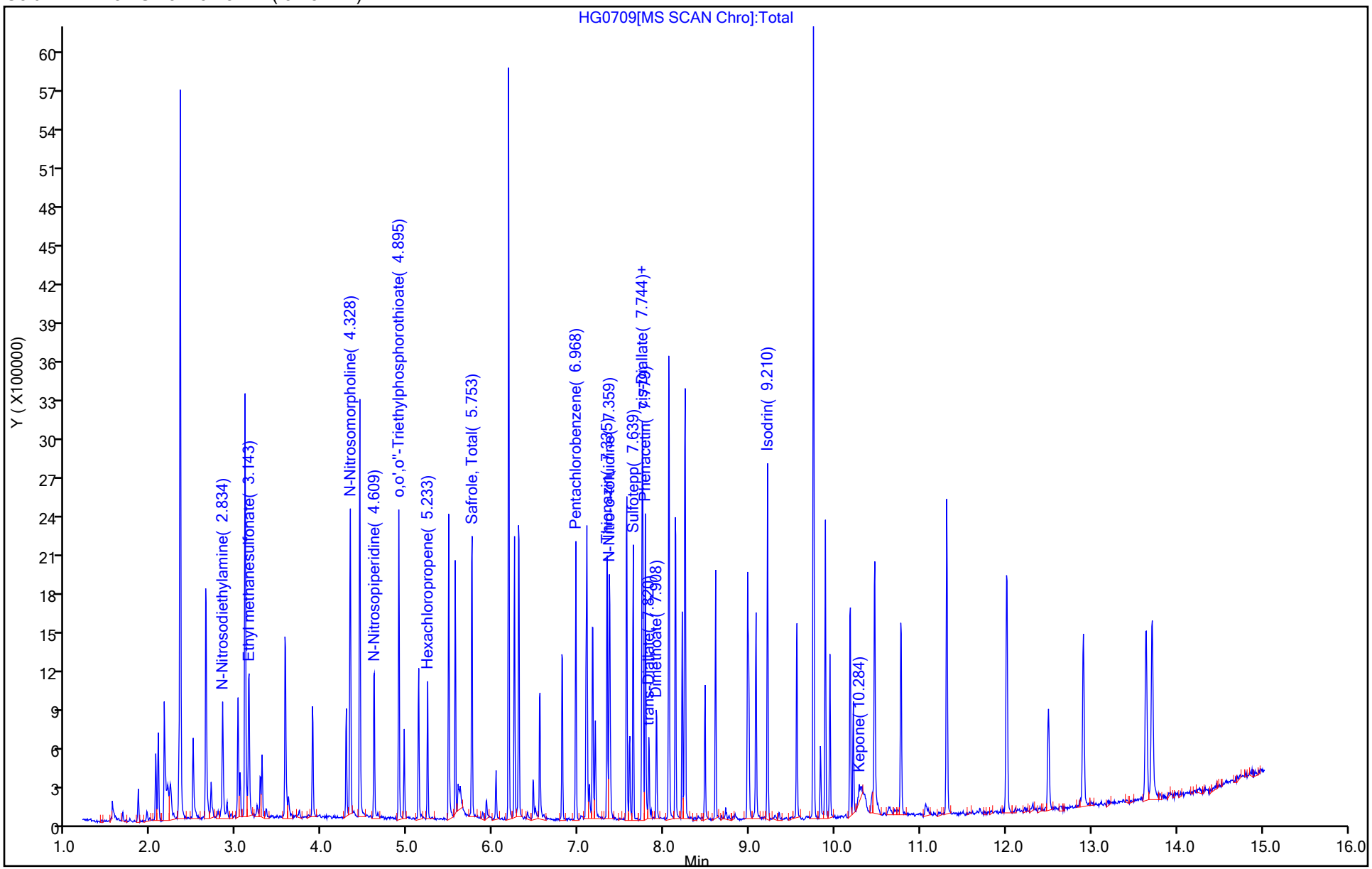
Report Date: 07-Aug-2025 19:27:28 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0709.D

Injection Date:	07-Aug-2025 11:11:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	LCS 410-681385/3-A			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0709.D
Lims ID: LCS 410-681385/3-A
Client ID:
Sample Type: LCS
Inject. Date: 07-Aug-2025 11:11:30 ALS Bottle#: 9 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-681385/3-A
Misc. Info.: 410-0155808-010
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 15:55:44 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 15:20:36

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	16.2	64.65
$ 15 Phenol-d5	25.0	11.4	45.67
$ 39 Nitrobenzene-d5	25.0	18.6	74.45
$ 81 2-Fluorobiphenyl (Surr)	25.0	20.1	80.53
$ 116 2,4,6-Tribromophenol	25.0	20.5	81.91
$ 148 p-Terphenyl-d14	25.0	26.0	104.09

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

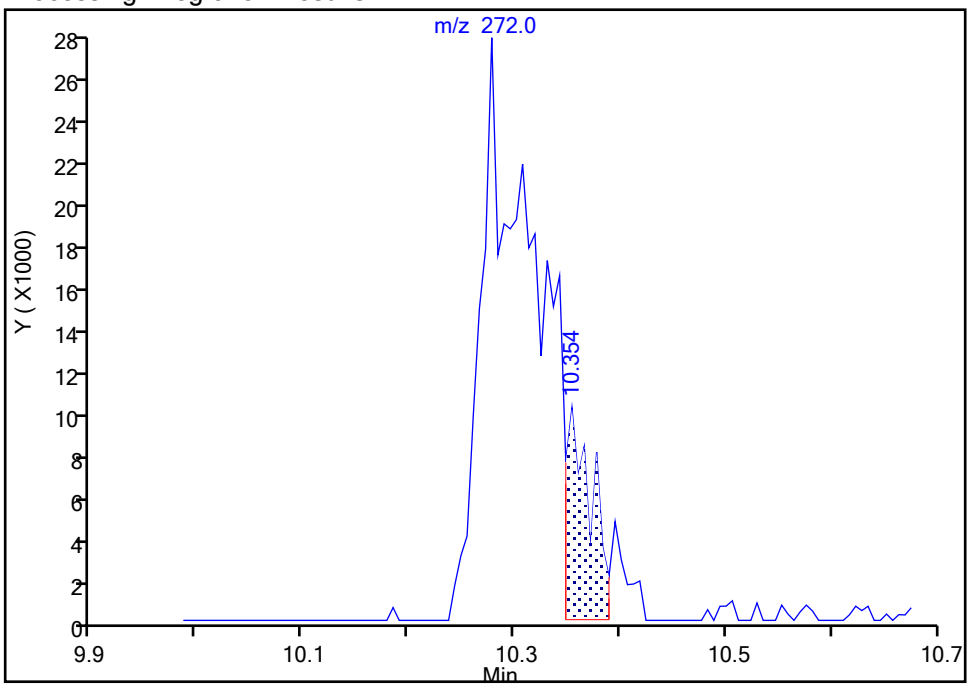
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0709.D				
Injection Date:	07-Aug-2025 11:11:30	Instrument ID:	HP23264		
Lims ID:	LCS 410-681385/3-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

154 Kepone, CAS: 143-50-0

Signal: 1

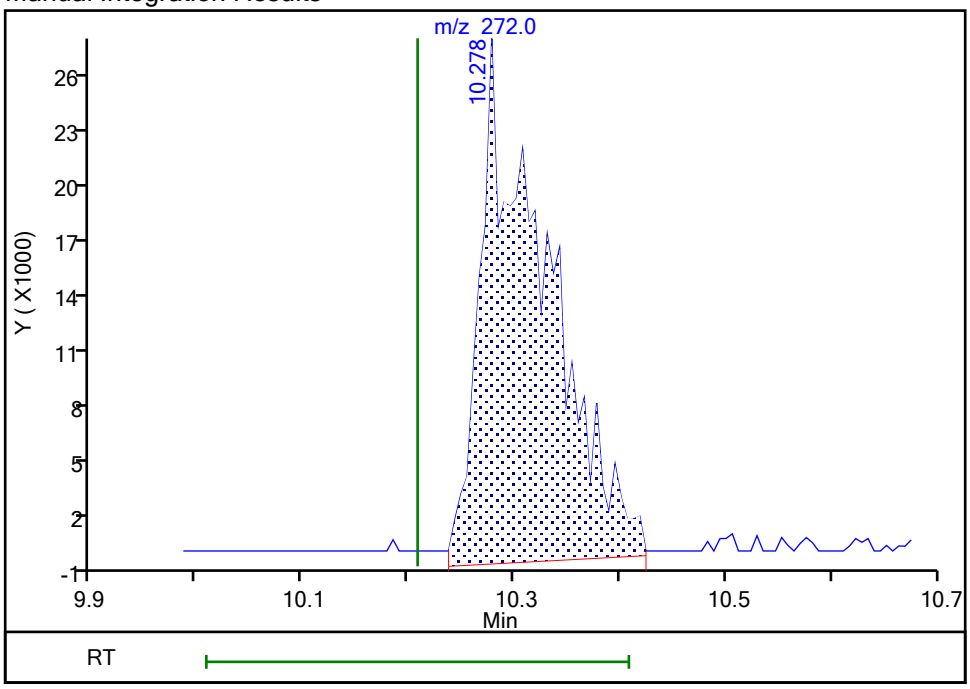
Processing Integration Results

RT: 10.35
Area: 15411
Amount: 1.380478
Amount Units: ug/ml



Manual Integration Results

RT: 10.28
Area: 120345
Amount: 10.780198
Amount Units: ug/ml



Reviewer: RN6U, 07-Aug-2025 15:20:23 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-683371/2-A

Matrix: Water
Lab File ID: DH1156.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/10/2025 16:20

Sample wt/vol: 250(mL)
Date Analyzed: 08/11/2025 22:42

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 683977
Units: ug/L

Preparation Batch No.: 683371
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	40.45		10.0	2.00
99-65-0	1,3-Dinitrobenzene	38.62		10.0	2.30
108-60-1	bis (2-chloroisopropyl) ether	66.53		10.0	0.600
58-90-2	2,3,4,6-Tetrachlorophenol	41.84		10.0	1.80
95-95-4	2,4,5-Trichlorophenol	46.38		10.0	2.00
88-06-2	2,4,6-Trichlorophenol	43.08		10.0	1.80
120-83-2	2,4-Dichlorophenol	45.07		10.0	1.59
121-14-2	2,4-Dinitrotoluene	44.06		10.0	2.10
87-65-0	2,6-Dichlorophenol	46.92		10.0	1.40
606-20-2	2,6-Dinitrotoluene	44.99		10.0	2.10
91-58-7	2-Chloronaphthalene	37.76		10.0	0.500
95-57-8	2-Chlorophenol	40.83		10.0	1.00
91-57-6	2-Methylnaphthalene	46.72		10.0	0.290
95-48-7	o-Cresol	38.79		10.0	0.960
88-74-4	2-Nitroaniline	40.23		10.0	1.00
88-75-5	2-Nitrophenol	45.10		10.0	1.27
101-55-3	4-Bromophenyl-phenylether	44.83		10.0	0.560
59-50-7	4-Chloro-3-methylphenol	41.74		10.0	1.00
7005-72-3	4-Chlorophenyl-phenyl ether	41.16		10.0	0.600
106-44-5	m & p-Cresol	33.63		20.0	2.47
83-32-9	Acenaphthene	39.59		10.0	0.350
208-96-8	Acenaphthylene	41.64		10.0	0.480
120-12-7	Anthracene	46.75		10.0	0.520
56-55-3	Benzo[a]anthracene	42.92		10.0	0.450
50-32-8	Benzo[a]pyrene	45.80		10.0	1.50
205-99-2	Benzo[b]fluoranthene	39.29		10.0	1.20
191-24-2	Benzo[g,h,i]perylene	43.19		10.0	0.420
207-08-9	Benzo[k]fluoranthene	47.34		10.0	1.60
218-01-9	Chrysene	46.60		10.0	0.310

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-683371/2-A

Matrix: Water
Lab File ID: DH1156.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/10/2025 16:20

Sample wt/vol: 250(mL)
Date Analyzed: 08/11/2025 22:42

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 683977
Units: ug/L

Preparation Batch No.: 683371
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2303-16-4	*Diallate*	*Missing Input*		*10.0*	*3.00*
53-70-3	*Dibenz(a,h)anthracene*	*44.56*		*10.0*	*0.380*
132-64-9	*Dibenzofuran*	*40.42*		*10.0*	*0.600*
84-66-2	*Diethyl phthalate*	*37.63*		*10.0*	*2.00*
206-44-0	*Fluoranthene*	*44.87*		*10.0*	*0.420*
86-73-7	*Fluorene*	*42.63*		*10.0*	*0.380*
118-74-1	*Hexachlorobenzene*	*43.86*		*10.0*	*0.870*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*43.88*		*10.0*	*0.150*
62-75-9	*N-Nitrosodimethylamine*	*31.02*		*10.0*	*2.00*
86-30-6	*n-Nitrosodiphenylamine(as diphenylamine)*	*37.98*		*10.0*	*0.580*
98-95-3	*Nitrobenzene*	*46.35*		*10.0*	*0.600*
87-86-5	*Pentachlorophenol*	*88.42*		*10.0*	*3.00*
85-01-8	*Phenanthrene*	*44.01*		*10.0*	*0.520*
108-95-2	*Phenol*	*19.88*		*10.0*	*0.770*
129-00-0	*Pyrene*	*42.33*		*10.0*	*0.410*
117-81-7	*Bis(2-ethylhexyl) phthalate*	*42.39*		*10.0*	*2.00*

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	74		13-134
321-60-8	2-Fluorobiphenyl (Surr)	66		45-120
367-12-4	2-Fluorophenol (Surr)	41		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	71		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	84		26-123
4165-62-2	Phenol-d5 (Surr)	32		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1156.D
Lims ID: LCS 410-683371/2-A
Client ID:
Sample Type: LCS
Inject. Date: 11-Aug-2025 22:42:26 ALS Bottle#: 6 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-683371/2-A
Misc. Info.: 410-0156268-008
Operator ID: EEA115318 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 12-Aug-2025 13:55:32 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1712

First Level Reviewer: W6ZA Date: 12-Aug-2025 13:41:33

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	2 1,4-Dioxane	88	1.338	1.332	0.006	97	114454	12.5	5.98	
	3 N-Nitrosodimethylamine	74	1.542	1.536	0.006	91	212373	12.5	7.75	
	4 Pyridine	79	1.571	1.559	0.012	96	552542	25.0	11.4	
	6 Dimethylformamide	73		1.827				12.5	ND	7
$	10 2-Fluorophenol	112	2.602	2.602	0.000	94	466201	25.0	10.3	
	15 Benzaldehyde	77	3.407	3.407	0.000	96	471341	12.5	11.0	
$	16 Phenol-d5	99	3.518	3.517	0.006	93	498120	25.0	8.01	
	17 Phenol	94	3.529	3.529	0.000	93	348977	12.5	4.97	
	19 Bis(2-chloroethyl)ether	93	3.582	3.587	-0.005	93	556145	12.5	10.9	
	20 2-Chlorophenol	128	3.640	3.645	0.000	95	466937	12.5	10.2	
*	22 1,4-Dichlorobenzene-d4	152	3.838	3.838	0.000	95	173252	5.00	5.00	
	29 2,2'-oxybis[1-chloropropane]	45	4.112	4.118	-0.006	87	761079	12.5	16.6	
	28 2-Methylphenol	108	4.118	4.124	-0.006	76	422921	12.5	9.70	
	34 Acetophenone	105	4.234	4.240	-0.006	95	734574	12.5	10.1	
	33 N-Nitrosodi-n-propylamine	70	4.240	4.246	-0.006	85	393514	12.5	11.1	
	32 4-Methylphenol	108	4.275	4.281	-0.006	96	423201	12.5	8.41	
	38 Hexachloroethane	117	4.322	4.322	0.000	94	192765	12.5	8.92	
$	39 Nitrobenzene-d5	82	4.380	4.386	-0.006	89	912193	25.0	17.7	
	40 Nitrobenzene	77	4.398	4.403	-0.005	87	586162	12.5	11.6	
	43 Isophorone	82	4.637	4.636	0.001	97	1045474	12.5	11.7	
	44 2-Nitrophenol	139	4.712	4.712	0.000	90	247958	12.5	11.3	
	45 2,4-Dimethylphenol	107	4.782	4.782	0.000	95	496398	12.5	10.4	
	47 Bis(2-chloroethoxy)methane	93	4.864	4.864	0.000	97	658471	12.5	11.2	
	48 2,4-Dichlorophenol	162	4.963	4.963	0.000	95	387536	12.5	11.3	
*	50 Naphthalene-d8	136	5.068	5.074	-0.006	99	611776	5.00	5.00	
	51 Naphthalene	128	5.091	5.091	0.000	97	1364220	12.5	10.4	
	53 4-Chloroaniline	127	5.161	5.167	-0.006	95	416009	12.5	8.02	
	54 2,6-Dichlorophenol	162	5.167	5.167	0.000	95	399330	12.5	11.7	
	56 Hexachlorobutadiene	225	5.219	5.219	0.000	95	243854	12.5	10.6	
	61 Caprolactam	113	5.476	5.475	-0.006	77	33529	12.5	2.70	
	64 4-Chloro-3-methylphenol	107	5.662	5.668	-0.006	96	417341	12.5	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
66 2-Methylnaphthalene	142	5.762	5.761	0.001	93	863733	12.5	11.7	
68 Hexachlorocyclopentadiene	237	5.907	5.913	-0.006	93	235731	12.5	7.91	
69 1,2,4,5-Tetrachlorobenzene	216	5.919	5.930	-0.006	96	460745	12.5	10.1	
71 2,4,6-Trichlorophenol	196	6.047	6.047	0.000	92	286525	12.5	10.8	
72 2,4,5-Trichlorophenol	196	6.094	6.100	-0.005	93	338402	12.5	11.6	
$ 73 2-Fluorobiphenyl (Surr)	172	6.117	6.123	-0.006	100	1684168	25.0	16.5	
75 1,1'-Biphenyl	154	6.210	6.210	0.000	96	1150383	12.5	10.0	
76 2-Chloronaphthalene	162	6.222	6.222	0.000	97	848202	12.5	9.44	
79 2-Nitroaniline	138	6.333	6.338	-0.005	80	281557	12.5	10.1	
85 Dimethyl phthalate	163	6.519	6.519	0.000	99	921347	12.5	9.32	
86 1,3-Dinitrobenzene	168	6.543	6.542	0.001	86	157973	12.5	9.66	
87 2,6-Dinitrotoluene	165	6.566	6.572	-0.006	94	237067	12.5	11.2	
88 Acenaphthylene	152	6.607	6.612	-0.005	99	1429521	12.5	10.4	
89 3-Nitroaniline	138	6.729	6.729	0.000	90	204849	12.5	8.72	
* 90 Acenaphthene-d10	164	6.741	6.741	0.000	94	364363	5.00	5.00	
91 Acenaphthene	153	6.776	6.776	0.000	95	919130	12.5	9.90	
92 2,4-Dinitrophenol	184	6.828	6.834	-0.006	86	269357	25.0	18.4	
96 Dibenzofuran	168	6.939	6.945	-0.006	98	1283453	12.5	10.1	
93 4-Nitrophenol	109	6.951	6.951	0.001	61	162951	25.0	10.4	
95 2,4-Dinitrotoluene	165	6.951	6.950	0.001	86	319591	12.5	11.0	
98 2,3,4,6-Tetrachlorophenol	232	7.073	7.079	0.000	72	253509	12.5	10.5	
100 Diethyl phthalate	149	7.190	7.195	-0.005	98	936753	12.5	9.41	
102 Fluorene	166	7.265	7.265	0.000	93	1054422	12.5	10.7	
103 4-Chlorophenyl phenyl ether	204	7.277	7.283	-0.006	91	503536	12.5	10.3	
105 4-Nitroaniline	138	7.300	7.306	-0.006	83	221266	12.5	9.58	
106 4,6-Dinitro-2-methylphenol	198	7.329	7.335	-0.006	86	399304	25.0	23.3	
107 N-Nitrosodiphenylamine	169	7.394	7.393	0.001	63	744990	10.6	9.49	
$ 109 2,4,6-Tribromophenol	330	7.493	7.498	-0.005	94	272052	25.0	18.5	
116 4-Bromophenyl phenyl ether	248	7.737	7.737	0.000	64	306622	12.5	11.2	
118 Hexachlorobenzene	284	7.778	7.778	0.000	95	336100	12.5	11.0	
120 Atrazine	200	7.912	7.918	-0.006	92	310406	12.5	12.6	
121 Pentachlorophenol	266	7.976	7.982	-0.006	93	388247	25.0	22.1	
* 126 Phenanthrene-d10	188	8.140	8.140	0.000	97	612286	5.00	5.00	
128 Phenanthrene	178	8.163	8.169	-0.006	98	1488010	12.5	11.0	
129 Anthracene	178	8.210	8.215	-0.005	98	1550046	12.5	11.7	
130 Carbazole	167	8.379	8.384	-0.005	95	1356959	12.5	10.9	
133 Di-n-butyl phthalate	149	8.740	8.746	-0.006	100	1519362	12.5	11.5	
143 Fluoranthene	202	9.288	9.288	0.000	98	1578132	12.5	11.2	
* 149 Pyrene-d10 (IS)	212	9.480	9.480	0.000	99	608429	5.00	5.00	
150 Pyrene	202	9.498	9.492	0.000	97	1645488	12.5	10.6	
$ 152 p-Terphenyl-d14	244	9.673	9.672	-0.005	98	1970418	25.0	21.1	
157 Butyl benzyl phthalate	149	10.162	10.162	-0.006	97	593379	12.5	10.3	
159 3,3'-Dichlorobenzidine	252	10.669	10.675	-0.006	63	674017	25.0	14.4	
161 Benzo[a]anthracene	228	10.669	10.668	-0.006	99	1309503	12.5	10.7	
162 Chrysene	228	10.710	10.709	-0.006	97	1423175	12.5	11.7	
163 Bis(2-ethylhexyl) phthalate	149	10.780	10.779	-0.006	98	830843	12.5	10.6	
165 Di-n-octyl phthalate	149	11.538	11.532	0.000	99	1231292	12.5	11.0	
167 Benzo[b]fluoranthene	252	11.899	11.905	-0.006	97	1100613	12.5	9.82	
168 Benzo[k]fluoranthene	252	11.928	11.934	-0.012	99	1378491	12.5	11.8	
169 Benzo[a]pyrene	252	12.301	12.301	-0.006	77	1159728	12.5	11.5	
* 170 Perylene-d12	264	12.371	12.377	-0.006	98	461135	5.00	5.00	
174 Indeno[1,2,3-cd]pyrene	276	13.782	13.781	-0.005	99	1001128	12.5	11.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
175 Dibenz(a,h)anthracene	278	13.823	13.827	-0.011	92	1065885	12.5	11.1	
176 Benzo[g,h,i]perylene	276	14.120	14.125	-0.011	98	1047068	12.5	10.8	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 12-Aug-2025 13:56:18 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1156.D

Injection Date: 11-Aug-2025 22:42:26 Instrument ID: HP19760 Operator ID: EEA115318

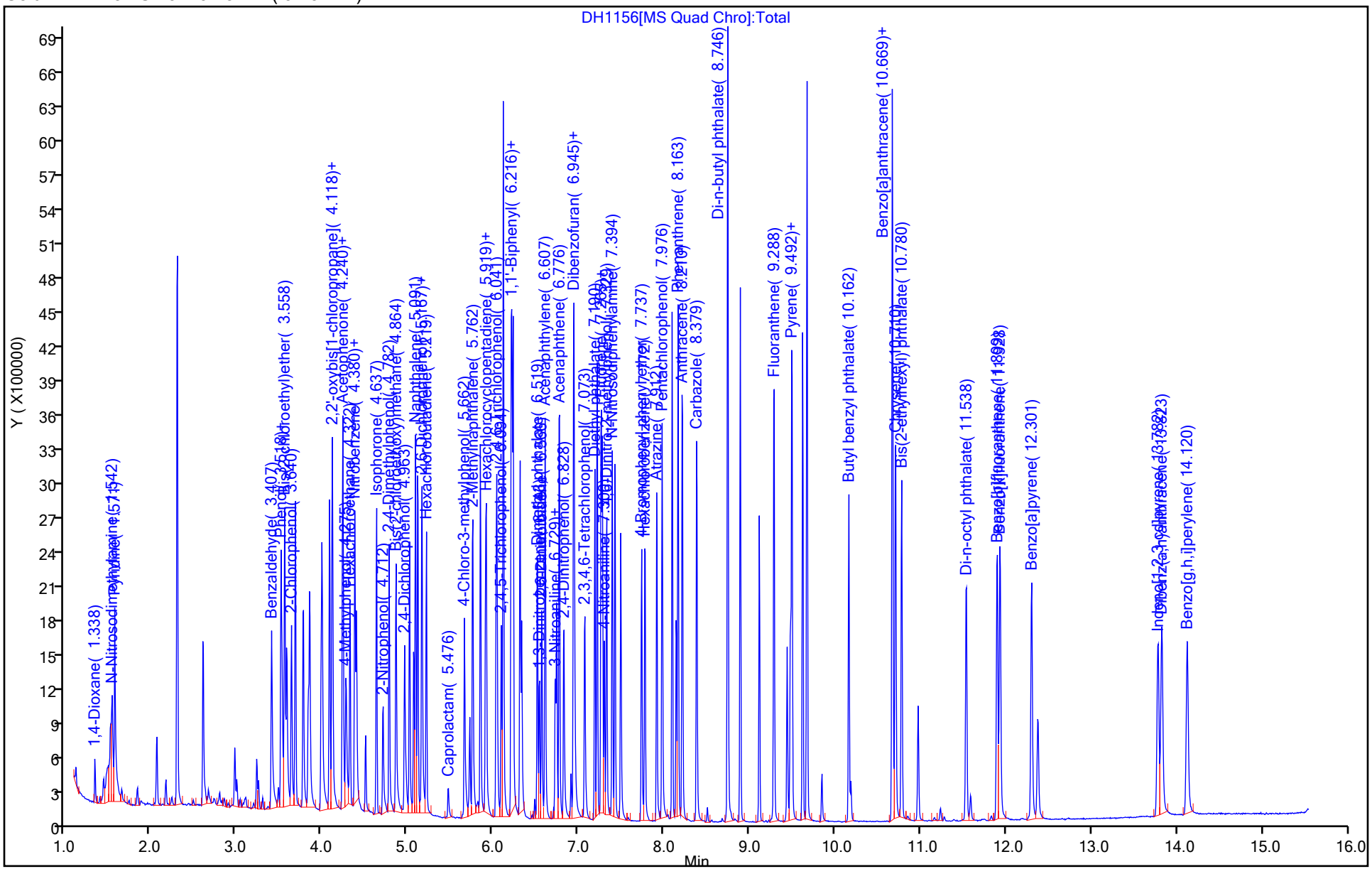
Lims ID: LCS 410-683371/2-A Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1156.D
Lims ID: LCS 410-683371/2-A
Client ID:
Sample Type: LCS
Inject. Date: 11-Aug-2025 22:42:26 ALS Bottle#: 6 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-683371/2-A
Misc. Info.: 410-0156268-008
Operator ID: EEA115318 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 12-Aug-2025 13:55:32 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1712

First Level Reviewer: W6ZA Date: 12-Aug-2025 13:41:33

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	25.0	10.3	41.20
$ 16 Phenol-d5	25.0	8.01	32.05
$ 39 Nitrobenzene-d5	25.0	17.7	70.74
$ 73 2-Fluorobiphenyl (Surr)	25.0	16.5	65.88
$ 109 2,4,6-Tribromophenol	25.0	18.5	74.01
$ 152 p-Terphenyl-d14	25.0	21.1	84.25

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-683371/3-A

Matrix: Water
Lab File ID: DH1157.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/10/2025 16:20

Sample wt/vol: 250(mL)
Date Analyzed: 08/11/2025 23:03

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 683977
Units: ug/L

Preparation Batch No.: 683371
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
99-55-8	*5-Nitro-o-toluidine*	*33.85*		*10.0*	*2.00*
2303-16-4	*Diallate*	*40.28*		*10.0*	*3.00*
60-51-5	*Dimethoate*	*35.33*		*10.0*	*3.00*
62-50-0	*Ethyl methanesulfonate*	*38.22*		*10.0*	*1.10*
1888-71-7	*Hexachloropropene*	*31.42*		*10.0*	*2.00*
465-73-6	*Isodrin*	*41.19*		*10.0*	*1.10*
143-50-0	*Kepone*	*31.20*	*J*	*50.0*	*25.0*
55-18-5	*N-Nitrosodiethylamine*	*37.53*		*10.0*	*3.00*
59-89-2	*N-Nitrosomorpholine*	*43.52*		*10.0*	*3.00*
100-75-4	*N-Nitrosopiperidine*	*40.65*		*10.0*	*1.10*
126-68-1	*o,o',o''-Triethylphosphorothioate*	*43.84*		*10.0*	*2.60*
608-93-5	*Pentachlorobenzene*	*38.35*		*10.0*	*1.60*
62-44-2	*Phenacetin*	*37.36*		*10.0*	*1.40*
298-02-2	*Phorate*	*47.29*		*10.0*	*2.50*
94-59-7	*Safrole, Total*	*41.48*		*10.0*	*2.20*
3689-24-5	*Sulfotepp*	*38.62*		*10.0*	*2.40*
297-97-2	*O,O-Diethyl O-2-pyrazinyl phosphorothioate*	*34.69*		*10.0*	*2.40*

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	78		13-134
321-60-8	2-Fluorobiphenyl (Surr)	73		45-120
367-12-4	2-Fluorophenol (Surr)	46		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	78		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	91		26-123
4165-62-2	Phenol-d5 (Surr)	36		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1157.D
Lims ID: LCS 410-683371/3-A
Client ID:
Sample Type: LCS
Inject. Date: 11-Aug-2025 23:03:22 ALS Bottle#: 7 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-683371/3-A
Misc. Info.: 410-0156268-009
Operator ID: EEA115318 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 12-Aug-2025 13:55:32 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1712

First Level Reviewer: W6ZA Date: 12-Aug-2025 13:42:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Triethyl amine	86	1.203	1.198	0.005	98	327603	12.5	5.14	
$ 10 2-Fluorophenol	112	2.602	2.602	0.000	94	614497	25.0	11.4	
11 N-Nitrosodiethylamine	102	2.783	2.783	0.000	96	270881	12.5	9.38	
12 Ethyl methanesulfonate	109	3.080	3.080	0.000	99	300989	12.5	9.55	
$ 16 Phenol-d5	99	3.517	3.517	0.005	97	671887	25.0	9.07	
* 22 1,4-Dichlorobenzene-d4	152	3.838	3.838	0.000	95	206560	5.00	5.00	
35 N-Nitrosomorpholine	56	4.258	4.263	-0.005	91	342955	12.5	10.9	
36 2-Toluidine	106	4.269	4.275	-0.006	95	685882	12.5	7.31	
$ 39 Nitrobenzene-d5	82	4.380	4.386	-0.006	88	1232569	25.0	19.4	
41 n,n'-Dimethylaniline	120	4.403	4.403	0.000	98	429269	6.30	5.25	
42 N-Nitrosopiperidine	114	4.543	4.549	-0.006	88	287710	12.5	10.2	
46 o,o',o''-Triethylphosphorothioat	198	4.835	4.840	-0.005	85	295675	12.5	11.0	
* 50 Naphthalene-d8	136	5.068	5.074	-0.006	100	753352	5.00	5.00	
55 Hexachloropropene	213	5.179	5.179	0.000	87	271612	12.5	7.85	
65 Safrole, Total	162	5.692	5.691	0.001	90	408003	12.5	10.4	
$ 73 2-Fluorobiphenyl (Surr)	172	6.117	6.123	-0.006	100	2154113	25.0	18.3	
* 90 Acenaphthene-d10	164	6.741	6.741	0.000	93	418837	5.00	5.00	
94 Pentachlorobenzene	250	6.898	6.904	-0.006	99	439667	12.5	9.59	
101 Thionazin	107	7.259	7.265	-0.006	80	186240	12.5	8.67	
104 N-Nitro-o-toluidine	152	7.289	7.294	-0.005	93	262059	12.5	8.46	
$ 109 2,4,6-Tribromophenol	330	7.493	7.498	-0.005	94	329133	25.0	19.5	
110 Sulfotepp	97	7.563	7.562	0.001	77	200532	12.5	9.65	
113 cis-Diallate	86	7.667	7.673	-0.006	0	381731		7.45	
114 Phorate	75	7.673	7.679	-0.006	96	1050826	12.5	11.8	
115 Phenacetin	108	7.702	7.708	-0.006	93	532897	12.5	9.34	
117 trans-Diallate	86	7.749	7.755	-0.006	0	137939		2.62	
119 Dimethoate	87	7.831	7.836	-0.005	98	395975	12.5	8.83	
123 Pentachloronitrobenzene	237	7.976	7.982	-0.006	88	144238	12.5	8.92	
* 126 Phenanthrene-d10	188	8.140	8.140	0.000	97	728200	5.00	5.00	
141 Isodrin	193	9.136	9.142	-0.006	94	195069	12.5	10.3	
* 149 Pyrene-d10 (IS)	212	9.474	9.480	-0.006	99	694371	5.00	5.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 136 Diallate	86				0		12.5	10.1	
$ 152 p-Terphenyl-d14	244	9.673	9.672	-0.006	98	2417419	25.0	22.6	
153 Kepone	272	10.244	10.139	0.105	94	113770	12.8	7.80	Ma
* 170 Perylene-d12	264	12.371	12.377	-0.006	98	492189	5.00	5.00	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 12-Aug-2025 13:56:27 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1157.D

Injection Date: 11-Aug-2025 23:03:22 Instrument ID: HP19760 Operator ID: EEA115318

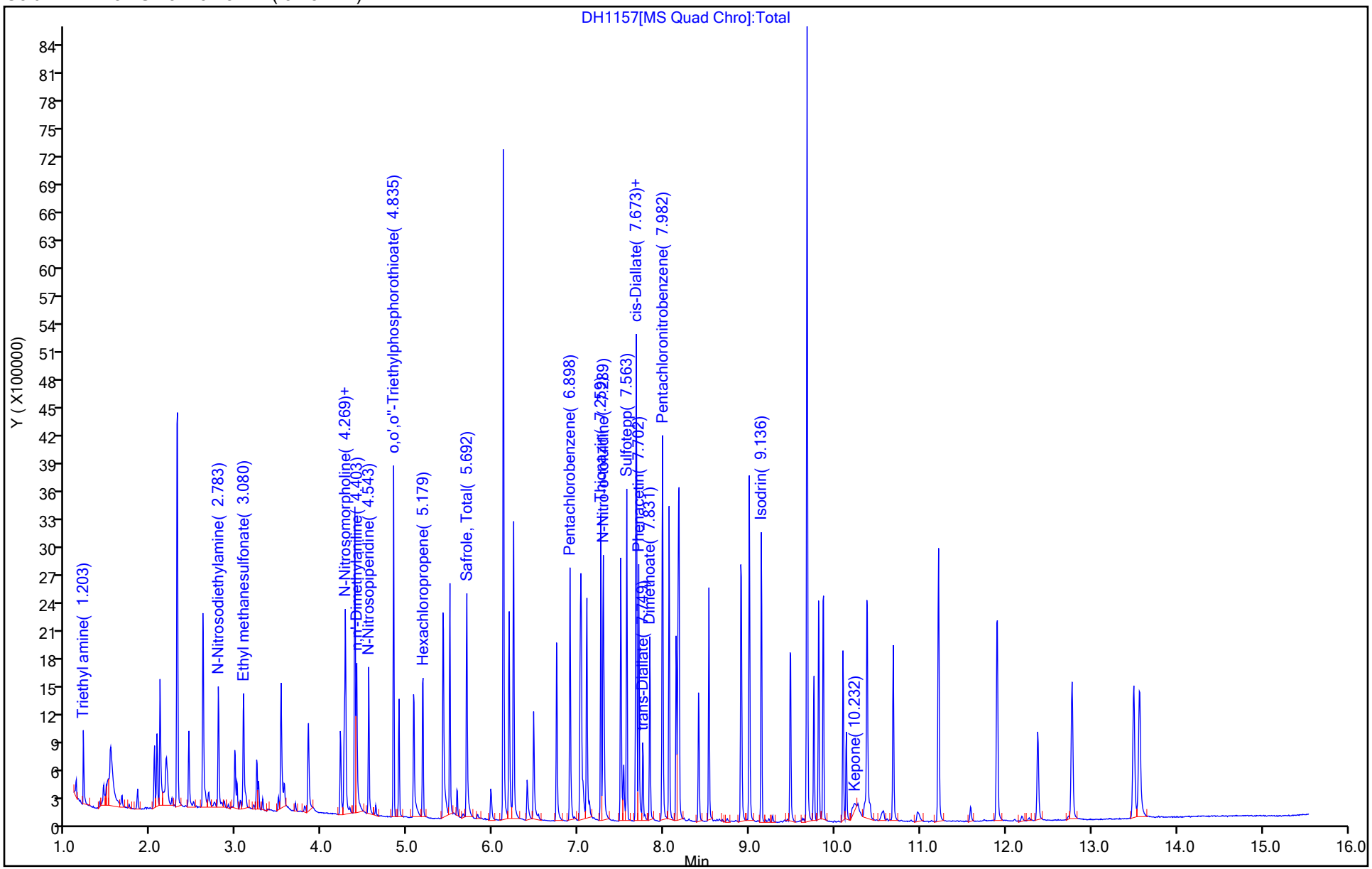
Lims ID: LCS 410-683371/3-A Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1157.D
Lims ID: LCS 410-683371/3-A
Client ID:
Sample Type: LCS
Inject. Date: 11-Aug-2025 23:03:22 ALS Bottle#: 7 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-683371/3-A
Misc. Info.: 410-0156268-009
Operator ID: EEA115318 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 12-Aug-2025 13:55:32 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1712

First Level Reviewer: W6ZA Date: 12-Aug-2025 13:42:37

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	25.0	11.4	45.55
$ 16 Phenol-d5	25.0	9.07	36.26
$ 39 Nitrobenzene-d5	25.0	19.4	77.62
$ 73 2-Fluorobiphenyl (Surr)	25.0	18.3	73.30
$ 109 2,4,6-Tribromophenol	25.0	19.5	77.89
$ 152 p-Terphenyl-d14	25.0	22.6	90.57

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

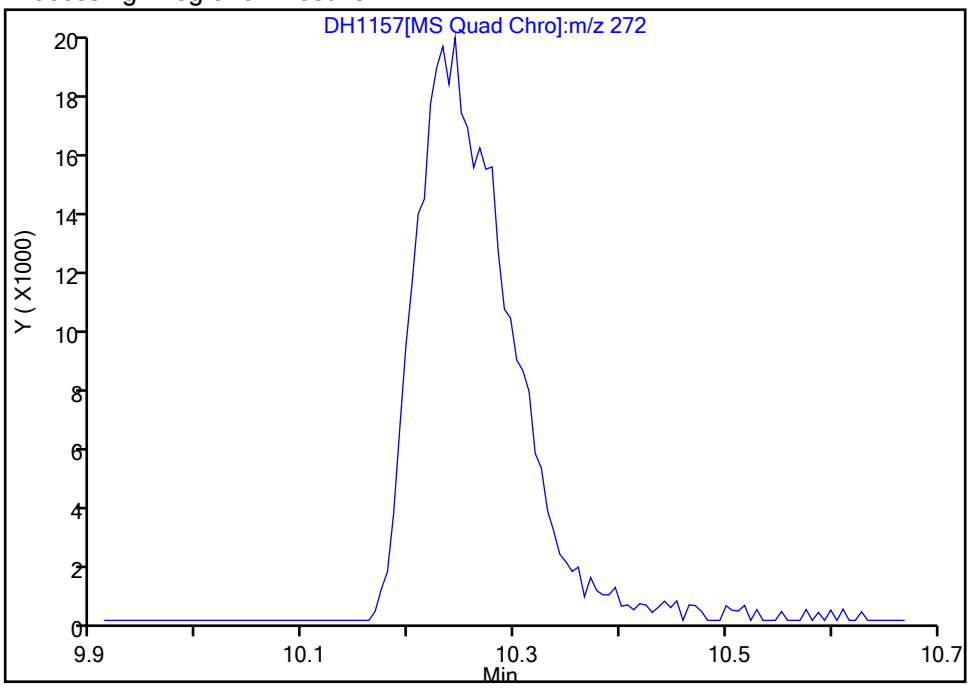
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1157.D				
Injection Date:	11-Aug-2025 23:03:22	Instrument ID:	HP19760		
Lims ID:	LCS 410-683371/3-A				
Client ID:					
Operator ID:	EEA115318	ALS Bottle#:	7	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

153 Kepone, CAS: 143-50-0

Signal: 1

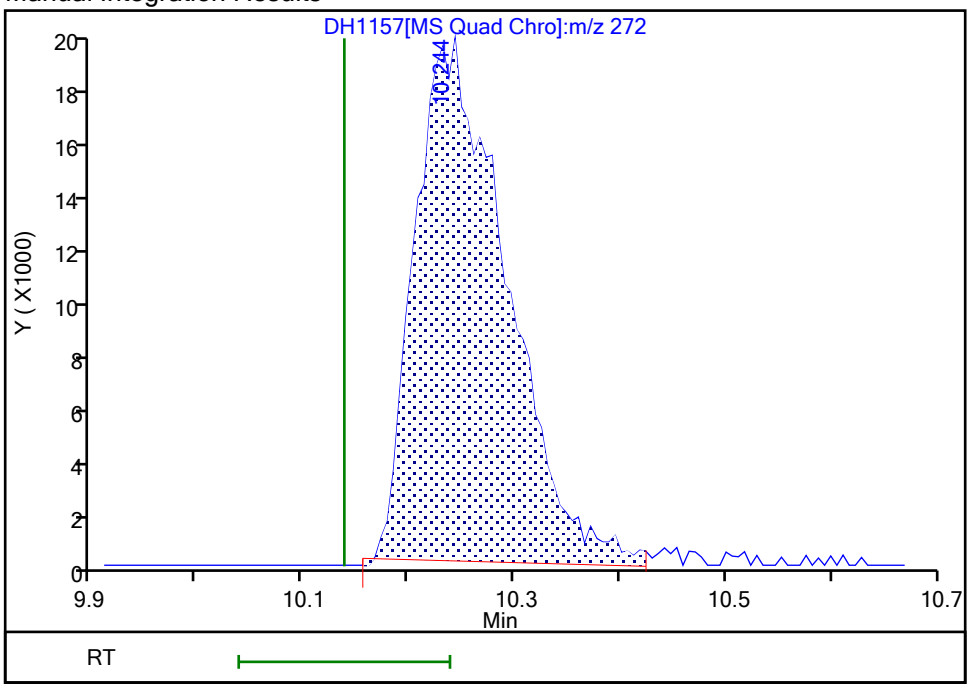
Not Detected
Expected RT: 10.14

Processing Integration Results



Manual Integration Results

RT: 10.24
Area: 113770
Amount: 7.799730
Amount Units: ug/ml



Reviewer: W6ZA, 12-Aug-2025 13:42:34 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-681120/3-A

Matrix: Water
Lab File ID: HG0613.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/05/2025 16:09

Sample wt/vol: 250(mL)
Date Analyzed: 08/06/2025 12:28

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 681375
Units: ug/L

Preparation Batch No.: 681120
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	36.97		10.0	2.00
99-65-0	1,3-Dinitrobenzene	45.50		10.0	2.30
108-60-1	bis (2-chloroisopropyl) ether	33.92		10.0	0.600
58-90-2	2,3,4,6-Tetrachlorophenol	47.08		10.0	1.80
95-95-4	2,4,5-Trichlorophenol	50.23		10.0	2.00
88-06-2	2,4,6-Trichlorophenol	52.99		10.0	1.80
120-83-2	2,4-Dichlorophenol	49.03		10.0	1.59
121-14-2	2,4-Dinitrotoluene	44.57		10.0	2.10
87-65-0	2,6-Dichlorophenol	49.19		10.0	1.40
606-20-2	2,6-Dinitrotoluene	44.33		10.0	2.10
91-58-7	2-Chloronaphthalene	42.52		10.0	0.500
95-57-8	2-Chlorophenol	48.32		10.0	1.00
91-57-6	2-Methylnaphthalene	46.60		10.0	0.290
95-48-7	o-Cresol	46.37		10.0	0.960
88-74-4	2-Nitroaniline	48.59		10.0	1.00
88-75-5	2-Nitrophenol	49.07		10.0	1.27
101-55-3	4-Bromophenyl-phenylether	48.59		10.0	0.560
59-50-7	4-Chloro-3-methylphenol	46.17		10.0	1.00
7005-72-3	4-Chlorophenyl-phenyl ether	41.89		10.0	0.600
106-44-5	m & p-Cresol	40.79		20.0	2.47
83-32-9	Acenaphthene	40.42		10.0	0.350
208-96-8	Acenaphthylene	44.74		10.0	0.480
120-12-7	Anthracene	51.89		10.0	0.520
56-55-3	Benzo[a]anthracene	53.63		10.0	0.450
50-32-8	Benzo[a]pyrene	50.21		10.0	1.50
205-99-2	Benzo[b]fluoranthene	48.80		10.0	1.20
191-24-2	Benzo[g,h,i]perylene	52.25		10.0	0.420
207-08-9	Benzo[k]fluoranthene	49.67		10.0	1.60
218-01-9	Chrysene	54.54		10.0	0.310
53-70-3	Dibenz(a,h)anthracene	57.77		10.0	0.380

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-681120/3-A

Matrix: Water
Lab File ID: HG0613.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/05/2025 16:09

Sample wt/vol: 250(mL)
Date Analyzed: 08/06/2025 12:28

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 681375
Units: ug/L

Preparation Batch No.: 681120
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
132-64-9	Dibenzofuran	45.42		10.0	0.600
84-66-2	Diethyl phthalate	43.17		10.0	2.00
206-44-0	Fluoranthene	51.58		10.0	0.420
86-73-7	Fluorene	46.30		10.0	0.380
118-74-1	Hexachlorobenzene	49.48		10.0	0.870
193-39-5	Indeno[1,2,3-cd]pyrene	53.86		10.0	0.150
62-75-9	N-Nitrosodimethylamine	29.37		10.0	2.00
86-30-6	n-Nitrosodiphenylamine(as diphenylamine)	47.17		10.0	0.580
98-95-3	Nitrobenzene	40.79		10.0	0.600
87-86-5	Pentachlorophenol	102.9		10.0	3.00
85-01-8	Phenanthrene	50.30		10.0	0.520
108-95-2	Phenol	25.86		10.0	0.770
129-00-0	Pyrene	49.33		10.0	0.410
117-81-7	Bis(2-ethylhexyl) phthalate	51.76		10.0	2.00

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	89		13-134
321-60-8	2-Fluorobiphenyl (Surr)	78		45-120
367-12-4	2-Fluorophenol (Surr)	58		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	76		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	106		26-123
4165-62-2	Phenol-d5 (Surr)	41		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0613.D
Lims ID: LCSD 410-681120/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 06-Aug-2025 12:28:30 ALS Bottle#: 11 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-681120/3-A
Misc. Info.: 410-0155656-010
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 17:26:53 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: RN6U Date: 06-Aug-2025 17:12:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 N-Nitrosodimethylamine	74	1.555	1.560	-0.005	96	170911	12.5	7.34	
$ 9 2-Fluorophenol	112	2.635	2.635	0.000	93	405939	25.0	14.6	
$ 15 Phenol-d5	99	3.557	3.563	-0.006	95	426721	25.0	10.2	
17 Aniline	93	3.575	3.575	0.000	82	457622	12.5	8.49	
16 Phenol	94	3.575	3.575	0.000	76	317034	12.5	6.47	
18 Bis(2-chloroethyl)ether	93	3.639	3.645	-0.006	92	406522	12.5	11.5	
19 2-Chlorophenol	128	3.686	3.692	-0.006	94	333484	12.5	12.1	
21 1,3-Dichlorobenzene	146	3.826	3.832	-0.006	95	332752	12.5	10.2	
* 22 1,4-Dichlorobenzene-d4	152	3.890	3.890	0.000	93	114155	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.902	3.908	-0.006	91	365119	12.5	11.0	
26 Benzyl alcohol	108	4.048	4.048	0.000	88	246046	12.5	11.6	
27 1,2-Dichlorobenzene	146	4.048	4.054	-0.006	94	341260	12.5	11.0	
29 2-Methylphenol	108	4.165	4.164	-0.006	95	363122	12.5	11.6	
30 2,2'-oxybis[1-chloropropane]	45	4.171	4.176	-0.005	92	548098	12.5	8.48	
33 N-Nitrosodi-n-propylamine	70	4.305	4.305	0.000	83	348225	12.5	10.5	
34 4-Methylphenol	108	4.328	4.328	0.000	95	340760	12.5	10.2	
37 Hexachloroethane	117	4.375	4.375	0.000	94	147992	12.5	9.23	
$ 39 Nitrobenzene-d5	82	4.439	4.440	-0.006	87	868404	25.0	19.0	
40 Nitrobenzene	77	4.457	4.457	-0.005	86	484822	12.5	10.2	
42 Isophorone	82	4.696	4.697	-0.006	98	904593	12.5	11.0	
43 2-Nitrophenol	139	4.772	4.767	0.000	94	169173	12.5	12.3	
44 2,4-Dimethylphenol	107	4.836	4.836	-0.006	97	440625	12.5	13.0	
47 Bis(2-chloroethoxy)methane	93	4.924	4.924	-0.006	95	502398	12.5	10.7	
48 Benzoic acid	105	4.930	4.930	-0.011	92	111869	12.5	4.09	Ma
49 2,4-Dichlorophenol	162	5.011	5.011	-0.006	96	310558	12.5	12.3	
50 1,2,4-Trichlorobenzene	180	5.081	5.076	0.000	93	294804	12.5	9.52	
* 52 Naphthalene-d8	136	5.128	5.134	-0.006	99	382874	5.00	5.00	
53 Naphthalene	128	5.146	5.146	-0.005	98	953630	12.5	11.6	
56 4-Chloroaniline	127	5.222	5.221	-0.005	82	369379	12.5	11.5	
57 2,6-Dichlorophenol	162	5.227	5.221	0.000	86	319707	12.5	12.3	
65 4-Chloro-3-methylphenol	107	5.718	5.717	-0.006	92	370951	12.5	11.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
67 2-Methylnaphthalene	142	5.817	5.816	-0.006	90	560410	12.5	11.7	
71 Hexachlorocyclopentadiene	237	5.969	5.975	-0.006	93	166370	12.5	6.31	
70 1,2,4,5-Tetrachlorobenzene	216	5.981	5.986	-0.005	96	343969	12.5	9.24	
79 2,4,6-Trichlorophenol	196	6.103	6.104	-0.006	96	273692	12.5	13.2	
80 2,4,5-Trichlorophenol	196	6.144	6.145	-0.006	92	289377	12.5	12.6	
$ 81 2-Fluorobiphenyl (Surr)	172	6.179	6.185	-0.006	100	1383902	25.0	19.4	
84 2-Chloronaphthalene	162	6.284	6.284	0.000	97	639926	12.5	10.6	
87 2-Nitroaniline	138	6.401	6.407	-0.006	76	207133	12.5	12.1	
90 Dimethyl phthalate	163	6.588	6.594	-0.006	98	758150	12.5	10.5	
91 1,3-Dinitrobenzene	168	6.617	6.617	0.000	82	107396	12.5	11.4	
92 2,6-Dinitrotoluene	165	6.640	6.646	-0.006	90	170414	12.5	11.1	
93 Acenaphthylene	152	6.670	6.675	-0.005	99	1062015	12.5	11.2	
95 3-Nitroaniline	138	6.798	6.804	-0.006	88	159624	12.5	10.8	
* 96 Acenaphthene-d10	164	6.810	6.810	0.000	91	250693	5.00	5.00	
97 Acenaphthene	153	6.839	6.845	-0.006	96	624090	12.5	10.1	
98 2,4-Dinitrophenol	184	6.903	6.909	-0.006	78	187164	25.0	18.7	
100 4-Nitrophenol	109	6.997	7.003	-0.005	88	161135	25.0	13.6	
101 Dibenzofuran	168	7.003	7.008	-0.006	94	976854	12.5	11.4	
102 2,4-Dinitrotoluene	165	7.020	7.026	-0.006	87	235459	12.5	11.1	
105 2,3,4,6-Tetrachlorophenol	232	7.137	7.143	-0.006	71	235747	12.5	11.8	
107 Diethyl phthalate	149	7.259	7.265	-0.006	96	777707	12.5	10.8	
108 Fluorene	166	7.329	7.335	-0.006	91	760914	12.5	11.6	
110 4-Chlorophenyl phenyl ether	204	7.347	7.347	0.000	93	370452	12.5	10.5	
112 4-Nitroaniline	138	7.376	7.382	-0.006	78	173629	12.5	12.2	
113 4,6-Dinitro-2-methylphenol	198	7.405	7.406	-0.006	80	308496	25.0	25.7	
114 N-Nitrosodiphenylamine	169	7.464	7.464	-0.006	61	594731	10.6	11.8	
115 1,2-Diphenylhydrazine	77	7.493	7.493	-0.006	98	995227	12.5	10.1	
$ 116 2,4,6-Tribromophenol	330	7.563	7.569	-0.006	93	264415	25.0	22.2	
122 4-Bromophenyl phenyl ether	248	7.808	7.803	0.000	67	237150	12.5	12.1	
124 Hexachlorobenzene	284	7.849	7.850	-0.006	96	288859	12.5	12.4	
127 Pentachlorophenol	266	8.048	8.048	-0.005	92	370407	25.0	25.7	
* 131 Phenanthrene-d10	188	8.211	8.217	-0.006	97	434407	5.00	5.00	
132 Phenanthrene	178	8.235	8.235	-0.005	98	1207015	12.5	12.6	
135 Anthracene	178	8.281	8.281	-0.006	97	1221684	12.5	13.0	
136 Carbazole	167	8.456	8.456	-0.006	96	1112744	12.5	13.2	
138 Di-n-butyl phthalate	149	8.818	8.818	-0.006	99	1351269	12.5	13.7	
144 Fluoranthene	202	9.361	9.361	-0.006	97	1360745	12.5	12.9	
145 Benzidine	184	9.519	9.525	-0.006	99	438502	25.0	7.05	
* 146 Pyrene-d10 (IS)	212	9.554	9.554	0.000	97	474431	5.00	5.00	
147 Pyrene	202	9.572	9.577	-0.005	98	1429761	12.5	12.3	
$ 148 p-Terphenyl-d14	244	9.747	9.753	-0.006	98	1700973	25.0	26.6	
153 Butyl benzyl phthalate	149	10.243	10.249	-0.006	94	515825	12.5	12.3	
156 Benzo[a]anthracene	228	10.757	10.763	-0.006	99	1229027	12.5	13.4	
157 3,3'-Dichlorobenzidine	252	10.763	10.769	-0.006	74	802912	25.0	24.0	
159 Chrysene	228	10.798	10.804	-0.006	97	1214512	12.5	13.6	
160 Bis(2-ethylhexyl) phthalate	149	10.874	10.880	-0.006	96	726431	12.5	12.9	
162 Di-n-octyl phthalate	149	11.645	11.639	-0.005	99	1249774	12.5	13.1	
164 Benzo[b]fluoranthene	252	12.012	12.007	-0.006	97	1090185	12.5	12.2	
165 Benzo[k]fluoranthene	252	12.047	12.042	-0.006	98	1146188	12.5	12.4	
166 Benzo[a]pyrene	252	12.421	12.415	-0.006	77	1071434	12.5	12.6	
* 167 Perylene-d12	264	12.497	12.509	-0.012	98	367333	5.00	5.00	
171 Indeno[1,2,3-cd]pyrene	276	13.928	13.926	-0.011	99	1055330	12.5	13.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
172 Dibenz(a,h)anthracene	278	13.974	13.973	-0.012	92	1067637	12.5	14.4	
173 Benzo[g,h,i]perylene	276	14.278	14.283	-0.012	98	1044222	12.5	13.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

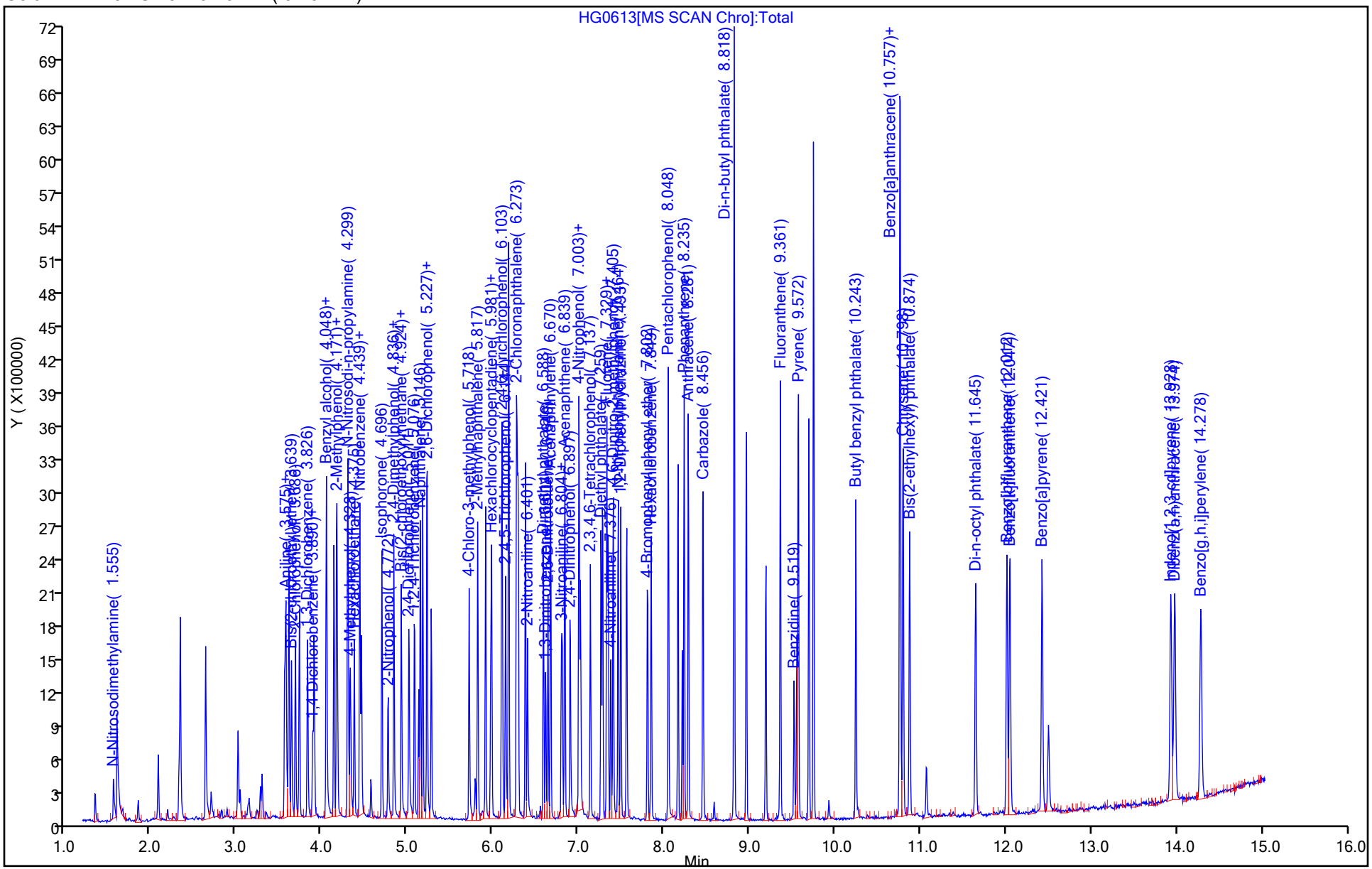
Report Date: 06-Aug-2025 17:27:14 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0613.D

Injection Date:	06-Aug-2025 12:28:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	LCSD 410-681120/3-A			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0613.D
Lims ID: LCSD 410-681120/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 06-Aug-2025 12:28:30 ALS Bottle#: 11 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-681120/3-A
Misc. Info.: 410-0155656-010
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 17:26:53 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: RN6U Date: 06-Aug-2025 17:12:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	14.6	58.26
$ 15 Phenol-d5	25.0	10.2	40.87
$ 39 Nitrobenzene-d5	25.0	19.0	76.05
$ 81 2-Fluorobiphenyl (Surr)	25.0	19.4	77.76
$ 116 2,4,6-Tribromophenol	25.0	22.2	88.65
$ 148 p-Terphenyl-d14	25.0	26.6	106.27

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-681120/5-A

Matrix: Water
Lab File ID: HG0615.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/05/2025 16:09

Sample wt/vol: 250(mL)
Date Analyzed: 08/06/2025 13:09

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 681375
Units: ug/L

Preparation Batch No.: 681120
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
99-55-8	5-Nitro-o-toluidine	36.36		10.0	2.00
2303-16-4	Diallate	30.42		10.0	3.00
60-51-5	Dimethoate	28.16		10.0	3.00
62-50-0	Ethyl methanesulfonate	35.31		10.0	1.10
1888-71-7	Hexachloropropene	20.33		10.0	2.00
465-73-6	Isodrin	33.48		10.0	1.10
143-50-0	Kepone	34.60	J	50.0	25.0
55-18-5	N-Nitrosodiethylamine	32.81		10.0	3.00
59-89-2	N-Nitrosomorpholine	26.99		10.0	3.00
100-75-4	N-Nitrosopiperidine	32.86		10.0	1.10
126-68-1	o,o',o''-Triethylphosphorothioate	34.21		10.0	2.60
608-93-5	Pentachlorobenzene	31.36		10.0	1.60
62-44-2	Phenacetin	36.19		10.0	1.40
298-02-2	Phorate	30.13		10.0	2.50
94-59-7	Safrole, Total	31.12		10.0	2.20
3689-24-5	Sulfotepp	30.27		10.0	2.40
297-97-2	O,O-Diethyl O-2-pyrazinyl phosphorothioate	39.43		10.0	2.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	74		13-134
321-60-8	2-Fluorobiphenyl (Surr)	71		45-120
367-12-4	2-Fluorophenol (Surr)	48		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	55		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	83		26-123
4165-62-2	Phenol-d5 (Surr)	30		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0615.D
Lims ID: LCSD 410-681120/5-A
Client ID:
Sample Type: LCSD
Inject. Date: 06-Aug-2025 13:09:30 ALS Bottle#: 13 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-681120/5-A
Misc. Info.: 410-0155656-012
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 17:26:53 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: RN6U Date: 06-Aug-2025 17:15:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 9 2-Fluorophenol	112	2.635	2.635	0.000	93	393870	25.0	12.1	
11 N-Nitrosodiethylamine	102	2.833	2.839	-0.006	94	161552	12.5	8.20	
12 Ethyl methanesulfonate	109	3.143	3.143	0.000	94	167594	12.5	8.83	
$ 15 Phenol-d5	99	3.563	3.563	0.000	95	372007	25.0	7.61	
* 22 1,4-Dichlorobenzene-d4	152	3.890	3.890	0.000	98	133609	5.00	5.00	
31 N-Nitrosopyrrolidine	100	4.282	4.287	-0.005	96	182243	12.5	8.36	
35 N-Nitrosomorpholine	56	4.322	4.328	-0.006	89	207719	12.5	6.75	
$ 39 Nitrobenzene-d5	82	4.439	4.440	-0.006	88	792358	25.0	13.7	
41 N-Nitrosopiperidine	114	4.609	4.609	-0.005	83	163394	12.5	8.22	
46 o,o',o''-Triethylphosphorothioat	198	4.895	4.895	-0.005	89	164085	12.5	8.55	
* 52 Naphthalene-d8	136	5.128	5.134	-0.006	100	484060	5.00	5.00	
58 Hexachloropropene	213	5.233	5.239	-0.006	95	159550	12.5	5.08	
63 N-Nitrosodi-n-butylamine	84	5.554	5.554	-0.006	92	289290	12.5	6.33	
66 Safrole, Total	162	5.753	5.752	-0.006	83	219245	12.5	7.78	
$ 81 2-Fluorobiphenyl (Surr)	172	6.179	6.185	-0.006	100	1317109	25.0	17.7	
* 96 Acenaphthene-d10	164	6.810	6.810	0.000	95	262733	5.00	5.00	
99 Pentachlorobenzene	250	6.968	6.973	-0.005	98	253854	12.5	7.84	
109 Thionazin	107	7.335	7.336	-0.006	75	137448	12.5	9.86	
111 N-Nitro-o-toluidine	152	7.359	7.359	-0.005	91	174559	12.5	9.09	
$ 116 2,4,6-Tribromophenol	330	7.563	7.569	-0.006	93	232554	25.0	18.6	
117 Sulfotepp	97	7.639	7.639	-0.006	78	146794	12.5	7.57	
120 cis-Diallate	86	7.738	7.744	-0.012	90	216261		5.70	
119 Phorate	75	7.750	7.750	-0.006	93	718606	12.5	7.53	
121 Phenacetin	108	7.779	7.785	-0.012	90	388855	12.5	9.05	
123 trans-Diallate	86	7.826	7.820	0.000	92	74255		1.91	
125 Dimethoate	87	7.908	7.914	-0.011	95	255626	12.5	7.04	
* 131 Phenanthrene-d10	188	8.211	8.217	-0.006	97	492965	5.00	5.00	
143 Isodrin	193	9.210	9.209	-0.005	91	133453	12.5	8.37	
* 146 Pyrene-d10 (IS)	212	9.554	9.554	0.000	97	551459	5.00	5.00	
S 68 Diallate	86				0		12.5	7.60	
$ 148 p-Terphenyl-d14	244	9.747	9.753	-0.006	98	1540658	25.0	20.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
154 Kepone	272	10.261	10.214	0.047	84	115923	12.8	8.65	Ma
* 167 Perylene-d12	264	12.497	12.509	-0.012	97	388012	5.00	5.00	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 06-Aug-2025 17:27:21 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0615.D

Injection Date: 06-Aug-2025 13:09:30 Instrument ID: HP23264 Operator ID: CJS101602

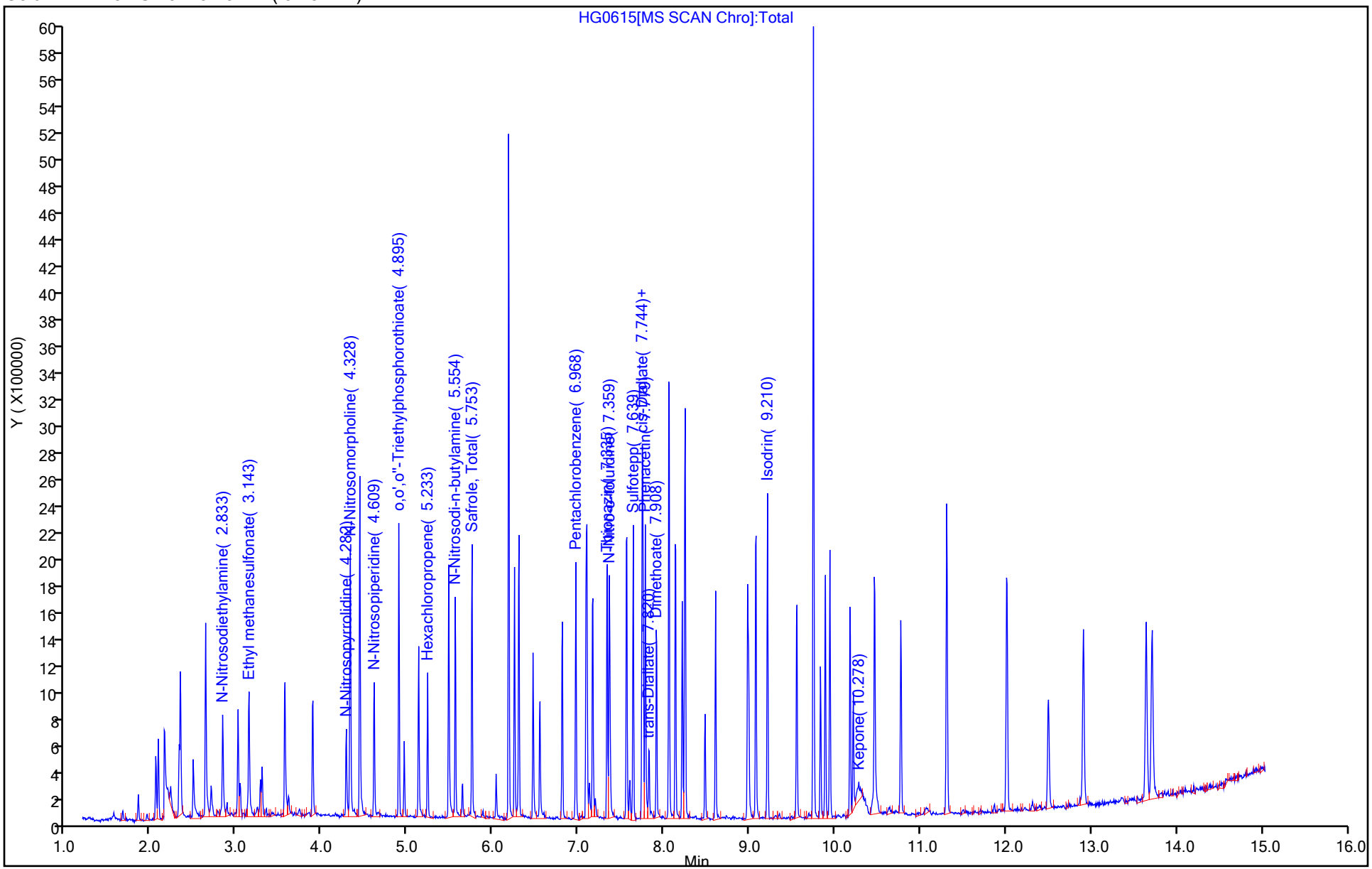
Lims ID: LCSD 410-681120/5-A Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 13

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0615.D
Lims ID: LCSD 410-681120/5-A
Client ID:
Sample Type: LCSD
Inject. Date: 06-Aug-2025 13:09:30 ALS Bottle#: 13 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-681120/5-A
Misc. Info.: 410-0155656-012
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 17:26:53 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: RN6U Date: 06-Aug-2025 17:15:50

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	12.1	48.30
$ 15 Phenol-d5	25.0	7.61	30.44
$ 39 Nitrobenzene-d5	25.0	13.7	54.88
$ 81 2-Fluorobiphenyl (Surr)	25.0	17.7	70.61
$ 116 2,4,6-Tribromophenol	25.0	18.6	74.40
$ 148 p-Terphenyl-d14	25.0	20.7	82.81

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

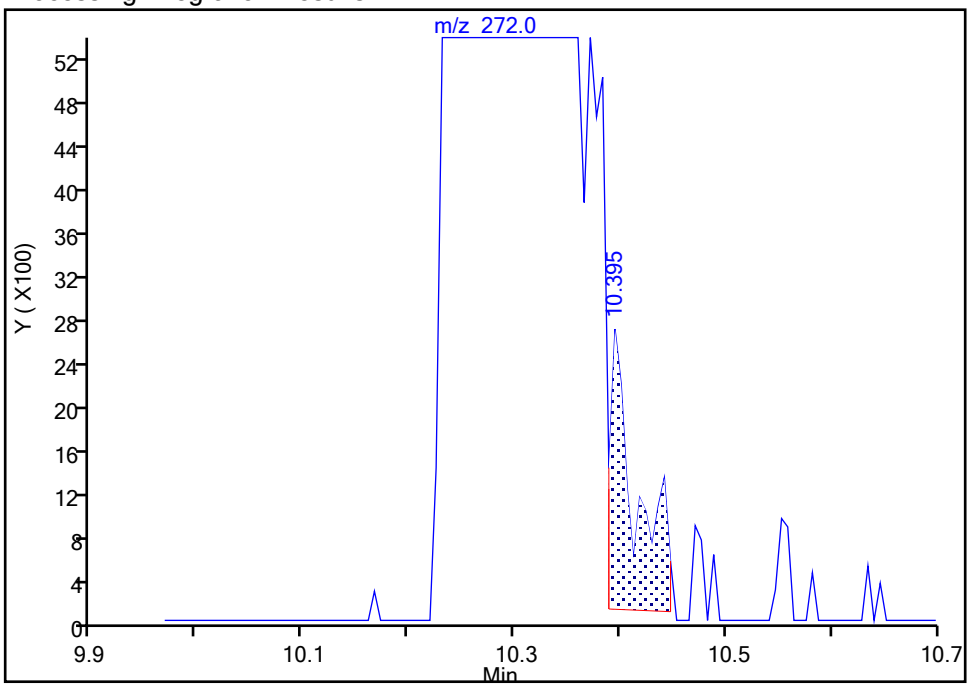
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0615.D				
Injection Date:	06-Aug-2025 13:09:30	Instrument ID:	HP23264		
Lims ID:	LCSD 410-681120/5-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	13	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

154 Kepone, CAS: 143-50-0

Signal: 1

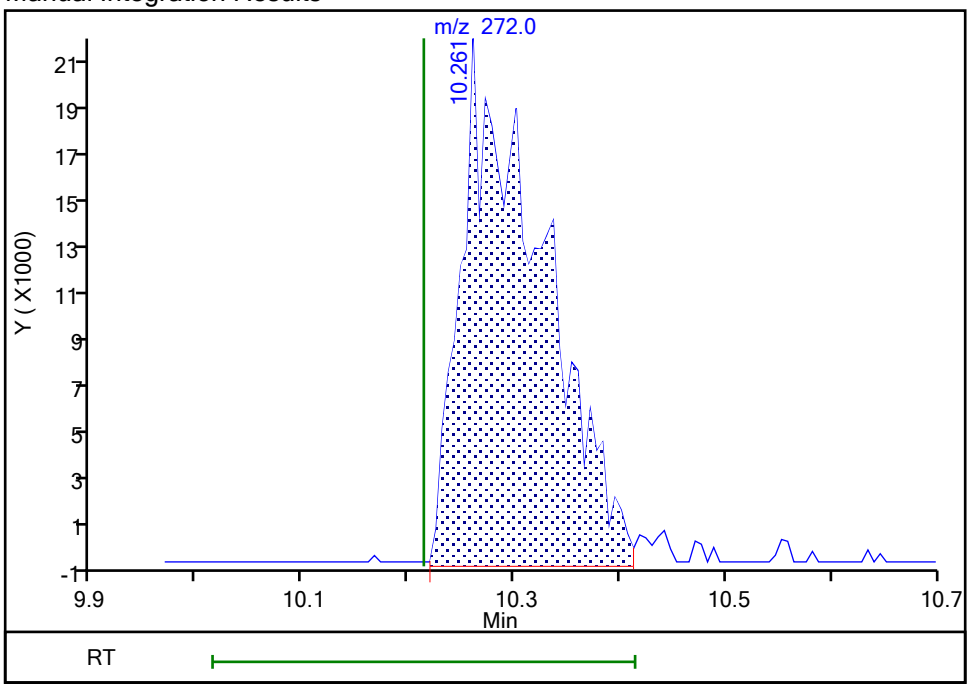
Processing Integration Results

RT: 10.40
Area: 4093
Amount: 0.305424
Amount Units: ug/ml



Manual Integration Results

RT: 10.26
Area: 115923
Amount: 8.650295
Amount Units: ug/ml



Reviewer: RN6U, 06-Aug-2025 17:15:47 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-681385/4-A

Matrix: Water
Lab File ID: HG0710.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 250(mL)
Date Analyzed: 08/07/2025 11:31

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
99-55-8	5-Nitro-o-toluidine	37.20		10.0	2.00
2303-16-4	Diallate	35.72		10.0	3.00
60-51-5	Dimethoate	7.221	J	10.0	3.00
62-50-0	Ethyl methanesulfonate	44.34		10.0	1.10
1888-71-7	Hexachloropropene	21.62		10.0	2.00
465-73-6	Isodrin	37.66		10.0	1.10
143-50-0	Kepone	36.41	J	50.0	25.0
55-18-5	N-Nitrosodiethylamine	38.35		10.0	3.00
59-89-2	N-Nitrosomorpholine	35.53		10.0	3.00
100-75-4	N-Nitrosopiperidine	40.17		10.0	1.10
126-68-1	o,o',o''-Triethylphosphorothioate	41.75		10.0	2.60
608-93-5	Pentachlorobenzene	38.75		10.0	1.60
62-44-2	Phenacetin	41.11		10.0	1.40
298-02-2	Phorate	26.31		10.0	2.50
94-59-7	Safrole, Total	41.77		10.0	2.20
3689-24-5	Sulfotepp	28.86		10.0	2.40
297-97-2	O,O-Diethyl O-2-pyrazinyl phosphorothioate	35.08		10.0	2.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	87		13-134
321-60-8	2-Fluorobiphenyl (Surr)	76		45-120
367-12-4	2-Fluorophenol (Surr)	70		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	71		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	100		26-123
4165-62-2	Phenol-d5 (Surr)	52		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0710.D
Lims ID: LCSD 410-681385/4-A DL3
Client ID:
Sample Type: LCSD
Inject. Date: 07-Aug-2025 11:31:30 ALS Bottle#: 10 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-681385/4-A
Misc. Info.: 410-0155808-011
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 15:55:44 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 15:33:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 9 2-Fluorophenol	112	2.641	2.637	0.000	93	505366	25.0	17.5	
11 N-Nitrosodiethylamine	102	2.834	2.829	0.001	93	167385	12.5	9.59	
12 Ethyl methanesulfonate	109	3.143	3.138	0.000	95	186526	12.5	11.1	
$ 15 Phenol-d5	99	3.569	3.564	0.000	95	567842	25.0	13.1	
* 22 1,4-Dichlorobenzene-d4	152	3.885	3.890	-0.005	97	118427	5.00	5.00	
35 N-Nitrosomorpholine	56	4.323	4.322	-0.006	88	242359	12.5	8.88	
$ 39 Nitrobenzene-d5	82	4.439	4.439	0.000	87	945033	25.0	17.9	
41 N-Nitrosopiperidine	114	4.609	4.608	0.001	82	182993	12.5	10.0	
46 o,o',o''-Triethylphosphorothioat	198	4.895	4.900	-0.005	91	183468	12.5	10.4	
* 52 Naphthalene-d8	136	5.128	5.128	0.000	100	443519	5.00	5.00	
58 Hexachloropropene	213	5.233	5.225	0.000	97	155445	12.5	5.40	
66 Safrole, Total	162	5.753	5.753	0.000	87	269659	12.5	10.4	
$ 81 2-Fluorobiphenyl (Surr)	172	6.179	6.185	-0.006	99	1362691	25.0	19.0	
* 96 Acenaphthene-d10	164	6.804	6.804	0.000	93	252277	5.00	5.00	
99 Pentachlorobenzene	250	6.968	6.967	0.001	98	301188	12.5	9.69	
109 Thionazin	107	7.330	7.335	-0.005	78	117409	12.5	8.77	
111 N-Nitro-o-toluidine	152	7.359	7.364	-0.005	89	171467	12.5	9.30	
$ 116 2,4,6-Tribromophenol	330	7.563	7.563	0.000	93	259941	25.0	21.7	
117 Sulfotepp	97	7.639	7.639	0.000	78	131018	12.5	7.21	
120 cis-Diallate	86	7.738	7.744	-0.006	96	236302		6.65	
119 Phorate	75	7.750	7.750	0.000	94	587618	12.5	6.58	
121 Phenacetin	108	7.779	7.785	-0.006	91	413557	12.5	10.3	
123 trans-Diallate	86	7.820	7.826	-0.006	98	83204		2.28	
125 Dimethoate	87	7.908	7.919	-0.011	96	61360	12.5	1.81	
* 131 Phenanthrene-d10	188	8.211	8.211	0.000	97	461560	5.00	5.00	
143 Isodrin	193	9.210	9.215	-0.005	93	140521	12.5	9.41	
* 146 Pyrene-d10 (IS)	212	9.548	9.554	-0.006	99	464522	5.00	5.00	
S 68 Diallate	86				0		12.5	8.93	
$ 148 p-Terphenyl-d14	244	9.747	9.747	-0.006	98	1573279	25.0	25.1	
154 Kepone	272	10.308	10.202	0.100	88	102746	12.8	9.10	M
* 167 Perylene-d12	264	12.497	12.497	0.000	98	378555	5.00	5.00	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_IS_00111	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 07-Aug-2025 19:27:30 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0710.D

Injection Date: 07-Aug-2025 11:31:30 Instrument ID: HP23264 Operator ID: CJS101602

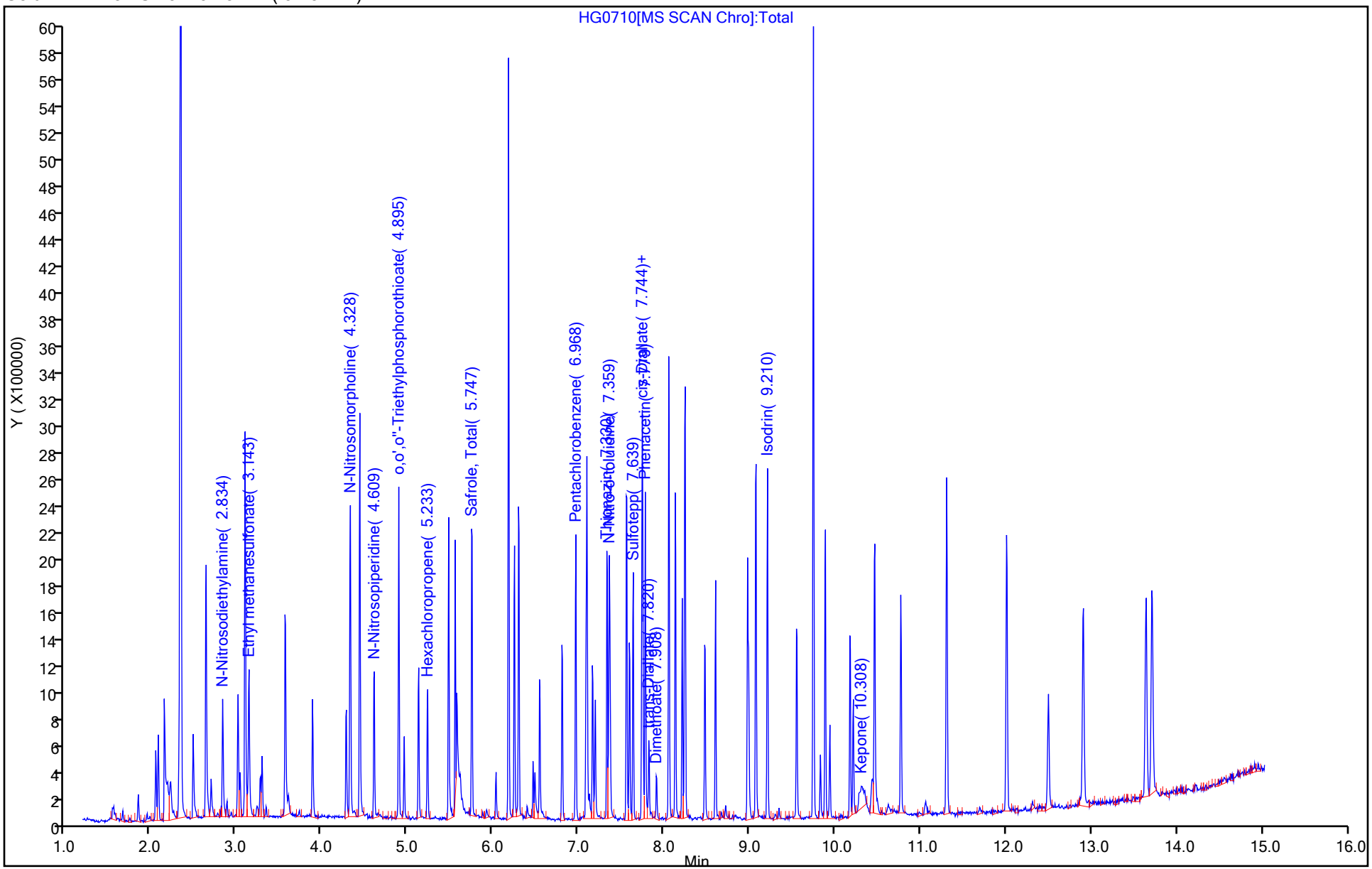
Lims ID: LCSD 410-681385/4-A DL3 Worklist Smp#: 11

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 10

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0710.D
Lims ID: LCSD 410-681385/4-A DL3
Client ID:
Sample Type: LCSD
Inject. Date: 07-Aug-2025 11:31:30 ALS Bottle#: 10 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-681385/4-A
Misc. Info.: 410-0155808-011
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 15:55:44 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 15:33:05

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	17.5	69.92
$ 15 Phenol-d5	25.0	13.1	52.43
$ 39 Nitrobenzene-d5	25.0	17.9	71.44
$ 81 2-Fluorobiphenyl (Surr)	25.0	19.0	76.08
$ 116 2,4,6-Tribromophenol	25.0	21.7	86.61
$ 148 p-Terphenyl-d14	25.0	25.1	100.39

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

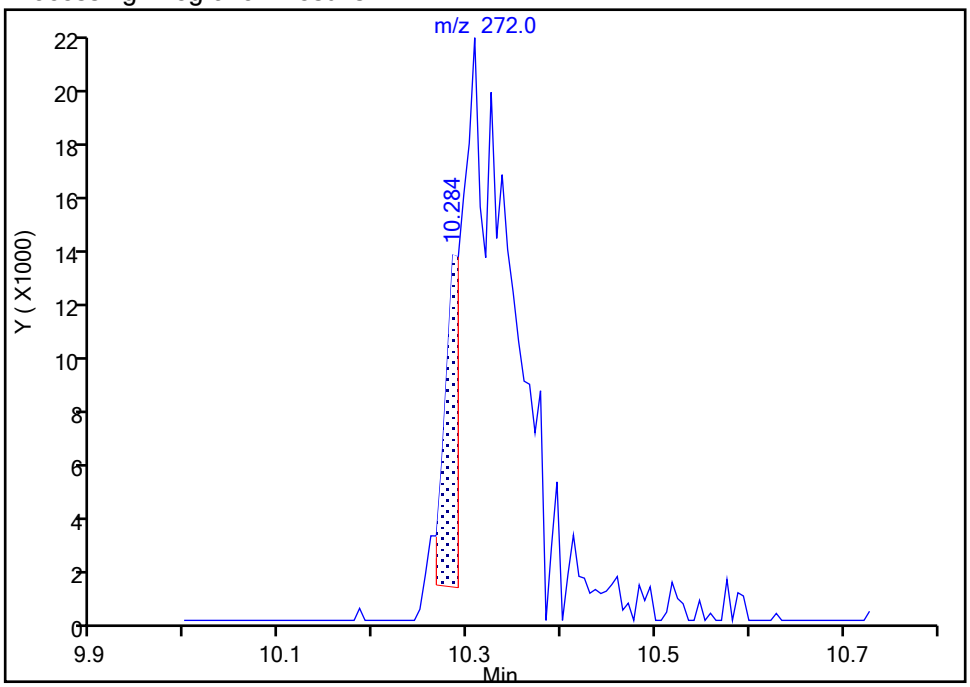
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0710.D				
Injection Date:	07-Aug-2025 11:31:30	Instrument ID:	HP23264		
Lims ID:	LCSD 410-681385/4-A DL3				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	10	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

154 Kepone, CAS: 143-50-0

Signal: 1

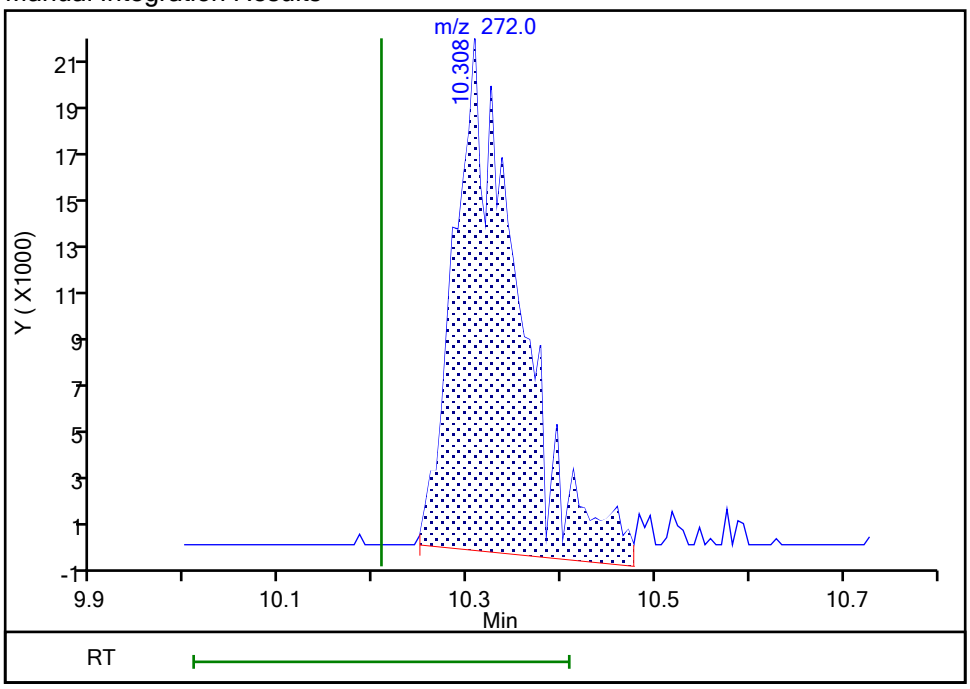
Processing Integration Results

RT: 10.28
Area: 11158
Amount: 0.988450
Amount Units: ug/ml



Manual Integration Results

RT: 10.31
Area: 102746
Amount: 9.101923
Amount Units: ug/ml



Reviewer: RN6U, 07-Aug-2025 15:21:14 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-683371/4-A

Matrix: Water
Lab File ID: DH1158.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/10/2025 16:20

Sample wt/vol: 250(mL)
Date Analyzed: 08/11/2025 23:24

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 683977
Units: ug/L

Preparation Batch No.: 683371
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
99-55-8	*5-Nitro-o-toluidine*	*29.02*		*10.0*	*2.00*
2303-16-4	*Diallate*	*36.89*		*10.0*	*3.00*
60-51-5	*Dimethoate*	*34.18*		*10.0*	*3.00*
62-50-0	*Ethyl methanesulfonate*	*35.28*		*10.0*	*1.10*
1888-71-7	*Hexachloropropene*	*25.42*		*10.0*	*2.00*
465-73-6	*Isodrin*	*35.57*		*10.0*	*1.10*
143-50-0	*Kepone*	*ND*		*50.0*	*25.0*
55-18-5	*N-Nitrosodiethylamine*	*34.14*		*10.0*	*3.00*
59-89-2	*N-Nitrosomorpholine*	*40.46*		*10.0*	*3.00*
100-75-4	*N-Nitrosopiperidine*	*35.74*		*10.0*	*1.10*
126-68-1	*o,o',o''-Triethylphosphorothioate*	*38.37*		*10.0*	*2.60*
608-93-5	*Pentachlorobenzene*	*33.15*		*10.0*	*1.60*
62-44-2	*Phenacetin*	*32.25*		*10.0*	*1.40*
298-02-2	*Phorate*	*42.90*		*10.0*	*2.50*
94-59-7	*Safrole, Total*	*36.20*		*10.0*	*2.20*
3689-24-5	*Sulfotepp*	*35.68*		*10.0*	*2.40*
297-97-2	*O,O-Diethyl O-2-pyrazinyl phosphorothioate*	*30.70*		*10.0*	*2.40*

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	51		13-134
321-60-8	2-Fluorobiphenyl (Surr)	59		45-120
367-12-4	2-Fluorophenol (Surr)	35		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	60		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	74		26-123
4165-62-2	Phenol-d5 (Surr)	32		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1158.D
Lims ID: LCSD 410-683371/4-A
Client ID:
Sample Type: LCSD
Inject. Date: 11-Aug-2025 23:24:12 ALS Bottle#: 8 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-683371/4-A
Misc. Info.: 410-0156268-010
Operator ID: EEA115318 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 12-Aug-2025 13:55:32 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1712

First Level Reviewer: W6ZA Date: 12-Aug-2025 13:43:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 Triethyl amine	86	1.203	1.198	0.005	98	462134	12.5	7.42	
$ 10 2-Fluorophenol	112	2.608	2.602	0.006	94	467886	25.0	8.87	
11 N-Nitrosodiethylamine	102	2.783	2.783	0.000	96	240967	12.5	8.54	
12 Ethyl methanesulfonate	109	3.080	3.080	0.000	99	271713	12.5	8.82	
$ 16 Phenol-d5	99	3.517	3.517	0.005	97	582535	25.0	8.04	
* 22 1,4-Dichlorobenzene-d4	152	3.838	3.838	0.000	96	201985	5.00	5.00	
35 N-Nitrosomorpholine	56	4.258	4.263	-0.005	91	311763	12.5	10.1	
36 2-Toluidine	106	4.269	4.275	-0.006	95	551190	12.5	6.01	
$ 39 Nitrobenzene-d5	82	4.380	4.386	-0.006	87	970023	25.0	15.0	
41 n,n'-Dimethylaniline	120	4.403	4.403	0.000	98	374088	6.30	4.48	
42 N-Nitrosopiperidine	114	4.543	4.549	-0.006	86	258221	12.5	8.94	
46 o,o',o''-Triethylphosphorothioat	198	4.835	4.840	-0.005	85	264179	12.5	9.59	
* 50 Naphthalene-d8	136	5.074	5.074	0.000	100	768910	5.00	5.00	
55 Hexachloropropene	213	5.179	5.179	0.000	87	224313	12.5	6.35	
65 Safrole, Total	162	5.691	5.691	0.000	90	363431	12.5	9.05	
$ 73 2-Fluorobiphenyl (Surr)	172	6.117	6.123	-0.006	100	1764224	25.0	14.6	
* 90 Acenaphthene-d10	164	6.741	6.741	0.000	94	429160	5.00	5.00	
94 Pentachlorobenzene	250	6.898	6.904	-0.006	98	389435	12.5	8.29	
101 Thionazin	107	7.259	7.265	-0.006	80	168869	12.5	7.68	
104 N-Nitro-o-toluidine	152	7.289	7.294	-0.005	92	230180	12.5	7.26	
$ 109 2,4,6-Tribromophenol	330	7.493	7.498	-0.005	94	222744	25.0	12.9	
110 Sulfotepp	97	7.562	7.562	0.000	78	187893	12.5	8.92	
113 cis-Diallate	86	7.667	7.673	-0.006	0	358927		6.90	
114 Phorate	75	7.679	7.679	0.000	96	949287	12.5	10.7	
115 Phenacetin	108	7.702	7.708	-0.006	94	466540	12.5	8.06	
117 trans-Diallate	86	7.749	7.755	-0.006	0	123534		2.32	
119 Dimethoate	87	7.831	7.836	-0.005	98	388441	12.5	8.54	
123 Pentachloronitrobenzene	237	7.976	7.982	-0.006	88	126839	12.5	7.73	
* 126 Phenanthrene-d10	188	8.140	8.140	0.000	97	738441	5.00	5.00	
141 Isodrin	193	9.136	9.142	-0.006	94	170831	12.5	8.89	
* 149 Pyrene-d10 (IS)	212	9.480	9.480	0.000	99	682438	5.00	5.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 136 Diallate	86				0		12.5	9.22	
$ 152 p-Terphenyl-d14	244	9.672	9.672	-0.006	98	1933809	25.0	18.4	
153 Kepone	272	10.232	10.139	0.093	96	89107	12.8	6.22	Ma
* 170 Perylene-d12	264	12.371	12.377	-0.006	98	457643	5.00	5.00	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

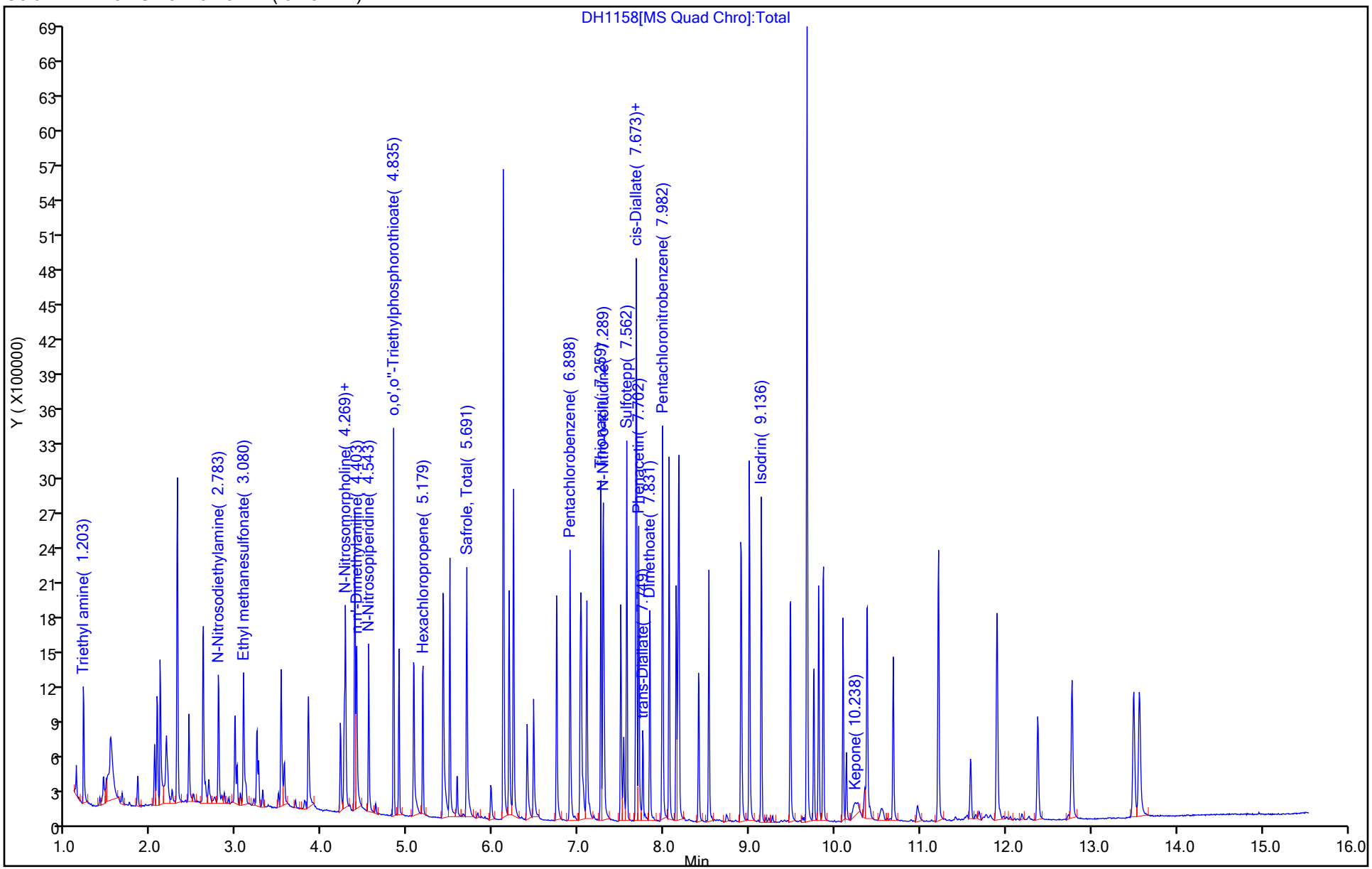
Report Date: 12-Aug-2025 13:56:35 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1158.D

Injection Date:	11-Aug-2025 23:24:12	Instrument ID:	HP19760	Operator ID:	EEA115318
Lims ID:	LCSD 410-683371/4-A			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1158.D
Lims ID: LCSD 410-683371/4-A
Client ID:
Sample Type: LCSD
Inject. Date: 11-Aug-2025 23:24:12 ALS Bottle#: 8 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-683371/4-A
Misc. Info.: 410-0156268-010
Operator ID: EEA115318 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 12-Aug-2025 13:55:32 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1712

First Level Reviewer: W6ZA Date: 12-Aug-2025 13:43:12

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	25.0	8.87	35.46
$ 16 Phenol-d5	25.0	8.04	32.15
$ 39 Nitrobenzene-d5	25.0	15.0	59.85
$ 73 2-Fluorobiphenyl (Surr)	25.0	14.6	58.59
$ 109 2,4,6-Tribromophenol	25.0	12.9	51.45
$ 152 p-Terphenyl-d14	25.0	18.4	73.72

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

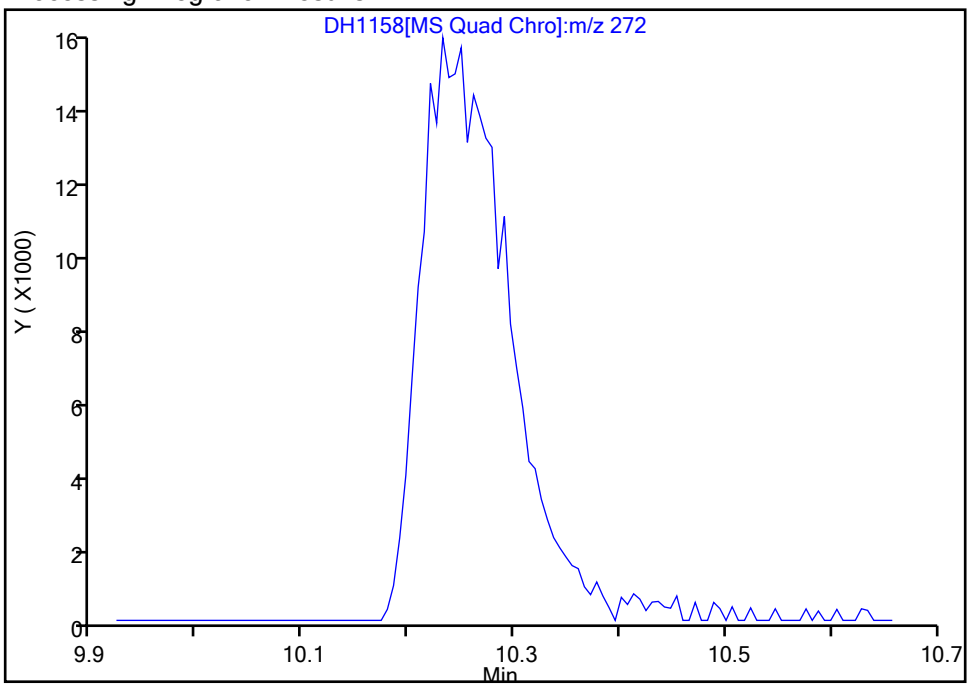
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250811-156268.b\DH1158.D				
Injection Date:	11-Aug-2025 23:24:12	Instrument ID:	HP19760		
Lims ID:	LCSD 410-683371/4-A				
Client ID:					
Operator ID:	EEA115318	ALS Bottle#:	8	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

153 Kepone, CAS: 143-50-0

Signal: 1

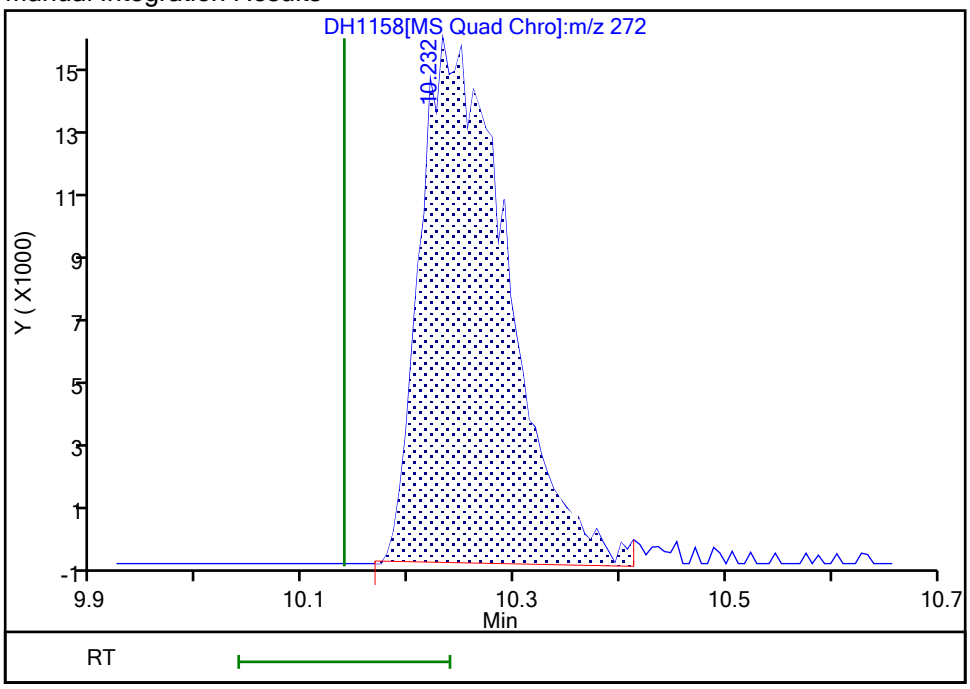
Not Detected
Expected RT: 10.14

Processing Integration Results



Manual Integration Results

RT: 10.23
Area: 89107
Amount: 6.215728
Amount Units: ug/ml



Reviewer: W6ZA, 12-Aug-2025 13:43:00 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1AMS MS
Lab Sample ID: 410-234898-4 MS

Matrix: Water
Lab File ID: HG0726.D

Analysis Method: 8270E
Date Collected: 07/30/2025 11:05

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 249.8(mL)
Date Analyzed: 08/07/2025 16:56

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	38.95		10.0	2.00
99-65-0	1,3-Dinitrobenzene	44.06		10.0	2.30
108-60-1	bis (2-chloroisopropyl) ether	34.35		10.0	0.600
58-90-2	2,3,4,6-Tetrachlorophenol	15.25		10.0	1.80
95-95-4	2,4,5-Trichlorophenol	24.78		10.0	2.00
88-06-2	2,4,6-Trichlorophenol	18.21		10.0	1.80
120-83-2	2,4-Dichlorophenol	18.87		10.0	1.59
121-14-2	2,4-Dinitrotoluene	45.75		10.0	2.10
87-65-0	2,6-Dichlorophenol	20.10		10.0	1.40
606-20-2	2,6-Dinitrotoluene	44.99		10.0	2.10
91-58-7	2-Chloronaphthalene	45.95		10.0	0.500
95-57-8	2-Chlorophenol	18.27		10.0	1.00
91-57-6	2-Methylnaphthalene	45.18		10.0	0.290
95-48-7	o-Cresol	19.32		10.0	0.961
88-74-4	2-Nitroaniline	47.19		10.0	1.00
88-75-5	2-Nitrophenol	35.00		10.0	1.27
101-55-3	4-Bromophenyl-phenylether	48.36		10.0	0.560
59-50-7	4-Chloro-3-methylphenol	18.37		10.0	1.00
7005-72-3	4-Chlorophenyl-phenyl ether	44.18		10.0	0.600
106-44-5	m & p-Cresol	13.51	J	20.0	2.47
99-55-8	5-Nitro-o-toluidine	ND		10.0	2.00
83-32-9	Acenaphthene	42.08		10.0	0.350
208-96-8	Acenaphthylene	45.23		10.0	0.480
120-12-7	Anthracene	46.78		10.0	0.520
56-55-3	Benzo[a]anthracene	48.90		10.0	0.450
50-32-8	Benzo[a]pyrene	29.69		10.0	1.50
205-99-2	Benzo[b]fluoranthene	46.14		10.0	1.20
191-24-2	Benzo[g,h,i]perylene	38.20		10.0	0.420
207-08-9	Benzo[k]fluoranthene	49.61		10.0	1.60
218-01-9	Chrysene	51.32		10.0	0.310

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1AMS MS
Lab Sample ID: 410-234898-4 MS

Matrix: Water
Lab File ID: HG0726.D

Analysis Method: 8270E
Date Collected: 07/30/2025 11:05

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 249.8(mL)
Date Analyzed: 08/07/2025 16:56

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2303-16-4	Diallate	ND		10.0	3.00
53-70-3	Dibenz(a,h)anthracene	54.96		10.0	0.380
132-64-9	Dibenzofuran	44.28		10.0	0.600
84-66-2	Diethyl phthalate	45.63		10.0	2.00
60-51-5	Dimethoate	ND		10.0	3.00
62-50-0	Ethyl methanesulfonate	ND		10.0	1.10
206-44-0	Fluoranthene	49.68		10.0	0.420
86-73-7	Fluorene	47.38		10.0	0.380
118-74-1	Hexachlorobenzene	46.43		10.0	0.871
1888-71-7	Hexachloropropene	ND		10.0	2.00
193-39-5	Indeno[1,2,3-cd]pyrene	51.31		10.0	0.150
465-73-6	Isodrin	ND		10.0	1.10
143-50-0	Kepone	ND		50.0	25.0
55-18-5	N-Nitrosodiethylamine	ND		10.0	3.00
62-75-9	N-Nitrosodimethylamine	25.27		10.0	2.00
86-30-6	n-Nitrosodiphenylamine(as diphenylamine)	46.35		10.0	0.580
59-89-2	N-Nitrosomorpholine	ND		10.0	3.00
100-75-4	N-Nitrosopiperidine	ND		10.0	1.10
98-95-3	Nitrobenzene	41.64		10.0	0.600
126-68-1	o,o',o''-Triethylphosphorothioate	ND		10.0	2.60
608-93-5	Pentachlorobenzene	ND		10.0	1.60
62-44-2	Phenacetin	ND		10.0	1.40
87-86-5	Pentachlorophenol	28.35		10.0	3.00
85-01-8	Phenanthrene	45.89		10.0	0.520
108-95-2	Phenol	7.778	J	10.0	0.771
298-02-2	Phorate	ND		10.0	2.50
129-00-0	Pyrene	45.08		10.0	0.410
94-59-7	Safrole, Total	ND		10.0	2.20
3689-24-5	Sulfotepp	ND		10.0	2.40

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1AMS MS
Lab Sample ID: 410-234898-4 MS

Matrix: Water
Lab File ID: HG0726.D

Analysis Method: 8270E
Date Collected: 07/30/2025 11:05

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 249.8(mL)
Date Analyzed: 08/07/2025 16:56

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
297-97-2	O,O-Diethyl O-2-pyrazinyl phosphorothioate	ND		10.0	2.40
117-81-7	Bis(2-ethylhexyl) phthalate	51.85		10.0	2.00

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	14	cn	13-134
321-60-8	2-Fluorobiphenyl (Surr)	77	cn	45-120
367-12-4	2-Fluorophenol (Surr)	13	cn	10-120
4165-60-0	Nitrobenzene-d5 (Surr)	69	cn	33-120
1718-51-0	p-Terphenyl-d14 (Surr)	95	cn	26-123
4165-62-2	Phenol-d5 (Surr)	12	cn	10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0726.D
Lims ID: 410-234898-J-4-A MS
Client ID: 16WC1AMS
Sample Type: MS
Inject. Date: 07-Aug-2025 16:56:30 ALS Bottle#: 26 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-234898-J-4-A MS
Misc. Info.: 410-0155808-027
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 19:44:43 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 19:40:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 N-Nitrosodimethylamine	74	1.561	1.561	0.012	95	145144	12.5	6.31	
$ 9 2-Fluorophenol	112	2.641	2.637	0.000	50	91260	25.0	3.31	
11 N-Nitrosodiethylamine	102		2.833					ND	
12 Ethyl methanesulfonate	109	3.102	3.138	-0.041	36	2162		0.1349	
$ 15 Phenol-d5	99	3.569	3.564	0.000	93	121711	25.0	2.95	
16 Phenol	94	3.581	3.587	0.000	66	94122	12.5	1.94	
19 2-Chlorophenol	128	3.692	3.686	0.000	91	124469	12.5	4.56	
* 22 1,4-Dichlorobenzene-d4	152	3.885	3.890	-0.005	96	112773	5.00	5.00	
29 2-Methylphenol	108	4.171	4.176	-0.005	62	149291	12.5	4.82	
30 2,2'-oxybis[1-chloropropane]	45	4.177	4.170	0.001	86	547777	12.5	8.58	
35 N-Nitrosomorpholine	56		4.328					ND	U
34 4-Methylphenol	108	4.334	4.334	0.000	87	111424	12.5	3.38	
$ 39 Nitrobenzene-d5	82	4.439	4.439	0.000	88	815518	25.0	17.4	
40 Nitrobenzene	77	4.457	4.462	-0.005	86	508343	12.5	10.4	
41 N-Nitrosopiperidine	114		4.608					ND	U
43 2-Nitrophenol	139	4.766	4.772	-0.006	90	123960	12.5	8.74	
46 o,o',o''-Triethylphosphorothioat	198		4.900					ND	U
49 2,4-Dichlorophenol	162	5.017	5.017	0.000	95	122783	12.5	4.71	
* 52 Naphthalene-d8	136	5.128	5.128	0.000	99	393617	5.00	5.00	
57 2,6-Dichlorophenol	162	5.228	5.227	0.001	78	134211	12.5	5.02	
58 Hexachloropropene	213		5.233					ND	U
65 4-Chloro-3-methylphenol	107	5.724	5.730	-0.006	91	151661	12.5	4.59	
66 Safrole, Total	162		5.753					ND	U
67 2-Methylnaphthalene	142	5.817	5.823	-0.006	92	558154	12.5	11.3	
70 1,2,4,5-Tetrachlorobenzene	216	5.981	5.986	-0.005	97	339093	12.5	9.73	
79 2,4,6-Trichlorophenol	196	6.109	6.109	0.000	90	87995	12.5	4.55	
80 2,4,5-Trichlorophenol	196	6.150	6.156	-0.006	92	133592	12.5	6.19	
$ 81 2-Fluorobiphenyl (Surr)	172	6.179	6.185	-0.006	99	1278486	25.0	19.2	
84 2-Chloronaphthalene	162	6.279	6.284	-0.005	97	647099	12.5	11.5	
87 2-Nitroaniline	138	6.401	6.407	-0.006	75	188250	12.5	11.8	
91 1,3-Dinitrobenzene	168	6.611	6.617	-0.006	80	97327	12.5	11.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 2,6-Dinitrotoluene	165	6.641	6.646	-0.005	88	161829	12.5	11.2	
93 Acenaphthylene	152	6.670	6.675	-0.005	98	1004742	12.5	11.3	
* 96 Acenaphthene-d10	164	6.804	6.804	0.000	93	234769	5.00	5.00	
97 Acenaphthene	153	6.839	6.839	0.000	96	607934	12.5	10.5	
99 Pentachlorobenzene	250		6.967					ND	U
101 Dibenzofuran	168	7.003	7.008	-0.005	95	891167	12.5	11.1	
102 2,4-Dinitrotoluene	165	7.020	7.026	-0.006	86	226136	12.5	11.4	
105 2,3,4,6-Tetrachlorophenol	232	7.137	7.143	-0.006	74	71446	12.5	3.81	
107 Diethyl phthalate	149	7.260	7.265	-0.005	96	769218	12.5	11.4	
108 Fluorene	166	7.330	7.330	0.001	94	728652	12.5	11.8	
109 Thionazin	107		7.335					ND	U
110 4-Chlorophenyl phenyl ether	204	7.341	7.347	-0.006	95	365550	12.5	11.0	
111 N-Nitro-o-toluidine	152		7.364					ND	7
114 N-Nitrosodiphenylamine	169	7.458	7.464	-0.006	61	579018	10.6	11.6	
$ 116 2,4,6-Tribromophenol	330	7.563	7.563	0.000	90	38140	25.0	3.41	
117 Sulfotepp	97		7.639					ND	7
120 cis-Diallate	86		7.744					ND	U
119 Phorate	75		7.750					ND	
121 Phenacetin	108		7.785					ND	7
122 4-Bromophenyl phenyl ether	248	7.803	7.808	-0.005	67	233828	12.5	12.1	
123 trans-Diallate	86		7.826					ND	U
124 Hexachlorobenzene	284	7.849	7.849	0.000	94	268534	12.5	11.6	
125 Dimethoate	87		7.919					ND	7
127 Pentachlorophenol	266	8.048	8.053	-0.005	89	101067	25.0	7.08	
* 131 Phenanthrene-d10	188	8.211	8.211	0.000	97	430711	5.00	5.00	
132 Phenanthrene	178	8.235	8.234	0.001	98	1091047	12.5	11.5	
135 Anthracene	178	8.281	8.287	-0.006	98	1091172	12.5	11.7	
143 Isodrin	193		9.215					ND	U
144 Fluoranthene	202	9.356	9.361	-0.005	97	1298408	12.5	12.4	
* 146 Pyrene-d10 (IS)	212	9.548	9.554	-0.006	97	470775	5.00	5.00	
147 Pyrene	202	9.566	9.542	-0.006	99	1295602	12.5	11.3	
S 68 Diallate	86		9.653					ND	7
$ 148 p-Terphenyl-d14	244	9.747	9.747	-0.006	98	1503070	25.0	23.7	
154 Kepone	272		10.208					ND	U
156 Benzo[a]anthracene	228	10.757	10.756	-0.006	99	1110959	12.5	12.2	
159 Chrysene	228	10.792	10.791	-0.006	97	1133036	12.5	12.8	
160 Bis(2-ethylhexyl) phthalate	149	10.874	10.867	0.000	96	721478	12.5	13.0	
164 Benzo[b]fluoranthene	252	12.013	12.018	-0.005	97	1024642	12.5	11.5	
165 Benzo[k]fluoranthene	252	12.042	12.047	-0.005	98	1137769	12.5	12.4	
166 Benzo[a]pyrene	252	12.421	12.427	-0.006	76	629668	12.5	7.42	
* 167 Perylene-d12	264	12.497	12.497	0.000	98	365418	5.00	5.00	
171 Indeno[1,2,3-cd]pyrene	276	13.928	13.939	-0.011	99	999439	12.5	12.8	
172 Dibenz(a,h)anthracene	278	13.974	13.980	-0.006	92	1009663	12.5	13.7	
173 Benzo[g,h,i]perylene	276	14.278	14.284	-0.006	98	758849	12.5	9.54	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

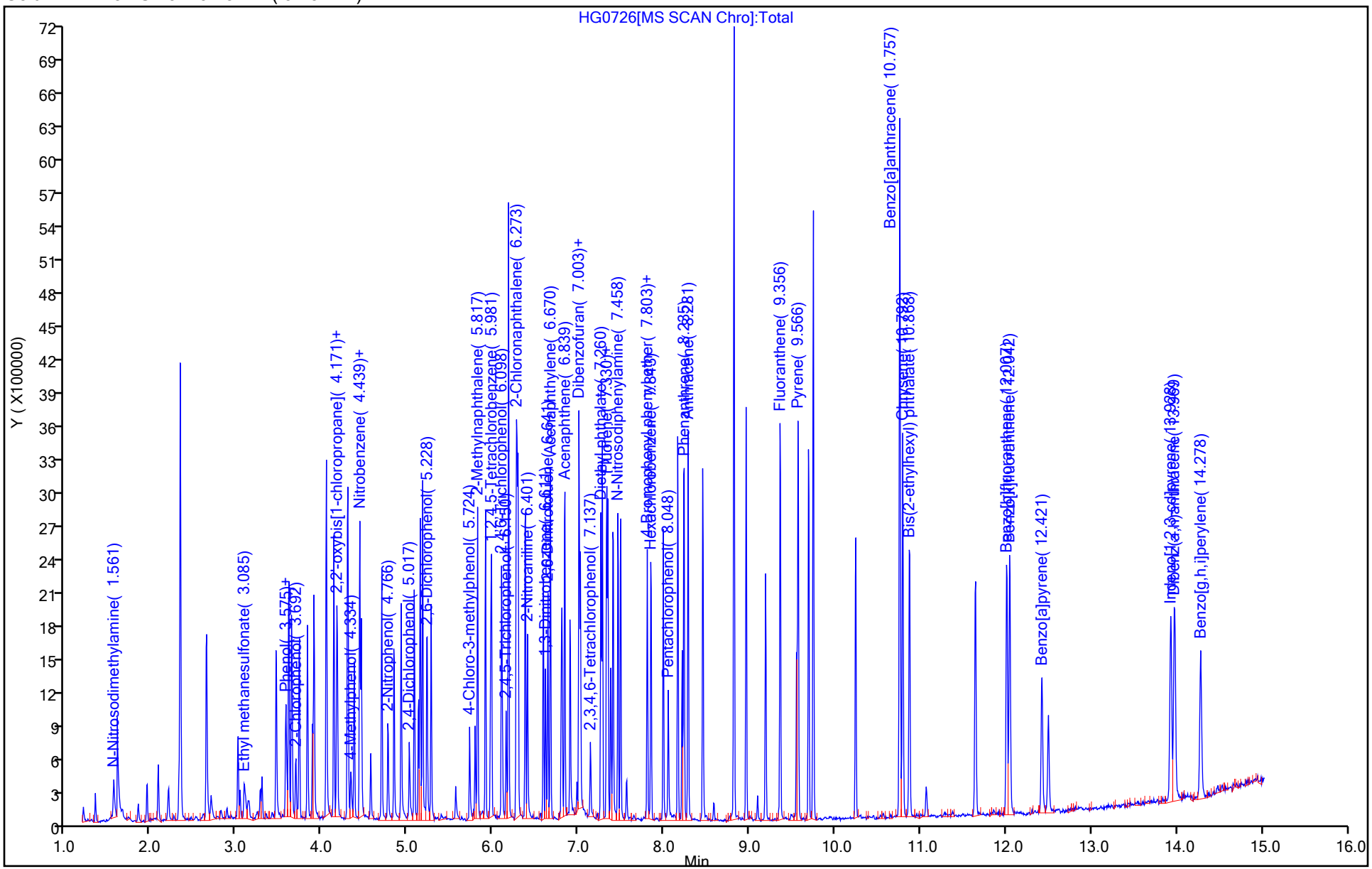
Report Date: 07-Aug-2025 19:44:59 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0726.D

Injection Date:	07-Aug-2025 16:56:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	410-234898-J-4-A MS			Worklist Smp#:	27
Client ID:	16WC1AMS				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0726.D
Lims ID: 410-234898-J-4-A MS
Client ID: 16WC1AMS
Sample Type: MS
Inject. Date: 07-Aug-2025 16:56:30 ALS Bottle#: 26 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-234898-J-4-A MS
Misc. Info.: 410-0155808-027
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 19:44:43 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 19:40:58

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	3.31	13.26
$ 15 Phenol-d5	25.0	2.95	11.80
$ 39 Nitrobenzene-d5	25.0	17.4	69.47
$ 81 2-Fluorobiphenyl (Surr)	25.0	19.2	76.71
$ 116 2,4,6-Tribromophenol	25.0	3.41	13.65
$ 148 p-Terphenyl-d14	25.0	23.7	94.63

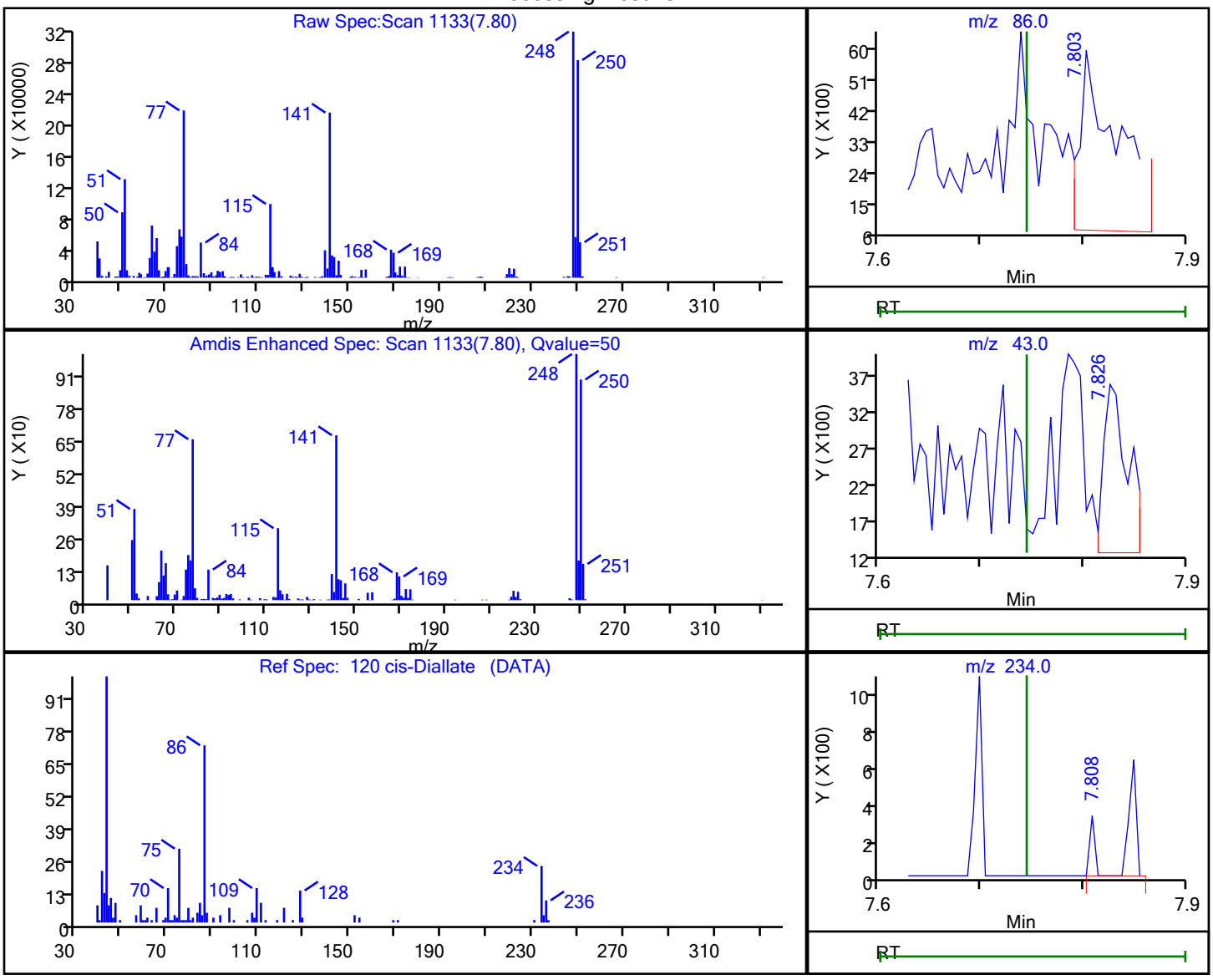
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0726.D				
Injection Date:	07-Aug-2025 16:56:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-4-A MS				
Client ID:	16WC1AMS				
Operator ID:	CJS101602	ALS Bottle#:	26	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

120 cis-Diallate, CAS: 17708-57-5

Processing Results



RT	Mass	Response	Amount
7.80	86.00	12731	0.383989
7.83	43.00	3602	
7.81	234.00	419	
7.80	70.00	20202	

Reviewer: RN6U, 07-Aug-2025 19:40:16 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

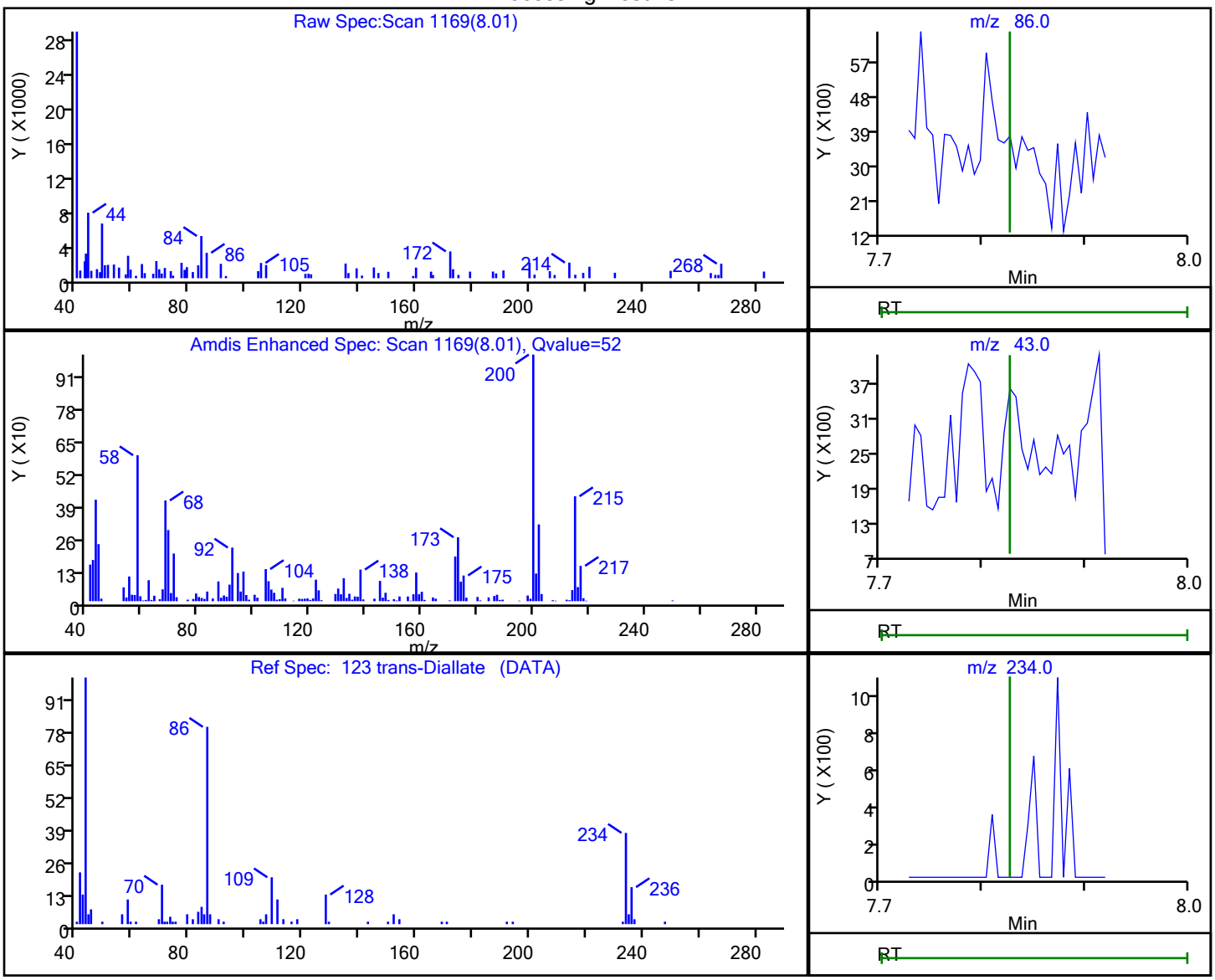
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0726.D				
Injection Date:	07-Aug-2025 16:56:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-4-A MS				
Client ID:	16WC1AMS				
Operator ID:	CJS101602	ALS Bottle#:	26	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

123 trans-Diallate, CAS: 17708-58-6

Processing Results



RT	Mass	Response	Amount
8.01	86.00	8412	0.247038
8.02	43.00	4412	
8.05	234.00	3857	

Reviewer: RN6U, 07-Aug-2025 19:40:24 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

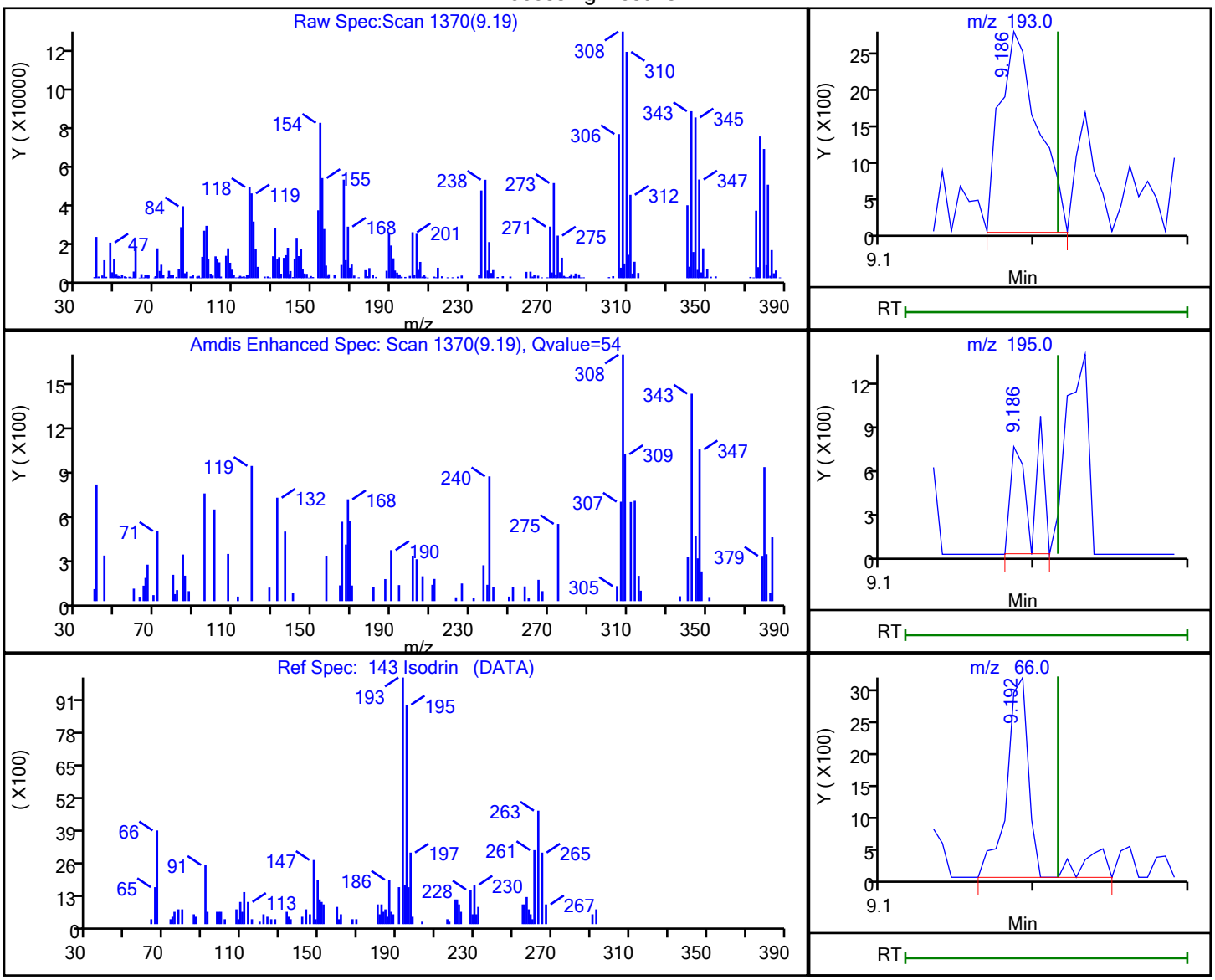
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0726.D				
Injection Date:	07-Aug-2025 16:56:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-4-A MS				
Client ID:	16WC1AMS				
Operator ID:	CJS101602	ALS Bottle#:	26	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

143 Isodrin, CAS: 465-73-6

Processing Results



RT	Mass	Response	Amount
9.19	193.00	4690	0.336710
9.19	195.00	790	
9.19	66.00	3547	
9.19	263.00	2004	

Reviewer: RN6U, 07-Aug-2025 19:40:39 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

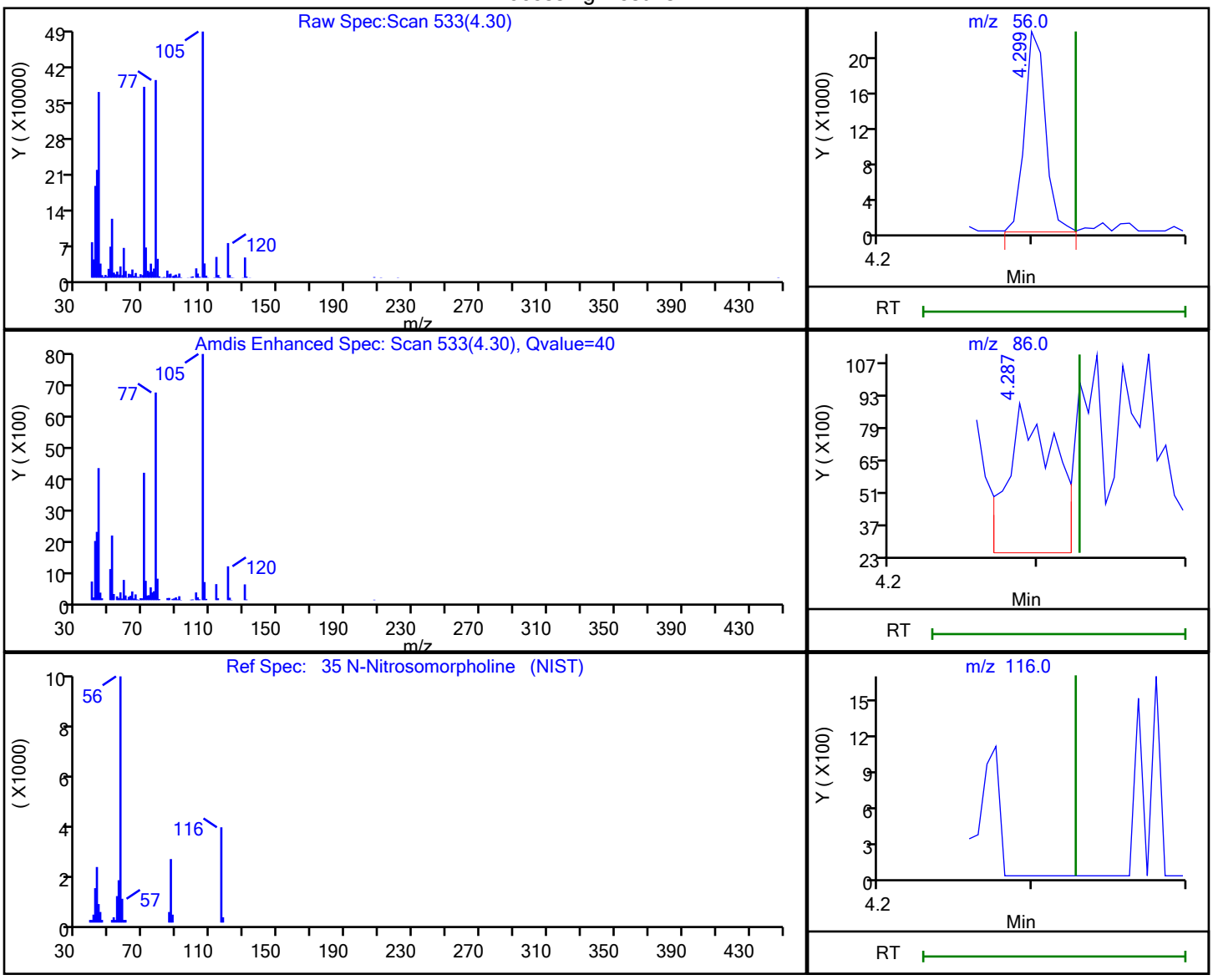
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0726.D				
Injection Date:	07-Aug-2025 16:56:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-4-A MS				
Client ID:	16WC1AMS				
Operator ID:	CJS101602	ALS Bottle#:	26	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

35 N-Nitrosomorpholine, CAS: 59-89-2

Processing Results



RT	Mass	Response	Amount
4.30	56.00	20969	0.807106
4.29	86.00	13648	
4.33	116.00	0	

Reviewer: RN6U, 07-Aug-2025 19:38:58 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

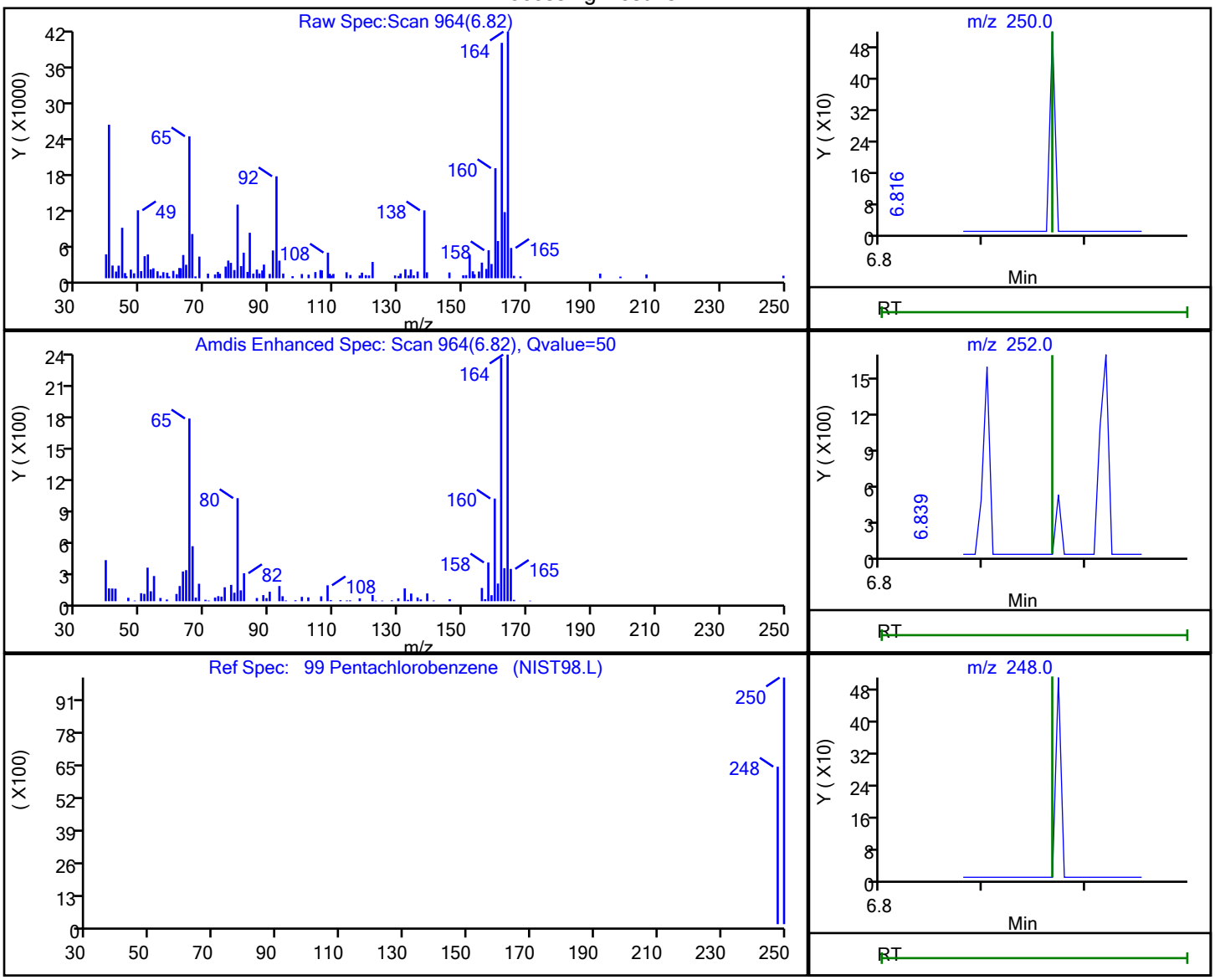
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0726.D				
Injection Date:	07-Aug-2025 16:56:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-4-A MS				
Client ID:	16WC1AMS				
Operator ID:	CJS101602	ALS Bottle#:	26	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

99 Pentachlorobenzene, CAS: 608-93-5

Processing Results



RT	Mass	Response	Amount
6.82	250.00	263	0.009090
6.84	252.00	388	
6.97	248.00	0	

Reviewer: RN6U, 07-Aug-2025 19:39:53 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

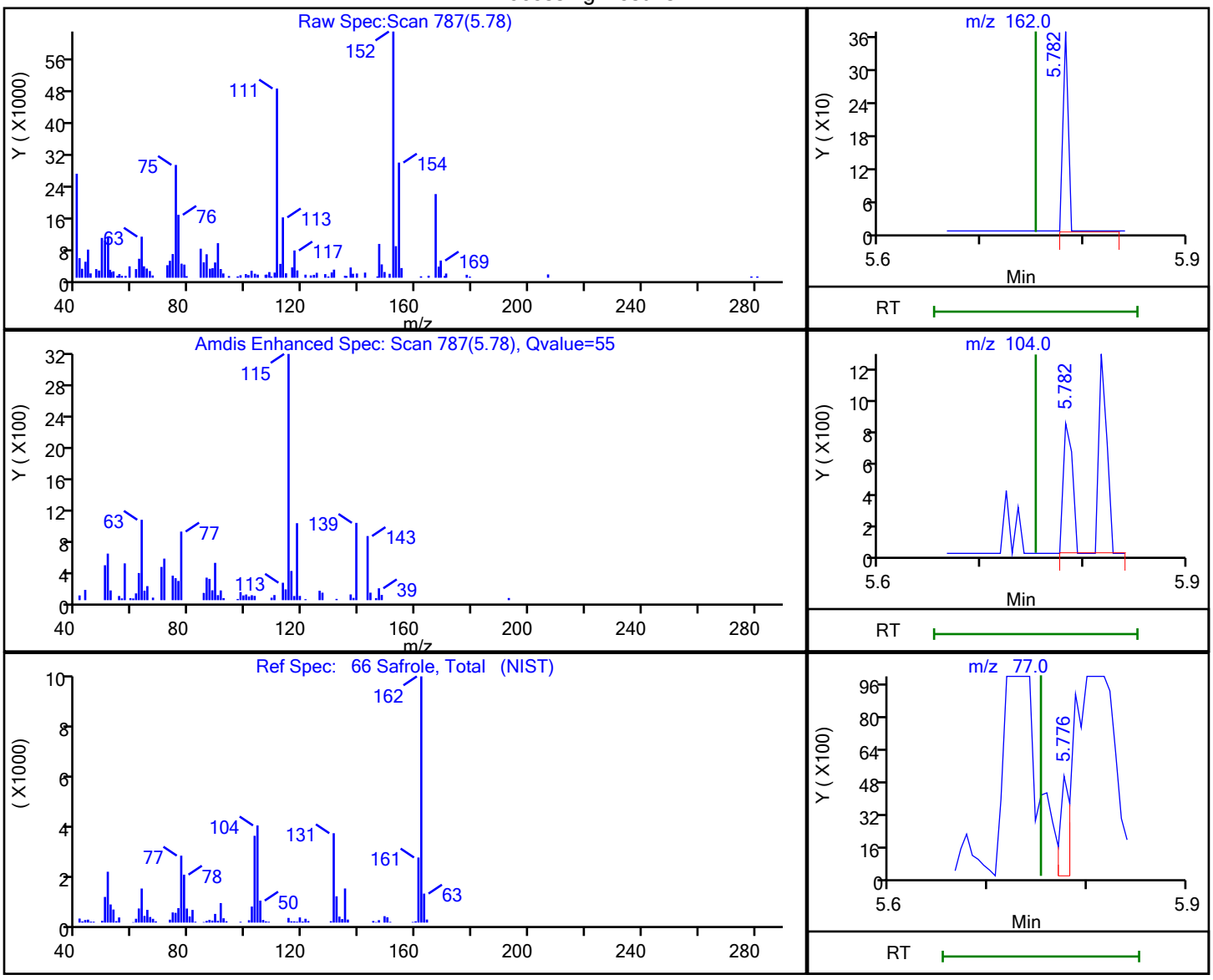
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0726.D				
Injection Date:	07-Aug-2025 16:56:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-4-A MS				
Client ID:	16WC1AMS				
Operator ID:	CJS101602	ALS Bottle#:	26	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

66 Safrole, Total, CAS: 94-59-7

Processing Results



RT	Mass	Response	Amount
5.78	162.00	126	0.005498
5.78	104.00	1152	
5.78	77.00	2625	
5.78	103.00	1407	

Reviewer: RN6U, 07-Aug-2025 19:39:36 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

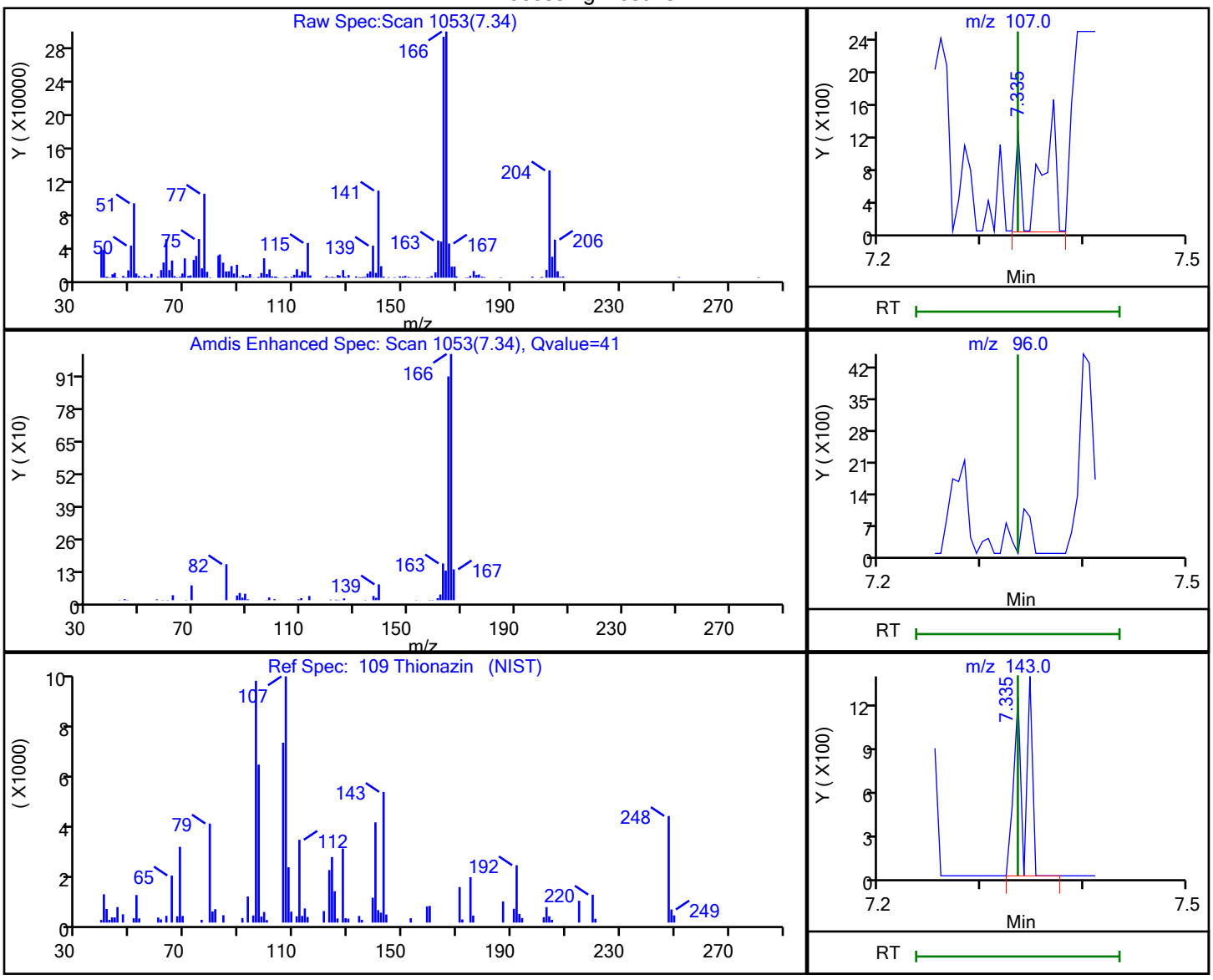
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0726.D				
Injection Date:	07-Aug-2025 16:56:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-4-A MS				
Client ID:	16WC1AMS				
Operator ID:	CJS101602	ALS Bottle#:	26	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

109 Thionazin, CAS: 297-97-2

Processing Results



RT	Mass	Response	Amount
7.34	107.00	1747	0.140223
7.34	143.00	1099	
7.38	79.00	5678	
7.34	96.00	0	

Reviewer: RN6U, 07-Aug-2025 19:40:05 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1AMSD MSD
Lab Sample ID: 410-234898-4 MSD

Matrix: Water
Lab File ID: HG0727.D

Analysis Method: 8270E
Date Collected: 07/30/2025 11:05

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 249.2(mL)
Date Analyzed: 08/07/2025 17:17

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	41.62		10.0	2.01
99-65-0	1,3-Dinitrobenzene	41.57		10.0	2.31
108-60-1	bis (2-chloroisopropyl) ether	34.89		10.0	0.602
58-90-2	2,3,4,6-Tetrachlorophenol	14.01		10.0	1.81
95-95-4	2,4,5-Trichlorophenol	19.25		10.0	2.01
88-06-2	2,4,6-Trichlorophenol	13.94		10.0	1.81
120-83-2	2,4-Dichlorophenol	13.38		10.0	1.60
121-14-2	2,4-Dinitrotoluene	46.20		10.0	2.11
87-65-0	2,6-Dichlorophenol	15.57		10.0	1.40
606-20-2	2,6-Dinitrotoluene	46.38		10.0	2.11
91-58-7	2-Chloronaphthalene	45.13		10.0	0.502
95-57-8	2-Chlorophenol	11.59		10.0	1.00
91-57-6	2-Methylnaphthalene	46.77		10.0	0.291
95-48-7	o-Cresol	12.91		10.0	0.963
88-74-4	2-Nitroaniline	51.68		10.0	1.00
88-75-5	2-Nitrophenol	34.12		10.0	1.27
101-55-3	4-Bromophenyl-phenylether	45.93		10.0	0.562
59-50-7	4-Chloro-3-methylphenol	11.22		10.0	1.00
7005-72-3	4-Chlorophenyl-phenyl ether	45.32		10.0	0.602
106-44-5	m & p-Cresol	7.903	J	20.1	2.48
99-55-8	5-Nitro-o-toluidine	ND		10.0	2.01
83-32-9	Acenaphthene	42.11		10.0	0.351
208-96-8	Acenaphthylene	47.24		10.0	0.482
120-12-7	Anthracene	45.59		10.0	0.522
56-55-3	Benzo[a]anthracene	51.86		10.0	0.451
50-32-8	Benzo[a]pyrene	31.55		10.0	1.50
205-99-2	Benzo[b]fluoranthene	46.76		10.0	1.20
191-24-2	Benzo[g,h,i]perylene	40.00		10.0	0.421
207-08-9	Benzo[k]fluoranthene	48.21		10.0	1.61
218-01-9	Chrysene	55.73		10.0	0.311

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1AMSD MSD
Lab Sample ID: 410-234898-4 MSD

Matrix: Water
Lab File ID: HG0727.D

Analysis Method: 8270E
Date Collected: 07/30/2025 11:05

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 249.2(mL)
Date Analyzed: 08/07/2025 17:17

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
2303-16-4	Diallate	ND		10.0	3.01
53-70-3	Dibenz(a,h)anthracene	56.15		10.0	0.381
132-64-9	Dibenzofuran	45.27		10.0	0.602
84-66-2	Diethyl phthalate	43.71		10.0	2.01
60-51-5	Dimethoate	ND		10.0	3.01
62-50-0	Ethyl methanesulfonate	ND		10.0	1.10
206-44-0	Fluoranthene	48.04		10.0	0.421
86-73-7	Fluorene	47.78		10.0	0.381
118-74-1	Hexachlorobenzene	44.13		10.0	0.873
1888-71-7	Hexachloropropene	ND		10.0	2.01
193-39-5	Indeno[1,2,3-cd]pyrene	49.58		10.0	0.150
465-73-6	Isodrin	ND		10.0	1.10
143-50-0	Kepone	ND		50.2	25.1
55-18-5	N-Nitrosodiethylamine	ND		10.0	3.01
62-75-9	N-Nitrosodimethylamine	27.24		10.0	2.01
86-30-6	n-Nitrosodiphenylamine(as diphenylamine)	44.04		10.0	0.582
59-89-2	N-Nitrosomorpholine	ND		10.0	3.01
100-75-4	N-Nitrosopiperidine	ND		10.0	1.10
98-95-3	Nitrobenzene	40.53		10.0	0.602
126-68-1	o,o',o''-Triethylphosphorothioate	ND		10.0	2.61
608-93-5	Pentachlorobenzene	ND		10.0	1.61
62-44-2	Phenacetin	ND		10.0	1.40
87-86-5	Pentachlorophenol	29.53		10.0	3.01
85-01-8	Phenanthrene	45.60		10.0	0.522
108-95-2	Phenol	4.416	J	10.0	0.772
298-02-2	Phorate	ND		10.0	2.51
129-00-0	Pyrene	47.54		10.0	0.411
94-59-7	Safrole, Total	ND		10.0	2.21
3689-24-5	Sulfotepp	ND		10.0	2.41

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Client Sample ID: 16WC1AMSD MSD
Lab Sample ID: 410-234898-4 MSD

Matrix: Water
Lab File ID: HG0727.D

Analysis Method: 8270E
Date Collected: 07/30/2025 11:05

Extract. Method: 3510C
Date Extracted: 08/06/2025 07:35

Sample wt/vol: 249.2(mL)
Date Analyzed: 08/07/2025 17:17

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682061
Units: ug/L

Preparation Batch No.: 681385
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
297-97-2	O,O-Diethyl O-2-pyrazinyl phosphorothioate	ND		10.0	2.41
117-81-7	Bis(2-ethylhexyl) phthalate	54.58		10.0	2.01

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	12	S1-cn	13-134
321-60-8	2-Fluorobiphenyl (Surr)	75	cn	45-120
367-12-4	2-Fluorophenol (Surr)	7	S1-cn	10-120
4165-60-0	Nitrobenzene-d5 (Surr)	69	cn	33-120
1718-51-0	p-Terphenyl-d14 (Surr)	98	cn	26-123
4165-62-2	Phenol-d5 (Surr)	6	S1-cn	10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0727.D
Lims ID: 410-234898-J-4-B MSD
Client ID: 16WC1AMSD
Sample Type: MSD
Inject. Date: 07-Aug-2025 17:17:30 ALS Bottle#: 27 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-234898-J-4-B MSD
Misc. Info.: 410-0155808-028
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 19:44:43 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 19:43:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 N-Nitrosodimethylamine	74	1.561	1.561	0.012	94	145634	12.5	6.79	Ma
$ 9 2-Fluorophenol	112	2.647	2.637	0.006	46	46176	25.0	1.80	
11 N-Nitrosodiethylamine	102		2.833					ND	
12 Ethyl methanesulfonate	109		3.143					ND	U
$ 15 Phenol-d5	99	3.575	3.564	0.006	58	55017	25.0	1.43	
16 Phenol	94	3.587	3.587	0.006	58	49743	12.5	1.10	M
19 2-Chlorophenol	128	3.692	3.686	0.000	88	73531	12.5	2.89	
* 22 1,4-Dichlorobenzene-d4	152	3.885	3.890	-0.005	96	105230	5.00	5.00	
29 2-Methylphenol	108	4.171	4.176	-0.005	54	92920	12.5	3.22	
30 2,2'-oxybis[1-chloropropane]	45	4.171	4.170	-0.005	90	517950	12.5	8.69	
35 N-Nitrosomorpholine	56		4.328					ND	U
34 4-Methylphenol	108	4.334	4.334	0.000	90	60662	12.5	1.97	
$ 39 Nitrobenzene-d5	82	4.439	4.439	0.000	87	773183	25.0	17.3	
40 Nitrobenzene	77	4.457	4.462	-0.005	87	469500	12.5	10.1	
41 N-Nitrosopiperidine	114		4.608					ND	
43 2-Nitrophenol	139	4.766	4.772	-0.006	91	114670	12.5	8.50	
46 o,o',o''-Triethylphosphorothioat	198		4.900					ND	
49 2,4-Dichlorophenol	162	5.023	5.017	0.006	95	82639	12.5	3.34	
* 52 Naphthalene-d8	136	5.128	5.128	0.000	99	374397	5.00	5.00	
57 2,6-Dichlorophenol	162	5.228	5.227	0.001	76	98628	12.5	3.88	
58 Hexachloropropene	213		5.233					ND	
65 4-Chloro-3-methylphenol	107	5.724	5.730	-0.006	90	87915	12.5	2.80	
66 Safrole, Total	162		5.753					ND	
67 2-Methylnaphthalene	142	5.817	5.823	-0.006	92	548187	12.5	11.7	
70 1,2,4,5-Tetrachlorobenzene	216	5.981	5.986	-0.005	96	350960	12.5	10.4	
79 2,4,6-Trichlorophenol	196	6.109	6.109	0.000	91	65269	12.5	3.47	
80 2,4,5-Trichlorophenol	196	6.150	6.156	-0.006	92	100546	12.5	4.80	
$ 81 2-Fluorobiphenyl (Surr)	172	6.179	6.185	-0.006	100	1219161	25.0	18.8	
84 2-Chloronaphthalene	162	6.279	6.284	-0.005	96	615773	12.5	11.2	
87 2-Nitroaniline	138	6.401	6.407	-0.006	78	199729	12.5	12.9	
91 1,3-Dinitrobenzene	168	6.611	6.617	-0.006	81	88945	12.5	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 2,6-Dinitrotoluene	165	6.641	6.646	-0.005	92	161619	12.5	11.6	
93 Acenaphthylene	152	6.670	6.675	-0.005	98	1016412	12.5	11.8	
* 96 Acenaphthene-d10	164	6.804	6.804	0.000	94	227987	5.00	5.00	
97 Acenaphthene	153	6.839	6.839	0.000	96	589303	12.5	10.5	
99 Pentachlorobenzene	250		6.967					ND	7
101 Dibenzofuran	168	7.003	7.008	-0.005	95	882719	12.5	11.3	
102 2,4-Dinitrotoluene	165	7.020	7.026	-0.006	91	221257	12.5	11.5	
105 2,3,4,6-Tetrachlorophenol	232	7.137	7.143	-0.006	71	63595	12.5	3.49	
107 Diethyl phthalate	149	7.260	7.265	-0.005	96	713877	12.5	10.9	
108 Fluorene	166	7.330	7.330	0.001	93	711786	12.5	11.9	
109 Thionazin	107		7.335					ND	7
110 4-Chlorophenyl phenyl ether	204	7.341	7.347	-0.006	94	363312	12.5	11.3	
111 N-Nitro-o-toluidine	152		7.364					ND	7
114 N-Nitrosodiphenylamine	169	7.458	7.464	-0.006	62	548688	10.6	11.0	
$ 116 2,4,6-Tribromophenol	330	7.563	7.563	0.000	90	32911	25.0	3.03	
117 Sulfotepp	97		7.639					ND	7
120 cis-Diallate	86		7.744					ND	U
119 Phorate	75		7.750					ND	
121 Phenacetin	108		7.785					ND	7
122 4-Bromophenyl phenyl ether	248	7.803	7.808	-0.005	66	221525	12.5	11.4	
123 trans-Diallate	86		7.826					ND	7
124 Hexachlorobenzene	284	7.849	7.849	0.000	95	254581	12.5	11.0	
125 Dimethoate	87		7.919					ND	7
127 Pentachlorophenol	266	8.048	8.053	-0.005	90	105002	25.0	7.36	
* 131 Phenanthrene-d10	188	8.211	8.211	0.000	97	430643	5.00	5.00	
132 Phenanthrene	178	8.235	8.234	0.001	98	1081302	12.5	11.4	
135 Anthracene	178	8.281	8.287	-0.006	97	1060691	12.5	11.4	
143 Isodrin	193		9.215					ND	U
144 Fluoranthene	202	9.356	9.361	-0.005	98	1252394	12.5	12.0	
* 146 Pyrene-d10 (IS)	212	9.548	9.554	-0.006	97	445869	5.00	5.00	
147 Pyrene	202	9.566	9.542	-0.006	98	1290818	12.5	11.8	
S 68 Diallate	86		9.653					ND	7
$ 148 p-Terphenyl-d14	244	9.747	9.747	-0.006	98	1467186	25.0	24.4	
154 Kepone	272		10.208					ND	
156 Benzo[a]anthracene	228	10.757	10.756	-0.006	99	1113169	12.5	12.9	
159 Chrysene	228	10.792	10.791	-0.006	97	1162471	12.5	13.9	
160 Bis(2-ethylhexyl) phthalate	149	10.868	10.867	-0.006	96	717594	12.5	13.6	
164 Benzo[b]fluoranthene	252	12.012	12.018	-0.006	96	1053497	12.5	11.7	
165 Benzo[k]fluoranthene	252	12.042	12.047	-0.005	99	1121787	12.5	12.0	
166 Benzo[a]pyrene	252	12.421	12.427	-0.006	77	678864	12.5	7.86	
* 167 Perylene-d12	264	12.497	12.497	0.000	99	371611	5.00	5.00	
171 Indeno[1,2,3-cd]pyrene	276	13.928	13.939	-0.011	99	979750	12.5	12.4	
172 Dibenz(a,h)anthracene	278	13.974	13.980	-0.006	92	1046457	12.5	14.0	
173 Benzo[g,h,i]perylene	276	14.278	14.284	-0.006	99	806114	12.5	9.97	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
M - Manually Integrated
U - Marked Undetected
a - User Assigned ID

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

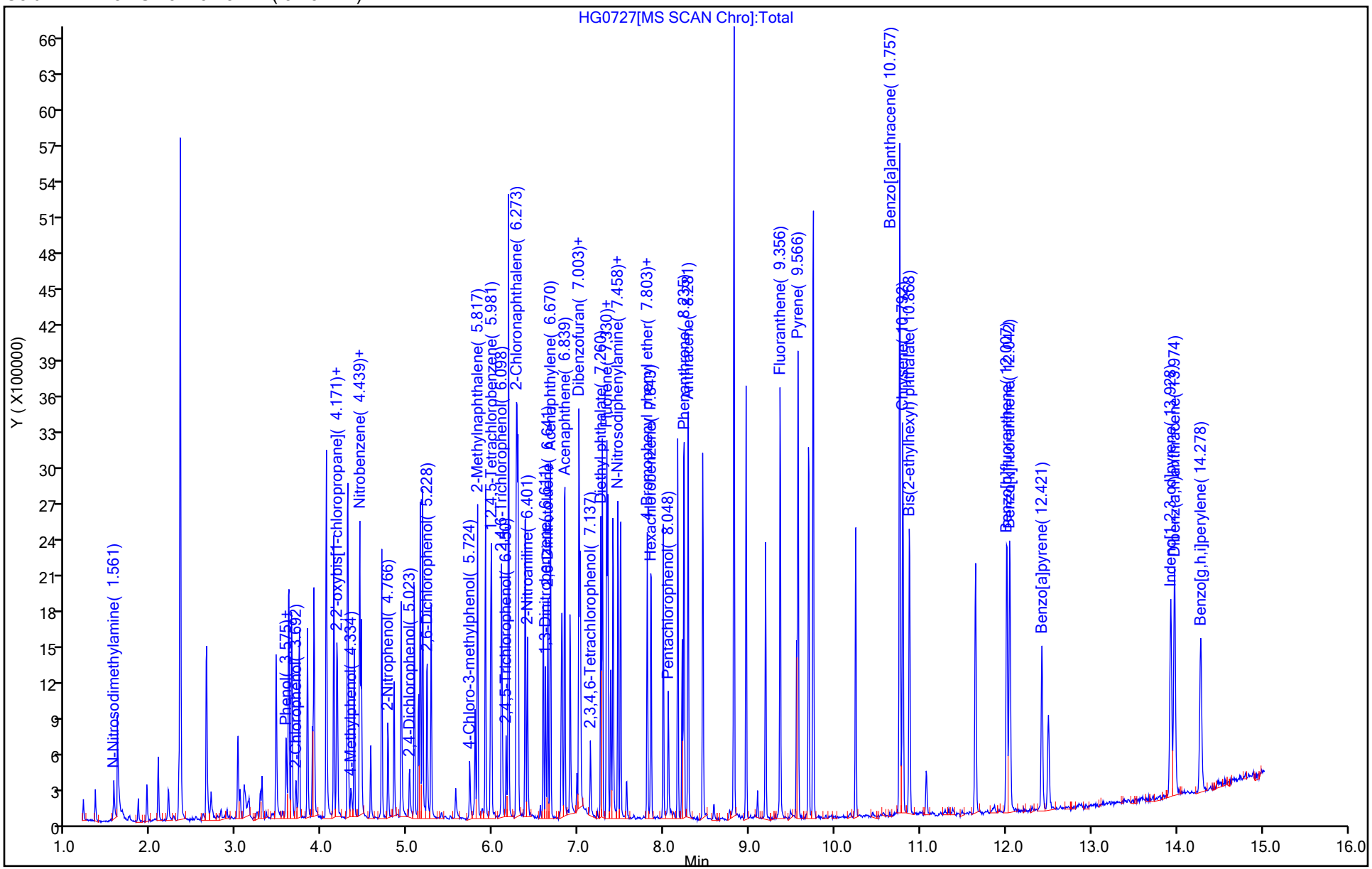
Report Date: 07-Aug-2025 19:45:03 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0727.D

Injection Date:	07-Aug-2025 17:17:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	410-234898-J-4-B MSD			Worklist Smp#:	28
Client ID:	16WC1AMSD				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0727.D
Lims ID: 410-234898-J-4-B MSD
Client ID: 16WC1AMSD
Sample Type: MSD
Inject. Date: 07-Aug-2025 17:17:30 ALS Bottle#: 27 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-234898-J-4-B MSD
Misc. Info.: 410-0155808-028
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 19:44:43 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 19:43:21

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	1.80	7.19
$ 15 Phenol-d5	25.0	1.43	5.72
$ 39 Nitrobenzene-d5	25.0	17.3	69.24
$ 81 2-Fluorobiphenyl (Surr)	25.0	18.8	75.32
$ 116 2,4,6-Tribromophenol	25.0	3.03	12.13
$ 148 p-Terphenyl-d14	25.0	24.4	97.53

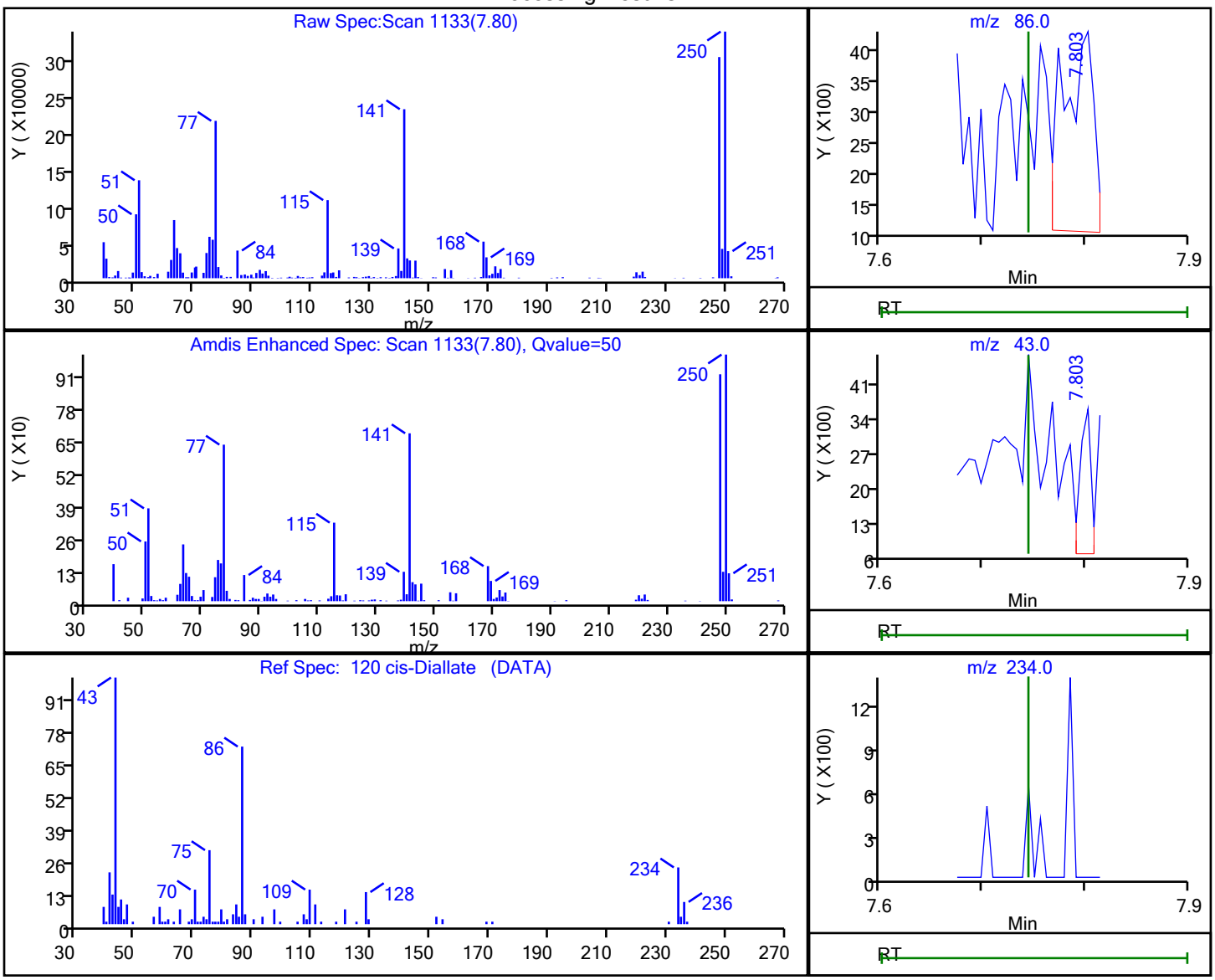
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0727.D				
Injection Date:	07-Aug-2025 17:17:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-4-B MSD				
Client ID:	16WC1AMSD				
Operator ID:	CJS101602	ALS Bottle#:	27	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

120 cis-Diallate, CAS: 17708-57-5

Processing Results



RT	Mass	Response	Amount
7.80	86.00	6218	0.187575
7.80	43.00	1986	
7.74	234.00	0	
7.80	70.00	18395	

Reviewer: RN6U, 07-Aug-2025 19:42:46 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

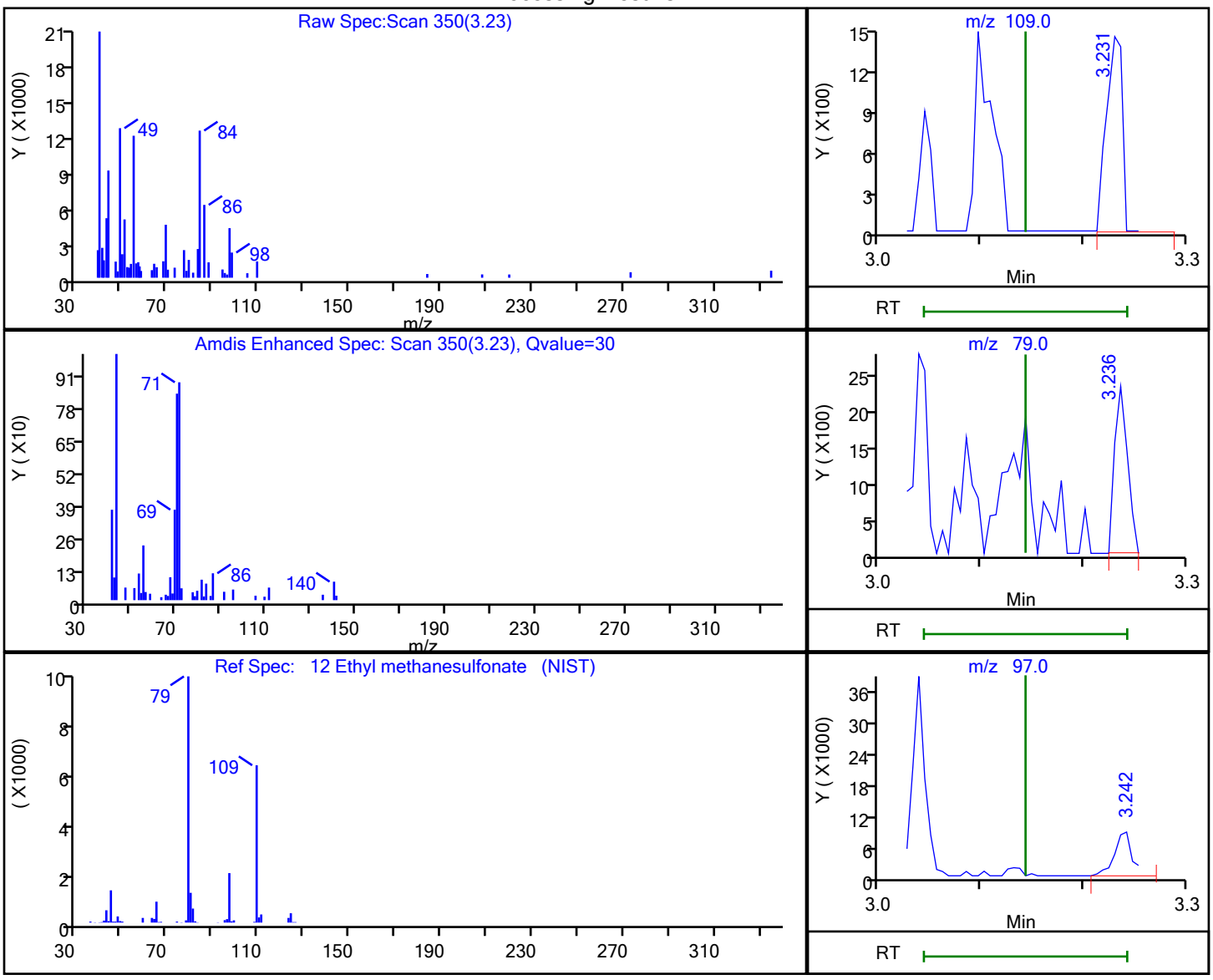
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0727.D				
Injection Date:	07-Aug-2025 17:17:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-4-B MSD				
Client ID:	16WC1AMSD				
Operator ID:	CJS101602	ALS Bottle#:	27	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

12 Ethyl methanesulfonate, CAS: 62-50-0

Processing Results



RT	Mass	Response	Amount
3.23	109.00	1829	0.122320
3.24	79.00	2022	
3.24	97.00	10020	

Reviewer: RN6U, 07-Aug-2025 19:41:42 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

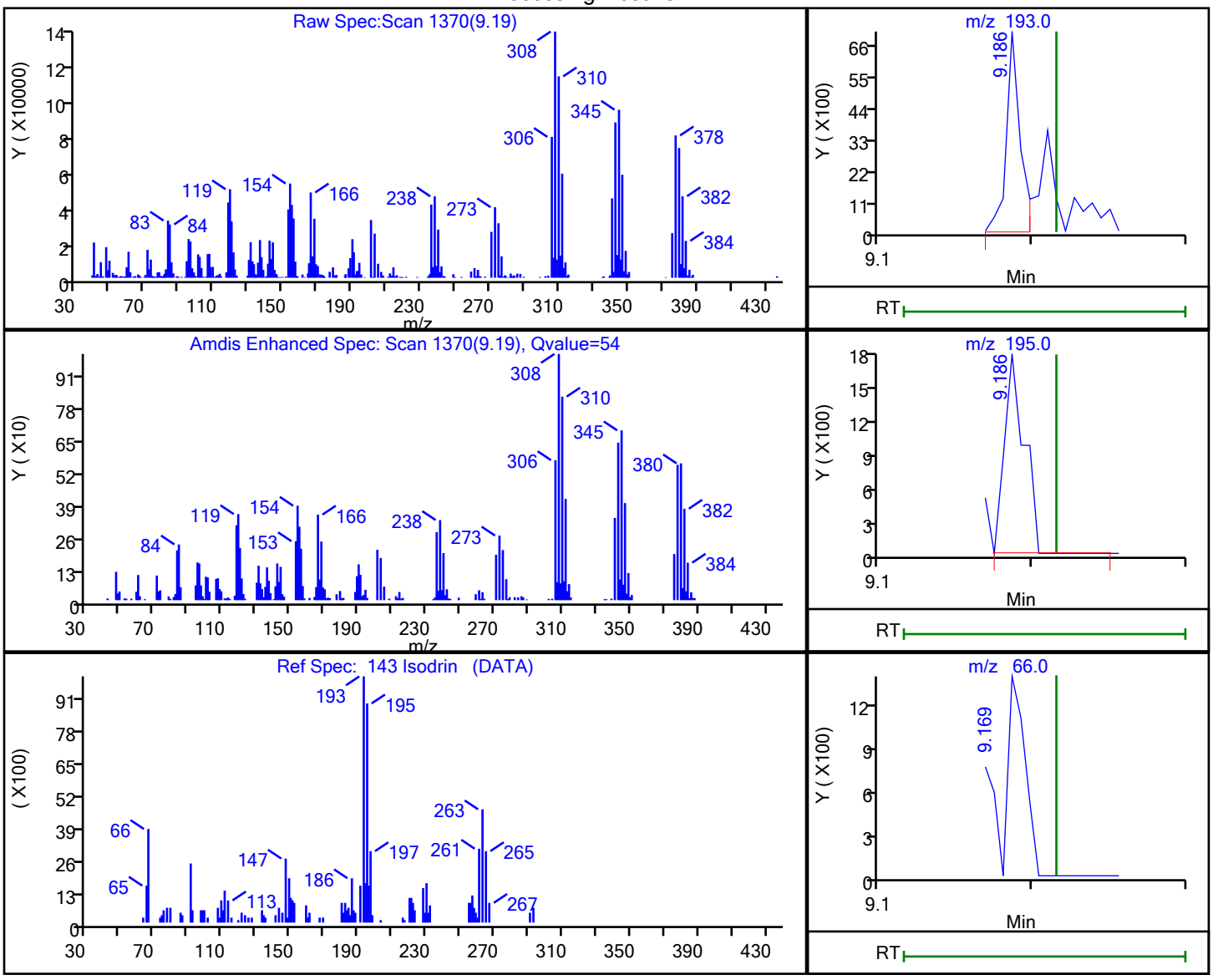
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0727.D				
Injection Date:	07-Aug-2025 17:17:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-4-B MSD				
Client ID:	16WC1AMSD				
Operator ID:	CJS101602	ALS Bottle#:	27	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

143 Isodrin, CAS: 465-73-6

Processing Results



RT	Mass	Response	Amount
9.19	193.00	4246	0.304882
9.19	195.00	1558	
9.17	66.00	1425	
9.19	263.00	3206	

Reviewer: RN6U, 07-Aug-2025 19:43:06 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

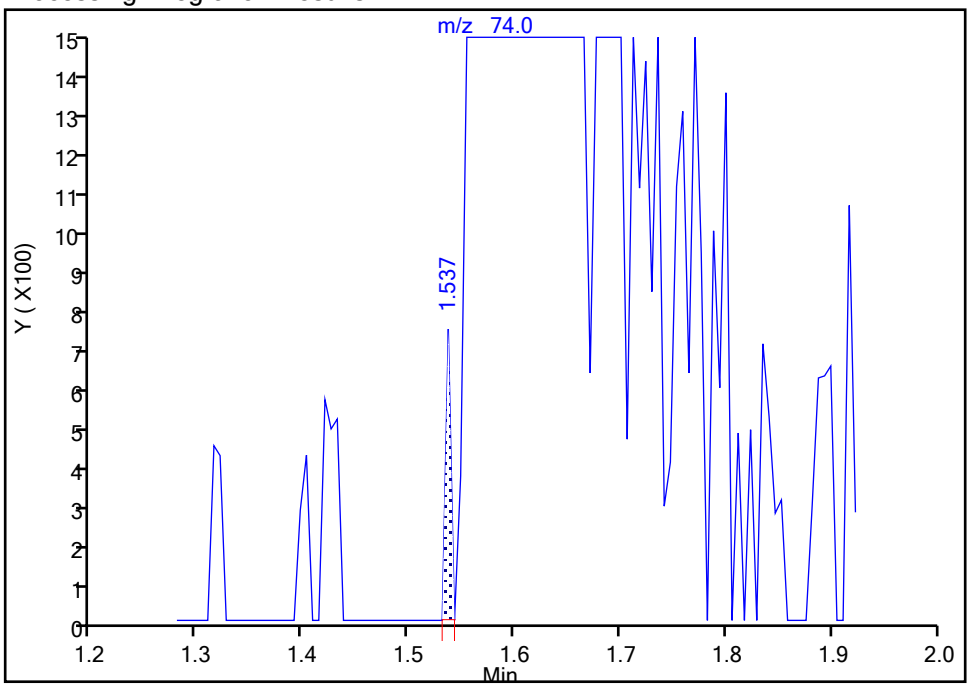
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0727.D				
Injection Date:	07-Aug-2025 17:17:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-4-B MSD				
Client ID:	16WC1AMSD				
Operator ID:	CJS101602	ALS Bottle#:	27	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

2 N-Nitrosodimethylamine, CAS: 62-75-9

Signal: 1

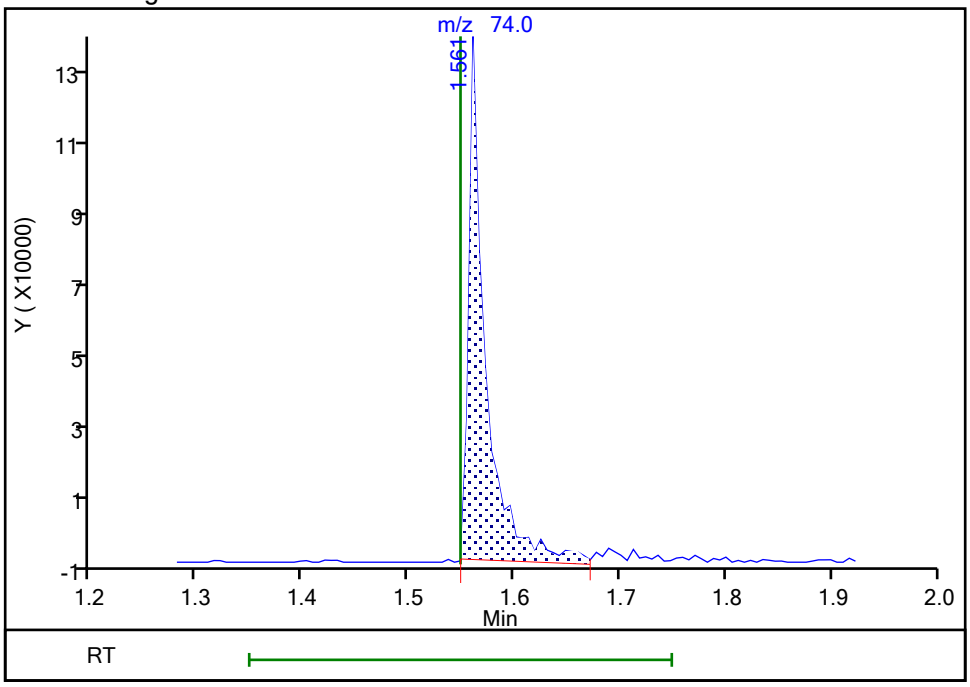
Processing Integration Results

RT: 1.54
Area: 248
Amount: 0.011559
Amount Units: ug/ml



Manual Integration Results

RT: 1.56
Area: 145634
Amount: 6.787583
Amount Units: ug/ml



Reviewer: RN6U, 07-Aug-2025 19:41:36 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

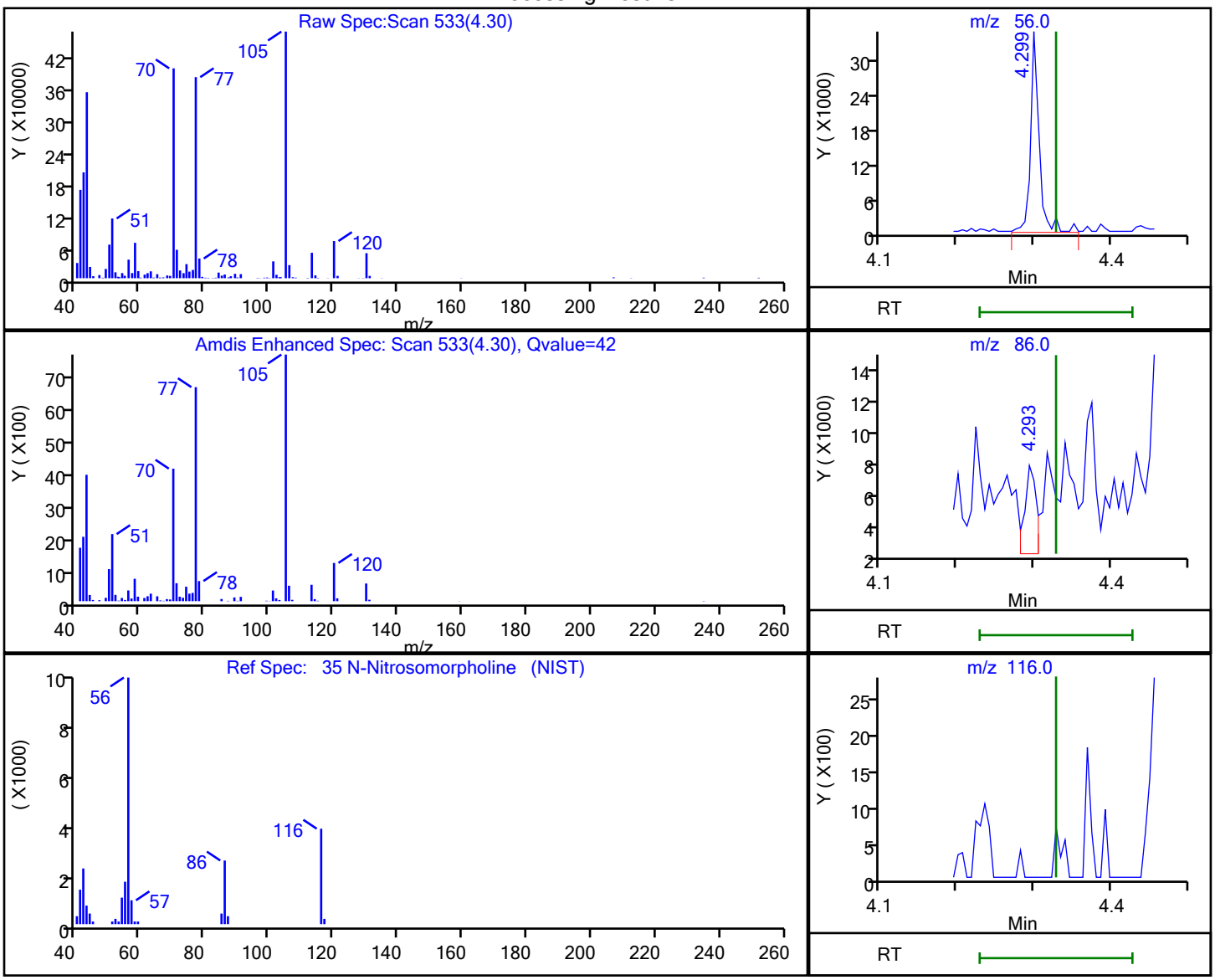
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0727.D				
Injection Date:	07-Aug-2025 17:17:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-4-B MSD				
Client ID:	16WC1AMSD				
Operator ID:	CJS101602	ALS Bottle#:	27	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

35 N-Nitrosomorpholine, CAS: 59-89-2

Processing Results



RT	Mass	Response	Amount
4.30	56.00	26615	1.097855
4.29	86.00	5005	
4.33	116.00	0	

Reviewer: RN6U, 07-Aug-2025 19:42:05 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

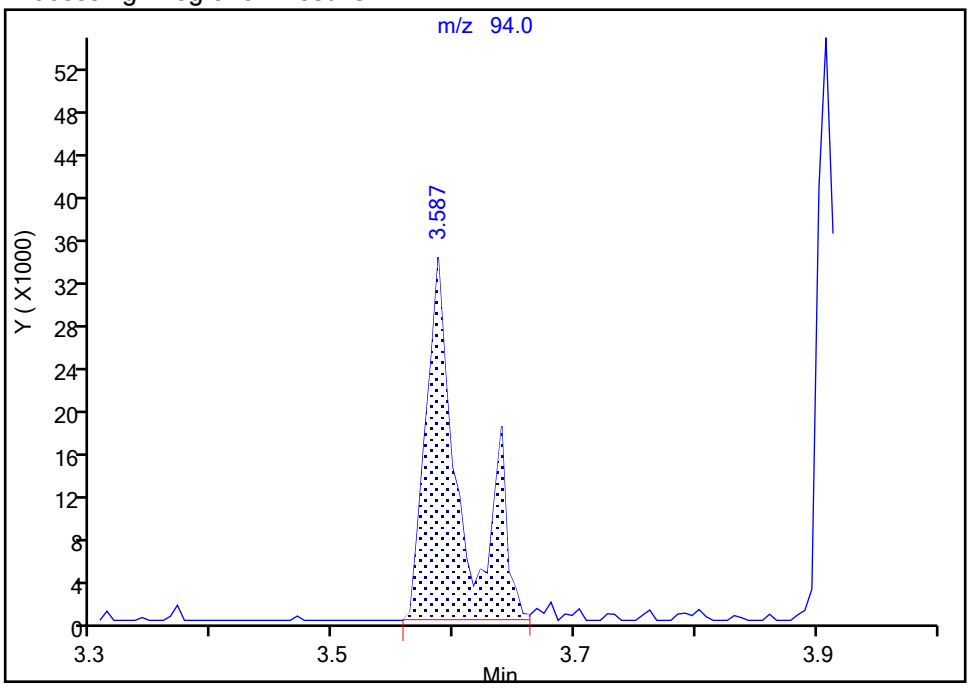
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250807-155808.b\HG0727.D				
Injection Date:	07-Aug-2025 17:17:30	Instrument ID:	HP23264		
Lims ID:	410-234898-J-4-B MSD				
Client ID:	16WC1AMSD				
Operator ID:	CJS101602	ALS Bottle#:	27	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

16 Phenol, CAS: 108-95-2

Signal: 1

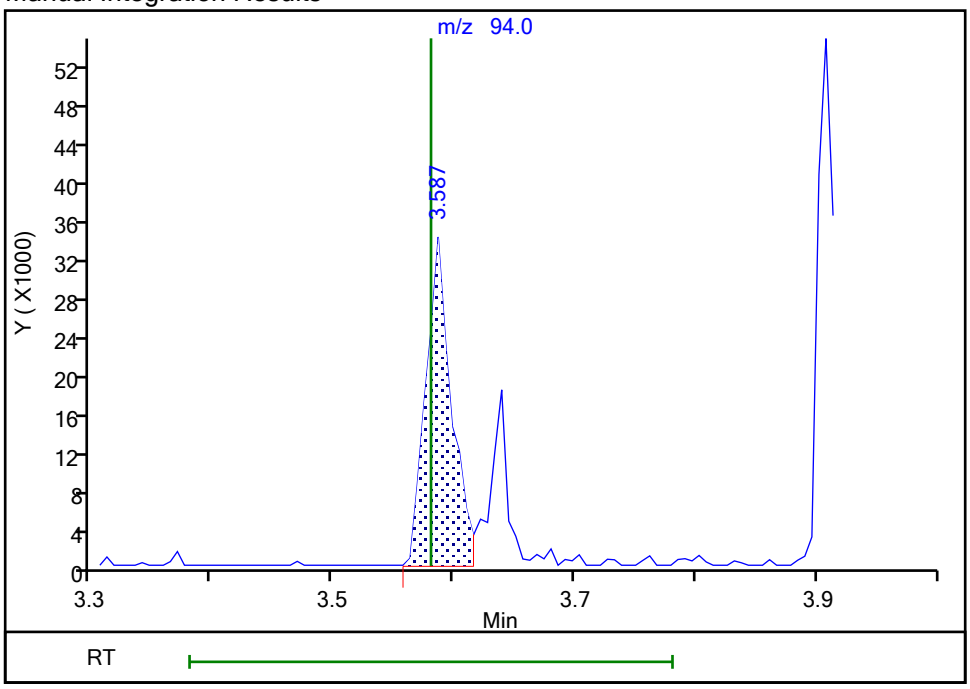
Processing Integration Results

RT: 3.59
Area: 66960
Amount: 1.481343
Amount Units: ug/ml



Manual Integration Results

RT: 3.59
Area: 49743
Amount: 1.100455
Amount Units: ug/ml



Reviewer: RN6U, 07-Aug-2025 19:41:55 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Start Date: 03/11/2025 19:17

Analysis Batch Number: 615736 End Date: 03/12/2025 03:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-615736/1		03/11/2025 19:17	1	JC1150a.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-615736/2		03/11/2025 20:00	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-615736/4		03/11/2025 21:15	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-615736/5		03/11/2025 21:37	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-615736/6		03/11/2025 21:59	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-615736/7		03/11/2025 22:21	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-615736/8		03/11/2025 22:43	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-615736/9		03/11/2025 23:05	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-615736/10		03/11/2025 23:27	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-615736/11		03/11/2025 23:49	1	JC1160.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 00:11	20		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 00:33	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 00:55	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 01:18	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 01:40	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 02:02	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 02:24	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 02:46	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 03:08	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 03:31	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 03:53	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Start Date: 04/14/2025 10:59

Analysis Batch Number: 630243 End Date: 04/14/2025 15:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-630243/1		04/14/2025 10:59	1	JD1400a.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-630243/2		04/14/2025 11:33	1	JD1401a.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-630243/3		04/14/2025 12:03	1	JD1403.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-630243/4		04/14/2025 12:24	1	JD1404.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-630243/5		04/14/2025 12:46	1	JD1405.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-630243/6		04/14/2025 13:07	1	JD1406.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-630243/7		04/14/2025 13:28	1	JD1407.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-630243/8		04/14/2025 13:50	1	JD1408.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-630243/9		04/14/2025 14:11	1	JD1409.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-630243/10		04/14/2025 14:32	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-630243/11		04/14/2025 14:54	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-630243/12		04/14/2025 15:15	1	JD1412.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-630243/13		04/14/2025 15:36	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Start Date: 05/07/2025 23:19

Analysis Batch Number: 641051 End Date: 05/08/2025 07:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-641051/1		05/07/2025 23:19	1	JE0750b.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-641051/2		05/07/2025 23:49	1	JE0751a.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/3		05/08/2025 00:10	1	JE0752.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/4		05/08/2025 00:31	1	JE0753.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/5		05/08/2025 00:53	1	JE0754.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/6		05/08/2025 01:14	1	JE0755.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/7		05/08/2025 01:36	1	JE0756.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/8		05/08/2025 01:57	1	JE0757.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/9		05/08/2025 02:18	1	JE0758.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-641051/10		05/08/2025 02:39	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-641051/11		05/08/2025 03:01	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-641051/12		05/08/2025 03:22	1	JE0761.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/15		05/08/2025 04:26	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/16		05/08/2025 04:48	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/17		05/08/2025 05:09	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/18		05/08/2025 05:30	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/19		05/08/2025 05:52	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/20		05/08/2025 06:13	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/21		05/08/2025 06:34	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-641051/22		05/08/2025 06:56	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-641051/23		05/08/2025 07:17	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Start Date: 06/03/2025 20:57

Analysis Batch Number: 652434 End Date: 06/04/2025 00:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-652434/1		06/03/2025 20:57	1	JF0350.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-652434/2		06/03/2025 21:13	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-652434/5		06/03/2025 22:26	1	JF0354.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-652434/6		06/03/2025 22:48	1	JF0355.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-652434/7		06/03/2025 23:09	1	JF0356.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-652434/8		06/03/2025 23:30	1	JF0357.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-652434/9		06/03/2025 23:52	1	JF0358.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-652434/10		06/04/2025 00:13	1	JF0359.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-652434/11		06/04/2025 00:35	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-652434/12		06/04/2025 00:56	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP19760 Start Date: 06/17/2025 08:48

Analysis Batch Number: 658667 End Date: 06/17/2025 20:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-658667/1		06/17/2025 08:48	1	DF1700a.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-658667/2		06/17/2025 09:19	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-658667/3		06/17/2025 10:07	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-658667/5		06/17/2025 10:49	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-658667/6		06/17/2025 11:09	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-658667/7		06/17/2025 11:30	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-658667/8		06/17/2025 11:51	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-658667/9		06/17/2025 12:12	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-658667/10		06/17/2025 12:32	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-658667/11		06/17/2025 12:53	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-658667/12		06/17/2025 13:14	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-658667/13		06/17/2025 13:35	1	DF1712.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		06/17/2025 14:43	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		06/17/2025 15:03	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		06/17/2025 15:24	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/17/2025 15:45	20		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/17/2025 16:06	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/17/2025 16:27	10		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/17/2025 16:48	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/17/2025 17:08	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/17/2025 17:29	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/17/2025 17:50	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/17/2025 18:11	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/17/2025 18:32	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/17/2025 18:53	20		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/17/2025 19:14	20		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/17/2025 19:35	20		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/17/2025 19:56	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/17/2025 20:23	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP19760 Start Date: 06/25/2025 23:15

Analysis Batch Number: 662998 End Date: 06/26/2025 07:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-662998/1		06/25/2025 23:15	1	DF2550.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-662998/2		06/25/2025 23:30	1	DF2551.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/3		06/25/2025 23:57	1	DF2552.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/4		06/26/2025 00:18	1	DF2553.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/5		06/26/2025 00:39	1	DF2554.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/6		06/26/2025 00:59	1	DF2555.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/7		06/26/2025 01:20	1	DF2556.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/8		06/26/2025 01:41	1	DF2557.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/9		06/26/2025 02:03	1	DF2558.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-662998/10		06/26/2025 02:24	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-662998/11		06/26/2025 02:53	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-662998/12		06/26/2025 03:14	1	DF2561.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-662998/14		06/26/2025 03:56	1	DF2563.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-662998/15		06/26/2025 04:17	1	DF2564.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/17		06/26/2025 04:59	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/18		06/26/2025 05:19	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/19		06/26/2025 05:40	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/20		06/26/2025 06:01	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/21		06/26/2025 06:22	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/22		06/26/2025 06:43	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/23		06/26/2025 07:04	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-662998/24		06/26/2025 07:24	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Start Date: 06/25/2025 22:42

Analysis Batch Number: 663002 End Date: 06/26/2025 04:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-663002/1		06/25/2025 22:42	1	JF2550a.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-663002/2		06/25/2025 23:02	1	JF2551.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-663002/3		06/25/2025 23:30	1	JF2552.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-663002/4		06/25/2025 23:52	1	JF2553.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-663002/5		06/26/2025 00:13	1	JF2554.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-663002/6		06/26/2025 00:34	1	JF2555.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-663002/7		06/26/2025 00:56	1	JF2556.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-663002/8		06/26/2025 01:17	1	JF2557.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-663002/9		06/26/2025 01:38	1	JF2558.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-663002/10		06/26/2025 02:00	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-663002/11		06/26/2025 02:21	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-663002/12		06/26/2025 02:43	1	JF2561.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-663002/14		06/26/2025 03:26	1	JF2563.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-663002/15		06/26/2025 03:47	1	JF2564.D	DB-5MS 30m 0.25 0.25(mm)
CCV 410-663002/17		06/26/2025 04:30	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP19760 Start Date: 06/27/2025 19:50

Analysis Batch Number: 664240 End Date: 06/28/2025 06:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-664240/1		06/27/2025 19:50	1	DF2750.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-664240/2		06/27/2025 20:09	1		DB-5MS 30m 0.25 0.25(mm)
CCV 410-664240/3		06/27/2025 20:39	1		DB-5MS 30m 0.25 0.25(mm)
CCV 410-664240/4		06/27/2025 21:00	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-664240/5		06/27/2025 21:21	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-664240/6		06/27/2025 21:41	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-664240/7		06/27/2025 22:02	1	DF2756.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-664240/8		06/27/2025 22:23	1	DF2757.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-664240/9		06/27/2025 22:43	1	DF2758.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-664240/10		06/27/2025 23:04	1	DF2759.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-664240/11		06/27/2025 23:25	1	DF2760.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-664240/12		06/27/2025 23:46	1	DF2761.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-664240/13		06/28/2025 00:06	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		06/28/2025 00:27	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		06/28/2025 00:48	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		06/28/2025 01:09	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		06/28/2025 01:29	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		06/28/2025 01:50	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/28/2025 04:15	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/28/2025 04:36	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/28/2025 04:57	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/28/2025 05:17	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/28/2025 05:38	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/28/2025 05:59	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		06/28/2025 06:19	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Start Date: 08/06/2025 07:05

Analysis Batch Number: 681375 End Date: 08/06/2025 18:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-681375/1		08/06/2025 07:05	1	HG0600.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-681375/2		08/06/2025 07:51	1	HG0601.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-681375/3		08/06/2025 08:24	1		DB-5MS 30m 0.25 0.25(mm)
CCV 410-681375/33		08/06/2025 09:05	1		DB-5MS 30m 0.25 0.25(mm)
CCV 410-681375/34		08/06/2025 09:25	1	HG0605.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/06/2025 10:06	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/06/2025 10:46	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/06/2025 11:07	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-681375/35		08/06/2025 11:27	1		DB-5MS 30m 0.25 0.25(mm)
MB 410-681120/1-A		08/06/2025 11:47	1	HG0611.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-681120/2-A		08/06/2025 12:08	1	HG0612.D	DB-5MS 30m 0.25 0.25(mm)
LCSD 410-681120/3-A		08/06/2025 12:28	1	HG0613.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-681120/4-A		08/06/2025 12:48	1	HG0614.D	DB-5MS 30m 0.25 0.25(mm)
LCSD 410-681120/5-A		08/06/2025 13:09	1	HG0615.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 13:29	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 13:49	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 14:10	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 14:30	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 14:50	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 15:11	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 16:52	5		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 17:12	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 17:32	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 17:53	1		DB-5MS 30m 0.25 0.25(mm)
410-234898-2	16MW8	08/06/2025 18:13	1	HG0630.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 18:34	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 18:54	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP23264 Start Date: 08/07/2025 07:48

Analysis Batch Number: 682061 End Date: 08/07/2025 17:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-682061/1		08/07/2025 07:48	1	HG0700.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-682061/2		08/07/2025 08:11	1	HG0701.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-682061/3		08/07/2025 08:48	1		DB-5MS 30m 0.25 0.25(mm)
CCV 410-682061/5		08/07/2025 09:09	1		DB-5MS 30m 0.25 0.25(mm)
CCV 410-682061/6		08/07/2025 09:29	1	HG0704.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-682061/7		08/07/2025 10:10	1		DB-5MS 30m 0.25 0.25(mm)
MB 410-681385/1-A		08/07/2025 10:30	1	HG0707.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-681385/2-A		08/07/2025 10:50	1	HG0708.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-681385/3-A		08/07/2025 11:11	1	HG0709.D	DB-5MS 30m 0.25 0.25(mm)
LCSD 410-681385/4-A		08/07/2025 11:31	1	HG0710.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/07/2025 11:52	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/07/2025 12:12	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/07/2025 12:32	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/07/2025 12:52	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/07/2025 13:13	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/07/2025 13:33	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/07/2025 13:53	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/07/2025 14:14	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/07/2025 14:34	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/07/2025 14:54	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/07/2025 15:15	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/07/2025 15:35	1		DB-5MS 30m 0.25 0.25(mm)
410-234898-1	16C1	08/07/2025 15:55	1	HG0723.D	DB-5MS 30m 0.25 0.25(mm)
410-234898-3	16MW9	08/07/2025 16:16	1	HG0724.D	DB-5MS 30m 0.25 0.25(mm)
410-234898-4	16WC1A	08/07/2025 16:36	1	HG0725.D	DB-5MS 30m 0.25 0.25(mm)
410-234898-4 MS	16WC1AMS MS	08/07/2025 16:56	1	HG0726.D	DB-5MS 30m 0.25 0.25(mm)
410-234898-4 MSD	16WC1AMSD MSD	08/07/2025 17:17	1	HG0727.D	DB-5MS 30m 0.25 0.25(mm)
410-234898-5	16WDUP	08/07/2025 17:37	1	HG0728.D	DB-5MS 30m 0.25 0.25(mm)

8270E

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP19760 Start Date: 08/07/2025 19:33

Analysis Batch Number: 682464 End Date: 08/08/2025 06:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-682464/1		08/07/2025 19:33	1	DH0750.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-682464/2		08/07/2025 19:54	1	DH0751.D	DB-5MS 30m 0.25 0.25(mm)
CCV 410-682464/5		08/07/2025 20:44	1	DH0752.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/07/2025 21:33	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/07/2025 21:54	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/07/2025 22:15	50		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/07/2025 22:36	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/07/2025 22:57	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/07/2025 23:17	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/07/2025 23:38	20		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/07/2025 23:59	5		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 00:20	10		DB-5MS 30m 0.25 0.25(mm)
410-234898-6	16WC1B	08/08/2025 01:23	1	DH0765.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 01:44	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 02:05	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 02:26	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/08/2025 02:47	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/08/2025 03:07	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 03:28	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/08/2025 03:49	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/08/2025 04:10	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 04:31	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 04:52	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 05:13	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 05:33	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 05:54	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 06:15	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 06:36	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: HP19760 Start Date: 08/11/2025 19:26

Analysis Batch Number: 683977 End Date: 08/12/2025 07:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-683977/1		08/11/2025 19:26	1	DH1150.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-683977/2		08/11/2025 19:50	1	DH1151.D	DB-5MS 30m 0.25 0.25(mm)
CCV 410-683977/38		08/11/2025 20:38	1	DH1152.D	DB-5MS 30m 0.25 0.25(mm)
CCV 410-683977/36		08/11/2025 20:59	1		DB-5MS 30m 0.25 0.25(mm)
MB 410-683371/1-A		08/11/2025 22:21	1	DH1155.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-683371/2-A		08/11/2025 22:42	1	DH1156.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-683371/3-A		08/11/2025 23:03	1	DH1157.D	DB-5MS 30m 0.25 0.25(mm)
LCSD 410-683371/4-A		08/11/2025 23:24	1	DH1158.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/12/2025 02:53	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/12/2025 03:14	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/12/2025 03:56	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/12/2025 04:17	10		DB-5MS 30m 0.25 0.25(mm)
410-234898-4 RE	16WC1A RE	08/12/2025 04:38	1	DH1173.D	DB-5MS 30m 0.25 0.25(mm)
410-234898-5 RE	16WDUP RE	08/12/2025 04:59	1	DH1174.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/12/2025 05:40	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/12/2025 06:01	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/12/2025 06:22	10		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/12/2025 06:43	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/12/2025 07:04	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 615736 Batch Start Date: 03/11/25 19:17 Batch Analyst: Skilton, Cassidy

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	MS_rvBACIDICV 00010	MSS_RVDFTPP 00016			
DFTPP 410-615736/1		8270E			1 mL		1 mL			
ICV 410-615736/11		8270E			1 mL	1 mL				

Batch Notes	
Pipette/Syringe/Dispenser ID	Scan Internal Syringe
Dilution Solution ID	MeCl2 64327
Vial Lot Number	24332545

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 630243 Batch Start Date: 04/14/25 10:59 Batch Analyst: Rhodes, Isabelle

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	MSS_RV8270_1 00042	MSS_RV8270_2 00043	MSS_RV8270_3 00041	MSS_RV8270_4 00040	MSS_RV8270_5 00051
DFTPP 410-630243/1		8270E			1 mL					
ICIS 410-630243/2		8270E			1 mL					
IC 410-630243/3		8270E			1 mL					
IC 410-630243/4		8270E			1 mL					
IC 410-630243/5		8270E			1 mL					1 mL
IC 410-630243/6		8270E			1 mL				1 mL	
IC 410-630243/7		8270E			1 mL			1 mL		
IC 410-630243/8		8270E			1 mL		1 mL			
IC 410-630243/9		8270E			1 mL	1 mL				
ICV 410-630243/12		8270E			1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RV8270_6 00064	MSS_RV8270_7 00043	MSS_RV8270_8 00042	MSS_RV8270ICV 00036	MSS_RVDFTPP 00018	
DFTPP 410-630243/1		8270E							1 mL	
ICIS 410-630243/2		8270E			1 mL					
IC 410-630243/3		8270E					1 mL			
IC 410-630243/4		8270E				1 mL				
IC 410-630243/5		8270E								
IC 410-630243/6		8270E								
IC 410-630243/7		8270E								
IC 410-630243/8		8270E								
IC 410-630243/9		8270E								
ICV 410-630243/12		8270E						1 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 630243 Batch Start Date: 04/14/25 10:59 Batch Analyst: Rhodes, Isabelle

Batch Method: 8270E Batch End Date:

Batch Notes	
Pipette/Syringe/Dispenser ID	Scan internal syringe
Dilution Solution ID	MeCl2 65010
Vial Lot Number	25005835

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 641051 Batch Start Date: 05/07/25 23:19 Batch Analyst: Skilton, Cassidy

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	MSS_RV8270_1 00042	MSS_RV8270_2 00043	MSS_RV8270_3 00041	MSS_RV8270_4 00040	MSS_RV8270_5 00053
DFTPP 410-641051/1		8270E			1 mL					
ICIS 410-641051/2		8270E			1 mL					
IC 410-641051/3		8270E			1 mL					
IC 410-641051/4		8270E			1 mL					
IC 410-641051/5		8270E			1 mL					1 mL
IC 410-641051/6		8270E			1 mL				1 mL	
IC 410-641051/7		8270E			1 mL			1 mL		
IC 410-641051/8		8270E			1 mL		1 mL			
IC 410-641051/9		8270E			1 mL	1 mL				
ICV 410-641051/12		8270E			1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RV8270_6 00065	MSS_RV8270_7 00043	MSS_RV8270_8 00042	MSS_RV8270ICV 00037	MSS_RVDFTPP 00018	
DFTPP 410-641051/1		8270E							1 mL	
ICIS 410-641051/2		8270E			1 mL					
IC 410-641051/3		8270E					1 mL			
IC 410-641051/4		8270E				1 mL				
IC 410-641051/5		8270E								
IC 410-641051/6		8270E								
IC 410-641051/7		8270E								
IC 410-641051/8		8270E								
IC 410-641051/9		8270E								
ICV 410-641051/12		8270E						1 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 641051 Batch Start Date: 05/07/25 23:19 Batch Analyst: Skilton, Cassidy

Batch Method: 8270E Batch End Date:

Batch Notes	
Pipette/Syringe/Dispenser ID	Scan Internal Syringe
Dilution Solution ID	MeCl2 65024
Vial Lot Number	430917

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 652434 Batch Start Date: 06/03/25 20:57 Batch Analyst: Lutte, Kate E

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	MSS_RVABC_3 00017	MSS_RVABC_4 00014	MSS_RVABC_5 00014	MSS_RVABC_6 00023	MSS_RVABC_7 00015
DFTPP 410-652434/1		8270E			1 mL					
IC 410-652434/5		8270E			1 mL					
IC 410-652434/6		8270E			1 mL					1 mL
IC 410-652434/7		8270E			1 mL				1 mL	
IC 410-652434/8		8270E			1 mL			1 mL		
IC 410-652434/9		8270E			1 mL		1 mL			
IC 410-652434/10		8270E			1 mL	1 mL				

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RVABC_8 00016	MSS_RVDFTPP 00018				
DFTPP 410-652434/1		8270E				1 mL				
IC 410-652434/5		8270E			1 mL					
IC 410-652434/6		8270E								
IC 410-652434/7		8270E								
IC 410-652434/8		8270E								
IC 410-652434/9		8270E								
IC 410-652434/10		8270E								

Batch Notes	
Pipette/Syringe/Dispenser ID	Scan internal syringe
Dilution Solution ID	MeCl2: 65059
Vial Lot Number	25110335

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 658667 Batch Start Date: 06/17/25 08:48 Batch Analyst: Skilton, Cassidy

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	MS_rvAMINEICV 00002	MSS_RVDFTPP 00017			
DFTPP 410-658667/1		8270E			1 mL		1 mL			
ICV 410-658667/13		8270E			1 mL	1 mL				

Batch Notes	
Pipette/Syringe/Dispenser ID	Scan internal Syringe
Dilution Solution ID	MeCl2 65052
Vial Lot Number	25110335

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 662998 Batch Start Date: 06/25/25 23:15 Batch Analyst: Skilton, Cassidy

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	MSS_RV8270_1 00043	MSS_RV8270_2 00044	MSS_RV8270_3 00042	MSS_RV8270_4 00041	MSS_RV8270_5 00054
DFTPP 410-662998/1		8270E			1 mL					
ICIS 410-662998/2		8270E			1 mL					
IC 410-662998/3		8270E			1 mL					
IC 410-662998/4		8270E			1 mL					
IC 410-662998/5		8270E			1 mL					1 mL
IC 410-662998/6		8270E			1 mL				1 mL	
IC 410-662998/7		8270E			1 mL			1 mL		
IC 410-662998/8		8270E			1 mL		1 mL			
IC 410-662998/9		8270E			1 mL	1 mL				
ICV 410-662998/12		8270E			1 mL					
ICV 410-662998/14		8270E			1 mL					
ICV 410-662998/15		8270E			1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RV8270_6 00068	MSS_RV8270_7 00045	MSS_RV8270_8 00044	MSS_RV8270ICV 00037	MSS_RVDFTPP 00018	MSS_RVHCPICV 00011
DFTPP 410-662998/1		8270E							1 mL	
ICIS 410-662998/2		8270E			1 mL					
IC 410-662998/3		8270E					1 mL			
IC 410-662998/4		8270E				1 mL				
IC 410-662998/5		8270E								
IC 410-662998/6		8270E								
IC 410-662998/7		8270E								
IC 410-662998/8		8270E								
IC 410-662998/9		8270E								
ICV 410-662998/12		8270E						1 mL		
ICV 410-662998/14		8270E								1 mL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 662998 Batch Start Date: 06/25/25 23:15 Batch Analyst: Skilton, Cassidy

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RV8270_6 00068	MSS_RV8270_7 00045	MSS_RV8270_8 00044	MSS_RV8270ICV 00037	MSS_RVDFTPP 00018	MSS_RVHCPICV 00011
ICV 410-662998/15		8270E								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RVPDAICV 00007					
DFTPP 410-662998/1		8270E								
ICIS 410-662998/2		8270E								
IC 410-662998/3		8270E								
IC 410-662998/4		8270E								
IC 410-662998/5		8270E								
IC 410-662998/6		8270E								
IC 410-662998/7		8270E								
IC 410-662998/8		8270E								
IC 410-662998/9		8270E								
ICV 410-662998/12		8270E								
ICV 410-662998/14		8270E								
ICV 410-662998/15		8270E			1 mL					

Batch Notes	
Pipette/Syringe/Dispenser ID	Scan Internal Syringe
Dilution Solution ID	MeCl2 65052
Vial Lot Number	25110335

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 663002 Batch Start Date: 06/25/25 22:42 Batch Analyst: Skilton, Cassidy

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	MSS_RV8270_1 00043	MSS_RV8270_2 00044	MSS_RV8270_3 00042	MSS_RV8270_4 00041	MSS_RV8270_5 00054
DFTPP 410-663002/1		8270E			1 mL					
ICIS 410-663002/2		8270E			1 mL					
IC 410-663002/3		8270E			1 mL					
IC 410-663002/4		8270E			1 mL					
IC 410-663002/5		8270E			1 mL					1 mL
IC 410-663002/6		8270E			1 mL				1 mL	
IC 410-663002/7		8270E			1 mL			1 mL		
IC 410-663002/8		8270E			1 mL		1 mL			
IC 410-663002/9		8270E			1 mL	1 mL				
ICV 410-663002/12		8270E			1 mL					
ICV 410-663002/14		8270E			1 mL					
ICV 410-663002/15		8270E			1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RV8270_6 00068	MSS_RV8270_7 00045	MSS_RV8270_8 00044	MSS_RV8270ICV 00037	MSS_RVDFTPP 00018	MSS_RVHCPICV 00011
DFTPP 410-663002/1		8270E							1 mL	
ICIS 410-663002/2		8270E			1 mL					
IC 410-663002/3		8270E					1 mL			
IC 410-663002/4		8270E				1 mL				
IC 410-663002/5		8270E								
IC 410-663002/6		8270E								
IC 410-663002/7		8270E								
IC 410-663002/8		8270E								
IC 410-663002/9		8270E								
ICV 410-663002/12		8270E						1 mL		
ICV 410-663002/14		8270E								1 mL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 663002 Batch Start Date: 06/25/25 22:42 Batch Analyst: Skilton, Cassidy

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RV8270_6 00068	MSS_RV8270_7 00045	MSS_RV8270_8 00044	MSS_RV8270ICV 00037	MSS_RVDFTPP 00018	MSS_RVHCPICV 00011
ICV 410-663002/15		8270E								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RVPDAICV 00007					
DFTPP 410-663002/1		8270E								
ICIS 410-663002/2		8270E								
IC 410-663002/3		8270E								
IC 410-663002/4		8270E								
IC 410-663002/5		8270E								
IC 410-663002/6		8270E								
IC 410-663002/7		8270E								
IC 410-663002/8		8270E								
IC 410-663002/9		8270E								
ICV 410-663002/12		8270E								
ICV 410-663002/14		8270E								
ICV 410-663002/15		8270E			1 mL					

Batch Notes	
Pipette/Syringe/Dispenser ID	Scan Internal Syringe
Dilution Solution ID	MeCl2 65052
Vial Lot Number	25110335

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 664240 Batch Start Date: 06/27/25 19:50 Batch Analyst: Lutte, Kate E

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	MSS_RVABC_3 00017	MSS_RVABC_4 00014	MSS_RVABC_5 00014	MSS_RVABC_6 00023	MSS_RVABC_7 00015
DFTPP 410-664240/1		8270E			1 mL					
IC 410-664240/7		8270E			1 mL					
IC 410-664240/8		8270E			1 mL					1 mL
IC 410-664240/9		8270E			1 mL				1 mL	
IC 410-664240/10		8270E			1 mL			1 mL		
IC 410-664240/11		8270E			1 mL		1 mL			
IC 410-664240/12		8270E			1 mL	1 mL				

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RVABC_8 00016	MSS_RVDFTPP 00018				
DFTPP 410-664240/1		8270E				1 mL				
IC 410-664240/7		8270E			1 mL					
IC 410-664240/8		8270E								
IC 410-664240/9		8270E								
IC 410-664240/10		8270E								
IC 410-664240/11		8270E								
IC 410-664240/12		8270E								

Batch Notes	
Pipette/Syringe/Dispenser ID	Scan internal syringe
Dilution Solution ID	MeCl2: 65052
Vial Lot Number	25110335

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 681120 Batch Start Date: 08/05/25 16:09 Batch Analyst: McArdle, Meghan

Batch Method: 3510C Batch End Date: 08/05/25 19:47

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 410-681120/1		3510C, 8270E					250 mL	1 mL	n/a SU	11 SU
LCS 410-681120/2		3510C, 8270E					250 mL	1 mL	n/a SU	11 SU
LCSD 410-681120/3		3510C, 8270E					250 mL	1 mL	n/a SU	11 SU
LCS 410-681120/4		3510C, 8270E					250 mL	1 mL	n/a SU	11 SU
LCSD 410-681120/5		3510C, 8270E					250 mL	1 mL	n/a SU	11 SU
410-234898-J-2	16MW8	3510C, 8270E	Water	T	413.29 g	164.30 g	249 mL	1 mL	n/a SU	11 SU

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SecondAdjustpH	OP_MINAPP1_MS 00174	OP_MINIBNA_SS 00161	OP_MINLCS1_MS 00280	AnalysisComment	
MB 410-681120/1		3510C, 8270E			2 SU		1 mL		tap water	
LCS 410-681120/2		3510C, 8270E			2 SU		1 mL	1 mL	tap water	
LCSD 410-681120/3		3510C, 8270E			2 SU		1 mL	1 mL	tap water	
LCS 410-681120/4		3510C, 8270E			2 SU	1 mL	1 mL		tap water	
LCSD 410-681120/5		3510C, 8270E			2 SU	1 mL	1 mL		tap water	
410-234898-J-2	16MW8	3510C, 8270E	Water	T	2 SU		1 mL		clear	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 681120 Batch Start Date: 08/05/25 16:09 Batch Analyst: McArdle, Meghan

Batch Method: 3510C Batch End Date: 08/05/25 19:47

Batch Notes	
Was daily balance calibration done?	Yes
Balance ID	93158
Balance is Level? (Y/N)	yes
Pipette/Syringe/Dispenser ID	4
Analyst ID - Extraction	DBH82588 MM98986 SG115470
Analyst ID - Spike Analyst	MM98986
Acid Used for pH Adjustment ID	H2SO4: 243956
Base Used to Adjust pH ID	NaOH: 4404N64
Prep Solvent ID	MeCl2: 65122
Prep Solvent Volume Used	90 mL
Na2SO4 ID	25216A
Analyst ID - Concentration	DBH82588 MM98986 SG115470
Equipment ID - Concentration 1	Buchi
Concentration 1 Corrected Temperature	55 Degrees C
Vial Lot Number	25110628
Pipette Tip Lot ID	N218544R

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 681385 Batch Start Date: 08/06/25 07:35 Batch Analyst: Stewart, Hannah

Batch Method: 3510C Batch End Date: 08/06/25 14:19

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH
MB 410-681385/1		3510C, 8270E					250 mL	1 mL	>11 SU	<2 SU
LCS 410-681385/2		3510C, 8270E					250 mL	1 mL	>11 SU	<2 SU
LCS 410-681385/3		3510C, 8270E					250 mL	1 mL	>11 SU	<2 SU
LCSD 410-681385/4		3510C, 8270E					250 mL	1 mL	>11 SU	<2 SU
410-234898-J-4 MS	16WC1AMS	3510C, 8270E	Water	T	413.45 g	163.69 g	249.8 mL	1 mL	>11 SU	<2 SU
410-234898-J-4 MSD	16WC1AMSD	3510C, 8270E	Water	T	412.15 g	162.91 g	249.2 mL	1 mL	>11 SU	<2 SU
410-234898-J-4	16WC1A	3510C, 8270E	Water	T	413.72 g	165.20 g	248.5 mL	1 mL	>11 SU	<2 SU
410-234898-L-1	16C1	3510C, 8270E	Water	T	413.02 g	163.29 g	249.7 mL	1 mL	>11 SU	<2 SU
410-234898-L-3	16MW9	3510C, 8270E	Water	T	413.11 g	163.77 g	249.3 mL	1 mL	>11 SU	<2 SU
410-234898-J-5	16WDUP	3510C, 8270E	Water	T	399.70 g	162.94 g	236.8 mL	1 mL	>11 SU	<2 SU
410-234898-J-6	16WC1B	3510C, 8270E	Water	T	414.13 g	165.03 g	249.1 mL	1 mL	>11 SU	<2 SU

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	CUPerformed	OP_APPIX2_MS 00038	OP_MINAPP1_MS 00175	OP_MINIBNA_SS 00161	OP_MINLCS1_MS 00280	OP_MINLCS2_MS 00168
MB 410-681385/1		3510C, 8270E			N			1 mL		
LCS 410-681385/2		3510C, 8270E			N			1 mL	1 mL	1 mL
LCS 410-681385/3		3510C, 8270E			N	0.25 mL	1 mL	1 mL		
LCSD 410-681385/4		3510C, 8270E			N	0.25 mL	1 mL	1 mL		
410-234898-J-4 MS	16WC1AMS	3510C, 8270E	Water	T	N			1 mL	1 mL	1 mL
410-234898-J-4 MSD	16WC1AMSD	3510C, 8270E	Water	T	N			1 mL	1 mL	1 mL
410-234898-J-4	16WC1A	3510C, 8270E	Water	T	N			1 mL		
410-234898-L-1	16C1	3510C, 8270E	Water	T	N			1 mL		
410-234898-L-3	16MW9	3510C, 8270E	Water	T	N			1 mL		
410-234898-J-5	16WDUP	3510C, 8270E	Water	T	N			1 mL		
410-234898-J-6	16WC1B	3510C, 8270E	Water	T	N			1 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 681385 Batch Start Date: 08/06/25 07:35 Batch Analyst: Stewart, Hannah

Batch Method: 3510C Batch End Date: 08/06/25 14:19

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	AnalysisComment					
MB 410-681385/1		3510C, 8270E			Tap H2O					
LCS 410-681385/2		3510C, 8270E			Tap H2O					
LCS 410-681385/3		3510C, 8270E			Tap H2O					
LCSD 410-681385/4		3510C, 8270E			Tap H2O					
410-234898-J-4 MS	16WC1AMS	3510C, 8270E	Water	T	pale yellow tint					
410-234898-J-4 MSD	16WC1AMSD	3510C, 8270E	Water	T	pale yellow tint					
410-234898-J-4	16WC1A	3510C, 8270E	Water	T	pale yellow tint					
410-234898-L-1	16C1	3510C, 8270E	Water	T	clear					
410-234898-L-3	16MW9	3510C, 8270E	Water	T	clear, orange, sediment					
410-234898-J-5	16WDUP	3510C, 8270E	Water	T	pale orange tint					
410-234898-J-6	16WC1B	3510C, 8270E	Water	T	clear					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 681385 Batch Start Date: 08/06/25 07:35 Batch Analyst: Stewart, Hannah

Batch Method: 3510C Batch End Date: 08/06/25 14:19

Batch Notes	
Was daily balance calibration done?	Yes
Balance ID	93158
Balance is Level? (Y/N)	yes
Pipette/Syringe/Dispenser ID	6
Analyst ID - Extraction	HAS95678, PDH91662
Analyst ID - Spike Analyst	HAS95678, PDH91662
Acid Used for pH Adjustment ID	H2SO4 243956
Base Used to Adjust pH ID	NaOH 4404N64
Prep Solvent ID	MeCl2 65122
Prep Solvent Volume Used	90 mL
Na2SO4 ID	25216A
Analyst ID - Concentration	HAS95678, PDH91662
Equipment ID - Concentration 1	Buchi
Concentration 1 Corrected Temperature	55 Degrees C
Vial Lot Number	25110628
Pipette Tip Lot ID	N218544R

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 683371 Batch Start Date: 08/10/25 16:20 Batch Analyst: Battle-Hilacion, Destiny

Batch Method: 3510C Batch End Date: 08/10/25 20:14

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 410-683371/1		3510C, 8270E					250 mL	1 mL	n/a SU	11 SU
LCS 410-683371/2		3510C, 8270E					250 mL	1 mL	n/a SU	11 SU
LCS 410-683371/3		3510C, 8270E					250 mL	1 mL	n/a SU	11 SU
LCSD 410-683371/4		3510C, 8270E					250 mL	1 mL	n/a SU	11 SU
410-234898-I-4	16WC1A	3510C, 8270E	Water	T	411.70 g	163.09 g	248.6 mL	1 mL	n/a SU	11 SU
410-234898-I-5	16WDUP	3510C, 8270E	Water	T	412.44 g	163.63 g	248.8 mL	1 mL	n/a SU	11 SU

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SecondAdjustpH	OP_AMINE_MS 00015	OP_MINAPP1_MS 00175	OP_MINIBNA_SS 00161	OP_MINLCS1_MS 00281	OP_MINLCS2_MS 00168
MB 410-683371/1		3510C, 8270E			2 SU			1 mL		
LCS 410-683371/2		3510C, 8270E			2 SU			1 mL	1 mL	1 mL
LCS 410-683371/3		3510C, 8270E			2 SU	0.25 mL	1 mL	1 mL		
LCSD 410-683371/4		3510C, 8270E			2 SU	0.25 mL	1 mL	1 mL		
410-234898-I-4	16WC1A	3510C, 8270E	Water	T	2 SU			1 mL		
410-234898-I-5	16WDUP	3510C, 8270E	Water	T	2 SU			1 mL		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	AnalysisComment					
MB 410-683371/1		3510C, 8270E			tap water					
LCS 410-683371/2		3510C, 8270E			tap water					
LCS 410-683371/3		3510C, 8270E			tap water					
LCSD 410-683371/4		3510C, 8270E			tap water					
410-234898-I-4	16WC1A	3510C, 8270E	Water	T	yellow tint					
410-234898-I-5	16WDUP	3510C, 8270E	Water	T	yellow tint					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 683371 Batch Start Date: 08/10/25 16:20 Batch Analyst: Battle-Hilacion, Destiny

Batch Method: 3510C Batch End Date: 08/10/25 20:14

Batch Notes	
Was daily balance calibration done?	Yes
Balance ID	93158
Balance is Level? (Y/N)	yes
Pipette/Syringe/Dispenser ID	6
Analyst ID - Extraction	DBH82588
Analyst ID - Spike Analyst	DBH82588
Acid Used for pH Adjustment ID	H2SO4: 243956
Base Used to Adjust pH ID	NaOH: 4404N64
Prep Solvent ID	MeCl2: 65122
Prep Solvent Volume Used	90 mL
Na2SO4 ID	25219A
Analyst ID - Concentration	DBH82588
Equipment ID - Concentration 1	Buchi
Concentration 1 Corrected Temperature	55 Degrees C
Vial Lot Number	25110628
Pipette Tip Lot ID	N215544R

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-234898-1

SDG No.:

Project: RFAAP, Radford HWMU16

Client Sample ID	Lab Sample ID
16C1	410-234898-1
16MW8	410-234898-2
16MW9	410-234898-3
16WC1A	410-234898-4
16WDUP	410-234898-5
16WC1B	410-234898-6

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 16C1 | Lab Sample ID: 410-234898-1

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-234898-1

SDG ID.:

Matrix: Water | Date Sampled: 07/30/2025 14:20

Reporting Basis: WET | Date Received: 07/31/2025 09:20

Preparation Batch Number: 682634 | Instrument ID: M10 - 31820

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	ND	2.00	0.200	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: 16C1
Lab Sample ID: 410-234898-1
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1
SDG ID.:
Matrix: Water
Date Sampled: 07/30/2025 14:20
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 681233
Instrument ID: E10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	2.00	0.600	ug/L			1	6020B
7440-38-2	Arsenic	ND	10.0	2.00	ug/L			1	6020B
7440-39-3	Barium	189	10.0	1.30	ug/L			1	6020B
7440-41-7	Beryllium	ND	1.00	0.300	ug/L			1	6020B
7440-43-9	Cadmium	ND	1.00	0.200	ug/L			1	6020B
7440-47-3	Chromium	ND	5.00	1.00	ug/L			1	6020B
7440-48-4	Cobalt	ND	5.00	1.00	ug/L			1	6020B
7440-50-8	Copper	ND	5.00	1.70	ug/L			1	6020B
7439-92-1	Lead	ND	3.00	1.00	ug/L			1	6020B
7440-02-0	Nickel	3.64	10.0	2.00	ug/L	J		1	6020B
7782-49-2	Selenium	ND	10.0	3.00	ug/L			1	6020B
7440-22-4	Silver	ND	2.00	0.300	ug/L			1	6020B
7440-28-0	Thallium	ND	1.00	0.200	ug/L			1	6020B
7440-66-6	Zinc	ND	30.0	7.30	ug/L			1	6020B
7440-62-2	Vanadium	ND	10.0	2.50	ug/L			1	6020B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 16MW8
Lab Sample ID: 410-234898-2
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1
SDG ID.:
Matrix: Water
Date Sampled: 07/29/2025 11:20
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 682634
Instrument ID: M10 - 31820

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	ND	2.00	0.200	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: 16MW8 | Lab Sample ID: 410-234898-2

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-234898-1

SDG ID.:

Matrix: Water | Date Sampled: 07/29/2025 11:20

Reporting Basis: WET | Date Received: 07/31/2025 09:20

Preparation Batch Number: 681233 | Instrument ID: E10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	2.00	0.600	ug/L			1	6020B
7440-38-2	Arsenic	ND	10.0	2.00	ug/L			1	6020B
7440-39-3	Barium	126	10.0	1.30	ug/L			1	6020B
7440-41-7	Beryllium	ND	1.00	0.300	ug/L			1	6020B
7440-43-9	Cadmium	0.378	1.00	0.200	ug/L	J		1	6020B
7440-47-3	Chromium	ND	5.00	1.00	ug/L			1	6020B
7440-48-4	Cobalt	ND	5.00	1.00	ug/L			1	6020B
7440-50-8	Copper	15.9	5.00	1.70	ug/L			1	6020B
7439-92-1	Lead	ND	3.00	1.00	ug/L			1	6020B
7440-02-0	Nickel	2.85	10.0	2.00	ug/L	J		1	6020B
7782-49-2	Selenium	ND	10.0	3.00	ug/L			1	6020B
7440-22-4	Silver	ND	2.00	0.300	ug/L			1	6020B
7440-28-0	Thallium	ND	1.00	0.200	ug/L			1	6020B
7440-66-6	Zinc	32.1	30.0	7.30	ug/L			1	6020B
7440-62-2	Vanadium	ND	10.0	2.50	ug/L			1	6020B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 16MW9
Lab Sample ID: 410-234898-3
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1
SDG ID.:
Matrix: Water
Date Sampled: 07/30/2025 13:15
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 682634
Instrument ID: M10 - 31820

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	ND	2.00	0.200	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: 16MW9 | Lab Sample ID: 410-234898-3

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-234898-1

SDG ID.:

Matrix: Water | Date Sampled: 07/30/2025 13:15

Reporting Basis: WET | Date Received: 07/31/2025 09:20

Preparation Batch Number: 681233 | Instrument ID: E10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	2.00	0.600	ug/L			1	6020B
7440-38-2	Arsenic	2.46	10.0	2.00	ug/L	J		1	6020B
7440-39-3	Barium	587	10.0	1.30	ug/L			1	6020B
7440-41-7	Beryllium	ND	1.00	0.300	ug/L			1	6020B
7440-43-9	Cadmium	ND	1.00	0.200	ug/L			1	6020B
7440-47-3	Chromium	ND	5.00	1.00	ug/L			1	6020B
7440-48-4	Cobalt	4.55	5.00	1.00	ug/L	J		1	6020B
7440-50-8	Copper	ND	5.00	1.70	ug/L			1	6020B
7439-92-1	Lead	ND	3.00	1.00	ug/L			1	6020B
7440-02-0	Nickel	11.5	10.0	2.00	ug/L			1	6020B
7782-49-2	Selenium	ND	10.0	3.00	ug/L			1	6020B
7440-22-4	Silver	ND	2.00	0.300	ug/L			1	6020B
7440-28-0	Thallium	ND	1.00	0.200	ug/L			1	6020B
7440-66-6	Zinc	ND	30.0	7.30	ug/L			1	6020B
7440-62-2	Vanadium	ND	10.0	2.50	ug/L			1	6020B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 16WC1A
Lab Sample ID: 410-234898-4
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1
SDG ID.:
Matrix: Water
Date Sampled: 07/30/2025 11:05
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 682634
Instrument ID: M10 - 31820

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	ND	2.00	0.200	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: 16WC1A
Lab Sample ID: 410-234898-4
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1
SDG ID.:
Matrix: Water
Date Sampled: 07/30/2025 11:05
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 681233
Instrument ID: E10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	2.00	0.600	ug/L			1	6020B
7440-38-2	Arsenic	4.80	10.0	2.00	ug/L	J		1	6020B
7440-39-3	Barium	366	10.0	1.30	ug/L			1	6020B
7440-41-7	Beryllium	ND	1.00	0.300	ug/L			1	6020B
7440-43-9	Cadmium	ND	1.00	0.200	ug/L			1	6020B
7440-47-3	Chromium	ND	5.00	1.00	ug/L			1	6020B
7440-48-4	Cobalt	11.0	5.00	1.00	ug/L			1	6020B
7440-50-8	Copper	ND	5.00	1.70	ug/L			1	6020B
7439-92-1	Lead	ND	3.00	1.00	ug/L			1	6020B
7440-02-0	Nickel	10.0	10.0	2.00	ug/L			1	6020B
7782-49-2	Selenium	ND	10.0	3.00	ug/L			1	6020B
7440-22-4	Silver	ND	2.00	0.300	ug/L			1	6020B
7440-28-0	Thallium	ND	1.00	0.200	ug/L			1	6020B
7440-66-6	Zinc	ND	30.0	7.30	ug/L			1	6020B
7440-62-2	Vanadium	ND	10.0	2.50	ug/L			1	6020B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 16WDUP
Lab Sample ID: 410-234898-5
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1
SDG ID.:
Matrix: Water
Date Sampled: 07/30/2025 09:25
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 682638
Instrument ID: M10 - 31820

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	ND	2.00	0.200	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: 16WDUP
Lab Sample ID: 410-234898-5
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1
SDG ID.:
Matrix: Water
Date Sampled: 07/30/2025 09:25
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 681233
Instrument ID: E10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	2.00	0.600	ug/L			1	6020B
7440-38-2	Arsenic	4.94	10.0	2.00	ug/L	J		1	6020B
7440-39-3	Barium	383	10.0	1.30	ug/L			1	6020B
7440-41-7	Beryllium	ND	1.00	0.300	ug/L			1	6020B
7440-43-9	Cadmium	ND	1.00	0.200	ug/L			1	6020B
7440-47-3	Chromium	ND	5.00	1.00	ug/L			1	6020B
7440-48-4	Cobalt	11.7	5.00	1.00	ug/L			1	6020B
7440-50-8	Copper	ND	5.00	1.70	ug/L			1	6020B
7439-92-1	Lead	ND	3.00	1.00	ug/L			1	6020B
7440-02-0	Nickel	10.4	10.0	2.00	ug/L			1	6020B
7782-49-2	Selenium	ND	10.0	3.00	ug/L			1	6020B
7440-22-4	Silver	ND	2.00	0.300	ug/L			1	6020B
7440-28-0	Thallium	ND	1.00	0.200	ug/L			1	6020B
7440-66-6	Zinc	ND	30.0	7.30	ug/L			1	6020B
7440-62-2	Vanadium	ND	10.0	2.50	ug/L			1	6020B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 16WC1B
Lab Sample ID: 410-234898-6
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1
SDG ID.:
Matrix: Water
Date Sampled: 07/30/2025 09:45
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 682638
Instrument ID: M10 - 31820

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	1.32	2.00	0.200	ug/L	J		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: 16WC1B
Lab Sample ID: 410-234898-6
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1
SDG ID.:
Matrix: Water
Date Sampled: 07/30/2025 09:45
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 681233
Instrument ID: E10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	2.00	0.600	ug/L			1	6020B
7440-38-2	Arsenic	ND	10.0	2.00	ug/L			1	6020B
7440-39-3	Barium	99.1	10.0	1.30	ug/L			1	6020B
7440-41-7	Beryllium	ND	1.00	0.300	ug/L			1	6020B
7440-43-9	Cadmium	ND	1.00	0.200	ug/L			1	6020B
7440-47-3	Chromium	1.36	5.00	1.00	ug/L	J		1	6020B
7440-48-4	Cobalt	ND	5.00	1.00	ug/L			1	6020B
7440-50-8	Copper	ND	5.00	1.70	ug/L			1	6020B
7439-92-1	Lead	ND	3.00	1.00	ug/L			1	6020B
7440-02-0	Nickel	ND	10.0	2.00	ug/L			1	6020B
7782-49-2	Selenium	ND	10.0	3.00	ug/L			1	6020B
7440-22-4	Silver	ND	2.00	0.300	ug/L			1	6020B
7440-28-0	Thallium	ND	1.00	0.200	ug/L			1	6020B
7440-66-6	Zinc	ND	30.0	7.30	ug/L			1	6020B
7440-62-2	Vanadium	ND	10.0	2.50	ug/L			1	6020B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

ICV Source: MT_MJ_ICV_00141 Concentration Units: ug/L

CCV Source: MT_MJ_CCV_00230

Analyte	ICV 410-685231/3 08/13/2025 09:22				CCV 410-685231/9 08/13/2025 17:00				CCV 410-685231/19 08/13/2025 17:28			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Barium	510.4		500	102	507.9		500	102	510.1		500	102
Antimony	54.50		50.0	109	51.34		50.0	103	51.64		50.0	103
Arsenic	510.4		500	102	522.2		500	104	524.5		500	105
Beryllium	50.68		50.0	101	47.94		50.0	96	48.65		50.0	97
Cadmium	54.84		50.0	110	51.15		50.0	102	51.33		50.0	103
Chromium	515.3		500	103	525.3		500	105	523.1		500	105
Cobalt	523.8		500	105	529.5		500	106	531.3		500	106
Copper	514.6		500	103	519.4		500	104	512.5		500	102
Lead	50.81		50.0	102	50.63		50.0	101	50.55		50.0	101
Nickel	512.3		500	102	524.4		500	105	512.6		500	103
Selenium	51.87		50.0	104	51.81		50.0	104	53.16		50.0	106
Silver	50.42		50.0	101	52.40		50.0	105	51.67		50.0	103
Thallium	51.40		50.0	103	51.04		50.0	102	50.52		50.0	101
Vanadium	510.1		500	102	511.6		500	102	507.7		500	102
Zinc	523.5		500	105	522.8		500	105	523.8		500	105

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

ICV Source: MT_MJ_ICV_00141 Concentration Units: ug/L

CCV Source: MT_MJ_CCV_00230

Analyte	CCV 410-685231/46 08/13/2025 18:57				CCV 410-685231/56 08/13/2025 19:22				CCV 410-685231/66 08/13/2025 19:47			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Barium	516.3		500	103	507.8		500	102	506.4		500	101
Antimony	51.78		50.0	104	50.83		50.0	102	50.43		50.0	101
Arsenic	531.4		500	106	519.6		500	104	520.2		500	104
Beryllium	50.47		50.0	101	50.21		50.0	100	50.78		50.0	102
Cadmium	50.73		50.0	101	50.14		50.0	100	50.01		50.0	100
Chromium	529.0		500	106	517.1		500	103	518.8		500	104
Cobalt	531.2		500	106	515.7		500	103	520.6		500	104
Copper	508.7		500	102	499.8		500	100	499.5		500	100
Lead	51.10		50.0	102	50.45		50.0	101	50.33		50.0	101
Nickel	512.8		500	103	499.9		500	100	500.5		500	100
Selenium	52.43		50.0	105	52.38		50.0	105	52.81		50.0	106
Silver	51.51		50.0	103	50.57		50.0	101	50.56		50.0	101
Thallium	51.33		50.0	103	50.90		50.0	102	50.80		50.0	102
Vanadium	509.7		500	102	510.0		500	102	507.8		500	102
Zinc	524.7		500	105	517.3		500	103	513.0		500	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

ICV Source: MT_MJ_ICV_00141 Concentration Units: ug/L

CCV Source: MT_MJ_CCV_00230

Analyte	ICV 410-684622/3 08/12/2025 17:59				CCV 410-684622/10 08/12/2025 19:01				CCV 410-684622/18 08/12/2025 19:30			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	52.81		50.0	106	48.99		50.0	98	49.81		50.0	100
Arsenic	496.8		500	99	507.0		500	101	500.5		500	100
Beryllium	50.09		50.0	100	49.97		50.0	100	49.64		50.0	99
Cadmium	54.32		50.0	109	49.68		50.0	99	49.73		50.0	99
Chromium	499.7		500	100	505.4		500	101	500.2		500	100
Cobalt	471.5		500	94	471.2		500	94	473.0		500	95
Copper	496.7		500	99	493.4		500	99	491.8		500	98
Lead	50.12		50.0	100	49.58		50.0	99	50.03		50.0	100
Nickel	497.7		500	100	491.6		500	98	496.4		500	99
Selenium	49.69		50.0	99	50.53		50.0	101	51.40		50.0	103
Silver	49.54		50.0	99	49.63		50.0	99	49.68		50.0	99
Thallium	49.26		50.0	99	49.44		50.0	99	50.19		50.0	100
Vanadium	489.5		500	98	492.8		500	99	489.0		500	98
Zinc	487.9		500	98	491.9		500	98	483.5		500	97
Barium	499.5		500	100	498.6		500	100	491.7		500	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

ICV Source: MT_MJ_ICV_00141 Concentration Units: ug/L

CCV Source: MT_MJ_CCV_00230

Analyte	CCV 410-684622/101 08/12/2025 23:14				CCV 410-684622/113 08/12/2025 23:42				CCV 410-684622/119 08/12/2025 23:58			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	49.94		50.0	100	48.52		50.0	97	49.72		50.0	99
Arsenic	519.3		500	104	532.8		500	107	507.9		500	102
Beryllium	48.01		50.0	96	47.89		50.0	96	48.71		50.0	97
Cadmium	49.20		50.0	98	49.23		50.0	98	48.80		50.0	98
Chromium	516.9		500	103	528.2		500	106	498.9		500	100
Cobalt	471.1		500	94	470.1		500	94	482.9		500	97
Copper	492.7		500	99	492.9		500	99	507.2		500	101
Lead	49.99		50.0	100	49.51		50.0	99	49.53		50.0	99
Nickel	494.0		500	99	492.2		500	98	505.6		500	101
Selenium	51.11		50.0	102	51.50		50.0	103	51.02		50.0	102
Silver	49.52		50.0	99	48.98		50.0	98	49.33		50.0	99
Thallium	50.08		50.0	100	49.82		50.0	100	49.88		50.0	100
Vanadium	489.1		500	98	488.8		500	98	499.1		500	100
Zinc	488.6		500	98	487.4		500	97	501.1		500	100
Barium	495.7		500	99	498.1		500	100	484.2		500	97

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

ICV Source: Hg_1Control_00267 Concentration Units: ug/L

CCV Source: Hg_1Cal_00267

Analyte	ICV 410-680850/7-A 08/12/2025 16:05				CCV 410-680850/11-A 08/12/2025 19:16				CCV 410-680850/11-A 08/12/2025 19:39			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.571		2.50	103	0.9970		1.00	100	1.002		1.00	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

ICV Source: Hg_1Control_00267 Concentration Units: ug/L

CCV Source: Hg_1Cal_00267

Analyte	CCV 410-680850/11-A 08/12/2025 20:02				CCV 410-680850/11-A 08/12/2025 20:25							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.9470		1.00	95	0.9750		1.00	98				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

ICV Source: Hg_1Control_00268 Concentration Units: ug/L

CCV Source: Hg_1Cal_00268

Analyte	ICV 410-685010/7-A 08/16/2025 14:38				CCV 410-685010/11-A 08/16/2025 14:44				CCV 410-685010/11-A 08/16/2025 15:07			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.513		2.50	101	1.023		1.00	102	1.024		1.00	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

ICV Source: Hg_1Control_00268 Concentration Units: ug/L

CCV Source: Hg_1Cal_00268

Analyte	CCV 410-685010/11-A 08/16/2025 15:29				CCV 410-685010/11-A 08/16/2025 15:43							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	1.078		1.00	108	1.076		1.00	108				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Method: 6020B Instrument ID: E07 - 27813

Lab Sample ID: CRI 410-685231/5 Concentration Units: ug/L

CRQL Check Standard Source: MT_MJ_CRI-V_00220

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	1.01	1.071		106	80-120
Arsenic	2.02	2.206		109	80-120
Barium	1.99	1.988	J	100	80-120
Beryllium	0.499	0.5002		100	80-120
Cadmium	0.496	0.5364		108	80-120
Chromium	2.00	2.194		110	80-120
Lead	0.503	0.5149		102	80-120
Selenium	1.00	1.077		108	80-120
Silver	0.496	0.5032		101	80-120
Thallium	0.500	0.5221		104	80-120
Zinc	10.0	10.65		106	80-120
Vanadium	2.00	2.245	J	112	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Method: 6020B Instrument ID: E10

Lab Sample ID: CRI 410-684622/5 Concentration Units: ug/L

CRQL Check Standard Source: MT_MJ_CRI-V_00220

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	1.01	1.078		107	80-120
Arsenic	2.02	1.918	J	95	80-120
Barium	1.99	2.192		110	80-120
Beryllium	0.499	0.4643	J	93	80-120
Cadmium	0.496	0.5322		107	80-120
Chromium	2.00	1.996	J	100	80-120
Cobalt	0.504	0.4229	J	84	80-120
Copper	0.999	1.037		104	80-120
Lead	0.503	0.5371		107	80-120
Nickel	1.00	0.9329	J	93	80-120
Selenium	1.00	0.8420	J	84	80-120
Silver	0.496	0.5114		103	80-120
Thallium	0.500	0.4859	J	97	80-120
Zinc	10.0	9.223	J	92	80-120
Vanadium	2.00	1.954	J	98	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Method: 7470A Instrument ID: M10 - 31820

Lab Sample ID: CRA 410-680850/8-A Concentration Units: ug/L

CRQL Check Standard Source: Hg_0.1Control_00280

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.2180		109	50-150

Lab Sample ID: CRA 410-685010/8-A Concentration Units: ug/L

CRQL Check Standard Source: Hg_0.1Control_00281

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.2140		107	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 410-685231/4 08/13/2025 09:29		CCB 410-685231/10 08/13/2025 17:04		CCB 410-685231/20 08/13/2025 17:48		CCB 410-685231/47 08/13/2025 19:01	
		Found	C	Found	C	Found	C	Found	C
Barium	2.00	ND		ND		ND		ND	
Antimony	1.00	ND		ND		ND		0.4452	J
Arsenic	2.00	ND		ND		ND		ND	
Beryllium	0.500	ND		ND		ND		ND	
Cadmium	0.500	ND		ND		ND		ND	
Chromium	2.00	ND		ND		ND		ND	
Cobalt	0.500	0.2442	J	ND		ND			
Copper	1.00	ND		ND		ND		ND	
Lead	0.500	ND		ND		ND		ND	
Nickel	1.00	ND		ND		ND		ND	
Selenium	1.00	ND		ND		ND		ND	
Silver	0.500	ND		ND		ND		ND	
Thallium	0.500	ND		ND		ND		ND	
Vanadium	4.00	ND		ND		ND		ND	
Zinc	10.0	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 410-685231/57 08/13/2025 19:26		CCB 410-685231/67 08/13/2025 19:52					
		Found	C	Found	C	Found	C	Found	C
Barium	2.00	ND		ND					
Antimony	1.00	ND		ND					
Arsenic	2.00	ND		ND					
Beryllium	0.500	ND		ND					
Cadmium	0.500	ND		ND					
Chromium	2.00	ND		ND					
Cobalt	0.500			0.1979	J				
Copper	1.00	ND		ND					
Lead	0.500	ND		ND					
Nickel	1.00	ND		ND					
Selenium	1.00	ND		ND					
Silver	0.500	ND		ND					
Thallium	0.500	ND		ND					
Vanadium	4.00	ND		ND					
Zinc	10.0	ND		ND					

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 410-684622/4 08/12/2025 18:03		CCB 410-684622/9 08/12/2025 18:55		CCB 410-684622/19 08/12/2025 19:34		CCB 410-684622/102 08/12/2025 23:18	
		Found	C	Found	C	Found	C	Found	C
Antimony	1.00	ND		ND		ND		ND	
Arsenic	2.00	ND		ND		ND		ND	
Beryllium	0.500	ND		ND		ND		ND	
Cadmium	0.500	ND		ND		ND		ND	
Chromium	2.00	ND		ND		ND		ND	
Cobalt	0.500	ND		ND		ND		ND	
Copper	1.00	ND		ND		ND		ND	
Lead	0.500	ND		ND		ND		ND	
Nickel	1.00	ND		ND		ND		ND	
Selenium	1.00	ND		ND		ND		ND	
Silver	0.500	ND		ND		ND		ND	
Thallium	0.500	ND		ND		ND		ND	
Vanadium	4.00	ND		ND		ND		ND	
Zinc	10.0	ND		ND		ND		ND	
Barium	2.00	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 410-684622/114 08/12/2025 23:46		CCB 410-684622/120 08/13/2025 00:03					
		Found	C	Found	C	Found	C	Found	C
Antimony	1.00	ND		ND					
Arsenic	2.00	ND		ND					
Beryllium	0.500	ND		ND					
Cadmium	0.500	ND		ND					
Chromium	2.00	ND		ND					
Cobalt	0.500	ND		ND					
Copper	1.00	ND		ND					
Lead	0.500	ND		ND					
Nickel	1.00	ND		ND					
Selenium	1.00	ND		ND					
Silver	0.500	ND		ND					
Thallium	0.500	ND		ND					
Vanadium	4.00	ND		ND					
Zinc	10.0	ND		ND					
Barium	2.00								

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 410-680850/9-A 08/12/2025 16:06		CCB 410-680850/10-A 08/12/2025 19:18		CCB 410-680850/10-A 08/12/2025 19:41		CCB 410-680850/10-A 08/12/2025 20:04	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.200	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 410-680850/10-A 08/12/2025 20:26							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.200	ND							

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 410-685010/9-A 08/16/2025 14:40		CCB 410-685010/10-A 08/16/2025 14:46		CCB 410-685010/10-A 08/16/2025 15:09		CCB 410-685010/10-A 08/16/2025 15:31	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.200	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 410-685010/10-A 08/16/2025 15:44							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.200	ND							

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 410-681233/1-A

Instrument Code: E10 Batch No.: 684622

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	ND			6020B
7440-38-2	Arsenic	ND			6020B
7440-41-7	Beryllium	ND			6020B
7440-43-9	Cadmium	ND			6020B
7440-47-3	Chromium	ND			6020B
7440-48-4	Cobalt	ND			6020B
7440-50-8	Copper	ND			6020B
7439-92-1	Lead	ND			6020B
7440-02-0	Nickel	ND			6020B
7782-49-2	Selenium	ND			6020B
7440-22-4	Silver	ND			6020B
7440-28-0	Thallium	ND			6020B
7440-66-6	Zinc	ND			6020B
7440-62-2	Vanadium	ND			6020B

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 410-681233/1-A

Instrument Code: E07 - 27813 Batch No.: 685231

CAS No.	Analyte	Concentration	C	Q	Method
7440-39-3	Barium	ND			6020B

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 410-682634/1-A

Instrument Code: M10 - 31820 Batch No.: 684585

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 410-682638/1-A

Instrument Code: M10 - 31820 Batch No.: 686532

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICSA 410-685231/6 Instrument ID: E07 - 27813

Lab File ID: 023ICSA.d ICS Source: MT_MJ_ICSA_00143

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Barium	**0.390**	**0.342**	
Aluminum	*100000*	*98943*	*99*
Antimony	*0.140*	*0.204*	
Arsenic	*8.50*	*0.199*	
Beryllium	*0.0200*	*-0.0329*	
Cadmium	*0.480*	*0.298*	
Calcium	*300000*	*282721*	*94*
Chromium	*3.20*	*3.65*	
Cobalt	*0.220*	*0.267*	
Copper	*0.860*	*0.0897*	
Iron	*250000*	*240417*	*96*
Lead	*0.120*	*0.109*	
Magnesium	*100000*	*100084*	*100*
Manganese	*0.500*	*0.621*	
Molybdenum	*2000*	*1959*	*98*
Nickel	*1.20*	*0.0675*	
Potassium	*100000*	*97717*	*98*
Selenium	*0.580*	*0.0771*	
Silver	*0.200*	*0.0058*	
Sodium	*250000*	*248383*	*99*
Strontium	*1.70*	*2.58*	
Thallium	*0.0100*	*0.0027*	
Tin	*0.0600*	*0.787*	
Titanium	*2000*	*1992*	*100*
Uranium	*0.120*	*-0.0049*	
Vanadium	*0.460*	*0.0367*	
Zinc	*0.450*	*1.65*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICSAB 410-685231/7 Instrument ID: E07 - 27813

Lab File ID: 024ICSB.d ICS Source: MT_MJ_ICSAB_00128

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Barium		**0.299**	
Aluminum	*100000*	*101923*	*102*
Antimony		*0.202*	
Arsenic	*100*	*96.7*	*97*
Beryllium		*-0.0267*	
Cadmium	*100*	*101*	*101*
Calcium	*300000*	*292184*	*97*
Chromium	*200*	*202*	*101*
Cobalt	*200*	*198*	*99*
Copper	*200*	*205*	*102*
Iron	*250000*	*242574*	*97*
Lead		*0.106*	
Magnesium	*100000*	*102395*	*102*
Manganese	*200*	*199*	*99*
Molybdenum	*2000*	*1999*	*100*
Nickel	*200*	*207*	*103*
Potassium	*100000*	*100974*	*101*
Selenium	*100*	*99.2*	*99*
Silver	*50.0*	*51.8*	*104*
Sodium	*250000*	*254999*	*102*
Strontium	*2.80*	*2.61*	
Thallium		*0.0174*	
Tin		*0.217*	
Titanium	*2000*	*2031*	*102*
Uranium		*-0.0030*	
Vanadium	*200*	*205*	*103*
Zinc	*100*	*96.8*	*97*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICSA 410-684622/6 Instrument ID: E10

Lab File ID: 077ICSA.d ICS Source: MT_MJ_ICSA_00143

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony	**0.140**	**0.233**	
Arsenic	**8.50**	**0.245**	
Beryllium	**0.0200**	**-0.0107**	
Cadmium	**0.480**	**0.235**	
Chromium	**3.20**	**3.42**	
Cobalt	**0.220**	**0.193**	
Copper	**0.860**	**0.0822**	
Lead	**0.120**	**0.0988**	
Nickel	**1.20**	**0.264**	
Selenium	**0.580**	**0.0463**	
Silver	**0.200**	**0.0064**	
Thallium	**0.0100**	**-0.0223**	
Vanadium	**0.460**	**0.0401**	
Zinc	**0.450**	**1.94**	
Aluminum	*100000*	*97128*	*97*
Barium	*0.390*	*0.641*	
Calcium	*300000*	*278367*	*93*
Iron	*250000*	*230665*	*92*
Magnesium	*100000*	*94816*	*95*
Manganese	*0.500*	*0.666*	
Molybdenum	*2000*	*2030*	*101*
Potassium	*100000*	*95639*	*96*
Sodium	*250000*	*236136*	*94*
Strontium	*1.70*	*2.39*	
Tin	*0.0600*	*0.118*	
Titanium	*2000*	*1955*	*98*
Uranium	*0.120*	*0.0053*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Lab Sample ID: ICSAB 410-684622/7 Instrument ID: E10

Lab File ID: 078ICSB.d ICS Source: MT_MJ_ICSAB_00128

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Antimony		**0.177**	
Arsenic	**100**	**95.2**	**95**
Beryllium		**-0.0139**	
Cadmium	**100**	**96.6**	**97**
Chromium	**200**	**195**	**97**
Cobalt	**200**	**185**	**92**
Copper	**200**	**187**	**94**
Lead		**0.104**	
Nickel	**200**	**187**	**94**
Selenium	**100**	**96.7**	**97**
Silver	**50.0**	**47.8**	**95**
Thallium		**-0.0172**	
Vanadium	**200**	**198**	**99**
Zinc	**100**	**94.4**	**94**
Aluminum	*100000*	*98350*	*98*
Barium		*-0.249*	
Calcium	*300000*	*282865*	*94*
Iron	*250000*	*233786*	*94*
Magnesium	*100000*	*96590*	*97*
Manganese	*200*	*188*	*94*
Molybdenum	*2000*	*2087*	*104*
Potassium	*100000*	*96913*	*97*
Sodium	*250000*	*241028*	*96*
Strontium	*2.80*	*3.22*	
Tin		*-0.140*	
Titanium	*2000*	*2099*	*105*
Uranium		*0.0077*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: 16WC1AMS MS
Lab ID: 410-234898-4 MS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Matrix: Water
Concentration Units: ug/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.9550	J	ND		1.00	96	80-120		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: 16WC1AMS MS
Lab ID: 410-234898-4 MS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1

SDG No.:

Matrix: Water
Concentration Units: ug/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	96.65		ND		100	97	75-125		6020B
Arsenic	529.3		4.80	J	500	105	75-125		6020B
Barium	872.4		366		500	101	75-125		6020B
Beryllium	48.05		ND		50.0	96	75-125		6020B
Cadmium	49.30		ND		50.0	99	75-125		6020B
Chromium	502.6		ND		500	101	75-125		6020B
Cobalt	469.5		11.0		500	92	80-125		6020B
Copper	478.8		ND		500	96	75-125		6020B
Lead	49.06		ND		50.0	98	75-125		6020B
Nickel	485.8		10.0		500	95	75-125		6020B
Selenium	98.01		ND		100	98	75-125		6020B
Silver	48.83		ND		50.0	98	75-125		6020B
Thallium	97.40		ND		100	97	75-125		6020B
Zinc	483.6		ND		500	97	75-125		6020B
Vanadium	483.1		ND		500	97	75-125		6020B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: 16WC1AMSD MSD Lab ID: 410-234898-4 MSD

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Concentration Units: ug/L

% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.9020	J	1.00	90	80-120	6	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: 16WC1AMSD MSD Lab ID: 410-234898-4 MSD

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water Concentration Units: ug/L

% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Antimony	96.82		100	97	75-125	0	20		6020B
Arsenic	502.8		500	100	75-125	5	20		6020B
Barium	851.7		500	97	75-125	2	20		6020B
Beryllium	47.72		50.0	95	75-125	1	20		6020B
Cadmium	47.51		50.0	95	75-125	4	20		6020B
Chromium	485.9		500	97	75-125	3	20		6020B
Cobalt	459.5		500	90	80-125	2	20		6020B
Copper	471.3		500	94	75-125	2	20		6020B
Lead	49.29		50.0	99	75-125	0	20		6020B
Nickel	473.3		500	93	75-125	3	20		6020B
Selenium	97.66		100	98	75-125	0	20		6020B
Silver	48.72		50.0	97	75-125	0	20		6020B
Thallium	97.53		100	98	75-125	0	20		6020B
Zinc	474.4		500	95	75-125	2	20		6020B
Vanadium	475.1		500	95	75-125	2	20		6020B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

6-IN
DUPLICATES
METALS

Client ID: 16WC1ALR DU | Lab ID: 410-234898-4 DU

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-234898-1

SDG No.:

% Solids for Sample: | % Solids for Duplicate:

Matrix: Water | Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury	2.00	ND		ND		NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
DUPLICATES
METALS - TOTAL RECOVERABLE

Client ID: 16WC1ALR DU | Lab ID: 410-234898-4 DU

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-234898-1

SDG No.:

% Solids for Sample: | % Solids for Duplicate:

Matrix: Water | Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Antimony	2.00	ND		ND		NC		6020B
Arsenic	10.0	4.80	J	4.619	J	4		6020B
Barium	10.0	366		371.3		2		6020B
Beryllium	1.00	ND		ND		NC		6020B
Cadmium	1.00	ND		ND		NC		6020B
Chromium	5.00	ND		ND		NC		6020B
Cobalt	5.00	11.0		11.41		4		6020B
Copper	5.00	ND		ND		NC		6020B
Lead	3.00	ND		ND		NC		6020B
Nickel	10.0	10.0		9.931	J	0.9		6020B
Selenium	10.0	ND		ND		NC		6020B
Silver	2.00	ND		ND		NC		6020B
Thallium	1.00	ND		ND		NC		6020B
Zinc	30.0	ND		ND		NC		6020B
Vanadium	10.0	ND		ND		NC		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 410-684622/8

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-234898-1

Sample Matrix:

LCS Source: MT_MJ_LRC_00129

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Antimony	2000	1943		97	90	110		6020B
Arsenic	2000	1837		92	90	110		6020B
Barium	2000	1985		99	90	110		6020B
Beryllium	2000	1834		92	90	110		6020B
Cadmium	2000	1920		96	90	110		6020B
Chromium	2000	1857		93	90	110		6020B
Cobalt	2000	1840		92	90	110		6020B
Copper	2000	1903		95	90	110		6020B
Lead	2000	1927		96	90	110		6020B
Nickel	2000	1874		94	90	110		6020B
Selenium	2000	1963		98	90	110		6020B
Silver	2000	1922		96	90	110		6020B
Thallium	2000	1923		96	90	110		6020B
Zinc	2000	1883		94	90	110		6020B
Vanadium	2000	1972		99	90	110		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 410-681233/2-A

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-234898-1

Sample Matrix: Water

LCS Source: MT_LCS-SPK-B_00055

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Antimony	100	96.88		97	85	115		6020B
Arsenic	500	502.9		101	86	111		6020B
Beryllium	50.0	47.79		96	80	120		6020B
Cadmium	50.0	49.47		99	86	114		6020B
Chromium	500	493.1		99	84	113		6020B
Cobalt	500	458.6		92	85	112		6020B
Copper	500	483.2		97	86	111		6020B
Lead	50.0	50.09		100	86	114		6020B
Nickel	500	479.9		96	85	113		6020B
Selenium	100	98.02		98	86	111		6020B
Silver	50.0	49.98		100	88	116		6020B
Thallium	100	98.68		99	86	113		6020B
Zinc	500	541.6		108	86	112		6020B
Vanadium	500	472.4		94	84	112		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 410-685231/8

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-234898-1

Sample Matrix:

LCS Source: MT_MJ_LRC_00129

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Antimony	2000	1975		99	90	110		6020B
Arsenic	2000	2083		104	90	110		6020B
Barium	2000	2013		101	90	110		6020B
Cadmium	2000	1973		99	90	110		6020B
Chromium	2000	2019		101	90	110		6020B
Cobalt	2000	2029		101	90	110		6020B
Copper	2000	1962		98	90	110		6020B
Lead	2000	2058		103	90	110		6020B
Nickel	2000	1970		99	90	110		6020B
Selenium	2000	2047		102	90	110		6020B
Silver	2000	1959		98	90	110		6020B
Thallium	2000	2086		104	90	110		6020B
Zinc	2000	1983		99	90	110		6020B
Vanadium	2000	1855		93	90	110		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 410-681233/2-A

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-234898-1

Sample Matrix: Water

LCS Source: MT_LCS-SPK-A_00055

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Barium	500	487.4		97	86	114		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 410-682634/2-A

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-234898-1

Sample Matrix: Water

LCS Source: MP_40Hg_IV_00262

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.00	0.9790	J	98	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 410-682638/2-A

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-234898-1

Sample Matrix: Water

LCS Source: MP_40Hg_IV_00262

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.00	1.196	J	120	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-234898-1

SDG Number:

Matrix: Water Instrument ID: E07 - 27813

Method: 6020B MDL Date: 02/11/2021 10:57

Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Barium	137	10	1.3

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job Number: 410-234898-1

SDG Number:

Matrix: Water
Instrument ID: E07 - 27813

Method: 6020B
XMDL Date: 04/09/2025 09:22

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Barium	137	2	0.746

9-IN
DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-234898-1

SDG Number:

Matrix: Water Instrument ID: E10

Method: 6020B MDL Date: 02/11/2021 10:57

Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Antimony	121	2	0.6
Arsenic	75	10	2
Beryllium	9	1	0.3
Cadmium	111	1	0.2
Chromium	52	5	1
Cobalt	59	5	1
Copper	63	5	1.7
Lead	208	3	1
Nickel	60	10	2
Selenium	78	10	3
Silver	107	2	0.3
Thallium	203	1	0.2
Vanadium	51	10	2.5
Zinc	66	30	7.3

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-234898-1

SDG Number:

Matrix: Water Instrument ID: E10

Method: 6020B XMDL Date: 04/09/2025 09:22

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Antimony	121	1	0.2
Arsenic	75	2	0.68
Beryllium	9	0.5	0.119
Cadmium	111	0.5	0.151
Chromium	52	2	0.55
Cobalt	59	0.5	0.156
Copper	63	1	0.85
Lead	208	0.5	0.12
Nickel	60	1	0.4
Selenium	78	1	0.278
Silver	107	0.5	0.1
Thallium	203	0.5	0.13
Vanadium	51	4	0.794
Zinc	66	10	4

9-IN
DETECTION LIMITS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-234898-1

SDG Number:

Matrix: Water Instrument ID: M10 - 31820

Method: 7470A MDL Date: 02/11/2021 10:56

Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		2	0.2

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-234898-1

SDG Number:

Matrix: Water Instrument ID: M10 - 31820

Method: 7470A XMDL Date: 05/08/2025 08:43

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.087

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No: 410-234898-1

SDG No.:

Instrument ID: E07 - 27813 Date: 11/26/2024 16:32

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Barium		2000	6020B

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No: 410-234898-1

SDG No.:

Instrument ID: M10 - 31820 Date: 12/01/2020 00:00

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Mercury		4.5	7470A

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 410-681233/1-A	08/11/2025 04:22	681233		50	50
LCS 410-681233/2-A	08/11/2025 04:22	681233		50	50
410-234898-4	08/11/2025 04:22	681233		50	50
410-234898-4 DU	08/11/2025 04:22	681233		50	50
410-234898-4 MS	08/11/2025 04:22	681233		50	50
410-234898-4 MSD	08/11/2025 04:22	681233		50	50
410-234898-3	08/11/2025 04:22	681233		50	50
410-234898-1	08/11/2025 04:22	681233		50	50
410-234898-2	08/11/2025 04:22	681233		50	50
410-234898-6	08/11/2025 04:22	681233		50	50
410-234898-5	08/11/2025 04:22	681233		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 410-682634/1-A	08/12/2025 05:25	682634		20	20
LCS 410-682634/2-A	08/12/2025 05:25	682634		20	20
410-234898-4	08/12/2025 05:25	682634		20	20
410-234898-4 DU	08/12/2025 05:25	682634		20	20
410-234898-4 MS	08/12/2025 05:25	682634		20	20
410-234898-4 MSD	08/12/2025 05:25	682634		20	20
410-234898-3	08/12/2025 05:25	682634		20	20
410-234898-1	08/12/2025 05:25	682634		20	20
410-234898-2	08/12/2025 05:25	682634		20	20

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 410-682638/1-A	08/12/2025 10:26	682638		20	20
LCS 410-682638/2-A	08/12/2025 10:26	682638		20	20
410-234898-6	08/12/2025 10:26	682638		20	20
410-234898-5	08/12/2025 10:26	682638		20	20

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: E07 - 27813 Analysis Method: 6020B

Start Date: 08/13/2025 09:10 End Date: 08/13/2025 22:29

Lab Sample Id	D/F	Type	Time	Analytes
				Ba
ICIS 410-685231/1			09:10	X
STD1 410-685231/2 IC	1		09:12	X
ICV 410-685231/3	1		09:22	X
ICB 410-685231/4	1		09:29	X
CRI 410-685231/5	1		09:32	X
ICSA 410-685231/6	1		10:23	X
ICSAB 410-685231/7	1		10:25	X
LRC 410-685231/8	1		10:27	X
CCV 410-685231/9	1		17:00	X
CCB 410-685231/10	1		17:04	X
ZZZZZZ (QC)			17:07	
MB 410-681233/1-A	1	R	17:09	X
ZZZZZZ (QC)			17:11	
ZZZZZZ (QC)			17:13	
ZZZZZZ (QC)			17:17	
LCS 410-681233/2-A	1	R	17:19	X
ZZZZZZ (QC)			17:21	
ZZZZZZ (QC)			17:24	
CCV 410-685231/19	1		17:28	X
CCB 410-685231/20	1		17:48	X
ZZZZZZ (Client)			17:54	
ZZZZZZ (Client)			17:56	
ZZZZZZ (Client)			17:58	
ZZZZZZ (Client)			18:00	
ZZZZZZ (Client)			18:02	
ZZZZZZ (Client)			18:04	
ZZZZZZ (Client)			18:06	
ZZZZZZ (Client)			18:09	
CCV 410-685231/29			18:13	
CCB 410-685231/30			18:17	
ZZZZZZ (Client)			18:19	
ZZZZZZ (QC)			18:21	
ZZZZZZ (QC)			18:23	
ZZZZZZ (QC)			18:25	
ZZZZZZ (Client)			18:28	
ZZZZZZ (Client)			18:30	
ZZZZZZ (Client)			18:32	
ZZZZZZ (Client)			18:34	
ZZZZZZ (Client)			18:36	
ZZZZZZ (Client)			18:38	
CCV 410-685231/41			18:42	

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: E07 - 27813 Analysis Method: 6020B

Start Date: 08/13/2025 09:10 End Date: 08/13/2025 22:29

Lab Sample Id	D/F	Type	Time	Analytes
				Ba
CCB 410-685231/42			18:46	
ZZZZZZ (QC)			18:49	
ZZZZZZ (QC)			18:51	
ZZZZZZ (QC)			18:53	
CCV 410-685231/46	1		18:57	X
CCB 410-685231/47	1		19:01	X
410-234898-4	1	R	19:03	X
410-234898-4 DU	1	R	19:05	X
410-234898-4 MS	1	R	19:08	X
410-234898-4 MSD	1	R	19:10	X
410-234898-3	1	R	19:12	X
ZZZZZZ (Client)			19:14	
410-234898-1	1	R	19:16	X
410-234898-2	1	R	19:18	X
CCV 410-685231/56	1		19:22	X
CCB 410-685231/57	1		19:26	X
ZZZZZZ (Client)			19:29	
ZZZZZZ (Client)			19:31	
410-234898-6	1	R	19:33	X
ZZZZZZ (Client)			19:35	
410-234898-5	1	R	19:37	X
ZZZZZZ (Client)			19:39	
ZZZZZZ (Client)			19:41	
ZZZZZZ (Client)			19:43	
CCV 410-685231/66	1		19:47	X
CCB 410-685231/67	1		19:52	X
ZZZZZZ (Client)			19:54	
ZZZZZZ (Client)			19:56	
ZZZZZZ (Client)			19:58	
ZZZZZZ (Client)			20:00	
ZZZZZZ (Client)			20:02	
ZZZZZZ (Client)			20:04	
ZZZZZZ (Client)			20:06	
ZZZZZZ (Client)			20:08	
ZZZZZZ (Client)			20:10	
CCV 410-685231/77			20:15	
CCB 410-685231/78			20:19	
ZZZZZZ (Client)			20:21	
ZZZZZZ (Client)			20:23	
ZZZZZZ (Client)			20:25	
ZZZZZZ (Client)			20:27	

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: E07 - 27813 Analysis Method: 6020B

Start Date: 08/13/2025 09:10 End Date: 08/13/2025 22:29

Lab Sample Id	D/F	Type	Time	Analytes
				Ba
ZZZZZZ (Client)			20:29	
ZZZZZZ (QC)			20:31	
ZZZZZZ (QC)			20:34	
ZZZZZZ (Client)			20:36	
ZZZZZZ (QC)			20:38	
ZZZZZZ (QC)			20:40	
CCV 410-685231/89			20:44	
CCB 410-685231/90			20:48	
ZZZZZZ (Client)			20:50	
CCV 410-685231/92			21:07	
CCB 410-685231/93			21:14	
ZZZZZZ (Client)			21:16	
ZZZZZZ (QC)			21:18	
ZZZZZZ (QC)			21:20	
ZZZZZZ (Client)			21:22	
ZZZZZZ (Client)			21:24	
ZZZZZZ (Client)			21:26	
ZZZZZZ (QC)			21:28	
ZZZZZZ (QC)			21:30	
CCV 410-685231/102			21:35	
CCB 410-685231/103			21:49	
ZZZZZZ (Client)			21:51	
ZZZZZZ (Client)			21:53	
ZZZZZZ (Client)			21:56	
ZZZZZZ (Client)			21:58	
ZZZZZZ (Client)			22:00	
ZZZZZZ (Client)			22:02	
ZZZZZZ (Client)			22:04	
ZZZZZZ (Client)			22:06	
ZZZZZZ (Client)			22:08	
ZZZZZZ (Client)			22:10	
CCV 410-685231/114			22:14	
CCB 410-685231/115			22:19	
ZZZZZZ (Client)			22:21	
CCV 410-685231/117			22:25	
CCB 410-685231/118			22:29	

Prep Types:
R = Total Recoverable

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: E10 Analysis Method: 6020B

Start Date: 08/12/2025 17:55 End Date: 08/13/2025 00:33

Lab Sample Id	D/F	Type	Time	Analytes																												
				Ag	As	Be	Cd	Co	Cr	Cu	Ni	Pb	Sb	Se	Tl	V	Zn															
ICIS 410-684622/1			17:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X															
STD1 410-684622/2 IC	1		17:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X															
ICV 410-684622/3	1		17:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X															
ICB 410-684622/4	1		18:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X															
CRI 410-684622/5	1		18:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X															
ICSA 410-684622/6	1		18:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X															
ICSAB 410-684622/7	1		18:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X															
LRC 410-684622/8	1		18:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X															
CCB 410-684622/9	1		18:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X															
CCV 410-684622/10	1		19:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X															
ZZZZZZ (QC)			19:08																													
ZZZZZZ (QC)			19:10																													
ZZZZZZ (QC)			19:12																													
MB 410-681233/1-A	1	R	19:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X															
LCS 410-681233/2-A	1	R	19:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X															
ZZZZZZ (QC)			19:18																													
ZZZZZZ (QC)			19:22																													
CCV 410-684622/18	1		19:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X															
CCB 410-684622/19	1		19:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X															
ZZZZZZ (QC)			19:36																													
CCV 410-684622/21			19:43																													
CCB 410-684622/22			19:47																													
ZZZZZZ (Client)			19:55																													
ZZZZZZ (QC)			19:57																													
ZZZZZZ (QC)			19:59																													
ZZZZZZ (QC)			20:01																													
ZZZZZZ (Client)			20:03																													
ZZZZZZ (Client)			20:05																													
ZZZZZZ (Client)			20:07																													
ZZZZZZ (Client)			20:09																													
ZZZZZZ (Client)			20:11																													
ZZZZZZ (Client)			20:13																													
CCV 410-684622/33			20:17																													
CCB 410-684622/34			20:21																													
CCV 410-684622/35			20:25																													
CCB 410-684622/36			20:29																													
ZZZZZZ (Client)			20:31																													
ZZZZZZ (QC)			20:33																													
ZZZZZZ (QC)			20:35																													
ZZZZZZ (QC)			20:37																													
ZZZZZZ (Client)			20:39																													

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: E10 Analysis Method: 6020B

Start Date: 08/12/2025 17:55 End Date: 08/13/2025 00:33

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Co	Cr	Cu	Ni	Pb	Sb	Se	Tl	V	Zn												
ZZZZZZ (Client)			20:42																									
ZZZZZZ (Client)			20:44																									
ZZZZZZ (Client)			20:46																									
ZZZZZZ (Client)			20:48																									
ZZZZZZ (Client)			20:50																									
CCV 410-684622/47			20:54																									
CCB 410-684622/48			20:58																									
ZZZZZZ (Client)			21:00																									
ZZZZZZ (Client)			21:02																									
ZZZZZZ (Client)			21:05																									
ZZZZZZ (Client)			21:07																									
ZZZZZZ (Client)			21:09																									
ZZZZZZ (Client)			21:11																									
ZZZZZZ (Client)			21:13																									
ZZZZZZ (Client)			21:15																									
ZZZZZZ (Client)			21:18																									
ZZZZZZ (Client)			21:20																									
CCV 410-684622/59			21:24																									
CCB 410-684622/60			21:28																									
ZZZZZZ (Client)			21:30																									
ZZZZZZ (Client)			21:32																									
ZZZZZZ (Client)			21:34																									
ZZZZZZ (Client)			21:36																									
ZZZZZZ (Client)			21:38																									
ZZZZZZ (Client)			21:40																									
ZZZZZZ (Client)			21:43																									
ZZZZZZ (QC)			21:45																									
ZZZZZZ (QC)			21:47																									
ZZZZZZ (QC)			21:49																									
CCV 410-684622/71			21:53																									
CCB 410-684622/72			21:57																									
ZZZZZZ (QC)			21:59																									
ZZZZZZ (QC)			22:01																									
ZZZZZZ (QC)			22:04																									
ZZZZZZ (Client)			22:06																									
ZZZZZZ (QC)			22:08																									
ZZZZZZ (QC)			22:10																									
ZZZZZZ (QC)			22:12																									
ZZZZZZ (Client)			22:14																									
ZZZZZZ (Client)			22:16																									
ZZZZZZ (Client)			22:18																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: E10 Analysis Method: 6020B

Start Date: 08/12/2025 17:55 End Date: 08/13/2025 00:33

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Be	Cd	Co	Cr	Cu	Ni	Pb	Sb	Se	Tl	V	Zn											
CCV 410-684622/83			22:22																									
CCB 410-684622/84			22:26																									
ZZZZZZ (Client)			22:28																									
ZZZZZZ (Client)			22:30																									
ZZZZZZ (Client)			22:32																									
ZZZZZZ (Client)			22:34																									
ZZZZZZ (Client)			22:36																									
ZZZZZZ (Client)			22:38																									
ZZZZZZ (Client)			22:40																									
ZZZZZZ (Client)			22:42																									
ZZZZZZ (Client)			22:44																									
ZZZZZZ (Client)			22:46																									
CCV 410-684622/95			22:58																									
CCB 410-684622/96			23:02																									
ZZZZZZ (Client)			23:04																									
ZZZZZZ (Client)			23:06																									
ZZZZZZ (Client)			23:08																									
ZZZZZZ (Client)			23:10																									
CCV 410-684622/101	1		23:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X											
CCB 410-684622/102	1		23:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X											
410-234898-4	1	R	23:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X											
410-234898-4 DU	1	R	23:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X											
410-234898-4 MS	1	R	23:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X											
410-234898-4 MSD	1	R	23:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X											
410-234898-3	1	R	23:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X											
ZZZZZZ (Client)			23:30																									
410-234898-1	1	R	23:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X											
410-234898-2	1	R	23:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X											
ZZZZZZ (Client)			23:36																									
ZZZZZZ (Client)			23:38																									
CCV 410-684622/113	1		23:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X											
CCB 410-684622/114	1		23:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X											
410-234898-6	1	R	23:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X											
ZZZZZZ (Client)			23:50																									
410-234898-5	1	R	23:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X											
ZZZZZZ (Client)			23:54																									
CCV 410-684622/119	1		23:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X											
CCB 410-684622/120	1		00:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X											
ZZZZZZ (Client)			00:05																									
ZZZZZZ (Client)			00:07																									
ZZZZZZ (Client)			00:09																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: E10 Analysis Method: 6020B

Start Date: 08/12/2025 17:55 End Date: 08/13/2025 00:33

Lab Sample Id	D/F	Type	Time	Analytes																									
				Ag	As	Be	Cd	Co	Cr	Cu	Ni	Pb	Sb	Se	Tl	V	Zn												
ZZZZZZ (Client)			00:11																										
ZZZZZZ (Client)			00:13																										
ZZZZZZ (Client)			00:15																										
CCV 410-684622/127			00:19																										
CCB 410-684622/128			00:23																										
ZZZZZZ (Client)			00:25																										
CCV 410-684622/130			00:29																										
CCB 410-684622/131			00:33																										

Prep Types:
R = Total Recoverable

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: M10 - 31820 Analysis Method: 7470A

Start Date: 08/12/2025 15:53 End Date: 08/12/2025 21:25

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
IC 410-680850/1-A			15:53	X																								
IC 410-680850/2-A			15:55	X																								
IC 410-680850/3-A			15:57	X																								
IC 410-680850/4-A			15:59	X																								
IC 410-680850/5-A			16:01	X																								
IC 410-680850/6-A			16:03	X																								
ICV 410-680850/7-A	1		16:05	X																								
ICB 410-680850/9-A	1		16:06	X																								
CRA 410-680850/8-A	1		16:08	X																								
CCV 410-680850/11-A			16:10																									
CCB 410-680850/10-A			16:12																									
ZZZZZZ (QC)			16:14																									
ZZZZZZ (QC)			16:16																									
ZZZZZZ (Client)			16:18																									
ZZZZZZ (QC)			16:20																									
ZZZZZZ (QC)			16:22																									
ZZZZZZ (QC)			16:23																									
ZZZZZZ (QC)			16:25																									
ZZZZZZ (QC)			16:27																									
ZZZZZZ (QC)			16:29																									
ZZZZZZ (Client)			16:31																									
CCV 410-680850/11-A			16:33																									
CCB 410-680850/10-A			16:35																									
ZZZZZZ (QC)			16:37																									
ZZZZZZ (QC)			16:39																									
ZZZZZZ (QC)			16:40																									
ZZZZZZ (QC)			16:42																									
ZZZZZZ (Client)			16:44																									
ZZZZZZ (Client)			16:46																									
ZZZZZZ (Client)			16:48																									
ZZZZZZ (QC)			16:50																									
ZZZZZZ (QC)			16:52																									
ZZZZZZ (Client)			16:54																									
CCV 410-680850/11-A			16:56																									
CCB 410-680850/10-A			16:57																									
ZZZZZZ (Client)			16:59																									
ZZZZZZ (Client)			17:01																									
ZZZZZZ (Client)			17:03																									
ZZZZZZ (Client)			17:05																									
ZZZZZZ (Client)			17:07																									
ZZZZZZ (Client)			17:09																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: M10 - 31820 Analysis Method: 7470A

Start Date: 08/12/2025 15:53 End Date: 08/12/2025 21:25

Lab Sample Id	D/F	Type	Time	Analytes
				Hg
ZZZZZZ (Client)			17:11	
ZZZZZZ (Client)			17:13	
ZZZZZZ (Client)			17:14	
ZZZZZZ (Client)			17:16	
CCV 410-680850/11-A			17:18	
CCB 410-680850/10-A			17:20	
ZZZZZZ (Client)			17:22	
ZZZZZZ (QC)			17:24	
ZZZZZZ (QC)			17:26	
ZZZZZZ (QC)			17:32	
ZZZZZZ (Client)			17:34	
ZZZZZZ (QC)			17:36	
ZZZZZZ (QC)			17:37	
ZZZZZZ (QC)			17:39	
ZZZZZZ (Client)			17:41	
ZZZZZZ (Client)			17:43	
CCV 410-680850/11-A			17:45	
CCB 410-680850/10-A			17:47	
ZZZZZZ (Client)			17:49	
ZZZZZZ (Client)			17:51	
ZZZZZZ (QC)			17:53	
ZZZZZZ (QC)			17:55	
ZZZZZZ (QC)			17:56	
ZZZZZZ (Client)			17:58	
ZZZZZZ (Client)			18:00	
ZZZZZZ (QC)			18:02	
ZZZZZZ (QC)			18:04	
ZZZZZZ (Client)			18:06	
CCV 410-680850/11-A			18:08	
CCB 410-680850/10-A			18:10	
ZZZZZZ (Client)			18:12	
ZZZZZZ (Client)			18:14	
ZZZZZZ (Client)			18:16	
ZZZZZZ (Client)			18:17	
ZZZZZZ (Client)			18:19	
ZZZZZZ (Client)			18:21	
ZZZZZZ			18:23	
ZZZZZZ			18:25	
ZZZZZZ (QC)			18:27	
ZZZZZZ (QC)			18:29	
CCV 410-680850/11-A			18:31	

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: M10 - 31820 Analysis Method: 7470A

Start Date: 08/12/2025 15:53 End Date: 08/12/2025 21:25

Lab Sample Id	D/F	Type	Time	Analytes
				Hg
CCB 410-680850/10-A			18:33	
ZZZZZZ (Client)			18:35	
ZZZZZZ (QC)			18:37	
ZZZZZZ (QC)			18:38	
ZZZZZZ (QC)			18:40	
ZZZZZZ (Client)			18:42	
ZZZZZZ (Client)			18:44	
ZZZZZZ (Client)			18:46	
ZZZZZZ (Client)			18:48	
ZZZZZZ (Client)			18:50	
ZZZZZZ (Client)			18:52	
CCV 410-680850/11-A			18:54	
CCB 410-680850/10-A			18:55	
ZZZZZZ (Client)			18:57	
ZZZZZZ (Client)			18:59	
ZZZZZZ (Client)			19:01	
ZZZZZZ (Client)			19:03	
ZZZZZZ (Client)			19:05	
ZZZZZZ (Client)			19:07	
ZZZZZZ (Client)			19:09	
ZZZZZZ (Client)			19:11	
ZZZZZZ (Client)			19:12	
ZZZZZZ (Client)			19:14	
CCV 410-680850/11-A	1		19:16	X
CCB 410-680850/10-A	1		19:18	X
ZZZZZZ (QC)			19:20	
ZZZZZZ (Client)			19:22	
ZZZZZZ (Client)			19:24	
ZZZZZZ (Client)			19:26	
ZZZZZZ (Client)			19:28	
MB 410-682634/1-A	1	T	19:29	X
LCS 410-682634/2-A	1	T	19:31	X
410-234898-4	1	T	19:33	X
410-234898-4 DU	1	T	19:35	X
410-234898-4 MS	1	T	19:37	X
CCV 410-680850/11-A	1		19:39	X
CCB 410-680850/10-A	1		19:41	X
410-234898-4 MSD	1	T	19:43	X
ZZZZZZ (Client)			19:45	
ZZZZZZ (Client)			19:47	
ZZZZZZ (Client)			19:48	

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: M10 - 31820 Analysis Method: 7470A

Start Date: 08/12/2025 15:53 End Date: 08/12/2025 21:25

Lab Sample Id	D/F	Type	Time	Analytes
				Hg
ZZZZZZ (Client)			19:50	
ZZZZZZ (Client)			19:52	
ZZZZZZ (Client)			19:54	
ZZZZZZ (Client)			19:56	
ZZZZZZ (Client)			19:58	
ZZZZZZ (Client)			20:00	
CCV 410-680850/11-A	1		20:02	X
CCB 410-680850/10-A	1		20:04	X
410-234898-3	1	T	20:06	X
ZZZZZZ (Client)			20:07	
ZZZZZZ (Client)			20:09	
410-234898-1	1	T	20:11	X
ZZZZZZ (Client)			20:13	
410-234898-2	1	T	20:15	X
ZZZZZZ (Client)			20:17	
ZZZZZZ (Client)			20:19	
ZZZZZZ (Client)			20:21	
ZZZZZZ (Client)			20:23	
CCV 410-680850/11-A	1		20:25	X
CCB 410-680850/10-A	1		20:26	X
ZZZZZZ (QC)			20:28	
ZZZZZZ (QC)			20:30	
ZZZZZZ (Client)			20:32	
ZZZZZZ (QC)			20:34	
ZZZZZZ (QC)			20:36	
ZZZZZZ (QC)			20:38	
ZZZZZZ (Client)			20:40	
ZZZZZZ (Client)			20:42	
ZZZZZZ (Client)			20:44	
ZZZZZZ (Client)			20:46	
CCV 410-680850/11-A			20:47	
CCB 410-680850/10-A			20:49	
ZZZZZZ (Client)			20:51	
ZZZZZZ (Client)			20:53	
ZZZZZZ (Client)			20:55	
ZZZZZZ (Client)			20:57	
ZZZZZZ (Client)			20:59	
ZZZZZZ (Client)			21:01	
ZZZZZZ (Client)			21:03	
ZZZZZZ (Client)			21:05	
ZZZZZZ (Client)			21:06	

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: M10 - 31820 Analysis Method: 7470A

Start Date: 08/12/2025 15:53 End Date: 08/12/2025 21:25

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
ZZZZZZ (Client)			21:08																									
CCV 410-680850/11-A			21:10																									
CCB 410-680850/10-A			21:12																									
ZZZZZZ (Client)			21:14																									
ZZZZZZ (Client)			21:16																									
ZZZZZZ (Client)			21:18																									
ZZZZZZ (Client)			21:20																									
ZZZZZZ (Client)			21:22																									
CCV 410-680850/11-A			21:23																									
CCB 410-680850/10-A			21:25																									

Prep Types:
T = Total/NA

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: M10 - 31820 Analysis Method: 7470A

Start Date: 08/16/2025 14:23 End Date: 08/16/2025 15:44

Lab Sample Id	D/F	Type	Time	Analytes																										
				Hg																										
IC 410-685010/1-A			14:23	X																										
IC 410-685010/2-A			14:24	X																										
IC 410-685010/3-A			14:26	X																										
IC 410-685010/4-A			14:28	X																										
IC 410-685010/5-A			14:30	X																										
IC 410-685010/6-A			14:32	X																										
ZZZZZZ			14:34																											
ZZZZZZ			14:36																											
ICV 410-685010/7-A	0		14:38	X																										
ICB 410-685010/9-A	1		14:40	X																										
CRA 410-685010/8-A	1		14:42	X																										
CCV 410-685010/11-A	1		14:44	X																										
CCB 410-685010/10-A	1		14:46	X																										
MB 410-682638/1-A	1	T	14:48	X																										
LCS 410-682638/2-A	1	T	14:50	X																										
ZZZZZZ (Client)			14:52																											
ZZZZZZ (QC)			14:53																											
ZZZZZZ (QC)			14:55																											
ZZZZZZ (QC)			14:57																											
ZZZZZZ (Client)			14:59																											
ZZZZZZ (Client)			15:01																											
ZZZZZZ (Client)			15:03																											
ZZZZZZ (Client)			15:05																											
CCV 410-685010/11-A	1		15:07	X																										
CCB 410-685010/10-A	1		15:09	X																										
ZZZZZZ (Client)			15:10																											
ZZZZZZ (Client)			15:12																											
ZZZZZZ (Client)			15:14																											
ZZZZZZ (Client)			15:16																											
ZZZZZZ (Client)			15:18																											
ZZZZZZ (Client)			15:20																											
ZZZZZZ (Client)			15:22																											
ZZZZZZ (Client)			15:24																											
ZZZZZZ (Client)			15:26																											
ZZZZZZ (Client)			15:27																											
CCV 410-685010/11-A	1		15:29	X																										
CCB 410-685010/10-A	1		15:31	X																										
410-234898-6	1	T	15:33	X																										
ZZZZZZ (Client)			15:35																											
410-234898-5	1	T	15:37	X																										
ZZZZZZ (Client)			15:39																											

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: M10 - 31820 Analysis Method: 7470A

Start Date: 08/16/2025 14:23 End Date: 08/16/2025 15:44

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
ZZZZZZ (Client)			15:41																									
CCV 410-685010/11-A	1		15:43	X																								
CCB 410-685010/10-A	1		15:44	X																								

Prep Types:
T = Total/NA

FORM XIII-IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.: Analysis Batch No.: 685231

ICP-MS Instrument ID: E07 - 27813 Start Date: 08/13/2025 End Date: 08/13/2025

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Sc-45/1	Q	Element Sc-45/2	Q	Element Sc-45/3	Q	Element Ge/1	Q	Element Ge/2	Q
STD1 410-685231/2	09:12	100		100		101		100		99	
IC ICV 410-685231/3	09:22	100		105		107		99		102	
ICB 410-685231/4	09:29	101		101		98		102		99	
CRI 410-685231/5	09:32	101		102		98		102		103	
ICSA 410-685231/6	10:23	96		100		99		100		101	
ICSAB 410-685231/7	10:25	97		98		98		101		98	
LRC 410-685231/8	10:27	102		101		108		98		96	
CCV 410-685231/9	17:00	99		100		99		96		96	
CCB 410-685231/10	17:04	100		98		98		100		97	
MB 410-681233/1-A	17:09	102		102		102		98		96	
LCS 410-681233/2-A	17:19	103		106		107		104		105	
CCV 410-685231/19	17:28	99		104		101		97		99	
CCB 410-685231/20	17:48	98		99		99		99		98	
CCV 410-685231/46	18:57	99		101		98		97		98	
CCB 410-685231/47	19:01	98		100		99		98		101	
410-234898-4	19:03	101		103		102		102		105	
410-234898-4 DU	19:05	100		100		99		102		103	
410-234898-4 MS	19:08	100		103		106		101		105	
410-234898-4 MSD	19:10	101		103		109		101		105	
410-234898-3	19:12	99		102		106		100		104	
410-234898-1	19:16	100		101		100		100		102	
410-234898-2	19:18	100		105		106		101		107	
CCV 410-685231/56	19:22	97		101		103		95		99	
CCB 410-685231/57	19:26	98		98		101		97		99	
410-234898-6	19:33	100		106		105		98		104	
410-234898-5	19:37	100		104		104		100		106	
CCV 410-685231/66	19:47	98		105		106		95		102	
CCB 410-685231/67	19:52	96		101		107		96		101	
IS Name on Instrument											

15A-IN
ICP-MS INTERNAL STANDARDS RELATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.: Analysis Batch No.: 685231

ICP-MS Instrument ID: E07 - 27813 Start Date: 08/13/2025 End Date: 08/13/2025

Analyte	Mass	Internal Standard Used:				
		Element In-115/2 115	Element In-115/3 115	Element Tb-159 159	Element Bi-209 209	Element Sc-45/1 45
Antimony	121		X			
Arsenic	75					
Barium	137		X			
Beryllium	9					X
Cadmium	111		X			
Chromium	52					
Cobalt	59					
Copper	63		X			
Lead	208				X	
Nickel	60		X			
Selenium	78					
Silver	107		X			
Thallium	205				X	
Zinc	66					
Vanadium	51					
Aluminum	27					
Calcium	44					
Iron	57					
Magnesium	24					
Manganese	55					
Molybdenum	98					
Potassium	39					
Sodium	23					
Strontium	88					
Tin	120		X			
Titanium	47					
Uranium	238				X	
Internal Standard Name on Instrument		In-115 (IS)	In-115 (IS)	Tb-159 (IS)	Bi-209 (IS)	Sc-45 (IS)

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.: Analysis Batch No.: 685231

ICP-MS Instrument ID: E07 - 27813 Start Date: 08/13/2025 End Date: 08/13/2025

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Ge/3	Q	Element In-115/2	Q	Element In-115/3	Q	Element Tb-159	Q	Element Bi-209	Q
STD1 410-685231/2	09:12	101		99		101		102		102	
IC ICV 410-685231/3	09:22	105		105		107		110		108	
ICB 410-685231/4	09:29	98		101		97		99		99	
CRI 410-685231/5	09:32	101		102		100		100		99	
ICSA 410-685231/6	10:23	101		95		93		99		94	
ICSAB 410-685231/7	10:25	99		93		94		98		92	
LRC 410-685231/8	10:27	98		122		96		99		92	
CCV 410-685231/9	17:00	97		98		98		104		103	
CCB 410-685231/10	17:04	97		98		97		101		102	
MB 410-681233/1-A	17:09	97		99		102		105		106	
LCS 410-681233/2-A	17:19	106		105		105		108		108	
CCV 410-685231/19	17:28	98		103		101		105		104	
CCB 410-685231/20	17:48	99		97		98		101		101	
CCV 410-685231/46	18:57	95		101		98		101		99	
CCB 410-685231/47	19:01	99		100		102		102		101	
410-234898-4	19:03	103		102		102		105		103	
410-234898-4 DU	19:05	100		100		99		102		100	
410-234898-4 MS	19:08	105		102		103		105		104	
410-234898-4 MSD	19:10	109		103		107		109		107	
410-234898-3	19:12	107		101		106		108		106	
410-234898-1	19:16	99		100		100		102		101	
410-234898-2	19:18	109		105		109		107		107	
CCV 410-685231/56	19:22	102		102		104		106		105	
CCB 410-685231/57	19:26	99		98		101		102		103	
410-234898-6	19:33	103		104		105		106		105	
410-234898-5	19:37	104		104		105		106		106	
CCV 410-685231/66	19:47	104		106		108		109		107	
CCB 410-685231/67	19:52	101		103		104		105		104	
IS Name on Instrument											

15A-IN
ICP-MS INTERNAL STANDARDS RELATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.: Analysis Batch No.: 685231

ICP-MS Instrument ID: E07 - 27813 Start Date: 08/13/2025 End Date: 08/13/2025

Analyte	Mass	Internal Standard Used:				
		Element Sc-45/2 45	Element Sc-45/3 45	Element Ge/1 72	Element Ge/2 72	Element Ge/3 72
Antimony	121					
Arsenic	75					X
Barium	137					
Beryllium	9					
Cadmium	111					
Chromium	52					X
Cobalt	59					X
Copper	63					
Lead	208					
Nickel	60					
Selenium	78				X	
Silver	107					
Thallium	205					
Zinc	66					X
Vanadium	51		X			
Aluminum	27		X			
Calcium	44		X			
Iron	57		X			
Magnesium	24		X			
Manganese	55		X			
Molybdenum	98					X
Potassium	39		X			
Sodium	23		X			
Strontium	88					X
Tin	120					
Titanium	47		X			
Uranium	238					
Internal Standard Name on Instrument		Sc-45 (IS)	Sc-45 (IS)	Ge Internal Standard	Ge Internal Standard	Ge Internal Standard

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.: Analysis Batch No.: 684622

ICP-MS Instrument ID: E10 Start Date: 08/12/2025 End Date: 08/13/2025

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Sc-45/1	Q	Element Sc-45/2	Q	Element Sc-45/3	Q	Element Ge/1	Q	Element Ge/2	Q
STD1 410-684622/2	17:57	100		99		102		100		99	
IC ICV 410-684622/3	17:59	99		100		100		99		100	
ICB 410-684622/4	18:03	99		100		98		99		100	
CRI 410-684622/5	18:07	99		98		102		100		100	
ICSA 410-684622/6	18:23	98		96		100		101		97	
ICSAB 410-684622/7	18:25	100		100		103		103		101	
LRC 410-684622/8	18:27	108		101		111		100		99	
CCB 410-684622/9	18:55	98		97		97		98		98	
CCV 410-684622/10	19:01	99		98		99		98		98	
MB 410-681233/1-A	19:14	99		97		99		98		98	
LCS 410-681233/2-A	19:16	100		99		100		100		100	
CCV 410-684622/18	19:30	97		98		99		97		97	
CCB 410-684622/19	19:34	97		97		100		97		95	
CCV 410-684622/101	23:14	97		95		94		97		92	
CCB 410-684622/102	23:18	97		96		95		98		94	
410-234898-4	23:20	99		95		98		100		93	
410-234898-4 DU	23:22	99		95		95		99		96	
410-234898-4 MS	23:24	99		94		96		98		97	
410-234898-4 MSD	23:26	99		94		100		99		97	
410-234898-3	23:28	99		96		99		99		96	
410-234898-1	23:32	97		95		96		98		94	
410-234898-2	23:34	98		97		96		99		96	
CCV 410-684622/113	23:42	96		92		92		96		91	
CCB 410-684622/114	23:46	95		95		93		96		94	
410-234898-6	23:48	98		95		98		99		97	
410-234898-5	23:52	97		93		96		97		96	
CCV 410-684622/119	23:58	94		93		95		94		93	
CCB 410-684622/120	00:03	93		92		92		94		93	
IS Name on Instrument											

15A-IN
ICP-MS INTERNAL STANDARDS RELATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.: Analysis Batch No.: 684622

ICP-MS Instrument ID: E10 Start Date: 08/12/2025 End Date: 08/13/2025

Analyte	Mass	Internal Standard Used:				
		Element In-115/2 115	Element In-115/3 115	Element Tb-159 159	Element Bi-209 209	Element Sc-45/1 45
Antimony	121			X		
Arsenic	75					
Barium	137			X		
Beryllium	9					X
Cadmium	111			X		
Chromium	52					
Cobalt	59					
Copper	63					
Lead	208			X		
Nickel	60					
Selenium	78					
Silver	107			X		
Thallium	205			X		
Zinc	66					
Vanadium	51					
Aluminum	27					
Calcium	44					
Iron	57					
Magnesium	24					
Manganese	55					
Molybdenum	98			X		
Potassium	39					
Sodium	23					
Strontium	88			X		
Tin	120			X		
Titanium	47			X		
Uranium	238				X	
Internal Standard Name on Instrument		In-115 (IS)	In-115 (IS)	Tb-159 (IS)	Bi-209 (IS)	Sc-45 (IS)

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.: Analysis Batch No.: 684622

ICP-MS Instrument ID: E10 Start Date: 08/12/2025 End Date: 08/13/2025

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Ge/3	Q	Element In-115/2	Q	Element In-115/3	Q	Element Tb-159	Q	Element Bi-209	Q
STD1 410-684622/2	17:57	98		100		100		101		102	
IC ICV 410-684622/3	17:59	99		102		101		101		101	
ICB 410-684622/4	18:03	99		99		98		100		101	
CRI 410-684622/5	18:07	100		100		98		100		102	
ICSA 410-684622/6	18:23	97		93		97		98		94	
ICSAB 410-684622/7	18:25	100		94		98		100		94	
LRC 410-684622/8	18:27	98				130		100		94	
CCB 410-684622/9	18:55	97		98		99		101		101	
CCV 410-684622/10	19:01	98		99		99		101		101	
MB 410-681233/1-A	19:14	97		99		98		100		102	
LCS 410-681233/2-A	19:16	99		102		99		99		100	
CCV 410-684622/18	19:30	98		100		99		100		101	
CCB 410-684622/19	19:34	97		98		96		100		100	
CCV 410-684622/101	23:14	97		99		98		99		101	
CCB 410-684622/102	23:18	98		99		100		98		101	
410-234898-4	23:20	99		97		98		101		101	
410-234898-4 DU	23:22	99		96		97		99		100	
410-234898-4 MS	23:24	97		98		100		101		99	
410-234898-4 MSD	23:26	98		98		99		101		100	
410-234898-3	23:28	97		97		97		100		100	
410-234898-1	23:32	96		96		97		100		100	
410-234898-2	23:34	98		98		97		100		101	
CCV 410-684622/113	23:42	96		97		97		98		99	
CCB 410-684622/114	23:46	95		96		97		97		99	
410-234898-6	23:48	97		99		99		99		99	
410-234898-5	23:52	95		95		96		97		98	
CCV 410-684622/119	23:58	92		97		96		99		99	
CCB 410-684622/120	00:03	94		96		96		97		100	
IS Name on Instrument											

15A-IN
ICP-MS INTERNAL STANDARDS RELATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.: Analysis Batch No.: 684622

ICP-MS Instrument ID: E10 Start Date: 08/12/2025 End Date: 08/13/2025

Analyte	Mass	Internal Standard Used:				
		Element Sc-45/2 45	Element Sc-45/3 45	Element Ge/1 72	Element Ge/2 72	Element Ge/3 72
Antimony	121					
Arsenic	75		X			
Barium	137					
Beryllium	9					
Cadmium	111					
Chromium	52		X			
Cobalt	59					X
Copper	63					X
Lead	208					
Nickel	60					X
Selenium	78				X	
Silver	107					
Thallium	205					
Zinc	66					X
Vanadium	51					X
Aluminum	27					X
Calcium	44					X
Iron	57					X
Magnesium	24					X
Manganese	55		X			
Molybdenum	98					
Potassium	39					X
Sodium	23					X
Strontium	88					
Tin	120					
Titanium	47					
Uranium	238					
Internal Standard Name on Instrument		Sc-45 (IS)	Sc-45 (IS)	Ge Internal Standard	Ge Internal Standard	Ge Internal Standard

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 681233 Batch Start Date: 08/11/25 04:22 Batch Analyst: Mertz, James

Batch Method: 3005A Batch End Date: 08/11/25 08:00

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	MP_1:1HCl 00053	MP_1:1HNO3 00088	MT_LCS-SPK-A 00055	MT_LCS-SPK-B 00055
MB 410-681233/1		3005A, 6020B			50 mL	50 mL	5 mL	2 mL		
LCS 410-681233/2		3005A, 6020B			50 mL	50 mL	5 mL	2 mL	0.2 mL	0.2 mL
410-234898-K-4	16WC1A	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL		
410-234898-B-4 DU	16WC1ALR	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL		
410-234898-K-4 MS	16WC1AMS	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL	0.2 mL	0.2 mL
410-234898-K-4 MSD	16WC1AMSD	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL	0.2 mL	0.2 mL
410-234898-M-3	16MW9	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL		
410-234898-M-1	16C1	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL		
410-234898-K-2	16MW8	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL		
410-234898-K-6	16WC1B	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL		
410-234898-K-5	16WDUP	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL		

Batch Notes	
Digestion Tube/Cup ID	24061004
Pipette/Syringe/Dispenser ID	G20054G
Pipette Tip Lot ID	M211419J
Digestion Unit ID	16
Thermometer ID	3917
Temperature - Uncorrected - Start	95 Degrees C
Temperature - Corrected - Start	95 Degrees C
Temperature - Uncorrected - End	95 Degrees C
Temperature - Corrected - End	95 Degrees C

Basis	Basis Description
R	Total Recoverable

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 680850 Batch Start Date: 08/05/25 09:53 Batch Analyst: Ruf, Skyler

Batch Method: 7470A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Hg_0.1Control 00280	Hg_1Cal 00267	Hg_1Control 00267	Hg_5%KMnO4 00578
ICV 410-680850/7		7470A, 7470A			100 mL	100 mL			0.25 mL	15 mL
CRA 410-680850/8		7470A, 7470A			100 mL	100 mL	0.2 mL			15 mL
ICB 410-680850/9		7470A, 7470A			100 mL	100 mL				15 mL
CCB 410-680850/10		7470A, 7470A			100 mL	100 mL				15 mL
CCV 410-680850/11		7470A, 7470A			100 mL	100 mL		0.1 mL		15 mL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MP_5K2S2O8 00155	MP_NaClHNO 00378	MT_HNO3_FI 00021	MT_SULF_FI 00026		
ICV 410-680850/7		7470A, 7470A			8 mL	6 mL	2.5 mL	5 mL		
CRA 410-680850/8		7470A, 7470A			8 mL	6 mL	2.5 mL	5 mL		
ICB 410-680850/9		7470A, 7470A			8 mL	6 mL	2.5 mL	5 mL		
CCB 410-680850/10		7470A, 7470A			8 mL	6 mL	2.5 mL	5 mL		
CCV 410-680850/11		7470A, 7470A			8 mL	6 mL	2.5 mL	5 mL		

Batch Notes	
Pipette/Syringe/Dispenser ID	UU08850, UU37982 H22813L KU08130 JUO8391
Digestion Unit ID	4
Thermometer ID	3917
Temperature - Uncorrected - Start	96 Degrees C
Temperature - Corrected - Start	95 Degrees C
Temperature - Uncorrected - End	96 Degrees C
Temperature - Corrected - End	95 Degrees C
Pipette Tip Lot ID	L207589P, L203624K

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 680850 Batch Start Date: 08/05/25 09:53 Batch Analyst: Ruf, Skyler

Batch Method: 7470A Batch End Date:

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 682634 Batch Start Date: 08/12/25 05:25 Batch Analyst: Mertz, James

Batch Method: 7470A Batch End Date: 08/12/25 07:25

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Hg_5%KMnO4 00572	MP_40Hg_IV 00262	MP_5K2S2O8 00156	MP_NaClHNO 00381
MB 410-682634/1		7470A, 7470A			20 mL	20 mL	3 mL		1.6 mL	1.2 mL
LCS 410-682634/2		7470A, 7470A			20 mL	20 mL	3 mL	0.5 mL	1.6 mL	1.2 mL
410-234898-L-4	16WC1A	7470A, 7470A	Water	T	20 mL	20 mL	3 mL		1.6 mL	1.2 mL
410-234898-C-4 DU	16WC1ALR	7470A, 7470A	Water	T	20 mL	20 mL	3 mL		1.6 mL	1.2 mL
410-234898-L-4 MS	16WC1AMS	7470A, 7470A	Water	T	20 mL	20 mL	3 mL	0.5 mL	1.6 mL	1.2 mL
410-234898-L-4 MSD	16WC1AMSD	7470A, 7470A	Water	T	20 mL	20 mL	3 mL	0.5 mL	1.6 mL	1.2 mL
410-234898-N-3	16MW9	7470A, 7470A	Water	T	20 mL	20 mL	3 mL		1.6 mL	1.2 mL
410-234898-N-1	16C1	7470A, 7470A	Water	T	20 mL	20 mL	3 mL		1.6 mL	1.2 mL
410-234898-L-2	16MW8	7470A, 7470A	Water	T	20 mL	20 mL	3 mL		1.6 mL	1.2 mL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MT_HNO3_FI 00021	MT_SULF_FI 00026				
MB 410-682634/1		7470A, 7470A			0.5 mL	1 mL				
LCS 410-682634/2		7470A, 7470A			0.5 mL	1 mL				
410-234898-L-4	16WC1A	7470A, 7470A	Water	T	0.5 mL	1 mL				
410-234898-C-4 DU	16WC1ALR	7470A, 7470A	Water	T	0.5 mL	1 mL				
410-234898-L-4 MS	16WC1AMS	7470A, 7470A	Water	T	0.5 mL	1 mL				
410-234898-L-4 MSD	16WC1AMSD	7470A, 7470A	Water	T	0.5 mL	1 mL				
410-234898-N-3	16MW9	7470A, 7470A	Water	T	0.5 mL	1 mL				
410-234898-N-1	16C1	7470A, 7470A	Water	T	0.5 mL	1 mL				
410-234898-L-2	16MW8	7470A, 7470A	Water	T	0.5 mL	1 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 682634 Batch Start Date: 08/12/25 05:25 Batch Analyst: Mertz, James

Batch Method: 7470A Batch End Date: 08/12/25 07:25

Batch Notes	
Digestion Tube/Cup ID	24061004
Pipette/Syringe/Dispenser ID	G20054G
Digestion Unit ID	11
Thermometer ID	3993
Temperature - Uncorrected - Start	96 Degrees C
Temperature - Corrected - Start	95 Degrees C
Temperature - Uncorrected - End	96 Degrees C
Temperature - Corrected - End	95 Degrees C
Reflux Cap ID	23120109
Pipette Tip Lot ID	m211419j

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 682638 Batch Start Date: 08/12/25 10:26 Batch Analyst: Oxendine, Aniyah

Batch Method: 7470A Batch End Date: 08/12/25 12:26

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Hg_5%KMnO4 00553	MP_40Hg_IV 00262	MP_5K2S2O8 00152	MP_NaClHNO 00370
MB 410-682638/1		7470A, 7470A			20 mL	20 mL	3 mL		1.6 mL	1.2 mL
LCS 410-682638/2		7470A, 7470A			20 mL	20 mL	3 mL	0.5 mL	1.6 mL	1.2 mL
410-234898-L-6	16WC1B	7470A, 7470A	Water	T	20 mL	20 mL	3 mL		1.6 mL	1.2 mL
410-234898-L-5	16WDUP	7470A, 7470A	Water	T	20 mL	20 mL	3 mL		1.6 mL	1.2 mL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MT_HNO3_FI 00018	MT_SULF_FI 00022				
MB 410-682638/1		7470A, 7470A			0.5 mL	1 mL				
LCS 410-682638/2		7470A, 7470A			0.5 mL	1 mL				
410-234898-L-6	16WC1B	7470A, 7470A	Water	T	0.5 mL	1 mL				
410-234898-L-5	16WDUP	7470A, 7470A	Water	T	0.5 mL	1 mL				

Batch Notes	
Digestion Tube/Cup ID	LV24010607
Pipette/Syringe/Dispenser ID	G20054G
Digestion Unit ID	10
Thermometer ID	3943
Temperature - Uncorrected - Start	96 Degrees C
Temperature - Corrected - Start	95 Degrees C
Digestion Start Time	10:26
Digestion End Time	12:26
Temperature - Uncorrected - End	96 Degrees C
Temperature - Corrected - End	95 Degrees C
Reflux Cap ID	2307074
Pipette Tip Lot ID	L208595R

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 685010 Batch Start Date: 08/13/25 14:31 Batch Analyst: Ruf, Skyler

Batch Method: 7470A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Hg_0.1Control 00281	Hg_1Cal 00268	Hg_1Control 00268	Hg_5%KMnO4 00590
ICV 410-685010/7		7470A, 7470A			100 mL	100 mL			0.25 mL	15 mL
CRA 410-685010/8		7470A, 7470A			100 mL	100 mL	0.2 mL			15 mL
ICB 410-685010/9		7470A, 7470A			100 mL	100 mL				15 mL
CCB 410-685010/10		7470A, 7470A			100 mL	100 mL				15 mL
CCV 410-685010/11		7470A, 7470A			100 mL	100 mL		0.1 mL		15 mL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MP_5K2S2O8 00156	MP_NaClHNO 00380	MT_HNO3_FI 00021	MT_SULF_FI 00026		
ICV 410-685010/7		7470A, 7470A			8 mL	6 mL	2.5 mL	5 mL		
CRA 410-685010/8		7470A, 7470A			8 mL	6 mL	2.5 mL	5 mL		
ICB 410-685010/9		7470A, 7470A			8 mL	6 mL	2.5 mL	5 mL		
CCB 410-685010/10		7470A, 7470A			8 mL	6 mL	2.5 mL	5 mL		
CCV 410-685010/11		7470A, 7470A			8 mL	6 mL	2.5 mL	5 mL		

Batch Notes	
Pipette/Syringe/Dispenser ID	UU08850, UU37982 H22813L KU08130 JUO8391
Digestion Unit ID	4
Thermometer ID	3917
Temperature - Uncorrected - Start	96 Degrees C
Temperature - Corrected - Start	95 Degrees C
Temperature - Uncorrected - End	96 Degrees C
Temperature - Corrected - End	95 Degrees C
Pipette Tip Lot ID	L207589P, L203624K

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 685010 Batch Start Date: 08/13/25 14:31 Batch Analyst: Ruf, Skyler

Batch Method: 7470A Batch End Date:

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Quantitation Report

Data File Name	015CALB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 09:10:32
Sample Name	ICIS 8061842
Sample Type	CalBlk
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

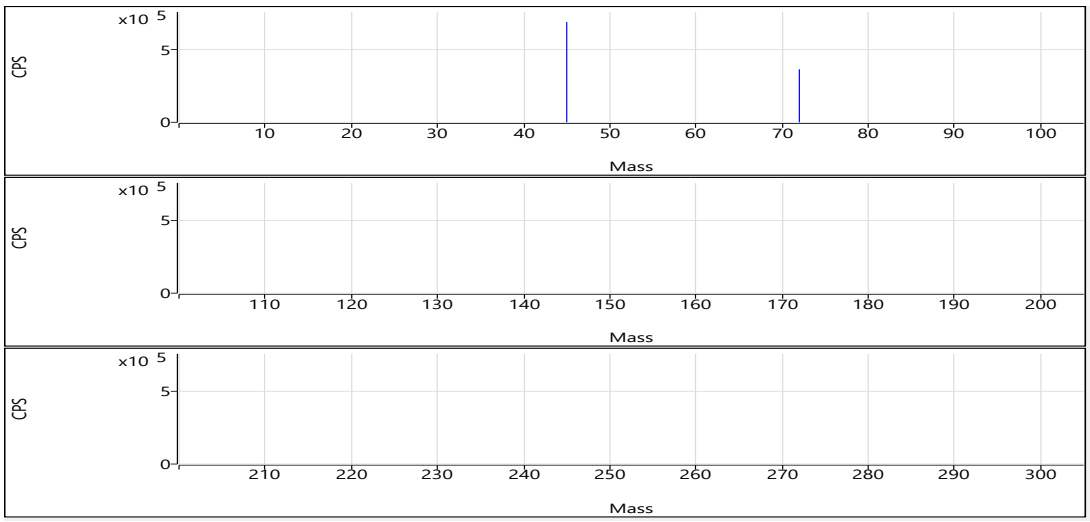
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.000	ppb	N/A	23.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.000	ppb	N/A	7.55	0.0000	Pulse	1.5000	3
Na	23	45	He	0.000	ppb	N/A	14901.19	0.2670	Pulse	0.1000	3
Mg	24	45	He	0.000	ppb	N/A	603.37	0.0108	Pulse	0.1000	3
Al	27	45	He	0.000	ppb	N/A	146.67	0.0026	Pulse	0.1000	3
K	39	45	He	0.000	ppb	N/A	28551.73	0.5115	Pulse	0.1000	3
Ca	44	45	He	0.000	ppb	N/A	250.01	0.0045	Pulse	0.1000	3
Ti	47	45	He	0.000	ppb	N/A	3.33	0.0001	Pulse	0.1000	3
V	51	45	He	0.000	ppb	N/A	938.04	0.0168	Pulse	0.5000	3
Cr	52	72	He	0.000	ppb	N/A	1993.55	0.0223	Pulse	0.1000	3
Mn	55	45	He	0.000	ppb	N/A	253.34	0.0045	Pulse	0.1000	3
Fe	57	45	He	0.000	ppb	N/A	240.01	0.0043	Pulse	0.1000	3
Co	59	72	He	0.000	ppb	N/A	183.34	0.0020	Pulse	0.1000	3
Ni	60	115	He	0.000	ppb	N/A	1116.75	0.0147	Pulse	0.1000	3
Cu	63	115	He	0.000	ppb	N/A	246.68	0.0032	Pulse	0.1000	3
Zn	66	72	He	0.000	ppb	N/A	90.00	0.0010	Pulse	0.1000	3
As	75	72	He	0.000	ppb	N/A	58.67	0.0007	Pulse	0.5000	3
Sr	88	72	He	0.000	ppb	N/A	296.68	0.0033	Pulse	0.1000	3
Mo	98	72	He	0.000	ppb	N/A	53.33	0.0006	Pulse	0.1000	3
Ag	107	115	He	0.000	ppb	N/A	33.33	0.0004	Pulse	0.1000	3
Cd	111	115	He	0.000	ppb	N/A	2.00	0.0000	Pulse	0.5000	3
Sn	120	115	He	0.000	ppb	N/A	4310.82	0.0568	Pulse	0.1000	3
Sb	121	115	He	0.000	ppb	N/A	23.33	0.0003	Pulse	0.1000	3
Ba	137	115	He	0.000	ppb	N/A	93.33	0.0012	Pulse	0.1000	3
Tl	205	209	He	0.000	ppb	N/A	70.00	0.0005	Pulse	0.1000	3
Pb	208	209	He	0.000	ppb	N/A	293.34	0.0021	Pulse	0.1000	3
U	238	209	He	0.000	ppb	N/A	116.67	0.0008	Pulse	0.1000	3

ISTD Table:

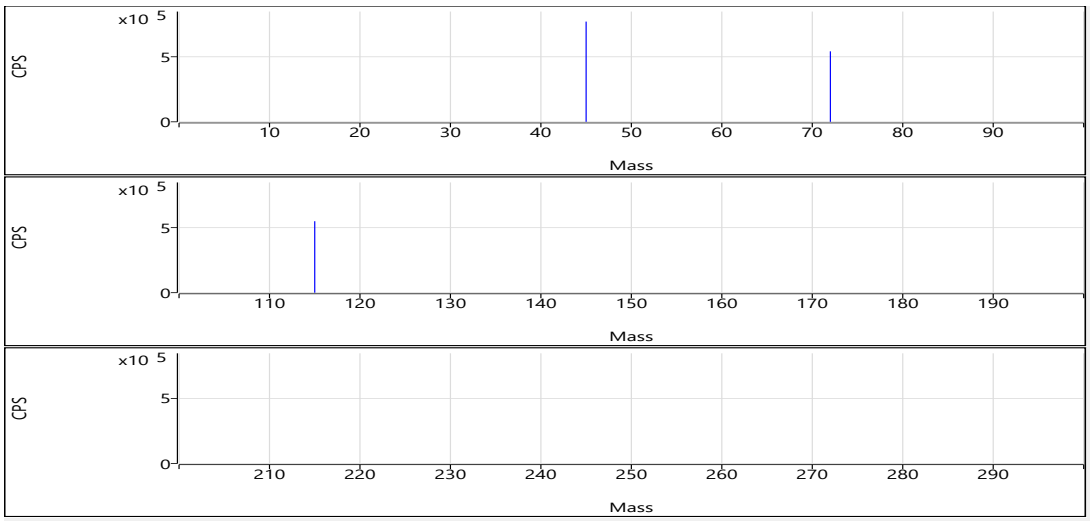
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	683614.44	0.7	100.0	Pulse	0.1000	3
No Gas	Ge	72	361701.57	0.9	100.0	Pulse	0.1000	3
H2	Sc	45	773530.87	1.3	100.0	Pulse	0.1000	3
H2	Ge	72	543983.31	0.7	100.0	Pulse	0.1000	3
H2	In	115	551552.92	1.3	100.0	Pulse	0.1000	3
He	Sc	45	55816.79	0.4	100.0	Pulse	0.1000	3
He	Ge	72	89313.17	1.7	100.0	Pulse	0.1000	3
He	In	115	75936.22	1.0	100.0	Pulse	0.1000	3
He	Tb	159	219790.26	0.5	100.0	Pulse	0.1000	3
He	Bi	209	137762.05	1.8	100.0	Pulse	0.1000	3

No Gas

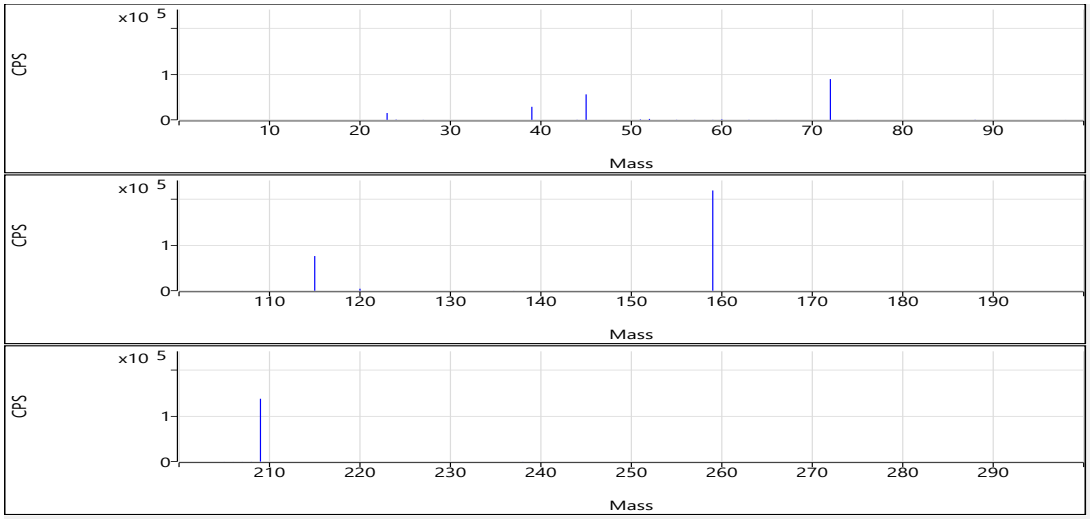


H2



Quantitation Report

He



Quantitation Report

Data File Name	016CALS.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 09:12:50
Sample Name	STD1 8205362
Sample Type	CalStd
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

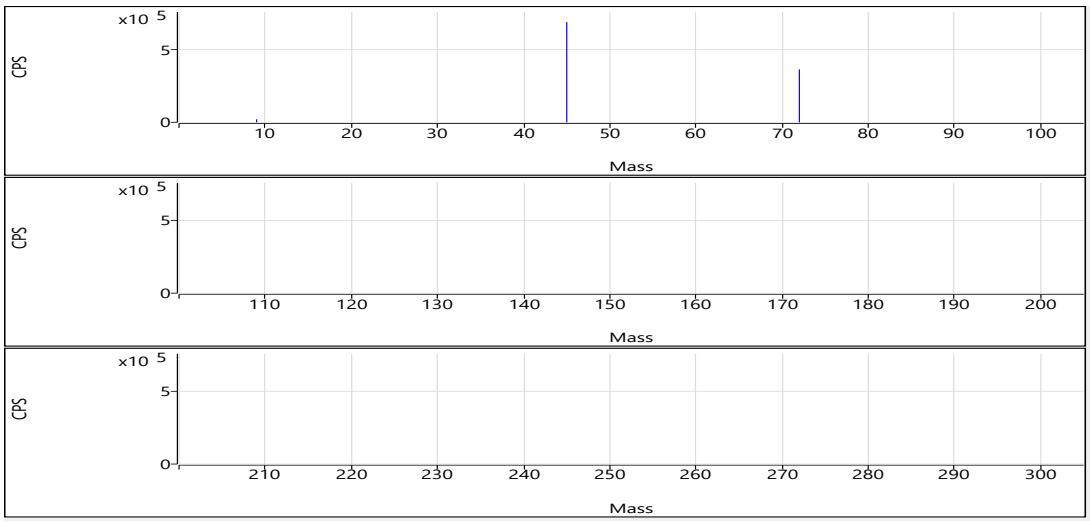
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	100.000	ppb	2.7	20582.15	0.0300	Pulse	0.5000	3
Se	78	72	H2	100.000	ppb	1.0	21255.39	0.0396	Pulse	1.5000	3
Na	23	45	He	10000.000	ppb	0.8	2224682.47	39.4322	Pulse	0.1000	3
Mg	24	45	He	10000.000	ppb	1.0	1123781.23	19.9188	Pulse	0.1000	3
Al	27	45	He	10000.000	ppb	0.5	395475.65	7.0097	Pulse	0.1000	3
K	39	45	He	10000.000	ppb	0.4	1078636.18	19.1185	Pulse	0.1000	3
Ca	44	45	He	10000.000	ppb	1.4	55947.79	0.9916	Pulse	0.1000	3
Ti	47	45	He	10000.000	ppb	0.6	388477.81	6.8855	Pulse	0.1000	3
V	51	45	He	1000.000	ppb	0.8	1479886.79	26.2308	Pulse	0.5000	3
Cr	52	72	He	1000.000	ppb	2.0	1810557.01	20.0043	Pulse	0.1000	3
Mn	55	45	He	1000.000	ppb	0.8	879819.96	15.5946	Pulse	0.1000	3
Fe	57	45	He	10000.000	ppb	0.2	354073.59	6.2757	Pulse	0.1000	3
Co	59	72	He	1000.000	ppb	1.3	3235133.60	35.7419	Pulse	0.1000	3
Ni	60	115	He	1000.000	ppb	0.6	891704.62	11.6453	Pulse	0.1000	3
Cu	63	115	He	1000.000	ppb	0.3	2459934.18	32.1262	Pulse	0.1000	3
Zn	66	72	He	1000.000	ppb	0.9	292348.68	3.2298	Pulse	0.1000	3
As	75	72	He	1000.000	ppb	1.2	227051.86	2.5084	Pulse	0.5000	3
Sr	88	72	He	100.000	ppb	0.5	120111.38	1.3269	Pulse	0.1000	3
Mo	98	72	He	100.000	ppb	0.3	185982.98	2.0546	Pulse	0.1000	3
Ag	107	115	He	100.000	ppb	1.1	354914.25	4.6354	Pulse	0.1000	3
Cd	111	115	He	100.000	ppb	0.5	44726.09	0.5841	Pulse	0.5000	3
Sn	120	115	He	100.000	ppb	0.4	150953.61	1.9714	Pulse	0.1000	3
Sb	121	115	He	100.000	ppb	0.1	130553.58	1.7050	Pulse	0.1000	3
Ba	137	115	He	1000.000	ppb	0.3	476951.84	6.2287	Pulse	0.1000	3
Tl	205	209	He	100.000	ppb	1.4	569810.98	4.0569	Pulse	0.1000	3
Pb	208	209	He	100.000	ppb	0.6	758821.11	5.4021	Pulse	0.1000	3
U	238	209	He	100.000	ppb	1.2	735740.82	5.2381	Pulse	0.1000	3

ISTD Table:

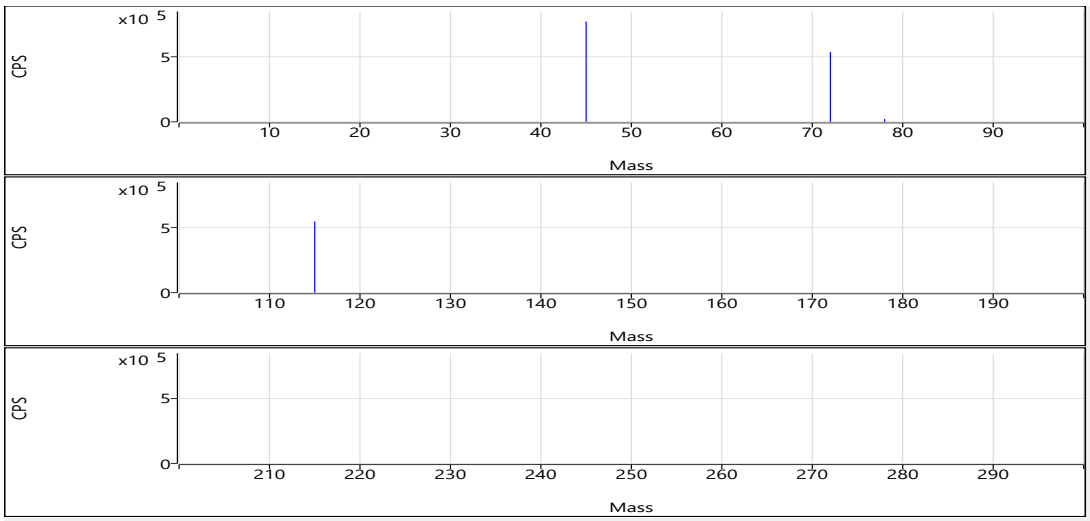
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	686358.92	0.2	100.4	Pulse	0.1000	3
No Gas	Ge	72	362166.28	0.4	100.1	Pulse	0.1000	3
H2	Sc	45	770514.39	1.9	99.6	Pulse	0.1000	3
H2	Ge	72	536347.73	0.9	98.6	Pulse	0.1000	3
H2	In	115	547978.12	1.5	99.4	Pulse	0.1000	3
He	Sc	45	56419.38	0.7	101.1	Pulse	0.1000	3
He	Ge	72	90520.22	1.0	101.4	Pulse	0.1000	3
He	In	115	76572.31	1.1	100.8	Pulse	0.1000	3
He	Tb	159	223829.09	0.9	101.8	Pulse	0.1000	3
He	Bi	209	140476.60	1.6	102.0	Pulse	0.1000	3

No Gas

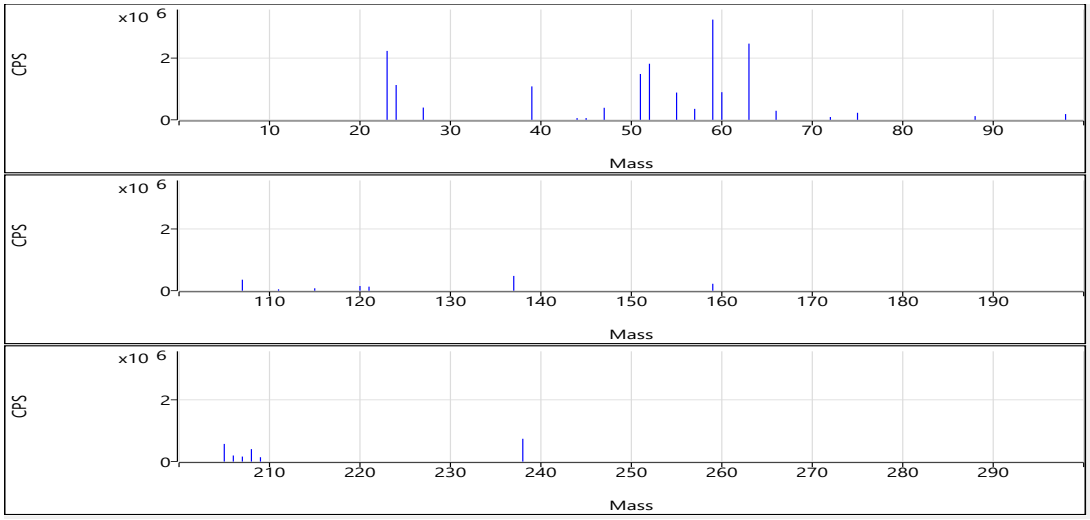


H2



Quantitation Report

He



Quantitation Report

Data File Name	018_ICV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 09:22:34
Sample Name	ICV 8099766
Sample Type	ICV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

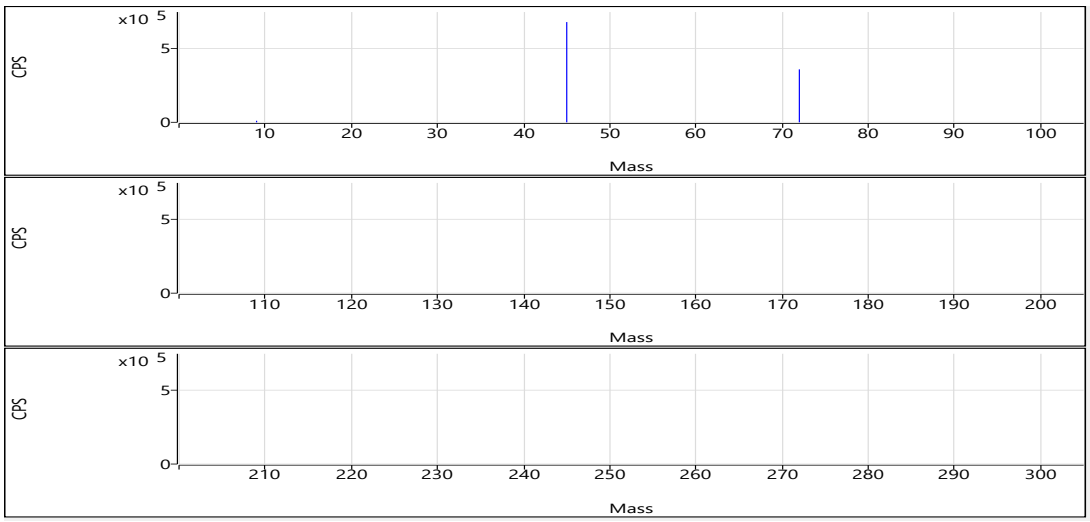
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	50.680	ppb	1.4	10353.60	0.0152	Pulse	0.5000	3
Se	78	72	H2	51.872	ppb	1.5	11422.53	0.0206	Pulse	1.5000	3
Na	23	45	He	5088.565	ppb	2.8	1201711.73	20.1965	Pulse	0.1000	3
Mg	24	45	He	5106.949	ppb	2.7	605591.01	10.1777	Pulse	0.1000	3
Al	27	45	He	5107.234	ppb	3.4	213067.95	3.5813	Pulse	0.1000	3
K	39	45	He	5092.392	ppb	3.2	594200.13	9.9869	Pulse	0.1000	3
Ca	44	45	He	5129.520	ppb	2.5	30395.67	0.5108	Pulse	0.1000	3
Ti	47	45	He	5087.563	ppb	2.9	208432.92	3.5031	Pulse	0.1000	3
V	51	45	He	510.127	ppb	3.1	796624.96	13.3893	Pulse	0.5000	3
Cr	52	72	He	515.291	ppb	1.2	971437.95	10.3188	Pulse	0.1000	3
Mn	55	45	He	511.383	ppb	2.7	474646.91	7.9771	Pulse	0.1000	3
Fe	57	45	He	5127.216	ppb	3.3	191578.73	3.2198	Pulse	0.1000	3
Co	59	72	He	523.759	ppb	1.4	1762426.69	18.7211	Pulse	0.1000	3
Ni	60	115	He	512.321	ppb	2.0	485781.15	5.9733	Pulse	0.1000	3
Cu	63	115	He	514.567	ppb	1.9	1344519.20	16.5327	Pulse	0.1000	3
Zn	66	72	He	523.474	ppb	0.8	159215.10	1.6912	Pulse	0.1000	3
As	75	72	He	510.373	ppb	0.7	120557.46	1.2806	Pulse	0.5000	3
Sr	88	72	He	49.918	ppb	1.5	62521.39	0.6640	Pulse	0.1000	3
Mo	98	72	He	52.026	ppb	1.5	100656.99	1.0692	Pulse	0.1000	3
Ag	107	115	He	50.416	ppb	1.0	190090.23	2.3372	Pulse	0.1000	3
Cd	111	115	He	54.835	ppb	1.8	26050.10	0.3203	Pulse	0.5000	3
Sn	120	115	He	52.293	ppb	1.2	86048.46	1.0580	Pulse	0.1000	3
Sb	121	115	He	54.503	ppb	3.5	75568.21	0.9294	Pulse	0.1000	3
Ba	137	115	He	510.433	ppb	1.2	258630.75	3.1799	Pulse	0.1000	3
Tl	205	209	He	51.401	ppb	1.0	309796.56	2.0855	Pulse	0.1000	3
Pb	208	209	He	50.812	ppb	1.2	407895.85	2.7460	Pulse	0.1000	3
U	238	209	He	52.116	ppb	1.4	405581.53	2.7303	Pulse	0.1000	3

ISTD Table:

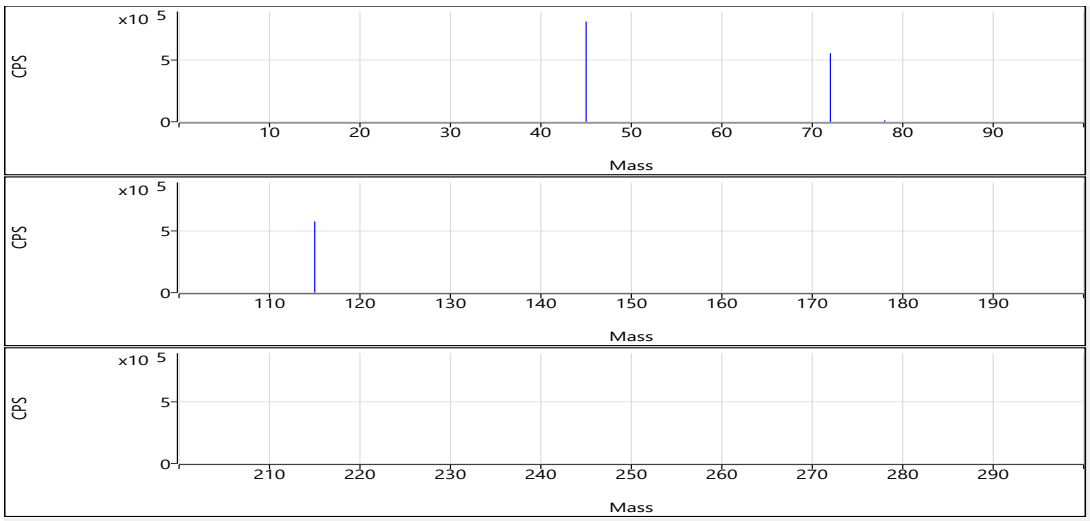
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	680574.13	0.9	99.6	Pulse	0.1000	3
No Gas	Ge	72	359414.49	1.1	99.4	Pulse	0.1000	3
H2	Sc	45	811233.63	1.2	104.9	Pulse	0.1000	3
H2	Ge	72	555499.81	1.0	102.1	Pulse	0.1000	3
H2	In	115	576821.68	1.5	104.6	Pulse	0.1000	3
He	Sc	45	59531.69	2.8	106.7	Pulse	0.1000	3
He	Ge	72	94146.82	0.7	105.4	Pulse	0.1000	3
He	In	115	81342.79	1.7	107.1	Pulse	0.1000	3
He	Tb	159	241050.64	0.2	109.7	Pulse	0.1000	3
He	Bi	209	148551.15	0.7	107.8	Pulse	0.1000	3

No Gas

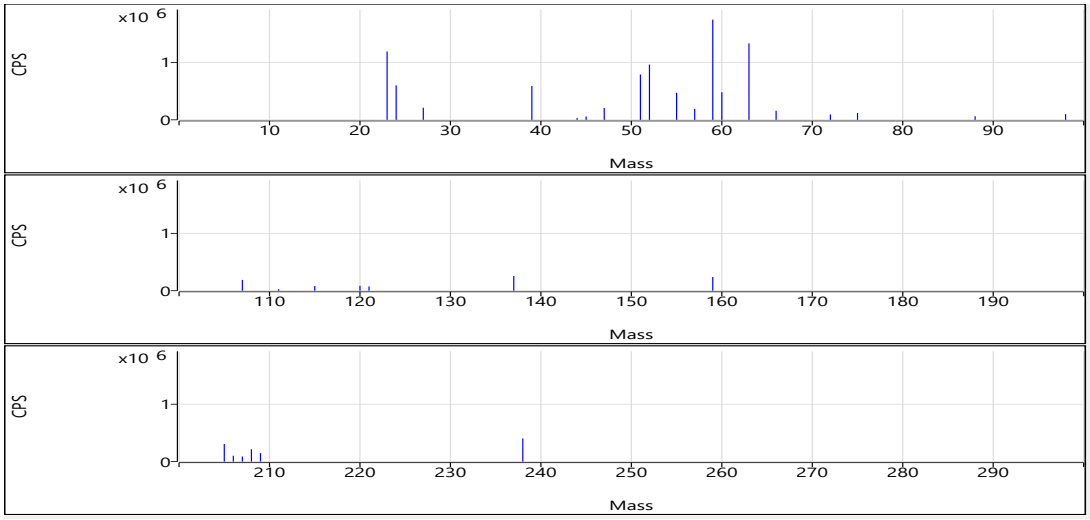


H2



Quantitation Report

He



Quantitation Report

Data File Name	021_ICB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 09:29:35
Sample Name	ICB 8061842
Sample Type	ICB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

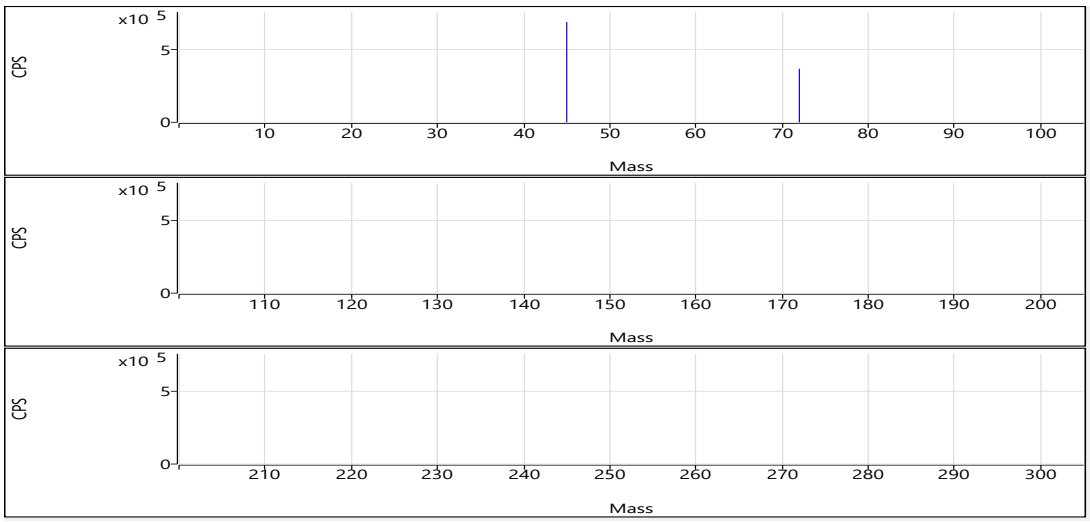
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.001	ppb	N/A	23.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.045	ppb	27.0	17.11	0.0000	Pulse	1.5000	3
Na	23	45	He	1.993	ppb	47.0	14984.63	0.2748	Pulse	0.1000	3
Mg	24	45	He	2.401	ppb	56.7	850.05	0.0156	Pulse	0.1000	3
Al	27	45	He	3.320	ppb	35.8	270.01	0.0050	Pulse	0.1000	3
K	39	45	He	16.146	ppb	143.8	29527.08	0.5416	Pulse	0.1000	3
Ca	44	45	He	0.398	ppb	2037.0	246.68	0.0045	Pulse	0.1000	3
Ti	47	45	He	3.551	ppb	16.8	136.68	0.0025	Pulse	0.1000	3
V	51	45	He	0.220	ppb	13.2	1231.40	0.0226	Pulse	0.5000	3
Cr	52	72	He	0.300	ppb	20.1	2470.29	0.0283	Pulse	0.1000	3
Mn	55	45	He	0.195	ppb	17.4	413.35	0.0076	Pulse	0.1000	3
Fe	57	45	He	2.205	ppb	3.4	310.01	0.0057	Pulse	0.1000	3
Co	59	72	He	0.244	ppb	20.3	940.06	0.0108	Pulse	0.1000	3
Ni	60	115	He	0.168	ppb	50.8	1226.77	0.0166	Pulse	0.1000	3
Cu	63	115	He	0.246	ppb	12.1	820.05	0.0111	Pulse	0.1000	3
Zn	66	72	He	0.518	ppb	29.2	233.34	0.0027	Pulse	0.1000	3
As	75	72	He	0.378	ppb	7.7	140.00	0.0016	Pulse	0.5000	3
Sr	88	72	He	0.004	ppb	180.0	293.34	0.0034	Pulse	0.1000	3
Mo	98	72	He	0.019	ppb	57.0	86.67	0.0010	Pulse	0.1000	3
Ag	107	115	He	0.024	ppb	27.0	113.34	0.0015	Pulse	0.1000	3
Cd	111	115	He	0.023	ppb	40.2	12.00	0.0002	Pulse	0.5000	3
Sn	120	115	He	0.169	ppb	49.0	4420.85	0.0600	Pulse	0.1000	3
Sb	121	115	He	0.027	ppb	46.7	56.67	0.0008	Pulse	0.1000	3
Ba	137	115	He	0.143	ppb	57.3	156.68	0.0021	Pulse	0.1000	3
Tl	205	209	He	0.033	ppb	41.9	253.35	0.0019	Pulse	0.1000	3
Pb	208	209	He	0.021	ppb	22.9	440.02	0.0032	Pulse	0.1000	3
U	238	209	He	0.020	ppb	28.9	253.34	0.0019	Pulse	0.1000	3

ISTD Table:

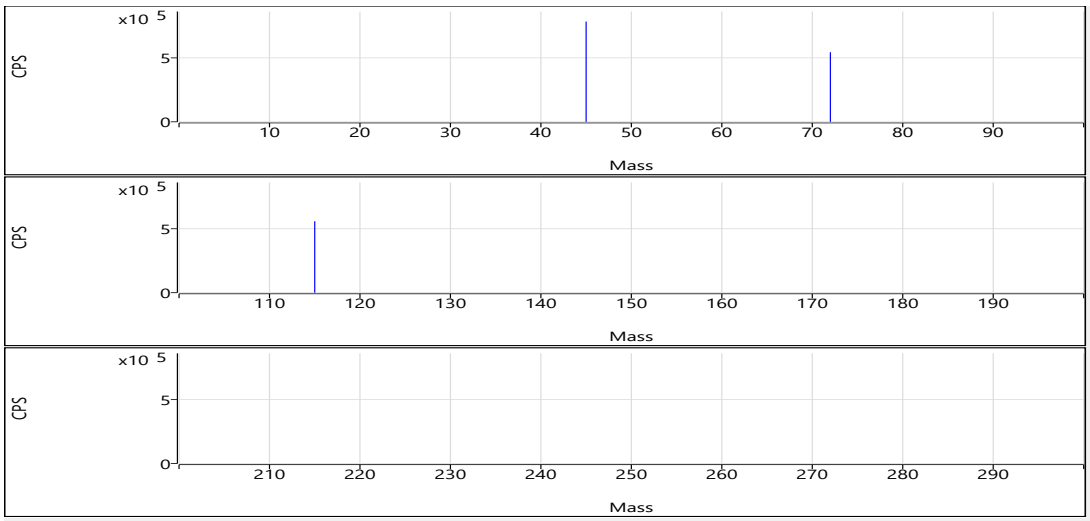
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	688842.91	0.2	100.8	Pulse	0.1000	3
No Gas	Ge	72	367818.91	1.5	101.7	Pulse	0.1000	3
H2	Sc	45	777467.46	1.6	100.5	Pulse	0.1000	3
H2	Ge	72	539926.84	1.1	99.3	Pulse	0.1000	3
H2	In	115	554281.53	1.2	100.5	Pulse	0.1000	3
He	Sc	45	54539.15	0.8	97.7	Pulse	0.1000	3
He	Ge	72	87203.79	1.3	97.6	Pulse	0.1000	3
He	In	115	73676.65	1.9	97.0	Pulse	0.1000	3
He	Tb	159	218374.93	1.1	99.4	Pulse	0.1000	3
He	Bi	209	135651.41	2.0	98.5	Pulse	0.1000	3

No Gas

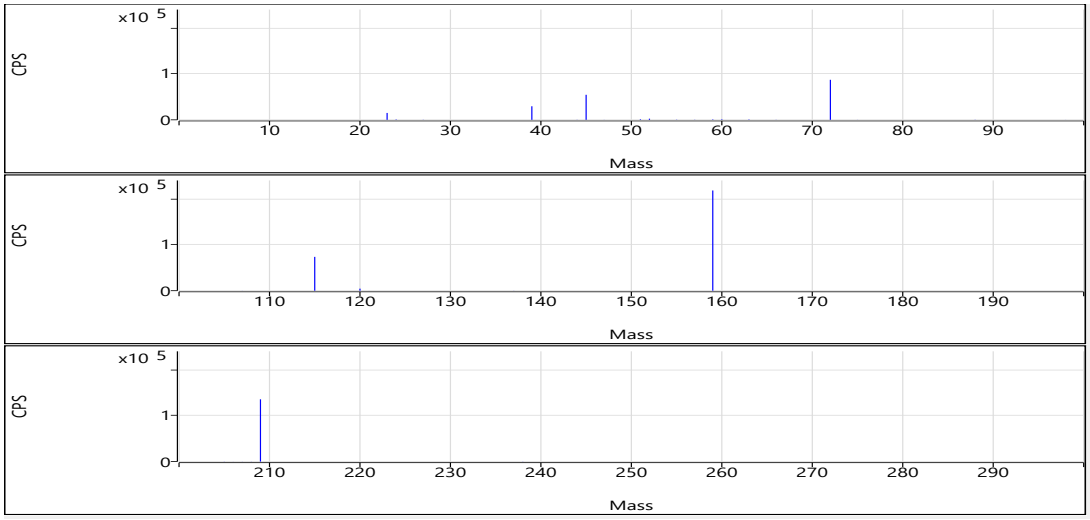


H2



Quantitation Report

He



Quantitation Report

Data File Name	022_LLC.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 09:32:50
Sample Name	CRI 8216529
Sample Type	CRI
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

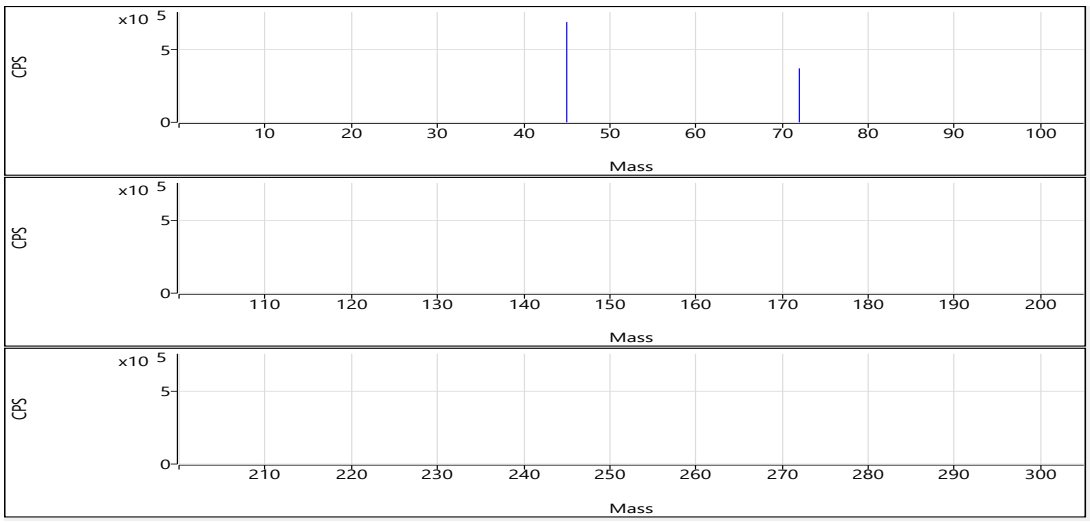
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.500	ppb	4.1	126.67	0.0002	Pulse	0.5000	3
Se	78	72	H2	1.077	ppb	4.8	245.56	0.0004	Pulse	1.5000	3
Na	23	45	He	205.888	ppb	2.2	58666.55	1.0733	Pulse	0.1000	3
Mg	24	45	He	54.214	ppb	6.9	6491.66	0.1187	Pulse	0.1000	3
Al	27	45	He	23.694	ppb	12.4	1050.07	0.0192	Pulse	0.1000	3
K	39	45	He	219.645	ppb	9.9	50300.27	0.9202	Pulse	0.1000	3
Ca	44	45	He	94.086	ppb	28.7	753.38	0.0138	Pulse	0.1000	3
Ti	47	45	He	11.965	ppb	14.6	453.36	0.0083	Pulse	0.1000	3
V	51	45	He	2.245	ppb	2.9	4133.94	0.0756	Pulse	0.5000	3
Cr	52	72	He	2.194	ppb	4.7	5958.09	0.0662	Pulse	0.1000	3
Mn	55	45	He	2.132	ppb	10.7	2063.56	0.0378	Pulse	0.1000	3
Fe	57	45	He	50.515	ppb	19.2	1963.54	0.0360	Pulse	0.1000	3
Co	59	72	He	0.681	ppb	2.8	2376.96	0.0264	Pulse	0.1000	3
Ni	60	115	He	1.268	ppb	3.5	2240.26	0.0295	Pulse	0.1000	3
Cu	63	115	He	1.222	ppb	7.1	3230.47	0.0425	Pulse	0.1000	3
Zn	66	72	He	10.648	ppb	6.0	3187.15	0.0354	Pulse	0.1000	3
As	75	72	He	2.206	ppb	3.6	557.35	0.0062	Pulse	0.5000	3
Sr	88	72	He	0.924	ppb	6.8	1400.12	0.0155	Pulse	0.1000	3
Mo	98	72	He	0.432	ppb	14.7	853.39	0.0095	Pulse	0.1000	3
Ag	107	115	He	0.503	ppb	4.5	1806.85	0.0238	Pulse	0.1000	3
Cd	111	115	He	0.536	ppb	10.5	240.67	0.0032	Pulse	0.5000	3
Sn	120	115	He	2.012	ppb	5.8	7245.46	0.0953	Pulse	0.1000	3
Sb	121	115	He	1.071	ppb	11.3	1413.47	0.0186	Pulse	0.1000	3
Ba	137	115	He	1.988	ppb	11.4	1033.41	0.0136	Pulse	0.1000	3
Tl	205	209	He	0.522	ppb	7.9	2967.12	0.0217	Pulse	0.1000	3
Pb	208	209	He	0.515	ppb	6.6	4090.41	0.0299	Pulse	0.1000	3
U	238	209	He	1.014	ppb	6.3	7379.06	0.0540	Pulse	0.1000	3

ISTD Table:

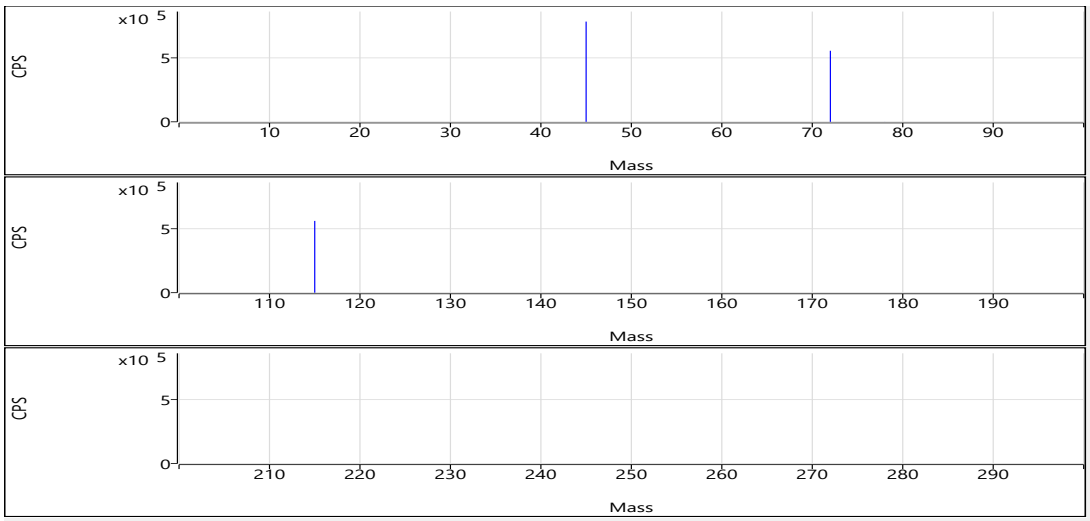
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	688406.89	0.3	100.7	Pulse	0.1000	3
No Gas	Ge	72	370457.38	0.2	102.4	Pulse	0.1000	3
H2	Sc	45	786770.51	1.4	101.7	Pulse	0.1000	3
H2	Ge	72	557739.59	1.3	102.5	Pulse	0.1000	3
H2	In	115	563489.16	1.9	102.2	Pulse	0.1000	3
He	Sc	45	54659.64	1.5	97.9	Pulse	0.1000	3
He	Ge	72	90047.68	0.7	100.8	Pulse	0.1000	3
He	In	115	76054.18	2.1	100.2	Pulse	0.1000	3
He	Tb	159	220329.22	1.1	100.2	Pulse	0.1000	3
He	Bi	209	136717.73	1.7	99.2	Pulse	0.1000	3

No Gas

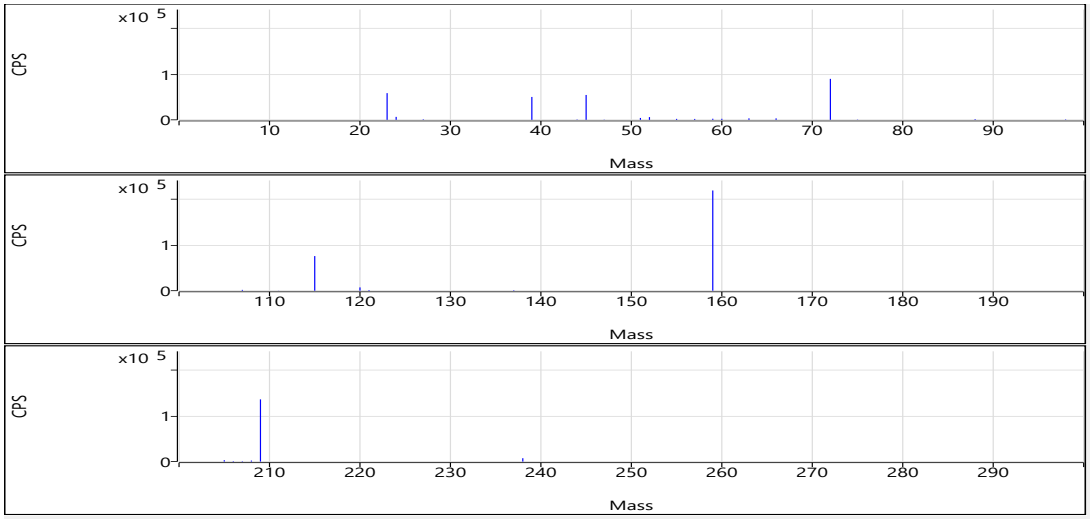


H2



Quantitation Report

He



Quantitation Report

Data File Name	023ICSA.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 10:23:04
Sample Name	ICSA 8027879
Sample Type	ICSA
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

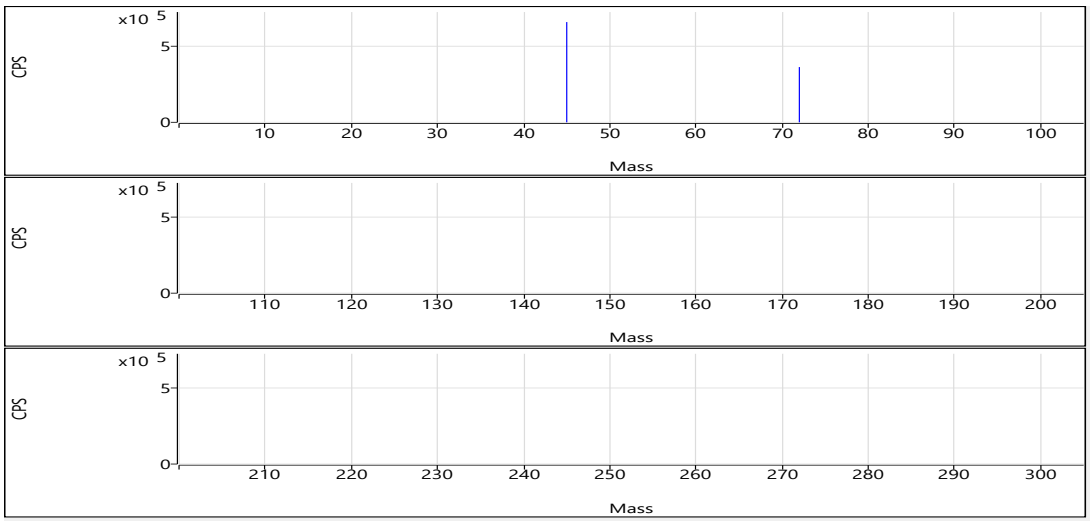
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.033	ppb	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.077	ppb	5.6	24.44	0.0000	Pulse	1.5000	3
Na	23	45	He	248383.342	ppb	1.9	53581517.54	973.0667	Analog	0.1000	3
Mg	24	45	He	100084.312	ppb	1.8	10972224.84	199.2589	Analog	0.1000	3
Al	27	45	He	98942.687	ppb	1.6	3817891.30	69.3325	Pulse	0.1000	3
K	39	45	He	97717.317	ppb	1.8	10040177.77	182.3338	Analog	0.1000	3
Ca	44	45	He	282720.953	ppb	2.0	1536948.93	27.9120	Pulse	0.1000	3
Ti	47	45	He	1992.311	ppb	1.3	75548.07	1.3719	Pulse	0.1000	3
V	51	45	He	0.037	ppb	115.1	978.71	0.0178	Pulse	0.5000	3
Cr	52	72	He	3.653	ppb	8.4	8579.55	0.0953	Pulse	0.1000	3
Mn	55	45	He	0.621	ppb	3.9	783.38	0.0142	Pulse	0.1000	3
Fe	57	45	He	240416.911	ppb	2.3	8302195.71	150.7791	Analog	0.1000	3
Co	59	72	He	0.267	ppb	9.6	1043.41	0.0116	Pulse	0.1000	3
Ni	60	115	He	0.068	ppb	102.6	1090.09	0.0155	Pulse	0.1000	3
Cu	63	115	He	0.090	ppb	52.2	430.02	0.0061	Pulse	0.1000	3
Zn	66	72	He	1.653	ppb	28.1	570.03	0.0063	Pulse	0.1000	3
As	75	72	He	0.199	ppb	17.8	104.00	0.0012	Pulse	0.5000	3
Sr	88	72	He	2.579	ppb	3.9	3370.52	0.0375	Pulse	0.1000	3
Mo	98	72	He	1959.241	ppb	1.1	3621602.86	40.2436	Pulse	0.1000	3
Ag	107	115	He	0.006	ppb	51.7	50.00	0.0007	Pulse	0.1000	3
Cd	111	115	He	0.298	ppb	16.5	124.67	0.0018	Pulse	0.5000	3
Sn	120	115	He	0.787	ppb	30.6	5057.84	0.0718	Pulse	0.1000	3
Sb	121	115	He	0.204	ppb	20.4	266.68	0.0038	Pulse	0.1000	3
Ba	137	115	He	0.342	ppb	30.1	236.68	0.0034	Pulse	0.1000	3
Tl	205	209	He	0.003	ppb	125.8	80.00	0.0006	Pulse	0.1000	3
Pb	208	209	He	0.109	ppb	15.6	1040.06	0.0080	Pulse	0.1000	3
U	238	209	He	-0.005	ppb	N/A	76.67	0.0006	Pulse	0.1000	3

ISTD Table:

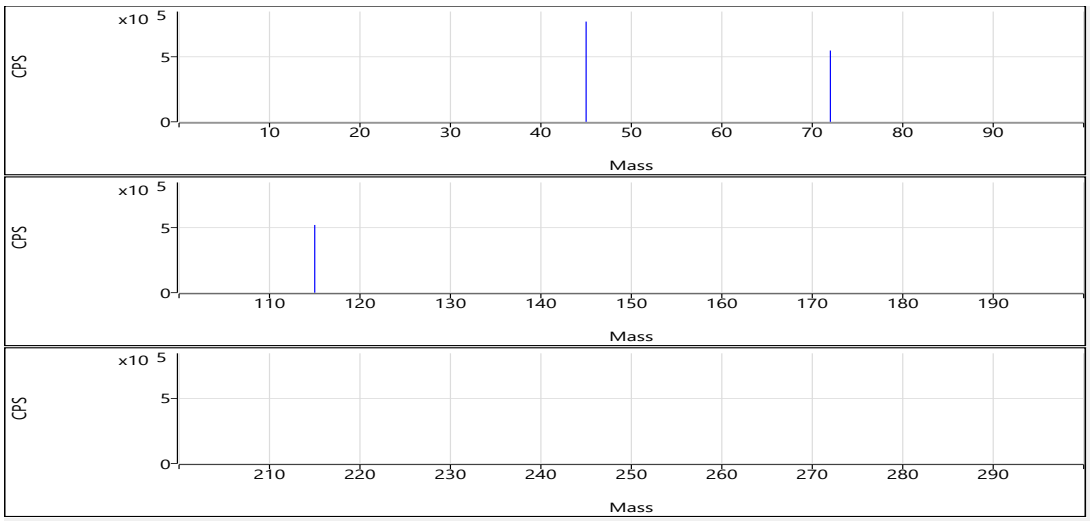
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	659260.33	0.5	96.4	Pulse	0.1000	3
No Gas	Ge	72	363251.37	0.8	100.4	Pulse	0.1000	3
H2	Sc	45	773949.47	0.8	100.1	Pulse	0.1000	3
H2	Ge	72	550382.99	1.0	101.2	Pulse	0.1000	3
H2	In	115	522906.14	0.4	94.8	Pulse	0.1000	3
He	Sc	45	55077.61	1.9	98.7	Pulse	0.1000	3
He	Ge	72	89997.76	0.9	100.8	Pulse	0.1000	3
He	In	115	70395.02	2.0	92.7	Pulse	0.1000	3
He	Tb	159	217446.83	0.6	98.9	Pulse	0.1000	3
He	Bi	209	129808.23	0.9	94.2	Pulse	0.1000	3

No Gas

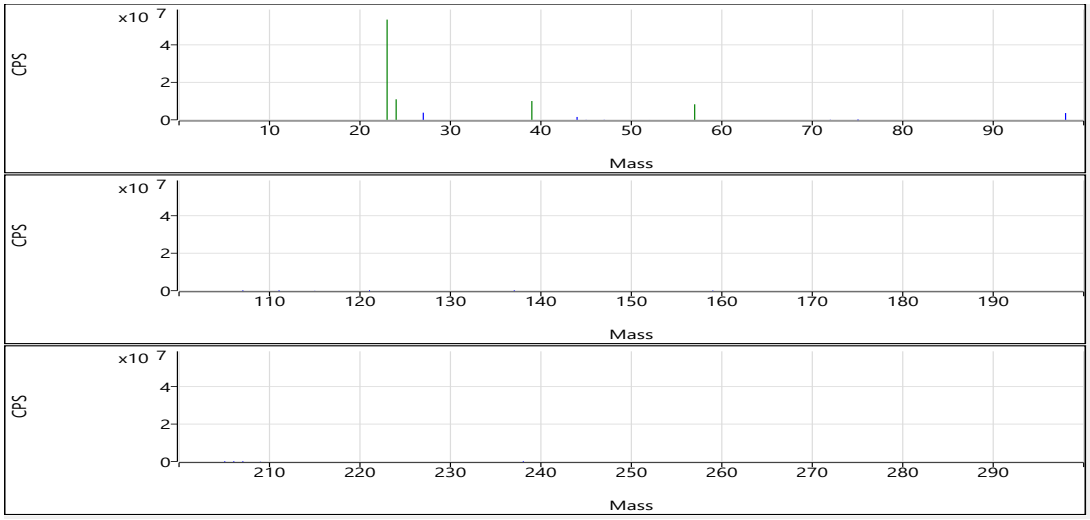


H2



Quantitation Report

He



Quantitation Report

Data File Name	024ICSB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 10:25:09
Sample Name	ICSAB 8053045
Sample Type	ICSAB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

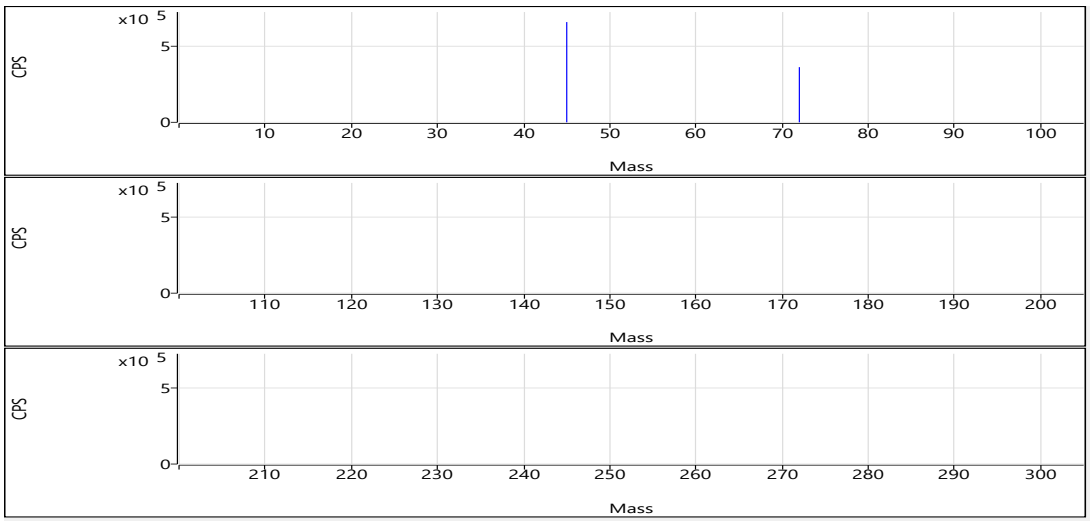
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.027	ppb	N/A	17.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	99.184	ppb	0.5	21035.96	0.0393	Pulse	1.5000	3
Na	23	45	He	254999.121	ppb	1.9	54362739.19	998.9775	Analog	0.1000	3
Mg	24	45	He	102394.980	ppb	1.5	11094442.75	203.8589	Analog	0.1000	3
Al	27	45	He	101923.128	ppb	1.6	3886851.40	71.4209	Pulse	0.1000	3
K	39	45	He	100974.035	ppb	1.2	10253309.01	188.3935	Analog	0.1000	3
Ca	44	45	He	292184.498	ppb	1.6	1569924.61	28.8461	Pulse	0.1000	3
Ti	47	45	He	2030.899	ppb	1.2	76108.20	1.3984	Pulse	0.1000	3
V	51	45	He	205.399	ppb	1.3	293951.49	5.4011	Pulse	0.5000	3
Cr	52	72	He	201.993	ppb	1.6	360163.65	4.0585	Pulse	0.1000	3
Mn	55	45	He	199.048	ppb	1.4	169136.66	3.1077	Pulse	0.1000	3
Fe	57	45	He	242574.213	ppb	2.0	8278929.25	152.1321	Analog	0.1000	3
Co	59	72	He	197.906	ppb	1.3	627832.54	7.0752	Pulse	0.1000	3
Ni	60	115	He	206.779	ppb	0.9	172087.04	2.4197	Pulse	0.1000	3
Cu	63	115	He	204.587	ppb	0.5	467615.64	6.5752	Pulse	0.1000	3
Zn	66	72	He	96.833	ppb	2.1	27834.10	0.3137	Pulse	0.1000	3
As	75	72	He	96.727	ppb	1.8	21582.83	0.2432	Pulse	0.5000	3
Sr	88	72	He	2.608	ppb	2.2	3357.18	0.0378	Pulse	0.1000	3
Mo	98	72	He	1998.679	ppb	1.1	3643095.99	41.0536	Pulse	0.1000	3
Ag	107	115	He	51.786	ppb	0.2	170736.42	2.4007	Pulse	0.1000	3
Cd	111	115	He	100.707	ppb	0.0	41837.26	0.5883	Pulse	0.5000	3
Sn	120	115	He	0.217	ppb	69.0	4330.85	0.0609	Pulse	0.1000	3
Sb	121	115	He	0.202	ppb	11.0	266.68	0.0038	Pulse	0.1000	3
Ba	137	115	He	0.299	ppb	27.9	220.01	0.0031	Pulse	0.1000	3
Tl	205	209	He	0.017	ppb	54.6	153.34	0.0012	Pulse	0.1000	3
Pb	208	209	He	0.106	ppb	17.1	993.39	0.0079	Pulse	0.1000	3
U	238	209	He	-0.003	ppb	N/A	86.67	0.0007	Pulse	0.1000	3

ISTD Table:

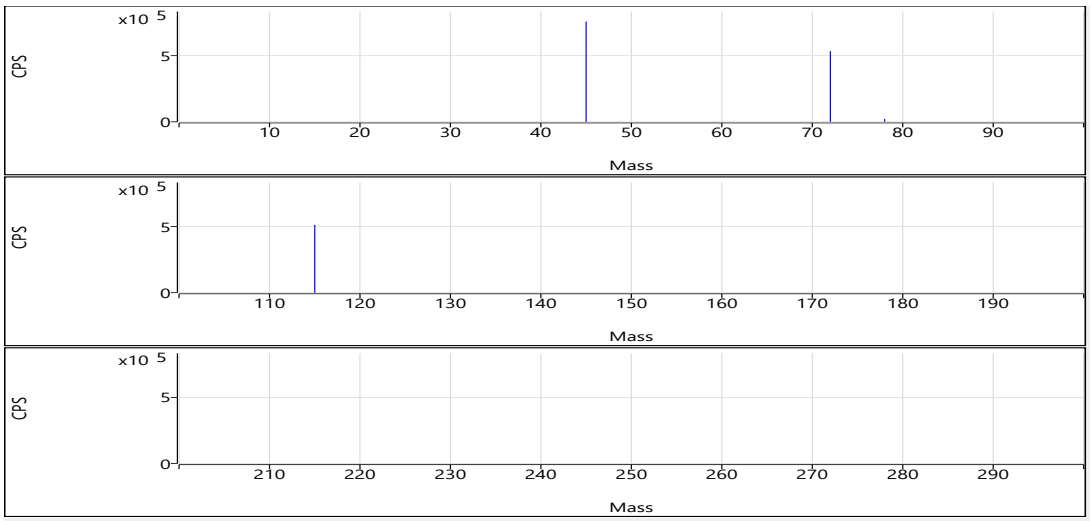
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	660978.62	1.0	96.7	Pulse	0.1000	3
No Gas	Ge	72	363676.61	0.7	100.5	Pulse	0.1000	3
H2	Sc	45	758706.68	0.6	98.1	Pulse	0.1000	3
H2	Ge	72	535153.68	0.5	98.4	Pulse	0.1000	3
H2	In	115	513177.00	0.7	93.0	Pulse	0.1000	3
He	Sc	45	54431.71	1.9	97.5	Pulse	0.1000	3
He	Ge	72	88746.64	1.3	99.4	Pulse	0.1000	3
He	In	115	71120.61	1.2	93.7	Pulse	0.1000	3
He	Tb	159	216210.83	1.3	98.4	Pulse	0.1000	3
He	Bi	209	126341.30	0.9	91.7	Pulse	0.1000	3

No Gas

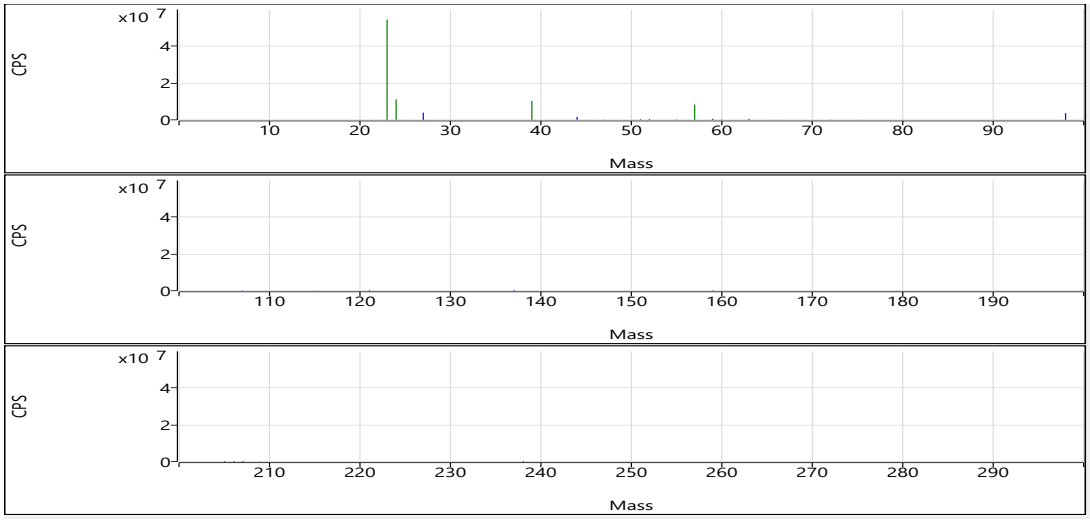


H2



Quantitation Report

He



Quantitation Report

Data File Name	025_LRC.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 10:27:15
Sample Name	LRC 8160221
Sample Type	LRC
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

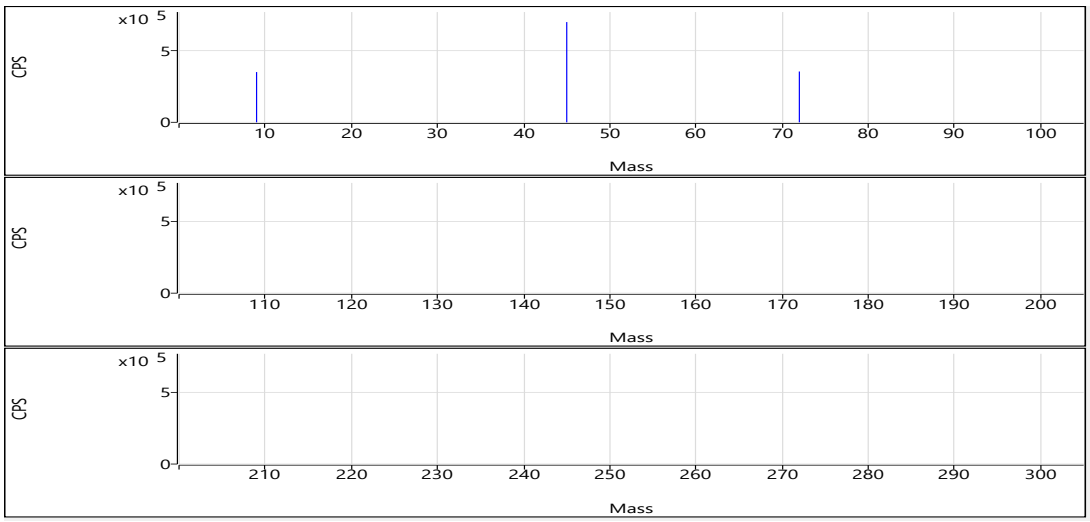
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	1673.313	ppb	1.0	348691.30	0.5012	Pulse	0.5000	3
Se	78	72	H2	2046.529	ppb	0.7	423207.64	0.8108	Pulse	1.5000	3
Na	23	45	He	185901.604	ppb	1.1	43787784.35	728.3553	Analog	0.1000	3
Mg	24	45	He	187722.544	ppb	2.4	22466919.66	373.7292	Analog	0.1000	3
Al	27	45	He	190207.197	ppb	2.0	8012649.04	133.2822	Analog	0.1000	3
K	39	45	He	183990.842	ppb	0.7	20613082.61	342.8626	Analog	0.1000	3
Ca	44	45	He	185351.309	ppb	1.2	1100204.10	18.3006	Pulse	0.1000	3
Ti	47	45	He	1908.770	ppb	2.8	79027.12	1.3143	Pulse	0.1000	3
V	51	45	He	1855.201	ppb	1.1	2924793.58	48.6491	Pulse	0.5000	3
Cr	52	72	He	2019.074	ppb	1.2	3522352.97	40.3673	Pulse	0.1000	3
Mn	55	45	He	5475.993	ppb	2.0	5132681.59	85.3759	Pulse	0.1000	3
Fe	57	45	He	144412.270	ppb	1.2	5445277.00	90.5709	Pulse	0.1000	3
Co	59	72	He	2029.422	ppb	1.2	6329030.11	72.5332	Analog	0.1000	3
Ni	60	115	He	1970.247	ppb	0.5	1678874.82	22.9298	Pulse	0.1000	3
Cu	63	115	He	1962.034	ppb	0.5	4614955.97	63.0296	Pulse	0.1000	3
Zn	66	72	He	1983.258	ppb	1.2	558838.40	6.4045	Pulse	0.1000	3
As	75	72	He	2083.467	ppb	0.8	455977.69	5.2255	Pulse	0.5000	3
Sr	88	72	He	1990.179	ppb	1.8	2298872.15	26.3460	Pulse	0.1000	3
Mo	98	72	He	2059.717	ppb	1.1	3691712.76	42.3074	Pulse	0.1000	3
Ag	107	115	He	1958.852	ppb	0.6	6647742.61	90.7920	Analog	0.1000	3
Cd	111	115	He	1973.311	ppb	0.4	843929.98	11.5261	Pulse	0.5000	3
Sn	120	115	He	1987.622	ppb	0.9	2790465.07	38.1125	Pulse	0.1000	3
Sb	121	115	He	1975.113	ppb	0.7	2465170.43	33.6691	Pulse	0.1000	3
Ba	137	115	He	2013.132	ppb	0.5	918009.31	12.5379	Pulse	0.1000	3
Tl	205	209	He	2086.303	ppb	2.5	10698736.09	84.6285	Analog	0.1000	3
Pb	208	209	He	2057.870	ppb	1.6	14050410.00	111.1273	Analog	0.1000	3
U	238	209	He	0.081	ppb	14.4	640.04	0.0051	Pulse	0.1000	3

ISTD Table:

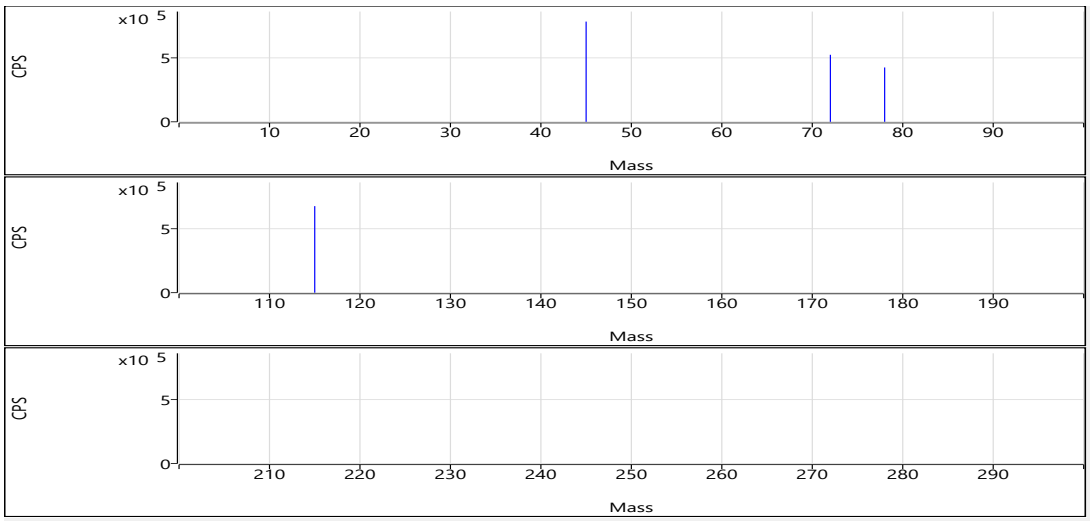
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	695689.16	0.7	101.8	Pulse	0.1000	3
No Gas	Ge	72	352595.97	0.3	97.5	Pulse	0.1000	3
H2	Sc	45	780463.95	1.0	100.9	Pulse	0.1000	3
H2	Ge	72	521989.42	1.5	96.0	Pulse	0.1000	3
H2	In	115	674026.86	0.6	122.2	Pulse	0.1000	3
He	Sc	45	60123.84	1.2	107.7	Pulse	0.1000	3
He	Ge	72	87260.95	0.6	97.7	Pulse	0.1000	3
He	In	115	73219.75	0.7	96.4	Pulse	0.1000	3
He	Tb	159	216440.34	1.0	98.5	Pulse	0.1000	3
He	Bi	209	126462.71	2.1	91.8	Pulse	0.1000	3

No Gas

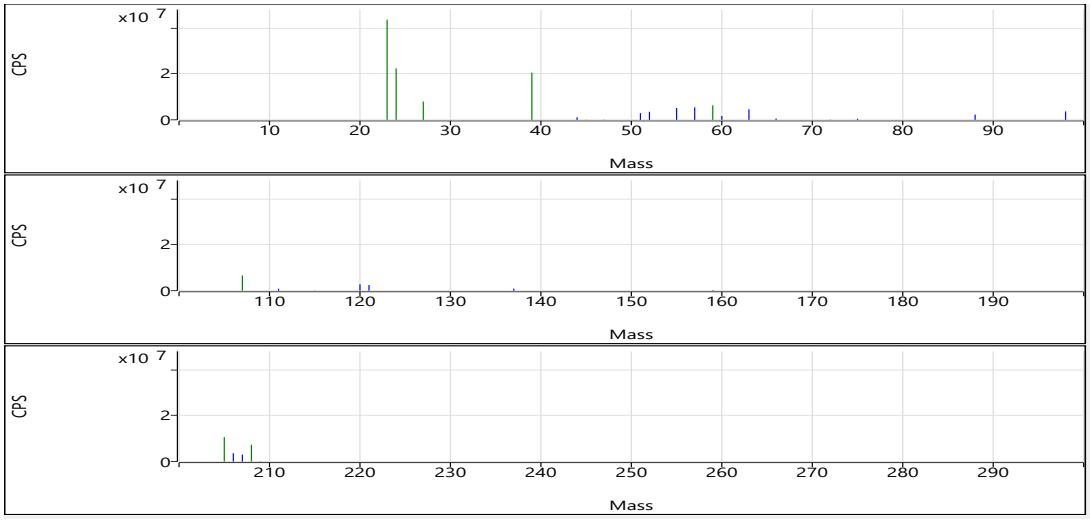


H2



Quantitation Report

He



Quantitation Report

Data File Name	067_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:00:28
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

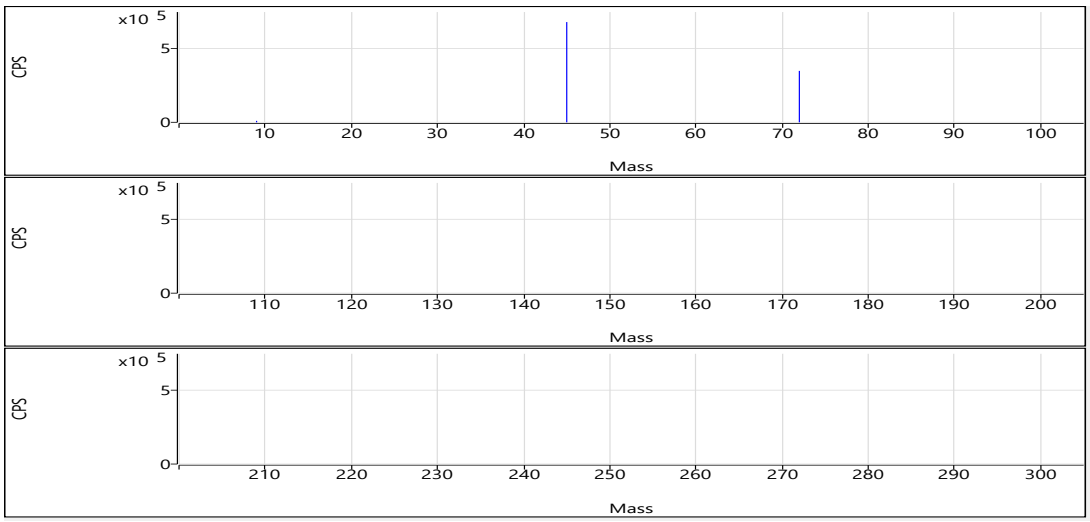
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.936	ppb	1.4	9770.56	0.0144	Pulse	0.5000	3
Se	78	72	H2	51.810	ppb	1.0	10691.96	0.0205	Pulse	1.5000	3
Na	23	45	He	5078.280	ppb	0.9	1116039.51	20.1562	Pulse	0.1000	3
Mg	24	45	He	5096.981	ppb	0.7	562431.71	10.1579	Pulse	0.1000	3
Al	27	45	He	5125.958	ppb	0.8	199039.60	3.5944	Pulse	0.1000	3
K	39	45	He	4979.009	ppb	1.4	541290.90	9.7759	Pulse	0.1000	3
Ca	44	45	He	5081.742	ppb	2.5	28027.83	0.5061	Pulse	0.1000	3
Ti	47	45	He	5033.481	ppb	1.9	191884.16	3.4658	Pulse	0.1000	3
V	51	45	He	511.554	ppb	1.1	743390.81	13.4267	Pulse	0.5000	3
Cr	52	72	He	525.316	ppb	1.4	910076.94	10.5192	Pulse	0.1000	3
Mn	55	45	He	503.171	ppb	0.2	434614.70	7.8490	Pulse	0.1000	3
Fe	57	45	He	5049.583	ppb	1.0	175574.63	3.1711	Pulse	0.1000	3
Co	59	72	He	529.469	ppb	1.6	1637260.71	18.9252	Pulse	0.1000	3
Ni	60	115	He	524.351	ppb	1.3	456851.28	6.1132	Pulse	0.1000	3
Cu	63	115	He	519.386	ppb	1.5	1247095.84	16.6875	Pulse	0.1000	3
Zn	66	72	He	522.830	ppb	0.3	146153.67	1.6891	Pulse	0.1000	3
As	75	72	He	522.207	ppb	1.0	113365.71	1.3102	Pulse	0.5000	3
Sr	88	72	He	50.433	ppb	1.0	58055.64	0.6709	Pulse	0.1000	3
Mo	98	72	He	53.233	ppb	2.3	94636.04	1.0940	Pulse	0.1000	3
Ag	107	115	He	52.405	ppb	1.5	181545.15	2.4294	Pulse	0.1000	3
Cd	111	115	He	51.147	ppb	3.4	22325.05	0.2988	Pulse	0.5000	3
Sn	120	115	He	51.473	ppb	3.1	77891.35	1.0423	Pulse	0.1000	3
Sb	121	115	He	51.336	ppb	2.5	65424.26	0.8754	Pulse	0.1000	3
Ba	137	115	He	507.863	ppb	0.9	236455.25	3.1639	Pulse	0.1000	3
Tl	205	209	He	51.037	ppb	0.9	294354.21	2.0708	Pulse	0.1000	3
Pb	208	209	He	50.632	ppb	2.4	388921.38	2.7363	Pulse	0.1000	3
U	238	209	He	50.491	ppb	1.3	376007.31	2.6452	Pulse	0.1000	3

ISTD Table:

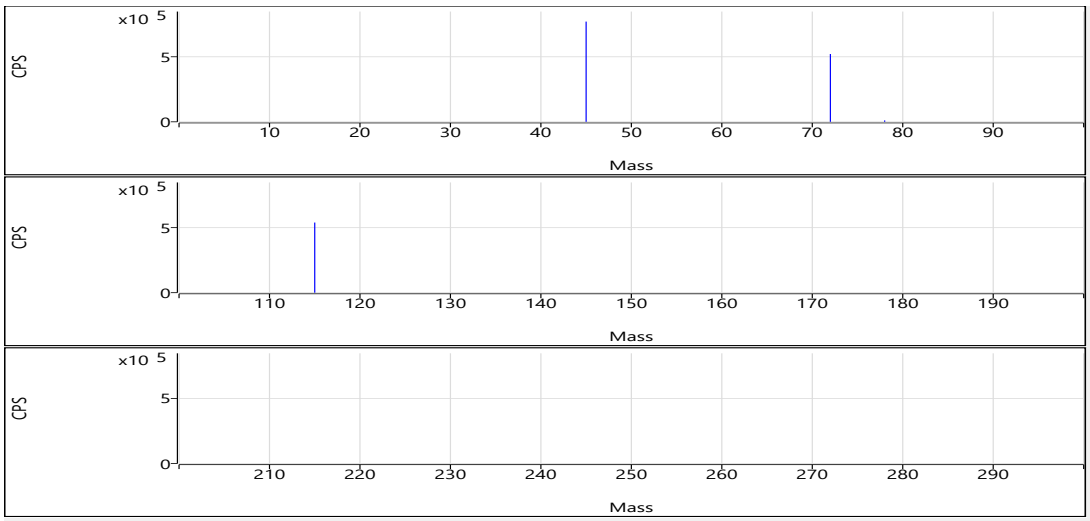
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	678868.82	0.5	99.3	Pulse	0.1000	3
No Gas	Ge	72	348254.75	0.3	96.3	Pulse	0.1000	3
H2	Sc	45	769343.14	1.1	99.5	Pulse	0.1000	3
H2	Ge	72	520548.65	0.2	95.7	Pulse	0.1000	3
H2	In	115	538421.12	0.9	97.6	Pulse	0.1000	3
He	Sc	45	55371.89	1.4	99.2	Pulse	0.1000	3
He	Ge	72	86530.16	2.0	96.9	Pulse	0.1000	3
He	In	115	74742.02	1.7	98.4	Pulse	0.1000	3
He	Tb	159	227678.13	1.3	103.6	Pulse	0.1000	3
He	Bi	209	142154.82	0.8	103.2	Pulse	0.1000	3

No Gas

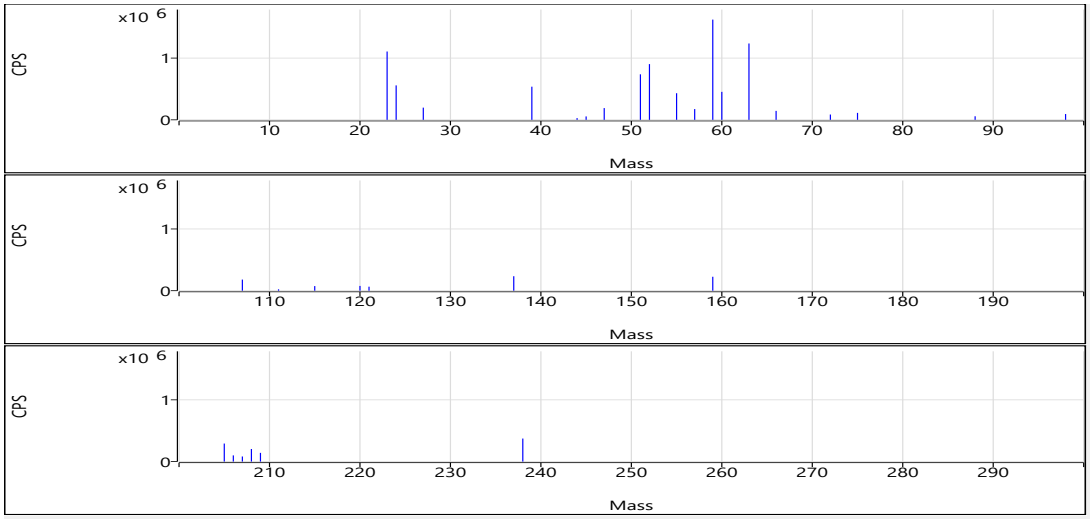


H2



Quantitation Report

He



Quantitation Report

Data File Name	069_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:04:41
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

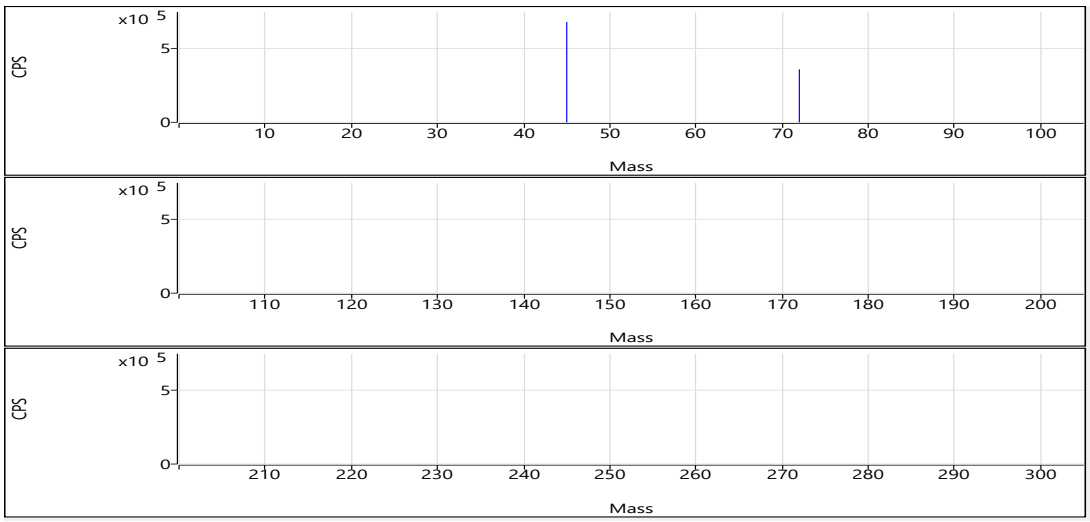
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.065	ppb	N/A	10.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.061	ppb	19.9	20.00	0.0000	Pulse	1.5000	3
Na	23	45	He	-1.718	ppb	N/A	14200.56	0.2602	Pulse	0.1000	3
Mg	24	45	He	-0.522	ppb	N/A	533.36	0.0098	Pulse	0.1000	3
Al	27	45	He	0.843	ppb	160.3	176.67	0.0032	Pulse	0.1000	3
K	39	45	He	10.694	ppb	141.8	29046.16	0.5314	Pulse	0.1000	3
Ca	44	45	He	1.737	ppb	406.2	253.34	0.0047	Pulse	0.1000	3
Ti	47	45	He	1.963	ppb	35.8	76.67	0.0014	Pulse	0.1000	3
V	51	45	He	0.136	ppb	26.7	1112.05	0.0204	Pulse	0.5000	3
Cr	52	72	He	0.191	ppb	58.0	2263.59	0.0261	Pulse	0.1000	3
Mn	55	45	He	-0.011	ppb	N/A	240.01	0.0044	Pulse	0.1000	3
Fe	57	45	He	0.130	ppb	636.5	240.01	0.0044	Pulse	0.1000	3
Co	59	72	He	0.078	ppb	8.8	420.02	0.0048	Pulse	0.1000	3
Ni	60	115	He	-0.175	ppb	N/A	933.40	0.0127	Pulse	0.1000	3
Cu	63	115	He	0.106	ppb	33.4	490.03	0.0066	Pulse	0.1000	3
Zn	66	72	He	0.259	ppb	32.2	160.01	0.0018	Pulse	0.1000	3
As	75	72	He	0.226	ppb	23.9	106.00	0.0012	Pulse	0.5000	3
Sr	88	72	He	-0.072	ppb	N/A	203.34	0.0024	Pulse	0.1000	3
Mo	98	72	He	0.070	ppb	45.2	176.67	0.0020	Pulse	0.1000	3
Ag	107	115	He	0.006	ppb	165.7	53.34	0.0007	Pulse	0.1000	3
Cd	111	115	He	0.016	ppb	69.9	8.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	0.181	ppb	58.2	4437.53	0.0602	Pulse	0.1000	3
Sb	121	115	He	0.032	ppb	58.1	63.33	0.0009	Pulse	0.1000	3
Ba	137	115	He	0.092	ppb	70.5	133.34	0.0018	Pulse	0.1000	3
Tl	205	209	He	0.053	ppb	5.3	373.35	0.0027	Pulse	0.1000	3
Pb	208	209	He	0.006	ppb	225.5	340.01	0.0024	Pulse	0.1000	3
U	238	209	He	0.015	ppb	54.7	230.01	0.0016	Pulse	0.1000	3

ISTD Table:

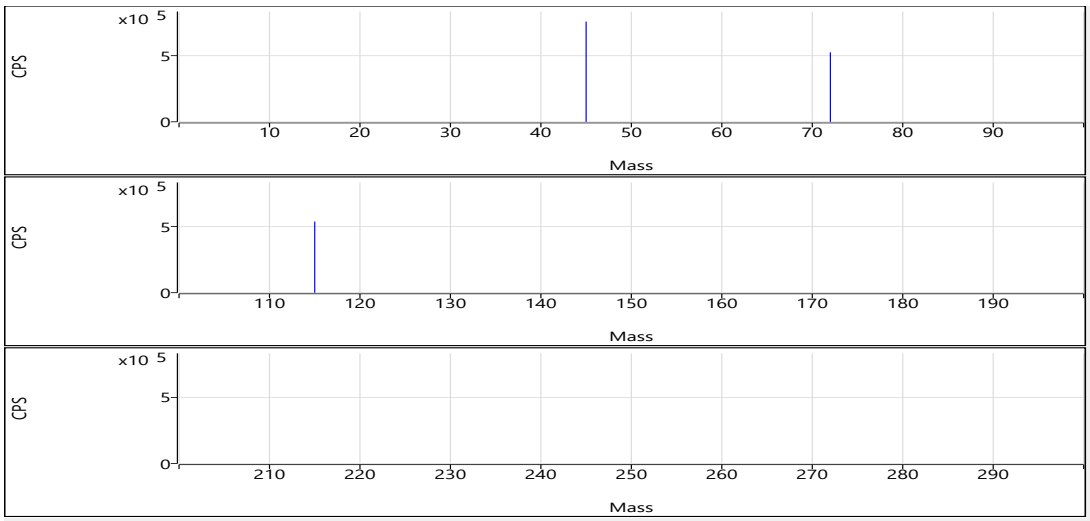
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	682424.00	0.6	99.8	Pulse	0.1000	3
No Gas	Ge	72	360457.07	1.3	99.7	Pulse	0.1000	3
H2	Sc	45	759597.52	1.4	98.2	Pulse	0.1000	3
H2	Ge	72	526816.28	0.9	96.8	Pulse	0.1000	3
H2	In	115	538935.25	1.1	97.7	Pulse	0.1000	3
He	Sc	45	54622.26	3.1	97.9	Pulse	0.1000	3
He	Ge	72	86671.04	2.1	97.0	Pulse	0.1000	3
He	In	115	73650.04	1.5	97.0	Pulse	0.1000	3
He	Tb	159	221518.43	0.5	100.8	Pulse	0.1000	3
He	Bi	209	139827.11	0.6	101.5	Pulse	0.1000	3

No Gas

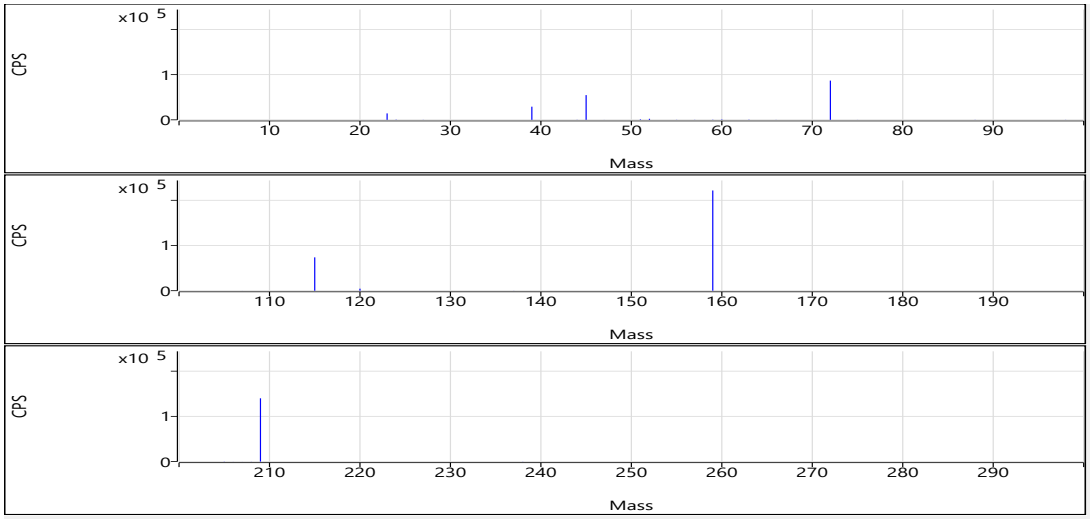


H2



Quantitation Report

He



Quantitation Report

Data File Name	070SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:07:13
Sample Name	MB 410-682812/1-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

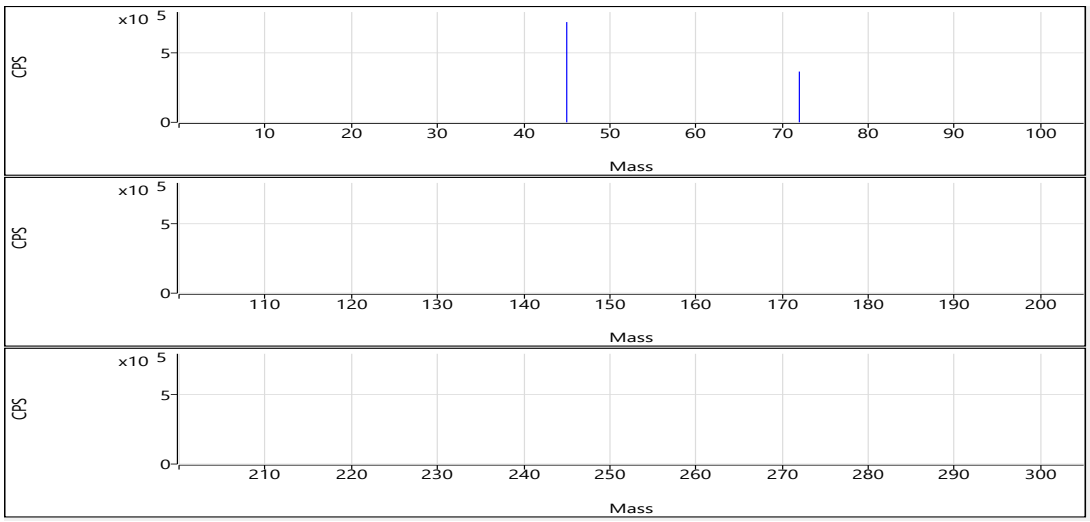
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.030	ppb	N/A	18.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.031	ppb	31.7	13.56	0.0000	Pulse	1.5000	3
Na	23	45	He	-5.525	ppb	N/A	13553.30	0.2453	Pulse	0.1000	3
Mg	24	45	He	0.059	ppb	2287.1	603.37	0.0109	Pulse	0.1000	3
Al	27	45	He	0.213	ppb	784.8	153.34	0.0028	Pulse	0.1000	3
K	39	45	He	2.375	ppb	528.5	28501.68	0.5159	Pulse	0.1000	3
Ca	44	45	He	13.908	ppb	43.3	323.35	0.0059	Pulse	0.1000	3
Ti	47	45	He	0.966	ppb	81.9	40.00	0.0007	Pulse	0.1000	3
V	51	45	He	-0.070	ppb	N/A	826.70	0.0150	Pulse	0.5000	3
Cr	52	72	He	0.030	ppb	270.5	1900.20	0.0229	Pulse	0.1000	3
Mn	55	45	He	0.038	ppb	96.2	283.35	0.0051	Pulse	0.1000	3
Fe	57	45	He	1.704	ppb	11.2	296.68	0.0054	Pulse	0.1000	3
Co	59	72	He	0.074	ppb	40.3	390.02	0.0047	Pulse	0.1000	3
Ni	60	115	He	-0.427	ppb	N/A	723.38	0.0097	Pulse	0.1000	3
Cu	63	115	He	0.154	ppb	23.7	610.04	0.0082	Pulse	0.1000	3
Zn	66	72	He	1.522	ppb	16.1	490.02	0.0059	Pulse	0.1000	3
As	75	72	He	0.156	ppb	28.3	86.67	0.0010	Pulse	0.5000	3
Sr	88	72	He	-0.120	ppb	N/A	143.34	0.0017	Pulse	0.1000	3
Mo	98	72	He	0.051	ppb	32.6	136.67	0.0016	Pulse	0.1000	3
Ag	107	115	He	0.004	ppb	288.6	46.67	0.0006	Pulse	0.1000	3
Cd	111	115	He	0.002	ppb	169.3	2.67	0.0000	Pulse	0.5000	3
Sn	120	115	He	-0.161	ppb	N/A	3990.72	0.0537	Pulse	0.1000	3
Sb	121	115	He	0.024	ppb	124.3	53.33	0.0007	Pulse	0.1000	3
Ba	137	115	He	0.026	ppb	46.0	103.33	0.0014	Pulse	0.1000	3
Tl	205	209	He	0.020	ppb	14.9	186.68	0.0013	Pulse	0.1000	3
Pb	208	209	He	0.000	ppb	765.0	300.01	0.0021	Pulse	0.1000	3
U	238	209	He	0.006	ppb	209.4	160.01	0.0011	Pulse	0.1000	3

ISTD Table:

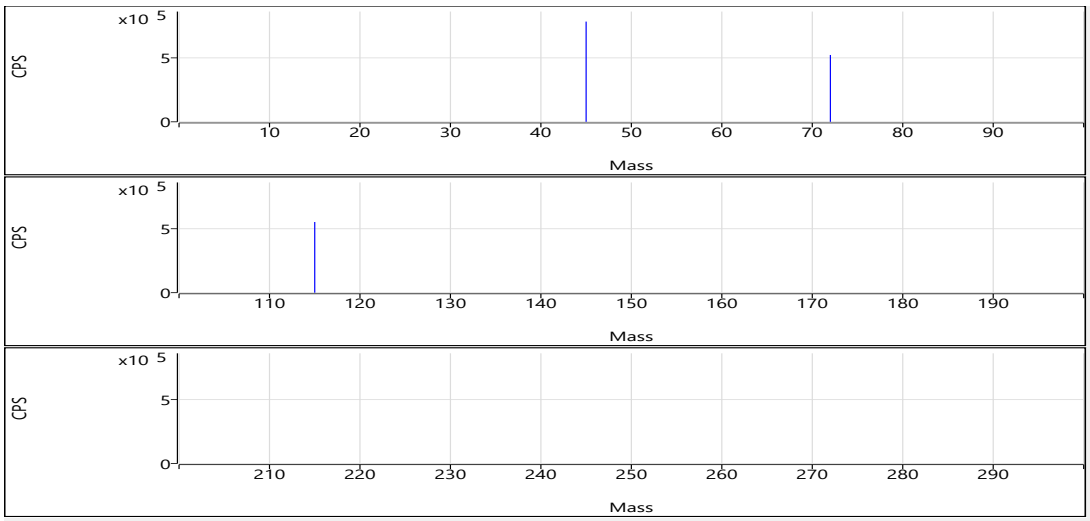
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	716158.58	0.4	104.8	Pulse	0.1000	3
No Gas	Ge	72	362505.28	1.1	100.2	Pulse	0.1000	3
H2	Sc	45	782615.72	1.3	101.2	Pulse	0.1000	3
H2	Ge	72	521955.93	1.3	96.0	Pulse	0.1000	3
H2	In	115	551980.90	1.7	100.1	Pulse	0.1000	3
He	Sc	45	55244.69	0.3	99.0	Pulse	0.1000	3
He	Ge	72	82848.26	1.3	92.8	Pulse	0.1000	3
He	In	115	74323.06	0.4	97.9	Pulse	0.1000	3
He	Tb	159	221251.23	1.0	100.7	Pulse	0.1000	3
He	Bi	209	139943.05	1.5	101.6	Pulse	0.1000	3

No Gas

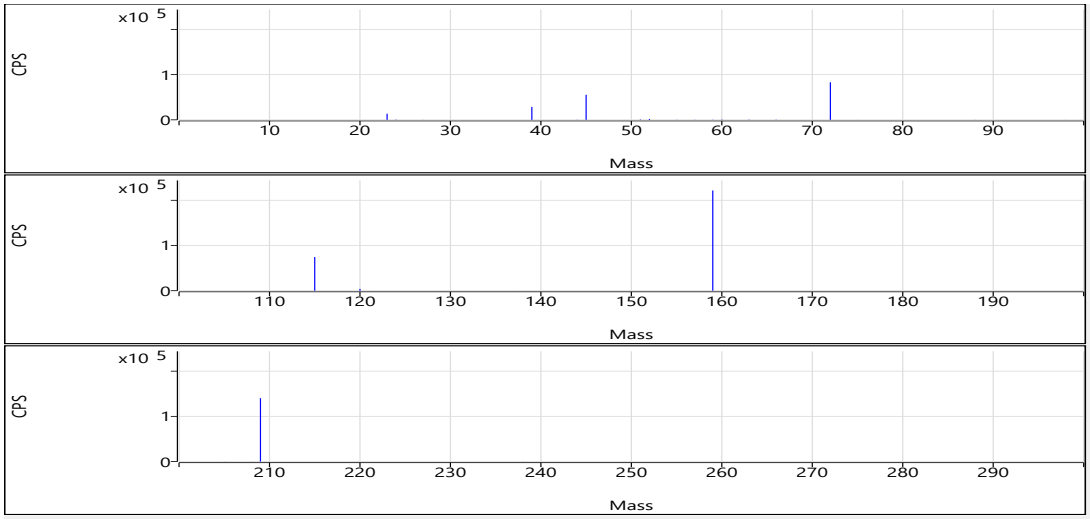


H2



Quantitation Report

He



Quantitation Report

Data File Name	071SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:09:19
Sample Name	MB 410-681233/1-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

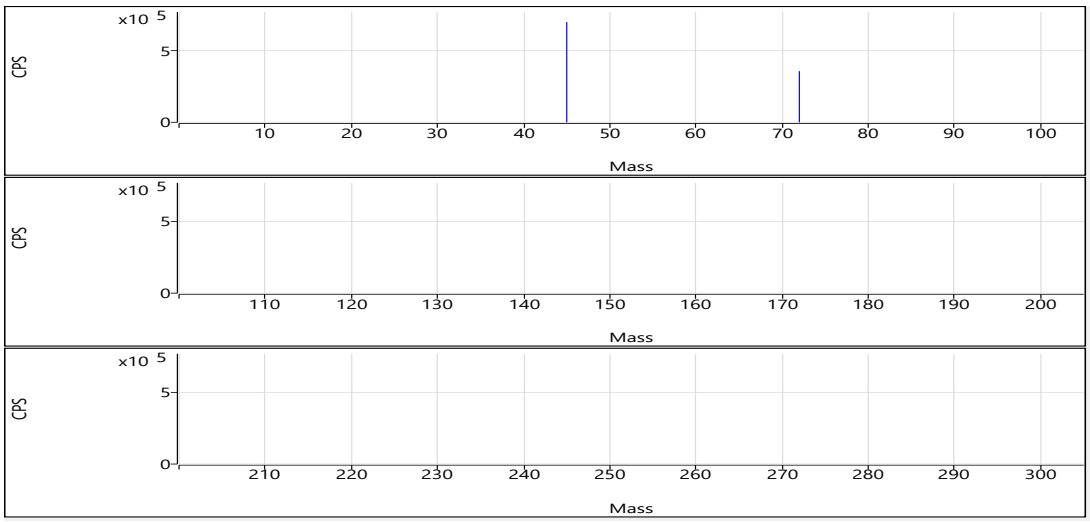
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.037	ppb	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.010	ppb	85.1	9.33	0.0000	Pulse	1.5000	3
Na	23	45	He	-6.506	ppb	N/A	13730.04	0.2415	Pulse	0.1000	3
Mg	24	45	He	-0.029	ppb	N/A	610.04	0.0108	Pulse	0.1000	3
Al	27	45	He	1.368	ppb	107.4	203.34	0.0036	Pulse	0.1000	3
K	39	45	He	3.084	ppb	470.6	29406.95	0.5172	Pulse	0.1000	3
Ca	44	45	He	0.391	ppb	1284.5	256.68	0.0045	Pulse	0.1000	3
Ti	47	45	He	1.523	ppb	39.9	63.33	0.0011	Pulse	0.1000	3
V	51	45	He	0.084	ppb	57.5	1080.05	0.0190	Pulse	0.5000	3
Cr	52	72	He	0.400	ppb	45.1	2627.01	0.0303	Pulse	0.1000	3
Mn	55	45	He	-0.039	ppb	N/A	223.34	0.0039	Pulse	0.1000	3
Fe	57	45	He	6.952	ppb	27.7	493.36	0.0087	Pulse	0.1000	3
Co	59	72	He	0.068	ppb	29.8	386.69	0.0045	Pulse	0.1000	3
Ni	60	115	He	-0.085	ppb	N/A	1063.41	0.0137	Pulse	0.1000	3
Cu	63	115	He	0.120	ppb	2.7	550.03	0.0071	Pulse	0.1000	3
Zn	66	72	He	0.428	ppb	17.7	206.68	0.0024	Pulse	0.1000	3
As	75	72	He	0.196	ppb	32.7	99.33	0.0011	Pulse	0.5000	3
Sr	88	72	He	-0.081	ppb	N/A	193.34	0.0022	Pulse	0.1000	3
Mo	98	72	He	0.096	ppb	52.2	223.35	0.0026	Pulse	0.1000	3
Ag	107	115	He	-0.004	ppb	N/A	20.00	0.0003	Pulse	0.1000	3
Cd	111	115	He	0.012	ppb	114.2	7.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.333	ppb	N/A	3907.35	0.0504	Pulse	0.1000	3
Sb	121	115	He	0.022	ppb	118.1	53.33	0.0007	Pulse	0.1000	3
Ba	137	115	He	0.107	ppb	147.0	146.67	0.0019	Pulse	0.1000	3
Tl	205	209	He	0.016	ppb	63.6	170.01	0.0012	Pulse	0.1000	3
Pb	208	209	He	-0.012	ppb	N/A	216.67	0.0015	Pulse	0.1000	3
U	238	209	He	0.010	ppb	100.4	196.68	0.0014	Pulse	0.1000	3

ISTD Table:

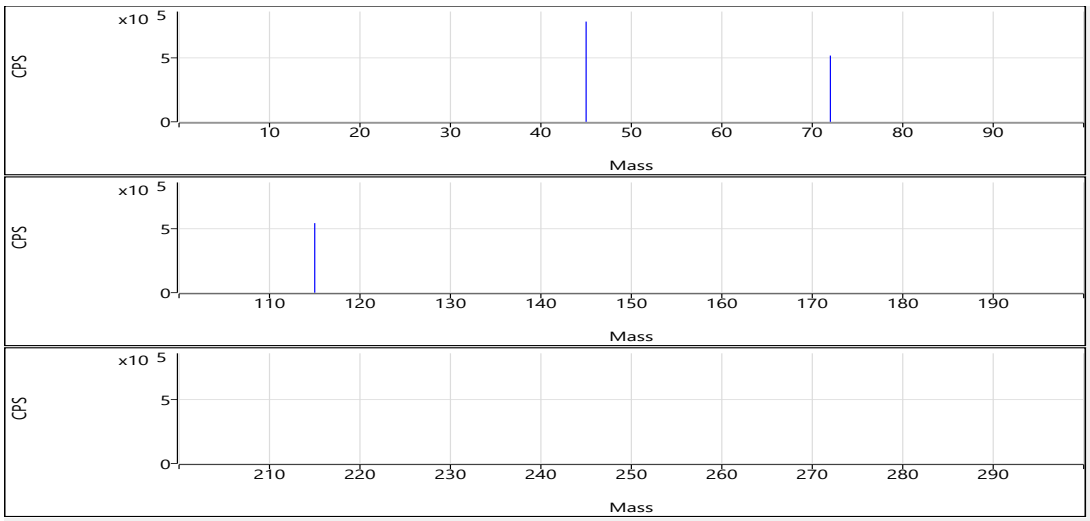
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	697155.43	0.5	102.0	Pulse	0.1000	3
No Gas	Ge	72	355932.61	0.6	98.4	Pulse	0.1000	3
H2	Sc	45	789427.65	0.8	102.1	Pulse	0.1000	3
H2	Ge	72	521720.53	0.4	95.9	Pulse	0.1000	3
H2	In	115	547821.35	1.0	99.3	Pulse	0.1000	3
He	Sc	45	56881.19	2.1	101.9	Pulse	0.1000	3
He	Ge	72	86559.67	1.7	96.9	Pulse	0.1000	3
He	In	115	77554.83	2.1	102.1	Pulse	0.1000	3
He	Tb	159	230684.37	1.5	105.0	Pulse	0.1000	3
He	Bi	209	145545.60	0.9	105.6	Pulse	0.1000	3

No Gas

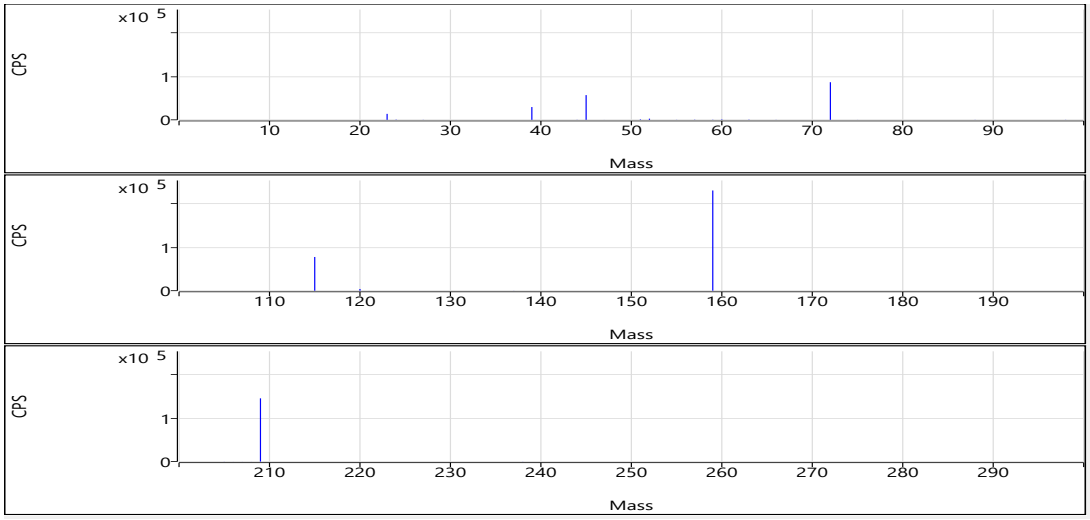


H2



Quantitation Report

He



Quantitation Report

Data File Name	072SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:11:25
Sample Name	MB 410-681311/1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

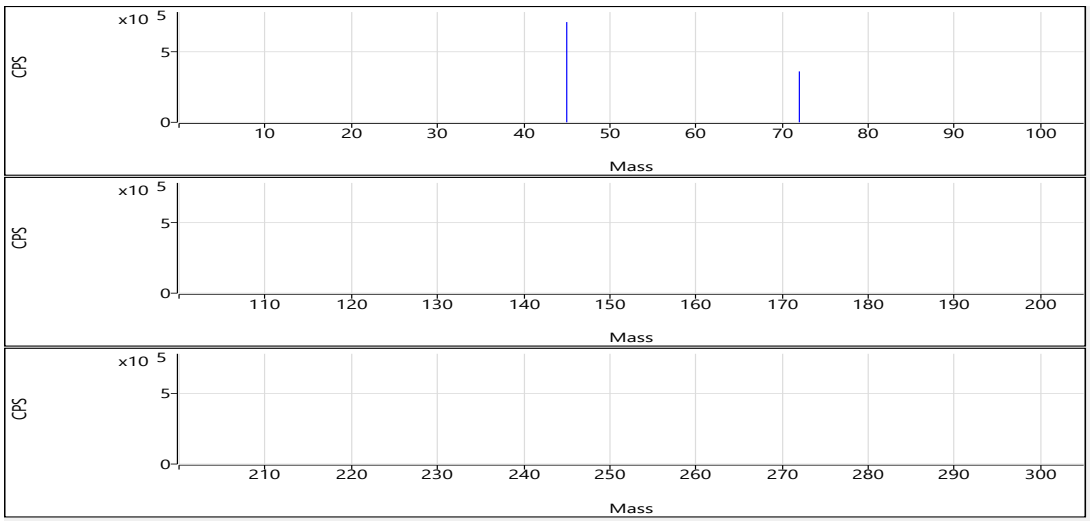
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.058	ppb	N/A	12.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.006	ppb	23.7	8.89	0.0000	Pulse	1.5000	3
Na	23	45	He	-12.879	ppb	N/A	12819.20	0.2165	Pulse	0.1000	3
Mg	24	45	He	-0.933	ppb	N/A	530.04	0.0090	Pulse	0.1000	3
Al	27	45	He	0.027	ppb	1459.7	156.67	0.0026	Pulse	0.1000	3
K	39	45	He	-5.917	ppb	N/A	29617.14	0.5005	Pulse	0.1000	3
Ca	44	45	He	-4.831	ppb	N/A	236.68	0.0040	Pulse	0.1000	3
Ti	47	45	He	0.810	ppb	139.1	36.67	0.0006	Pulse	0.1000	3
V	51	45	He	-0.070	ppb	N/A	886.03	0.0150	Pulse	0.5000	3
Cr	52	72	He	0.090	ppb	32.0	2136.91	0.0241	Pulse	0.1000	3
Mn	55	45	He	-0.035	ppb	N/A	236.68	0.0040	Pulse	0.1000	3
Fe	57	45	He	1.043	ppb	122.6	293.35	0.0050	Pulse	0.1000	3
Co	59	72	He	0.064	ppb	0.9	383.35	0.0043	Pulse	0.1000	3
Ni	60	115	He	-0.359	ppb	N/A	836.72	0.0105	Pulse	0.1000	3
Cu	63	115	He	0.083	ppb	36.7	470.02	0.0059	Pulse	0.1000	3
Zn	66	72	He	0.131	ppb	77.2	126.67	0.0014	Pulse	0.1000	3
As	75	72	He	0.122	ppb	17.8	85.33	0.0010	Pulse	0.5000	3
Sr	88	72	He	-0.108	ppb	N/A	166.68	0.0019	Pulse	0.1000	3
Mo	98	72	He	0.035	ppb	92.2	116.67	0.0013	Pulse	0.1000	3
Ag	107	115	He	0.007	ppb	116.7	60.00	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.004	ppb	4.5	4.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.467	ppb	N/A	3803.99	0.0478	Pulse	0.1000	3
Sb	121	115	He	0.006	ppb	284.9	33.33	0.0004	Pulse	0.1000	3
Ba	137	115	He	-0.010	ppb	N/A	93.34	0.0012	Pulse	0.1000	3
Tl	205	209	He	0.006	ppb	54.8	113.34	0.0008	Pulse	0.1000	3
Pb	208	209	He	-0.012	ppb	N/A	216.67	0.0015	Pulse	0.1000	3
U	238	209	He	0.002	ppb	72.2	140.01	0.0009	Pulse	0.1000	3

ISTD Table:

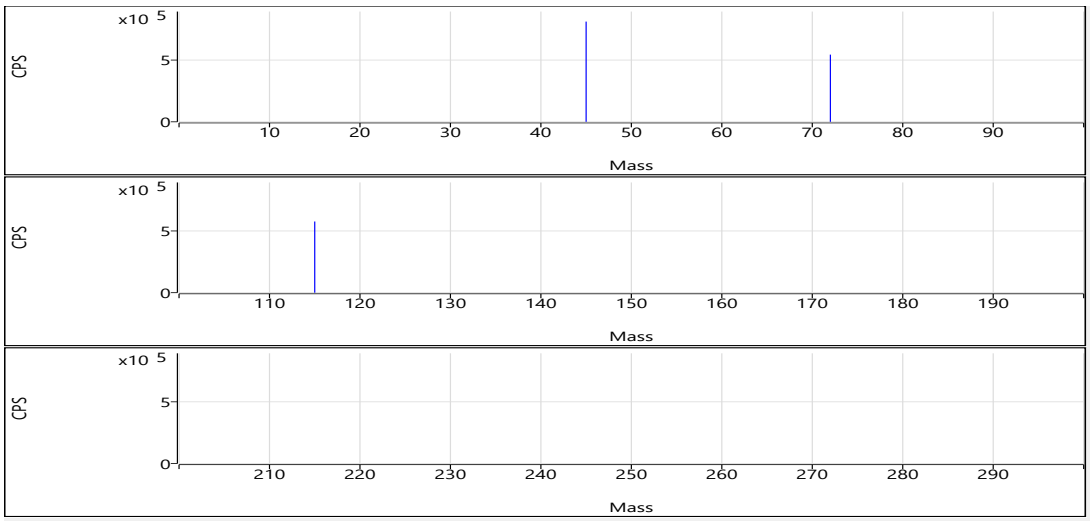
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	711249.47	0.3	104.0	Pulse	0.1000	3
No Gas	Ge	72	361224.07	0.4	99.9	Pulse	0.1000	3
H2	Sc	45	808728.74	0.7	104.6	Pulse	0.1000	3
H2	Ge	72	542217.77	0.6	99.7	Pulse	0.1000	3
H2	In	115	574447.54	0.9	104.2	Pulse	0.1000	3
He	Sc	45	59207.16	1.4	106.1	Pulse	0.1000	3
He	Ge	72	88565.32	1.5	99.2	Pulse	0.1000	3
He	In	115	79593.86	2.1	104.8	Pulse	0.1000	3
He	Tb	159	234038.49	0.7	106.5	Pulse	0.1000	3
He	Bi	209	148800.45	0.2	108.0	Pulse	0.1000	3

No Gas

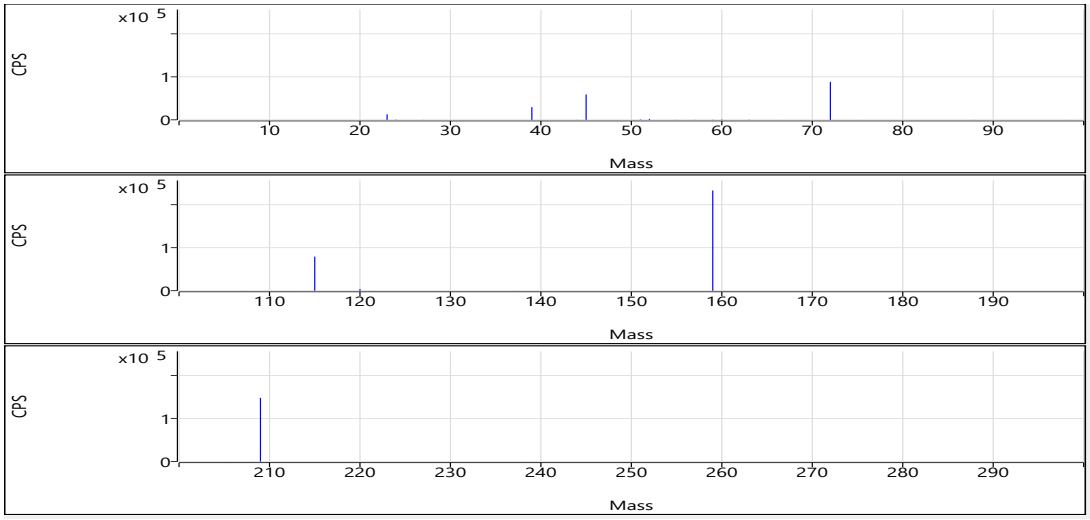


H2



Quantitation Report

He



Quantitation Report

Data File Name	073SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:13:31
Sample Name	MB 410-685070/1-A
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

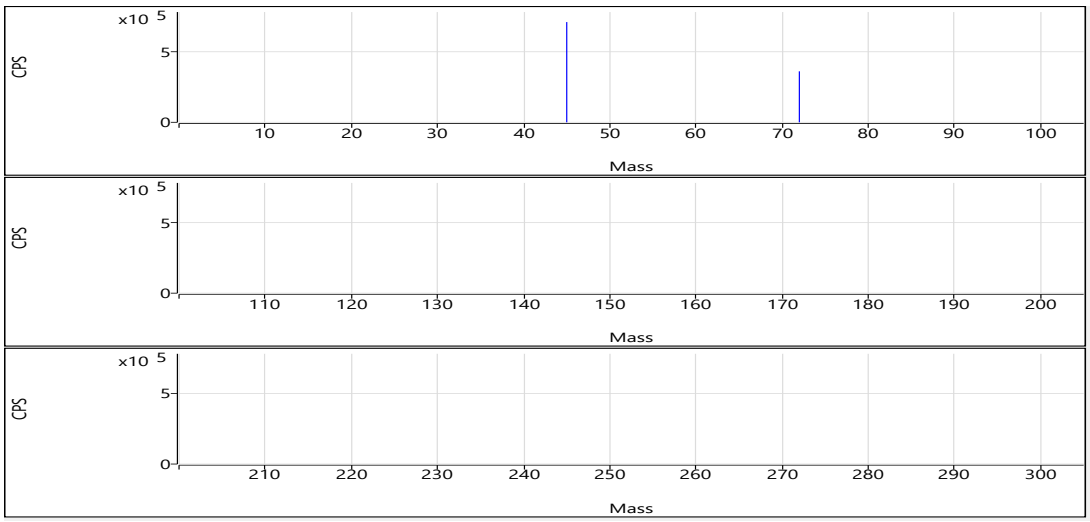
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.073	ppb	N/A	8.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.001	ppb	N/A	7.33	0.0000	Pulse	1.5000	3
Na	23	45	He	-13.708	ppb	N/A	12508.96	0.2133	Pulse	0.1000	3
Mg	24	45	He	-1.226	ppb	N/A	490.03	0.0084	Pulse	0.1000	3
Al	27	45	He	-0.335	ppb	N/A	140.01	0.0024	Pulse	0.1000	3
K	39	45	He	-6.961	ppb	N/A	29209.80	0.4986	Pulse	0.1000	3
Ca	44	45	He	-8.563	ppb	N/A	213.34	0.0036	Pulse	0.1000	3
Ti	47	45	He	0.242	ppb	56.2	13.33	0.0002	Pulse	0.1000	3
V	51	45	He	-0.101	ppb	N/A	830.03	0.0142	Pulse	0.5000	3
Cr	52	72	He	-0.035	ppb	N/A	1953.54	0.0216	Pulse	0.1000	3
Mn	55	45	He	0.096	ppb	69.7	353.35	0.0060	Pulse	0.1000	3
Fe	57	45	He	-0.973	ppb	N/A	216.68	0.0037	Pulse	0.1000	3
Co	59	72	He	0.032	ppb	38.8	286.68	0.0032	Pulse	0.1000	3
Ni	60	115	He	-0.409	ppb	N/A	793.39	0.0099	Pulse	0.1000	3
Cu	63	115	He	0.040	ppb	73.1	360.02	0.0045	Pulse	0.1000	3
Zn	66	72	He	0.260	ppb	45.3	166.68	0.0018	Pulse	0.1000	3
As	75	72	He	0.103	ppb	48.3	82.67	0.0009	Pulse	0.5000	3
Sr	88	72	He	-0.142	ppb	N/A	130.01	0.0014	Pulse	0.1000	3
Mo	98	72	He	0.025	ppb	120.2	100.00	0.0011	Pulse	0.1000	3
Ag	107	115	He	0.001	ppb	194.7	40.00	0.0005	Pulse	0.1000	3
Cd	111	115	He	-0.002	ppb	N/A	1.33	0.0000	Pulse	0.5000	3
Sn	120	115	He	-0.708	ppb	N/A	3447.22	0.0432	Pulse	0.1000	3
Sb	121	115	He	0.004	ppb	186.8	30.00	0.0004	Pulse	0.1000	3
Ba	137	115	He	-0.023	ppb	N/A	86.67	0.0011	Pulse	0.1000	3
Tl	205	209	He	0.015	ppb	73.8	163.34	0.0011	Pulse	0.1000	3
Pb	208	209	He	-0.016	ppb	N/A	180.00	0.0012	Pulse	0.1000	3
U	238	209	He	0.006	ppb	75.9	170.01	0.0012	Pulse	0.1000	3

ISTD Table:

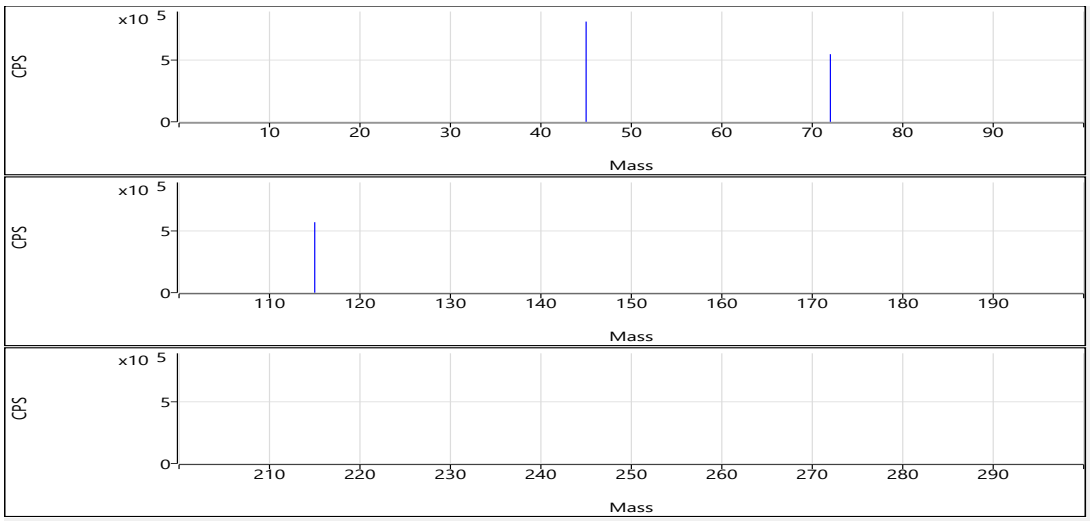
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	711415.80	0.3	104.1	Pulse	0.1000	3
No Gas	Ge	72	361807.27	0.8	100.0	Pulse	0.1000	3
H2	Sc	45	807531.97	0.8	104.4	Pulse	0.1000	3
H2	Ge	72	544886.45	0.9	100.2	Pulse	0.1000	3
H2	In	115	567836.01	0.5	103.0	Pulse	0.1000	3
He	Sc	45	58648.36	2.0	105.1	Pulse	0.1000	3
He	Ge	72	90289.42	0.6	101.1	Pulse	0.1000	3
He	In	115	79771.15	1.4	105.1	Pulse	0.1000	3
He	Tb	159	233705.69	0.7	106.3	Pulse	0.1000	3
He	Bi	209	144917.91	1.2	105.2	Pulse	0.1000	3

No Gas

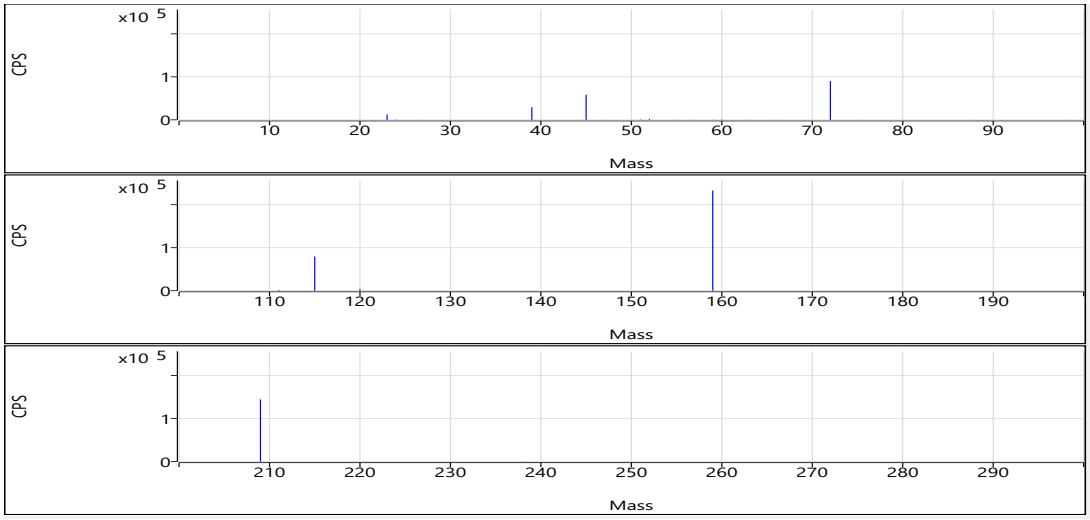


H2



Quantitation Report

He



Quantitation Report

Data File Name	075SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:17:43
Sample Name	LCS 410-681311/2-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

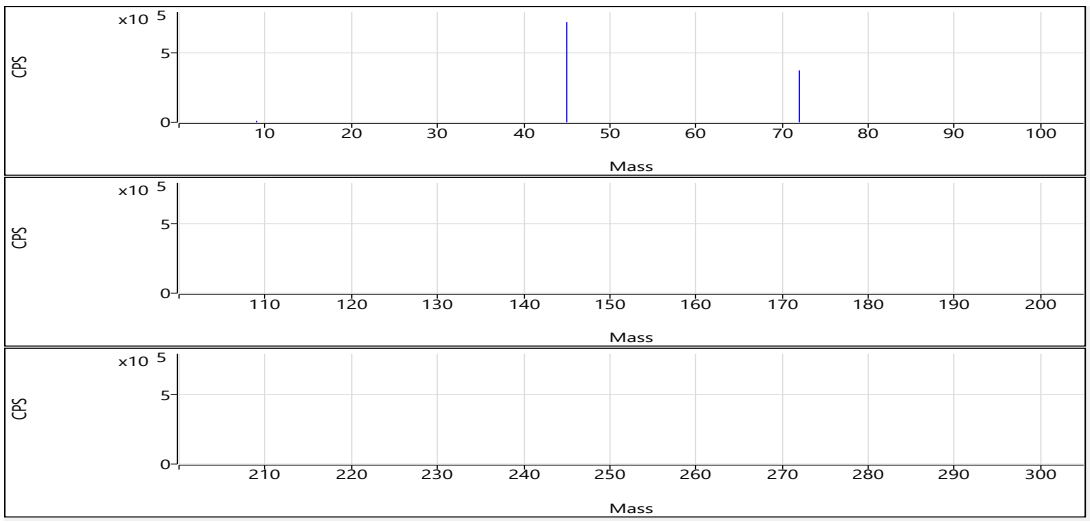
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.672	ppb	0.9	10572.44	0.0146	Pulse	0.5000	3
Se	78	72	H2	97.030	ppb	0.7	21987.36	0.0385	Pulse	1.5000	3
Na	23	45	He	4690.147	ppb	1.1	1151897.51	18.6360	Pulse	0.1000	3
Mg	24	45	He	4666.003	ppb	1.4	574814.77	9.2999	Pulse	0.1000	3
Al	27	45	He	4697.956	ppb	2.2	203618.12	3.2945	Pulse	0.1000	3
K	39	45	He	4715.337	ppb	2.2	573890.23	9.2853	Pulse	0.1000	3
Ca	44	45	He	4614.903	ppb	3.1	28431.57	0.4600	Pulse	0.1000	3
Ti	47	45	He	472.798	ppb	3.6	20131.16	0.3256	Pulse	0.1000	3
V	51	45	He	457.311	ppb	1.4	742010.44	12.0048	Pulse	0.5000	3
Cr	52	72	He	482.078	ppb	1.4	916661.42	9.6552	Pulse	0.1000	3
Mn	55	45	He	458.635	ppb	1.5	442230.49	7.1547	Pulse	0.1000	3
Fe	57	45	He	4596.329	ppb	1.3	178432.71	2.8868	Pulse	0.1000	3
Co	59	72	He	484.760	ppb	1.6	1645015.91	17.3273	Pulse	0.1000	3
Ni	60	115	He	474.032	ppb	1.6	454106.32	5.5280	Pulse	0.1000	3
Cu	63	115	He	474.528	ppb	1.2	1252494.05	15.2465	Pulse	0.1000	3
Zn	66	72	He	495.335	ppb	0.2	151959.25	1.6003	Pulse	0.1000	3
As	75	72	He	488.011	ppb	1.5	116252.63	1.2245	Pulse	0.5000	3
Sr	88	72	He	46.013	ppb	3.0	58125.81	0.6124	Pulse	0.1000	3
Mo	98	72	He	46.638	ppb	2.3	90995.16	0.9586	Pulse	0.1000	3
Ag	107	115	He	48.474	ppb	1.0	184614.24	2.2472	Pulse	0.1000	3
Cd	111	115	He	48.019	ppb	1.1	23044.89	0.2805	Pulse	0.5000	3
Sn	120	115	He	91.226	ppb	0.5	148152.00	1.8034	Pulse	0.1000	3
Sb	121	115	He	92.079	ppb	2.1	128959.74	1.5699	Pulse	0.1000	3
Ba	137	115	He	472.879	ppb	1.4	242009.22	2.9461	Pulse	0.1000	3
Tl	205	209	He	97.663	ppb	1.1	592609.50	3.9621	Pulse	0.1000	3
Pb	208	209	He	47.961	ppb	0.7	387701.73	2.5920	Pulse	0.1000	3
U	238	209	He	47.625	ppb	1.5	373192.75	2.4951	Pulse	0.1000	3

ISTD Table:

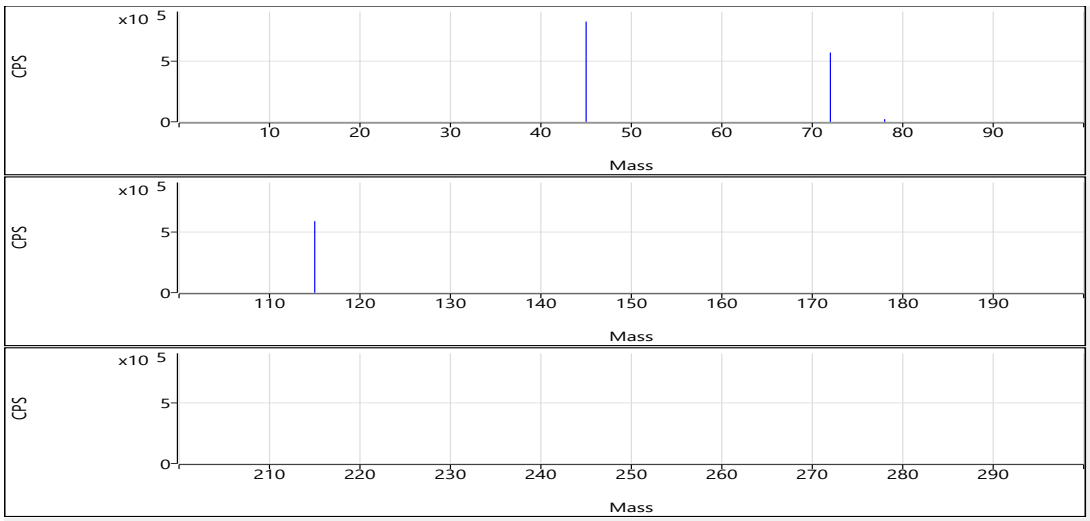
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	723498.40	0.4	105.8	Pulse	0.1000	3
No Gas	Ge	72	374608.00	0.8	103.6	Pulse	0.1000	3
H2	Sc	45	827361.84	0.9	107.0	Pulse	0.1000	3
H2	Ge	72	571761.50	0.0	105.1	Pulse	0.1000	3
H2	In	115	590663.26	0.4	107.1	Pulse	0.1000	3
He	Sc	45	61814.61	1.0	110.7	Pulse	0.1000	3
He	Ge	72	94955.75	1.8	106.3	Pulse	0.1000	3
He	In	115	82153.19	0.8	108.2	Pulse	0.1000	3
He	Tb	159	243104.98	0.3	110.6	Pulse	0.1000	3
He	Bi	209	149581.32	1.0	108.6	Pulse	0.1000	3

No Gas

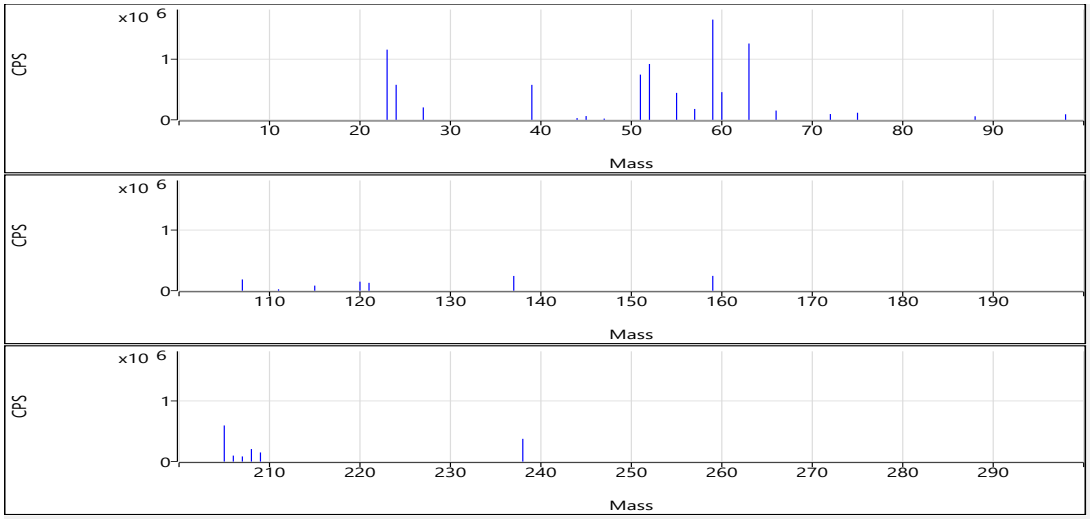


H2



Quantitation Report

He



Quantitation Report

Data File Name	076SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:19:49
Sample Name	LCS 410-681233/2-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

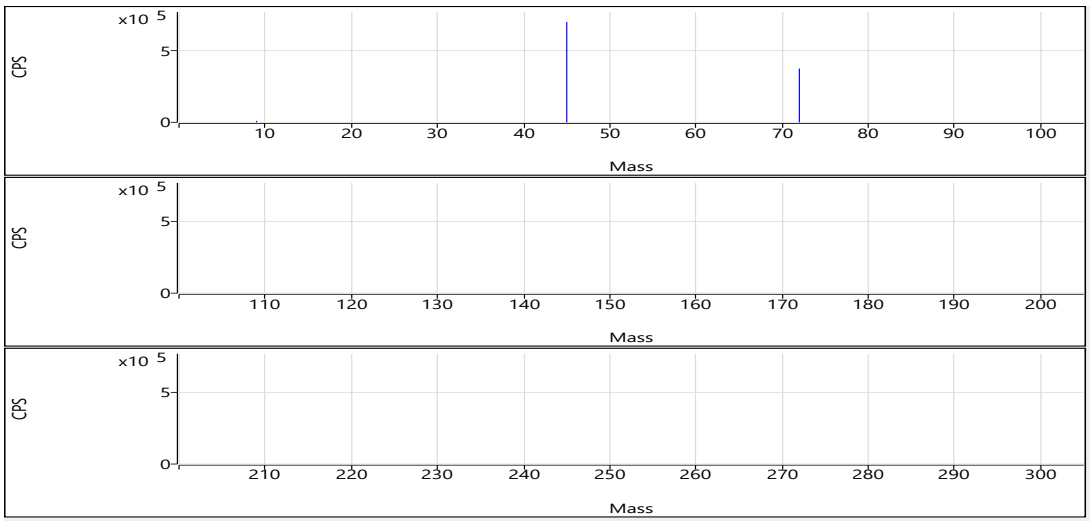
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.574	ppb	0.8	10027.38	0.0143	Pulse	0.5000	3
Se	78	72	H2	98.767	ppb	0.6	22411.13	0.0391	Pulse	1.5000	3
Na	23	45	He	4821.425	ppb	0.9	1145122.54	19.1502	Pulse	0.1000	3
Mg	24	45	He	4755.160	ppb	0.8	566723.38	9.4774	Pulse	0.1000	3
Al	27	45	He	4737.051	ppb	1.3	198628.32	3.3219	Pulse	0.1000	3
K	39	45	He	4811.944	ppb	0.7	565949.65	9.4651	Pulse	0.1000	3
Ca	44	45	He	4707.263	ppb	3.0	28047.58	0.4691	Pulse	0.1000	3
Ti	47	45	He	480.978	ppb	2.1	19807.25	0.3312	Pulse	0.1000	3
V	51	45	He	473.375	ppb	0.4	742994.94	12.4259	Pulse	0.5000	3
Cr	52	72	He	485.091	ppb	0.9	916018.16	9.7154	Pulse	0.1000	3
Mn	55	45	He	477.448	ppb	0.6	445379.80	7.4480	Pulse	0.1000	3
Fe	57	45	He	4760.973	ppb	1.2	178810.25	2.9901	Pulse	0.1000	3
Co	59	72	He	492.021	ppb	0.9	1658177.01	17.5868	Pulse	0.1000	3
Ni	60	115	He	492.499	ppb	0.4	456871.22	5.7427	Pulse	0.1000	3
Cu	63	115	He	497.018	ppb	0.5	1270475.14	15.9689	Pulse	0.1000	3
Zn	66	72	He	551.485	ppb	0.5	167977.18	1.7816	Pulse	0.1000	3
As	75	72	He	493.703	ppb	1.0	116797.01	1.2388	Pulse	0.5000	3
Sr	88	72	He	46.630	ppb	1.4	58500.66	0.6205	Pulse	0.1000	3
Mo	98	72	He	49.452	ppb	0.8	95823.95	1.0163	Pulse	0.1000	3
Ag	107	115	He	50.460	ppb	0.4	186105.41	2.3392	Pulse	0.1000	3
Cd	111	115	He	49.212	ppb	0.6	22871.27	0.2875	Pulse	0.5000	3
Sn	120	115	He	96.542	ppb	0.3	151569.69	1.9052	Pulse	0.1000	3
Sb	121	115	He	100.235	ppb	1.8	135961.05	1.7090	Pulse	0.1000	3
Ba	137	115	He	487.440	ppb	0.7	241590.24	3.0367	Pulse	0.1000	3
Tl	205	209	He	96.538	ppb	1.0	580166.85	3.9164	Pulse	0.1000	3
Pb	208	209	He	48.353	ppb	0.4	387128.27	2.6132	Pulse	0.1000	3
U	238	209	He	48.705	ppb	1.2	377983.35	2.5517	Pulse	0.1000	3

ISTD Table:

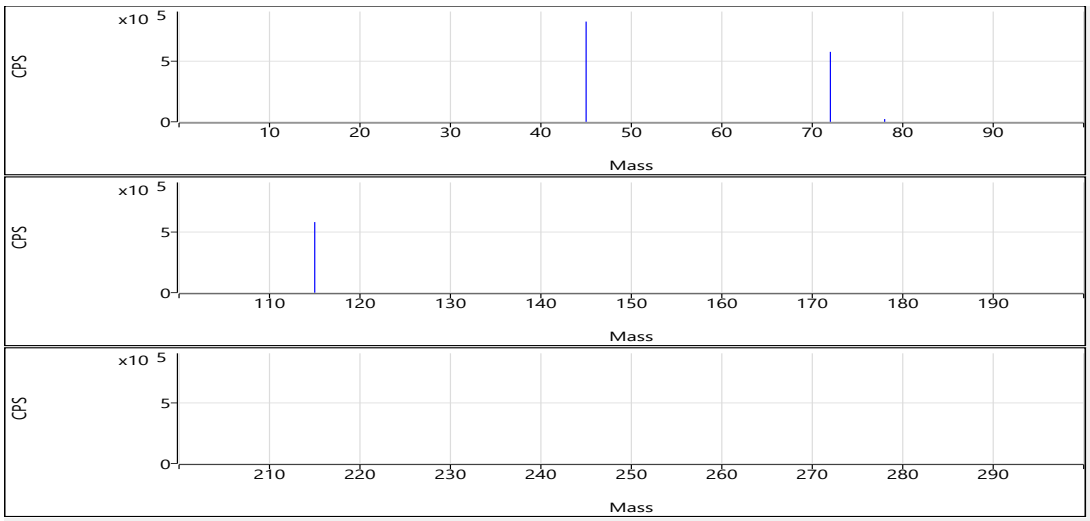
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	702029.52	0.9	102.7	Pulse	0.1000	3
No Gas	Ge	72	376379.68	1.1	104.1	Pulse	0.1000	3
H2	Sc	45	820217.57	0.8	106.0	Pulse	0.1000	3
H2	Ge	72	572539.04	0.9	105.2	Pulse	0.1000	3
H2	In	115	577799.88	0.7	104.8	Pulse	0.1000	3
He	Sc	45	59796.25	1.3	107.1	Pulse	0.1000	3
He	Ge	72	94282.01	0.6	105.6	Pulse	0.1000	3
He	In	115	79557.19	1.1	104.8	Pulse	0.1000	3
He	Tb	159	238011.49	1.0	108.3	Pulse	0.1000	3
He	Bi	209	148148.45	1.5	107.5	Pulse	0.1000	3

No Gas

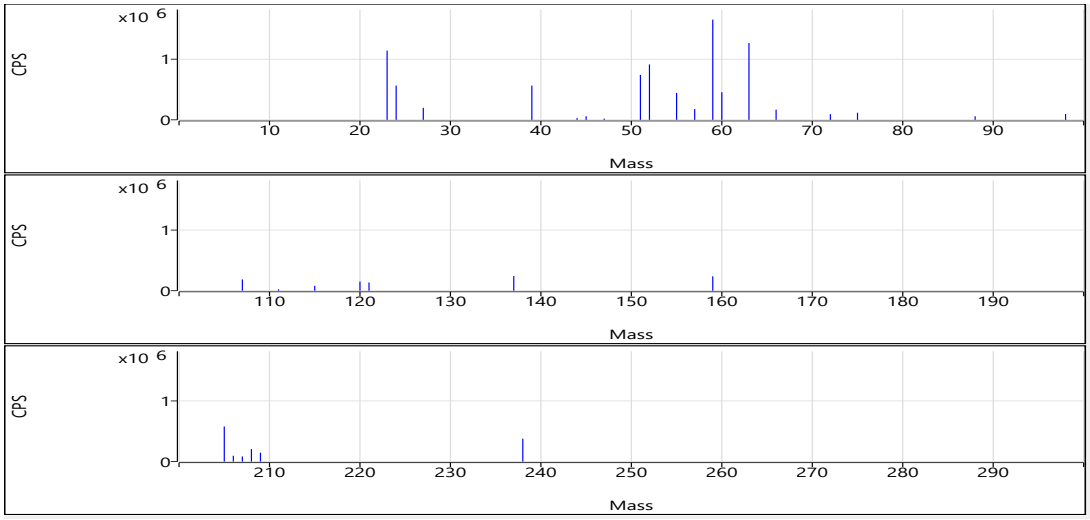


H2



Quantitation Report

He



Quantitation Report

Data File Name	077SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:21:55
Sample Name	LCS 410-682812/2-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

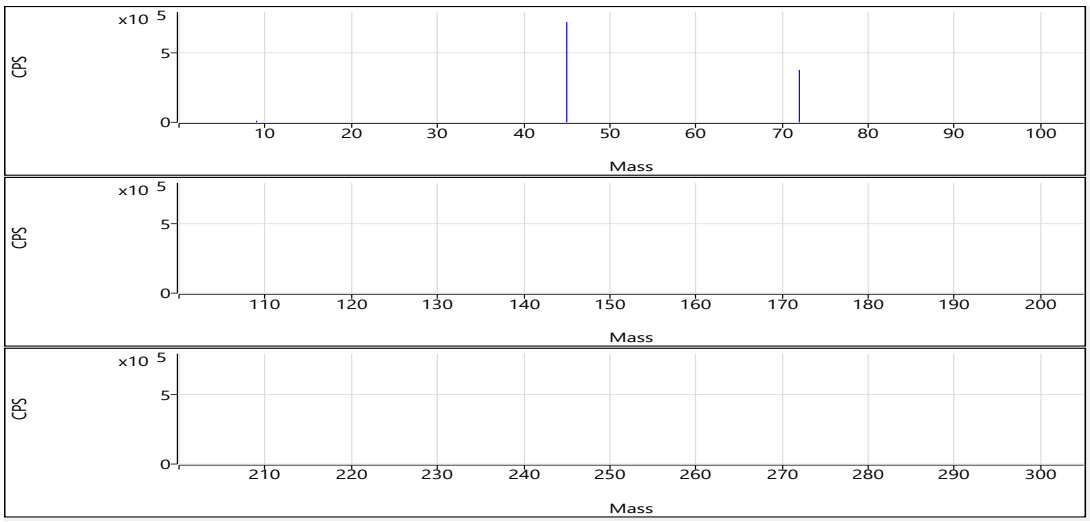
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	50.207	ppb	0.7	10834.64	0.0151	Pulse	0.5000	3
Se	78	72	H2	98.070	ppb	1.3	22207.03	0.0389	Pulse	1.5000	3
Na	23	45	He	4857.568	ppb	0.3	1132361.23	19.2917	Pulse	0.1000	3
Mg	24	45	He	4833.155	ppb	0.5	565393.80	9.6327	Pulse	0.1000	3
Al	27	45	He	4810.467	ppb	0.8	198029.78	3.3734	Pulse	0.1000	3
K	39	45	He	4864.208	ppb	0.7	561331.72	9.5623	Pulse	0.1000	3
Ca	44	45	He	4703.701	ppb	0.5	27516.61	0.4688	Pulse	0.1000	3
Ti	47	45	He	489.968	ppb	4.7	19797.33	0.3374	Pulse	0.1000	3
V	51	45	He	476.313	ppb	0.5	733864.29	12.5029	Pulse	0.5000	3
Cr	52	72	He	490.978	ppb	0.8	908694.05	9.8330	Pulse	0.1000	3
Mn	55	45	He	479.016	ppb	0.7	438598.20	7.4724	Pulse	0.1000	3
Fe	57	45	He	4784.722	ppb	0.8	176369.41	3.0050	Pulse	0.1000	3
Co	59	72	He	493.823	ppb	1.0	1631218.99	17.6512	Pulse	0.1000	3
Ni	60	115	He	488.251	ppb	1.0	449849.81	5.6933	Pulse	0.1000	3
Cu	63	115	He	491.213	ppb	1.1	1247044.44	15.7825	Pulse	0.1000	3
Zn	66	72	He	498.070	ppb	1.2	148711.42	1.6092	Pulse	0.1000	3
As	75	72	He	493.085	ppb	0.8	114335.27	1.2372	Pulse	0.5000	3
Sr	88	72	He	47.155	ppb	0.8	57981.77	0.6275	Pulse	0.1000	3
Mo	98	72	He	47.839	ppb	1.8	90868.20	0.9832	Pulse	0.1000	3
Ag	107	115	He	49.244	ppb	1.2	180365.06	2.2829	Pulse	0.1000	3
Cd	111	115	He	49.356	ppb	1.0	22779.79	0.2883	Pulse	0.5000	3
Sn	120	115	He	95.596	ppb	0.6	149094.61	1.8871	Pulse	0.1000	3
Sb	121	115	He	94.948	ppb	0.5	127907.39	1.6188	Pulse	0.1000	3
Ba	137	115	He	483.071	ppb	1.8	237766.80	3.0095	Pulse	0.1000	3
Tl	205	209	He	100.525	ppb	1.2	594610.74	4.0782	Pulse	0.1000	3
Pb	208	209	He	48.532	ppb	0.7	382453.72	2.6229	Pulse	0.1000	3
U	238	209	He	48.222	ppb	0.4	368408.41	2.5264	Pulse	0.1000	3

ISTD Table:

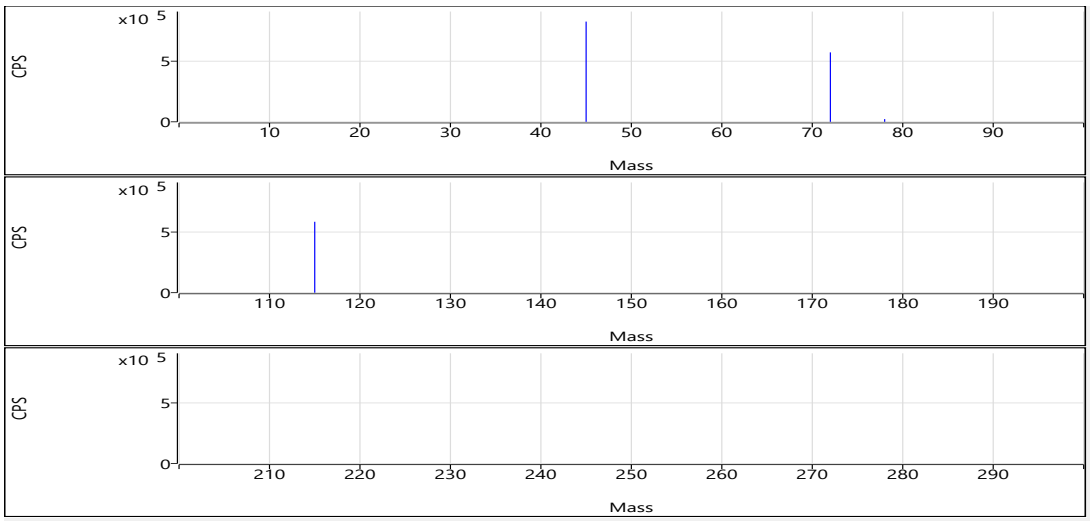
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	718803.24	0.7	105.1	Pulse	0.1000	3
No Gas	Ge	72	375254.47	1.0	103.7	Pulse	0.1000	3
H2	Sc	45	824881.06	2.1	106.6	Pulse	0.1000	3
H2	Ge	72	571412.16	1.2	105.0	Pulse	0.1000	3
H2	In	115	583639.86	0.8	105.8	Pulse	0.1000	3
He	Sc	45	58698.03	1.9	105.2	Pulse	0.1000	3
He	Ge	72	92409.09	1.0	103.5	Pulse	0.1000	3
He	In	115	79013.94	1.9	104.1	Pulse	0.1000	3
He	Tb	159	235367.97	1.9	107.1	Pulse	0.1000	3
He	Bi	209	145830.27	2.3	105.9	Pulse	0.1000	3

No Gas

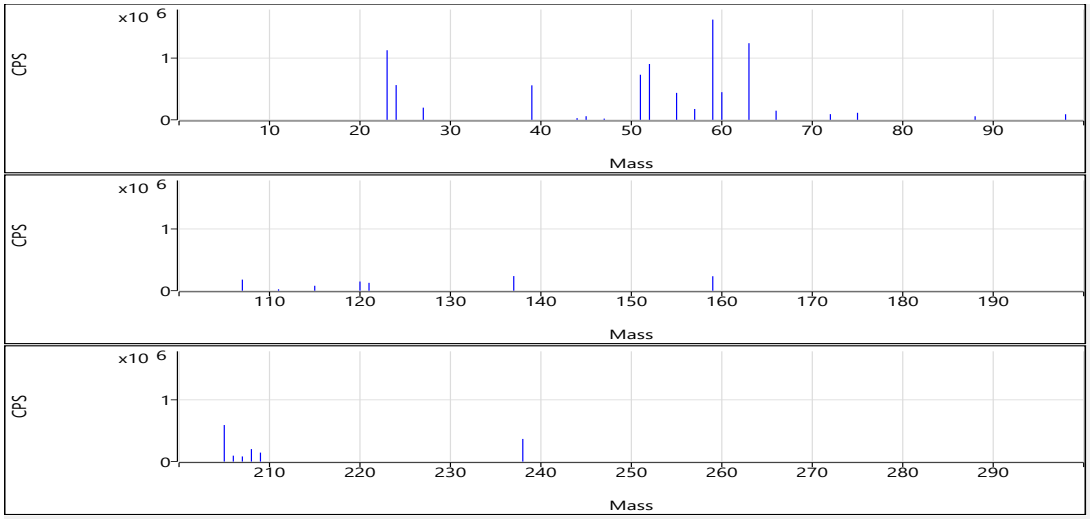


H2



Quantitation Report

He



Quantitation Report

Data File Name	078SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:24:02
Sample Name	LCS 410-685070/2-A
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

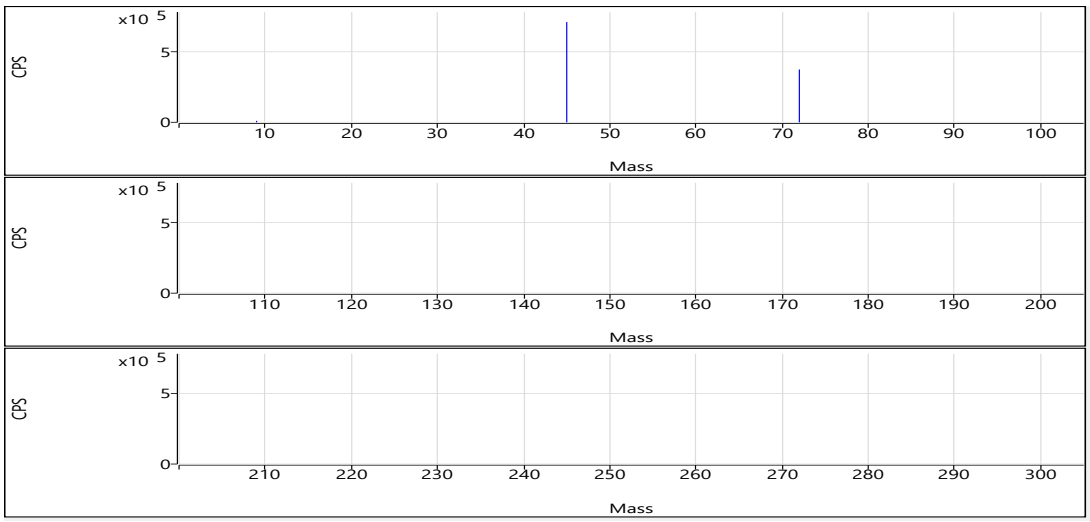
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.706	ppb	1.1	10195.52	0.0143	Pulse	0.5000	3
Se	78	72	H2	96.210	ppb	0.7	21673.12	0.0381	Pulse	1.5000	3
Na	23	45	He	4604.969	ppb	1.4	1107415.35	18.3024	Pulse	0.1000	3
Mg	24	45	He	4559.560	ppb	0.9	549895.03	9.0880	Pulse	0.1000	3
Al	27	45	He	4557.922	ppb	0.4	193415.14	3.1964	Pulse	0.1000	3
K	39	45	He	4613.242	ppb	0.5	550361.91	9.0954	Pulse	0.1000	3
Ca	44	45	He	4531.971	ppb	1.0	27342.90	0.4518	Pulse	0.1000	3
Ti	47	45	He	470.852	ppb	1.1	19623.79	0.3243	Pulse	0.1000	3
V	51	45	He	454.658	ppb	1.3	722155.31	11.9352	Pulse	0.5000	3
Cr	52	72	He	471.752	ppb	0.4	890043.29	9.4488	Pulse	0.1000	3
Mn	55	45	He	457.559	ppb	2.5	431889.34	7.1379	Pulse	0.1000	3
Fe	57	45	He	4604.873	ppb	1.8	174995.26	2.8922	Pulse	0.1000	3
Co	59	72	He	476.139	ppb	0.7	1603087.69	17.0192	Pulse	0.1000	3
Ni	60	115	He	473.788	ppb	0.6	438914.82	5.5251	Pulse	0.1000	3
Cu	63	115	He	479.242	ppb	1.4	1223096.05	15.3979	Pulse	0.1000	3
Zn	66	72	He	495.962	ppb	0.3	150930.39	1.6024	Pulse	0.1000	3
As	75	72	He	476.353	ppb	0.6	112582.84	1.1952	Pulse	0.5000	3
Sr	88	72	He	45.256	ppb	1.8	56740.44	0.6023	Pulse	0.1000	3
Mo	98	72	He	48.270	ppb	1.0	93451.24	0.9921	Pulse	0.1000	3
Ag	107	115	He	49.144	ppb	0.9	180975.06	2.2782	Pulse	0.1000	3
Cd	111	115	He	47.864	ppb	1.8	22209.54	0.2796	Pulse	0.5000	3
Sn	120	115	He	93.003	ppb	2.1	145941.49	1.8374	Pulse	0.1000	3
Sb	121	115	He	90.783	ppb	1.5	122949.44	1.5478	Pulse	0.1000	3
Ba	137	115	He	474.911	ppb	2.5	234988.95	2.9587	Pulse	0.1000	3
Tl	205	209	He	95.129	ppb	1.5	571999.40	3.8593	Pulse	0.1000	3
Pb	208	209	He	47.012	ppb	1.5	376575.07	2.5408	Pulse	0.1000	3
U	238	209	He	46.950	ppb	1.3	364598.70	2.4598	Pulse	0.1000	3

ISTD Table:

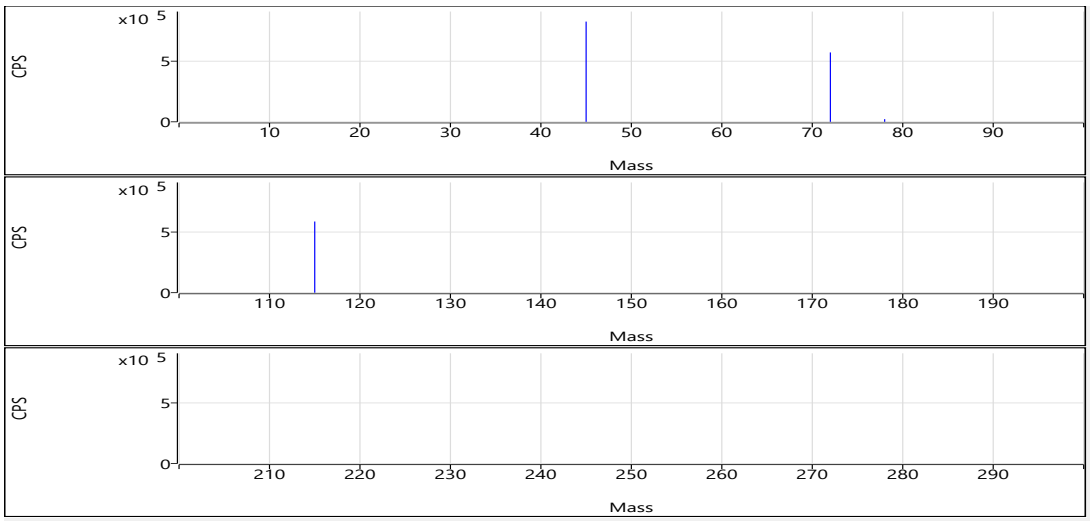
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	711806.71	0.4	104.1	Pulse	0.1000	3
No Gas	Ge	72	374917.56	0.7	103.7	Pulse	0.1000	3
H2	Sc	45	821194.13	0.1	106.2	Pulse	0.1000	3
H2	Ge	72	568386.10	0.4	104.5	Pulse	0.1000	3
H2	In	115	583220.88	0.9	105.7	Pulse	0.1000	3
He	Sc	45	60512.60	1.4	108.4	Pulse	0.1000	3
He	Ge	72	94194.17	0.7	105.5	Pulse	0.1000	3
He	In	115	79444.30	1.6	104.6	Pulse	0.1000	3
He	Tb	159	237633.37	0.3	108.1	Pulse	0.1000	3
He	Bi	209	148233.52	1.5	107.6	Pulse	0.1000	3

No Gas

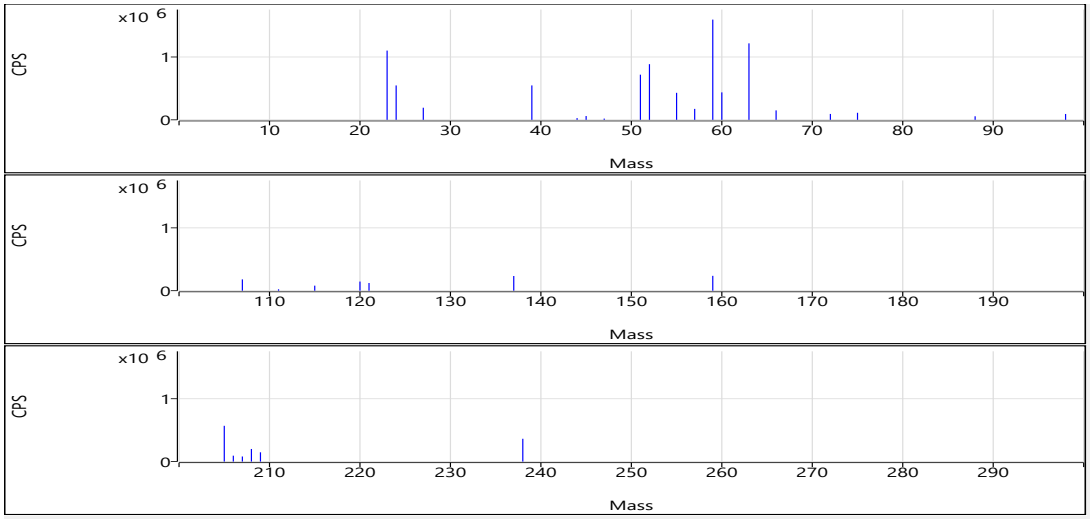


H2



Quantitation Report

He



Quantitation Report

Data File Name	080_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:28:14
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

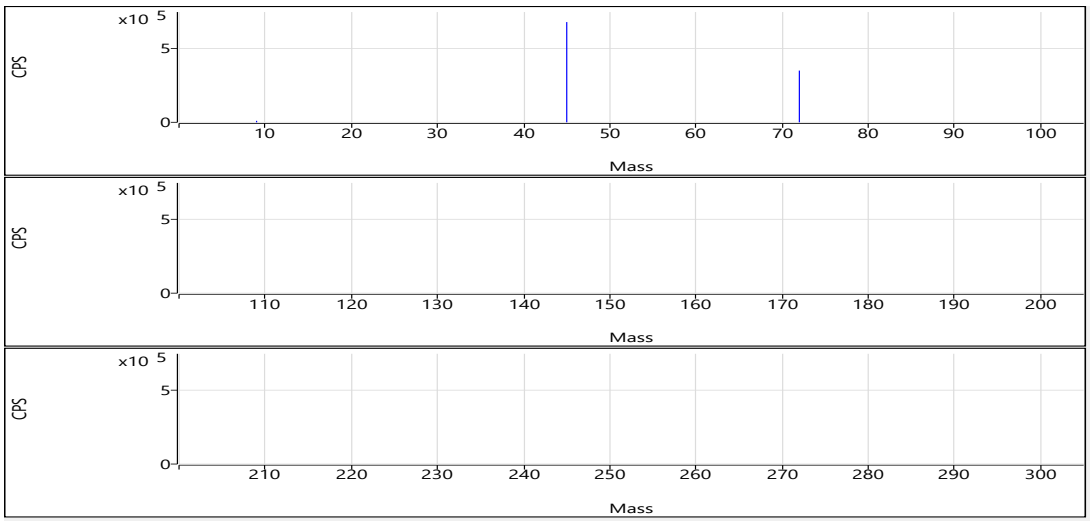
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.653	ppb	0.7	9924.67	0.0146	Pulse	0.5000	3
Se	78	72	H2	53.162	ppb	1.1	11387.83	0.0211	Pulse	1.5000	3
Na	23	45	He	5046.817	ppb	2.8	1133062.74	20.0329	Pulse	0.1000	3
Mg	24	45	He	5075.302	ppb	2.3	572117.63	10.1147	Pulse	0.1000	3
Al	27	45	He	5031.106	ppb	2.0	199564.74	3.5280	Pulse	0.1000	3
K	39	45	He	5037.965	ppb	2.5	559156.81	9.8856	Pulse	0.1000	3
Ca	44	45	He	4984.642	ppb	3.2	28084.35	0.4965	Pulse	0.1000	3
Ti	47	45	He	5034.105	ppb	2.3	196061.69	3.4663	Pulse	0.1000	3
V	51	45	He	507.664	ppb	1.9	753738.17	13.3247	Pulse	0.5000	3
Cr	52	72	He	523.089	ppb	1.1	920832.64	10.4747	Pulse	0.1000	3
Mn	55	45	He	503.724	ppb	1.7	444508.34	7.8576	Pulse	0.1000	3
Fe	57	45	He	5039.964	ppb	2.4	179037.60	3.1651	Pulse	0.1000	3
Co	59	72	He	531.309	ppb	0.2	1669691.90	18.9909	Pulse	0.1000	3
Ni	60	115	He	512.643	ppb	1.5	458266.00	5.9770	Pulse	0.1000	3
Cu	63	115	He	512.495	ppb	1.1	1262549.28	16.4661	Pulse	0.1000	3
Zn	66	72	He	523.817	ppb	0.5	148785.37	1.6923	Pulse	0.1000	3
As	75	72	He	524.536	ppb	0.7	115701.37	1.3161	Pulse	0.5000	3
Sr	88	72	He	51.465	ppb	2.2	60171.12	0.6845	Pulse	0.1000	3
Mo	98	72	He	53.440	ppb	1.4	96548.88	1.0983	Pulse	0.1000	3
Ag	107	115	He	51.673	ppb	0.7	183681.42	2.3955	Pulse	0.1000	3
Cd	111	115	He	51.326	ppb	2.3	22984.78	0.2998	Pulse	0.5000	3
Sn	120	115	He	50.724	ppb	1.3	78829.44	1.0279	Pulse	0.1000	3
Sb	121	115	He	51.643	ppb	1.9	67527.60	0.8806	Pulse	0.1000	3
Ba	137	115	He	510.145	ppb	0.5	243707.26	3.1781	Pulse	0.1000	3
Tl	205	209	He	50.516	ppb	1.0	294826.56	2.0496	Pulse	0.1000	3
Pb	208	209	He	50.547	ppb	0.9	392939.90	2.7317	Pulse	0.1000	3
U	238	209	He	50.395	ppb	0.9	379787.10	2.6402	Pulse	0.1000	3

ISTD Table:

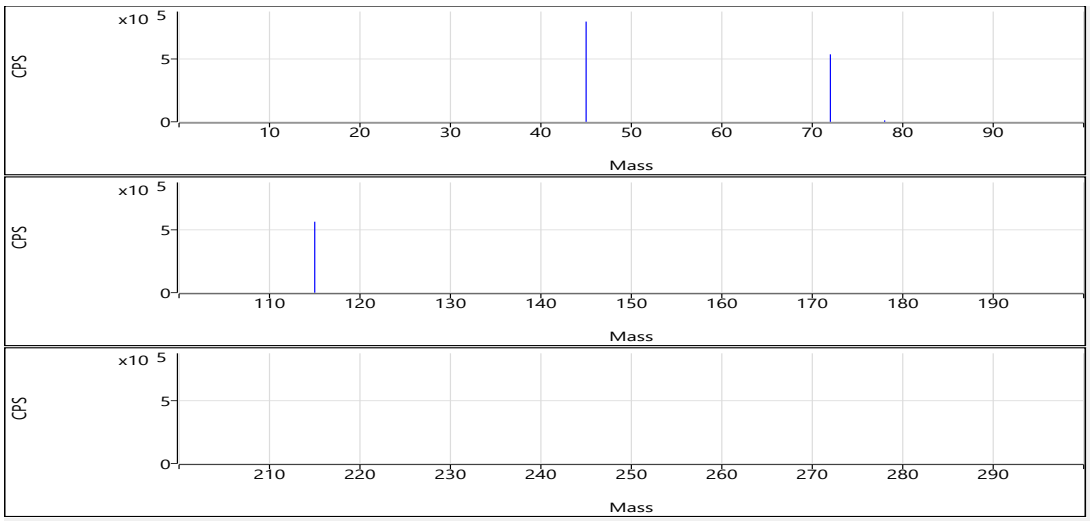
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	679430.72	0.2	99.4	Pulse	0.1000	3
No Gas	Ge	72	350549.59	0.3	96.9	Pulse	0.1000	3
H2	Sc	45	802586.65	0.8	103.8	Pulse	0.1000	3
H2	Ge	72	540332.65	0.8	99.3	Pulse	0.1000	3
H2	In	115	568312.77	0.7	103.0	Pulse	0.1000	3
He	Sc	45	56580.38	2.1	101.4	Pulse	0.1000	3
He	Ge	72	87919.05	1.4	98.4	Pulse	0.1000	3
He	In	115	76685.66	2.1	101.0	Pulse	0.1000	3
He	Tb	159	229993.88	1.3	104.6	Pulse	0.1000	3
He	Bi	209	143861.48	1.8	104.4	Pulse	0.1000	3

No Gas

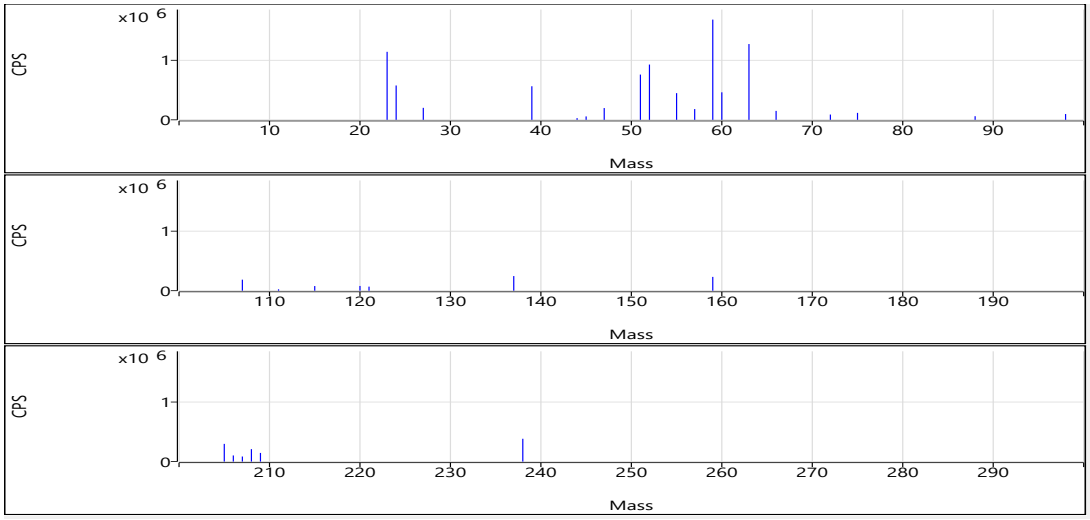


H2



Quantitation Report

He



Quantitation Report

Data File Name	089_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:48:35
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

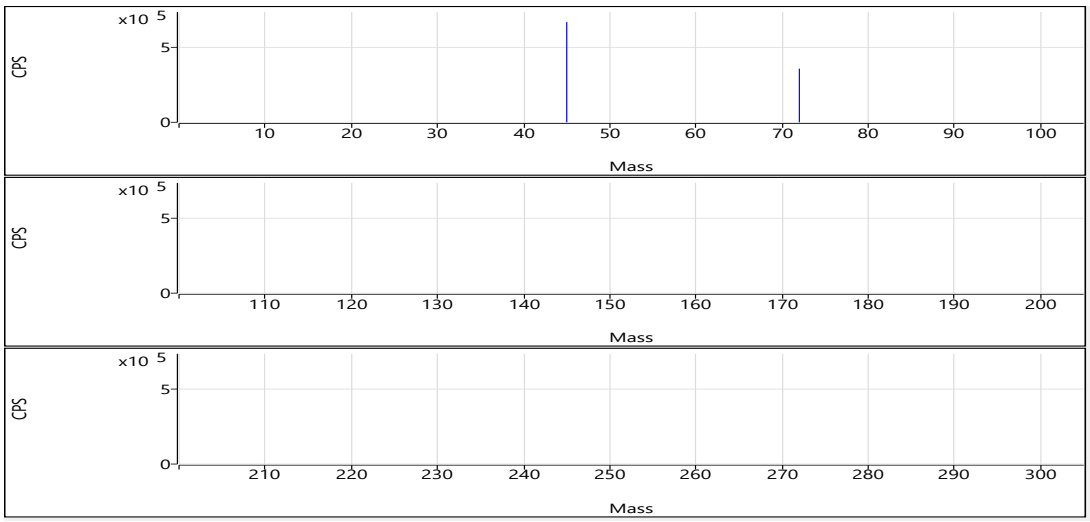
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.038	ppb	N/A	15.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.052	ppb	25.7	18.44	0.0000	Pulse	1.5000	3
Na	23	45	He	-1.133	ppb	N/A	14450.75	0.2625	Pulse	0.1000	3
Mg	24	45	He	1.354	ppb	43.6	743.38	0.0135	Pulse	0.1000	3
Al	27	45	He	2.039	ppb	6.2	223.34	0.0041	Pulse	0.1000	3
K	39	45	He	6.410	ppb	227.2	28819.07	0.5234	Pulse	0.1000	3
Ca	44	45	He	-1.781	ppb	N/A	236.68	0.0043	Pulse	0.1000	3
Ti	47	45	He	0.965	ppb	71.3	40.00	0.0007	Pulse	0.1000	3
V	51	45	He	0.156	ppb	17.4	1150.72	0.0209	Pulse	0.5000	3
Cr	52	72	He	0.136	ppb	38.8	2210.25	0.0251	Pulse	0.1000	3
Mn	55	45	He	0.042	ppb	131.6	286.68	0.0052	Pulse	0.1000	3
Fe	57	45	He	0.984	ppb	242.5	270.01	0.0049	Pulse	0.1000	3
Co	59	72	He	0.143	ppb	9.5	630.04	0.0071	Pulse	0.1000	3
Ni	60	115	He	0.017	ppb	1216.2	1106.75	0.0149	Pulse	0.1000	3
Cu	63	115	He	0.136	ppb	6.6	566.70	0.0076	Pulse	0.1000	3
Zn	66	72	He	0.145	ppb	39.7	130.01	0.0015	Pulse	0.1000	3
As	75	72	He	0.223	ppb	4.9	107.33	0.0012	Pulse	0.5000	3
Sr	88	72	He	-0.037	ppb	N/A	250.01	0.0028	Pulse	0.1000	3
Mo	98	72	He	0.021	ppb	116.4	90.00	0.0010	Pulse	0.1000	3
Ag	107	115	He	0.012	ppb	54.0	73.33	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.017	ppb	148.7	9.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	0.174	ppb	61.7	4474.20	0.0601	Pulse	0.1000	3
Sb	121	115	He	0.076	ppb	18.9	120.00	0.0016	Pulse	0.1000	3
Ba	137	115	He	0.148	ppb	47.9	160.01	0.0022	Pulse	0.1000	3
Tl	205	209	He	0.032	ppb	8.0	250.01	0.0018	Pulse	0.1000	3
Pb	208	209	He	0.005	ppb	123.9	330.01	0.0024	Pulse	0.1000	3
U	238	209	He	0.016	ppb	11.2	230.01	0.0017	Pulse	0.1000	3

ISTD Table:

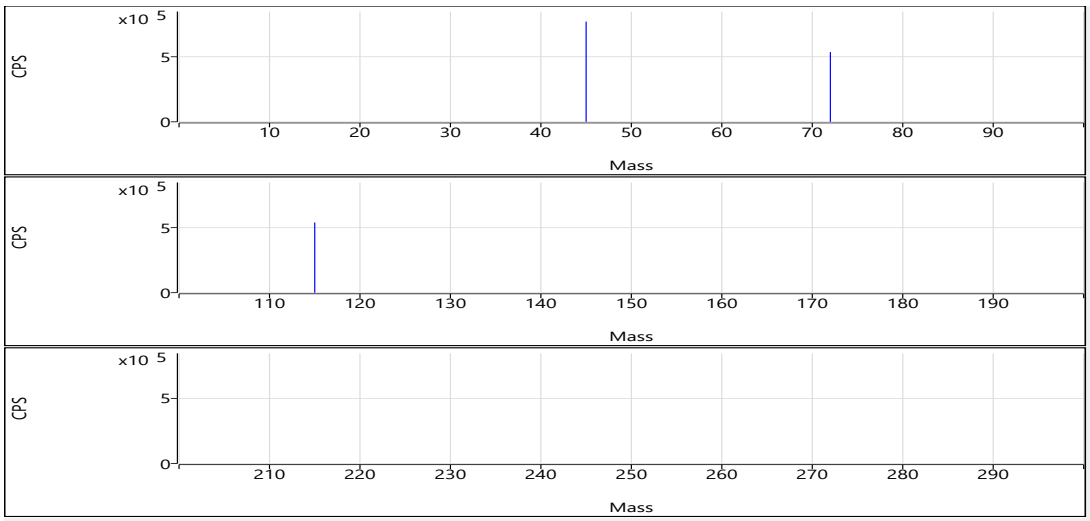
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	671924.76	0.6	98.3	Pulse	0.1000	3
No Gas	Ge	72	359681.41	0.6	99.4	Pulse	0.1000	3
H2	Sc	45	766869.10	0.5	99.1	Pulse	0.1000	3
H2	Ge	72	533319.17	0.5	98.0	Pulse	0.1000	3
H2	In	115	537249.13	0.2	97.4	Pulse	0.1000	3
He	Sc	45	55044.39	1.3	98.6	Pulse	0.1000	3
He	Ge	72	88220.02	0.9	98.8	Pulse	0.1000	3
He	In	115	74473.62	2.1	98.1	Pulse	0.1000	3
He	Tb	159	221816.18	2.1	100.9	Pulse	0.1000	3
He	Bi	209	138683.93	1.8	100.7	Pulse	0.1000	3

No Gas

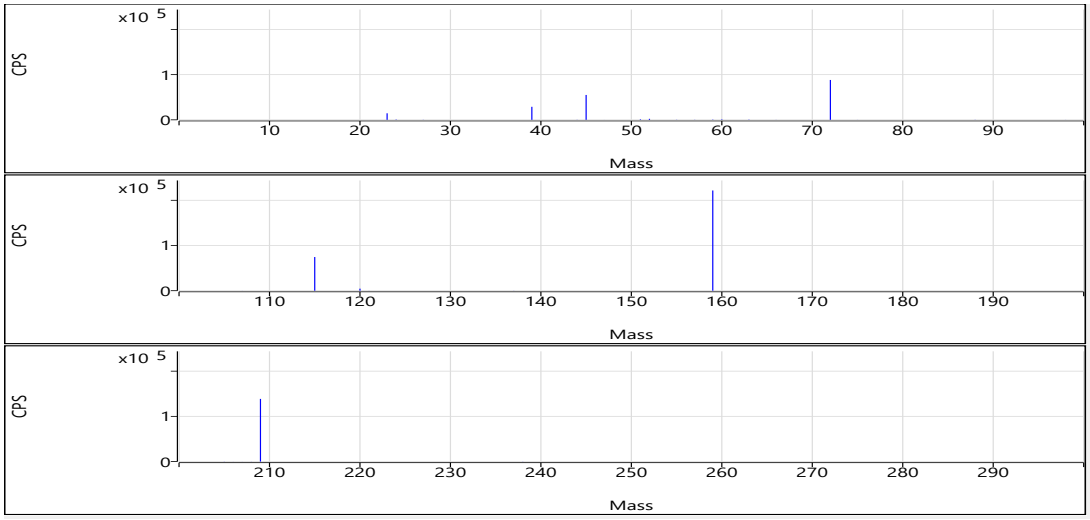


H2



Quantitation Report

He



Quantitation Report

Data File Name	090SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:54:21
Sample Name	180-193945-L-1-A
Sample Type	Sample
Comment	D15
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

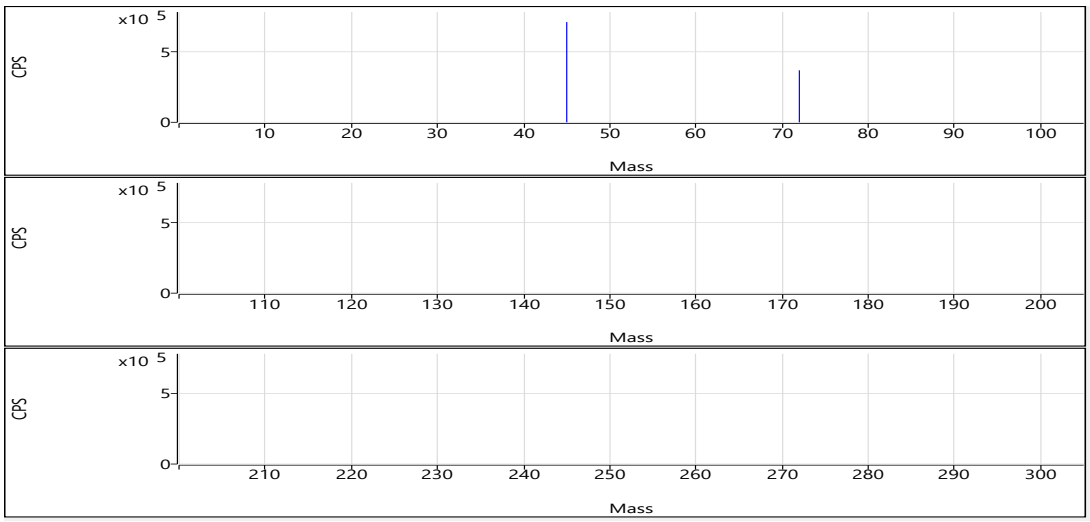
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.055	ppb	N/A	12.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	1.390	ppb	8.6	311.78	0.0006	Pulse	1.5000	3
Na	23	45	He	210459.465	ppb	2.2	47192384.30	824.5368	Analog	0.1000	3
Mg	24	45	He	21333.217	ppb	2.4	2431334.29	42.4810	Pulse	0.1000	3
Al	27	45	He	172.396	ppb	6.1	7065.36	0.1234	Pulse	0.1000	3
K	39	45	He	8905.250	ppb	1.0	977752.59	17.0815	Pulse	0.1000	3
Ca	44	45	He	84972.309	ppb	1.3	480369.54	8.3921	Pulse	0.1000	3
Ti	47	45	He	1.693	ppb	26.9	70.00	0.0012	Pulse	0.1000	3
V	51	45	He	0.933	ppb	5.8	2361.54	0.0413	Pulse	0.5000	3
Cr	52	72	He	1.086	ppb	11.4	3980.69	0.0440	Pulse	0.1000	3
Mn	55	45	He	39.705	ppb	2.2	35687.97	0.6235	Pulse	0.1000	3
Fe	57	45	He	270.019	ppb	8.7	9933.77	0.1736	Pulse	0.1000	3
Co	59	72	He	0.373	ppb	3.6	1390.11	0.0154	Pulse	0.1000	3
Ni	60	115	He	2.502	ppb	7.7	3417.19	0.0438	Pulse	0.1000	3
Cu	63	115	He	84.816	ppb	1.9	212758.79	2.7278	Pulse	0.1000	3
Zn	66	72	He	205.088	ppb	2.0	59961.60	0.6632	Pulse	0.1000	3
As	75	72	He	1.297	ppb	12.0	353.34	0.0039	Pulse	0.5000	3
Sr	88	72	He	524.077	ppb	1.7	627506.52	6.9402	Pulse	0.1000	3
Mo	98	72	He	4.674	ppb	6.8	8729.67	0.0966	Pulse	0.1000	3
Ag	107	115	He	0.135	ppb	5.9	523.36	0.0067	Pulse	0.1000	3
Cd	111	115	He	0.113	ppb	10.1	53.33	0.0007	Pulse	0.5000	3
Sn	120	115	He	-0.409	ppb	N/A	3813.98	0.0489	Pulse	0.1000	3
Sb	121	115	He	0.530	ppb	11.2	730.05	0.0093	Pulse	0.1000	3
Ba	137	115	He	76.232	ppb	3.9	37114.23	0.4760	Pulse	0.1000	3
Tl	205	209	He	0.049	ppb	21.7	390.02	0.0025	Pulse	0.1000	3
Pb	208	209	He	0.482	ppb	4.7	4390.46	0.0282	Pulse	0.1000	3
U	238	209	He	0.365	ppb	4.3	3113.86	0.0200	Pulse	0.1000	3

ISTD Table:

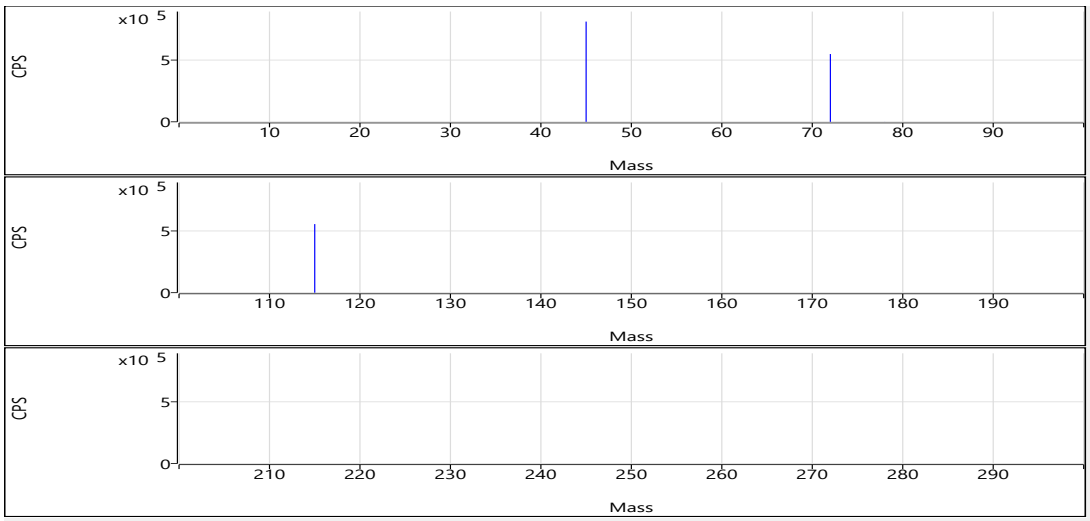
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	713520.56	0.6	104.4	Pulse	0.1000	3
No Gas	Ge	72	370008.18	0.6	102.3	Pulse	0.1000	3
H2	Sc	45	816514.44	0.5	105.6	Pulse	0.1000	3
H2	Ge	72	552199.68	0.2	101.5	Pulse	0.1000	3
H2	In	115	558808.43	0.4	101.3	Pulse	0.1000	3
He	Sc	45	57246.12	1.5	102.6	Pulse	0.1000	3
He	Ge	72	90430.33	1.3	101.3	Pulse	0.1000	3
He	In	115	78018.12	2.5	102.7	Pulse	0.1000	3
He	Tb	159	227210.76	1.2	103.4	Pulse	0.1000	3
He	Bi	209	155912.16	1.2	113.2	Pulse	0.1000	3

No Gas

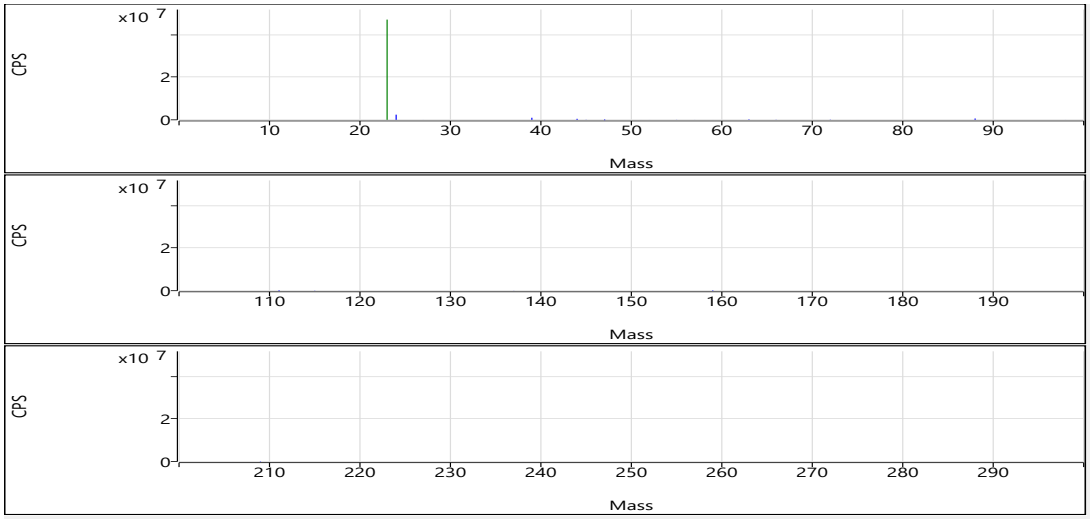


H2



Quantitation Report

He



Quantitation Report

Data File Name	091SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:56:28
Sample Name	180-193981-M-1-A
Sample Type	Sample
Comment	D15
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

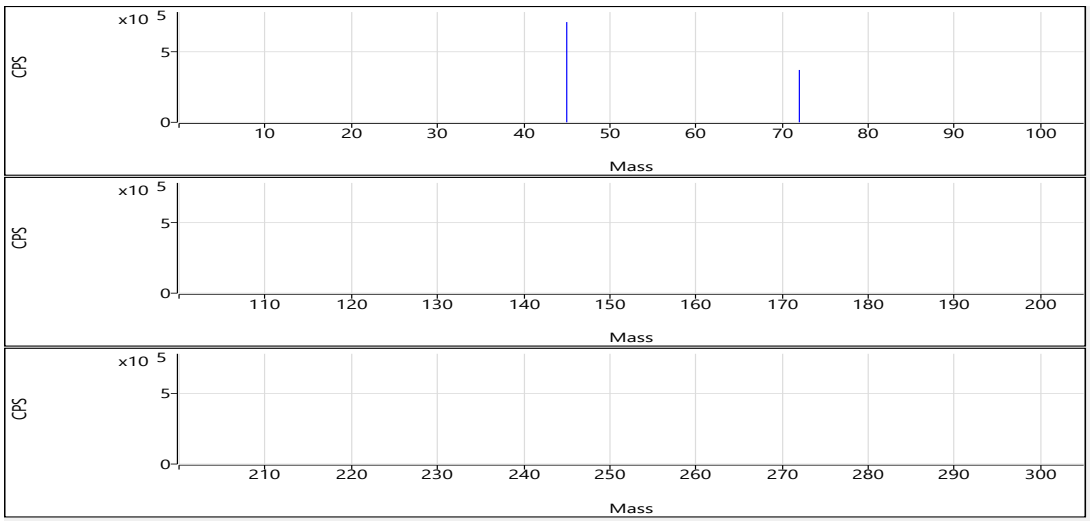
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.038	ppb	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	1.144	ppb	4.3	258.67	0.0005	Pulse	1.5000	3
Na	23	45	He	195258.379	ppb	2.4	43662772.68	765.0014	Analog	0.1000	3
Mg	24	45	He	17988.060	ppb	2.5	2044357.63	35.8215	Pulse	0.1000	3
Al	27	45	He	47.813	ppb	14.7	2060.22	0.0361	Pulse	0.1000	3
K	39	45	He	5499.778	ppb	1.6	613340.55	10.7449	Pulse	0.1000	3
Ca	44	45	He	75296.480	ppb	1.6	424515.02	7.4370	Pulse	0.1000	3
Ti	47	45	He	1.523	ppb	7.4	63.33	0.0011	Pulse	0.1000	3
V	51	45	He	0.695	ppb	10.7	2002.15	0.0350	Pulse	0.5000	3
Cr	52	72	He	0.721	ppb	23.5	3220.46	0.0367	Pulse	0.1000	3
Mn	55	45	He	20.577	ppb	2.9	18565.64	0.3253	Pulse	0.1000	3
Fe	57	45	He	109.856	ppb	7.7	4174.09	0.0732	Pulse	0.1000	3
Co	59	72	He	0.266	ppb	10.0	1013.41	0.0115	Pulse	0.1000	3
Ni	60	115	He	1.551	ppb	22.2	2500.31	0.0327	Pulse	0.1000	3
Cu	63	115	He	36.258	ppb	0.5	89248.20	1.1680	Pulse	0.1000	3
Zn	66	72	He	142.654	ppb	2.9	40474.52	0.4616	Pulse	0.1000	3
As	75	72	He	1.349	ppb	7.0	354.68	0.0040	Pulse	0.5000	3
Sr	88	72	He	473.136	ppb	2.6	549422.11	6.2659	Pulse	0.1000	3
Mo	98	72	He	3.925	ppb	1.0	7125.38	0.0812	Pulse	0.1000	3
Ag	107	115	He	0.088	ppb	25.3	346.68	0.0045	Pulse	0.1000	3
Cd	111	115	He	0.048	ppb	11.8	23.33	0.0003	Pulse	0.5000	3
Sn	120	115	He	-0.055	ppb	N/A	4257.95	0.0557	Pulse	0.1000	3
Sb	121	115	He	0.473	ppb	15.6	640.04	0.0084	Pulse	0.1000	3
Ba	137	115	He	70.244	ppb	1.0	33518.29	0.4387	Pulse	0.1000	3
Tl	205	209	He	0.039	ppb	25.4	293.35	0.0021	Pulse	0.1000	3
Pb	208	209	He	0.200	ppb	14.7	1796.78	0.0129	Pulse	0.1000	3
U	238	209	He	0.364	ppb	5.7	2777.08	0.0199	Pulse	0.1000	3

ISTD Table:

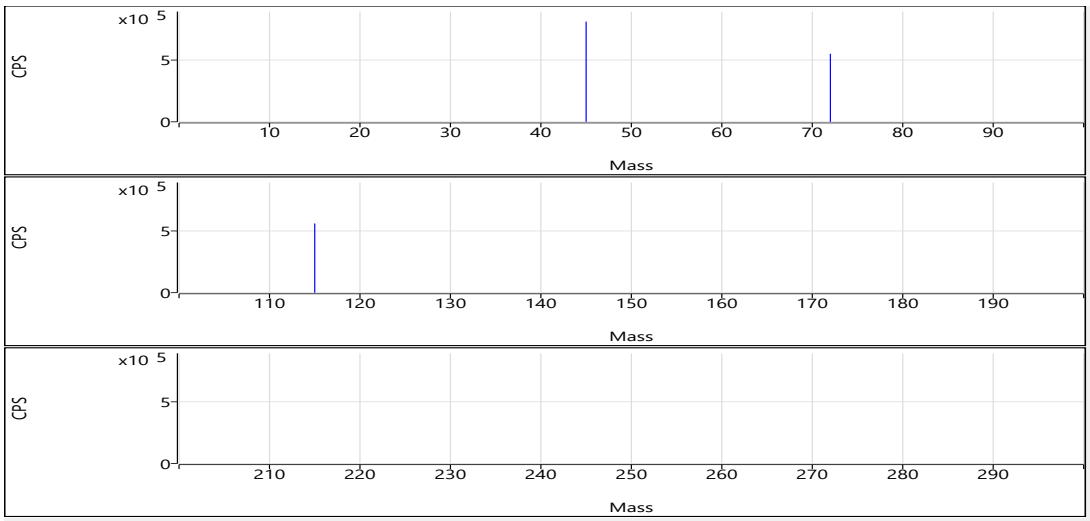
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	705771.99	0.6	103.2	Pulse	0.1000	3
No Gas	Ge	72	368523.34	0.9	101.9	Pulse	0.1000	3
H2	Sc	45	815798.40	0.9	105.5	Pulse	0.1000	3
H2	Ge	72	553883.73	0.5	101.8	Pulse	0.1000	3
H2	In	115	563371.40	0.8	102.1	Pulse	0.1000	3
He	Sc	45	57098.69	3.0	102.3	Pulse	0.1000	3
He	Ge	72	87720.62	2.5	98.2	Pulse	0.1000	3
He	In	115	76412.33	0.8	100.6	Pulse	0.1000	3
He	Tb	159	226843.16	2.0	103.2	Pulse	0.1000	3
He	Bi	209	139391.52	1.8	101.2	Pulse	0.1000	3

No Gas

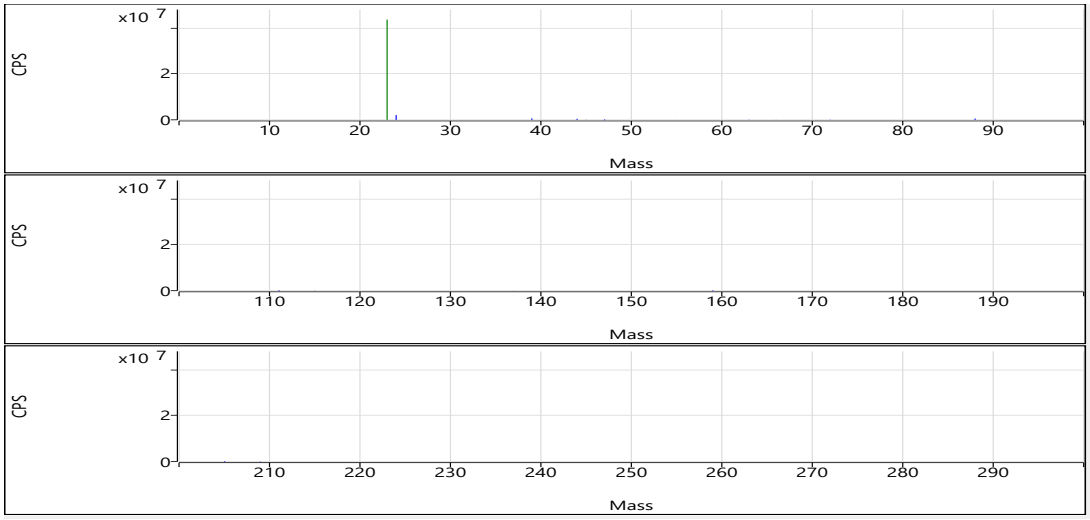


H2



Quantitation Report

He



Quantitation Report

Data File Name	092SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:58:34
Sample Name	410-235228-I-9-A
Sample Type	Sample
Comment	F18
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

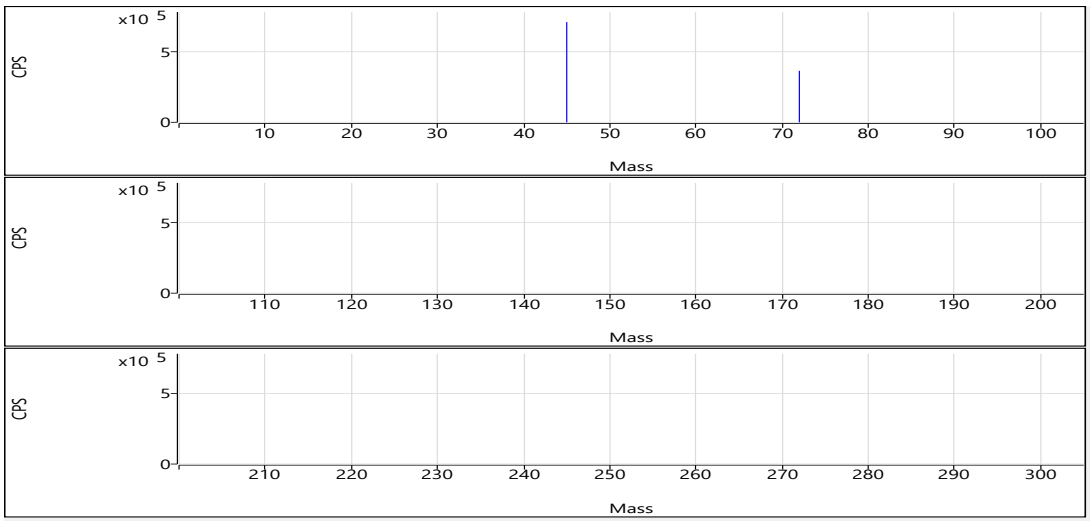
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.017	ppb	N/A	20.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.040	ppb	63.9	16.00	0.0000	Pulse	1.5000	3
Na	23	45	He	55670.007	ppb	1.0	12709558.56	218.3000	Analog	0.1000	3
Mg	24	45	He	30125.611	ppb	0.9	3492362.55	59.9849	Pulse	0.1000	3
Al	27	45	He	0.178	ppb	709.0	160.01	0.0028	Pulse	0.1000	3
K	39	45	He	1263.372	ppb	1.0	166657.41	2.8623	Pulse	0.1000	3
Ca	44	45	He	62286.852	ppb	0.9	358222.70	6.1528	Pulse	0.1000	3
Ti	47	45	He	0.496	ppb	30.1	23.33	0.0004	Pulse	0.1000	3
V	51	45	He	-0.033	ppb	N/A	928.04	0.0159	Pulse	0.5000	3
Cr	52	72	He	-0.132	ppb	N/A	1743.49	0.0197	Pulse	0.1000	3
Mn	55	45	He	496.537	ppb	2.2	450914.25	7.7456	Pulse	0.1000	3
Fe	57	45	He	312.069	ppb	6.1	11641.75	0.2000	Pulse	0.1000	3
Co	59	72	He	0.144	ppb	11.3	636.71	0.0072	Pulse	0.1000	3
Ni	60	115	He	-0.203	ppb	N/A	966.73	0.0123	Pulse	0.1000	3
Cu	63	115	He	0.191	ppb	20.6	733.38	0.0094	Pulse	0.1000	3
Zn	66	72	He	0.995	ppb	23.0	373.35	0.0042	Pulse	0.1000	3
As	75	72	He	0.624	ppb	19.3	196.67	0.0022	Pulse	0.5000	3
Sr	88	72	He	1169.076	ppb	1.0	1369918.83	15.4776	Pulse	0.1000	3
Mo	98	72	He	0.570	ppb	11.6	1090.09	0.0123	Pulse	0.1000	3
Ag	107	115	He	0.004	ppb	129.0	50.00	0.0006	Pulse	0.1000	3
Cd	111	115	He	0.010	ppb	91.0	6.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.743	ppb	N/A	3330.52	0.0425	Pulse	0.1000	3
Sb	121	115	He	0.024	ppb	36.0	56.67	0.0007	Pulse	0.1000	3
Ba	137	115	He	962.174	ppb	0.2	469166.01	5.9931	Pulse	0.1000	3
Tl	205	209	He	0.024	ppb	42.0	206.68	0.0015	Pulse	0.1000	3
Pb	208	209	He	0.001	ppb	155.3	310.01	0.0022	Pulse	0.1000	3
U	238	209	He	0.317	ppb	5.2	2460.33	0.0174	Pulse	0.1000	3

ISTD Table:

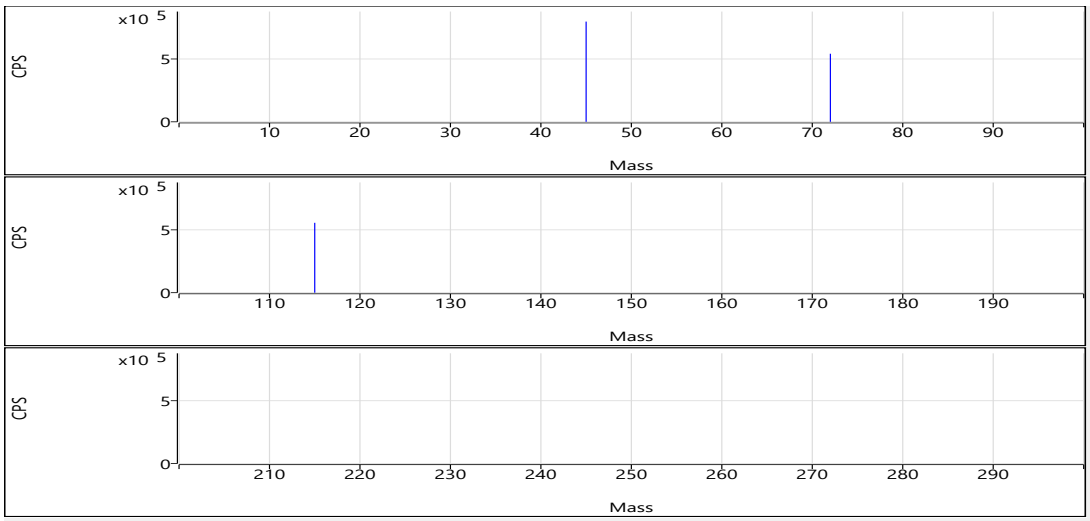
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	709489.28	1.2	103.8	Pulse	0.1000	3
No Gas	Ge	72	364501.40	1.5	100.8	Pulse	0.1000	3
H2	Sc	45	796013.82	0.6	102.9	Pulse	0.1000	3
H2	Ge	72	540651.07	0.8	99.4	Pulse	0.1000	3
H2	In	115	555010.93	0.3	100.6	Pulse	0.1000	3
He	Sc	45	58223.06	0.9	104.3	Pulse	0.1000	3
He	Ge	72	88508.56	0.2	99.1	Pulse	0.1000	3
He	In	115	78283.62	0.4	103.1	Pulse	0.1000	3
He	Tb	159	230507.65	0.3	104.9	Pulse	0.1000	3
He	Bi	209	140998.66	0.9	102.3	Pulse	0.1000	3

No Gas

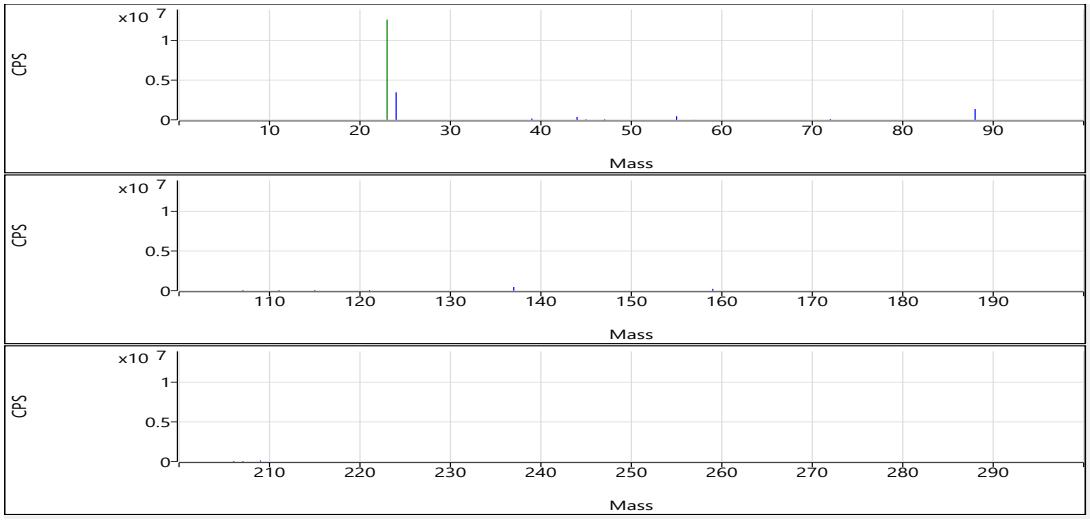


H2



Quantitation Report

He



Quantitation Report

Data File Name	093SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:00:41
Sample Name	410-236127-H-3-A@10
Sample Type	Sample
Comment	E24
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

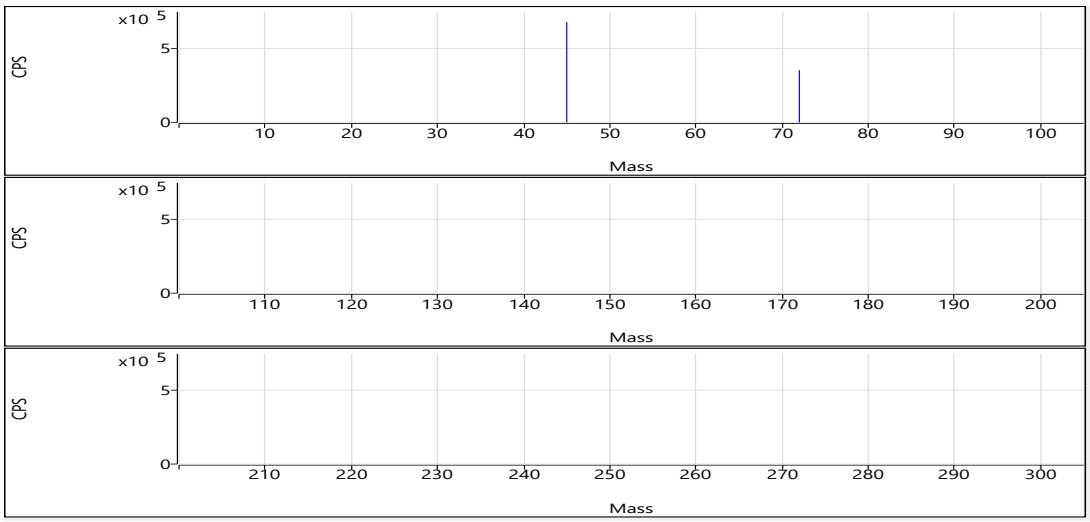
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.062	ppb	N/A	10.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.068	ppb	20.7	21.56	0.0000	Pulse	1.5000	3
Na	23	45	He	16966.474	ppb	1.3	3735365.26	66.7166	Pulse	0.1000	3
Mg	24	45	He	3181.004	ppb	0.8	355180.51	6.3436	Pulse	0.1000	3
Al	27	45	He	118.514	ppb	4.4	4797.58	0.0857	Pulse	0.1000	3
K	39	45	He	323.861	ppb	5.2	62382.84	1.1141	Pulse	0.1000	3
Ca	44	45	He	23529.525	ppb	2.2	130281.99	2.3271	Pulse	0.1000	3
Ti	47	45	He	2.244	ppb	18.8	90.00	0.0016	Pulse	0.1000	3
V	51	45	He	0.235	ppb	23.7	1285.40	0.0230	Pulse	0.5000	3
Cr	52	72	He	0.336	ppb	21.5	2453.62	0.0290	Pulse	0.1000	3
Mn	55	45	He	36.107	ppb	2.2	31768.63	0.5674	Pulse	0.1000	3
Fe	57	45	He	200.703	ppb	0.3	7288.78	0.1302	Pulse	0.1000	3
Co	59	72	He	0.241	ppb	14.2	900.07	0.0107	Pulse	0.1000	3
Ni	60	115	He	0.717	ppb	22.9	1760.16	0.0230	Pulse	0.1000	3
Cu	63	115	He	0.885	ppb	8.4	2420.28	0.0317	Pulse	0.1000	3
Zn	66	72	He	2.907	ppb	13.2	876.72	0.0104	Pulse	0.1000	3
As	75	72	He	0.366	ppb	32.3	132.67	0.0016	Pulse	0.5000	3
Sr	88	72	He	489.442	ppb	0.9	547169.13	6.4817	Pulse	0.1000	3
Mo	98	72	He	0.142	ppb	26.1	296.68	0.0035	Pulse	0.1000	3
Ag	107	115	He	0.009	ppb	43.1	66.67	0.0009	Pulse	0.1000	3
Cd	111	115	He	0.016	ppb	57.7	9.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	0.244	ppb	12.0	4697.65	0.0614	Pulse	0.1000	3
Sb	121	115	He	0.143	ppb	6.4	210.01	0.0027	Pulse	0.1000	3
Ba	137	115	He	145.743	ppb	2.8	69462.31	0.9088	Pulse	0.1000	3
Tl	205	209	He	0.018	ppb	15.3	173.34	0.0013	Pulse	0.1000	3
Pb	208	209	He	0.100	ppb	8.9	1043.39	0.0075	Pulse	0.1000	3
U	238	209	He	0.033	ppb	17.4	353.35	0.0026	Pulse	0.1000	3

ISTD Table:

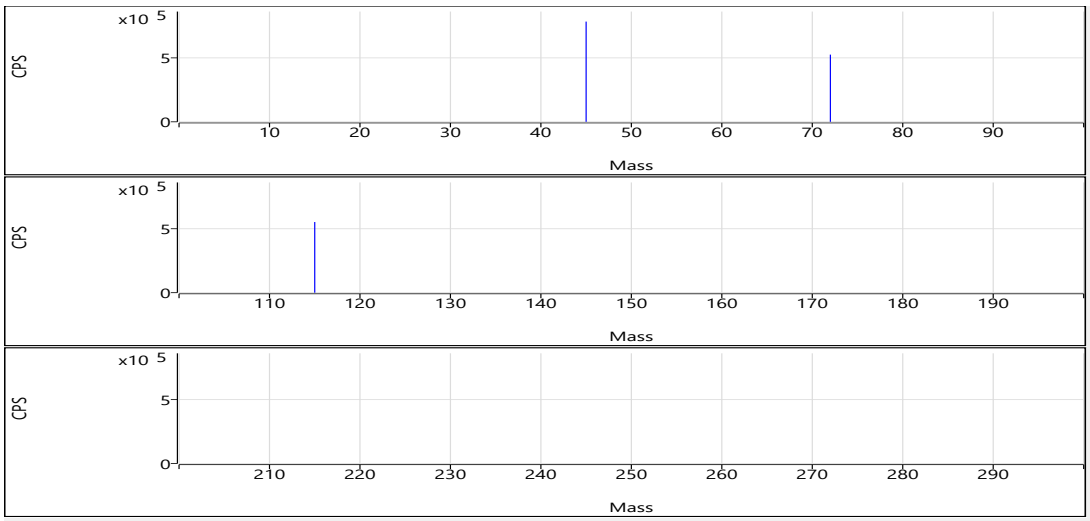
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	678628.90	0.5	99.3	Pulse	0.1000	3
No Gas	Ge	72	352926.16	0.8	97.6	Pulse	0.1000	3
H2	Sc	45	786215.72	0.1	101.6	Pulse	0.1000	3
H2	Ge	72	527134.90	0.5	96.9	Pulse	0.1000	3
H2	In	115	554361.23	1.1	100.5	Pulse	0.1000	3
He	Sc	45	55994.55	1.3	100.3	Pulse	0.1000	3
He	Ge	72	84420.89	1.6	94.5	Pulse	0.1000	3
He	In	115	76456.30	1.9	100.7	Pulse	0.1000	3
He	Tb	159	224165.81	0.4	102.0	Pulse	0.1000	3
He	Bi	209	138290.28	0.3	100.4	Pulse	0.1000	3

No Gas

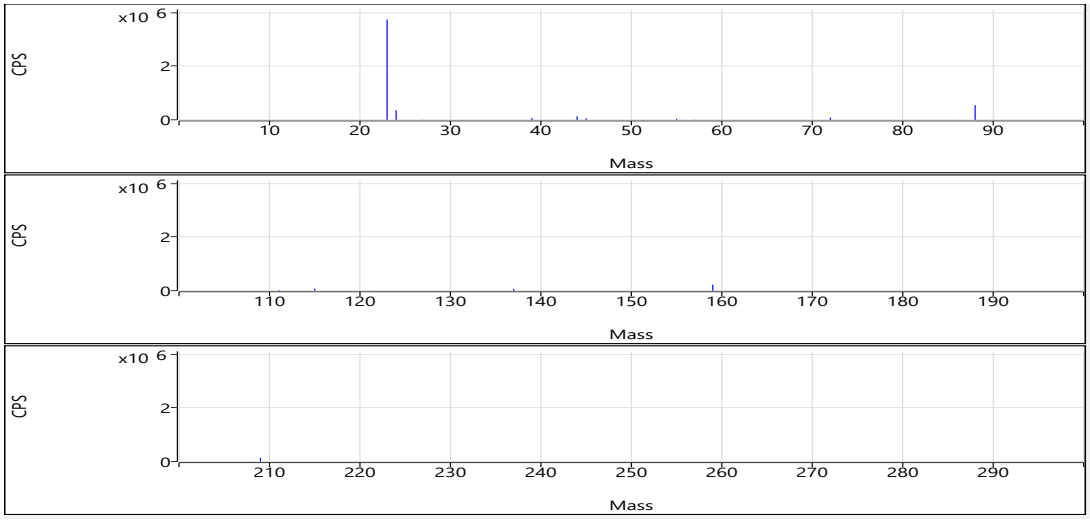


H2



Quantitation Report

He



Quantitation Report

Data File Name	094SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:02:46
Sample Name	410-236109-M-1-A
Sample Type	Sample
Comment	E24
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

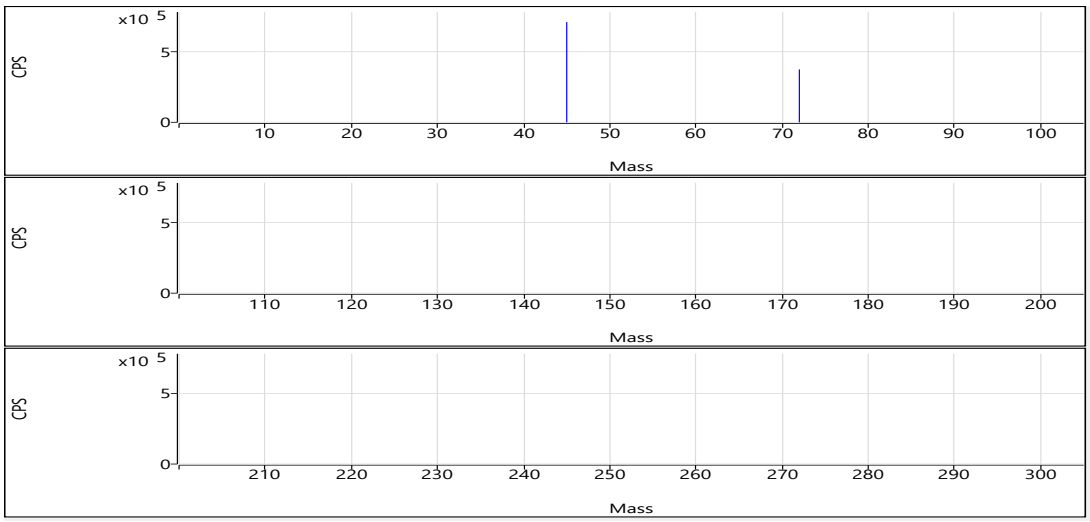
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.070	ppb	N/A	9.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.063	ppb	20.0	21.78	0.0000	Pulse	1.5000	3
Na	23	45	He	27006.055	ppb	1.3	6014187.83	106.0369	Analog	0.1000	3
Mg	24	45	He	3590.158	ppb	1.9	406021.69	7.1581	Pulse	0.1000	3
Al	27	45	He	16.068	ppb	17.4	786.71	0.0139	Pulse	0.1000	3
K	39	45	He	934.204	ppb	1.5	127626.03	2.2498	Pulse	0.1000	3
Ca	44	45	He	33901.886	ppb	0.9	190059.93	3.3509	Pulse	0.1000	3
Ti	47	45	He	0.938	ppb	27.7	40.00	0.0007	Pulse	0.1000	3
V	51	45	He	0.244	ppb	18.9	1316.07	0.0232	Pulse	0.5000	3
Cr	52	72	He	-0.023	ppb	N/A	1956.87	0.0219	Pulse	0.1000	3
Mn	55	45	He	88.183	ppb	2.4	78217.18	1.3793	Pulse	0.1000	3
Fe	57	45	He	445.273	ppb	1.2	16082.70	0.2836	Pulse	0.1000	3
Co	59	72	He	0.138	ppb	20.8	623.37	0.0070	Pulse	0.1000	3
Ni	60	115	He	1.575	ppb	9.5	2553.64	0.0330	Pulse	0.1000	3
Cu	63	115	He	22.236	ppb	1.2	55467.30	0.7175	Pulse	0.1000	3
Zn	66	72	He	27.409	ppb	2.4	8002.48	0.0895	Pulse	0.1000	3
As	75	72	He	0.589	ppb	17.2	190.67	0.0021	Pulse	0.5000	3
Sr	88	72	He	133.246	ppb	1.0	157948.94	1.7670	Pulse	0.1000	3
Mo	98	72	He	0.260	ppb	30.7	530.03	0.0059	Pulse	0.1000	3
Ag	107	115	He	0.005	ppb	119.1	53.33	0.0007	Pulse	0.1000	3
Cd	111	115	He	0.016	ppb	55.4	9.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.570	ppb	N/A	3540.60	0.0458	Pulse	0.1000	3
Sb	121	115	He	0.033	ppb	74.6	66.67	0.0009	Pulse	0.1000	3
Ba	137	115	He	43.844	ppb	2.3	21200.30	0.2743	Pulse	0.1000	3
Tl	205	209	He	0.027	ppb	26.6	220.01	0.0016	Pulse	0.1000	3
Pb	208	209	He	0.269	ppb	2.2	2310.17	0.0166	Pulse	0.1000	3
U	238	209	He	0.445	ppb	3.2	3353.90	0.0242	Pulse	0.1000	3

ISTD Table:

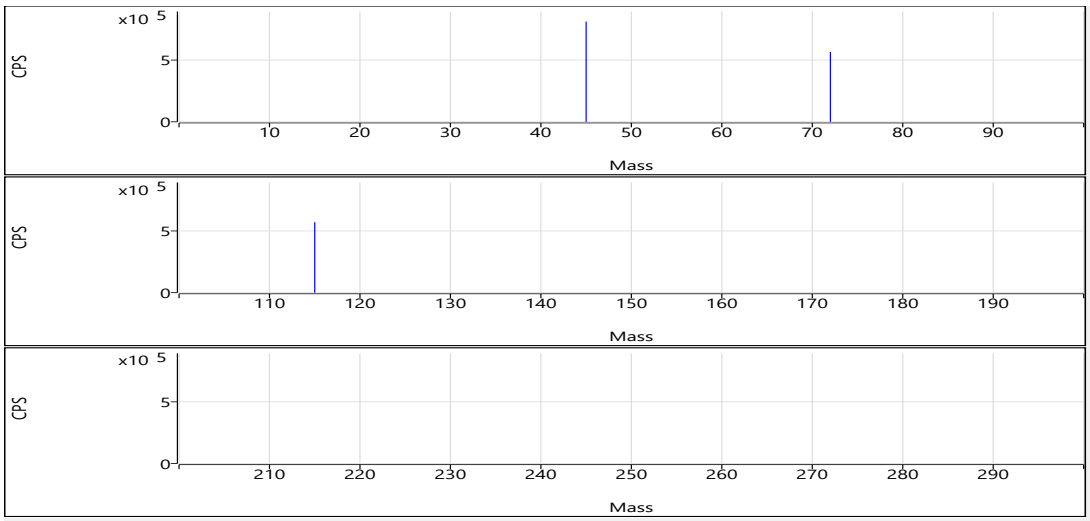
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	712944.81	0.9	104.3	Pulse	0.1000	3
No Gas	Ge	72	376069.93	0.2	104.0	Pulse	0.1000	3
H2	Sc	45	804709.16	0.7	104.0	Pulse	0.1000	3
H2	Ge	72	561041.93	0.4	103.1	Pulse	0.1000	3
H2	In	115	565942.38	0.4	102.6	Pulse	0.1000	3
He	Sc	45	56724.41	2.0	101.6	Pulse	0.1000	3
He	Ge	72	89394.20	1.2	100.1	Pulse	0.1000	3
He	In	115	77303.83	1.5	101.8	Pulse	0.1000	3
He	Tb	159	223919.51	0.8	101.9	Pulse	0.1000	3
He	Bi	209	138782.56	1.6	100.7	Pulse	0.1000	3

No Gas

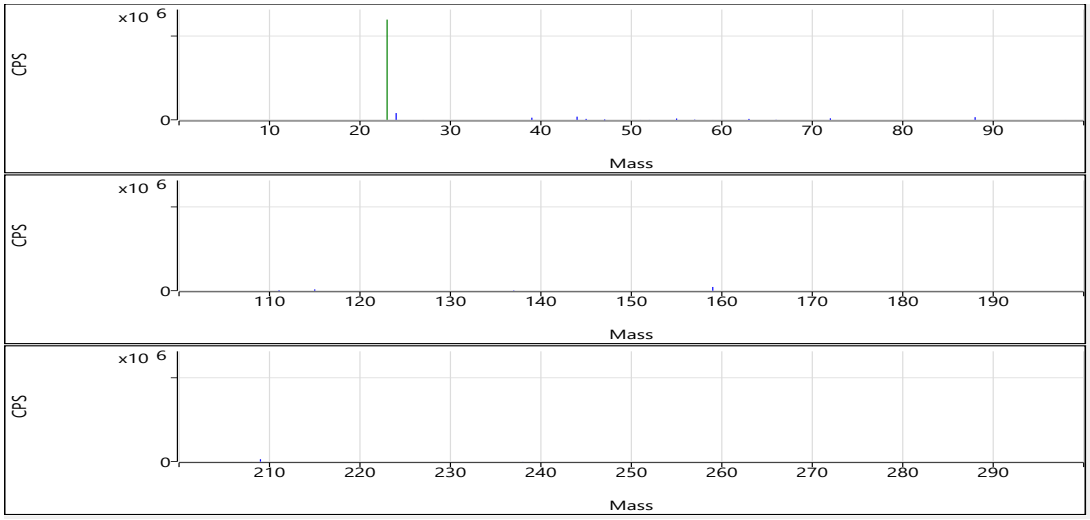


H2



Quantitation Report

He



Quantitation Report

Data File Name	095SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:04:52
Sample Name	410-236111-M-1-A
Sample Type	Sample
Comment	E24
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

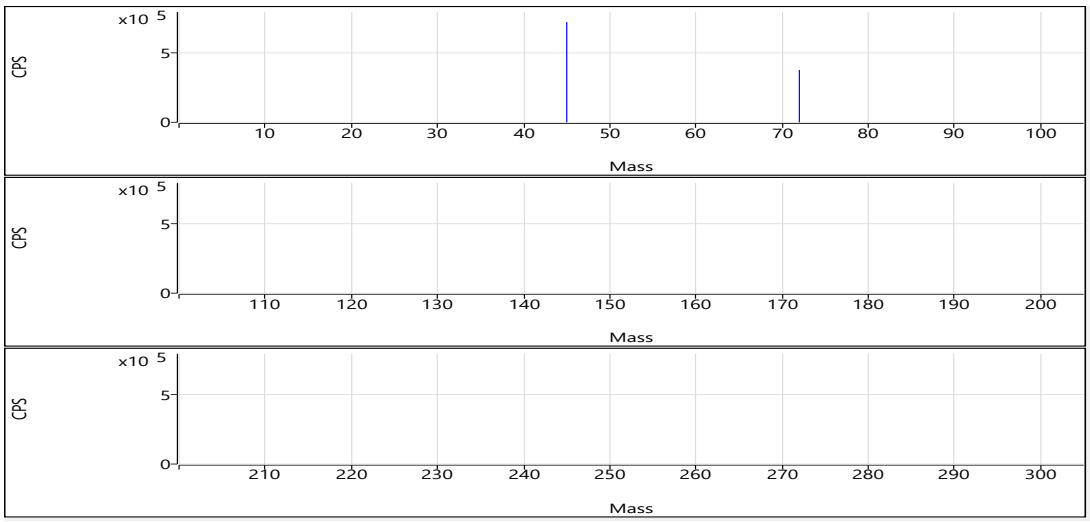
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.067	ppb	N/A	10.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.067	ppb	28.2	22.00	0.0000	Pulse	1.5000	3
Na	23	45	He	16751.097	ppb	1.0	3703759.84	65.8731	Pulse	0.1000	3
Mg	24	45	He	3777.282	ppb	1.3	423412.35	7.5306	Pulse	0.1000	3
Al	27	45	He	21.839	ppb	56.0	1010.58	0.0179	Pulse	0.1000	3
K	39	45	He	838.866	ppb	2.0	116522.41	2.0724	Pulse	0.1000	3
Ca	44	45	He	33893.510	ppb	0.6	188366.92	3.3501	Pulse	0.1000	3
Ti	47	45	He	1.033	ppb	15.0	43.33	0.0008	Pulse	0.1000	3
V	51	45	He	0.440	ppb	2.8	1594.10	0.0284	Pulse	0.5000	3
Cr	52	72	He	0.260	ppb	16.8	2433.62	0.0275	Pulse	0.1000	3
Mn	55	45	He	3.239	ppb	5.6	3093.79	0.0550	Pulse	0.1000	3
Fe	57	45	He	40.517	ppb	6.9	1670.16	0.0297	Pulse	0.1000	3
Co	59	72	He	0.050	ppb	37.7	340.02	0.0038	Pulse	0.1000	3
Ni	60	115	He	-0.070	ppb	N/A	1063.41	0.0139	Pulse	0.1000	3
Cu	63	115	He	5.489	ppb	2.5	13753.58	0.1796	Pulse	0.1000	3
Zn	66	72	He	27.348	ppb	3.8	7892.41	0.0893	Pulse	0.1000	3
As	75	72	He	0.250	ppb	23.0	113.33	0.0013	Pulse	0.5000	3
Sr	88	72	He	113.489	ppb	1.1	133051.11	1.5055	Pulse	0.1000	3
Mo	98	72	He	0.368	ppb	7.6	720.04	0.0081	Pulse	0.1000	3
Ag	107	115	He	0.000	ppb	N/A	33.33	0.0004	Pulse	0.1000	3
Cd	111	115	He	0.012	ppb	57.2	7.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.590	ppb	N/A	3483.90	0.0455	Pulse	0.1000	3
Sb	121	115	He	0.074	ppb	45.8	120.00	0.0016	Pulse	0.1000	3
Ba	137	115	He	30.631	ppb	2.6	14705.05	0.1920	Pulse	0.1000	3
Tl	205	209	He	0.011	ppb	71.5	130.01	0.0009	Pulse	0.1000	3
Pb	208	209	He	0.092	ppb	10.0	980.05	0.0071	Pulse	0.1000	3
U	238	209	He	0.346	ppb	7.4	2620.36	0.0190	Pulse	0.1000	3

ISTD Table:

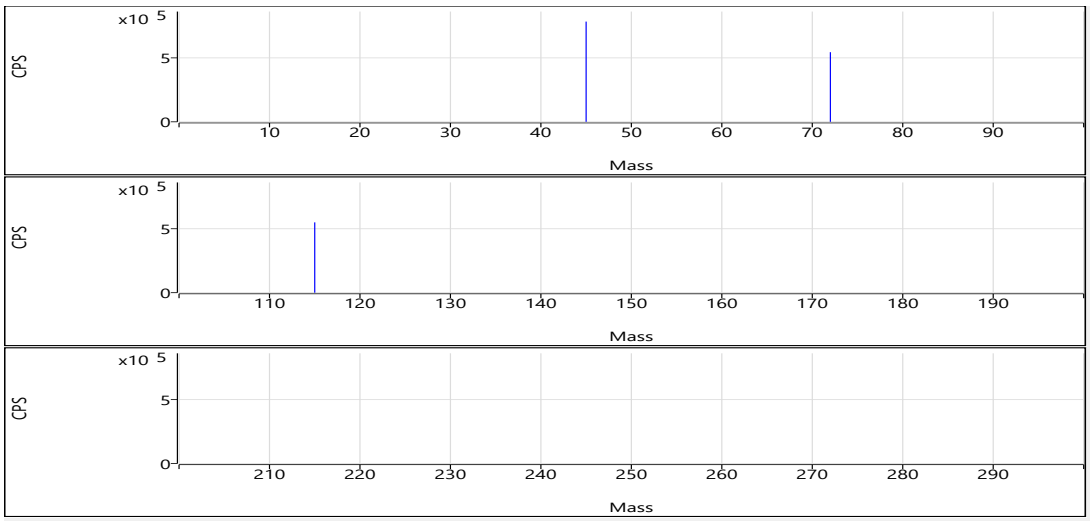
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	716236.37	1.3	104.8	Pulse	0.1000	3
No Gas	Ge	72	374074.49	0.5	103.4	Pulse	0.1000	3
H2	Sc	45	786931.31	0.5	101.7	Pulse	0.1000	3
H2	Ge	72	546695.07	0.4	100.5	Pulse	0.1000	3
H2	In	115	552133.28	0.4	100.1	Pulse	0.1000	3
He	Sc	45	56228.53	0.7	100.7	Pulse	0.1000	3
He	Ge	72	88377.41	0.5	99.0	Pulse	0.1000	3
He	In	115	76599.38	0.5	100.9	Pulse	0.1000	3
He	Tb	159	224070.08	1.0	101.9	Pulse	0.1000	3
He	Bi	209	138044.14	0.7	100.2	Pulse	0.1000	3

No Gas

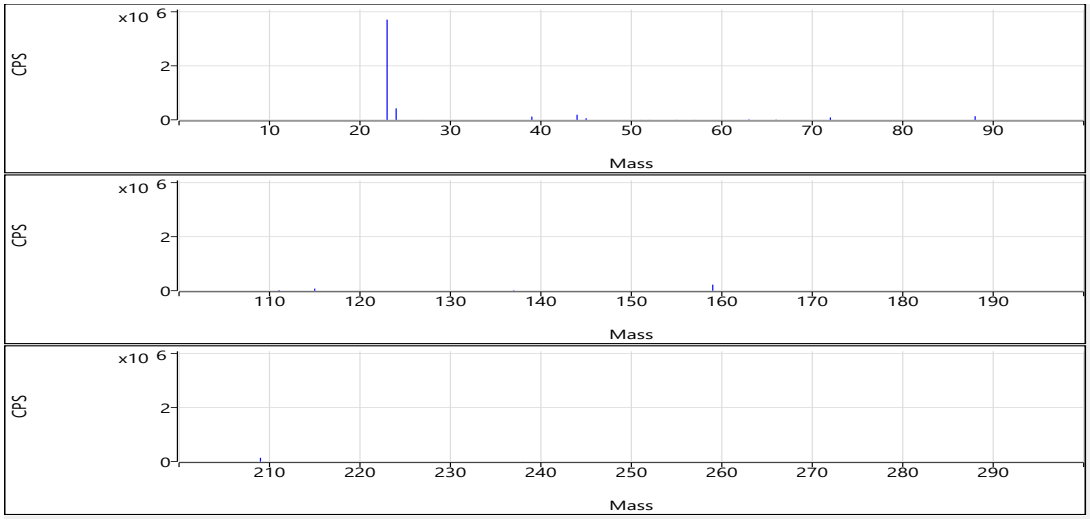


H2



Quantitation Report

He



Quantitation Report

Data File Name	096SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:06:58
Sample Name	410-236102-M-1-A
Sample Type	Sample
Comment	E24
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

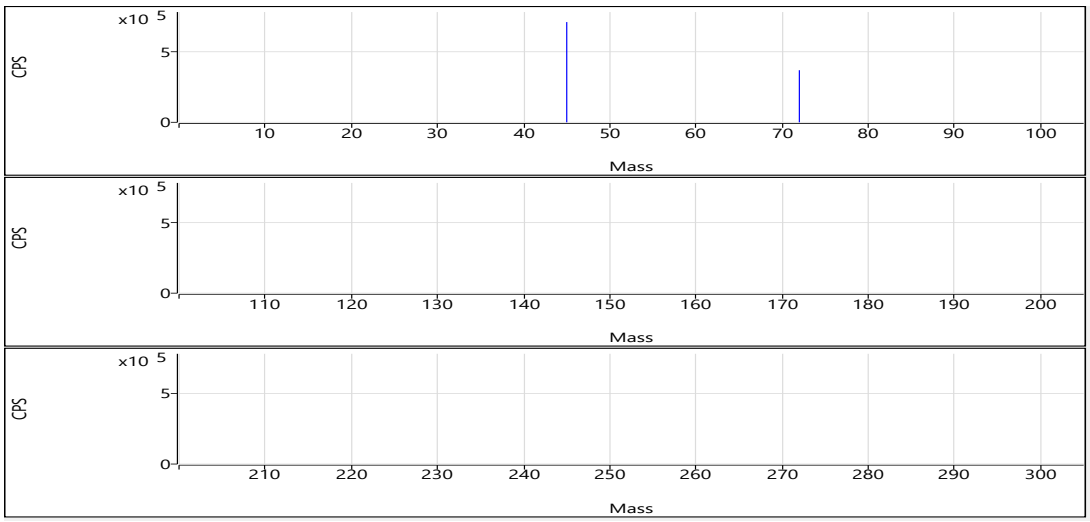
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.055	ppb	N/A	12.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.026	ppb	62.9	13.33	0.0000	Pulse	1.5000	3
Na	23	45	He	18490.528	ppb	1.8	4061303.38	72.6856	Pulse	0.1000	3
Mg	24	45	He	5932.050	ppb	1.8	660460.26	11.8203	Pulse	0.1000	3
Al	27	45	He	1.681	ppb	81.5	213.34	0.0038	Pulse	0.1000	3
K	39	45	He	1360.506	ppb	2.7	170014.83	3.0430	Pulse	0.1000	3
Ca	44	45	He	49277.669	ppb	2.2	272017.80	4.8687	Pulse	0.1000	3
Ti	47	45	He	0.691	ppb	36.6	30.00	0.0005	Pulse	0.1000	3
V	51	45	He	0.016	ppb	142.5	962.71	0.0172	Pulse	0.5000	3
Cr	52	72	He	-0.041	ppb	N/A	1910.19	0.0215	Pulse	0.1000	3
Mn	55	45	He	77.333	ppb	2.5	67613.90	1.2102	Pulse	0.1000	3
Fe	57	45	He	8.924	ppb	10.9	553.37	0.0099	Pulse	0.1000	3
Co	59	72	He	0.115	ppb	19.5	546.70	0.0062	Pulse	0.1000	3
Ni	60	115	He	2.204	ppb	4.8	3100.44	0.0403	Pulse	0.1000	3
Cu	63	115	He	5.553	ppb	3.4	13960.52	0.1816	Pulse	0.1000	3
Zn	66	72	He	14.867	ppb	6.1	4350.86	0.0490	Pulse	0.1000	3
As	75	72	He	0.178	ppb	33.1	98.00	0.0011	Pulse	0.5000	3
Sr	88	72	He	493.692	ppb	0.3	580443.07	6.5380	Pulse	0.1000	3
Mo	98	72	He	1.695	ppb	6.0	3143.81	0.0354	Pulse	0.1000	3
Ag	107	115	He	0.002	ppb	279.5	40.00	0.0005	Pulse	0.1000	3
Cd	111	115	He	0.006	ppb	43.4	4.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.586	ppb	N/A	3500.57	0.0455	Pulse	0.1000	3
Sb	121	115	He	0.046	ppb	42.6	83.34	0.0011	Pulse	0.1000	3
Ba	137	115	He	174.515	ppb	0.6	83633.77	1.0880	Pulse	0.1000	3
Tl	205	209	He	0.053	ppb	13.6	366.69	0.0026	Pulse	0.1000	3
Pb	208	209	He	0.192	ppb	10.8	1733.45	0.0125	Pulse	0.1000	3
U	238	209	He	0.239	ppb	6.5	1853.54	0.0133	Pulse	0.1000	3

ISTD Table:

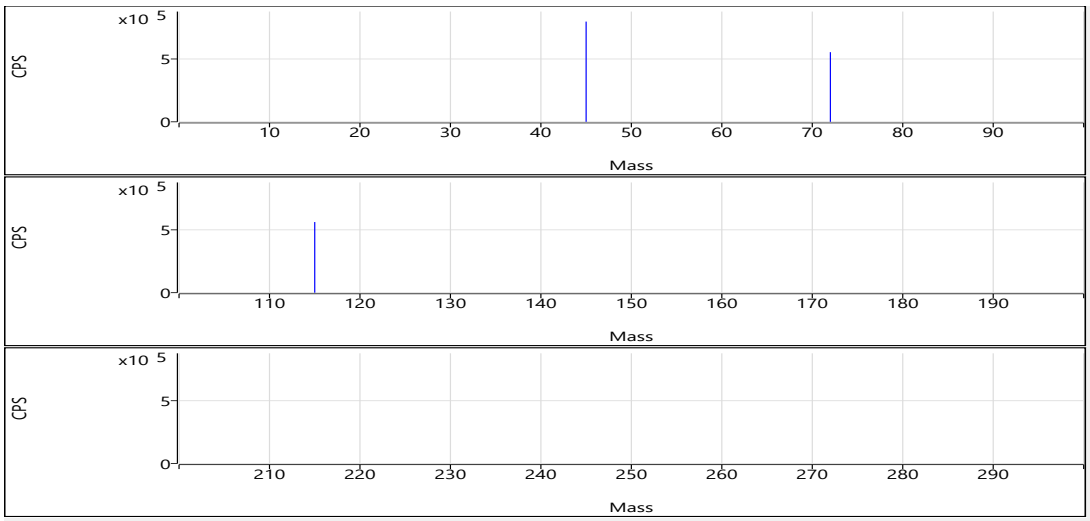
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	712582.28	0.4	104.2	Pulse	0.1000	3
No Gas	Ge	72	370262.19	0.4	102.4	Pulse	0.1000	3
H2	Sc	45	795822.85	0.7	102.9	Pulse	0.1000	3
H2	Ge	72	553009.28	0.3	101.7	Pulse	0.1000	3
H2	In	115	560986.50	0.9	101.7	Pulse	0.1000	3
He	Sc	45	55884.38	1.7	100.1	Pulse	0.1000	3
He	Ge	72	88779.75	0.3	99.4	Pulse	0.1000	3
He	In	115	76867.68	0.4	101.2	Pulse	0.1000	3
He	Tb	159	224333.45	0.9	102.1	Pulse	0.1000	3
He	Bi	209	138835.28	0.6	100.8	Pulse	0.1000	3

No Gas

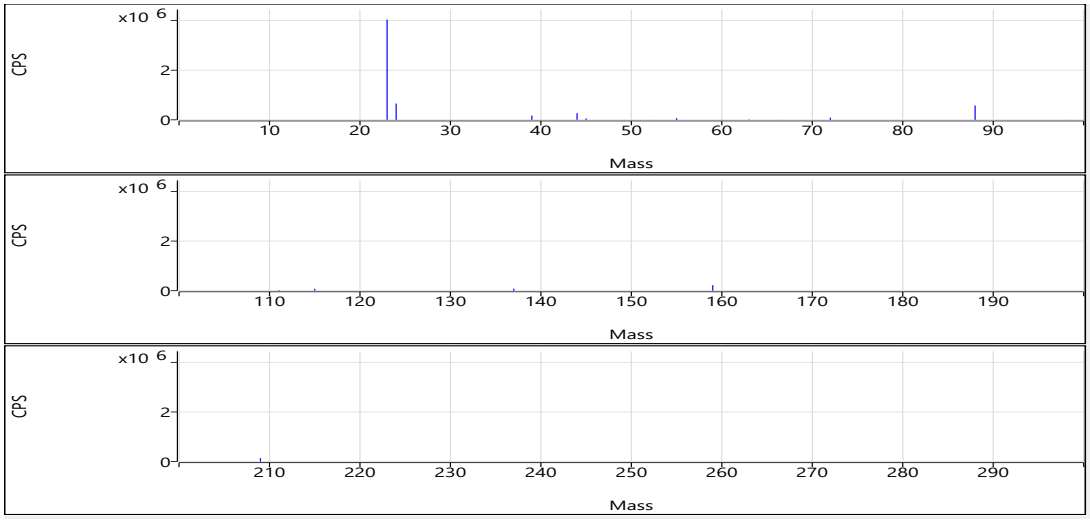


H2



Quantitation Report

He



Quantitation Report

Data File Name	097SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:09:05
Sample Name	410-236104-M-1-A
Sample Type	Sample
Comment	E24
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

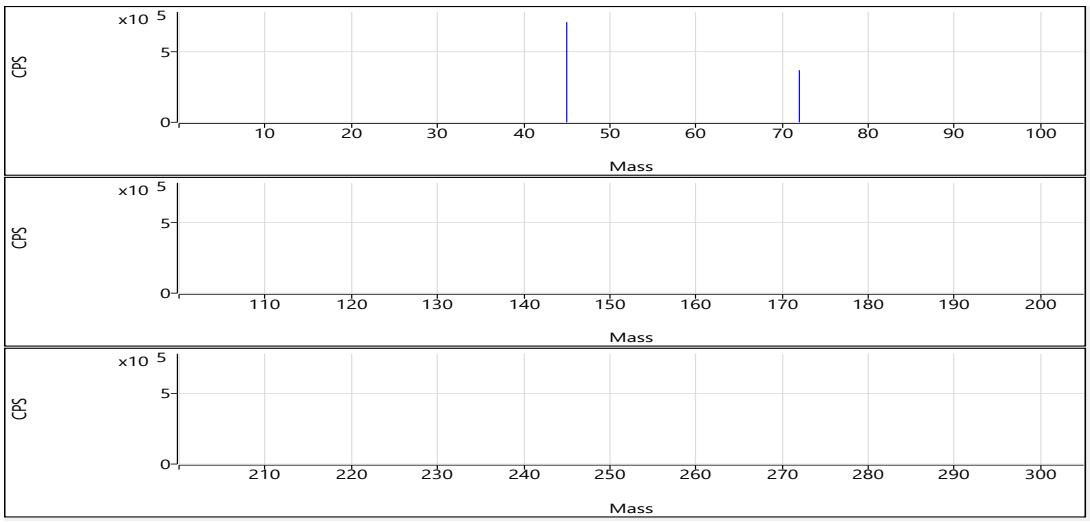
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.089	ppb	N/A	5.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.054	ppb	30.6	19.33	0.0000	Pulse	1.5000	3
Na	23	45	He	18911.786	ppb	2.3	4168732.23	74.3355	Mix	0.1000	3
Mg	24	45	He	5979.452	ppb	1.8	668199.63	11.9147	Pulse	0.1000	3
Al	27	45	He	3.378	ppb	24.7	280.01	0.0050	Pulse	0.1000	3
K	39	45	He	1348.558	ppb	1.0	169424.85	3.0208	Pulse	0.1000	3
Ca	44	45	He	49808.081	ppb	1.1	275992.36	4.9211	Pulse	0.1000	3
Ti	47	45	He	0.174	ppb	150.8	10.00	0.0002	Pulse	0.1000	3
V	51	45	He	-0.035	ppb	N/A	891.37	0.0159	Pulse	0.5000	3
Cr	52	72	He	-0.082	ppb	N/A	1860.19	0.0207	Pulse	0.1000	3
Mn	55	45	He	996.429	ppb	1.8	871499.28	15.5390	Pulse	0.1000	3
Fe	57	45	He	228.543	ppb	3.4	8279.34	0.1476	Pulse	0.1000	3
Co	59	72	He	3.318	ppb	4.0	10817.76	0.1206	Pulse	0.1000	3
Ni	60	115	He	1.363	ppb	6.9	2363.61	0.0305	Pulse	0.1000	3
Cu	63	115	He	51.043	ppb	1.0	127155.57	1.6429	Pulse	0.1000	3
Zn	66	72	He	26.882	ppb	5.1	7872.41	0.0878	Pulse	0.1000	3
As	75	72	He	1.428	ppb	8.0	380.01	0.0042	Pulse	0.5000	3
Sr	88	72	He	490.894	ppb	1.3	583220.25	6.5010	Pulse	0.1000	3
Mo	98	72	He	5.036	ppb	4.3	9336.68	0.1040	Pulse	0.1000	3
Ag	107	115	He	0.010	ppb	76.4	70.00	0.0009	Pulse	0.1000	3
Cd	111	115	He	0.009	ppb	135.3	6.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.287	ppb	N/A	3967.36	0.0513	Pulse	0.1000	3
Sb	121	115	He	0.063	ppb	46.2	106.67	0.0014	Pulse	0.1000	3
Ba	137	115	He	214.455	ppb	2.2	103450.21	1.3367	Pulse	0.1000	3
Tl	205	209	He	0.026	ppb	23.3	220.01	0.0016	Pulse	0.1000	3
Pb	208	209	He	1.489	ppb	4.3	11512.38	0.0825	Pulse	0.1000	3
U	238	209	He	1.121	ppb	6.2	8302.96	0.0595	Pulse	0.1000	3

ISTD Table:

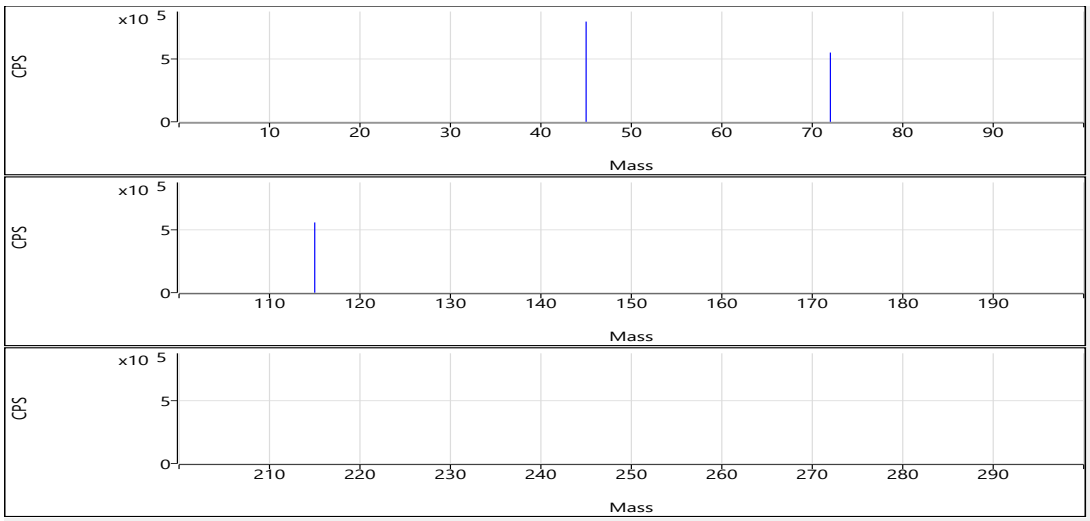
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	710903.38	1.0	104.0	Pulse	0.1000	3
No Gas	Ge	72	369661.74	1.8	102.2	Pulse	0.1000	3
H2	Sc	45	796571.29	0.2	103.0	Pulse	0.1000	3
H2	Ge	72	550423.26	0.7	101.2	Pulse	0.1000	3
H2	In	115	558217.29	0.1	101.2	Pulse	0.1000	3
He	Sc	45	56088.24	1.2	100.5	Pulse	0.1000	3
He	Ge	72	89719.18	2.1	100.5	Pulse	0.1000	3
He	In	115	77406.99	2.1	101.9	Pulse	0.1000	3
He	Tb	159	225914.52	1.9	102.8	Pulse	0.1000	3
He	Bi	209	139503.66	1.2	101.3	Pulse	0.1000	3

No Gas

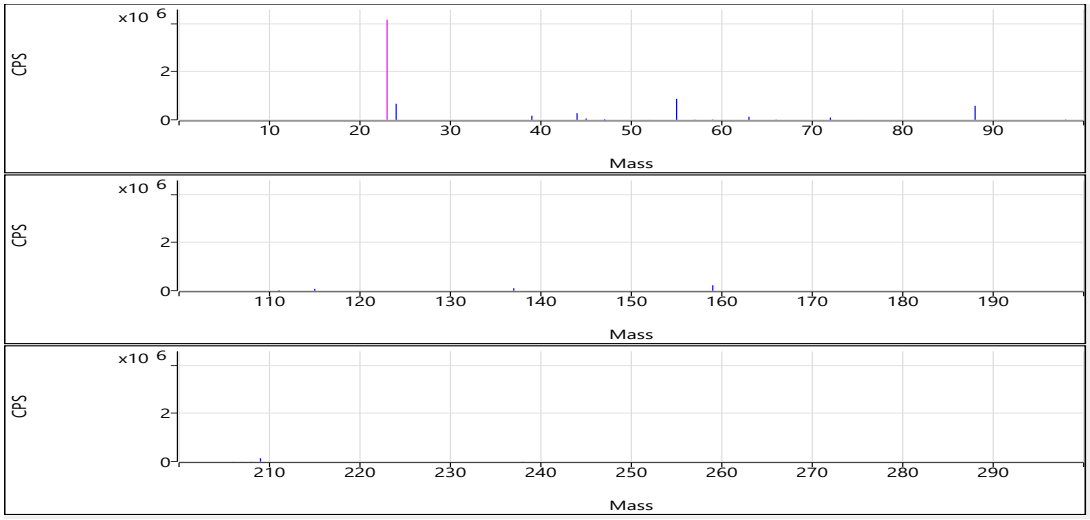


H2



Quantitation Report

He



Quantitation Report

Data File Name	099_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:13:17
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

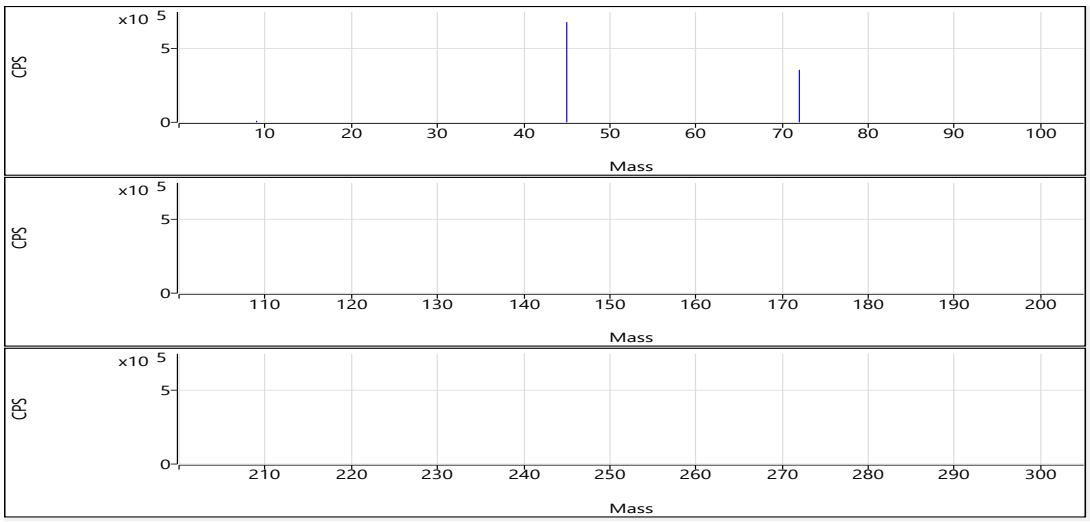
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.453	ppb	1.7	9645.81	0.0142	Pulse	0.5000	3
Se	78	72	H2	51.491	ppb	1.1	10772.91	0.0204	Pulse	1.5000	3
Na	23	45	He	5152.213	ppb	2.5	1096105.76	20.4457	Pulse	0.1000	3
Mg	24	45	He	5112.088	ppb	2.6	546161.79	10.1880	Pulse	0.1000	3
Al	27	45	He	5139.666	ppb	1.7	193233.42	3.6040	Pulse	0.1000	3
K	39	45	He	5149.042	ppb	2.0	541097.16	10.0923	Pulse	0.1000	3
Ca	44	45	He	5050.983	ppb	1.0	26975.47	0.5031	Pulse	0.1000	3
Ti	47	45	He	5099.016	ppb	2.7	188213.01	3.5110	Pulse	0.1000	3
V	51	45	He	514.760	ppb	2.7	724278.46	13.5107	Pulse	0.5000	3
Cr	52	72	He	519.282	ppb	0.8	886188.74	10.3986	Pulse	0.1000	3
Mn	55	45	He	514.217	ppb	2.7	430006.23	8.0212	Pulse	0.1000	3
Fe	57	45	He	5055.677	ppb	1.5	170230.47	3.1749	Pulse	0.1000	3
Co	59	72	He	522.268	ppb	0.1	1590910.91	18.6678	Pulse	0.1000	3
Ni	60	115	He	505.196	ppb	2.8	437594.17	5.8904	Pulse	0.1000	3
Cu	63	115	He	508.191	ppb	2.3	1213065.95	16.3279	Pulse	0.1000	3
Zn	66	72	He	517.108	ppb	2.0	142369.76	1.6706	Pulse	0.1000	3
As	75	72	He	519.004	ppb	0.3	110976.66	1.3022	Pulse	0.5000	3
Sr	88	72	He	51.161	ppb	2.1	57992.34	0.6805	Pulse	0.1000	3
Mo	98	72	He	51.814	ppb	0.8	90751.12	1.0649	Pulse	0.1000	3
Ag	107	115	He	50.660	ppb	2.5	174474.03	2.3485	Pulse	0.1000	3
Cd	111	115	He	50.388	ppb	2.9	21868.38	0.2943	Pulse	0.5000	3
Sn	120	115	He	50.857	ppb	2.3	76561.17	1.0305	Pulse	0.1000	3
Sb	121	115	He	50.241	ppb	1.8	63662.46	0.8567	Pulse	0.1000	3
Ba	137	115	He	508.843	ppb	1.8	235529.74	3.1700	Pulse	0.1000	3
Tl	205	209	He	51.050	ppb	1.1	280786.21	2.0713	Pulse	0.1000	3
Pb	208	209	He	50.704	ppb	1.6	371439.20	2.7401	Pulse	0.1000	3
U	238	209	He	50.528	ppb	1.4	358862.68	2.6471	Pulse	0.1000	3

ISTD Table:

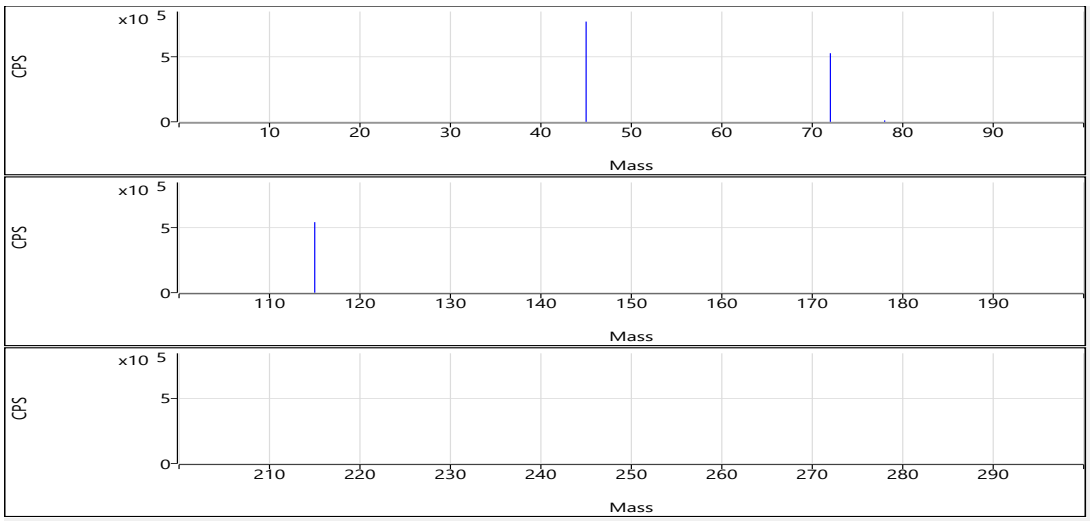
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	677012.93	0.1	99.0	Pulse	0.1000	3
No Gas	Ge	72	354691.37	1.1	98.1	Pulse	0.1000	3
H2	Sc	45	771128.11	0.6	99.7	Pulse	0.1000	3
H2	Ge	72	527739.33	0.4	97.0	Pulse	0.1000	3
H2	In	115	542634.88	0.5	98.4	Pulse	0.1000	3
He	Sc	45	53628.86	2.2	96.1	Pulse	0.1000	3
He	Ge	72	85222.21	0.3	95.4	Pulse	0.1000	3
He	In	115	74317.31	2.0	97.9	Pulse	0.1000	3
He	Tb	159	219355.65	0.2	99.8	Pulse	0.1000	3
He	Bi	209	135572.95	1.4	98.4	Pulse	0.1000	3

No Gas

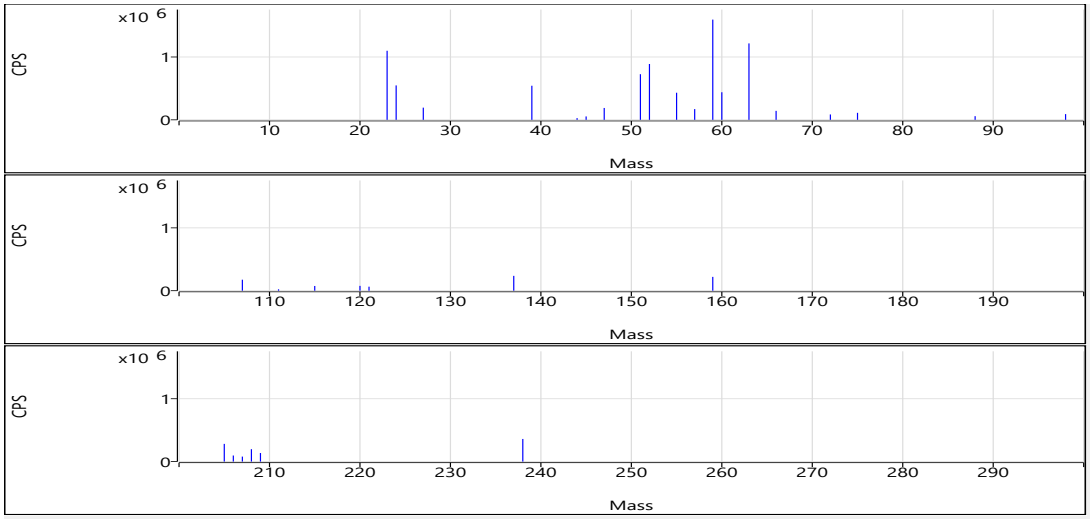


H2



Quantitation Report

He



Quantitation Report

Data File Name	101_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:17:29
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

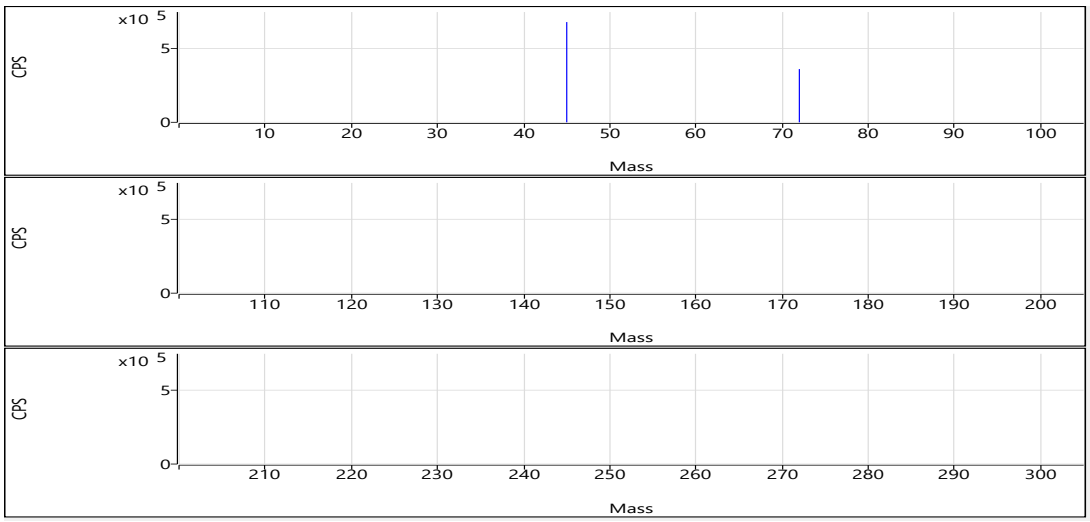
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.042	ppb	N/A	14.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.103	ppb	31.4	29.78	0.0001	Pulse	1.5000	3
Na	23	45	He	53.627	ppb	3.4	26490.79	0.4770	Pulse	0.1000	3
Mg	24	45	He	9.587	ppb	13.1	1660.15	0.0299	Pulse	0.1000	3
Al	27	45	He	0.718	ppb	159.4	173.34	0.0031	Pulse	0.1000	3
K	39	45	He	14.450	ppb	108.7	29911.22	0.5384	Pulse	0.1000	3
Ca	44	45	He	35.286	ppb	67.8	443.36	0.0080	Pulse	0.1000	3
Ti	47	45	He	2.443	ppb	7.9	96.67	0.0017	Pulse	0.1000	3
V	51	45	He	0.193	ppb	22.5	1216.06	0.0219	Pulse	0.5000	3
Cr	52	72	He	0.162	ppb	66.7	2243.59	0.0256	Pulse	0.1000	3
Mn	55	45	He	0.390	ppb	9.9	590.03	0.0106	Pulse	0.1000	3
Fe	57	45	He	-0.818	ppb	N/A	210.01	0.0038	Pulse	0.1000	3
Co	59	72	He	0.147	ppb	22.2	640.04	0.0073	Pulse	0.1000	3
Ni	60	115	He	0.009	ppb	1105.2	1126.75	0.0148	Pulse	0.1000	3
Cu	63	115	He	0.131	ppb	29.5	566.70	0.0075	Pulse	0.1000	3
Zn	66	72	He	0.217	ppb	22.7	150.01	0.0017	Pulse	0.1000	3
As	75	72	He	0.321	ppb	40.2	128.00	0.0015	Pulse	0.5000	3
Sr	88	72	He	0.387	ppb	11.6	740.05	0.0084	Pulse	0.1000	3
Mo	98	72	He	0.077	ppb	15.0	190.01	0.0022	Pulse	0.1000	3
Ag	107	115	He	0.006	ppb	104.8	53.33	0.0007	Pulse	0.1000	3
Cd	111	115	He	0.006	ppb	118.2	4.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	0.082	ppb	248.1	4434.21	0.0583	Pulse	0.1000	3
Sb	121	115	He	0.093	ppb	61.5	143.34	0.0019	Pulse	0.1000	3
Ba	137	115	He	0.346	ppb	65.5	256.68	0.0034	Pulse	0.1000	3
Tl	205	209	He	0.054	ppb	12.9	380.02	0.0027	Pulse	0.1000	3
Pb	208	209	He	0.000	ppb	1712.3	300.01	0.0021	Pulse	0.1000	3
U	238	209	He	0.019	ppb	41.4	260.01	0.0019	Pulse	0.1000	3

ISTD Table:

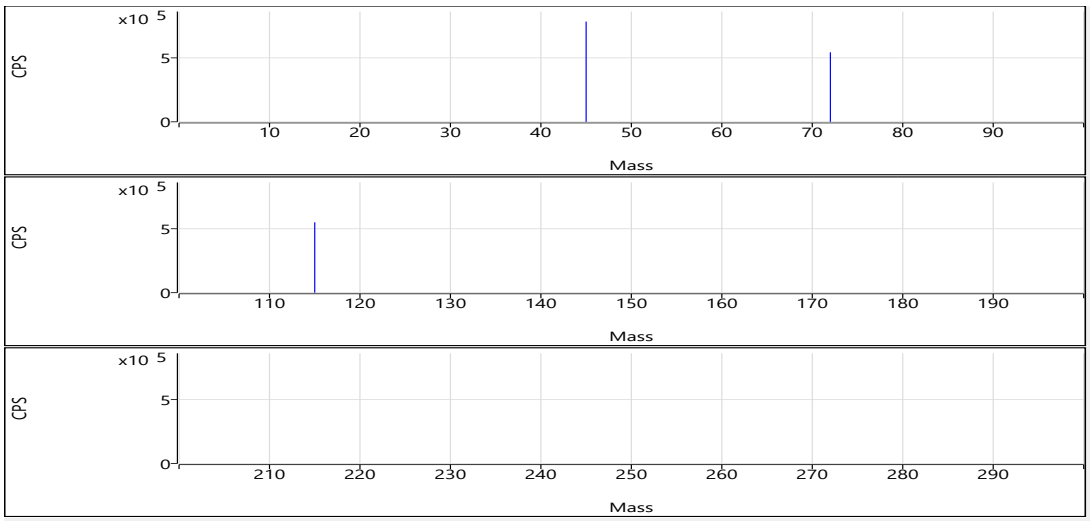
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	674752.62	0.6	98.7	Pulse	0.1000	3
No Gas	Ge	72	358262.18	0.7	99.0	Pulse	0.1000	3
H2	Sc	45	784616.52	1.0	101.4	Pulse	0.1000	3
H2	Ge	72	544311.93	0.9	100.1	Pulse	0.1000	3
H2	In	115	551243.26	1.6	99.9	Pulse	0.1000	3
He	Sc	45	55546.24	2.1	99.5	Pulse	0.1000	3
He	Ge	72	87744.69	2.2	98.2	Pulse	0.1000	3
He	In	115	76059.35	1.9	100.2	Pulse	0.1000	3
He	Tb	159	225644.59	1.7	102.7	Pulse	0.1000	3
He	Bi	209	139950.66	1.1	101.6	Pulse	0.1000	3

No Gas

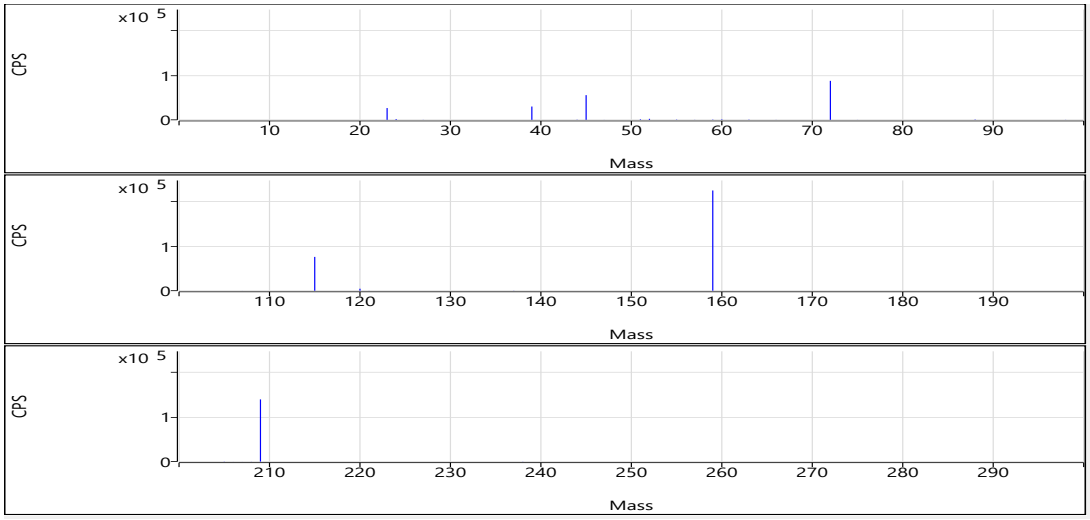


H2



Quantitation Report

He



Quantitation Report

Data File Name	102SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:19:35
Sample Name	410-234466-L-2-A
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

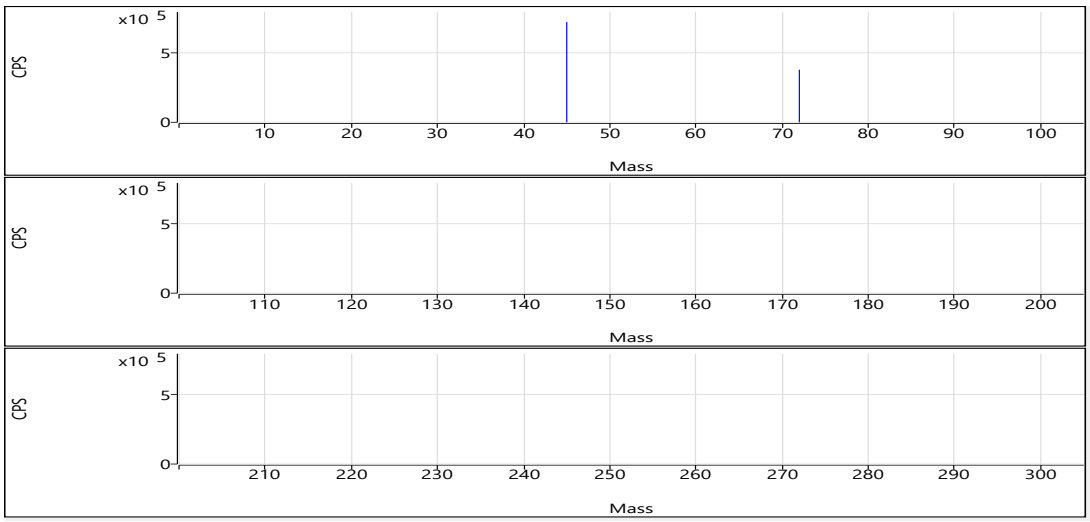
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.025	ppb	N/A	19.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.036	ppb	17.5	16.00	0.0000	Pulse	1.5000	3
Na	23	45	He	3836.338	ppb	0.4	895213.84	15.2921	Pulse	0.1000	3
Mg	24	45	He	1095.519	ppb	0.2	128306.72	2.1918	Pulse	0.1000	3
Al	27	45	He	3.088	ppb	42.7	280.01	0.0048	Pulse	0.1000	3
K	39	45	He	1441.103	ppb	1.4	186940.83	3.1930	Pulse	0.1000	3
Ca	44	45	He	5067.160	ppb	0.3	29543.98	0.5047	Pulse	0.1000	3
Ti	47	45	He	0.907	ppb	55.6	40.00	0.0007	Pulse	0.1000	3
V	51	45	He	0.025	ppb	132.8	1022.05	0.0175	Pulse	0.5000	3
Cr	52	72	He	-0.097	ppb	N/A	1900.19	0.0204	Pulse	0.1000	3
Mn	55	45	He	1320.185	ppb	0.6	1205101.41	20.5864	Pulse	0.1000	3
Fe	57	45	He	9645.885	ppb	1.1	354359.80	6.0536	Pulse	0.1000	3
Co	59	72	He	1.456	ppb	2.9	5044.40	0.0541	Pulse	0.1000	3
Ni	60	115	He	1.113	ppb	18.2	2230.26	0.0276	Pulse	0.1000	3
Cu	63	115	He	0.182	ppb	19.1	733.38	0.0091	Pulse	0.1000	3
Zn	66	72	He	1.388	ppb	26.6	513.36	0.0055	Pulse	0.1000	3
As	75	72	He	14.046	ppb	0.4	3346.41	0.0359	Pulse	0.5000	3
Sr	88	72	He	46.536	ppb	0.9	57744.51	0.6193	Pulse	0.1000	3
Mo	98	72	He	1.721	ppb	3.0	3353.86	0.0359	Pulse	0.1000	3
Ag	107	115	He	0.007	ppb	21.1	63.33	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.018	ppb	26.8	10.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.586	ppb	N/A	3673.94	0.0455	Pulse	0.1000	3
Sb	121	115	He	0.055	ppb	23.3	100.00	0.0012	Pulse	0.1000	3
Ba	137	115	He	8.071	ppb	3.8	4154.10	0.0515	Pulse	0.1000	3
Tl	205	209	He	0.015	ppb	39.8	163.34	0.0011	Pulse	0.1000	3
Pb	208	209	He	0.155	ppb	0.5	1550.10	0.0105	Pulse	0.1000	3
U	238	209	He	0.018	ppb	36.8	263.35	0.0018	Pulse	0.1000	3

ISTD Table:

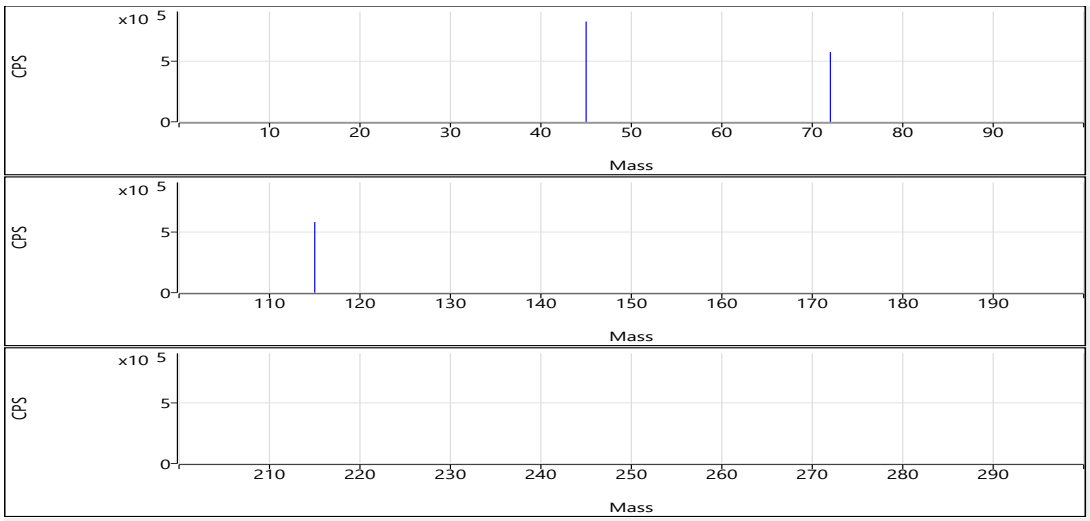
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	722130.82	0.5	105.6	Pulse	0.1000	3
No Gas	Ge	72	378543.29	1.0	104.7	Pulse	0.1000	3
H2	Sc	45	819251.24	1.3	105.9	Pulse	0.1000	3
H2	Ge	72	569927.48	1.0	104.8	Pulse	0.1000	3
H2	In	115	577381.24	0.5	104.7	Pulse	0.1000	3
He	Sc	45	58540.81	1.6	104.9	Pulse	0.1000	3
He	Ge	72	93258.29	2.4	104.4	Pulse	0.1000	3
He	In	115	80663.95	0.5	106.2	Pulse	0.1000	3
He	Tb	159	235614.84	1.2	107.2	Pulse	0.1000	3
He	Bi	209	147580.14	0.3	107.1	Pulse	0.1000	3

No Gas

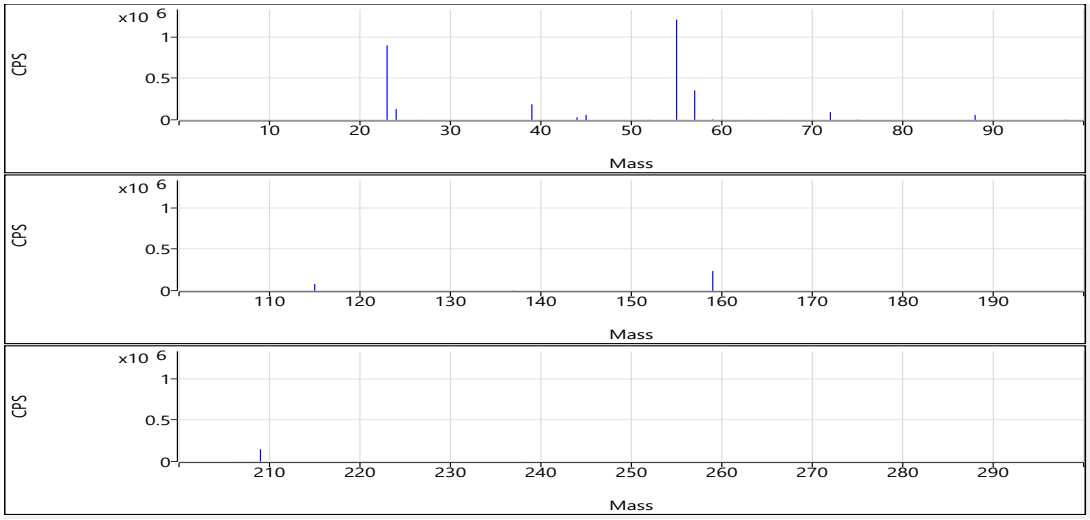


H2



Quantitation Report

He



Quantitation Report

Data File Name	103SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:21:43
Sample Name	410-234466-L-2-B DU
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

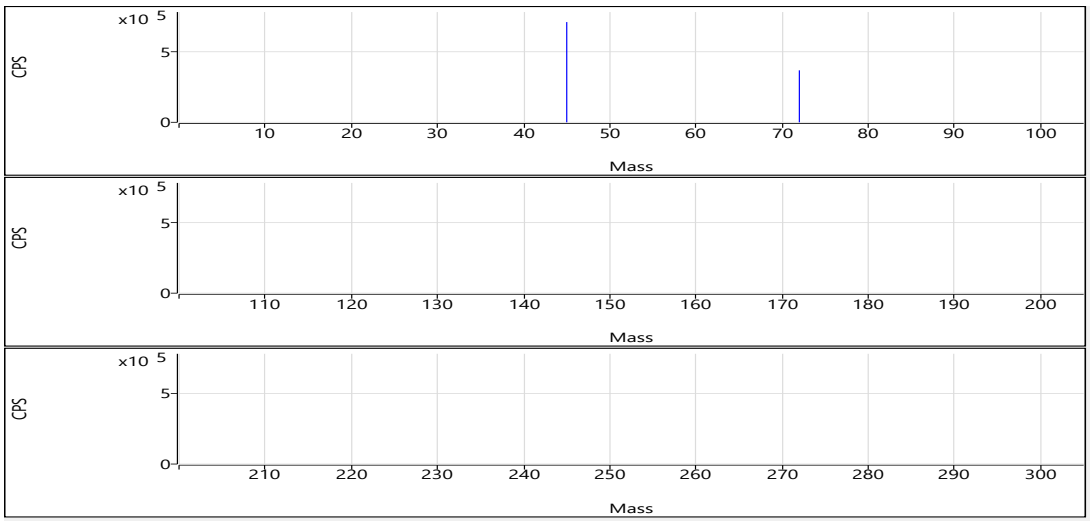
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.010	ppb	N/A	22.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.045	ppb	51.1	17.78	0.0000	Pulse	1.5000	3
Na	23	45	He	3779.538	ppb	1.3	861824.91	15.0696	Pulse	0.1000	3
Mg	24	45	He	1078.280	ppb	0.9	123391.80	2.1575	Pulse	0.1000	3
Al	27	45	He	5.079	ppb	19.6	353.35	0.0062	Pulse	0.1000	3
K	39	45	He	1439.063	ppb	1.8	182381.94	3.1892	Pulse	0.1000	3
Ca	44	45	He	5034.938	ppb	0.9	28685.43	0.5015	Pulse	0.1000	3
Ti	47	45	He	1.269	ppb	12.9	53.33	0.0009	Pulse	0.1000	3
V	51	45	He	-0.058	ppb	N/A	874.70	0.0153	Pulse	0.5000	3
Cr	52	72	He	0.003	ppb	3342.1	2000.20	0.0224	Pulse	0.1000	3
Mn	55	45	He	1304.485	ppb	1.1	1163354.36	20.3416	Pulse	0.1000	3
Fe	57	45	He	9590.573	ppb	1.1	344230.01	6.0189	Pulse	0.1000	3
Co	59	72	He	1.469	ppb	6.4	4874.33	0.0545	Pulse	0.1000	3
Ni	60	115	He	1.150	ppb	8.3	2183.57	0.0281	Pulse	0.1000	3
Cu	63	115	He	0.195	ppb	12.1	740.05	0.0095	Pulse	0.1000	3
Zn	66	72	He	0.948	ppb	20.7	363.35	0.0041	Pulse	0.1000	3
As	75	72	He	14.331	ppb	0.9	3271.06	0.0366	Pulse	0.5000	3
Sr	88	72	He	47.019	ppb	1.7	55914.18	0.6257	Pulse	0.1000	3
Mo	98	72	He	1.913	ppb	7.1	3560.58	0.0399	Pulse	0.1000	3
Ag	107	115	He	0.010	ppb	69.3	70.00	0.0009	Pulse	0.1000	3
Cd	111	115	He	0.004	ppb	5.4	4.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.758	ppb	N/A	3290.51	0.0423	Pulse	0.1000	3
Sb	121	115	He	0.062	ppb	17.2	106.67	0.0014	Pulse	0.1000	3
Ba	137	115	He	7.724	ppb	3.8	3837.35	0.0493	Pulse	0.1000	3
Tl	205	209	He	0.017	ppb	77.4	173.34	0.0012	Pulse	0.1000	3
Pb	208	209	He	0.122	ppb	10.8	1246.74	0.0087	Pulse	0.1000	3
U	238	209	He	0.018	ppb	20.5	253.35	0.0018	Pulse	0.1000	3

ISTD Table:

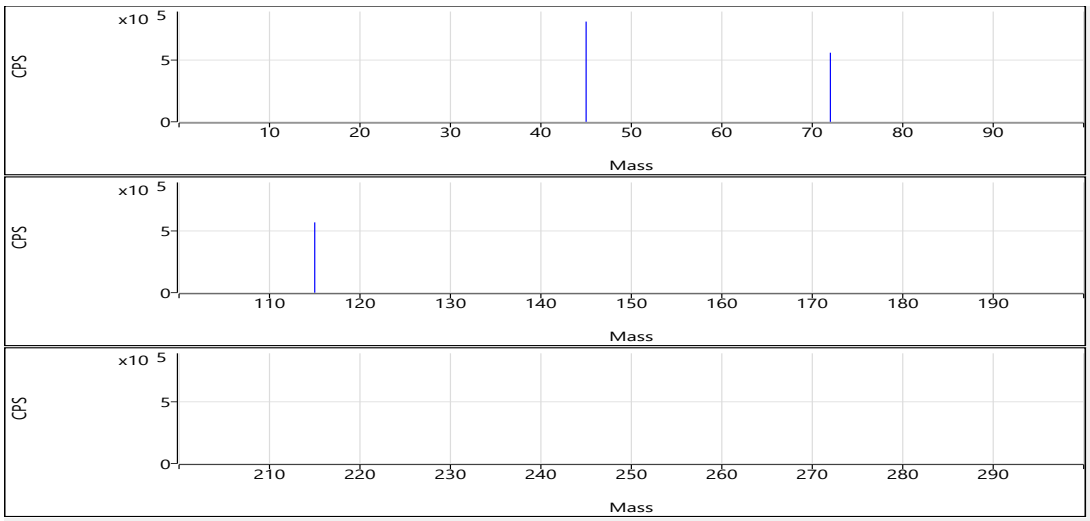
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	708267.65	0.7	103.6	Pulse	0.1000	3
No Gas	Ge	72	367191.23	0.6	101.5	Pulse	0.1000	3
H2	Sc	45	813047.67	0.8	105.1	Pulse	0.1000	3
H2	Ge	72	560540.55	0.7	103.0	Pulse	0.1000	3
H2	In	115	570362.20	0.7	103.4	Pulse	0.1000	3
He	Sc	45	57202.51	2.7	102.5	Pulse	0.1000	3
He	Ge	72	89370.30	2.4	100.1	Pulse	0.1000	3
He	In	115	77787.96	2.6	102.4	Pulse	0.1000	3
He	Tb	159	226044.83	2.1	102.8	Pulse	0.1000	3
He	Bi	209	142875.90	1.5	103.7	Pulse	0.1000	3

No Gas

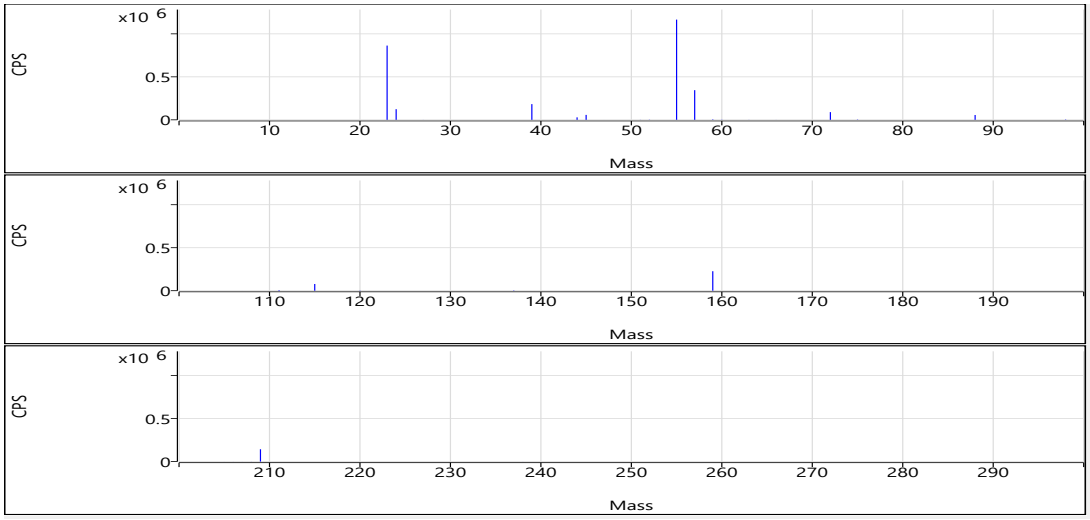


H2



Quantitation Report

He



Quantitation Report

Data File Name	104SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:23:49
Sample Name	410-234466-L-2-C MS
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

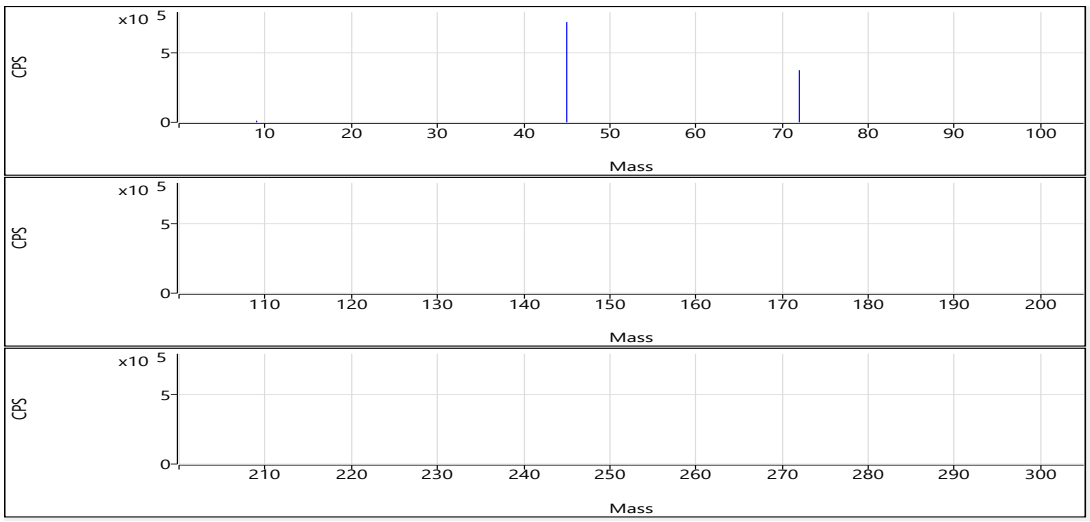
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	53.733	ppb	2.0	11593.87	0.0161	Pulse	0.5000	3
Se	78	72	H2	106.404	ppb	0.8	23407.59	0.0422	Pulse	1.5000	3
Na	23	45	He	8887.800	ppb	0.7	2058666.64	35.0763	Pulse	0.1000	3
Mg	24	45	He	6184.146	ppb	1.7	723162.88	12.3222	Pulse	0.1000	3
Al	27	45	He	5178.855	ppb	1.2	213124.83	3.6315	Pulse	0.1000	3
K	39	45	He	6689.696	ppb	1.0	760576.63	12.9590	Pulse	0.1000	3
Ca	44	45	He	10043.413	ppb	0.5	58450.65	0.9959	Pulse	0.1000	3
Ti	47	45	He	504.702	ppb	1.3	20398.08	0.3476	Pulse	0.1000	3
V	51	45	He	513.989	ppb	1.1	791746.42	13.4905	Pulse	0.5000	3
Cr	52	72	He	530.596	ppb	0.8	967430.14	10.6247	Pulse	0.1000	3
Mn	55	45	He	1786.717	ppb	1.2	1635054.46	27.8596	Pulse	0.1000	3
Fe	57	45	He	14432.990	ppb	1.6	531472.54	9.0558	Pulse	0.1000	3
Co	59	72	He	537.226	ppb	0.3	1748490.96	19.2024	Pulse	0.1000	3
Ni	60	115	He	521.663	ppb	2.4	480336.86	6.0819	Pulse	0.1000	3
Cu	63	115	He	527.768	ppb	1.9	1339247.74	16.9567	Pulse	0.1000	3
Zn	66	72	He	537.585	ppb	0.4	158138.10	1.7367	Pulse	0.1000	3
As	75	72	He	557.785	ppb	0.9	127423.57	1.3995	Pulse	0.5000	3
Sr	88	72	He	98.710	ppb	1.2	119263.68	1.3099	Pulse	0.1000	3
Mo	98	72	He	50.802	ppb	0.5	95065.85	1.0441	Pulse	0.1000	3
Ag	107	115	He	53.028	ppb	3.2	194135.75	2.4583	Pulse	0.1000	3
Cd	111	115	He	52.540	ppb	3.0	24238.18	0.3069	Pulse	0.5000	3
Sn	120	115	He	98.909	ppb	1.6	154057.82	1.9505	Pulse	0.1000	3
Sb	121	115	He	93.384	ppb	2.1	125751.49	1.5922	Pulse	0.1000	3
Ba	137	115	He	534.241	ppb	2.3	262853.92	3.3282	Pulse	0.1000	3
Tl	205	209	He	107.939	ppb	0.7	620541.20	4.3789	Pulse	0.1000	3
Pb	208	209	He	53.334	ppb	1.1	408424.57	2.8822	Pulse	0.1000	3
U	238	209	He	52.506	ppb	1.4	389779.94	2.7508	Pulse	0.1000	3

ISTD Table:

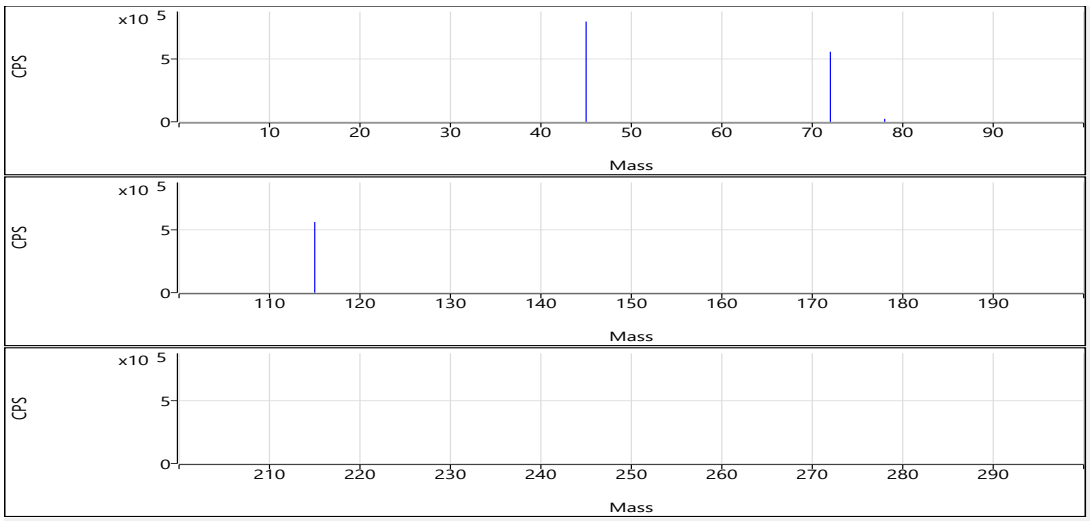
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	718797.20	0.4	105.1	Pulse	0.1000	3
No Gas	Ge	72	373842.34	0.8	103.4	Pulse	0.1000	3
H2	Sc	45	793909.78	0.0	102.6	Pulse	0.1000	3
H2	Ge	72	555111.85	0.9	102.0	Pulse	0.1000	3
H2	In	115	560085.15	0.4	101.5	Pulse	0.1000	3
He	Sc	45	58691.57	0.8	105.2	Pulse	0.1000	3
He	Ge	72	91054.40	0.7	101.9	Pulse	0.1000	3
He	In	115	78991.76	1.1	104.0	Pulse	0.1000	3
He	Tb	159	228809.43	1.3	104.1	Pulse	0.1000	3
He	Bi	209	141718.54	1.5	102.9	Pulse	0.1000	3

No Gas

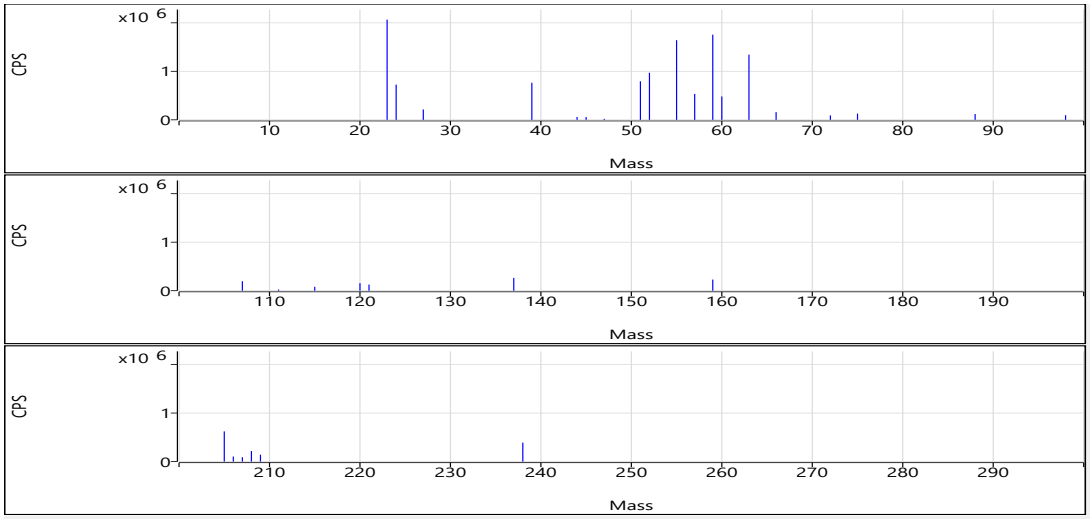


H2



Quantitation Report

He



Quantitation Report

Data File Name	105SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:25:56
Sample Name	410-234466-L-2-D MSD
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

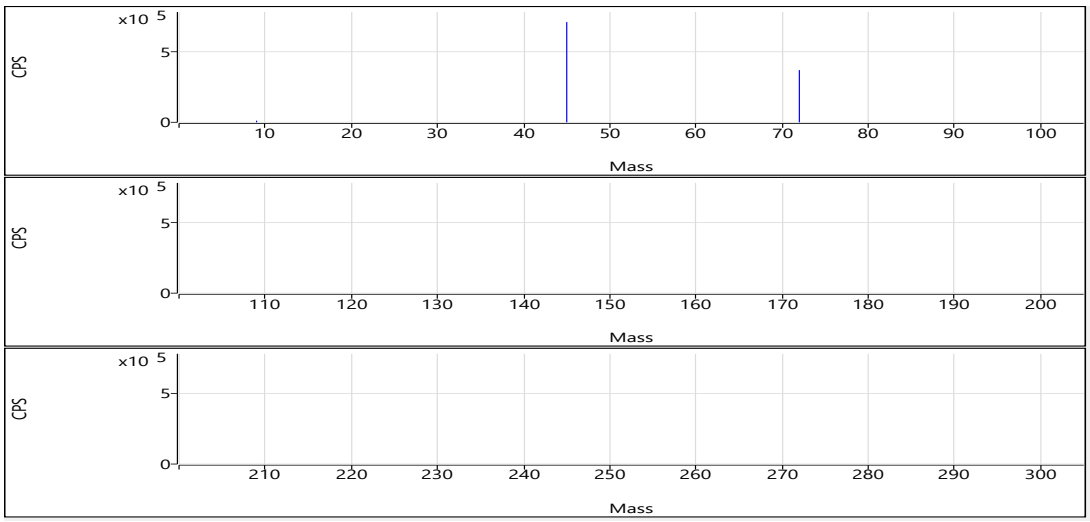
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	54.239	ppb	2.7	11597.86	0.0163	Pulse	0.5000	3
Se	78	72	H2	107.258	ppb	0.3	23923.99	0.0425	Pulse	1.5000	3
Na	23	45	He	8780.990	ppb	1.8	1998888.98	34.6579	Pulse	0.1000	3
Mg	24	45	He	6101.049	ppb	1.8	701143.35	12.1568	Pulse	0.1000	3
Al	27	45	He	5126.121	ppb	2.0	207309.60	3.5945	Pulse	0.1000	3
K	39	45	He	6614.931	ppb	1.7	739394.57	12.8199	Pulse	0.1000	3
Ca	44	45	He	9880.344	ppb	2.0	56510.30	0.9798	Pulse	0.1000	3
Ti	47	45	He	472.845	ppb	2.4	18782.58	0.3256	Pulse	0.1000	3
V	51	45	He	509.609	ppb	1.6	771452.75	13.3757	Pulse	0.5000	3
Cr	52	72	He	528.007	ppb	1.5	947872.04	10.5729	Pulse	0.1000	3
Mn	55	45	He	1784.306	ppb	1.6	1604657.53	27.8221	Pulse	0.1000	3
Fe	57	45	He	14385.408	ppb	1.8	520582.77	9.0260	Pulse	0.1000	3
Co	59	72	He	531.691	ppb	2.1	1703624.40	19.0046	Pulse	0.1000	3
Ni	60	115	He	527.733	ppb	1.4	466154.94	6.1525	Pulse	0.1000	3
Cu	63	115	He	532.945	ppb	1.0	1297362.69	17.1230	Pulse	0.1000	3
Zn	66	72	He	529.575	ppb	1.2	153390.10	1.7109	Pulse	0.1000	3
As	75	72	He	552.666	ppb	0.7	124318.77	1.3866	Pulse	0.5000	3
Sr	88	72	He	97.136	ppb	0.3	115576.41	1.2890	Pulse	0.1000	3
Mo	98	72	He	51.358	ppb	2.8	94612.45	1.0555	Pulse	0.1000	3
Ag	107	115	He	53.972	ppb	1.6	189579.08	2.5020	Pulse	0.1000	3
Cd	111	115	He	53.648	ppb	0.5	23746.02	0.3134	Pulse	0.5000	3
Sn	120	115	He	99.923	ppb	1.0	149267.06	1.9699	Pulse	0.1000	3
Sb	121	115	He	94.741	ppb	1.1	122398.14	1.6153	Pulse	0.1000	3
Ba	137	115	He	545.863	ppb	0.8	257662.22	3.4006	Pulse	0.1000	3
Tl	205	209	He	106.603	ppb	1.3	611098.79	4.3247	Pulse	0.1000	3
Pb	208	209	He	52.511	ppb	1.1	401003.59	2.8377	Pulse	0.1000	3
U	238	209	He	52.023	ppb	1.8	385091.83	2.7254	Pulse	0.1000	3

ISTD Table:

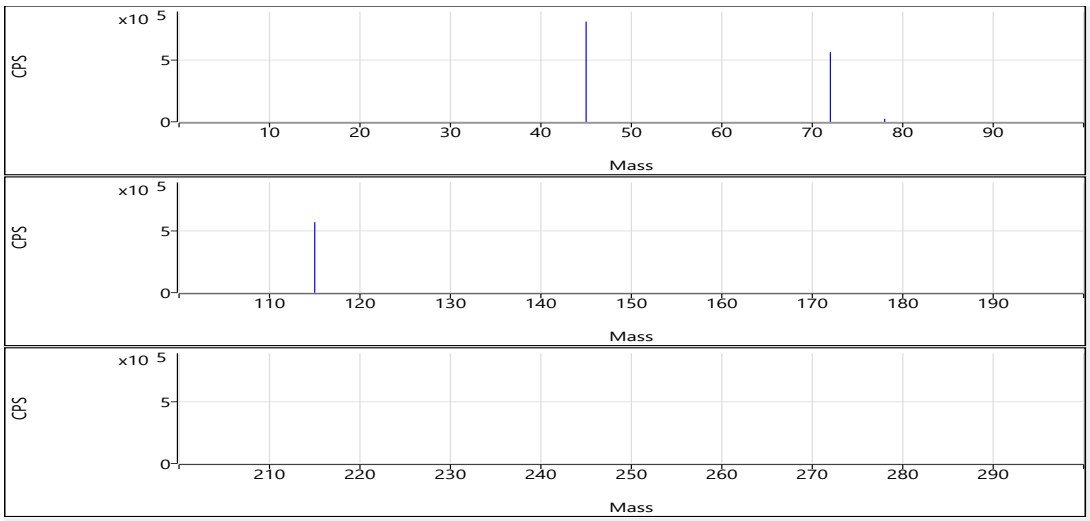
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	712354.89	0.4	104.2	Pulse	0.1000	3
No Gas	Ge	72	370811.67	1.2	102.5	Pulse	0.1000	3
H2	Sc	45	810167.25	1.2	104.7	Pulse	0.1000	3
H2	Ge	72	562816.67	0.4	103.5	Pulse	0.1000	3
H2	In	115	569848.13	1.0	103.3	Pulse	0.1000	3
He	Sc	45	57684.29	1.4	103.3	Pulse	0.1000	3
He	Ge	72	89662.20	1.5	100.4	Pulse	0.1000	3
He	In	115	75774.79	1.5	99.8	Pulse	0.1000	3
He	Tb	159	226334.22	1.4	103.0	Pulse	0.1000	3
He	Bi	209	141335.85	2.5	102.6	Pulse	0.1000	3

No Gas

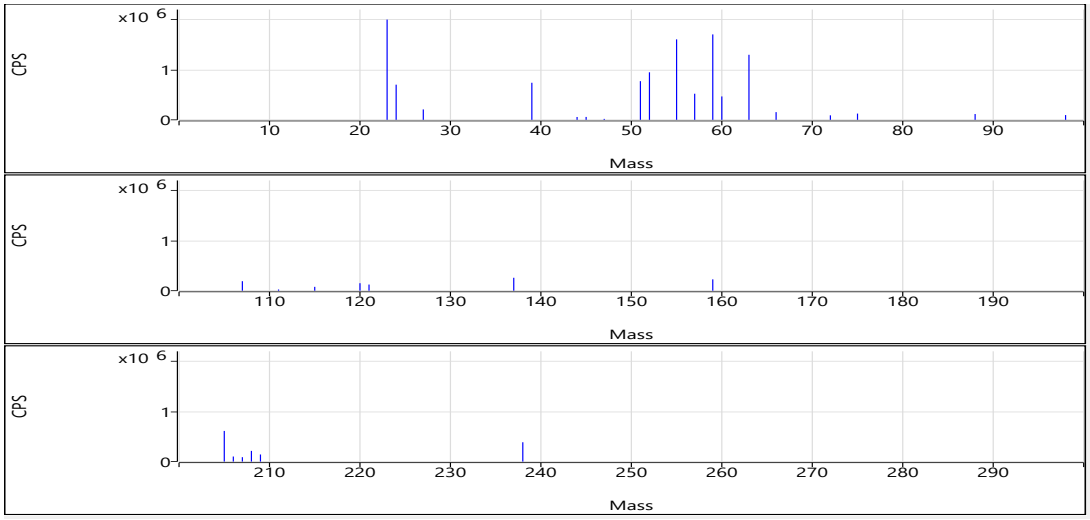


H2



Quantitation Report

He



Quantitation Report

Data File Name	106SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:28:02
Sample Name	410-234466-K-1-A
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

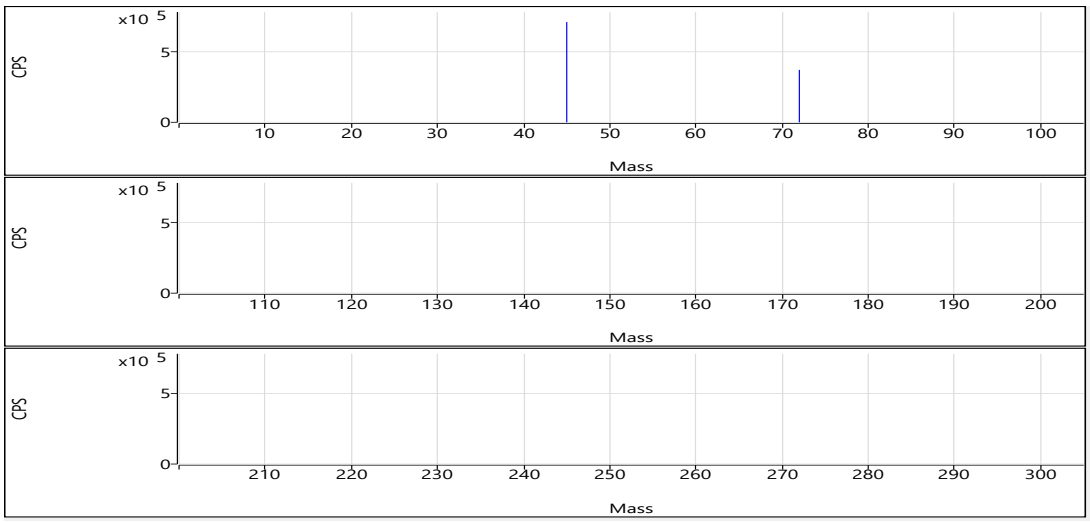
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.062	ppb	32.0	37.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	1.186	ppb	5.5	274.23	0.0005	Pulse	1.5000	3
Na	23	45	He	3828.039	ppb	2.4	858627.25	15.2596	Pulse	0.1000	3
Mg	24	45	He	2376.681	ppb	2.6	266831.89	4.7423	Pulse	0.1000	3
Al	27	45	He	11.219	ppb	20.6	590.03	0.0105	Pulse	0.1000	3
K	39	45	He	1890.730	ppb	3.0	226736.08	4.0296	Pulse	0.1000	3
Ca	44	45	He	11021.924	ppb	3.5	61459.66	1.0925	Pulse	0.1000	3
Ti	47	45	He	2.570	ppb	33.7	103.34	0.0018	Pulse	0.1000	3
V	51	45	He	0.955	ppb	11.2	2353.54	0.0418	Pulse	0.5000	3
Cr	52	72	He	1.039	ppb	11.8	3887.34	0.0431	Pulse	0.1000	3
Mn	55	45	He	3154.486	ppb	2.0	2767625.58	49.1833	Pulse	0.1000	3
Fe	57	45	He	43056.466	ppb	2.0	1519705.65	27.0067	Pulse	0.1000	3
Co	59	72	He	5.008	ppb	1.7	16336.29	0.1810	Pulse	0.1000	3
Ni	60	115	He	2.554	ppb	9.4	3447.20	0.0444	Pulse	0.1000	3
Cu	63	115	He	1.027	ppb	4.2	2810.37	0.0362	Pulse	0.1000	3
Zn	66	72	He	3.141	ppb	9.7	1006.73	0.0111	Pulse	0.1000	3
As	75	72	He	42.023	ppb	1.1	9569.89	0.1060	Pulse	0.5000	3
Sr	88	72	He	106.916	ppb	1.8	128018.53	1.4185	Pulse	0.1000	3
Mo	98	72	He	3.120	ppb	7.2	5834.72	0.0647	Pulse	0.1000	3
Ag	107	115	He	0.048	ppb	21.4	206.68	0.0027	Pulse	0.1000	3
Cd	111	115	He	0.075	ppb	41.5	36.00	0.0005	Pulse	0.5000	3
Sn	120	115	He	-0.086	ppb	N/A	4274.14	0.0551	Pulse	0.1000	3
Sb	121	115	He	1.818	ppb	15.0	2423.62	0.0313	Pulse	0.1000	3
Ba	137	115	He	22.200	ppb	1.9	10817.92	0.1395	Pulse	0.1000	3
Tl	205	209	He	0.221	ppb	6.5	1363.46	0.0095	Pulse	0.1000	3
Pb	208	209	He	0.428	ppb	2.3	3630.33	0.0253	Pulse	0.1000	3
U	238	209	He	0.610	ppb	4.6	4714.39	0.0328	Pulse	0.1000	3

ISTD Table:

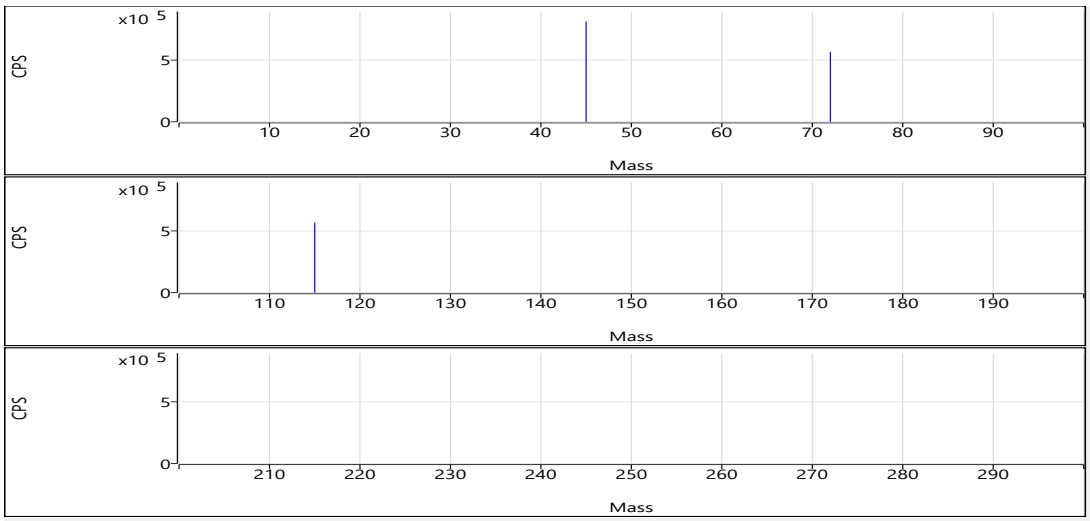
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	706571.29	1.8	103.4	Pulse	0.1000	3
No Gas	Ge	72	369542.61	1.5	102.2	Pulse	0.1000	3
H2	Sc	45	813187.77	0.4	105.1	Pulse	0.1000	3
H2	Ge	72	566666.96	0.1	104.2	Pulse	0.1000	3
H2	In	115	568163.66	0.5	103.0	Pulse	0.1000	3
He	Sc	45	56289.08	2.4	100.8	Pulse	0.1000	3
He	Ge	72	90255.69	1.4	101.1	Pulse	0.1000	3
He	In	115	77575.42	1.9	102.2	Pulse	0.1000	3
He	Tb	159	229607.61	0.7	104.5	Pulse	0.1000	3
He	Bi	209	143760.71	0.7	104.4	Pulse	0.1000	3

No Gas

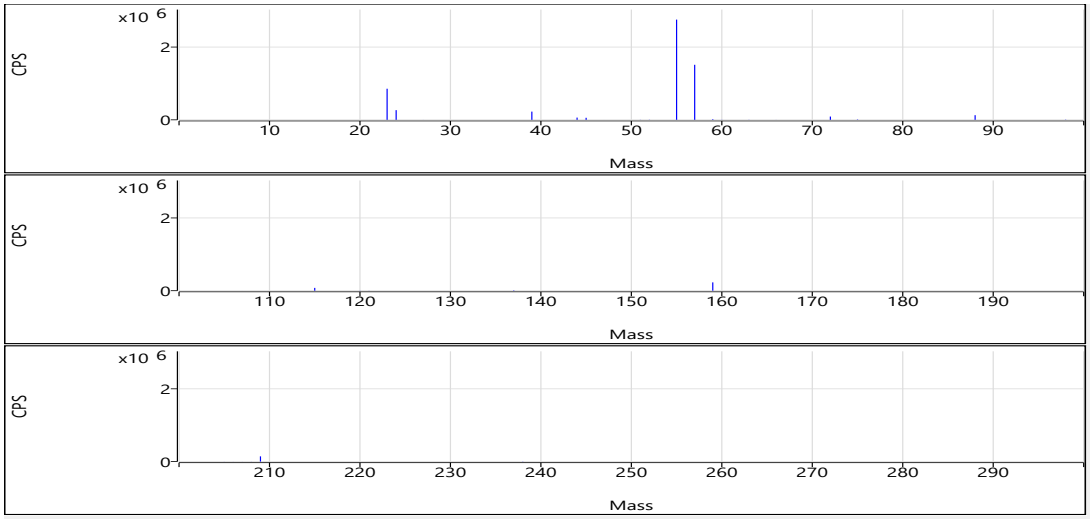


H2



Quantitation Report

He



Quantitation Report

Data File Name	107SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:30:08
Sample Name	410-234466-L-3-A
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

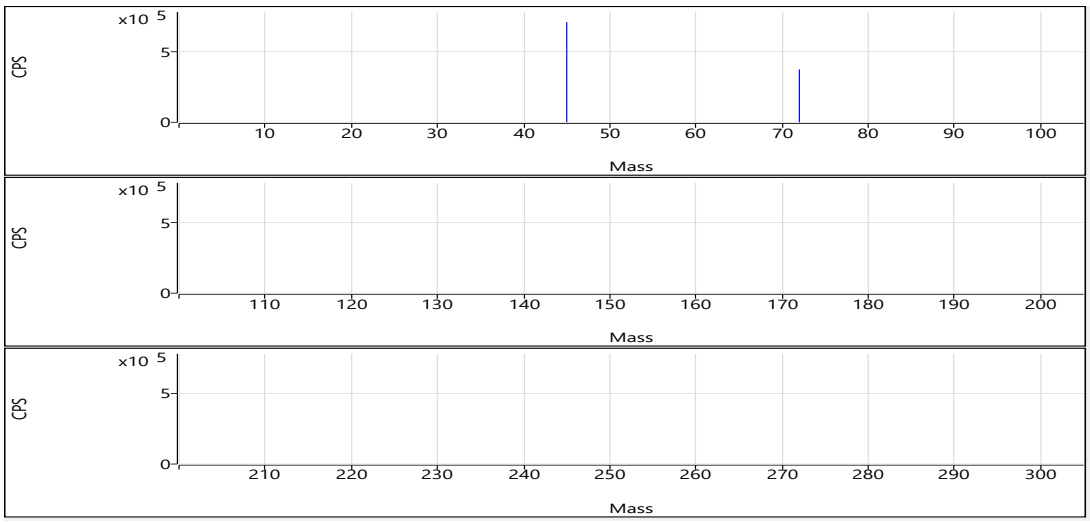
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.006	ppb	1489.0	25.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.331	ppb	5.7	82.89	0.0001	Pulse	1.5000	3
Na	23	45	He	3817.271	ppb	2.6	880168.79	15.2174	Pulse	0.1000	3
Mg	24	45	He	1320.879	ppb	1.9	152738.20	2.6404	Pulse	0.1000	3
Al	27	45	He	9.854	ppb	17.8	553.36	0.0095	Pulse	0.1000	3
K	39	45	He	2539.123	ppb	1.8	302919.77	5.2361	Pulse	0.1000	3
Ca	44	45	He	5861.706	ppb	1.5	33736.33	0.5831	Pulse	0.1000	3
Ti	47	45	He	1.101	ppb	61.2	46.67	0.0008	Pulse	0.1000	3
V	51	45	He	0.181	ppb	19.3	1245.39	0.0215	Pulse	0.5000	3
Cr	52	72	He	0.040	ppb	325.9	2120.24	0.0231	Pulse	0.1000	3
Mn	55	45	He	74.915	ppb	3.5	67794.93	1.1725	Pulse	0.1000	3
Fe	57	45	He	273.989	ppb	6.6	10177.19	0.1761	Pulse	0.1000	3
Co	59	72	He	1.311	ppb	2.3	4484.19	0.0489	Pulse	0.1000	3
Ni	60	115	He	0.786	ppb	26.5	1916.86	0.0238	Pulse	0.1000	3
Cu	63	115	He	0.452	ppb	6.1	1426.78	0.0178	Pulse	0.1000	3
Zn	66	72	He	0.993	ppb	22.1	386.68	0.0042	Pulse	0.1000	3
As	75	72	He	0.666	ppb	4.8	213.33	0.0023	Pulse	0.5000	3
Sr	88	72	He	71.011	ppb	0.5	86476.26	0.9432	Pulse	0.1000	3
Mo	98	72	He	0.752	ppb	7.0	1470.13	0.0160	Pulse	0.1000	3
Ag	107	115	He	0.036	ppb	42.8	170.01	0.0021	Pulse	0.1000	3
Cd	111	115	He	0.041	ppb	53.1	21.33	0.0003	Pulse	0.5000	3
Sn	120	115	He	-0.608	ppb	N/A	3627.27	0.0451	Pulse	0.1000	3
Sb	121	115	He	0.960	ppb	3.2	1340.11	0.0167	Pulse	0.1000	3
Ba	137	115	He	3.316	ppb	15.7	1760.17	0.0219	Pulse	0.1000	3
Tl	205	209	He	0.085	ppb	28.2	583.37	0.0040	Pulse	0.1000	3
Pb	208	209	He	0.021	ppb	117.9	476.70	0.0032	Pulse	0.1000	3
U	238	209	He	0.076	ppb	21.3	706.72	0.0048	Pulse	0.1000	3

ISTD Table:

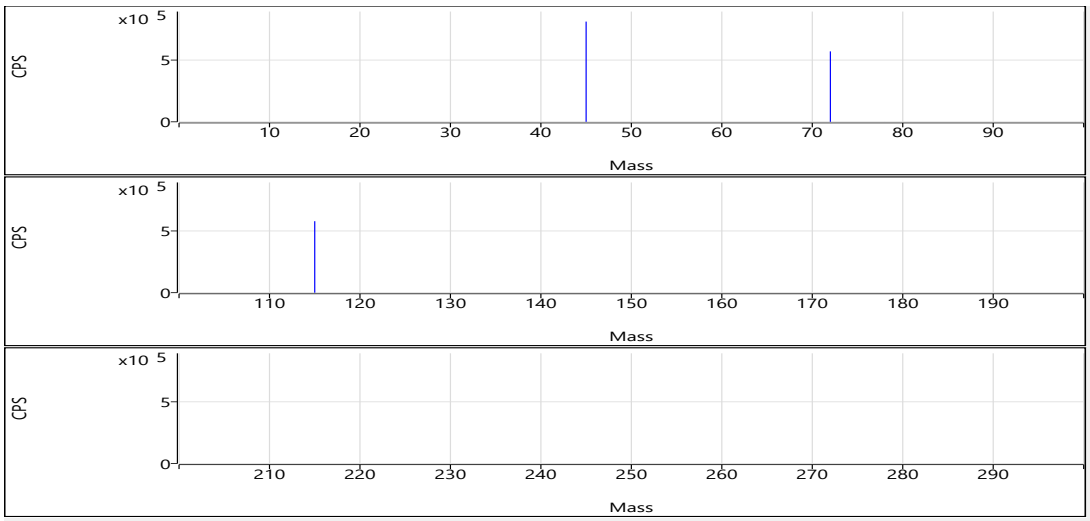
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	708372.62	0.8	103.6	Pulse	0.1000	3
No Gas	Ge	72	373706.88	0.1	103.3	Pulse	0.1000	3
H2	Sc	45	814227.54	1.0	105.3	Pulse	0.1000	3
H2	Ge	72	572240.06	0.6	105.2	Pulse	0.1000	3
H2	In	115	580744.39	0.5	105.3	Pulse	0.1000	3
He	Sc	45	57871.73	3.7	103.7	Pulse	0.1000	3
He	Ge	72	91685.07	2.2	102.7	Pulse	0.1000	3
He	In	115	80386.74	1.4	105.9	Pulse	0.1000	3
He	Tb	159	232441.90	2.4	105.8	Pulse	0.1000	3
He	Bi	209	146699.79	2.3	106.5	Pulse	0.1000	3

No Gas

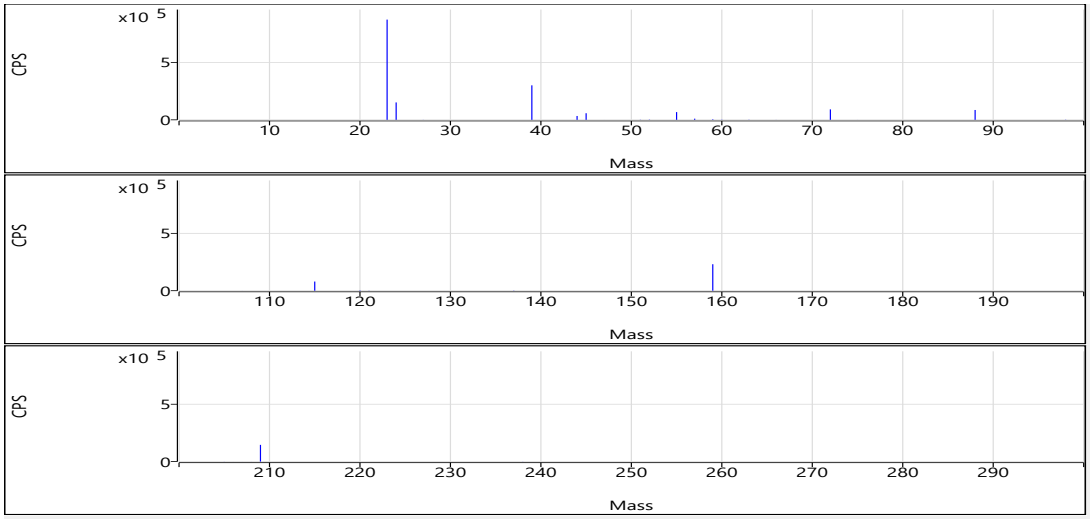


H2



Quantitation Report

He



Quantitation Report

Data File Name	108SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:32:14
Sample Name	410-236127-D-3-A
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

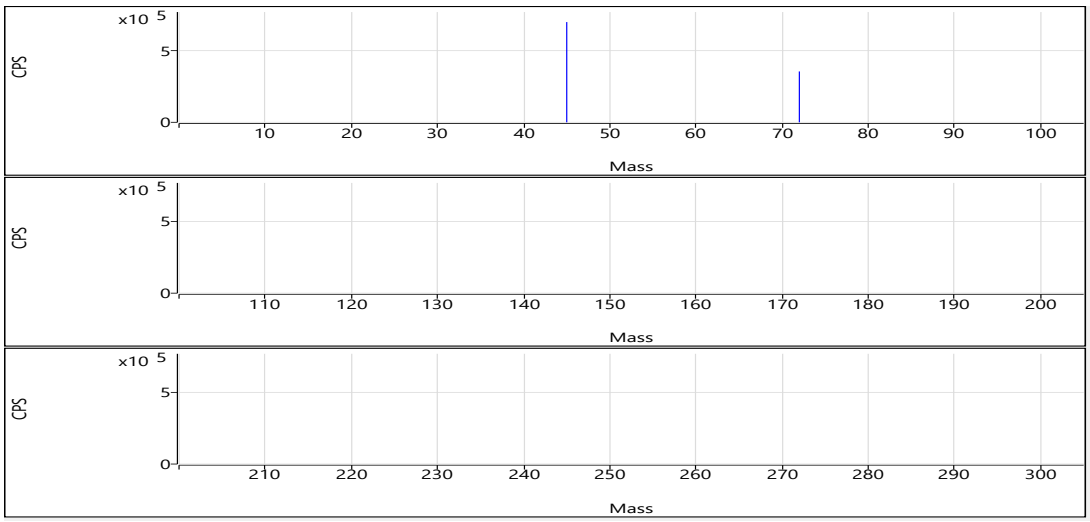
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.004	ppb	657.6	24.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.259	ppb	11.0	62.22	0.0001	Pulse	1.5000	3
Na	23	45	He	153484.063	ppb	0.8	34301860.32	601.3912	Analog	0.1000	3
Mg	24	45	He	27997.238	ppb	1.3	3179531.62	55.7478	Pulse	0.1000	3
Al	27	45	He	4.603	ppb	39.3	333.35	0.0059	Pulse	0.1000	3
K	39	45	He	2627.820	ppb	1.6	308055.55	5.4011	Pulse	0.1000	3
Ca	44	45	He	214275.265	ppb	1.2	1206636.02	21.1557	Pulse	0.1000	3
Ti	47	45	He	1.020	ppb	52.8	43.33	0.0008	Pulse	0.1000	3
V	51	45	He	0.228	ppb	8.3	1298.74	0.0228	Pulse	0.5000	3
Cr	52	72	He	0.196	ppb	67.0	2250.26	0.0263	Pulse	0.1000	3
Mn	55	45	He	256.756	ppb	0.4	228571.58	4.0074	Pulse	0.1000	3
Fe	57	45	He	46.328	ppb	17.6	1903.52	0.0334	Pulse	0.1000	3
Co	59	72	He	0.526	ppb	10.7	1786.84	0.0209	Pulse	0.1000	3
Ni	60	115	He	2.913	ppb	5.5	3773.95	0.0486	Pulse	0.1000	3
Cu	63	115	He	2.206	ppb	4.5	5758.05	0.0741	Pulse	0.1000	3
Zn	66	72	He	6.270	ppb	3.4	1823.52	0.0212	Pulse	0.1000	3
As	75	72	He	0.567	ppb	19.1	178.67	0.0021	Pulse	0.5000	3
Sr	88	72	He	4375.303	ppb	2.1	4967951.07	57.9163	Pulse	0.1000	3
Mo	98	72	He	0.530	ppb	10.4	986.74	0.0115	Pulse	0.1000	3
Ag	107	115	He	0.027	ppb	36.6	130.01	0.0017	Pulse	0.1000	3
Cd	111	115	He	0.133	ppb	20.9	62.67	0.0008	Pulse	0.5000	3
Sn	120	115	He	-0.619	ppb	N/A	3490.57	0.0449	Pulse	0.1000	3
Sb	121	115	He	0.666	ppb	12.1	906.73	0.0117	Pulse	0.1000	3
Ba	137	115	He	1272.790	ppb	0.8	615826.85	7.9275	Pulse	0.1000	3
Tl	205	209	He	0.075	ppb	22.5	486.69	0.0036	Pulse	0.1000	3
Pb	208	209	He	0.028	ppb	22.3	500.02	0.0037	Pulse	0.1000	3
U	238	209	He	0.150	ppb	8.2	1190.10	0.0087	Pulse	0.1000	3

ISTD Table:

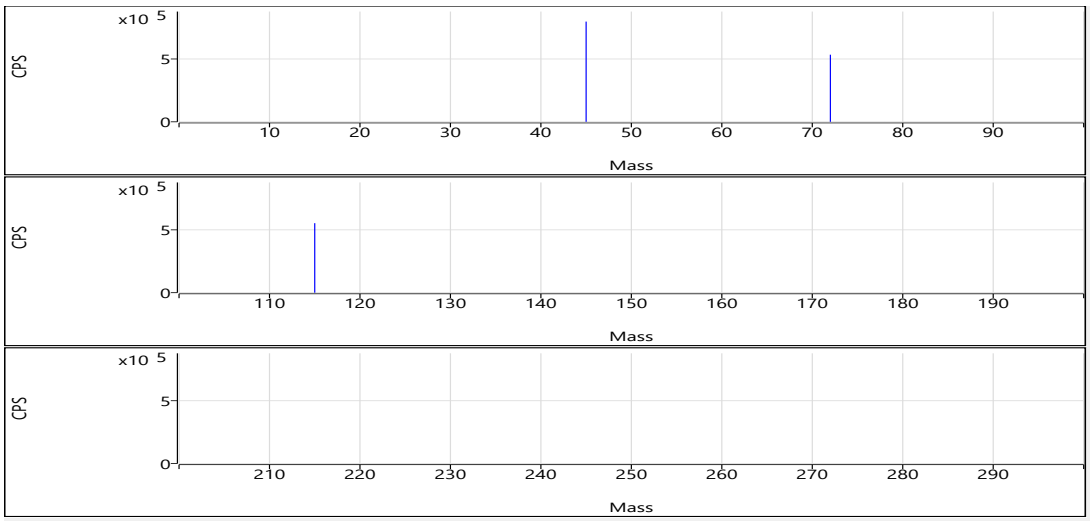
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	696437.75	0.3	101.9	Pulse	0.1000	3
No Gas	Ge	72	353333.09	0.5	97.7	Pulse	0.1000	3
H2	Sc	45	797614.49	0.7	103.1	Pulse	0.1000	3
H2	Ge	72	534150.56	0.6	98.2	Pulse	0.1000	3
H2	In	115	553172.06	0.3	100.3	Pulse	0.1000	3
He	Sc	45	57038.20	1.2	102.2	Pulse	0.1000	3
He	Ge	72	85801.77	2.1	96.1	Pulse	0.1000	3
He	In	115	77681.99	0.5	102.3	Pulse	0.1000	3
He	Tb	159	225178.99	0.7	102.5	Pulse	0.1000	3
He	Bi	209	136633.30	1.0	99.2	Pulse	0.1000	3

No Gas

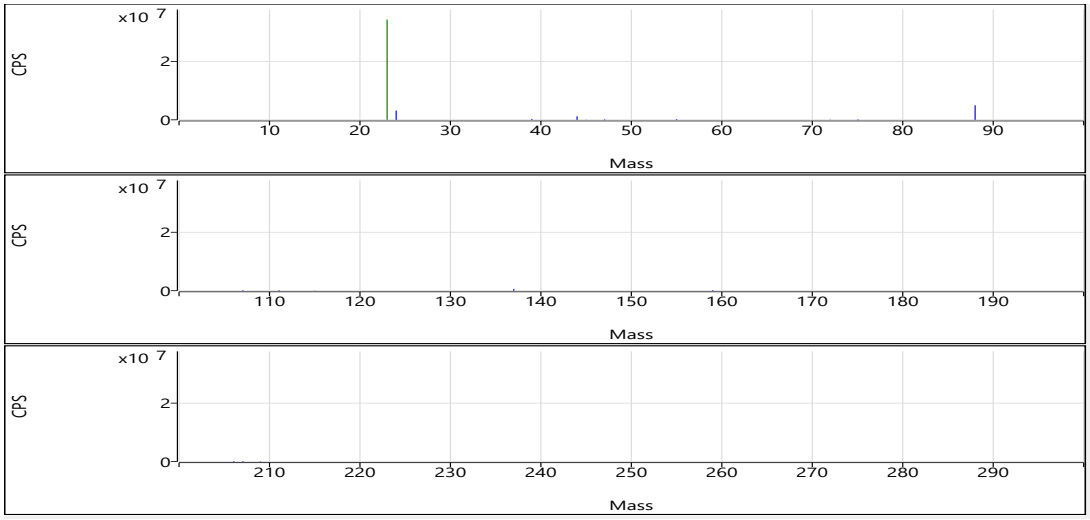


H2



Quantitation Report

He



Quantitation Report

Data File Name	109SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:34:21
Sample Name	410-236127-D-1-A
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

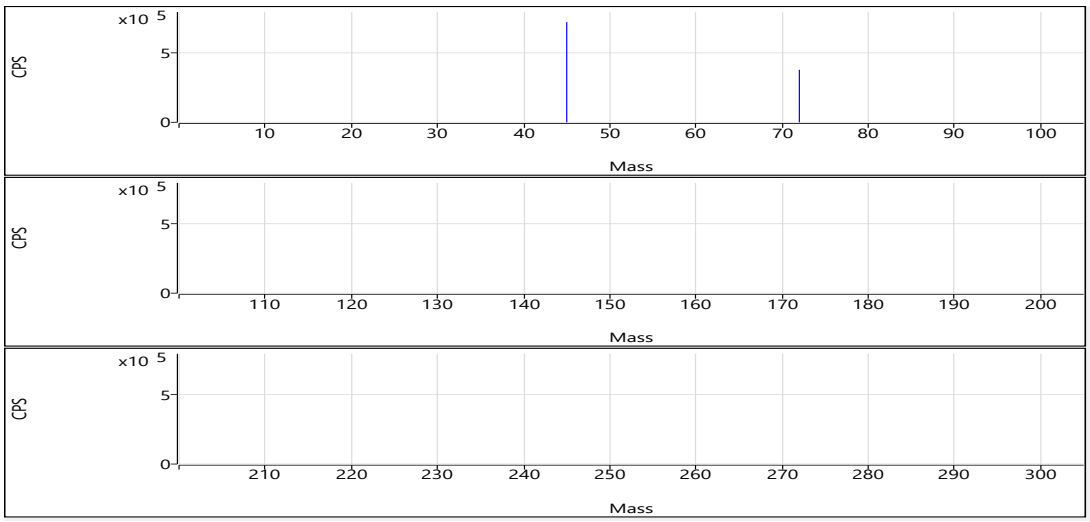
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.004	ppb	679.8	25.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.250	ppb	6.3	64.22	0.0001	Pulse	1.5000	3
Na	23	45	He	4272.381	ppb	1.2	972867.98	16.9998	Pulse	0.1000	3
Mg	24	45	He	4560.290	ppb	0.9	520204.25	9.0894	Pulse	0.1000	3
Al	27	45	He	7.651	ppb	35.3	456.69	0.0080	Pulse	0.1000	3
K	39	45	He	2409.845	ppb	1.0	285895.97	4.9955	Pulse	0.1000	3
Ca	44	45	He	28934.502	ppb	0.8	163734.30	2.8606	Pulse	0.1000	3
Ti	47	45	He	0.759	ppb	106.8	33.33	0.0006	Pulse	0.1000	3
V	51	45	He	0.437	ppb	6.7	1617.44	0.0283	Pulse	0.5000	3
Cr	52	72	He	0.250	ppb	30.5	2466.95	0.0273	Pulse	0.1000	3
Mn	55	45	He	309.514	ppb	0.9	276447.81	4.8299	Pulse	0.1000	3
Fe	57	45	He	22.423	ppb	14.5	1050.07	0.0184	Pulse	0.1000	3
Co	59	72	He	0.316	ppb	9.4	1203.42	0.0134	Pulse	0.1000	3
Ni	60	115	He	0.076	ppb	31.3	1226.77	0.0156	Pulse	0.1000	3
Cu	63	115	He	1.076	ppb	12.2	2977.08	0.0378	Pulse	0.1000	3
Zn	66	72	He	0.970	ppb	35.9	373.35	0.0041	Pulse	0.1000	3
As	75	72	He	0.728	ppb	8.7	224.00	0.0025	Pulse	0.5000	3
Sr	88	72	He	55.686	ppb	3.4	66780.60	0.7404	Pulse	0.1000	3
Mo	98	72	He	3.757	ppb	3.1	7018.66	0.0778	Pulse	0.1000	3
Ag	107	115	He	0.024	ppb	97.0	120.00	0.0015	Pulse	0.1000	3
Cd	111	115	He	0.024	ppb	26.9	13.33	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.587	ppb	N/A	3583.92	0.0455	Pulse	0.1000	3
Sb	121	115	He	0.484	ppb	13.0	673.38	0.0086	Pulse	0.1000	3
Ba	137	115	He	60.775	ppb	1.8	29899.86	0.3797	Pulse	0.1000	3
Tl	205	209	He	0.053	ppb	13.9	380.02	0.0027	Pulse	0.1000	3
Pb	208	209	He	0.021	ppb	32.0	470.02	0.0033	Pulse	0.1000	3
U	238	209	He	0.718	ppb	7.5	5484.69	0.0385	Pulse	0.1000	3

ISTD Table:

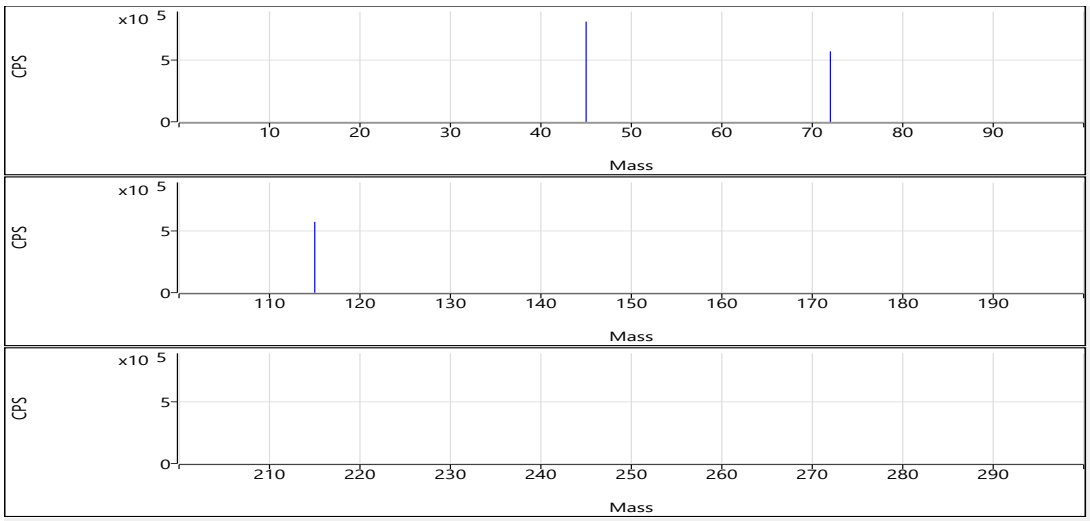
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	716866.42	0.8	104.9	Pulse	0.1000	3
No Gas	Ge	72	375528.86	1.1	103.8	Pulse	0.1000	3
H2	Sc	45	808719.65	0.9	104.5	Pulse	0.1000	3
H2	Ge	72	568383.77	0.7	104.5	Pulse	0.1000	3
H2	In	115	571961.44	1.0	103.7	Pulse	0.1000	3
He	Sc	45	57236.14	1.7	102.5	Pulse	0.1000	3
He	Ge	72	90218.44	1.7	101.0	Pulse	0.1000	3
He	In	115	78734.03	1.7	103.7	Pulse	0.1000	3
He	Tb	159	229298.22	3.0	104.3	Pulse	0.1000	3
He	Bi	209	142870.35	3.7	103.7	Pulse	0.1000	3

No Gas

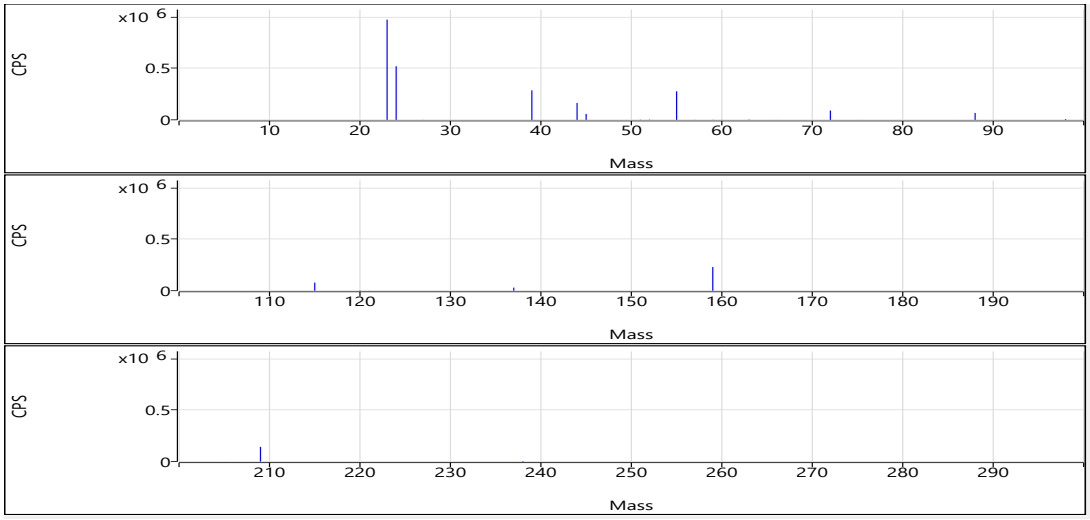


H2



Quantitation Report

He



Quantitation Report

Data File Name	110SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:36:27
Sample Name	410-236127-D-2-A
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

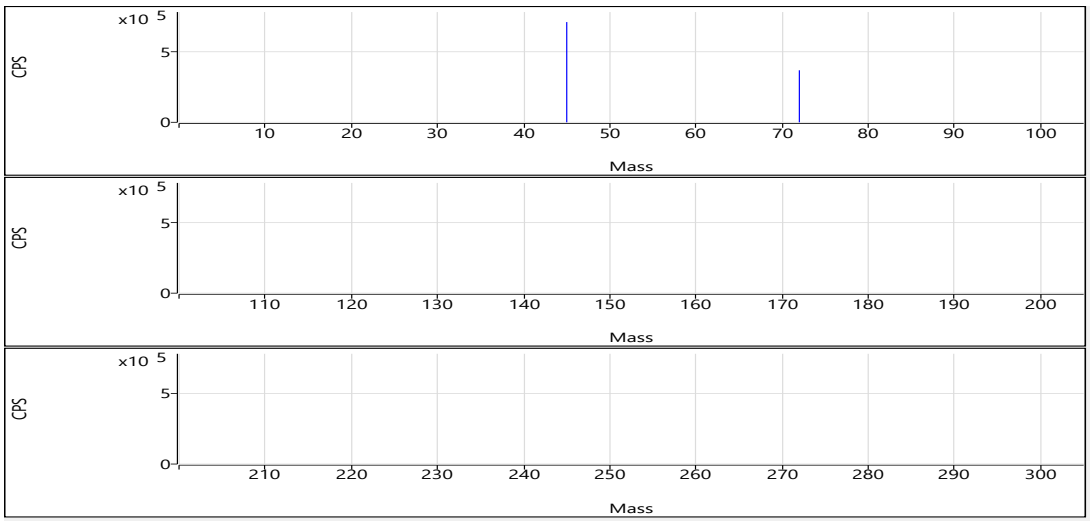
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.030	ppb	N/A	18.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.176	ppb	15.4	46.89	0.0001	Pulse	1.5000	3
Na	23	45	He	4626.195	ppb	1.9	1047538.11	18.3856	Pulse	0.1000	3
Mg	24	45	He	5576.946	ppb	2.7	633138.49	11.1134	Pulse	0.1000	3
Al	27	45	He	7.526	ppb	8.9	450.02	0.0079	Pulse	0.1000	3
K	39	45	He	1378.402	ppb	3.6	175236.08	3.0763	Pulse	0.1000	3
Ca	44	45	He	42266.867	ppb	3.6	237906.13	4.1767	Pulse	0.1000	3
Ti	47	45	He	1.432	ppb	44.1	60.00	0.0010	Pulse	0.1000	3
V	51	45	He	0.299	ppb	10.2	1403.41	0.0246	Pulse	0.5000	3
Cr	52	72	He	0.349	ppb	11.8	2633.66	0.0293	Pulse	0.1000	3
Mn	55	45	He	60.836	ppb	2.4	54288.80	0.9530	Pulse	0.1000	3
Fe	57	45	He	16.471	ppb	13.1	833.38	0.0146	Pulse	0.1000	3
Co	59	72	He	0.281	ppb	4.9	1086.75	0.0121	Pulse	0.1000	3
Ni	60	115	He	-0.071	ppb	N/A	1086.75	0.0139	Pulse	0.1000	3
Cu	63	115	He	0.629	ppb	2.1	1836.85	0.0235	Pulse	0.1000	3
Zn	66	72	He	0.941	ppb	21.1	363.35	0.0040	Pulse	0.1000	3
As	75	72	He	0.768	ppb	20.7	232.00	0.0026	Pulse	0.5000	3
Sr	88	72	He	52.568	ppb	1.4	62839.29	0.6991	Pulse	0.1000	3
Mo	98	72	He	3.008	ppb	4.1	5607.98	0.0624	Pulse	0.1000	3
Ag	107	115	He	0.021	ppb	35.6	110.00	0.0014	Pulse	0.1000	3
Cd	111	115	He	0.025	ppb	36.6	13.33	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.680	ppb	N/A	3427.23	0.0438	Pulse	0.1000	3
Sb	121	115	He	0.401	ppb	12.5	560.03	0.0071	Pulse	0.1000	3
Ba	137	115	He	80.870	ppb	1.9	39543.96	0.5048	Pulse	0.1000	3
Tl	205	209	He	0.054	ppb	15.5	376.69	0.0027	Pulse	0.1000	3
Pb	208	209	He	0.034	ppb	10.4	560.03	0.0040	Pulse	0.1000	3
U	238	209	He	1.387	ppb	2.2	10334.50	0.0735	Pulse	0.1000	3

ISTD Table:

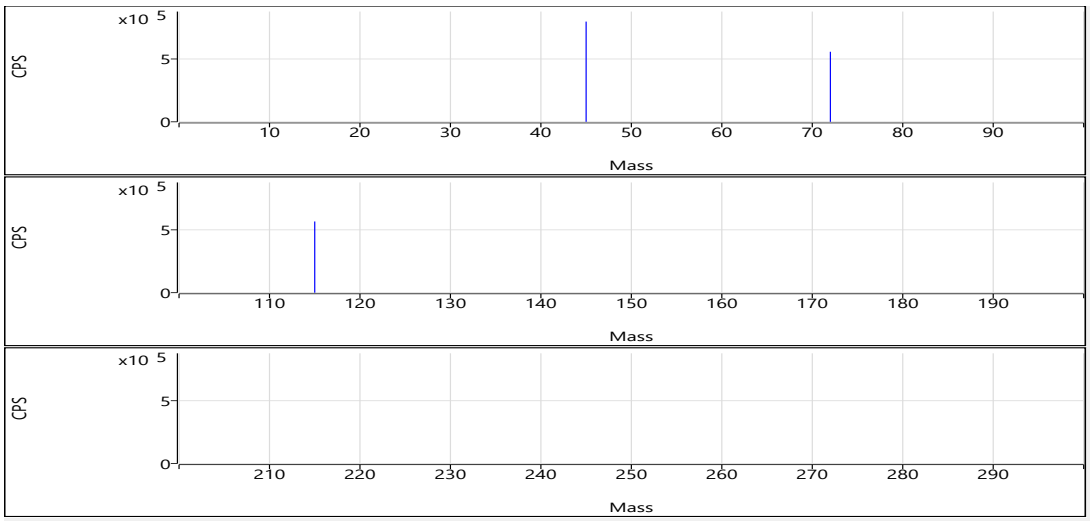
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	715354.37	0.7	104.6	Pulse	0.1000	3
No Gas	Ge	72	371240.01	0.5	102.6	Pulse	0.1000	3
H2	Sc	45	802445.69	0.8	103.7	Pulse	0.1000	3
H2	Ge	72	560907.11	1.2	103.1	Pulse	0.1000	3
H2	In	115	570210.04	1.3	103.4	Pulse	0.1000	3
He	Sc	45	56991.64	2.7	102.1	Pulse	0.1000	3
He	Ge	72	89879.66	0.6	100.6	Pulse	0.1000	3
He	In	115	78326.06	0.9	103.1	Pulse	0.1000	3
He	Tb	159	227671.35	0.1	103.6	Pulse	0.1000	3
He	Bi	209	140627.91	0.5	102.1	Pulse	0.1000	3

No Gas

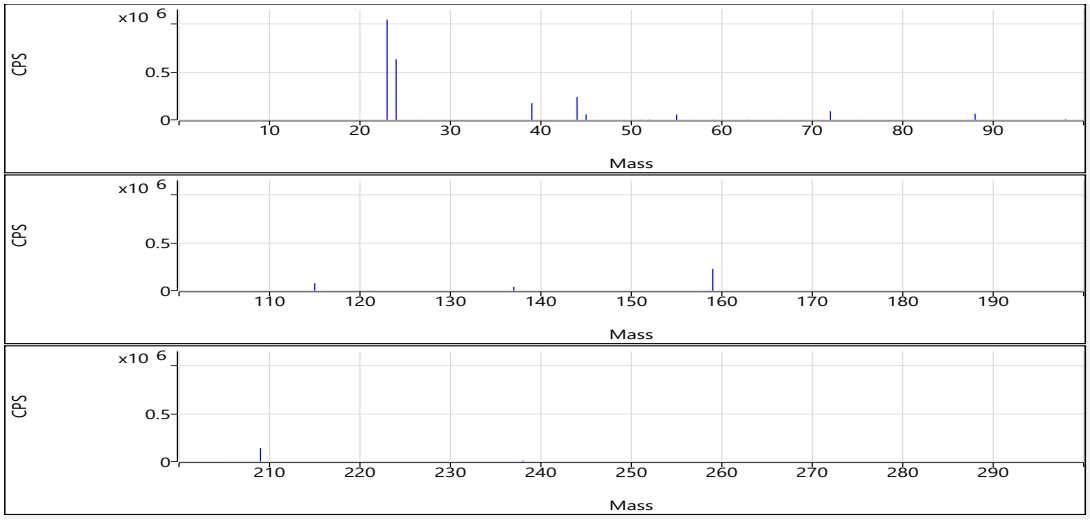


H2



Quantitation Report

He



Quantitation Report

Data File Name	111SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:38:34
Sample Name	410-234871-B-1-A
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

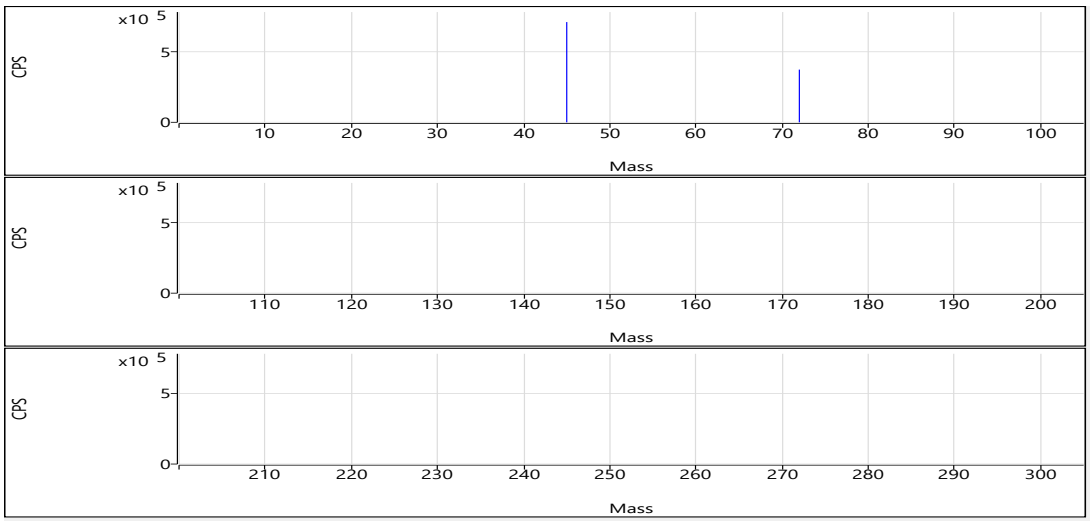
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.002	ppb	953.1	24.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.505	ppb	6.2	121.56	0.0002	Pulse	1.5000	3
Na	23	45	He	893.876	ppb	2.1	211955.99	3.7678	Pulse	0.1000	3
Mg	24	45	He	2348.678	ppb	1.3	263652.50	4.6866	Pulse	0.1000	3
Al	27	45	He	2.422	ppb	89.7	243.34	0.0043	Pulse	0.1000	3
K	39	45	He	632.093	ppb	5.1	94941.63	1.6876	Pulse	0.1000	3
Ca	44	45	He	4892.643	ppb	2.1	27426.41	0.4874	Pulse	0.1000	3
Ti	47	45	He	1.379	ppb	23.2	56.67	0.0010	Pulse	0.1000	3
V	51	45	He	0.113	ppb	28.5	1112.05	0.0198	Pulse	0.5000	3
Cr	52	72	He	0.096	ppb	143.2	2183.59	0.0243	Pulse	0.1000	3
Mn	55	45	He	29.254	ppb	1.3	25913.74	0.4606	Pulse	0.1000	3
Fe	57	45	He	22.109	ppb	27.3	1020.07	0.0182	Pulse	0.1000	3
Co	59	72	He	0.206	ppb	16.3	846.72	0.0094	Pulse	0.1000	3
Ni	60	115	He	1.033	ppb	19.6	2076.89	0.0267	Pulse	0.1000	3
Cu	63	115	He	1.414	ppb	2.1	3787.28	0.0487	Pulse	0.1000	3
Zn	66	72	He	719.756	ppb	0.4	209375.06	2.3249	Pulse	0.1000	3
As	75	72	He	0.488	ppb	18.9	169.33	0.0019	Pulse	0.5000	3
Sr	88	72	He	26.280	ppb	1.5	31622.54	0.3512	Pulse	0.1000	3
Mo	98	72	He	0.551	ppb	8.5	1073.41	0.0119	Pulse	0.1000	3
Ag	107	115	He	0.007	ppb	118.2	60.00	0.0008	Pulse	0.1000	3
Cd	111	115	He	6.308	ppb	2.3	2868.97	0.0369	Pulse	0.5000	3
Sn	120	115	He	-0.526	ppb	N/A	3630.62	0.0467	Pulse	0.1000	3
Sb	121	115	He	0.485	ppb	12.1	666.71	0.0086	Pulse	0.1000	3
Ba	137	115	He	62.938	ppb	0.3	30587.91	0.3932	Pulse	0.1000	3
Tl	205	209	He	0.049	ppb	21.9	356.69	0.0025	Pulse	0.1000	3
Pb	208	209	He	0.044	ppb	6.7	643.37	0.0045	Pulse	0.1000	3
U	238	209	He	0.044	ppb	21.5	446.69	0.0031	Pulse	0.1000	3

ISTD Table:

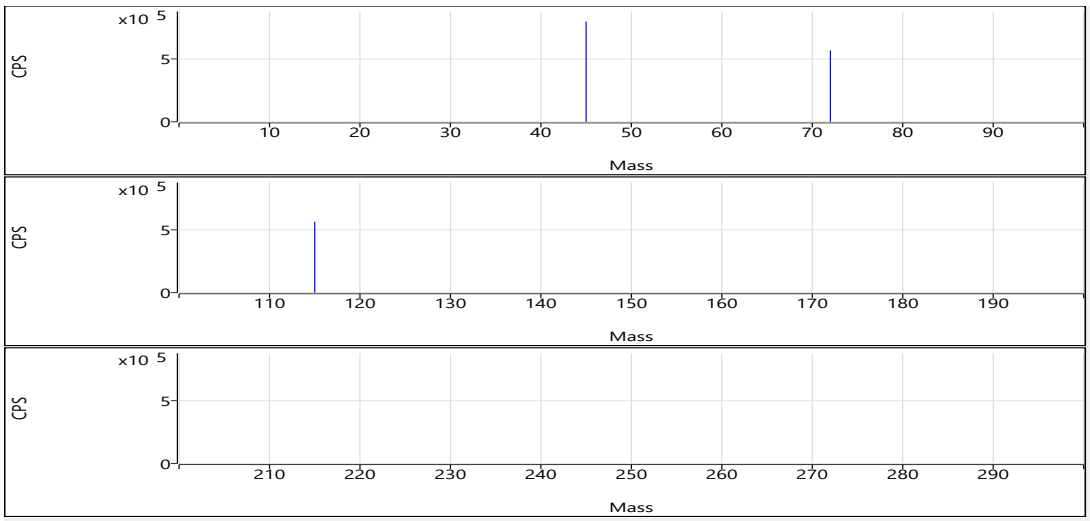
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	709387.47	1.0	103.8	Pulse	0.1000	3
No Gas	Ge	72	372927.18	1.3	103.1	Pulse	0.1000	3
H2	Sc	45	796357.64	0.7	103.0	Pulse	0.1000	3
H2	Ge	72	567811.92	0.8	104.4	Pulse	0.1000	3
H2	In	115	564112.84	0.7	102.3	Pulse	0.1000	3
He	Sc	45	56266.00	1.8	100.8	Pulse	0.1000	3
He	Ge	72	90058.08	0.8	100.8	Pulse	0.1000	3
He	In	115	77795.04	1.2	102.4	Pulse	0.1000	3
He	Tb	159	227405.56	0.7	103.5	Pulse	0.1000	3
He	Bi	209	142477.14	0.7	103.4	Pulse	0.1000	3

No Gas

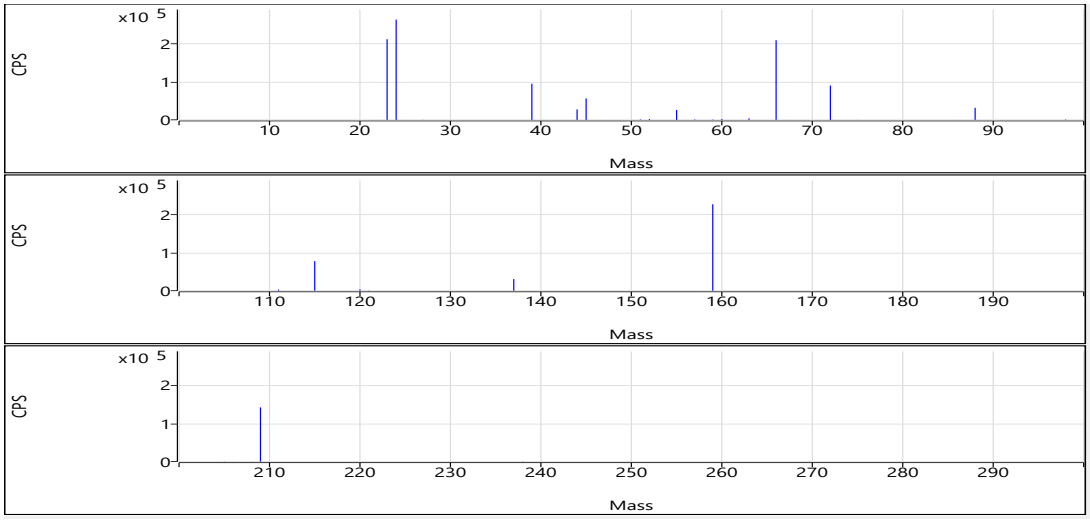


H2



Quantitation Report

He



Quantitation Report

Data File Name	113_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:42:46
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

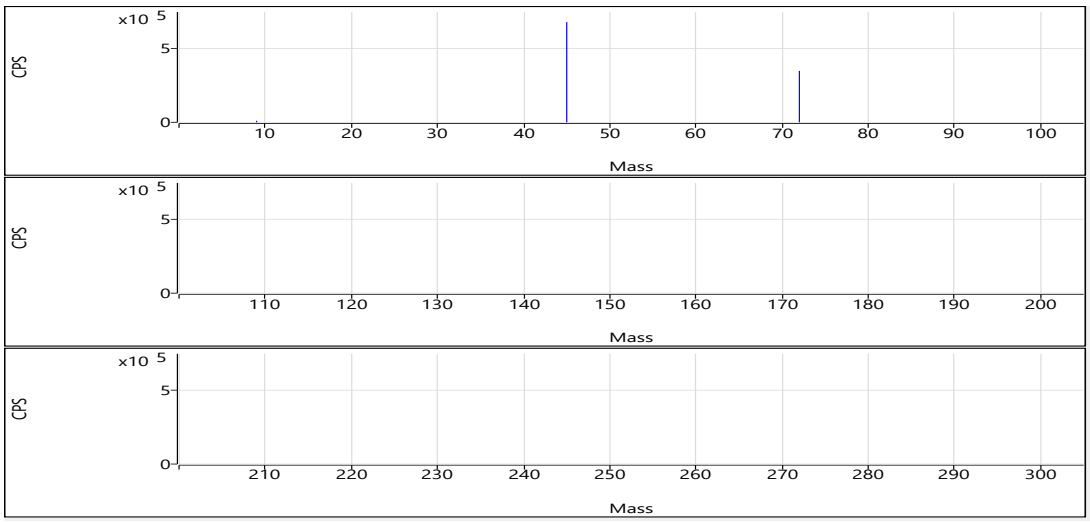
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.888	ppb	1.7	9931.33	0.0147	Pulse	0.5000	3
Se	78	72	H2	52.392	ppb	1.7	11162.99	0.0208	Pulse	1.5000	3
Na	23	45	He	5012.185	ppb	2.0	1136664.62	19.8973	Pulse	0.1000	3
Mg	24	45	He	5003.504	ppb	1.7	569658.93	9.9718	Pulse	0.1000	3
Al	27	45	He	5020.607	ppb	0.9	201123.53	3.5206	Pulse	0.1000	3
K	39	45	He	5051.607	ppb	2.0	566185.77	9.9110	Pulse	0.1000	3
Ca	44	45	He	5063.188	ppb	2.8	28805.67	0.5043	Pulse	0.1000	3
Ti	47	45	He	5032.425	ppb	0.9	197953.96	3.4651	Pulse	0.1000	3
V	51	45	He	504.897	ppb	1.7	757040.21	13.2522	Pulse	0.5000	3
Cr	52	72	He	518.713	ppb	1.4	923433.84	10.3872	Pulse	0.1000	3
Mn	55	45	He	504.863	ppb	1.7	449895.68	7.8754	Pulse	0.1000	3
Fe	57	45	He	5048.182	ppb	1.5	181102.95	3.1702	Pulse	0.1000	3
Co	59	72	He	522.489	ppb	1.1	1660414.04	18.6757	Pulse	0.1000	3
Ni	60	115	He	505.452	ppb	1.7	456214.68	5.8934	Pulse	0.1000	3
Cu	63	115	He	504.467	ppb	1.4	1254679.04	16.2082	Pulse	0.1000	3
Zn	66	72	He	514.702	ppb	1.8	147825.73	1.6629	Pulse	0.1000	3
As	75	72	He	520.188	ppb	1.1	116033.46	1.3052	Pulse	0.5000	3
Sr	88	72	He	52.232	ppb	1.3	61765.14	0.6947	Pulse	0.1000	3
Mo	98	72	He	52.062	ppb	0.6	95122.89	1.0700	Pulse	0.1000	3
Ag	107	115	He	50.324	ppb	0.8	180591.53	2.3329	Pulse	0.1000	3
Cd	111	115	He	50.554	ppb	1.2	22859.91	0.2953	Pulse	0.5000	3
Sn	120	115	He	50.976	ppb	2.7	79949.52	1.0328	Pulse	0.1000	3
Sb	121	115	He	52.020	ppb	2.4	68669.77	0.8871	Pulse	0.1000	3
Ba	137	115	He	508.117	ppb	1.1	245041.46	3.1655	Pulse	0.1000	3
Tl	205	209	He	50.474	ppb	1.2	289498.03	2.0479	Pulse	0.1000	3
Pb	208	209	He	50.758	ppb	1.3	387774.87	2.7431	Pulse	0.1000	3
U	238	209	He	50.259	ppb	2.0	372190.92	2.6331	Pulse	0.1000	3

ISTD Table:

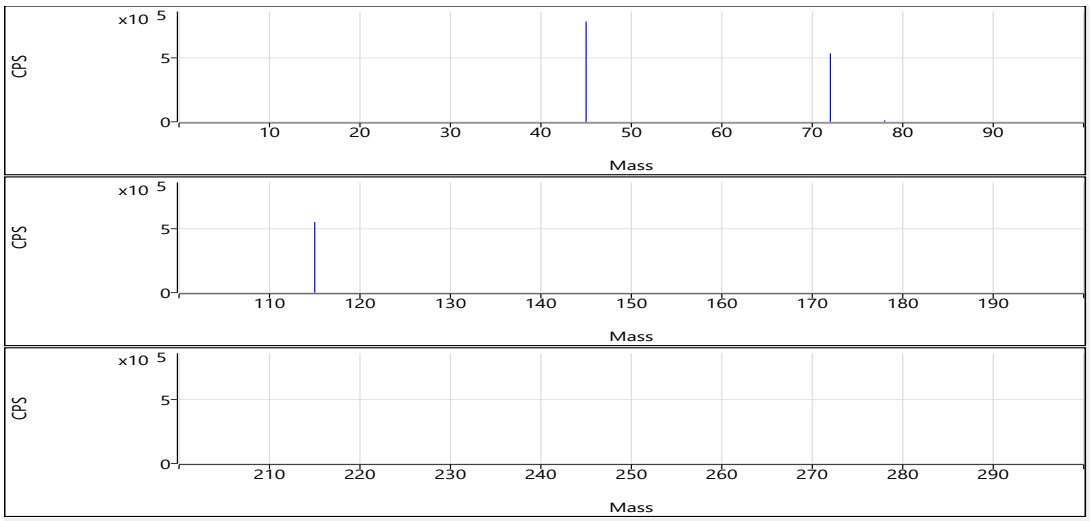
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	676588.19	0.9	99.0	Pulse	0.1000	3
No Gas	Ge	72	347248.00	0.7	96.0	Pulse	0.1000	3
H2	Sc	45	788126.00	0.7	101.9	Pulse	0.1000	3
H2	Ge	72	537507.69	1.1	98.8	Pulse	0.1000	3
H2	In	115	555120.52	0.3	100.6	Pulse	0.1000	3
He	Sc	45	57128.81	0.6	102.4	Pulse	0.1000	3
He	Ge	72	88907.31	1.3	99.5	Pulse	0.1000	3
He	In	115	77407.78	0.4	101.9	Pulse	0.1000	3
He	Tb	159	227147.07	1.7	103.3	Pulse	0.1000	3
He	Bi	209	141382.40	2.3	102.6	Pulse	0.1000	3

No Gas

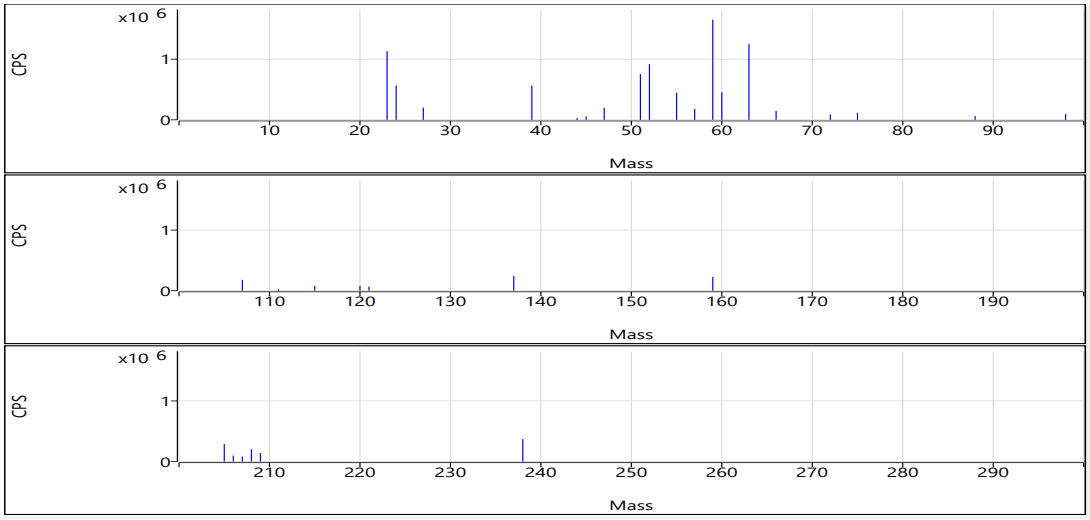


H2



Quantitation Report

He



Quantitation Report

Data File Name	115_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:46:59
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

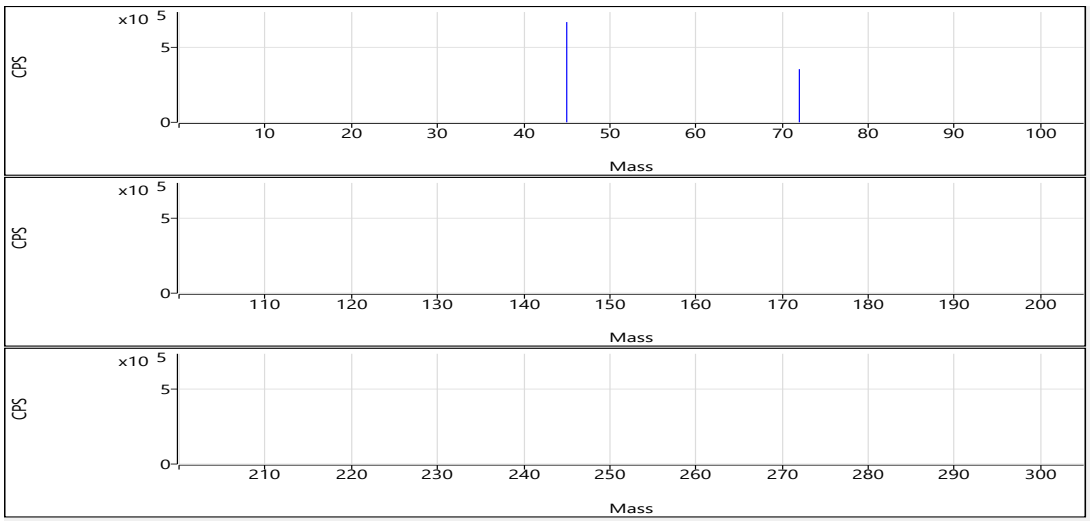
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.028	ppb	N/A	17.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.140	ppb	11.0	36.89	0.0001	Pulse	1.5000	3
Na	23	45	He	35.409	ppb	12.4	22056.88	0.4056	Pulse	0.1000	3
Mg	24	45	He	9.382	ppb	10.5	1603.48	0.0295	Pulse	0.1000	3
Al	27	45	He	2.887	ppb	48.1	253.34	0.0047	Pulse	0.1000	3
K	39	45	He	16.088	ppb	163.5	29443.70	0.5414	Pulse	0.1000	3
Ca	44	45	He	44.538	ppb	60.4	483.36	0.0089	Pulse	0.1000	3
Ti	47	45	He	2.055	ppb	27.3	80.00	0.0015	Pulse	0.1000	3
V	51	45	He	0.244	ppb	25.1	1261.40	0.0232	Pulse	0.5000	3
Cr	52	72	He	0.230	ppb	25.4	2320.27	0.0269	Pulse	0.1000	3
Mn	55	45	He	0.932	ppb	5.4	1036.74	0.0191	Pulse	0.1000	3
Fe	57	45	He	8.728	ppb	60.5	530.03	0.0098	Pulse	0.1000	3
Co	59	72	He	0.194	ppb	10.9	773.38	0.0090	Pulse	0.1000	3
Ni	60	115	He	0.206	ppb	38.2	1276.77	0.0171	Pulse	0.1000	3
Cu	63	115	He	0.191	ppb	17.0	700.05	0.0094	Pulse	0.1000	3
Zn	66	72	He	0.348	ppb	35.4	183.34	0.0021	Pulse	0.1000	3
As	75	72	He	0.380	ppb	22.5	138.67	0.0016	Pulse	0.5000	3
Sr	88	72	He	0.591	ppb	12.6	960.07	0.0111	Pulse	0.1000	3
Mo	98	72	He	0.122	ppb	8.2	266.68	0.0031	Pulse	0.1000	3
Ag	107	115	He	0.009	ppb	52.9	63.33	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.035	ppb	21.5	17.33	0.0002	Pulse	0.5000	3
Sn	120	115	He	0.120	ppb	106.3	4410.87	0.0591	Pulse	0.1000	3
Sb	121	115	He	0.252	ppb	17.2	343.35	0.0046	Pulse	0.1000	3
Ba	137	115	He	0.381	ppb	41.0	270.01	0.0036	Pulse	0.1000	3
Tl	205	209	He	0.068	ppb	28.1	443.36	0.0033	Pulse	0.1000	3
Pb	208	209	He	0.014	ppb	72.3	390.01	0.0029	Pulse	0.1000	3
U	238	209	He	0.031	ppb	7.7	336.69	0.0025	Pulse	0.1000	3

ISTD Table:

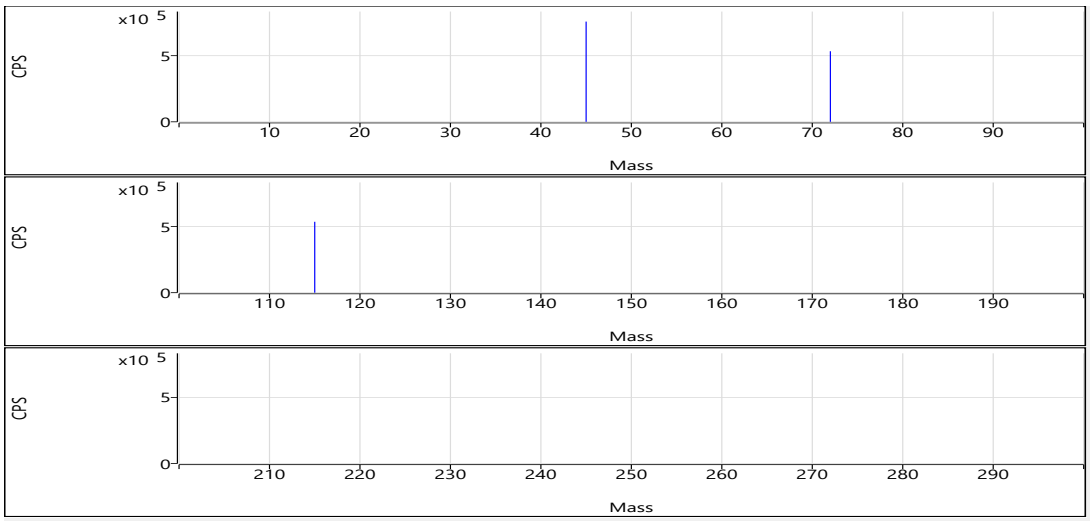
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	672534.00	0.6	98.4	Pulse	0.1000	3
No Gas	Ge	72	356580.74	1.5	98.6	Pulse	0.1000	3
H2	Sc	45	755844.00	0.8	97.7	Pulse	0.1000	3
H2	Ge	72	532249.45	0.1	97.8	Pulse	0.1000	3
H2	In	115	534739.99	1.2	97.0	Pulse	0.1000	3
He	Sc	45	54398.32	1.5	97.5	Pulse	0.1000	3
He	Ge	72	86178.16	1.1	96.5	Pulse	0.1000	3
He	In	115	74706.24	1.8	98.4	Pulse	0.1000	3
He	Tb	159	216623.17	0.7	98.6	Pulse	0.1000	3
He	Bi	209	136324.09	0.7	99.0	Pulse	0.1000	3

No Gas

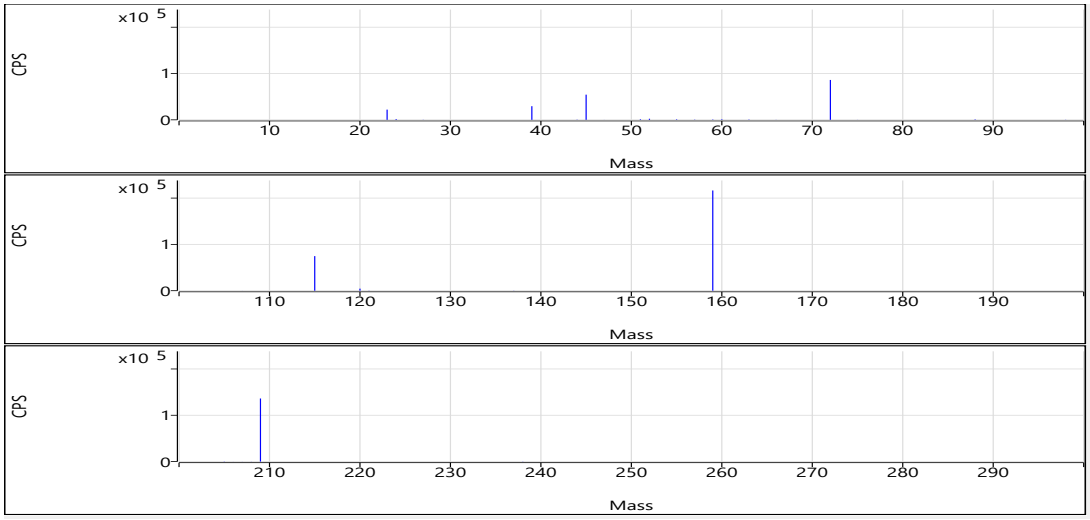


H2



Quantitation Report

He



Quantitation Report

Data File Name	116SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:49:06
Sample Name	410-234871-B-1-B DU
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

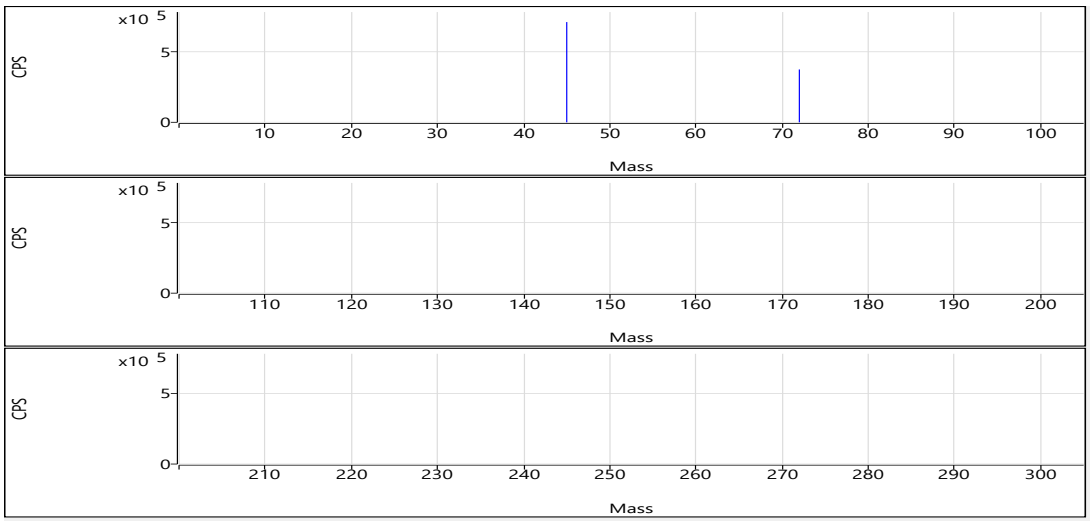
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.011	ppb	N/A	22.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.459	ppb	16.8	113.56	0.0002	Pulse	1.5000	3
Na	23	45	He	861.972	ppb	1.4	208256.86	3.6429	Pulse	0.1000	3
Mg	24	45	He	2345.314	ppb	0.9	267527.61	4.6799	Pulse	0.1000	3
Al	27	45	He	3.821	ppb	1.3	303.35	0.0053	Pulse	0.1000	3
K	39	45	He	623.486	ppb	4.5	95569.25	1.6716	Pulse	0.1000	3
Ca	44	45	He	4999.077	ppb	2.6	28461.76	0.4979	Pulse	0.1000	3
Ti	47	45	He	1.779	ppb	33.7	73.33	0.0013	Pulse	0.1000	3
V	51	45	He	0.124	ppb	55.8	1146.72	0.0200	Pulse	0.5000	3
Cr	52	72	He	0.105	ppb	16.2	2243.59	0.0244	Pulse	0.1000	3
Mn	55	45	He	28.798	ppb	1.4	25923.68	0.4535	Pulse	0.1000	3
Fe	57	45	He	15.439	ppb	16.6	800.05	0.0140	Pulse	0.1000	3
Co	59	72	He	0.219	ppb	3.2	906.73	0.0099	Pulse	0.1000	3
Ni	60	115	He	0.911	ppb	28.8	2016.89	0.0253	Pulse	0.1000	3
Cu	63	115	He	1.350	ppb	3.5	3717.26	0.0466	Pulse	0.1000	3
Zn	66	72	He	722.902	ppb	0.6	214458.71	2.3351	Pulse	0.1000	3
As	75	72	He	0.477	ppb	16.7	170.00	0.0019	Pulse	0.5000	3
Sr	88	72	He	25.658	ppb	0.7	31492.42	0.3429	Pulse	0.1000	3
Mo	98	72	He	0.513	ppb	20.8	1020.08	0.0111	Pulse	0.1000	3
Ag	107	115	He	0.014	ppb	47.9	86.67	0.0011	Pulse	0.1000	3
Cd	111	115	He	5.934	ppb	2.1	2764.96	0.0347	Pulse	0.5000	3
Sn	120	115	He	-0.545	ppb	N/A	3693.96	0.0463	Pulse	0.1000	3
Sb	121	115	He	0.225	ppb	3.7	330.02	0.0041	Pulse	0.1000	3
Ba	137	115	He	62.913	ppb	1.0	31329.67	0.3930	Pulse	0.1000	3
Tl	205	209	He	0.049	ppb	19.1	360.02	0.0025	Pulse	0.1000	3
Pb	208	209	He	0.049	ppb	20.3	686.71	0.0048	Pulse	0.1000	3
U	238	209	He	0.022	ppb	32.4	290.01	0.0020	Pulse	0.1000	3

ISTD Table:

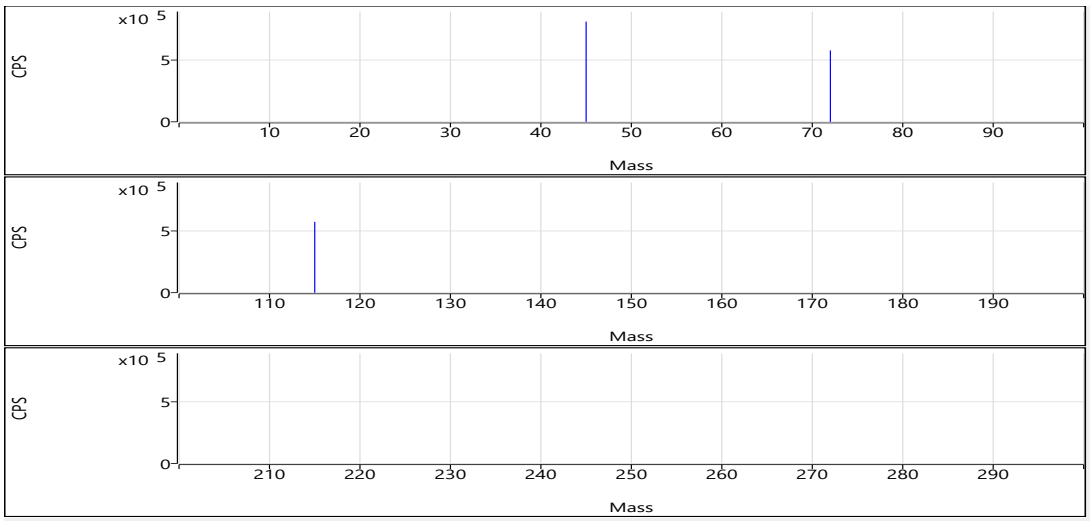
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	712089.16	1.2	104.2	Pulse	0.1000	3
No Gas	Ge	72	375324.40	1.2	103.8	Pulse	0.1000	3
H2	Sc	45	815519.05	1.5	105.4	Pulse	0.1000	3
H2	Ge	72	581162.88	1.2	106.8	Pulse	0.1000	3
H2	In	115	576571.10	1.0	104.5	Pulse	0.1000	3
He	Sc	45	57162.36	1.2	102.4	Pulse	0.1000	3
He	Ge	72	91839.16	1.8	102.8	Pulse	0.1000	3
He	In	115	79711.56	0.9	105.0	Pulse	0.1000	3
He	Tb	159	231415.77	1.3	105.3	Pulse	0.1000	3
He	Bi	209	143869.82	1.8	104.4	Pulse	0.1000	3

No Gas

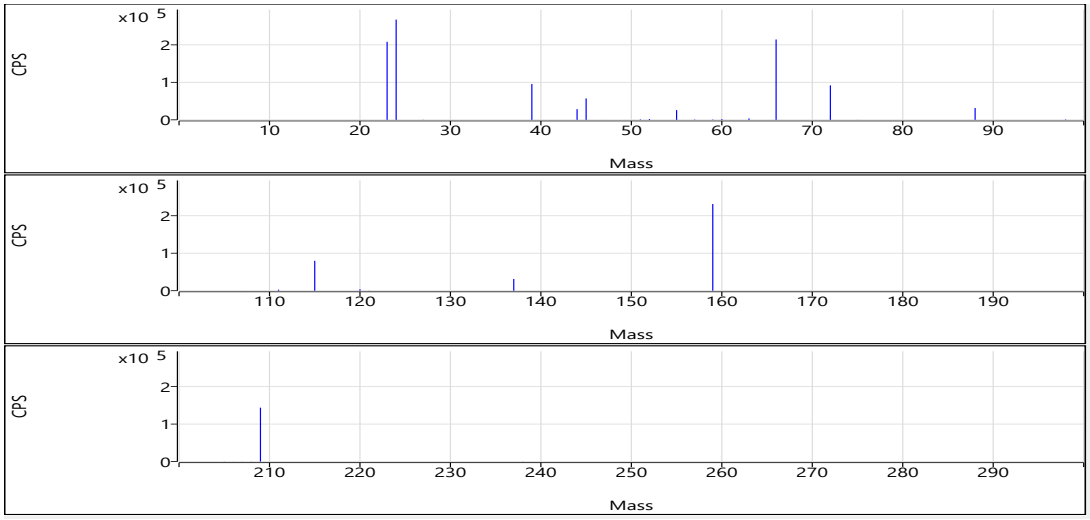


H2



Quantitation Report

He



Quantitation Report

Data File Name	117SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:51:11
Sample Name	410-234871-B-1-C MS
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

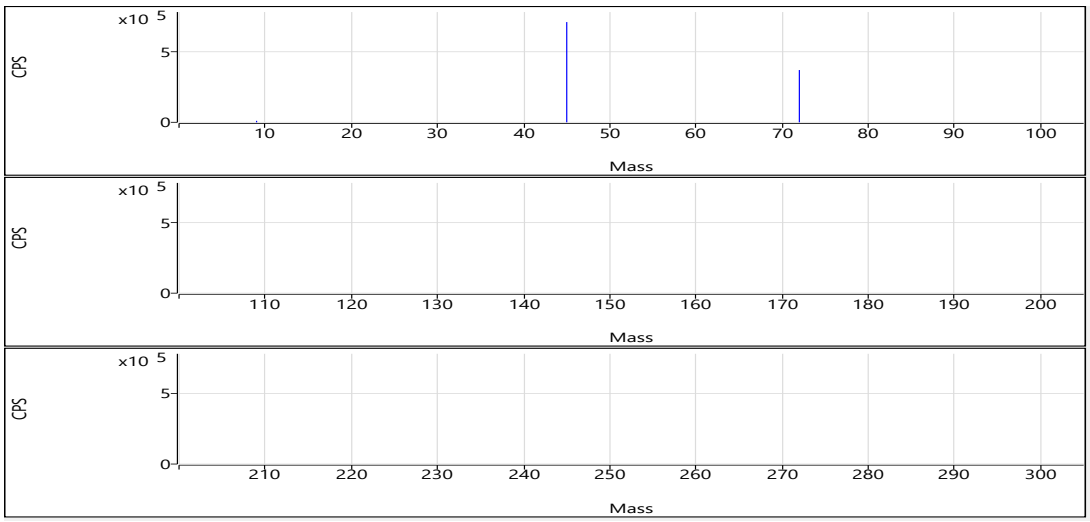
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.616	ppb	1.5	10415.01	0.0146	Pulse	0.5000	3
Se	78	72	H2	94.459	ppb	1.0	21402.27	0.0374	Pulse	1.5000	3
Na	23	45	He	5506.024	ppb	1.4	1296958.65	21.8314	Pulse	0.1000	3
Mg	24	45	He	6920.509	ppb	1.2	819136.26	13.7882	Pulse	0.1000	3
Al	27	45	He	4612.306	ppb	0.8	192176.48	3.2345	Pulse	0.1000	3
K	39	45	He	5362.048	ppb	1.5	623068.75	10.4887	Pulse	0.1000	3
Ca	44	45	He	9531.851	ppb	1.5	56158.33	0.9454	Pulse	0.1000	3
Ti	47	45	He	462.588	ppb	2.6	18922.70	0.3186	Pulse	0.1000	3
V	51	45	He	461.395	ppb	1.6	719472.12	12.1118	Pulse	0.5000	3
Cr	52	72	He	471.378	ppb	1.7	881168.48	9.4414	Pulse	0.1000	3
Mn	55	45	He	492.989	ppb	0.9	456874.24	7.6903	Pulse	0.1000	3
Fe	57	45	He	4583.354	ppb	1.2	171013.12	2.8787	Pulse	0.1000	3
Co	59	72	He	471.209	ppb	1.9	1571947.32	16.8430	Pulse	0.1000	3
Ni	60	115	He	463.993	ppb	0.1	434105.75	5.4112	Pulse	0.1000	3
Cu	63	115	He	467.667	ppb	0.5	1205371.00	15.0261	Pulse	0.1000	3
Zn	66	72	He	1197.383	ppb	1.0	360908.35	3.8671	Pulse	0.1000	3
As	75	72	He	482.784	ppb	1.1	113055.25	1.2114	Pulse	0.5000	3
Sr	88	72	He	72.400	ppb	0.5	89752.21	0.9616	Pulse	0.1000	3
Mo	98	72	He	44.688	ppb	2.7	85730.66	0.9185	Pulse	0.1000	3
Ag	107	115	He	47.275	ppb	0.9	175832.27	2.1916	Pulse	0.1000	3
Cd	111	115	He	52.763	ppb	0.3	24726.38	0.3082	Pulse	0.5000	3
Sn	120	115	He	89.177	ppb	0.4	141531.42	1.7642	Pulse	0.1000	3
Sb	121	115	He	84.073	ppb	0.7	115002.56	1.4335	Pulse	0.1000	3
Ba	137	115	He	536.731	ppb	1.3	268259.77	3.3437	Pulse	0.1000	3
Tl	205	209	He	95.234	ppb	2.1	562888.22	3.8635	Pulse	0.1000	3
Pb	208	209	He	46.887	ppb	1.1	369179.19	2.5340	Pulse	0.1000	3
U	238	209	He	45.776	ppb	1.3	349408.49	2.3983	Pulse	0.1000	3

ISTD Table:

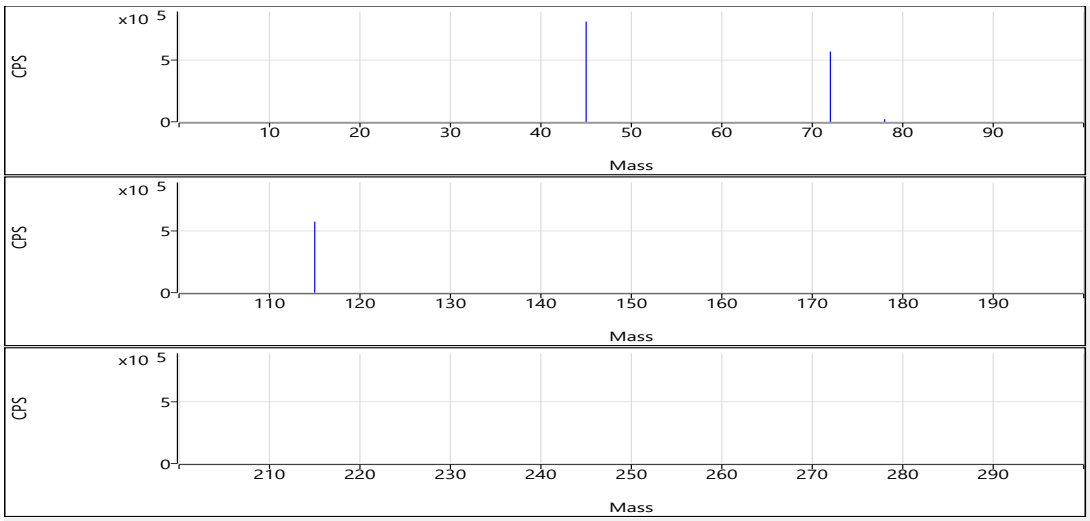
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	713540.06	0.9	104.4	Pulse	0.1000	3
No Gas	Ge	72	372048.03	0.9	102.9	Pulse	0.1000	3
H2	Sc	45	815325.67	1.2	105.4	Pulse	0.1000	3
H2	Ge	72	571699.21	0.6	105.1	Pulse	0.1000	3
H2	In	115	577249.33	0.7	104.7	Pulse	0.1000	3
He	Sc	45	59418.20	2.6	106.5	Pulse	0.1000	3
He	Ge	72	93332.55	1.2	104.5	Pulse	0.1000	3
He	In	115	80222.84	1.7	105.6	Pulse	0.1000	3
He	Tb	159	233851.14	1.7	106.4	Pulse	0.1000	3
He	Bi	209	145688.01	0.7	105.8	Pulse	0.1000	3

No Gas

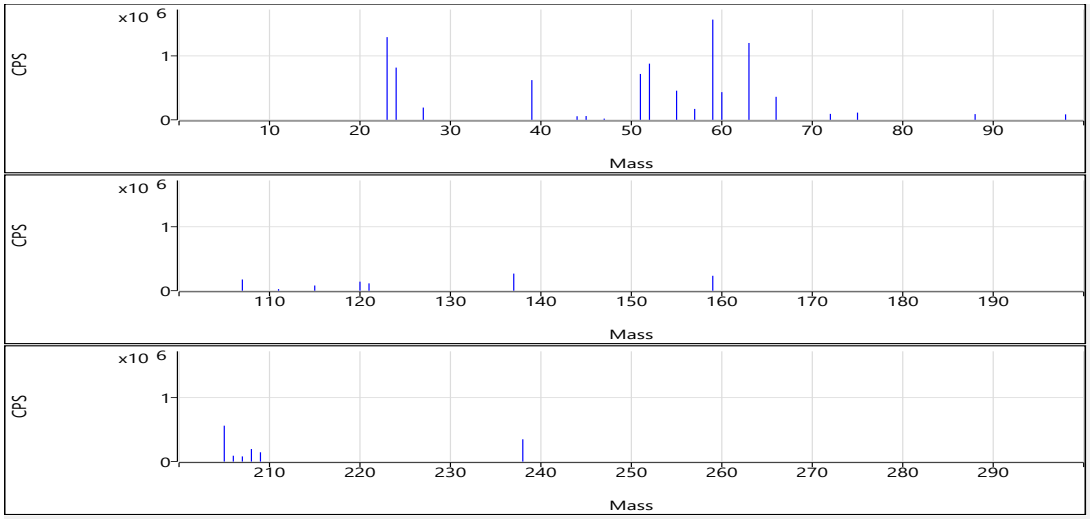


H2



Quantitation Report

He



Quantitation Report

Data File Name	118SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:53:17
Sample Name	410-234871-B-1-D MSD
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

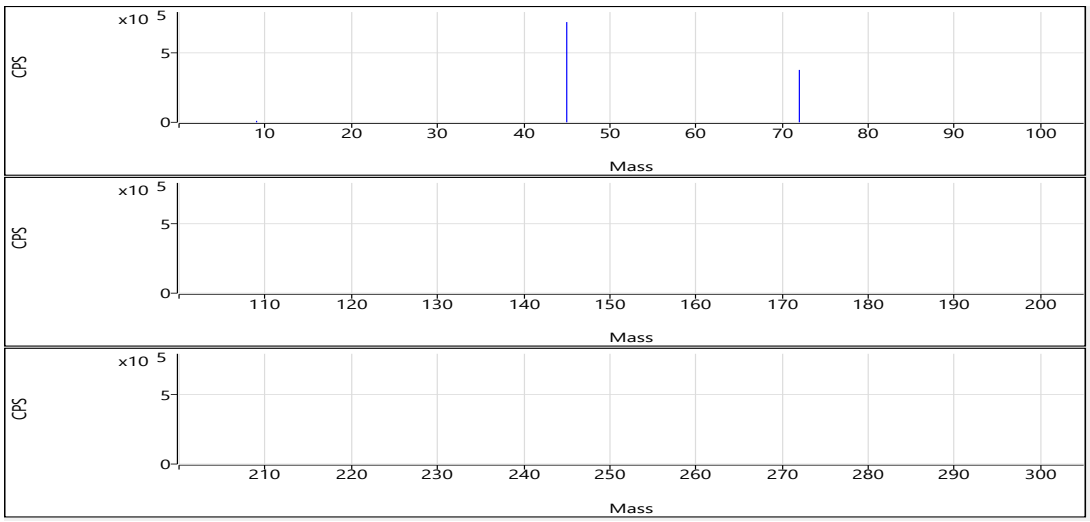
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.183	ppb	3.2	10372.95	0.0145	Pulse	0.5000	3
Se	78	72	H2	92.325	ppb	1.5	20914.44	0.0366	Pulse	1.5000	3
Na	23	45	He	5306.773	ppb	0.9	1260012.64	21.0511	Pulse	0.1000	3
Mg	24	45	He	6708.717	ppb	0.5	800063.32	13.3665	Pulse	0.1000	3
Al	27	45	He	4440.690	ppb	0.9	186406.94	3.1143	Pulse	0.1000	3
K	39	45	He	5167.325	ppb	0.5	606122.78	10.1263	Pulse	0.1000	3
Ca	44	45	He	9337.967	ppb	2.2	55438.75	0.9262	Pulse	0.1000	3
Ti	47	45	He	456.923	ppb	3.3	18836.02	0.3147	Pulse	0.1000	3
V	51	45	He	444.240	ppb	0.2	698051.36	11.6621	Pulse	0.5000	3
Cr	52	72	He	453.510	ppb	1.2	855115.28	9.0843	Pulse	0.1000	3
Mn	55	45	He	473.855	ppb	1.2	442452.61	7.3920	Pulse	0.1000	3
Fe	57	45	He	4473.722	ppb	0.3	168194.18	2.8099	Pulse	0.1000	3
Co	59	72	He	454.164	ppb	1.0	1528112.58	16.2338	Pulse	0.1000	3
Ni	60	115	He	448.061	ppb	1.5	421805.60	5.2259	Pulse	0.1000	3
Cu	63	115	He	450.807	ppb	1.6	1169079.98	14.4845	Pulse	0.1000	3
Zn	66	72	He	1180.917	ppb	1.4	359002.65	3.8139	Pulse	0.1000	3
As	75	72	He	466.473	ppb	1.4	110176.05	1.1705	Pulse	0.5000	3
Sr	88	72	He	71.480	ppb	1.1	89372.92	0.9494	Pulse	0.1000	3
Mo	98	72	He	45.711	ppb	0.9	88439.42	0.9395	Pulse	0.1000	3
Ag	107	115	He	46.274	ppb	1.7	173142.49	2.1452	Pulse	0.1000	3
Cd	111	115	He	51.501	ppb	1.5	24282.26	0.3008	Pulse	0.5000	3
Sn	120	115	He	90.841	ppb	1.4	144967.78	1.7960	Pulse	0.1000	3
Sb	121	115	He	87.408	ppb	2.1	120282.86	1.4903	Pulse	0.1000	3
Ba	137	115	He	525.094	ppb	2.3	264005.80	3.2712	Pulse	0.1000	3
Tl	205	209	He	90.936	ppb	0.6	545441.88	3.6892	Pulse	0.1000	3
Pb	208	209	He	45.155	ppb	1.2	360810.15	2.4405	Pulse	0.1000	3
U	238	209	He	44.202	ppb	0.9	342384.15	2.3158	Pulse	0.1000	3

ISTD Table:

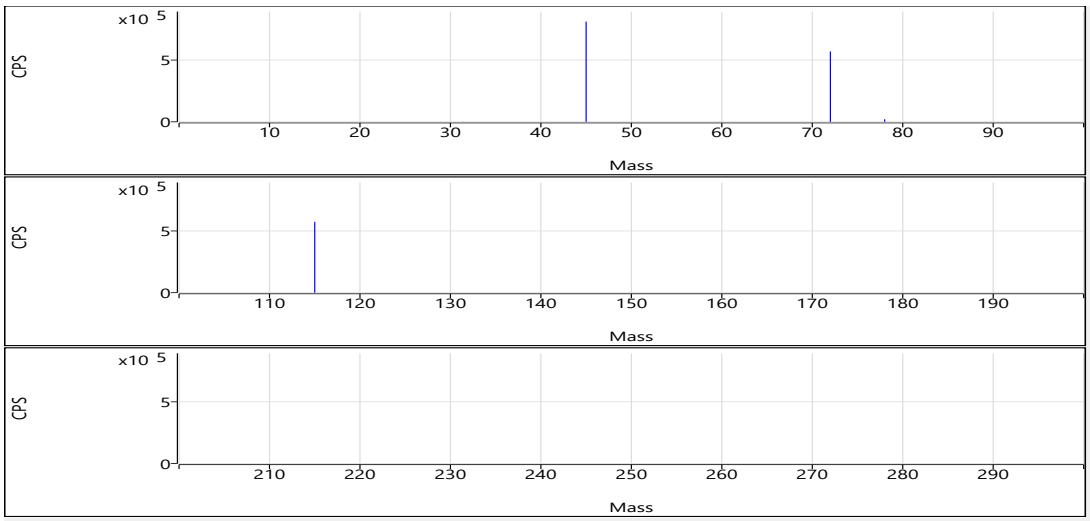
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	717134.52	0.6	104.9	Pulse	0.1000	3
No Gas	Ge	72	374854.84	0.2	103.6	Pulse	0.1000	3
H2	Sc	45	813763.45	0.5	105.2	Pulse	0.1000	3
H2	Ge	72	571641.93	1.4	105.1	Pulse	0.1000	3
H2	In	115	575588.87	1.1	104.4	Pulse	0.1000	3
He	Sc	45	59856.55	0.5	107.2	Pulse	0.1000	3
He	Ge	72	94137.35	0.9	105.4	Pulse	0.1000	3
He	In	115	80732.39	2.3	106.3	Pulse	0.1000	3
He	Tb	159	236807.37	0.7	107.7	Pulse	0.1000	3
He	Bi	209	147852.45	0.9	107.3	Pulse	0.1000	3

No Gas

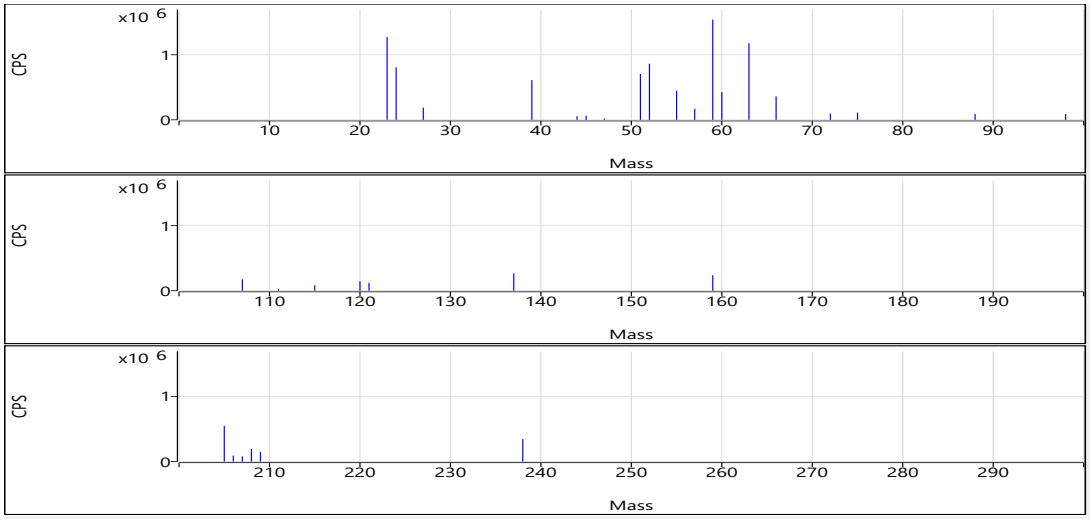


H2



Quantitation Report

He



Quantitation Report

Data File Name	120_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:57:28
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

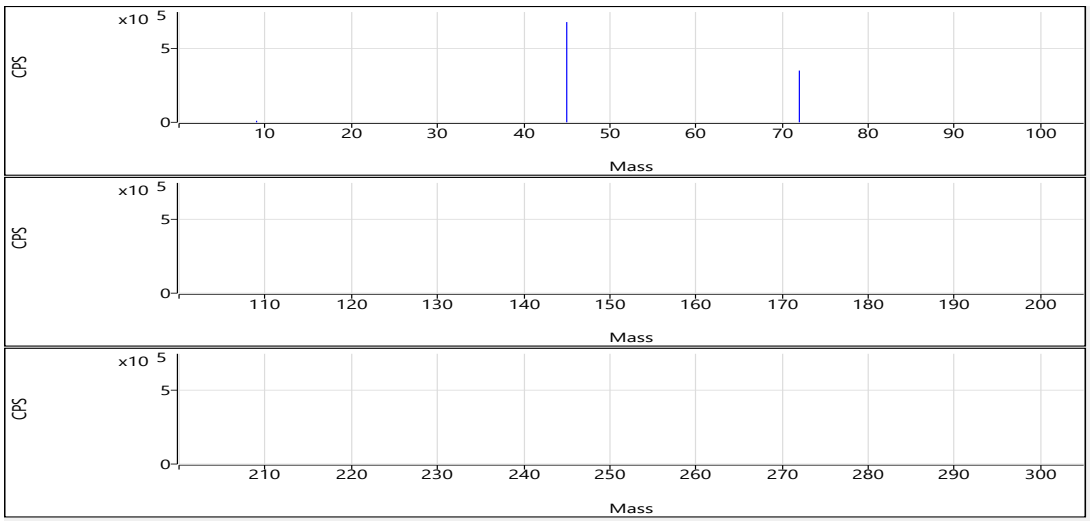
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	50.473	ppb	0.3	10246.21	0.0152	Pulse	0.5000	3
Se	78	72	H2	52.432	ppb	1.3	11064.02	0.0208	Pulse	1.5000	3
Na	23	45	He	5040.558	ppb	0.7	1098972.59	20.0084	Pulse	0.1000	3
Mg	24	45	He	5043.045	ppb	1.0	552021.72	10.0505	Pulse	0.1000	3
Al	27	45	He	5101.160	ppb	2.0	196469.03	3.5770	Pulse	0.1000	3
K	39	45	He	5107.218	ppb	1.1	550040.68	10.0145	Pulse	0.1000	3
Ca	44	45	He	5179.119	ppb	2.9	28324.68	0.5157	Pulse	0.1000	3
Ti	47	45	He	5071.953	ppb	1.2	191813.24	3.4923	Pulse	0.1000	3
V	51	45	He	509.743	ppb	1.3	734850.48	13.3792	Pulse	0.5000	3
Cr	52	72	He	528.967	ppb	2.0	899575.06	10.5921	Pulse	0.1000	3
Mn	55	45	He	509.675	ppb	1.3	436674.51	7.9504	Pulse	0.1000	3
Fe	57	45	He	5119.575	ppb	1.1	176580.75	3.2150	Pulse	0.1000	3
Co	59	72	He	531.201	ppb	1.9	1612575.23	18.9871	Pulse	0.1000	3
Ni	60	115	He	512.843	ppb	1.3	446761.69	5.9794	Pulse	0.1000	3
Cu	63	115	He	508.722	ppb	1.1	1221259.28	16.3449	Pulse	0.1000	3
Zn	66	72	He	524.710	ppb	2.3	143967.30	1.6952	Pulse	0.1000	3
As	75	72	He	531.425	ppb	1.2	113248.98	1.3334	Pulse	0.5000	3
Sr	88	72	He	52.051	ppb	1.3	58798.88	0.6923	Pulse	0.1000	3
Mo	98	72	He	53.675	ppb	1.7	93686.39	1.1031	Pulse	0.1000	3
Ag	107	115	He	51.514	ppb	1.2	178433.03	2.3881	Pulse	0.1000	3
Cd	111	115	He	50.728	ppb	0.7	22141.43	0.2963	Pulse	0.5000	3
Sn	120	115	He	50.900	ppb	1.5	77056.35	1.0313	Pulse	0.1000	3
Sb	121	115	He	51.776	ppb	0.8	65970.09	0.8829	Pulse	0.1000	3
Ba	137	115	He	516.257	ppb	0.8	240310.33	3.2162	Pulse	0.1000	3
Tl	205	209	He	51.332	ppb	1.8	284979.64	2.0827	Pulse	0.1000	3
Pb	208	209	He	51.098	ppb	1.9	377837.86	2.7614	Pulse	0.1000	3
U	238	209	He	50.357	ppb	1.4	360998.21	2.6382	Pulse	0.1000	3

ISTD Table:

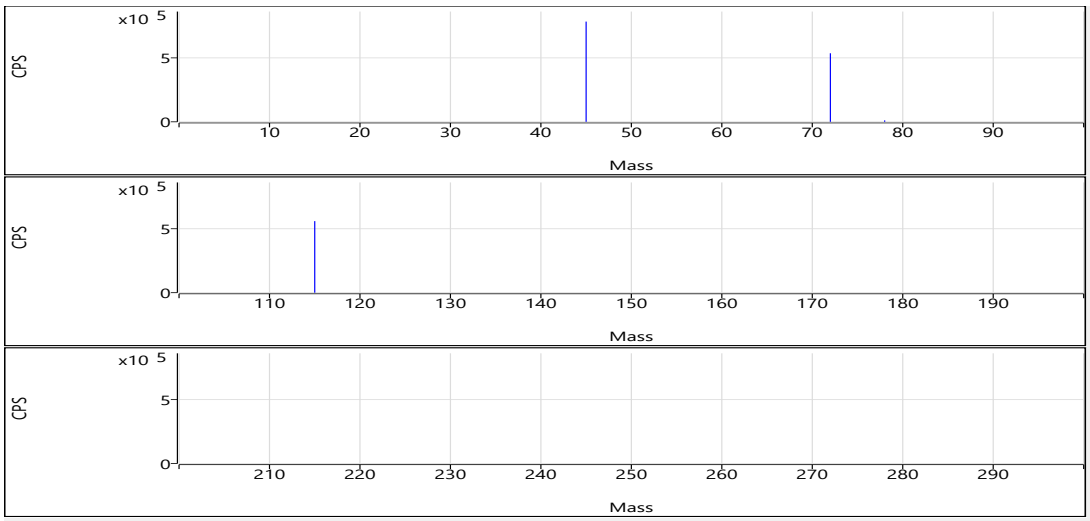
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	676215.33	0.5	98.9	Pulse	0.1000	3
No Gas	Ge	72	349027.17	0.4	96.5	Pulse	0.1000	3
H2	Sc	45	778239.08	0.3	100.6	Pulse	0.1000	3
H2	Ge	72	532281.57	0.3	97.8	Pulse	0.1000	3
H2	In	115	555645.98	0.3	100.7	Pulse	0.1000	3
He	Sc	45	54927.19	0.7	98.4	Pulse	0.1000	3
He	Ge	72	84943.81	1.3	95.1	Pulse	0.1000	3
He	In	115	74721.59	0.7	98.4	Pulse	0.1000	3
He	Tb	159	222297.47	1.0	101.1	Pulse	0.1000	3
He	Bi	209	136856.54	1.6	99.3	Pulse	0.1000	3

No Gas

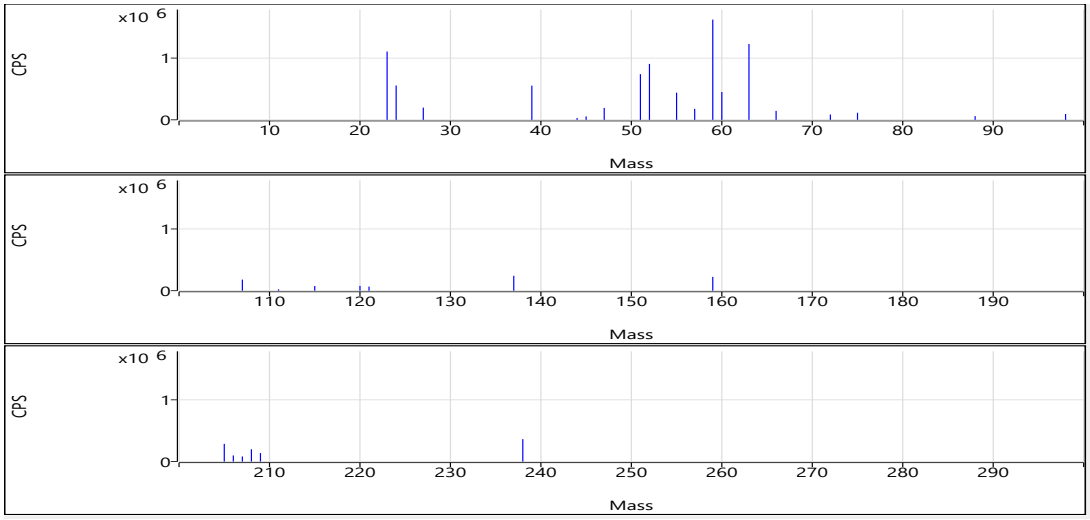


H2



Quantitation Report

He



Quantitation Report

Data File Name	122_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:01:42
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

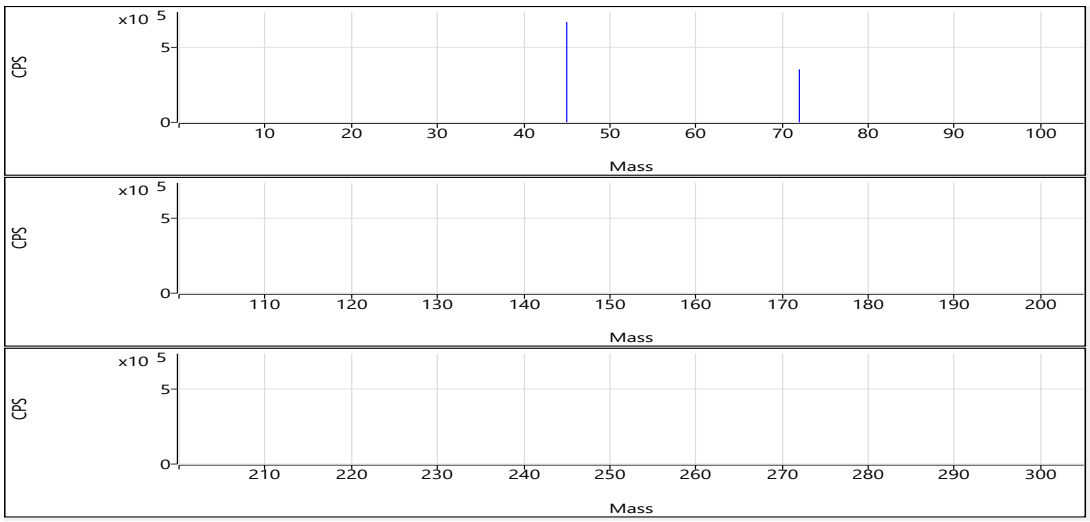
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.006	ppb	602.2	24.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.174	ppb	8.5	45.34	0.0001	Pulse	1.5000	3
Na	23	45	He	18.622	ppb	8.6	18805.74	0.3399	Pulse	0.1000	3
Mg	24	45	He	7.917	ppb	7.8	1470.13	0.0266	Pulse	0.1000	3
Al	27	45	He	3.467	ppb	10.5	280.01	0.0051	Pulse	0.1000	3
K	39	45	He	16.337	ppb	129.9	29994.79	0.5419	Pulse	0.1000	3
Ca	44	45	He	42.612	ppb	32.9	480.03	0.0087	Pulse	0.1000	3
Ti	47	45	He	2.183	ppb	26.6	86.67	0.0016	Pulse	0.1000	3
V	51	45	He	0.411	ppb	16.5	1526.76	0.0276	Pulse	0.5000	3
Cr	52	72	He	0.294	ppb	11.2	2490.30	0.0282	Pulse	0.1000	3
Mn	55	45	He	0.556	ppb	14.8	730.05	0.0132	Pulse	0.1000	3
Fe	57	45	He	6.424	ppb	50.0	460.02	0.0083	Pulse	0.1000	3
Co	59	72	He	0.377	ppb	6.1	1370.12	0.0155	Pulse	0.1000	3
Ni	60	115	He	0.247	ppb	116.4	1356.78	0.0176	Pulse	0.1000	3
Cu	63	115	He	0.381	ppb	14.9	1196.76	0.0155	Pulse	0.1000	3
Zn	66	72	He	1.069	ppb	28.7	393.35	0.0045	Pulse	0.1000	3
As	75	72	He	0.632	ppb	8.9	198.00	0.0022	Pulse	0.5000	3
Sr	88	72	He	0.348	ppb	3.7	700.04	0.0079	Pulse	0.1000	3
Mo	98	72	He	0.168	ppb	10.9	356.69	0.0040	Pulse	0.1000	3
Ag	107	115	He	0.023	ppb	59.2	116.67	0.0015	Pulse	0.1000	3
Cd	111	115	He	0.038	ppb	30.3	19.33	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.012	ppb	N/A	4374.17	0.0565	Pulse	0.1000	3
Sb	121	115	He	0.445	ppb	16.8	610.04	0.0079	Pulse	0.1000	3
Ba	137	115	He	0.371	ppb	28.3	273.35	0.0035	Pulse	0.1000	3
Tl	205	209	He	0.087	ppb	10.8	563.37	0.0041	Pulse	0.1000	3
Pb	208	209	He	0.028	ppb	45.4	503.36	0.0036	Pulse	0.1000	3
U	238	209	He	0.049	ppb	11.0	476.69	0.0034	Pulse	0.1000	3

ISTD Table:

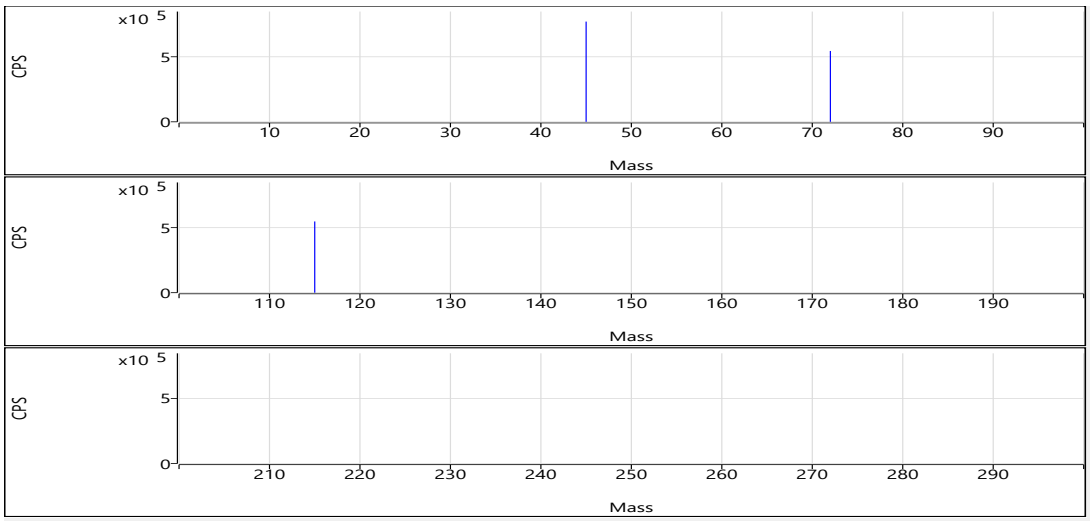
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	667665.48	1.2	97.7	Pulse	0.1000	3
No Gas	Ge	72	352630.75	1.2	97.5	Pulse	0.1000	3
H2	Sc	45	776305.90	0.6	100.4	Pulse	0.1000	3
H2	Ge	72	548717.33	0.3	100.9	Pulse	0.1000	3
H2	In	115	551802.24	0.5	100.0	Pulse	0.1000	3
He	Sc	45	55338.64	1.5	99.1	Pulse	0.1000	3
He	Ge	72	88303.84	1.3	98.9	Pulse	0.1000	3
He	In	115	77441.13	2.5	102.0	Pulse	0.1000	3
He	Tb	159	225062.46	1.8	102.4	Pulse	0.1000	3
He	Bi	209	139055.78	1.0	100.9	Pulse	0.1000	3

No Gas

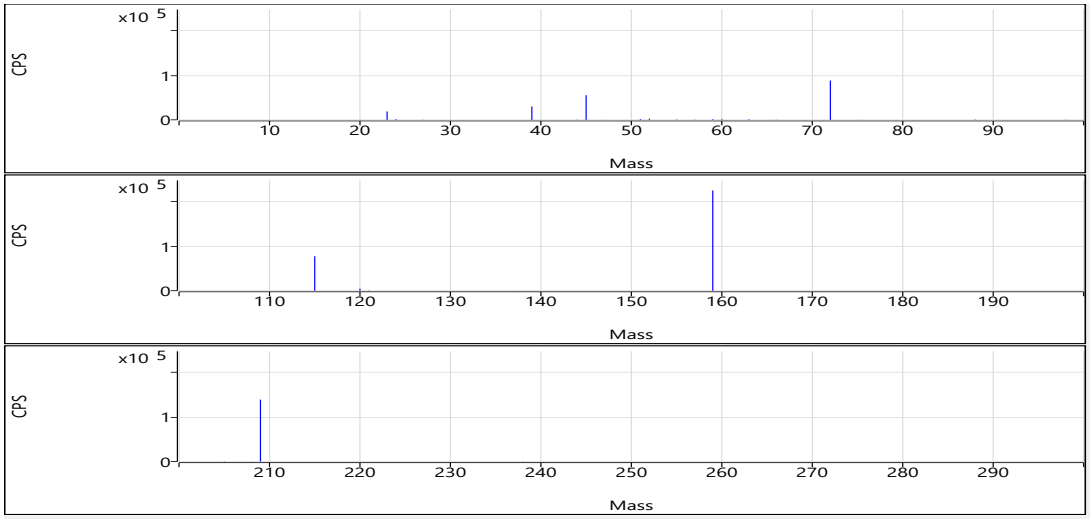


H2



Quantitation Report

He



Quantitation Report

Data File Name	123SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:03:48
Sample Name	410-234898-K-4-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

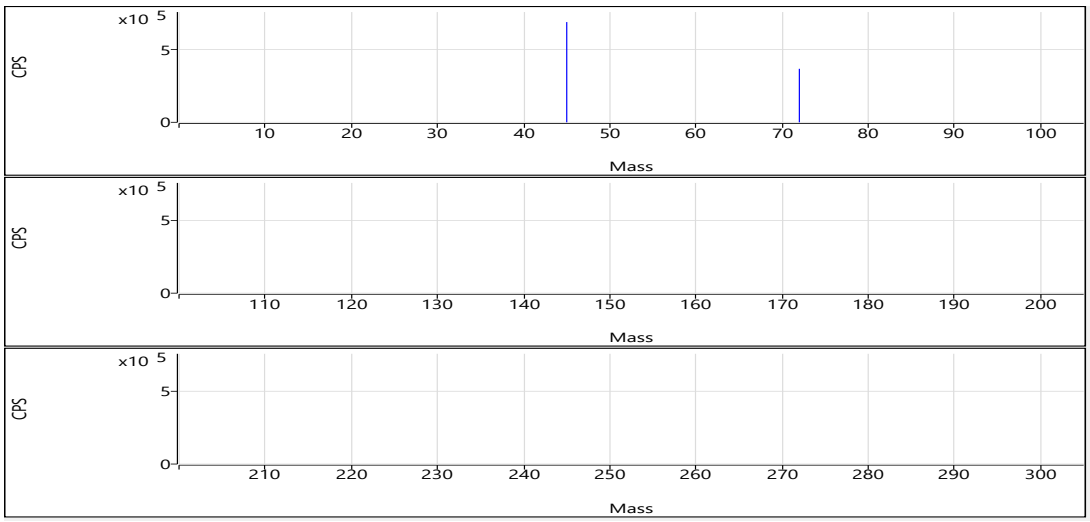
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.018	ppb	85.7	27.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.151	ppb	9.7	42.00	0.0001	Pulse	1.5000	3
Na	23	45	He	7107.018	ppb	1.2	1599872.43	28.1018	Pulse	0.1000	3
Mg	24	45	He	34934.073	ppb	0.9	3960084.63	69.5576	Pulse	0.1000	3
Al	27	45	He	4.777	ppb	30.2	340.02	0.0060	Pulse	0.1000	3
K	39	45	He	2633.102	ppb	1.5	308048.43	5.4109	Pulse	0.1000	3
Ca	44	45	He	93232.950	ppb	0.8	524211.52	9.2075	Pulse	0.1000	3
Ti	47	45	He	2.124	ppb	25.1	86.67	0.0015	Pulse	0.1000	3
V	51	45	He	0.438	ppb	13.2	1610.10	0.0283	Pulse	0.5000	3
Cr	52	72	He	0.331	ppb	25.6	2660.36	0.0289	Pulse	0.1000	3
Mn	55	45	He	2544.081	ppb	1.6	2258261.53	39.6670	Pulse	0.1000	3
Fe	57	45	He	7402.917	ppb	2.1	264551.51	4.6470	Pulse	0.1000	3
Co	59	72	He	12.195	ppb	2.7	40236.48	0.4379	Pulse	0.1000	3
Ni	60	115	He	10.232	ppb	4.2	10330.68	0.1337	Pulse	0.1000	3
Cu	63	115	He	0.445	ppb	15.0	1356.79	0.0175	Pulse	0.1000	3
Zn	66	72	He	7.039	ppb	4.8	2180.25	0.0237	Pulse	0.1000	3
As	75	72	He	5.143	ppb	5.7	1245.39	0.0136	Pulse	0.5000	3
Sr	88	72	He	87.683	ppb	2.1	106960.35	1.1639	Pulse	0.1000	3
Mo	98	72	He	0.670	ppb	3.3	1320.10	0.0144	Pulse	0.1000	3
Ag	107	115	He	0.024	ppb	44.3	120.00	0.0016	Pulse	0.1000	3
Cd	111	115	He	0.035	ppb	56.6	18.00	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.403	ppb	N/A	3790.66	0.0491	Pulse	0.1000	3
Sb	121	115	He	0.296	ppb	8.3	413.35	0.0054	Pulse	0.1000	3
Ba	137	115	He	365.510	ppb	2.4	175987.52	2.2774	Pulse	0.1000	3
Tl	205	209	He	0.138	ppb	3.6	863.39	0.0061	Pulse	0.1000	3
Pb	208	209	He	0.044	ppb	45.5	633.37	0.0045	Pulse	0.1000	3
U	238	209	He	0.600	ppb	5.3	4571.00	0.0323	Pulse	0.1000	3

ISTD Table:

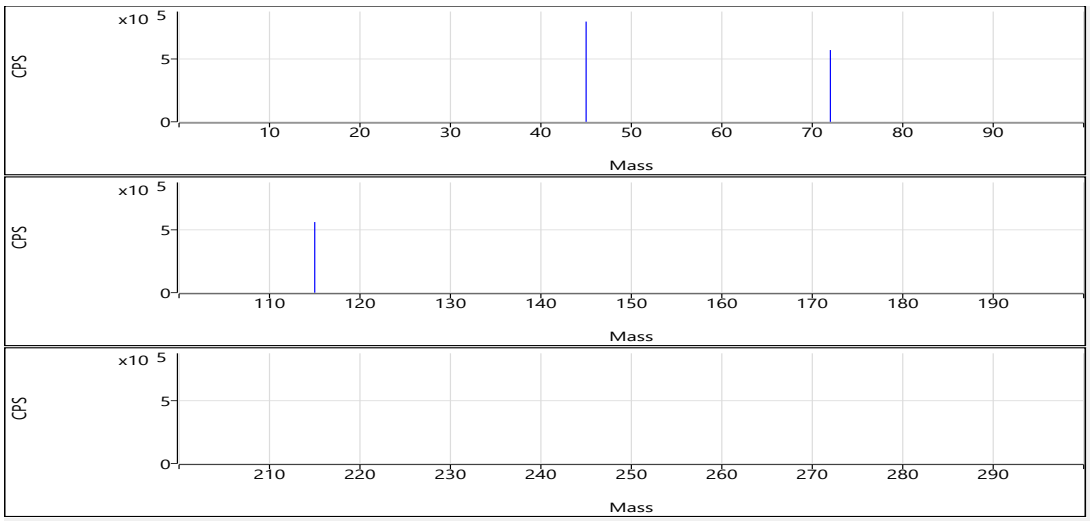
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	690998.64	0.9	101.1	Pulse	0.1000	3
No Gas	Ge	72	368830.01	0.8	102.0	Pulse	0.1000	3
H2	Sc	45	794338.11	0.5	102.7	Pulse	0.1000	3
H2	Ge	72	568790.26	0.6	104.6	Pulse	0.1000	3
H2	In	115	559810.15	0.4	101.5	Pulse	0.1000	3
He	Sc	45	56934.58	0.7	102.0	Pulse	0.1000	3
He	Ge	72	91920.01	2.1	102.9	Pulse	0.1000	3
He	In	115	77294.23	1.7	101.8	Pulse	0.1000	3
He	Tb	159	229609.50	0.9	104.5	Pulse	0.1000	3
He	Bi	209	141567.71	0.9	102.8	Pulse	0.1000	3

No Gas

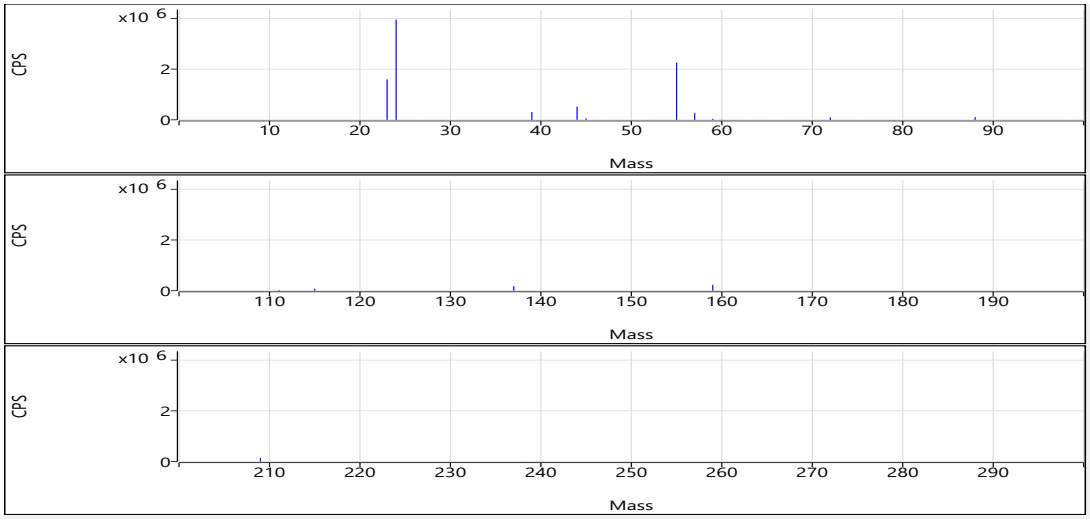


H2



Quantitation Report

He



Quantitation Report

Data File Name	124SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:05:54
Sample Name	410-234898-B-4-A DU
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

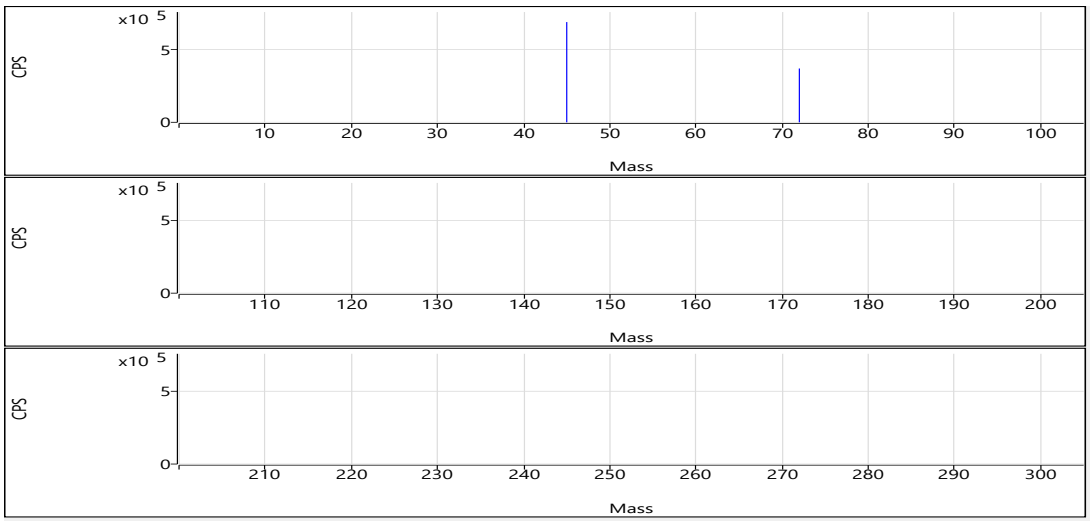
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.019	ppb	443.5	27.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.107	ppb	15.2	31.33	0.0001	Pulse	1.5000	3
Na	23	45	He	7151.650	ppb	0.6	1568881.38	28.2766	Pulse	0.1000	3
Mg	24	45	He	35432.669	ppb	1.8	3914090.25	70.5502	Pulse	0.1000	3
Al	27	45	He	2.261	ppb	90.6	233.35	0.0042	Pulse	0.1000	3
K	39	45	He	2690.318	ppb	0.3	306134.19	5.5174	Pulse	0.1000	3
Ca	44	45	He	94793.375	ppb	0.8	519408.57	9.3616	Pulse	0.1000	3
Ti	47	45	He	1.487	ppb	64.3	60.00	0.0011	Pulse	0.1000	3
V	51	45	He	0.345	ppb	9.8	1434.75	0.0259	Pulse	0.5000	3
Cr	52	72	He	0.319	ppb	23.8	2573.65	0.0287	Pulse	0.1000	3
Mn	55	45	He	2589.626	ppb	1.7	2240108.72	40.3771	Pulse	0.1000	3
Fe	57	45	He	7512.538	ppb	0.2	261652.27	4.7157	Pulse	0.1000	3
Co	59	72	He	12.470	ppb	0.6	40132.80	0.4477	Pulse	0.1000	3
Ni	60	115	He	10.047	ppb	1.8	9887.03	0.1316	Pulse	0.1000	3
Cu	63	115	He	0.411	ppb	8.5	1236.77	0.0165	Pulse	0.1000	3
Zn	66	72	He	6.982	ppb	11.6	2110.23	0.0235	Pulse	0.1000	3
As	75	72	He	4.888	ppb	6.4	1157.39	0.0129	Pulse	0.5000	3
Sr	88	72	He	89.297	ppb	1.6	106241.05	1.1853	Pulse	0.1000	3
Mo	98	72	He	0.639	ppb	7.3	1230.10	0.0137	Pulse	0.1000	3
Ag	107	115	He	0.026	ppb	47.8	123.34	0.0016	Pulse	0.1000	3
Cd	111	115	He	0.044	ppb	37.8	21.33	0.0003	Pulse	0.5000	3
Sn	120	115	He	-0.534	ppb	N/A	3497.23	0.0465	Pulse	0.1000	3
Sb	121	115	He	0.200	ppb	26.4	280.02	0.0037	Pulse	0.1000	3
Ba	137	115	He	371.309	ppb	1.7	173836.45	2.3135	Pulse	0.1000	3
Tl	205	209	He	0.120	ppb	7.7	743.38	0.0054	Pulse	0.1000	3
Pb	208	209	He	0.042	ppb	7.7	606.69	0.0044	Pulse	0.1000	3
U	238	209	He	0.604	ppb	2.2	4484.26	0.0325	Pulse	0.1000	3

ISTD Table:

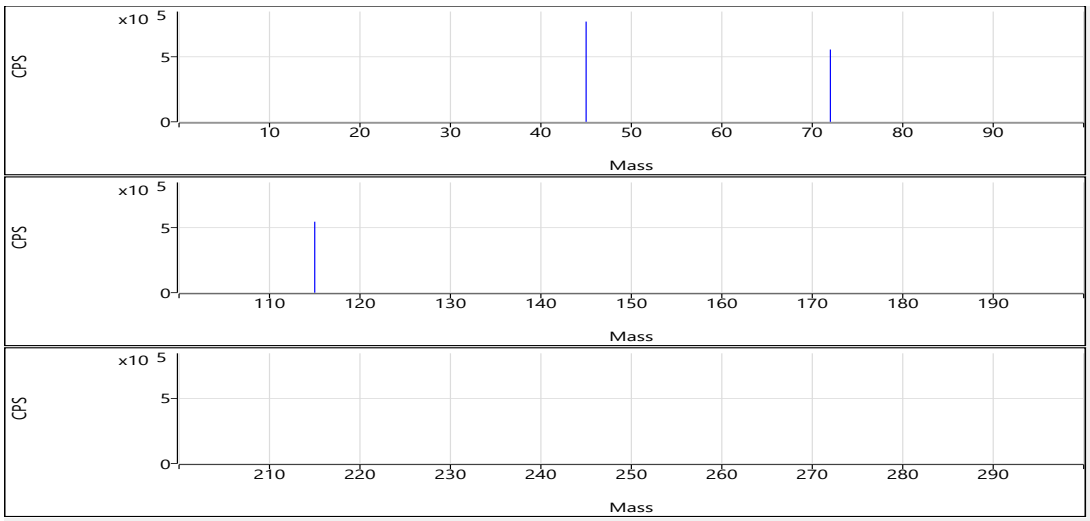
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	683927.59	0.9	100.0	Pulse	0.1000	3
No Gas	Ge	72	367082.13	0.8	101.5	Pulse	0.1000	3
H2	Sc	45	774728.82	0.9	100.2	Pulse	0.1000	3
H2	Ge	72	558785.97	0.4	102.7	Pulse	0.1000	3
H2	In	115	548684.84	0.2	99.5	Pulse	0.1000	3
He	Sc	45	55485.71	1.0	99.4	Pulse	0.1000	3
He	Ge	72	89638.27	0.8	100.4	Pulse	0.1000	3
He	In	115	75148.76	1.3	99.0	Pulse	0.1000	3
He	Tb	159	224359.27	0.9	102.1	Pulse	0.1000	3
He	Bi	209	138014.92	0.8	100.2	Pulse	0.1000	3

No Gas

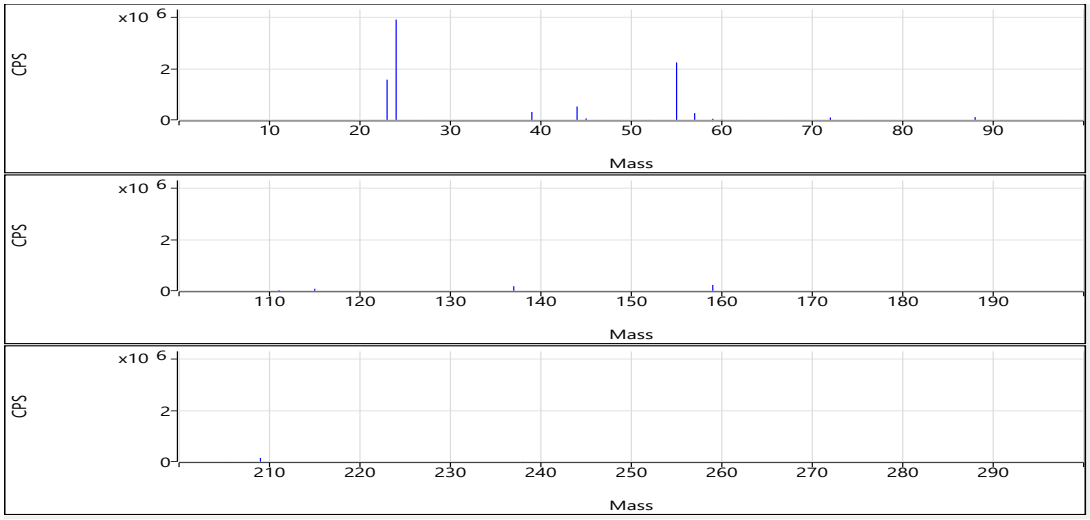


H2



Quantitation Report

He



Quantitation Report

Data File Name	125SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:08:00
Sample Name	410-234898-K-4-B MS
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

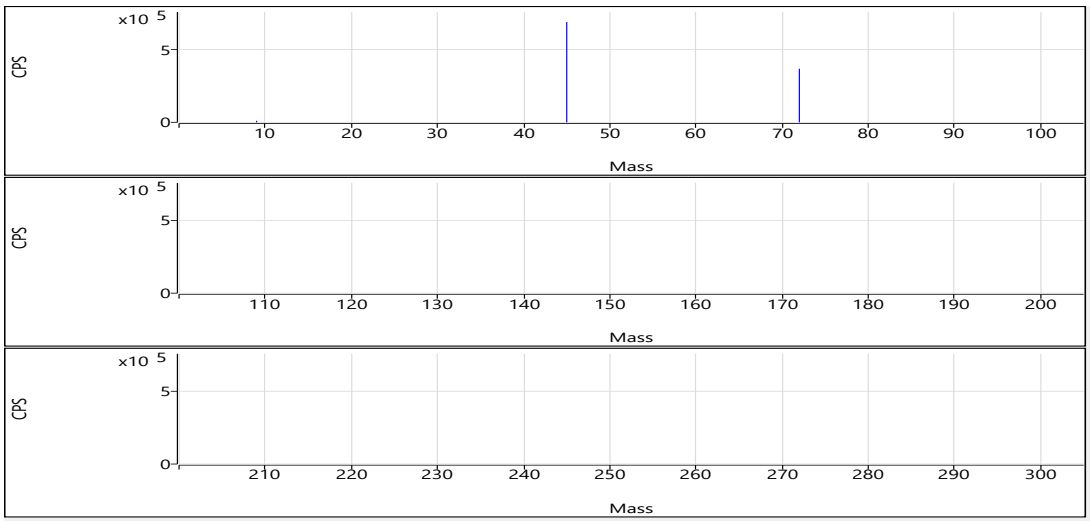
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.980	ppb	1.2	10085.43	0.0147	Pulse	0.5000	3
Se	78	72	H2	97.529	ppb	0.3	22129.35	0.0387	Pulse	1.5000	3
Na	23	45	He	11970.492	ppb	1.1	2793877.56	47.1497	Pulse	0.1000	3
Mg	24	45	He	39019.420	ppb	1.1	4603670.56	77.6907	Mix	0.1000	3
Al	27	45	He	4731.039	ppb	1.0	196593.75	3.3177	Pulse	0.1000	3
K	39	45	He	7451.287	ppb	1.1	851859.33	14.3761	Pulse	0.1000	3
Ca	44	45	He	96391.788	ppb	0.9	564083.01	9.5193	Pulse	0.1000	3
Ti	47	45	He	494.987	ppb	3.1	20197.92	0.3409	Pulse	0.1000	3
V	51	45	He	477.179	ppb	1.0	742211.58	12.5256	Pulse	0.5000	3
Cr	52	72	He	480.883	ppb	1.0	902160.59	9.6313	Pulse	0.1000	3
Mn	55	45	He	3096.733	ppb	1.2	2861002.87	48.2829	Pulse	0.1000	3
Fe	57	45	He	12296.100	ppb	1.2	457188.51	7.7157	Pulse	0.1000	3
Co	59	72	He	489.827	ppb	1.0	1640034.72	17.5084	Pulse	0.1000	3
Ni	60	115	He	488.627	ppb	0.4	446064.57	5.6977	Pulse	0.1000	3
Cu	63	115	He	480.462	ppb	1.1	1208535.74	15.4371	Pulse	0.1000	3
Zn	66	72	He	487.836	ppb	0.3	147648.38	1.5761	Pulse	0.1000	3
As	75	72	He	497.908	ppb	0.6	117026.03	1.2493	Pulse	0.5000	3
Sr	88	72	He	135.971	ppb	0.9	168897.35	1.8031	Pulse	0.1000	3
Mo	98	72	He	49.298	ppb	2.0	94896.80	1.0132	Pulse	0.1000	3
Ag	107	115	He	49.670	ppb	0.5	180267.74	2.3026	Pulse	0.1000	3
Cd	111	115	He	48.939	ppb	1.1	22380.49	0.2859	Pulse	0.5000	3
Sn	120	115	He	98.071	ppb	2.2	151446.23	1.9345	Pulse	0.1000	3
Sb	121	115	He	98.364	ppb	1.5	131291.51	1.6771	Pulse	0.1000	3
Ba	137	115	He	872.407	ppb	0.6	425420.64	5.4341	Pulse	0.1000	3
Tl	205	209	He	97.172	ppb	0.5	566471.67	3.9421	Pulse	0.1000	3
Pb	208	209	He	48.678	ppb	0.6	378025.93	2.6307	Pulse	0.1000	3
U	238	209	He	49.679	ppb	0.7	373994.14	2.6027	Pulse	0.1000	3

ISTD Table:

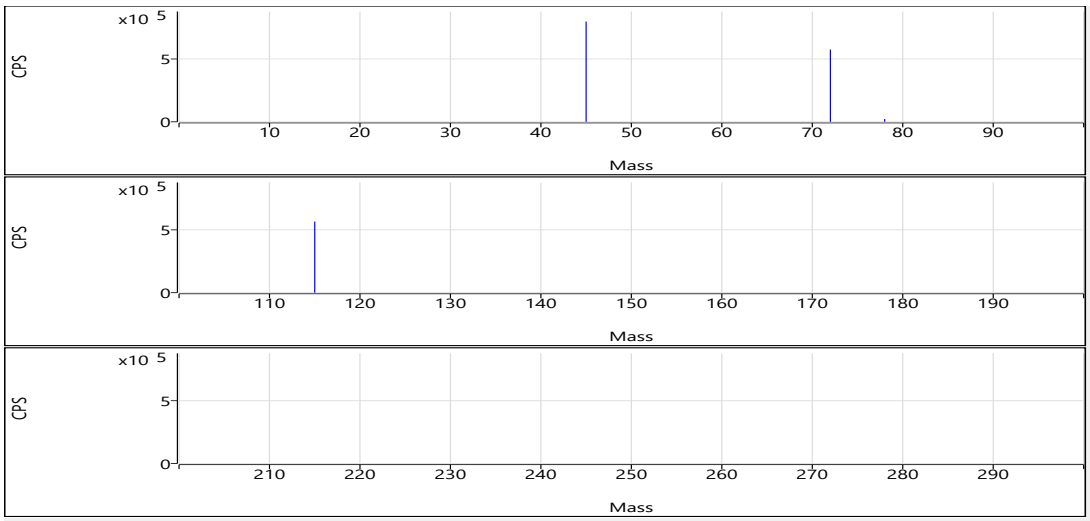
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	685808.50	1.0	100.3	Pulse	0.1000	3
No Gas	Ge	72	366321.82	1.2	101.3	Pulse	0.1000	3
H2	Sc	45	793802.18	0.8	102.6	Pulse	0.1000	3
H2	Ge	72	572513.20	0.5	105.2	Pulse	0.1000	3
H2	In	115	563027.22	0.7	102.1	Pulse	0.1000	3
He	Sc	45	59260.90	1.3	106.2	Pulse	0.1000	3
He	Ge	72	93677.25	1.2	104.9	Pulse	0.1000	3
He	In	115	78288.06	0.4	103.1	Pulse	0.1000	3
He	Tb	159	231337.11	0.6	105.3	Pulse	0.1000	3
He	Bi	209	143700.05	0.7	104.3	Pulse	0.1000	3

No Gas

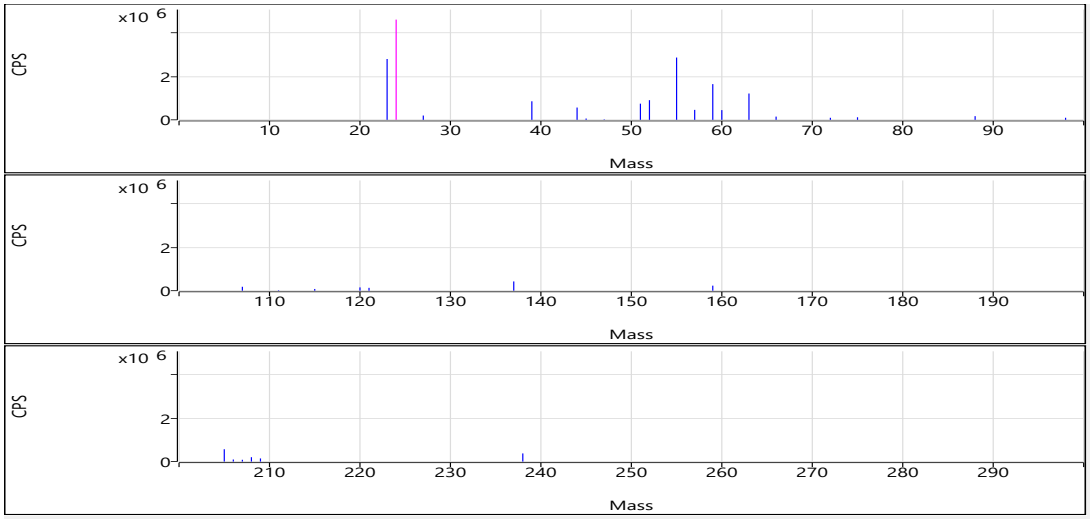


H2



Quantitation Report

He



Quantitation Report

Data File Name	126SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:10:06
Sample Name	410-234898-K-4-C MSD
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

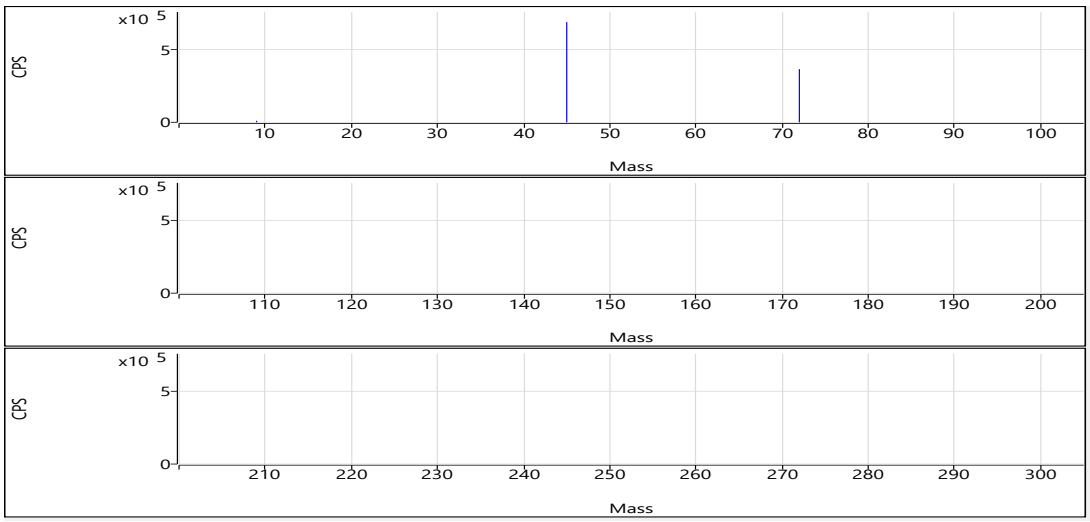
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	50.124	ppb	1.6	10352.29	0.0150	Pulse	0.5000	3
Se	78	72	H2	97.486	ppb	0.3	22103.32	0.0386	Pulse	1.5000	3
Na	23	45	He	11873.451	ppb	2.0	2837019.75	46.7696	Pulse	0.1000	3
Mg	24	45	He	39374.734	ppb	1.9	4755892.95	78.3981	Analog	0.1000	3
Al	27	45	He	4744.475	ppb	1.6	201827.65	3.3271	Pulse	0.1000	3
K	39	45	He	7442.237	ppb	2.5	871036.42	14.3593	Pulse	0.1000	3
Ca	44	45	He	97599.433	ppb	1.5	584742.88	9.6386	Pulse	0.1000	3
Ti	47	45	He	490.275	ppb	2.8	20478.29	0.3376	Pulse	0.1000	3
V	51	45	He	478.564	ppb	1.8	762050.50	12.5619	Pulse	0.5000	3
Cr	52	72	He	478.370	ppb	1.5	929005.64	9.5811	Pulse	0.1000	3
Mn	55	45	He	3065.742	ppb	2.0	2899699.96	47.7998	Pulse	0.1000	3
Fe	57	45	He	12190.322	ppb	1.9	464113.73	7.6493	Pulse	0.1000	3
Co	59	72	He	485.950	ppb	2.0	1684244.71	17.3698	Pulse	0.1000	3
Ni	60	115	He	484.961	ppb	0.6	459970.42	5.6551	Pulse	0.1000	3
Cu	63	115	He	478.522	ppb	1.3	1250337.04	15.3748	Pulse	0.1000	3
Zn	66	72	He	485.315	ppb	1.9	152029.85	1.5680	Pulse	0.1000	3
As	75	72	He	499.877	ppb	1.7	121614.20	1.2542	Pulse	0.5000	3
Sr	88	72	He	134.181	ppb	2.7	172522.53	1.7794	Pulse	0.1000	3
Mo	98	72	He	49.798	ppb	1.9	99230.98	1.0235	Pulse	0.1000	3
Ag	107	115	He	49.382	ppb	1.3	186172.28	2.2892	Pulse	0.1000	3
Cd	111	115	He	48.756	ppb	1.8	23161.09	0.2848	Pulse	0.5000	3
Sn	120	115	He	97.746	ppb	0.4	156861.69	1.9282	Pulse	0.1000	3
Sb	121	115	He	97.391	ppb	1.4	135063.64	1.6605	Pulse	0.1000	3
Ba	137	115	He	851.724	ppb	1.2	431452.30	5.3053	Pulse	0.1000	3
Tl	205	209	He	98.048	ppb	1.9	588388.28	3.9777	Pulse	0.1000	3
Pb	208	209	He	48.154	ppb	0.3	384951.75	2.6024	Pulse	0.1000	3
U	238	209	He	49.382	ppb	0.7	382684.11	2.5871	Pulse	0.1000	3

ISTD Table:

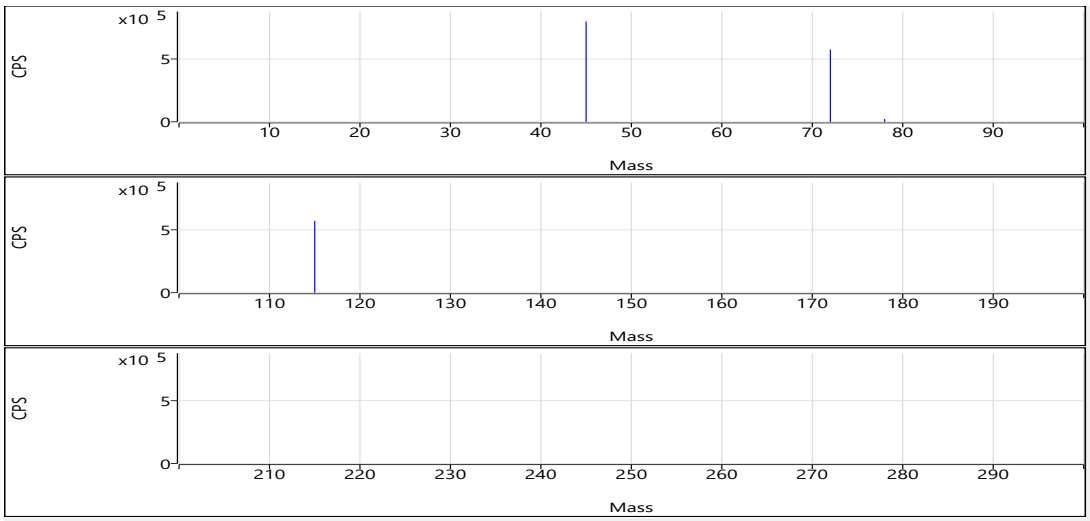
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	687993.74	0.4	100.6	Pulse	0.1000	3
No Gas	Ge	72	364804.46	0.6	100.9	Pulse	0.1000	3
H2	Sc	45	794501.99	0.6	102.7	Pulse	0.1000	3
H2	Ge	72	572086.00	0.6	105.2	Pulse	0.1000	3
H2	In	115	568489.33	0.1	103.1	Pulse	0.1000	3
He	Sc	45	60676.55	2.4	108.7	Pulse	0.1000	3
He	Ge	72	96968.93	1.2	108.6	Pulse	0.1000	3
He	In	115	81343.68	2.9	107.1	Pulse	0.1000	3
He	Tb	159	239397.37	1.5	108.9	Pulse	0.1000	3
He	Bi	209	147919.14	0.2	107.4	Pulse	0.1000	3

No Gas

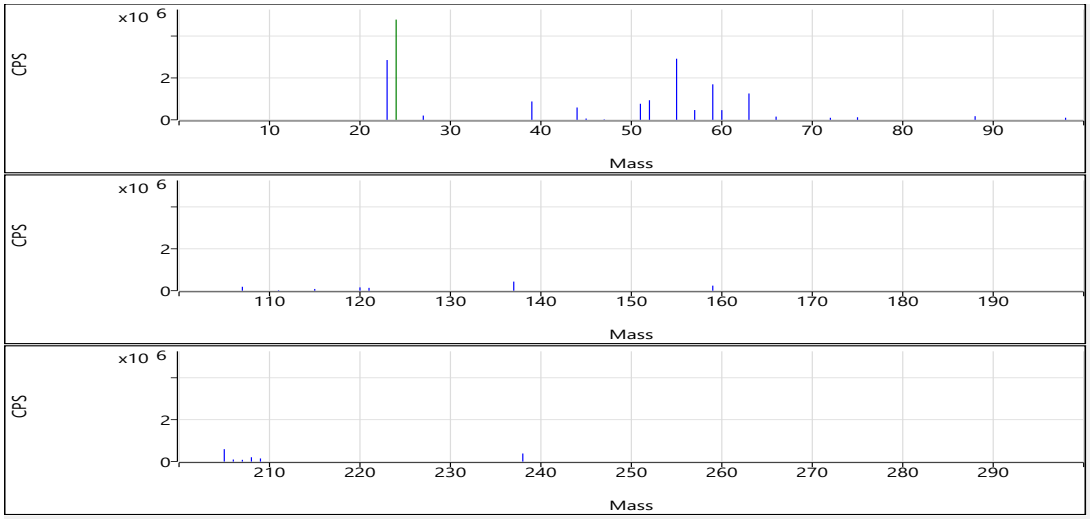


H2



Quantitation Report

He



Quantitation Report

Data File Name	127SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:12:12
Sample Name	410-234898-M-3-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

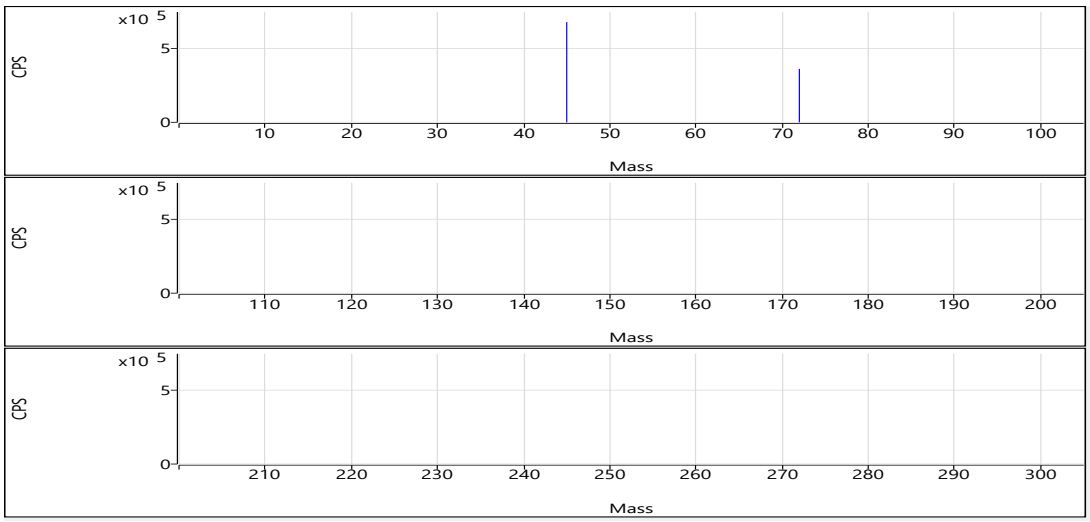
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.125	ppb	16.0	48.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.913	ppb	4.6	212.67	0.0004	Pulse	1.5000	3
Na	23	45	He	5114.713	ppb	1.1	1204968.89	20.2989	Pulse	0.1000	3
Mg	24	45	He	41974.486	ppb	0.7	4961171.07	83.5737	Analog	0.1000	3
Al	27	45	He	11.407	ppb	24.5	630.04	0.0106	Pulse	0.1000	3
K	39	45	He	3273.587	ppb	0.5	391960.62	6.6027	Pulse	0.1000	3
Ca	44	45	He	119213.698	ppb	1.6	698784.34	11.7721	Pulse	0.1000	3
Ti	47	45	He	3.177	ppb	16.5	133.34	0.0022	Pulse	0.1000	3
V	51	45	He	1.143	ppb	9.1	2775.61	0.0468	Pulse	0.5000	3
Cr	52	72	He	1.160	ppb	10.0	4357.47	0.0455	Pulse	0.1000	3
Mn	55	45	He	437.317	ppb	1.3	404972.65	6.8224	Pulse	0.1000	3
Fe	57	45	He	2130.516	ppb	2.1	79564.17	1.3404	Pulse	0.1000	3
Co	59	72	He	5.993	ppb	2.2	20705.40	0.2162	Pulse	0.1000	3
Ni	60	115	He	12.194	ppb	3.7	12585.91	0.1565	Pulse	0.1000	3
Cu	63	115	He	1.152	ppb	7.5	3237.12	0.0403	Pulse	0.1000	3
Zn	66	72	He	2.674	ppb	20.9	923.40	0.0096	Pulse	0.1000	3
As	75	72	He	3.993	ppb	8.2	1021.38	0.0107	Pulse	0.5000	3
Sr	88	72	He	79.489	ppb	1.3	101061.57	1.0555	Pulse	0.1000	3
Mo	98	72	He	0.666	ppb	12.7	1366.78	0.0143	Pulse	0.1000	3
Ag	107	115	He	0.114	ppb	15.4	460.03	0.0057	Pulse	0.1000	3
Cd	111	115	He	0.125	ppb	5.7	60.67	0.0008	Pulse	0.5000	3
Sn	120	115	He	0.077	ppb	172.7	4684.30	0.0582	Pulse	0.1000	3
Sb	121	115	He	0.406	ppb	19.4	580.03	0.0072	Pulse	0.1000	3
Ba	137	115	He	587.047	ppb	2.0	294100.06	3.6570	Pulse	0.1000	3
Tl	205	209	He	1.907	ppb	3.3	11405.33	0.0779	Pulse	0.1000	3
Pb	208	209	He	0.109	ppb	8.6	1170.07	0.0080	Pulse	0.1000	3
U	238	209	He	1.349	ppb	2.0	10477.93	0.0715	Pulse	0.1000	3

ISTD Table:

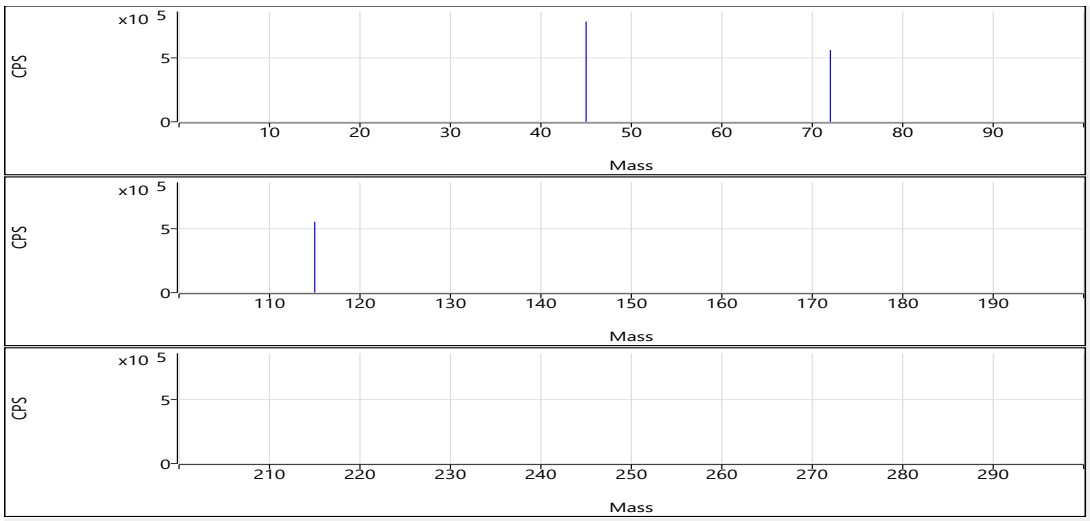
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	679688.58	0.7	99.4	Pulse	0.1000	3
No Gas	Ge	72	362225.55	0.9	100.1	Pulse	0.1000	3
H2	Sc	45	789505.30	1.0	102.1	Pulse	0.1000	3
H2	Ge	72	565861.38	1.0	104.0	Pulse	0.1000	3
H2	In	115	558867.15	1.3	101.3	Pulse	0.1000	3
He	Sc	45	59363.84	0.8	106.4	Pulse	0.1000	3
He	Ge	72	95754.74	0.8	107.2	Pulse	0.1000	3
He	In	115	80438.27	1.7	105.9	Pulse	0.1000	3
He	Tb	159	238104.27	0.9	108.3	Pulse	0.1000	3
He	Bi	209	146504.09	0.4	106.3	Pulse	0.1000	3

No Gas

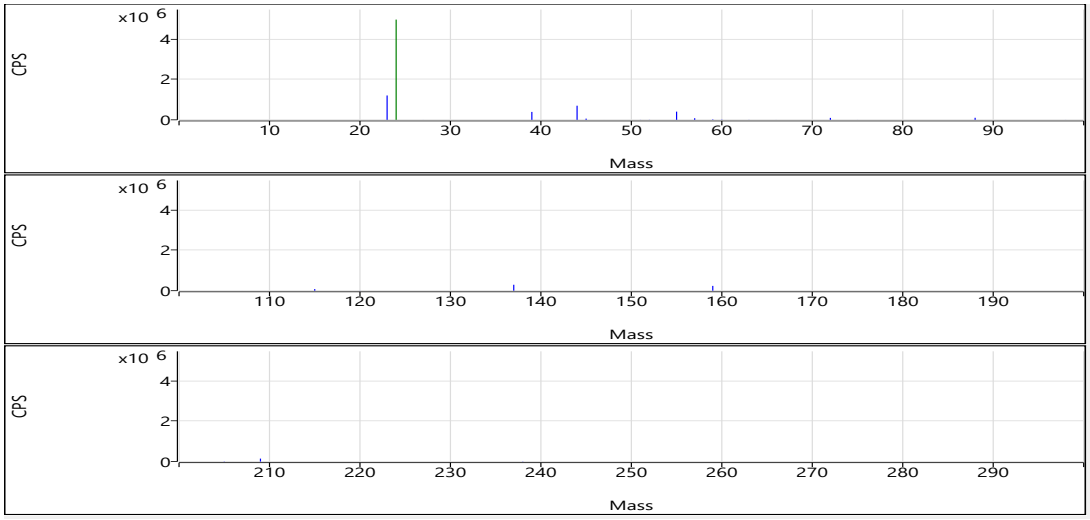


H2



Quantitation Report

He



Quantitation Report

Data File Name	128SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:14:18
Sample Name	410-234898-G-9-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

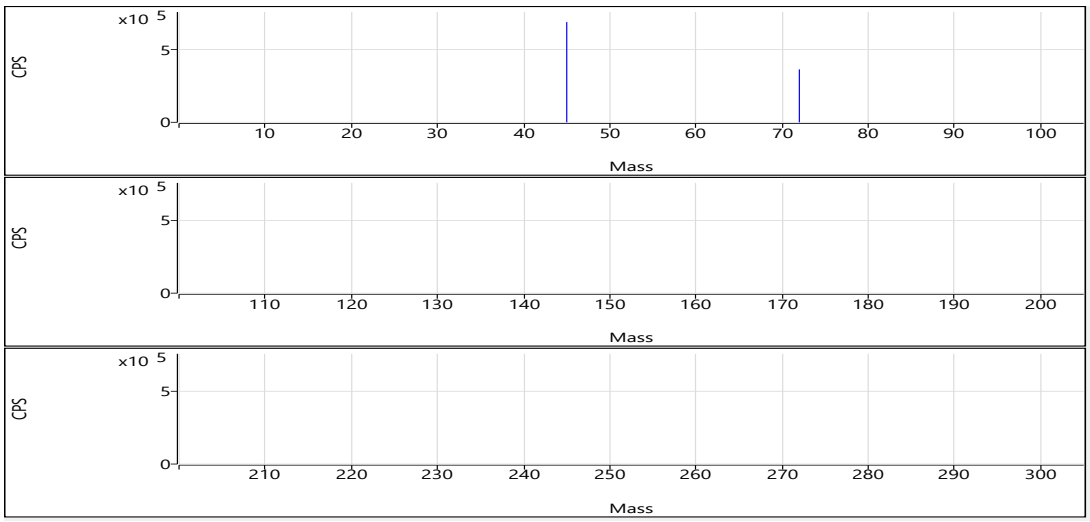
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.013	ppb	N/A	20.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.906	ppb	7.0	208.23	0.0004	Pulse	1.5000	3
Na	23	45	He	3306.913	ppb	1.5	778517.43	13.2186	Pulse	0.1000	3
Mg	24	45	He	26353.343	ppb	1.8	3090480.47	52.4751	Pulse	0.1000	3
Al	27	45	He	5.933	ppb	19.9	400.02	0.0068	Pulse	0.1000	3
K	39	45	He	1684.049	ppb	1.9	214680.94	3.6450	Pulse	0.1000	3
Ca	44	45	He	62882.398	ppb	2.0	365827.17	6.2116	Pulse	0.1000	3
Ti	47	45	He	1.227	ppb	41.2	53.33	0.0009	Pulse	0.1000	3
V	51	45	He	0.710	ppb	11.0	2085.50	0.0354	Pulse	0.5000	3
Cr	52	72	He	0.874	ppb	14.2	3783.96	0.0398	Pulse	0.1000	3
Mn	55	45	He	3.699	ppb	2.4	3663.93	0.0622	Pulse	0.1000	3
Fe	57	45	He	24.010	ppb	3.2	1140.09	0.0194	Pulse	0.1000	3
Co	59	72	He	0.463	ppb	4.2	1766.84	0.0186	Pulse	0.1000	3
Ni	60	115	He	0.696	ppb	28.1	1856.85	0.0228	Pulse	0.1000	3
Cu	63	115	He	0.589	ppb	4.2	1803.51	0.0222	Pulse	0.1000	3
Zn	66	72	He	3.426	ppb	1.2	1146.75	0.0121	Pulse	0.1000	3
As	75	72	He	0.768	ppb	5.3	245.33	0.0026	Pulse	0.5000	3
Sr	88	72	He	59.183	ppb	2.6	74722.75	0.7867	Pulse	0.1000	3
Mo	98	72	He	1.416	ppb	0.9	2820.37	0.0297	Pulse	0.1000	3
Ag	107	115	He	0.033	ppb	34.0	160.01	0.0020	Pulse	0.1000	3
Cd	111	115	He	0.038	ppb	1.9	20.00	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.385	ppb	N/A	4017.41	0.0494	Pulse	0.1000	3
Sb	121	115	He	0.239	ppb	11.0	356.68	0.0044	Pulse	0.1000	3
Ba	137	115	He	166.352	ppb	2.5	84361.28	1.0372	Pulse	0.1000	3
Tl	205	209	He	0.207	ppb	7.1	1313.46	0.0089	Pulse	0.1000	3
Pb	208	209	He	0.034	ppb	34.6	590.03	0.0040	Pulse	0.1000	3
U	238	209	He	0.471	ppb	2.1	3770.69	0.0255	Pulse	0.1000	3

ISTD Table:

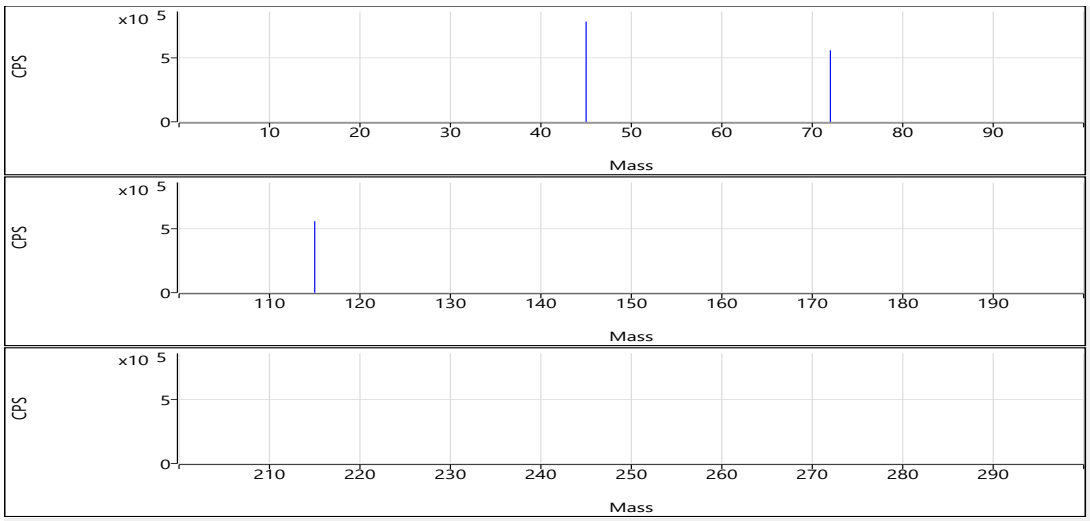
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	685120.61	0.4	100.2	Pulse	0.1000	3
No Gas	Ge	72	361556.31	0.8	100.0	Pulse	0.1000	3
H2	Sc	45	782613.87	1.2	101.2	Pulse	0.1000	3
H2	Ge	72	558595.08	1.3	102.7	Pulse	0.1000	3
H2	In	115	558174.00	0.3	101.2	Pulse	0.1000	3
He	Sc	45	58902.01	1.1	105.5	Pulse	0.1000	3
He	Ge	72	95023.55	2.5	106.4	Pulse	0.1000	3
He	In	115	81355.32	1.7	107.1	Pulse	0.1000	3
He	Tb	159	239355.42	1.3	108.9	Pulse	0.1000	3
He	Bi	209	147823.82	0.4	107.3	Pulse	0.1000	3

No Gas

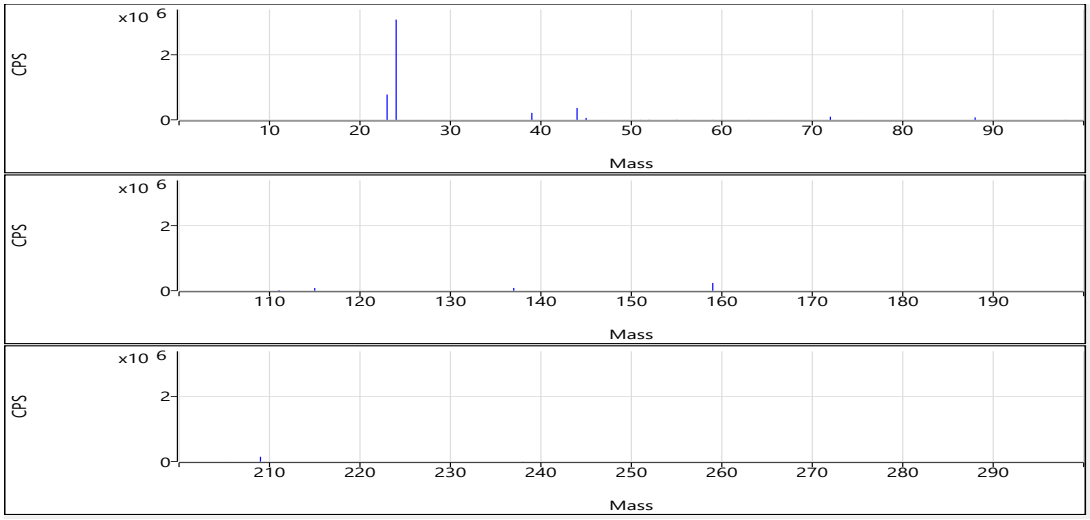


H2



Quantitation Report

He



Quantitation Report

Data File Name	129SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:16:24
Sample Name	410-234898-M-1-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

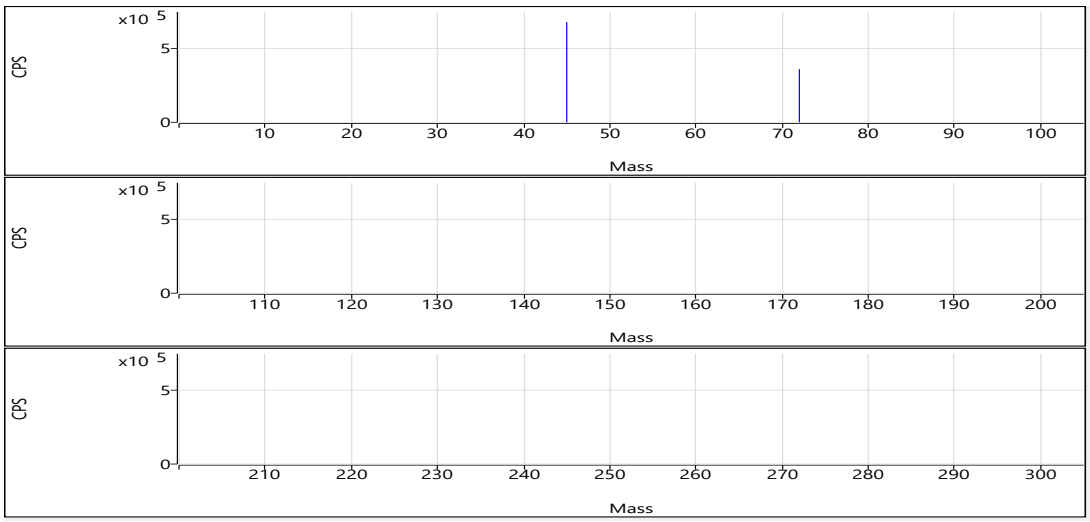
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.033	ppb	59.1	30.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.223	ppb	15.4	56.67	0.0001	Pulse	1.5000	3
Na	23	45	He	5355.840	ppb	1.2	1186785.53	21.2432	Pulse	0.1000	3
Mg	24	45	He	29602.962	ppb	1.6	3292840.89	58.9444	Pulse	0.1000	3
Al	27	45	He	9.193	ppb	2.9	506.69	0.0091	Pulse	0.1000	3
K	39	45	He	3601.434	ppb	2.6	402871.86	7.2127	Pulse	0.1000	3
Ca	44	45	He	92027.835	ppb	1.1	507757.09	9.0886	Pulse	0.1000	3
Ti	47	45	He	1.653	ppb	26.1	66.67	0.0012	Pulse	0.1000	3
V	51	45	He	0.448	ppb	6.5	1594.10	0.0285	Pulse	0.5000	3
Cr	52	72	He	0.279	ppb	55.7	2473.64	0.0279	Pulse	0.1000	3
Mn	55	45	He	84.186	ppb	2.8	73572.97	1.3170	Pulse	0.1000	3
Fe	57	45	He	43.141	ppb	5.9	1753.49	0.0314	Pulse	0.1000	3
Co	59	72	He	0.804	ppb	5.7	2730.36	0.0308	Pulse	0.1000	3
Ni	60	115	He	3.570	ppb	1.7	4260.79	0.0562	Pulse	0.1000	3
Cu	63	115	He	0.499	ppb	11.9	1460.12	0.0193	Pulse	0.1000	3
Zn	66	72	He	2.260	ppb	17.7	736.72	0.0083	Pulse	0.1000	3
As	75	72	He	0.746	ppb	17.7	224.00	0.0025	Pulse	0.5000	3
Sr	88	72	He	49.050	ppb	1.0	57864.78	0.6526	Pulse	0.1000	3
Mo	98	72	He	0.085	ppb	21.8	206.68	0.0023	Pulse	0.1000	3
Ag	107	115	He	0.037	ppb	50.4	163.34	0.0022	Pulse	0.1000	3
Cd	111	115	He	0.058	ppb	49.9	27.33	0.0004	Pulse	0.5000	3
Sn	120	115	He	-0.364	ppb	N/A	3773.99	0.0498	Pulse	0.1000	3
Sb	121	115	He	0.175	ppb	5.6	250.01	0.0033	Pulse	0.1000	3
Ba	137	115	He	189.313	ppb	0.9	89413.22	1.1802	Pulse	0.1000	3
Tl	205	209	He	0.114	ppb	12.6	710.05	0.0051	Pulse	0.1000	3
Pb	208	209	He	0.043	ppb	10.0	616.70	0.0044	Pulse	0.1000	3
U	238	209	He	0.259	ppb	2.2	2003.57	0.0144	Pulse	0.1000	3

ISTD Table:

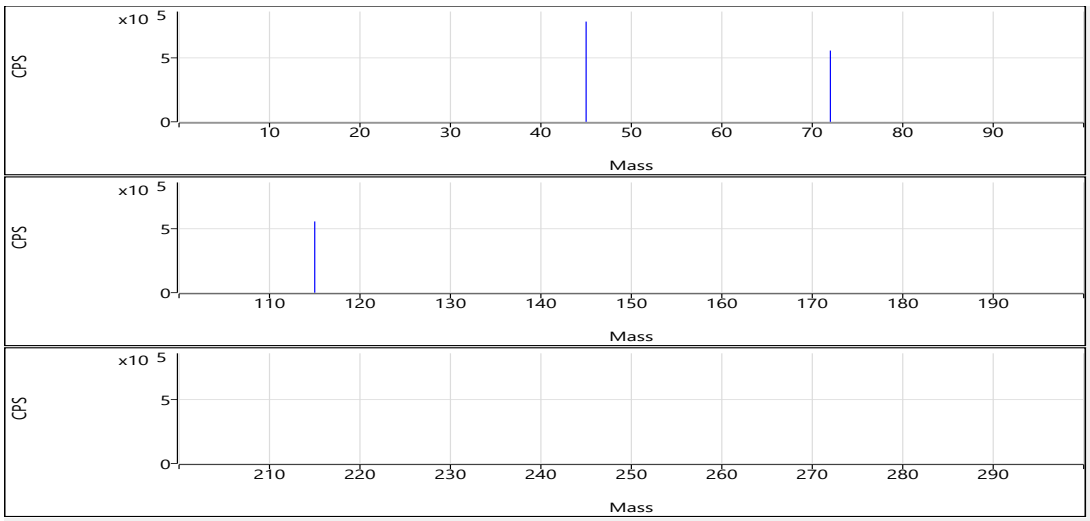
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	679962.12	0.2	99.5	Pulse	0.1000	3
No Gas	Ge	72	360763.65	0.3	99.7	Pulse	0.1000	3
H2	Sc	45	779159.88	1.3	100.7	Pulse	0.1000	3
H2	Ge	72	553859.43	1.6	101.8	Pulse	0.1000	3
H2	In	115	553881.93	1.5	100.4	Pulse	0.1000	3
He	Sc	45	55877.15	2.4	100.1	Pulse	0.1000	3
He	Ge	72	88686.99	2.2	99.3	Pulse	0.1000	3
He	In	115	75772.82	2.5	99.8	Pulse	0.1000	3
He	Tb	159	223028.92	1.0	101.5	Pulse	0.1000	3
He	Bi	209	138943.53	1.5	100.9	Pulse	0.1000	3

No Gas

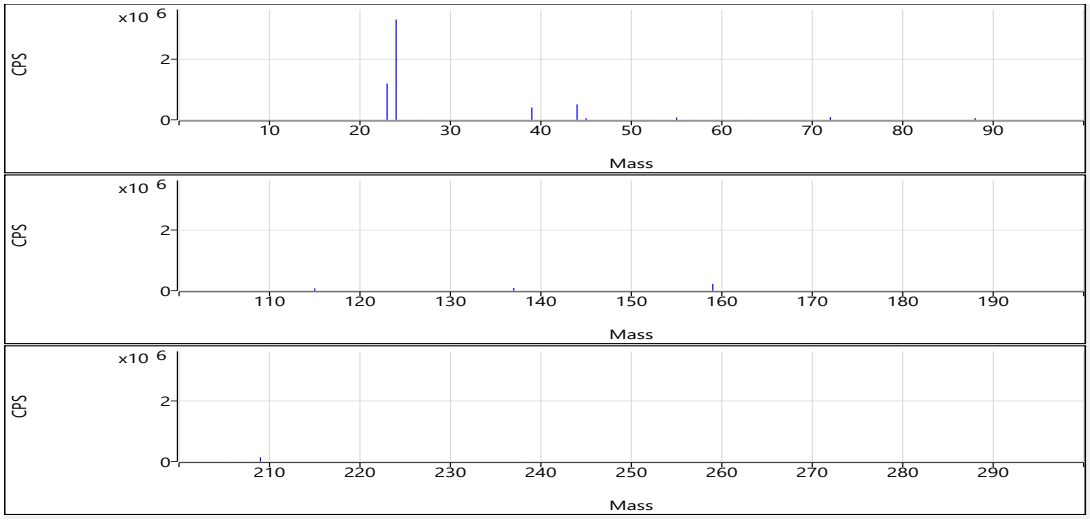


H2



Quantitation Report

He



Quantitation Report

Data File Name	130SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:18:31
Sample Name	410-234898-K-2-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

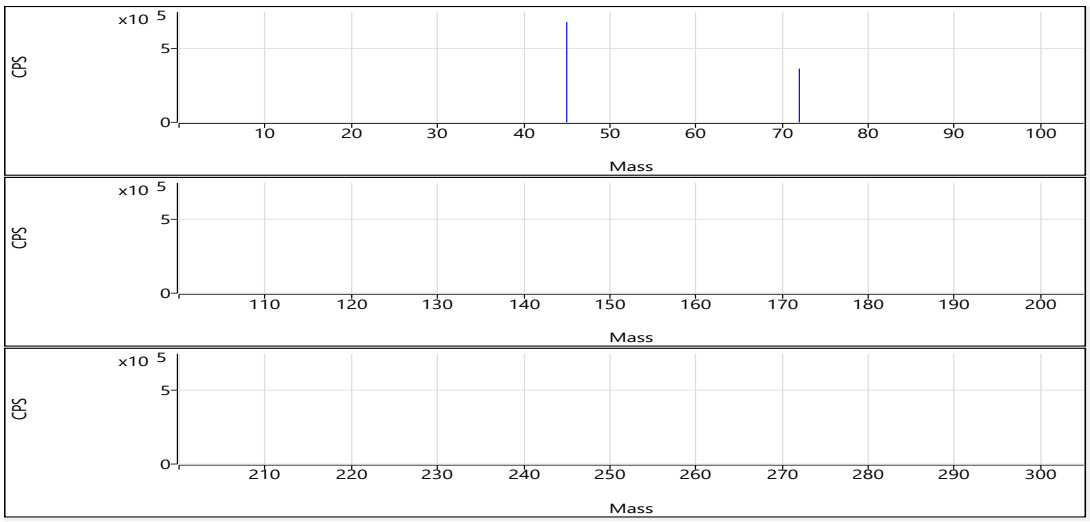
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.310	ppb	6.2	86.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.167	ppb	0.8	46.45	0.0001	Pulse	1.5000	3
Na	23	45	He	5485.467	ppb	0.6	1283508.63	21.7509	Pulse	0.1000	3
Mg	24	45	He	4936.189	ppb	0.5	580522.83	9.8378	Pulse	0.1000	3
Al	27	45	He	27.619	ppb	6.6	1296.77	0.0220	Pulse	0.1000	3
K	39	45	He	3723.531	ppb	1.9	439028.28	7.4399	Pulse	0.1000	3
Ca	44	45	He	8129.461	ppb	2.1	47618.02	0.8069	Pulse	0.1000	3
Ti	47	45	He	1.065	ppb	74.6	46.67	0.0008	Pulse	0.1000	3
V	51	45	He	0.398	ppb	10.1	1606.77	0.0272	Pulse	0.5000	3
Cr	52	72	He	0.373	ppb	35.6	2897.06	0.0298	Pulse	0.1000	3
Mn	55	45	He	177.673	ppb	0.9	163715.93	2.7745	Pulse	0.1000	3
Fe	57	45	He	65.127	ppb	2.9	2663.68	0.0451	Pulse	0.1000	3
Co	59	72	He	0.655	ppb	8.5	2476.95	0.0255	Pulse	0.1000	3
Ni	60	115	He	3.120	ppb	9.4	4204.12	0.0510	Pulse	0.1000	3
Cu	63	115	He	16.169	ppb	1.0	43101.54	0.5226	Pulse	0.1000	3
Zn	66	72	He	36.386	ppb	3.8	11524.92	0.1185	Pulse	0.1000	3
As	75	72	He	0.594	ppb	15.1	208.67	0.0021	Pulse	0.5000	3
Sr	88	72	He	34.716	ppb	1.6	45032.15	0.4628	Pulse	0.1000	3
Mo	98	72	He	0.086	ppb	42.9	230.01	0.0024	Pulse	0.1000	3
Ag	107	115	He	0.273	ppb	2.1	1080.08	0.0131	Pulse	0.1000	3
Cd	111	115	He	0.350	ppb	7.7	170.67	0.0021	Pulse	0.5000	3
Sn	120	115	He	-0.349	ppb	N/A	4130.77	0.0501	Pulse	0.1000	3
Sb	121	115	He	0.191	ppb	17.3	293.35	0.0036	Pulse	0.1000	3
Ba	137	115	He	126.425	ppb	0.7	65030.88	0.7885	Pulse	0.1000	3
Tl	205	209	He	0.136	ppb	14.9	893.40	0.0060	Pulse	0.1000	3
Pb	208	209	He	0.560	ppb	2.8	4787.19	0.0324	Pulse	0.1000	3
U	238	209	He	0.048	ppb	5.7	493.36	0.0033	Pulse	0.1000	3

ISTD Table:

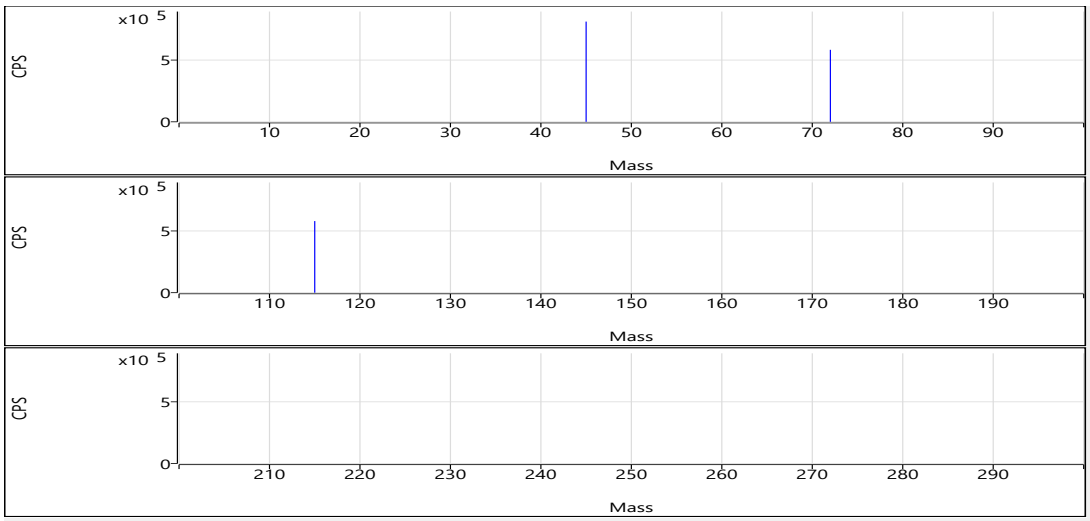
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	682386.42	1.7	99.8	Pulse	0.1000	3
No Gas	Ge	72	365361.67	1.0	101.0	Pulse	0.1000	3
H2	Sc	45	808949.23	0.7	104.6	Pulse	0.1000	3
H2	Ge	72	581205.38	0.2	106.8	Pulse	0.1000	3
H2	In	115	578008.99	0.5	104.8	Pulse	0.1000	3
He	Sc	45	59009.58	0.7	105.7	Pulse	0.1000	3
He	Ge	72	97288.08	1.0	108.9	Pulse	0.1000	3
He	In	115	82471.37	0.2	108.6	Pulse	0.1000	3
He	Tb	159	236057.65	0.3	107.4	Pulse	0.1000	3
He	Bi	209	147788.82	1.3	107.3	Pulse	0.1000	3

No Gas

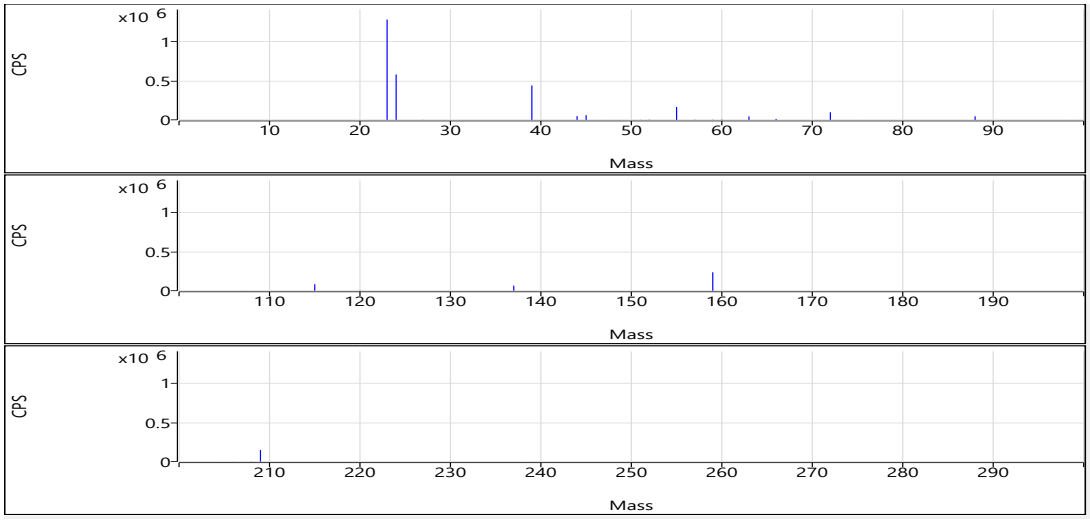


H2



Quantitation Report

He



Quantitation Report

Data File Name	132_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:22:42
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

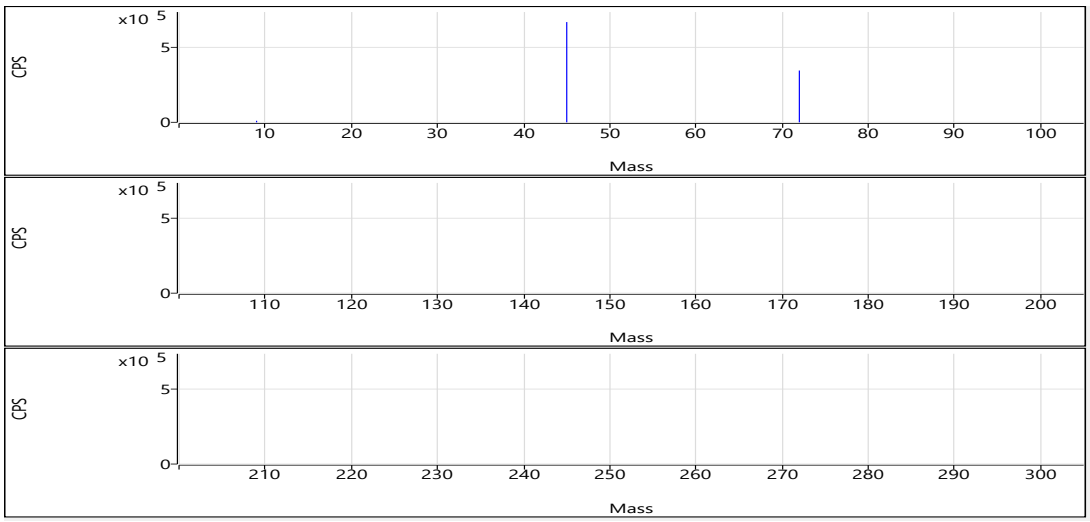
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	50.211	ppb	1.6	10028.74	0.0151	Pulse	0.5000	3
Se	78	72	H2	52.377	ppb	0.7	11197.68	0.0208	Pulse	1.5000	3
Na	23	45	He	5086.673	ppb	1.3	1157462.95	20.1890	Pulse	0.1000	3
Mg	24	45	He	5080.716	ppb	2.1	580477.59	10.1255	Pulse	0.1000	3
Al	27	45	He	5089.959	ppb	1.4	204624.68	3.5692	Pulse	0.1000	3
K	39	45	He	5122.645	ppb	2.5	575751.59	10.0432	Pulse	0.1000	3
Ca	44	45	He	5226.118	ppb	0.6	29834.51	0.5204	Pulse	0.1000	3
Ti	47	45	He	5115.124	ppb	1.5	201921.89	3.5220	Pulse	0.1000	3
V	51	45	He	509.972	ppb	1.5	767383.27	13.3852	Pulse	0.5000	3
Cr	52	72	He	517.105	ppb	0.9	941269.28	10.3551	Pulse	0.1000	3
Mn	55	45	He	511.382	ppb	2.0	457310.42	7.9770	Pulse	0.1000	3
Fe	57	45	He	5038.130	ppb	1.8	181383.70	3.1639	Pulse	0.1000	3
Co	59	72	He	515.747	ppb	1.2	1675677.58	18.4348	Pulse	0.1000	3
Ni	60	115	He	499.929	ppb	1.2	461640.75	5.8292	Pulse	0.1000	3
Cu	63	115	He	499.833	ppb	1.7	1271764.67	16.0593	Pulse	0.1000	3
Zn	66	72	He	517.260	ppb	0.8	151910.85	1.6711	Pulse	0.1000	3
As	75	72	He	519.566	ppb	0.4	118500.52	1.3036	Pulse	0.5000	3
Sr	88	72	He	50.815	ppb	1.7	61436.97	0.6759	Pulse	0.1000	3
Mo	98	72	He	52.408	ppb	0.7	97908.29	1.0771	Pulse	0.1000	3
Ag	107	115	He	50.574	ppb	1.4	185673.43	2.3445	Pulse	0.1000	3
Cd	111	115	He	50.138	ppb	1.4	23197.15	0.2929	Pulse	0.5000	3
Sn	120	115	He	50.542	ppb	2.0	81150.21	1.0245	Pulse	0.1000	3
Sb	121	115	He	50.828	ppb	1.2	68642.29	0.8668	Pulse	0.1000	3
Ba	137	115	He	507.797	ppb	0.5	250559.29	3.1635	Pulse	0.1000	3
Tl	205	209	He	50.896	ppb	1.4	297488.73	2.0651	Pulse	0.1000	3
Pb	208	209	He	50.451	ppb	1.2	392777.16	2.7265	Pulse	0.1000	3
U	238	209	He	49.754	ppb	0.7	375523.87	2.6066	Pulse	0.1000	3

ISTD Table:

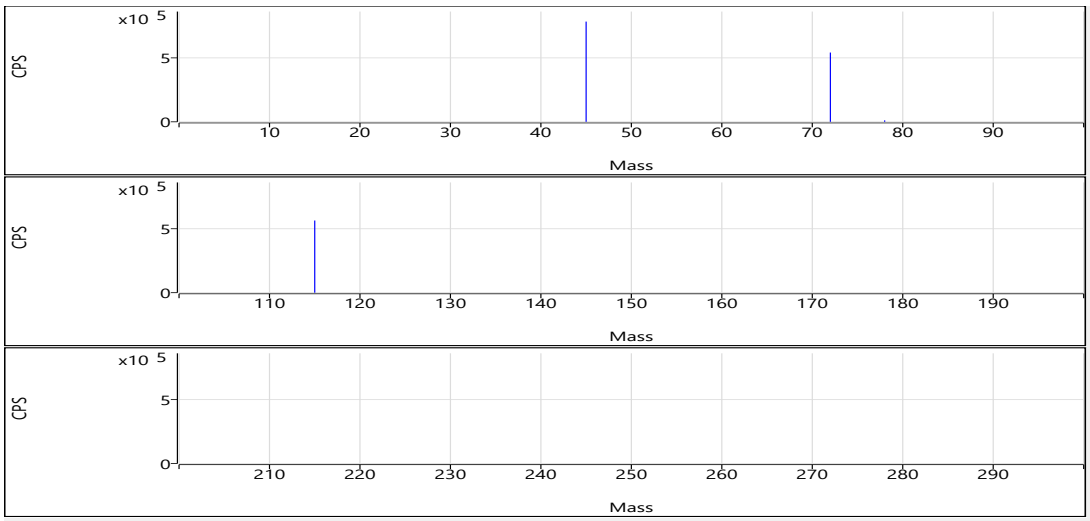
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	665316.06	0.8	97.3	Pulse	0.1000	3
No Gas	Ge	72	343686.43	0.7	95.0	Pulse	0.1000	3
H2	Sc	45	780253.45	0.6	100.9	Pulse	0.1000	3
H2	Ge	72	539253.64	0.4	99.1	Pulse	0.1000	3
H2	In	115	561832.65	0.9	101.9	Pulse	0.1000	3
He	Sc	45	57336.17	1.0	102.7	Pulse	0.1000	3
He	Ge	72	90903.51	1.0	101.8	Pulse	0.1000	3
He	In	115	79201.51	1.1	104.3	Pulse	0.1000	3
He	Tb	159	232855.01	1.2	105.9	Pulse	0.1000	3
He	Bi	209	144067.99	0.7	104.6	Pulse	0.1000	3

No Gas

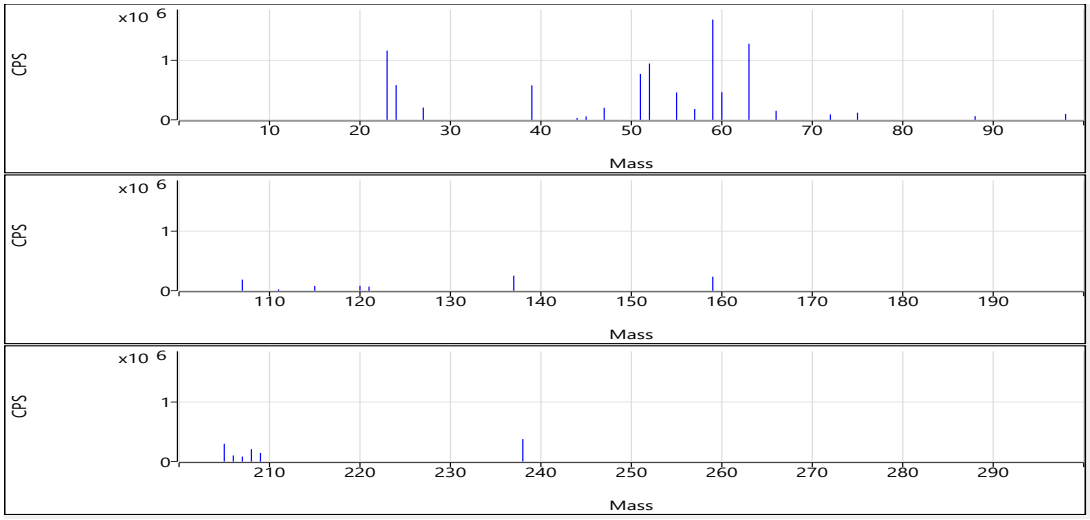


H2



Quantitation Report

He



Quantitation Report

Data File Name	134_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:26:55
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

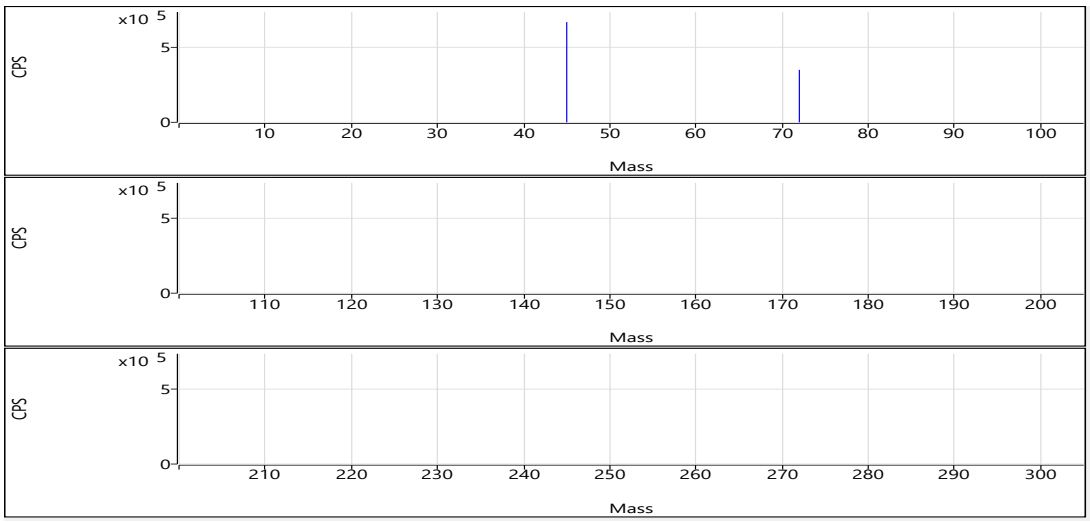
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.008	ppb	N/A	21.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.148	ppb	2.9	39.11	0.0001	Pulse	1.5000	3
Na	23	45	He	9.293	ppb	18.4	17036.93	0.3034	Pulse	0.1000	3
Mg	24	45	He	29.280	ppb	9.2	3880.63	0.0691	Pulse	0.1000	3
Al	27	45	He	3.112	ppb	59.5	270.01	0.0048	Pulse	0.1000	3
K	39	45	He	19.675	ppb	91.9	30789.56	0.5481	Pulse	0.1000	3
Ca	44	45	He	74.841	ppb	15.6	666.70	0.0119	Pulse	0.1000	3
Ti	47	45	He	1.809	ppb	21.5	73.33	0.0013	Pulse	0.1000	3
V	51	45	He	0.369	ppb	7.3	1486.75	0.0265	Pulse	0.5000	3
Cr	52	72	He	0.239	ppb	18.8	2396.95	0.0271	Pulse	0.1000	3
Mn	55	45	He	1.319	ppb	14.0	1410.12	0.0251	Pulse	0.1000	3
Fe	57	45	He	6.011	ppb	25.9	453.36	0.0081	Pulse	0.1000	3
Co	59	72	He	0.303	ppb	3.4	1140.08	0.0129	Pulse	0.1000	3
Ni	60	115	He	0.099	ppb	164.1	1220.10	0.0159	Pulse	0.1000	3
Cu	63	115	He	0.285	ppb	10.6	953.39	0.0124	Pulse	0.1000	3
Zn	66	72	He	0.530	ppb	20.2	240.01	0.0027	Pulse	0.1000	3
As	75	72	He	0.520	ppb	12.7	173.33	0.0020	Pulse	0.5000	3
Sr	88	72	He	0.131	ppb	17.1	446.69	0.0051	Pulse	0.1000	3
Mo	98	72	He	0.088	ppb	32.7	213.34	0.0024	Pulse	0.1000	3
Ag	107	115	He	0.013	ppb	101.3	80.00	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.034	ppb	60.5	17.33	0.0002	Pulse	0.5000	3
Sn	120	115	He	0.055	ppb	297.9	4447.54	0.0578	Pulse	0.1000	3
Sb	121	115	He	0.127	ppb	21.6	190.01	0.0025	Pulse	0.1000	3
Ba	137	115	He	0.533	ppb	28.2	350.02	0.0045	Pulse	0.1000	3
Tl	205	209	He	0.074	ppb	19.5	500.03	0.0035	Pulse	0.1000	3
Pb	208	209	He	0.023	ppb	33.8	480.02	0.0034	Pulse	0.1000	3
U	238	209	He	0.040	ppb	22.8	420.02	0.0030	Pulse	0.1000	3

ISTD Table:

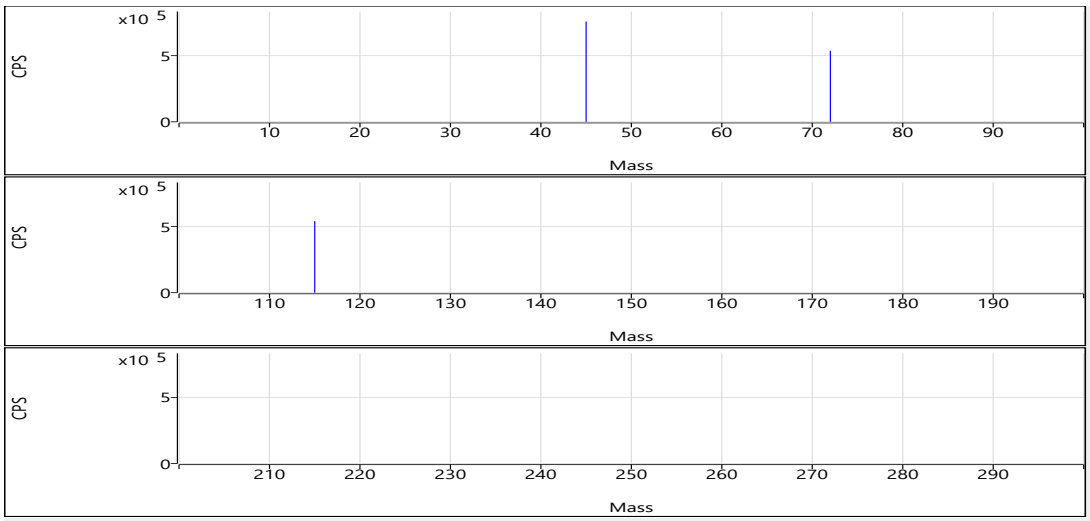
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	669256.71	0.2	97.9	Pulse	0.1000	3
No Gas	Ge	72	350418.27	0.6	96.9	Pulse	0.1000	3
H2	Sc	45	759562.05	2.1	98.2	Pulse	0.1000	3
H2	Ge	72	538519.73	1.5	99.0	Pulse	0.1000	3
H2	In	115	542207.77	1.0	98.3	Pulse	0.1000	3
He	Sc	45	56164.61	0.4	100.6	Pulse	0.1000	3
He	Ge	72	88474.87	2.0	99.1	Pulse	0.1000	3
He	In	115	77001.04	2.4	101.4	Pulse	0.1000	3
He	Tb	159	224639.54	2.5	102.2	Pulse	0.1000	3
He	Bi	209	142100.87	1.1	103.1	Pulse	0.1000	3

No Gas

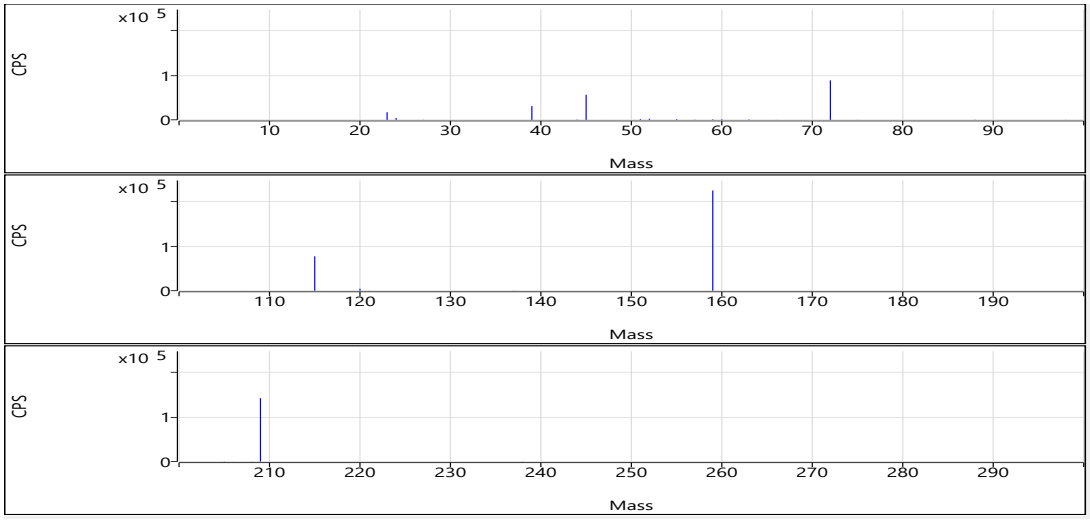


H2



Quantitation Report

He



Quantitation Report

Data File Name	135SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:29:01
Sample Name	410-234898-G-10-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

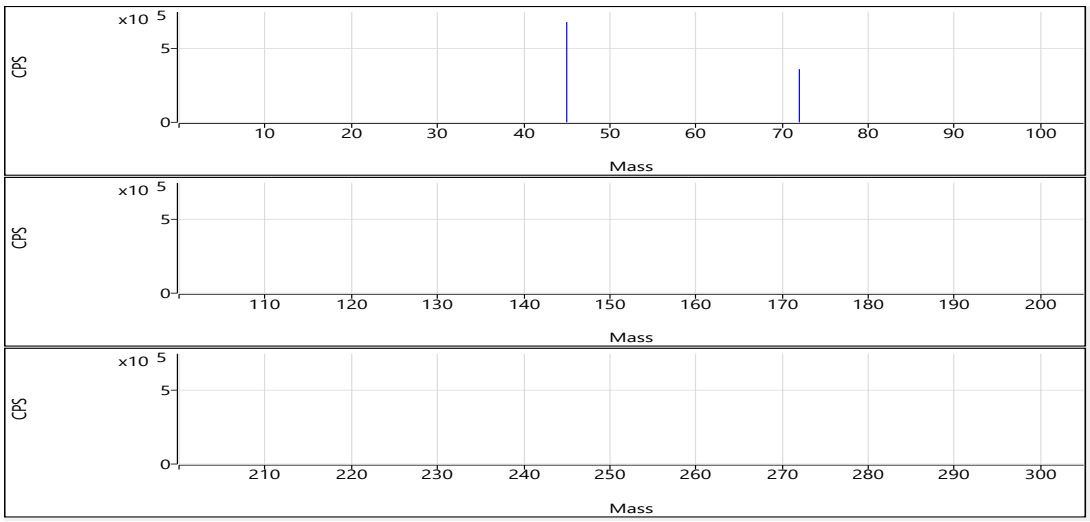
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.032	ppb	N/A	16.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.091	ppb	22.9	28.66	0.0000	Pulse	1.5000	3
Na	23	45	He	553.454	ppb	2.7	142271.16	2.4346	Pulse	0.1000	3
Mg	24	45	He	22537.198	ppb	1.5	2622734.13	44.8779	Pulse	0.1000	3
Al	27	45	He	3.082	ppb	19.0	280.01	0.0048	Pulse	0.1000	3
K	39	45	He	1192.304	ppb	3.0	159536.12	2.7300	Pulse	0.1000	3
Ca	44	45	He	23910.020	ppb	1.3	138199.52	2.3646	Pulse	0.1000	3
Ti	47	45	He	1.320	ppb	20.6	56.67	0.0010	Pulse	0.1000	3
V	51	45	He	0.328	ppb	4.0	1484.75	0.0254	Pulse	0.5000	3
Cr	52	72	He	0.220	ppb	9.6	2490.30	0.0267	Pulse	0.1000	3
Mn	55	45	He	1.784	ppb	11.7	1890.19	0.0324	Pulse	0.1000	3
Fe	57	45	He	18.998	ppb	22.4	946.73	0.0162	Pulse	0.1000	3
Co	59	72	He	0.290	ppb	20.4	1156.76	0.0124	Pulse	0.1000	3
Ni	60	115	He	0.184	ppb	151.8	1333.45	0.0168	Pulse	0.1000	3
Cu	63	115	He	0.318	ppb	11.8	1066.75	0.0135	Pulse	0.1000	3
Zn	66	72	He	1.053	ppb	20.3	410.02	0.0044	Pulse	0.1000	3
As	75	72	He	0.611	ppb	7.3	204.00	0.0022	Pulse	0.5000	3
Sr	88	72	He	42.378	ppb	2.5	52571.46	0.5642	Pulse	0.1000	3
Mo	98	72	He	2.175	ppb	1.9	4217.45	0.0453	Pulse	0.1000	3
Ag	107	115	He	0.024	ppb	20.0	123.34	0.0016	Pulse	0.1000	3
Cd	111	115	He	0.024	ppb	58.2	13.33	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.294	ppb	N/A	4060.75	0.0511	Pulse	0.1000	3
Sb	121	115	He	0.108	ppb	21.5	170.01	0.0021	Pulse	0.1000	3
Ba	137	115	He	110.152	ppb	3.0	54528.37	0.6872	Pulse	0.1000	3
Tl	205	209	He	0.049	ppb	6.0	356.69	0.0025	Pulse	0.1000	3
Pb	208	209	He	0.020	ppb	62.1	453.36	0.0032	Pulse	0.1000	3
U	238	209	He	0.347	ppb	3.0	2713.73	0.0190	Pulse	0.1000	3

ISTD Table:

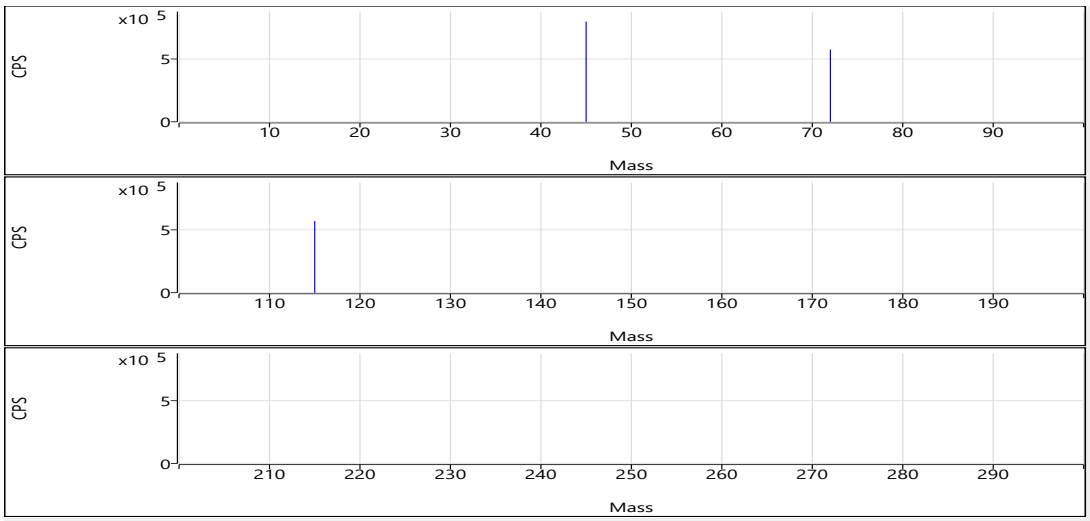
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	681423.87	0.7	99.7	Pulse	0.1000	3
No Gas	Ge	72	361439.08	0.6	99.9	Pulse	0.1000	3
H2	Sc	45	799536.73	1.5	103.4	Pulse	0.1000	3
H2	Ge	72	576519.59	1.2	106.0	Pulse	0.1000	3
H2	In	115	571086.45	0.3	103.5	Pulse	0.1000	3
He	Sc	45	58447.34	1.0	104.7	Pulse	0.1000	3
He	Ge	72	93171.92	0.8	104.3	Pulse	0.1000	3
He	In	115	79384.40	2.3	104.5	Pulse	0.1000	3
He	Tb	159	232993.72	0.5	106.0	Pulse	0.1000	3
He	Bi	209	142528.99	1.7	103.5	Pulse	0.1000	3

No Gas

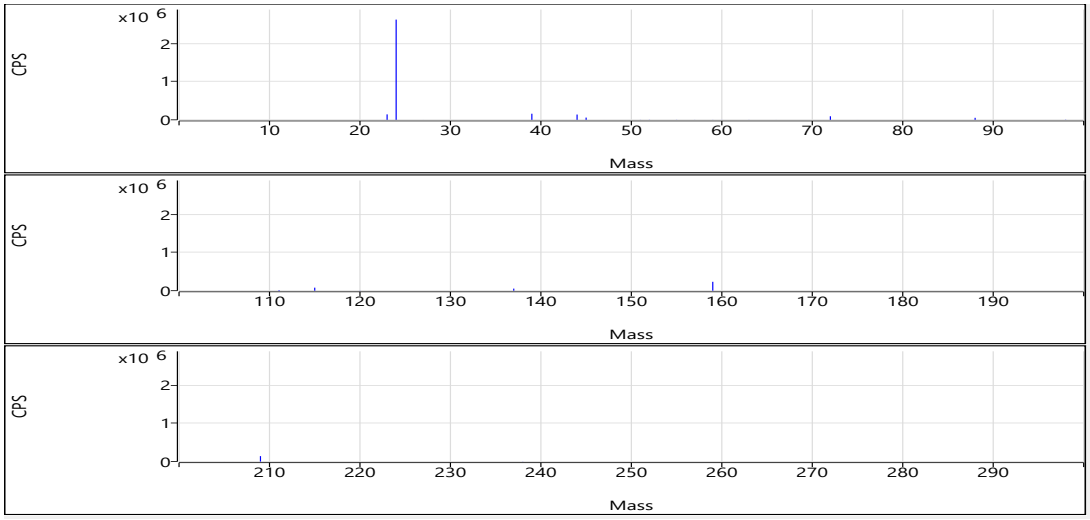


H2



Quantitation Report

He



Quantitation Report

Data File Name	136SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:31:07
Sample Name	410-234898-G-8-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

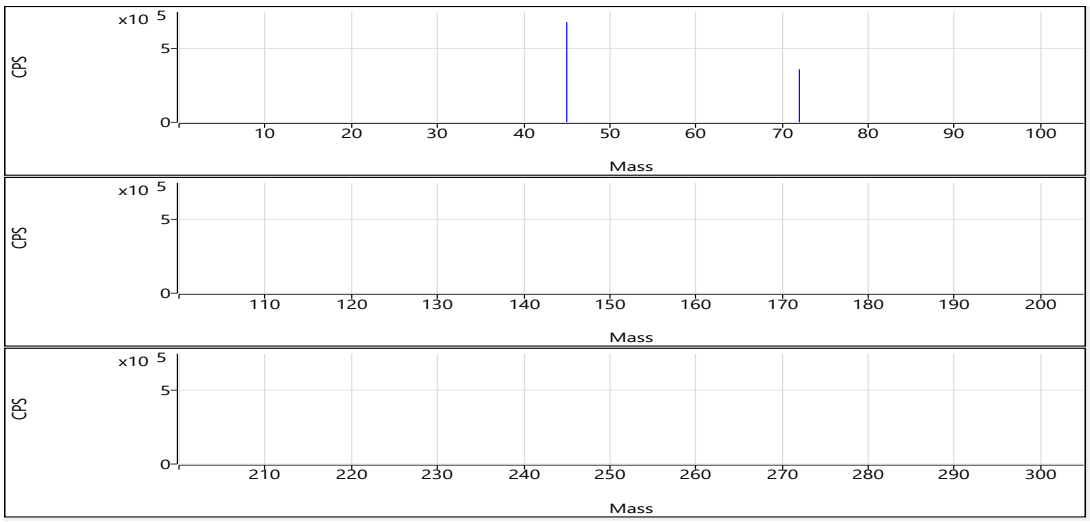
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.026	ppb	N/A	18.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.123	ppb	9.3	35.78	0.0001	Pulse	1.5000	3
Na	23	45	He	553.939	ppb	0.9	141201.67	2.4365	Pulse	0.1000	3
Mg	24	45	He	17695.606	ppb	0.8	2042120.34	35.2393	Pulse	0.1000	3
Al	27	45	He	4.621	ppb	14.7	340.02	0.0059	Pulse	0.1000	3
K	39	45	He	1048.968	ppb	2.2	142716.01	2.4633	Pulse	0.1000	3
Ca	44	45	He	18510.163	ppb	1.2	106142.20	1.8316	Pulse	0.1000	3
Ti	47	45	He	1.237	ppb	100.6	53.33	0.0009	Pulse	0.1000	3
V	51	45	He	0.432	ppb	12.0	1630.77	0.0281	Pulse	0.5000	3
Cr	52	72	He	1.448	ppb	5.0	4797.62	0.0513	Pulse	0.1000	3
Mn	55	45	He	1.191	ppb	8.6	1340.11	0.0231	Pulse	0.1000	3
Fe	57	45	He	11.716	ppb	22.4	673.37	0.0116	Pulse	0.1000	3
Co	59	72	He	0.216	ppb	9.4	913.39	0.0098	Pulse	0.1000	3
Ni	60	115	He	0.086	ppb	5.4	1240.10	0.0157	Pulse	0.1000	3
Cu	63	115	He	0.352	ppb	20.3	1146.76	0.0146	Pulse	0.1000	3
Zn	66	72	He	3.586	ppb	5.8	1176.76	0.0126	Pulse	0.1000	3
As	75	72	He	0.444	ppb	20.3	165.33	0.0018	Pulse	0.5000	3
Sr	88	72	He	25.577	ppb	1.3	31983.18	0.3419	Pulse	0.1000	3
Mo	98	72	He	0.298	ppb	26.6	630.04	0.0067	Pulse	0.1000	3
Ag	107	115	He	0.011	ppb	31.4	76.67	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.052	ppb	33.0	26.00	0.0003	Pulse	0.5000	3
Sn	120	115	He	-0.375	ppb	N/A	3920.71	0.0496	Pulse	0.1000	3
Sb	121	115	He	0.098	ppb	21.2	156.67	0.0020	Pulse	0.1000	3
Ba	137	115	He	732.060	ppb	0.1	360274.84	4.5601	Pulse	0.1000	3
Tl	205	209	He	0.038	ppb	29.6	293.35	0.0021	Pulse	0.1000	3
Pb	208	209	He	0.035	ppb	42.5	570.03	0.0040	Pulse	0.1000	3
U	238	209	He	0.136	ppb	17.4	1143.43	0.0080	Pulse	0.1000	3

ISTD Table:

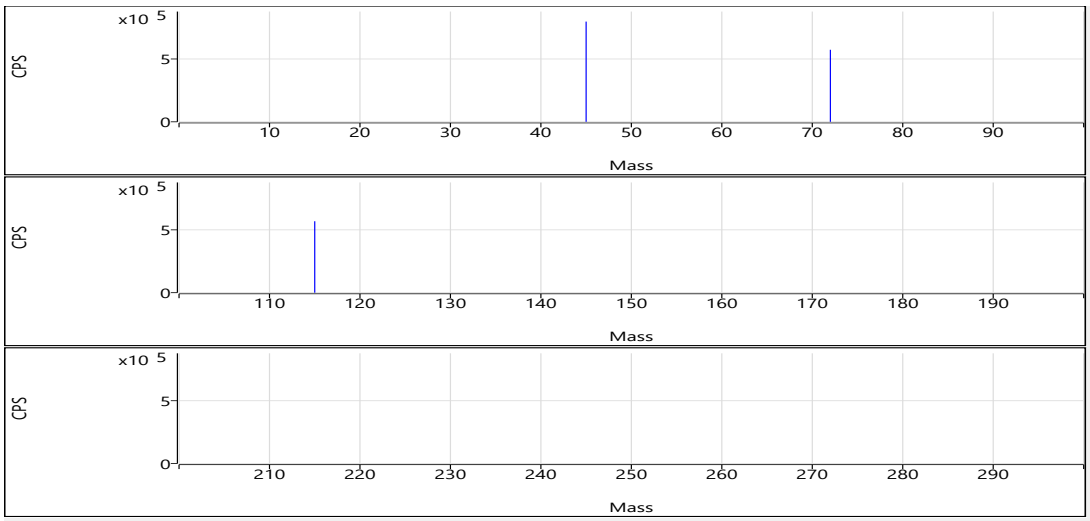
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	679178.79	0.7	99.4	Pulse	0.1000	3
No Gas	Ge	72	359832.83	1.4	99.5	Pulse	0.1000	3
H2	Sc	45	793184.47	1.8	102.5	Pulse	0.1000	3
H2	Ge	72	570141.72	1.7	104.8	Pulse	0.1000	3
H2	In	115	565387.52	0.9	102.5	Pulse	0.1000	3
He	Sc	45	57955.24	2.8	103.8	Pulse	0.1000	3
He	Ge	72	93557.03	1.5	104.8	Pulse	0.1000	3
He	In	115	79006.67	3.1	104.0	Pulse	0.1000	3
He	Tb	159	232977.24	2.8	106.0	Pulse	0.1000	3
He	Bi	209	142849.23	1.8	103.7	Pulse	0.1000	3

No Gas

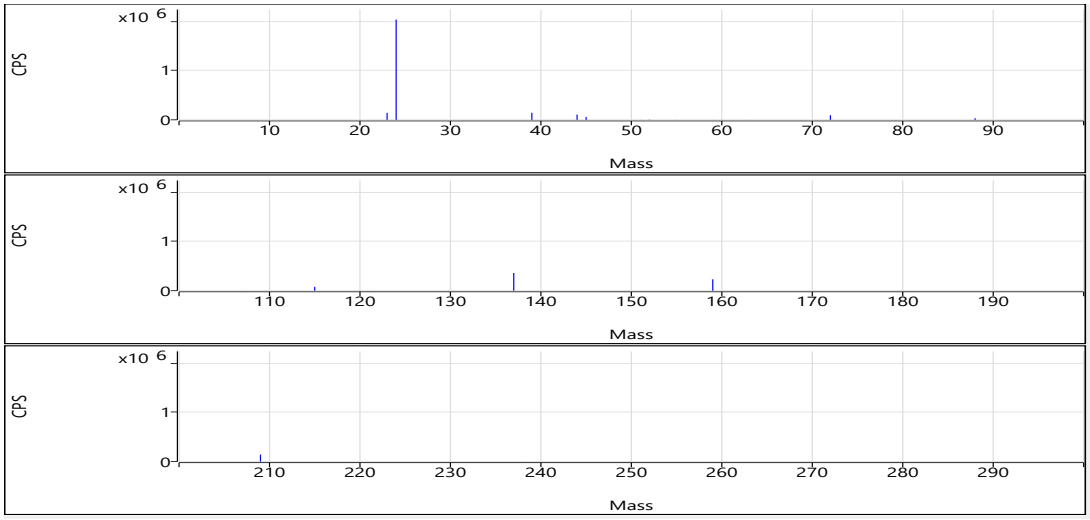


H2



Quantitation Report

He



Quantitation Report

Data File Name	137SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:33:13
Sample Name	410-234898-K-6-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

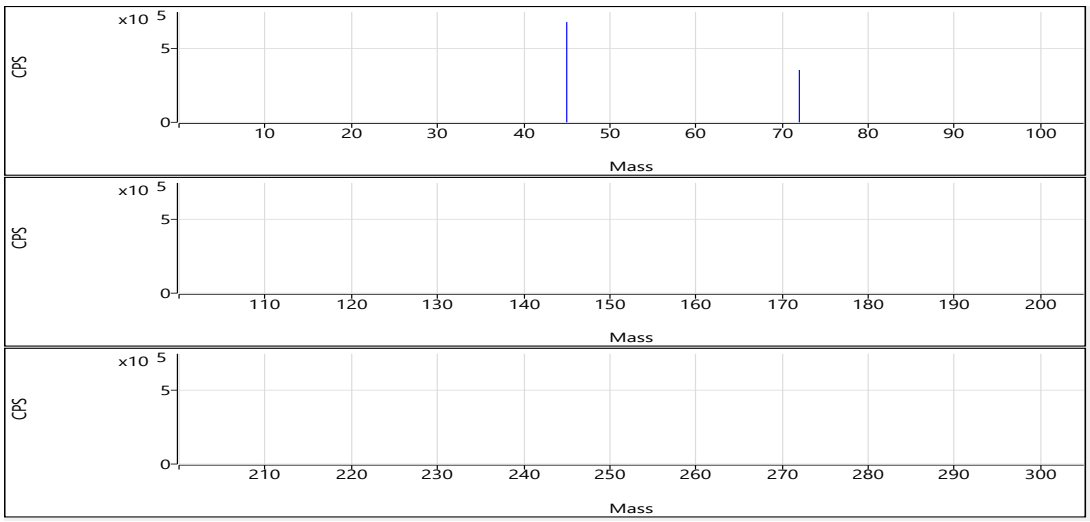
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.006	ppb	N/A	22.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.160	ppb	12.9	43.78	0.0001	Pulse	1.5000	3
Na	23	45	He	2461.239	ppb	3.0	578137.30	9.9065	Pulse	0.1000	3
Mg	24	45	He	23076.032	ppb	2.8	2681728.09	45.9506	Pulse	0.1000	3
Al	27	45	He	2.773	ppb	17.5	266.68	0.0046	Pulse	0.1000	3
K	39	45	He	3873.745	ppb	3.2	450494.80	7.7194	Pulse	0.1000	3
Ca	44	45	He	47521.794	ppb	3.2	274008.10	4.6954	Pulse	0.1000	3
Ti	47	45	He	1.409	ppb	64.6	60.00	0.0010	Pulse	0.1000	3
V	51	45	He	0.346	ppb	7.4	1510.09	0.0259	Pulse	0.5000	3
Cr	52	72	He	1.525	ppb	11.1	4874.33	0.0528	Pulse	0.1000	3
Mn	55	45	He	251.894	ppb	2.9	229447.08	3.9316	Pulse	0.1000	3
Fe	57	45	He	121.063	ppb	5.3	4680.92	0.0802	Pulse	0.1000	3
Co	59	72	He	0.438	ppb	8.4	1633.49	0.0177	Pulse	0.1000	3
Ni	60	115	He	0.381	ppb	54.5	1516.80	0.0191	Pulse	0.1000	3
Cu	63	115	He	0.648	ppb	12.1	1910.19	0.0241	Pulse	0.1000	3
Zn	66	72	He	2.407	ppb	20.2	810.05	0.0088	Pulse	0.1000	3
As	75	72	He	0.616	ppb	25.6	203.33	0.0022	Pulse	0.5000	3
Sr	88	72	He	164.896	ppb	0.9	201815.16	2.1859	Pulse	0.1000	3
Mo	98	72	He	0.092	ppb	5.8	230.01	0.0025	Pulse	0.1000	3
Ag	107	115	He	0.038	ppb	44.4	173.34	0.0022	Pulse	0.1000	3
Cd	111	115	He	0.044	ppb	24.5	22.67	0.0003	Pulse	0.5000	3
Sn	120	115	He	1.136	ppb	8.0	6228.31	0.0785	Pulse	0.1000	3
Sb	121	115	He	0.152	ppb	16.7	230.01	0.0029	Pulse	0.1000	3
Ba	137	115	He	99.120	ppb	1.2	49064.83	0.6185	Pulse	0.1000	3
Tl	205	209	He	0.052	ppb	8.0	380.02	0.0026	Pulse	0.1000	3
Pb	208	209	He	0.070	ppb	13.5	853.38	0.0059	Pulse	0.1000	3
U	238	209	He	0.125	ppb	14.4	1070.09	0.0074	Pulse	0.1000	3

ISTD Table:

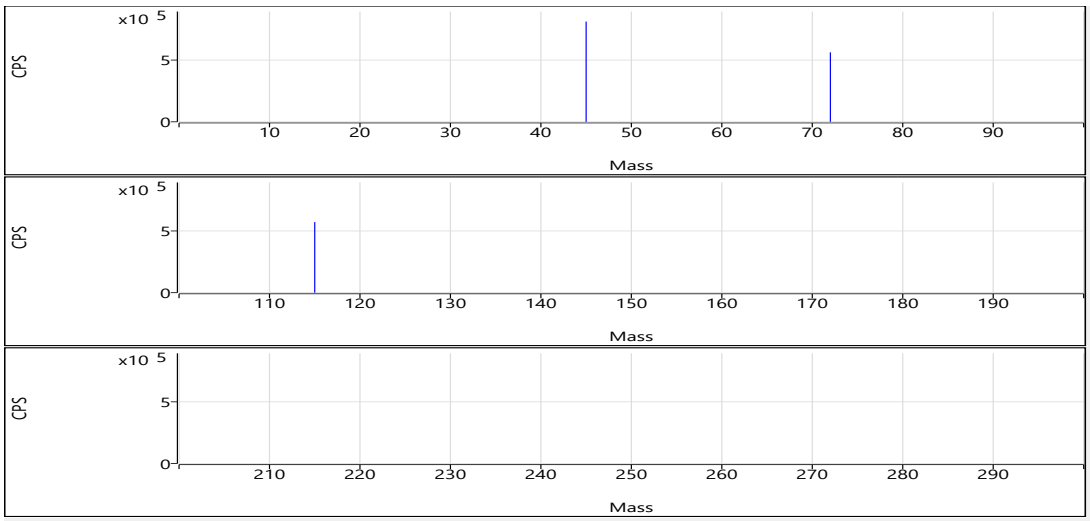
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	681252.72	0.3	99.7	Pulse	0.1000	3
No Gas	Ge	72	355470.40	0.3	98.3	Pulse	0.1000	3
H2	Sc	45	816403.79	0.4	105.5	Pulse	0.1000	3
H2	Ge	72	565825.50	0.8	104.0	Pulse	0.1000	3
H2	In	115	574994.94	1.1	104.3	Pulse	0.1000	3
He	Sc	45	58384.24	2.2	104.6	Pulse	0.1000	3
He	Ge	72	92325.39	0.6	103.4	Pulse	0.1000	3
He	In	115	79330.29	0.4	104.5	Pulse	0.1000	3
He	Tb	159	232563.43	0.1	105.8	Pulse	0.1000	3
He	Bi	209	144465.53	0.7	104.9	Pulse	0.1000	3

No Gas

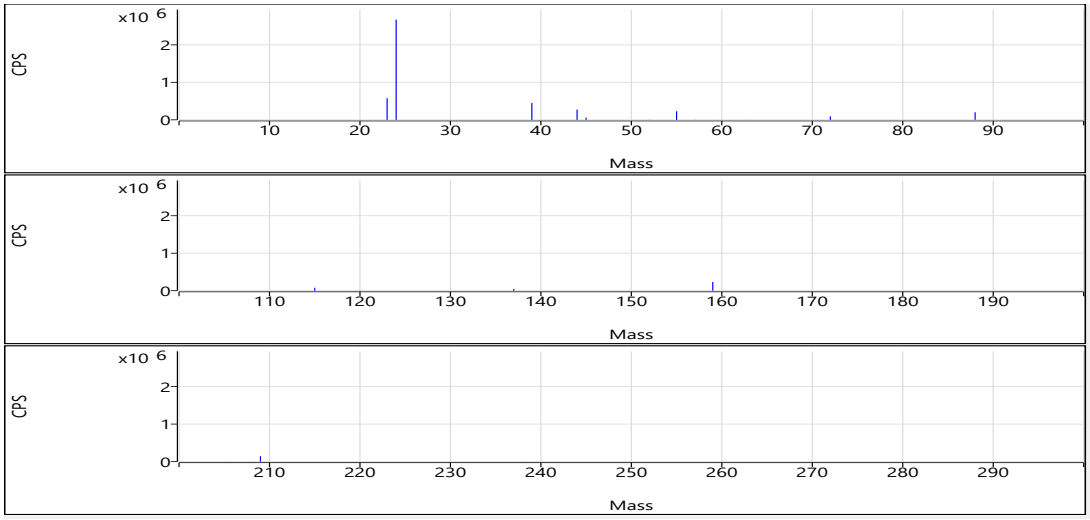


H2



Quantitation Report

He



Quantitation Report

Data File Name	138SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:35:19
Sample Name	410-234898-G-7-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

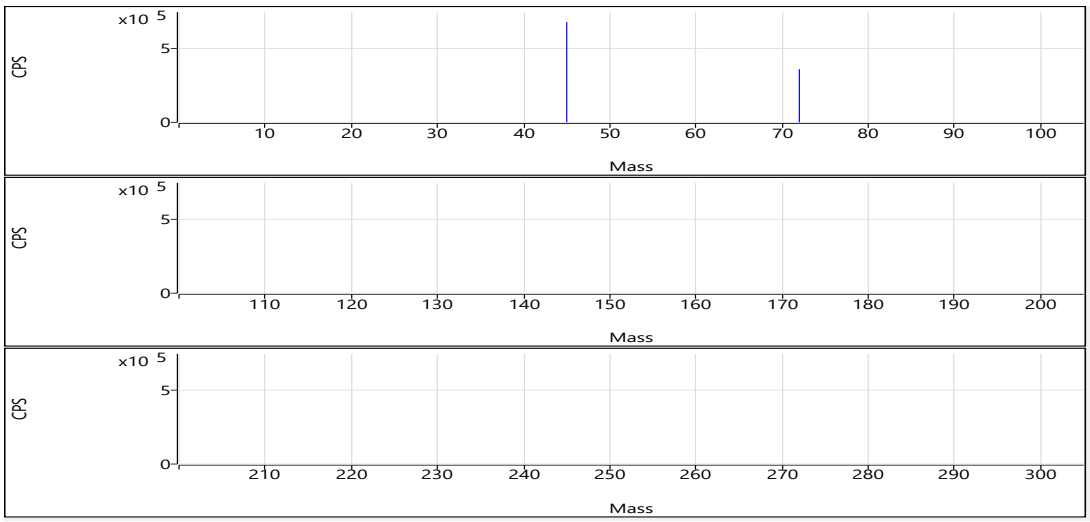
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.052	ppb	N/A	12.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.177	ppb	11.7	47.33	0.0001	Pulse	1.5000	3
Na	23	45	He	6429.094	ppb	1.5	1498071.44	25.4467	Pulse	0.1000	3
Mg	24	45	He	22432.830	ppb	1.5	2629708.19	44.6701	Pulse	0.1000	3
Al	27	45	He	1.668	ppb	62.4	223.34	0.0038	Pulse	0.1000	3
K	39	45	He	3553.679	ppb	2.0	419390.44	7.1238	Pulse	0.1000	3
Ca	44	45	He	81314.397	ppb	1.3	472814.91	8.0311	Pulse	0.1000	3
Ti	47	45	He	0.993	ppb	61.1	43.33	0.0007	Pulse	0.1000	3
V	51	45	He	0.301	ppb	13.8	1454.08	0.0247	Pulse	0.5000	3
Cr	52	72	He	0.857	ppb	8.2	3627.25	0.0395	Pulse	0.1000	3
Mn	55	45	He	1.351	ppb	12.9	1510.13	0.0256	Pulse	0.1000	3
Fe	57	45	He	14.004	ppb	19.0	770.05	0.0131	Pulse	0.1000	3
Co	59	72	He	0.162	ppb	6.7	720.05	0.0078	Pulse	0.1000	3
Ni	60	115	He	0.459	ppb	41.4	1563.48	0.0200	Pulse	0.1000	3
Cu	63	115	He	0.314	ppb	11.0	1043.40	0.0133	Pulse	0.1000	3
Zn	66	72	He	1.384	ppb	23.0	503.36	0.0055	Pulse	0.1000	3
As	75	72	He	0.437	ppb	11.3	161.33	0.0018	Pulse	0.5000	3
Sr	88	72	He	46.713	ppb	1.1	57169.49	0.6216	Pulse	0.1000	3
Mo	98	72	He	0.290	ppb	8.3	603.37	0.0066	Pulse	0.1000	3
Ag	107	115	He	0.015	ppb	36.5	90.00	0.0012	Pulse	0.1000	3
Cd	111	115	He	0.061	ppb	14.4	30.00	0.0004	Pulse	0.5000	3
Sn	120	115	He	-0.336	ppb	N/A	3934.06	0.0503	Pulse	0.1000	3
Sb	121	115	He	0.082	ppb	9.7	133.34	0.0017	Pulse	0.1000	3
Ba	137	115	He	235.746	ppb	1.0	114792.03	1.4693	Pulse	0.1000	3
Tl	205	209	He	0.034	ppb	31.4	266.68	0.0019	Pulse	0.1000	3
Pb	208	209	He	0.018	ppb	46.7	440.02	0.0031	Pulse	0.1000	3
U	238	209	He	0.317	ppb	10.2	2476.99	0.0175	Pulse	0.1000	3

ISTD Table:

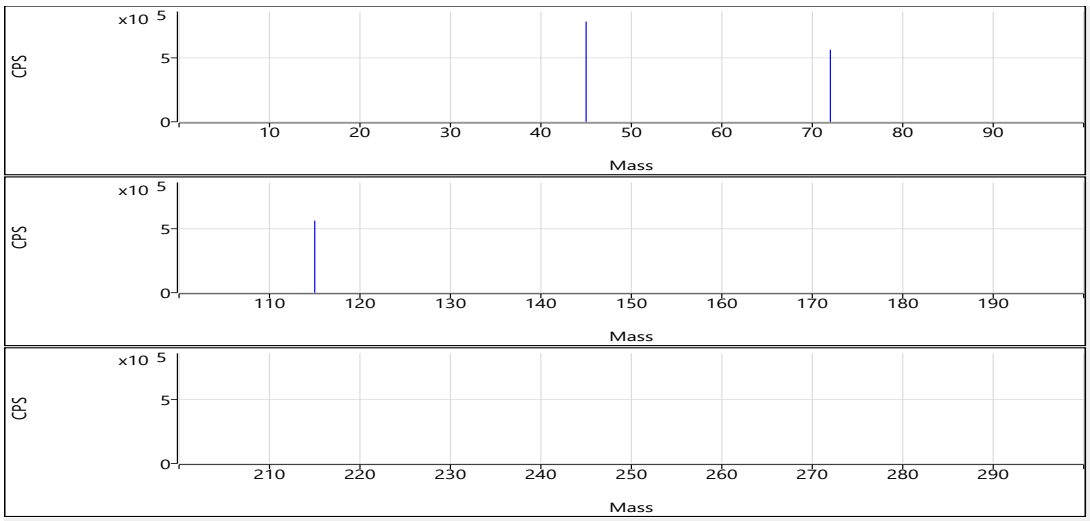
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	677439.70	0.4	99.1	Pulse	0.1000	3
No Gas	Ge	72	359135.40	0.3	99.3	Pulse	0.1000	3
H2	Sc	45	782200.12	0.8	101.1	Pulse	0.1000	3
H2	Ge	72	562431.08	0.5	103.4	Pulse	0.1000	3
H2	In	115	561653.00	0.3	101.8	Pulse	0.1000	3
He	Sc	45	58886.11	2.9	105.5	Pulse	0.1000	3
He	Ge	72	91960.20	1.3	103.0	Pulse	0.1000	3
He	In	115	78127.84	2.0	102.9	Pulse	0.1000	3
He	Tb	159	228463.16	2.4	103.9	Pulse	0.1000	3
He	Bi	209	142039.62	2.2	103.1	Pulse	0.1000	3

No Gas

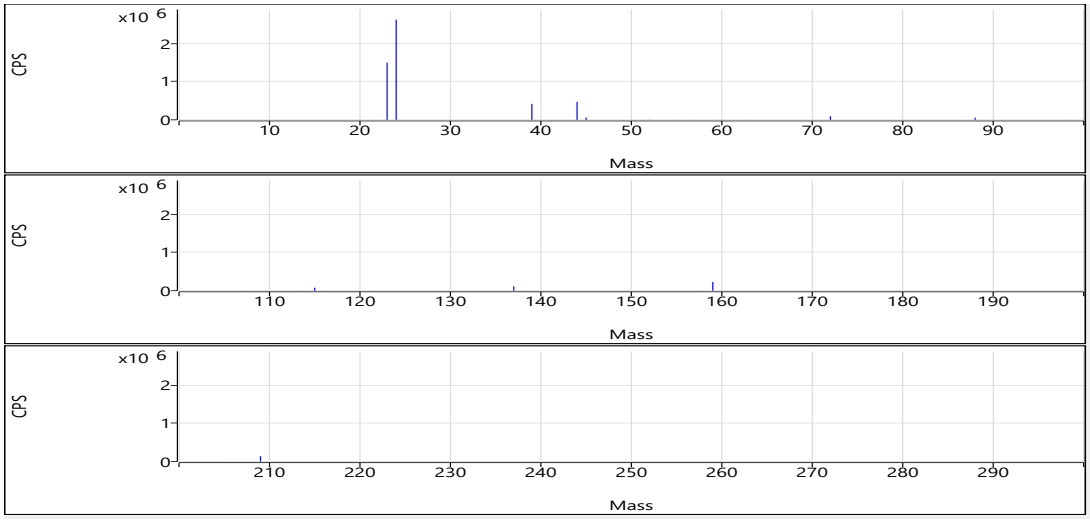


H2



Quantitation Report

He



Quantitation Report

Data File Name	139SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:37:25
Sample Name	410-234898-K-5-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

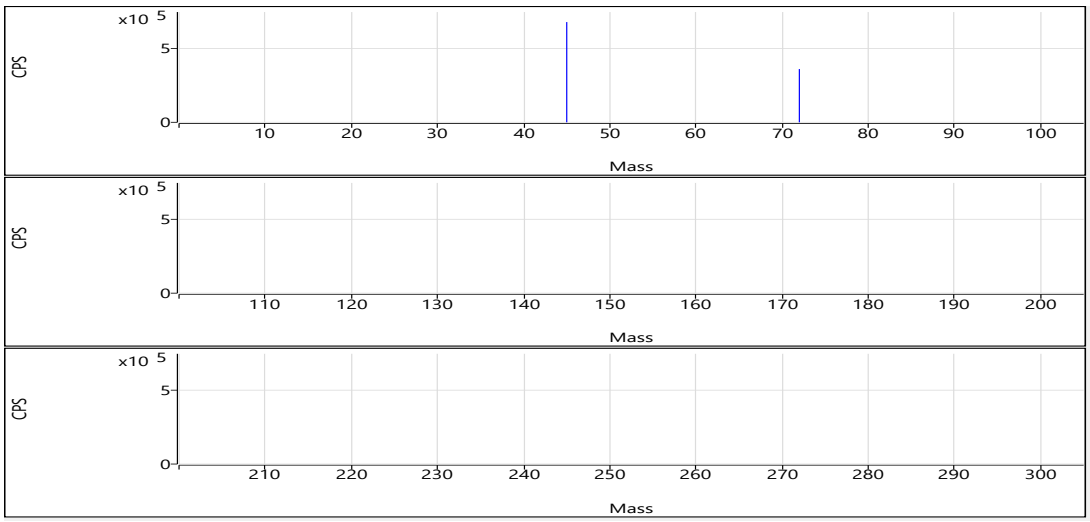
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.022	ppb	N/A	18.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.075	ppb	8.2	25.11	0.0000	Pulse	1.5000	3
Na	23	45	He	7580.483	ppb	1.3	1740183.26	29.9561	Pulse	0.1000	3
Mg	24	45	He	36179.754	ppb	1.2	4184734.94	72.0375	Pulse	0.1000	3
Al	27	45	He	0.347	ppb	410.0	166.67	0.0029	Pulse	0.1000	3
K	39	45	He	2721.176	ppb	2.4	323825.49	5.5748	Pulse	0.1000	3
Ca	44	45	He	96174.128	ppb	1.7	551727.44	9.4979	Pulse	0.1000	3
Ti	47	45	He	1.406	ppb	97.6	60.00	0.0010	Pulse	0.1000	3
V	51	45	He	0.257	ppb	22.8	1367.41	0.0235	Pulse	0.5000	3
Cr	52	72	He	0.121	ppb	41.5	2296.93	0.0247	Pulse	0.1000	3
Mn	55	45	He	2736.195	ppb	0.5	2478404.55	42.6621	Pulse	0.1000	3
Fe	57	45	He	7981.125	ppb	0.7	291021.29	5.0096	Pulse	0.1000	3
Co	59	72	He	13.196	ppb	0.3	43960.81	0.4737	Pulse	0.1000	3
Ni	60	115	He	10.765	ppb	2.3	11104.61	0.1399	Pulse	0.1000	3
Cu	63	115	He	0.316	ppb	13.1	1063.41	0.0134	Pulse	0.1000	3
Zn	66	72	He	7.400	ppb	6.5	2310.27	0.0249	Pulse	0.1000	3
As	75	72	He	5.292	ppb	3.3	1292.73	0.0139	Pulse	0.5000	3
Sr	88	72	He	92.088	ppb	1.9	113423.46	1.2222	Pulse	0.1000	3
Mo	98	72	He	0.628	ppb	10.2	1253.43	0.0135	Pulse	0.1000	3
Ag	107	115	He	0.015	ppb	1.4	90.00	0.0011	Pulse	0.1000	3
Cd	111	115	He	0.024	ppb	9.6	13.33	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.365	ppb	N/A	3950.73	0.0498	Pulse	0.1000	3
Sb	121	115	He	0.083	ppb	28.1	136.68	0.0017	Pulse	0.1000	3
Ba	137	115	He	383.159	ppb	1.0	189477.78	2.3873	Pulse	0.1000	3
Tl	205	209	He	0.074	ppb	2.4	510.03	0.0035	Pulse	0.1000	3
Pb	208	209	He	0.017	ppb	42.0	440.01	0.0030	Pulse	0.1000	3
U	238	209	He	0.577	ppb	3.5	4524.28	0.0311	Pulse	0.1000	3

ISTD Table:

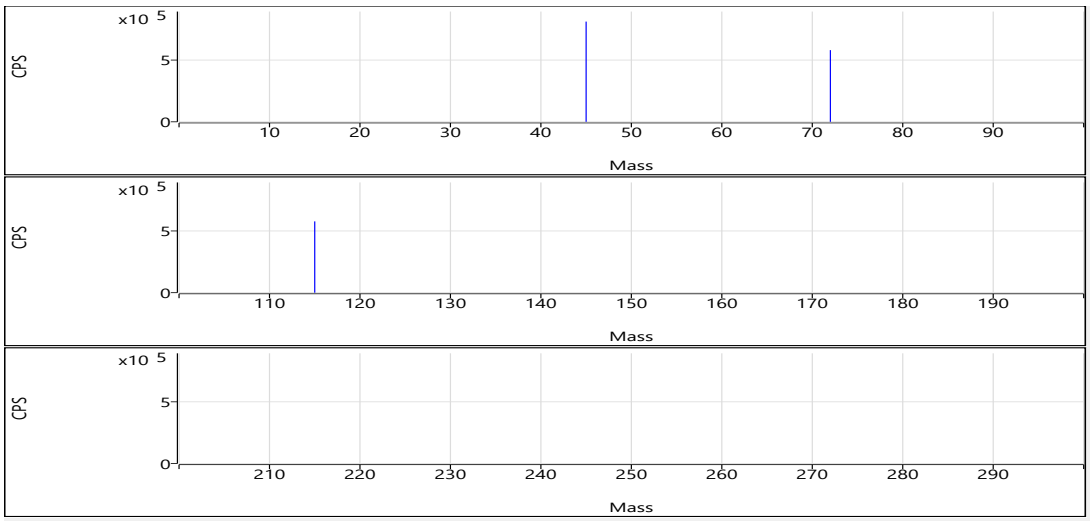
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	679873.45	0.2	99.5	Pulse	0.1000	3
No Gas	Ge	72	361105.20	0.4	99.8	Pulse	0.1000	3
H2	Sc	45	807640.04	0.1	104.4	Pulse	0.1000	3
H2	Ge	72	577678.60	0.5	106.2	Pulse	0.1000	3
H2	In	115	574628.83	0.3	104.2	Pulse	0.1000	3
He	Sc	45	58095.73	1.0	104.1	Pulse	0.1000	3
He	Ge	72	92809.08	0.7	103.9	Pulse	0.1000	3
He	In	115	79371.67	0.8	104.5	Pulse	0.1000	3
He	Tb	159	233424.49	1.4	106.2	Pulse	0.1000	3
He	Bi	209	145641.86	0.2	105.7	Pulse	0.1000	3

No Gas

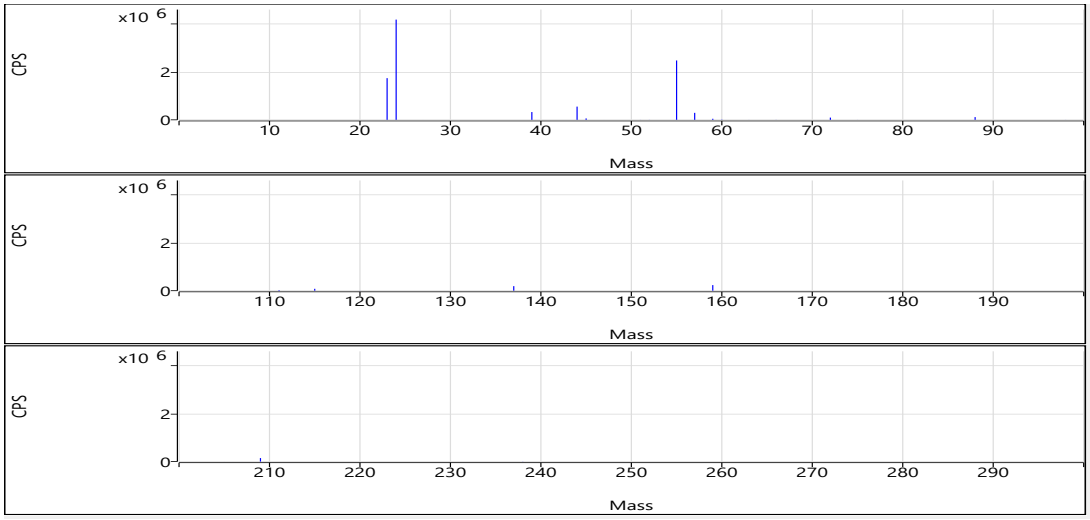


H2



Quantitation Report

He



Quantitation Report

Data File Name	140SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:39:30
Sample Name	410-234898-G-11-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

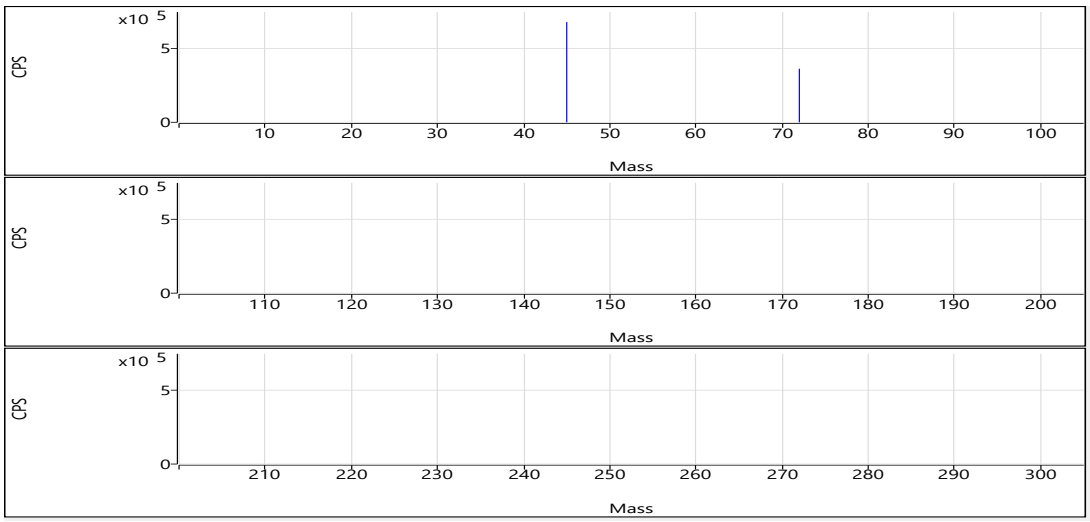
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.048	ppb	N/A	13.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.262	ppb	10.4	67.78	0.0001	Pulse	1.5000	3
Na	23	45	He	6220.957	ppb	1.3	1391857.32	24.6315	Pulse	0.1000	3
Mg	24	45	He	25696.402	ppb	1.6	2891076.21	51.1673	Pulse	0.1000	3
Al	27	45	He	195.853	ppb	5.4	7895.76	0.1399	Pulse	0.1000	3
K	39	45	He	2581.356	ppb	2.1	300263.68	5.3146	Pulse	0.1000	3
Ca	44	45	He	73763.047	ppb	1.8	411639.53	7.2857	Pulse	0.1000	3
Ti	47	45	He	5.760	ppb	20.5	226.68	0.0040	Pulse	0.1000	3
V	51	45	He	1.059	ppb	4.3	2519.57	0.0446	Pulse	0.5000	3
Cr	52	72	He	0.880	ppb	14.5	3640.60	0.0399	Pulse	0.1000	3
Mn	55	45	He	37.561	ppb	1.0	33348.92	0.5901	Pulse	0.1000	3
Fe	57	45	He	717.556	ppb	1.0	25673.31	0.4543	Pulse	0.1000	3
Co	59	72	He	0.245	ppb	2.5	986.73	0.0108	Pulse	0.1000	3
Ni	60	115	He	0.236	ppb	64.9	1346.78	0.0174	Pulse	0.1000	3
Cu	63	115	He	0.445	ppb	5.7	1353.44	0.0175	Pulse	0.1000	3
Zn	66	72	He	2.647	ppb	18.9	870.06	0.0096	Pulse	0.1000	3
As	75	72	He	0.568	ppb	6.5	190.00	0.0021	Pulse	0.5000	3
Sr	88	72	He	67.137	ppb	2.2	81413.26	0.8920	Pulse	0.1000	3
Mo	98	72	He	0.402	ppb	8.6	810.06	0.0089	Pulse	0.1000	3
Ag	107	115	He	0.011	ppb	29.9	73.33	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.023	ppb	38.1	12.67	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.617	ppb	N/A	3470.57	0.0449	Pulse	0.1000	3
Sb	121	115	He	0.070	ppb	50.3	116.67	0.0015	Pulse	0.1000	3
Ba	137	115	He	217.967	ppb	2.3	104863.88	1.3586	Pulse	0.1000	3
Tl	205	209	He	0.034	ppb	4.5	263.35	0.0019	Pulse	0.1000	3
Pb	208	209	He	0.254	ppb	6.2	2193.49	0.0159	Pulse	0.1000	3
U	238	209	He	0.509	ppb	3.8	3810.69	0.0275	Pulse	0.1000	3

ISTD Table:

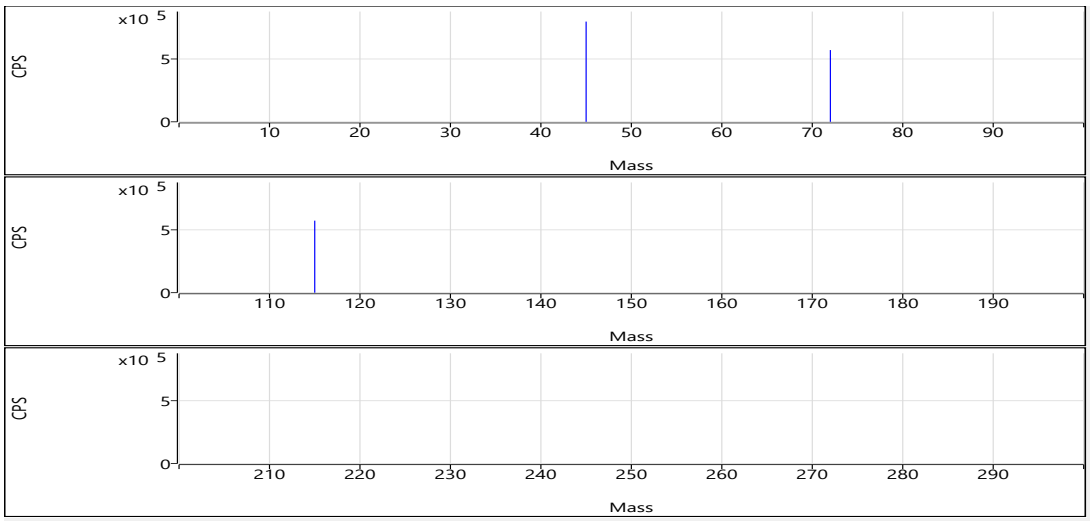
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	676349.44	0.8	98.9	Pulse	0.1000	3
No Gas	Ge	72	361435.35	1.1	99.9	Pulse	0.1000	3
H2	Sc	45	804135.27	1.5	104.0	Pulse	0.1000	3
H2	Ge	72	575661.06	0.4	105.8	Pulse	0.1000	3
H2	In	115	577921.89	0.9	104.8	Pulse	0.1000	3
He	Sc	45	56523.13	3.5	101.3	Pulse	0.1000	3
He	Ge	72	91309.25	3.1	102.2	Pulse	0.1000	3
He	In	115	77179.27	1.7	101.6	Pulse	0.1000	3
He	Tb	159	225359.52	2.4	102.5	Pulse	0.1000	3
He	Bi	209	138461.73	1.9	100.5	Pulse	0.1000	3

No Gas

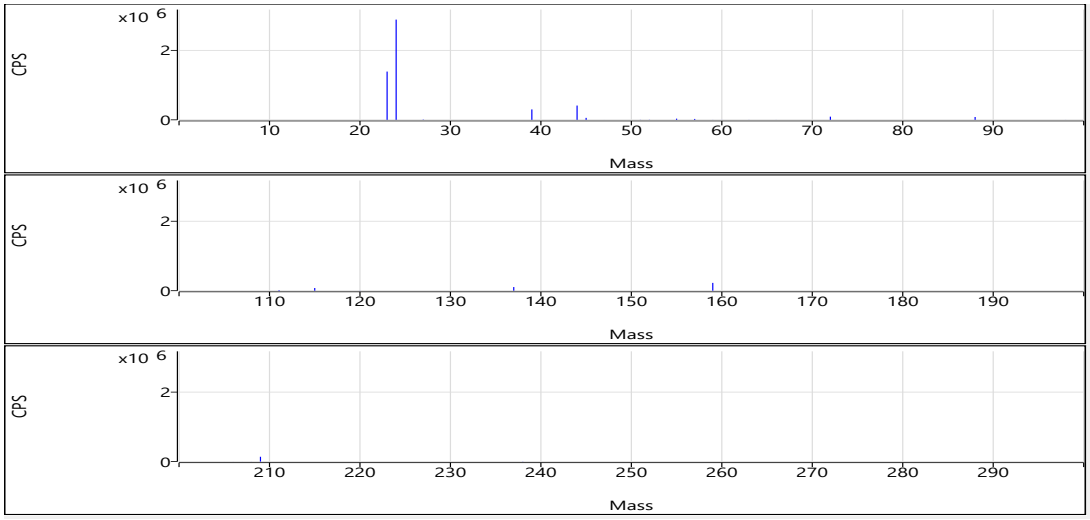


H2



Quantitation Report

He



Quantitation Report

Data File Name	141SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:41:35
Sample Name	410-235003-G-9-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

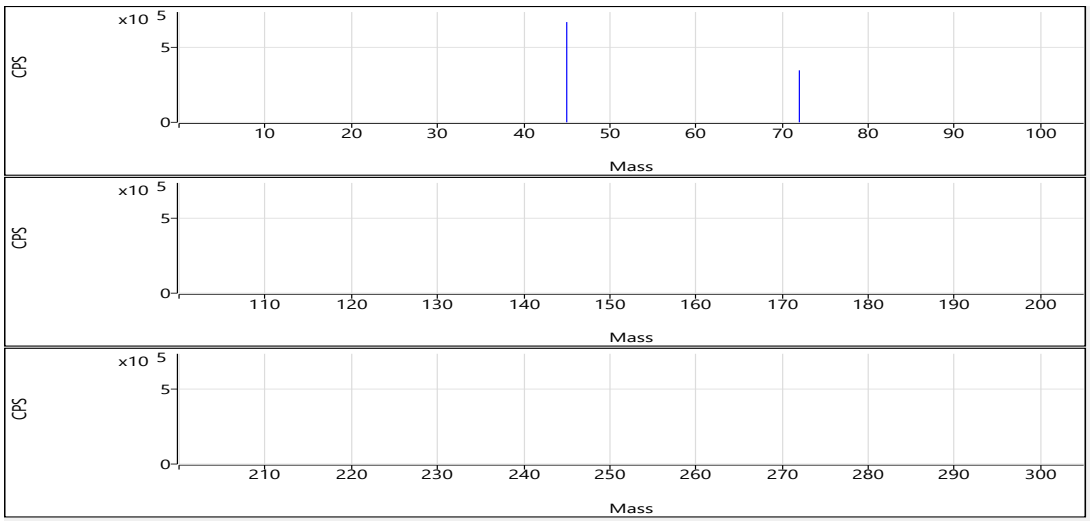
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.045	ppb	N/A	14.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.257	ppb	9.8	64.22	0.0001	Pulse	1.5000	3
Na	23	45	He	133109.489	ppb	2.3	30239793.71	521.5937	Analog	0.1000	3
Mg	24	45	He	13862.368	ppb	1.7	1600693.73	27.6080	Pulse	0.1000	3
Al	27	45	He	2.071	ppb	28.6	236.68	0.0041	Pulse	0.1000	3
K	39	45	He	2998.266	ppb	3.1	353069.28	6.0904	Pulse	0.1000	3
Ca	44	45	He	144011.315	ppb	2.0	824429.83	14.2199	Pulse	0.1000	3
Ti	47	45	He	0.586	ppb	67.0	26.67	0.0005	Pulse	0.1000	3
V	51	45	He	0.202	ppb	12.7	1282.73	0.0221	Pulse	0.5000	3
Cr	52	72	He	0.737	ppb	11.1	3317.16	0.0371	Pulse	0.1000	3
Mn	55	45	He	1.494	ppb	2.7	1613.49	0.0278	Pulse	0.1000	3
Fe	57	45	He	98.957	ppb	4.1	3847.31	0.0664	Pulse	0.1000	3
Co	59	72	He	0.355	ppb	9.4	1316.77	0.0147	Pulse	0.1000	3
Ni	60	115	He	1.472	ppb	10.2	2546.98	0.0318	Pulse	0.1000	3
Cu	63	115	He	11.362	ppb	1.6	29464.01	0.3682	Pulse	0.1000	3
Zn	66	72	He	22.107	ppb	2.3	6478.33	0.0724	Pulse	0.1000	3
As	75	72	He	0.412	ppb	8.3	151.33	0.0017	Pulse	0.5000	3
Sr	88	72	He	1191.145	ppb	1.9	1411286.91	15.7697	Pulse	0.1000	3
Mo	98	72	He	0.071	ppb	38.5	183.34	0.0020	Pulse	0.1000	3
Ag	107	115	He	0.088	ppb	12.6	360.02	0.0045	Pulse	0.1000	3
Cd	111	115	He	0.017	ppb	27.0	10.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.331	ppb	N/A	4037.39	0.0504	Pulse	0.1000	3
Sb	121	115	He	0.067	ppb	36.8	116.67	0.0015	Pulse	0.1000	3
Ba	137	115	He	53.632	ppb	1.5	26827.06	0.3352	Pulse	0.1000	3
Tl	205	209	He	0.027	ppb	7.4	230.01	0.0016	Pulse	0.1000	3
Pb	208	209	He	0.216	ppb	9.3	1953.48	0.0138	Pulse	0.1000	3
U	238	209	He	0.495	ppb	10.5	3794.03	0.0268	Pulse	0.1000	3

ISTD Table:

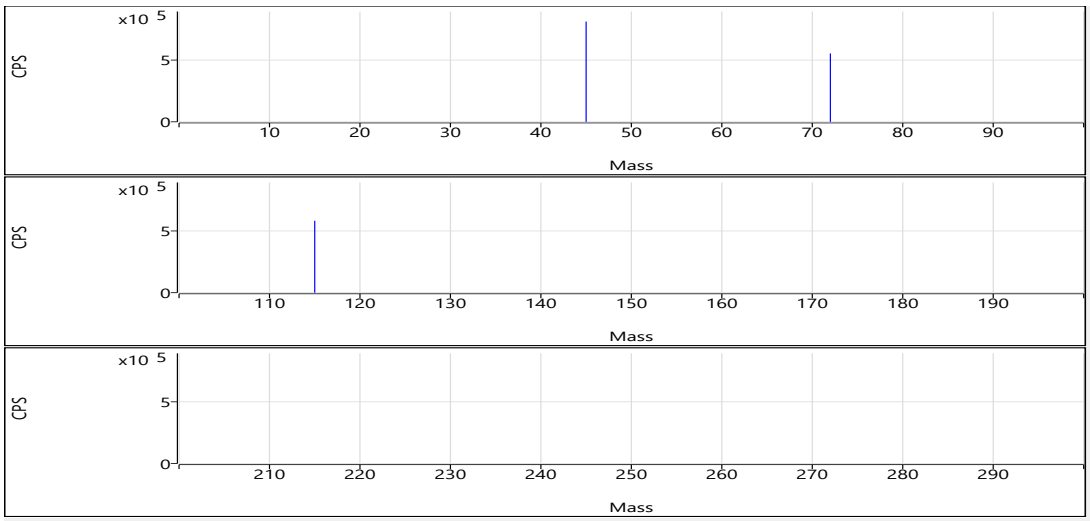
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	672365.77	0.4	98.4	Pulse	0.1000	3
No Gas	Ge	72	348637.78	0.4	96.4	Pulse	0.1000	3
H2	Sc	45	813324.78	0.7	105.1	Pulse	0.1000	3
H2	Ge	72	554781.80	0.5	102.0	Pulse	0.1000	3
H2	In	115	583599.90	0.9	105.8	Pulse	0.1000	3
He	Sc	45	57992.35	2.0	103.9	Pulse	0.1000	3
He	Ge	72	89501.57	0.8	100.2	Pulse	0.1000	3
He	In	115	80020.95	1.3	105.4	Pulse	0.1000	3
He	Tb	159	231411.81	0.4	105.3	Pulse	0.1000	3
He	Bi	209	141768.15	0.9	102.9	Pulse	0.1000	3

No Gas

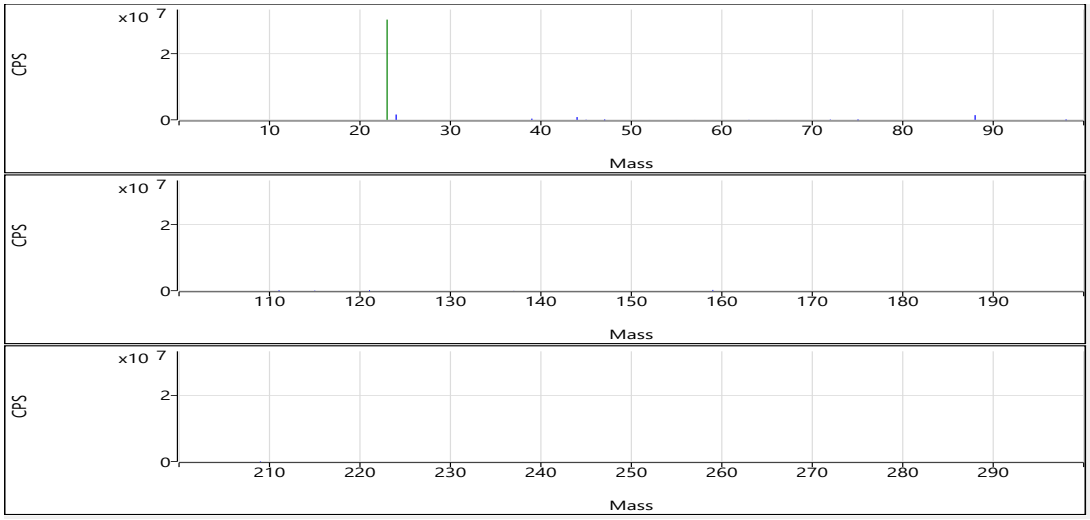


H2



Quantitation Report

He



Quantitation Report

Data File Name	142SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:43:40
Sample Name	410-235032-G-1-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

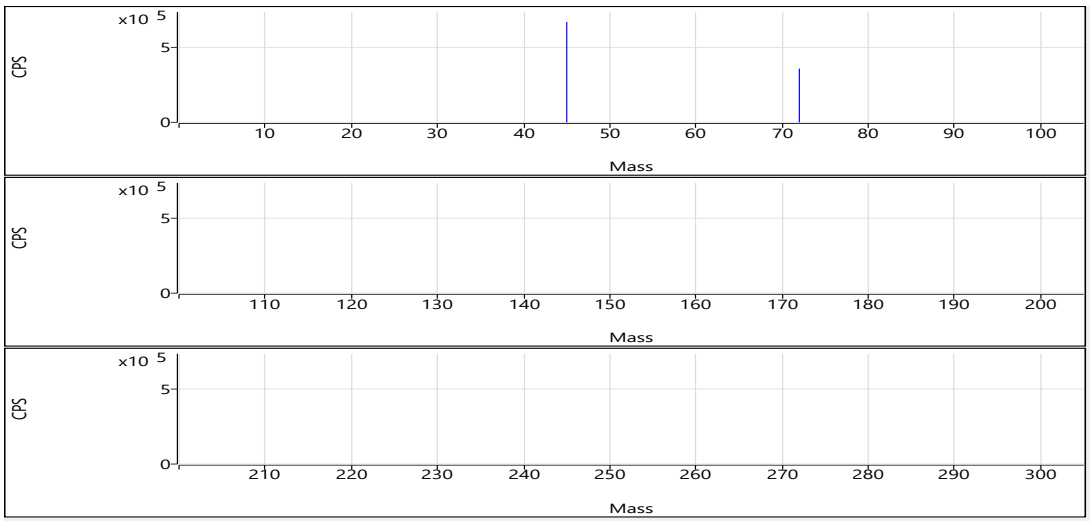
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.048	ppb	N/A	13.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.159	ppb	12.4	43.55	0.0001	Pulse	1.5000	3
Na	23	45	He	54602.279	ppb	0.7	12827095.64	214.1182	Analog	0.1000	3
Mg	24	45	He	12999.886	ppb	0.5	1551052.79	25.8910	Pulse	0.1000	3
Al	27	45	He	1.012	ppb	38.3	200.01	0.0033	Pulse	0.1000	3
K	39	45	He	4182.748	ppb	1.1	496884.00	8.2943	Pulse	0.1000	3
Ca	44	45	He	29660.345	ppb	1.2	175668.71	2.9323	Pulse	0.1000	3
Ti	47	45	He	0.398	ppb	61.1	20.00	0.0003	Pulse	0.1000	3
V	51	45	He	0.116	ppb	2.1	1189.39	0.0199	Pulse	0.5000	3
Cr	52	72	He	-0.081	ppb	N/A	1990.21	0.0207	Pulse	0.1000	3
Mn	55	45	He	99.493	ppb	1.5	93191.65	1.5556	Pulse	0.1000	3
Fe	57	45	He	8.217	ppb	29.1	566.70	0.0095	Pulse	0.1000	3
Co	59	72	He	0.511	ppb	8.4	1950.20	0.0203	Pulse	0.1000	3
Ni	60	115	He	1.477	ppb	11.3	2553.64	0.0319	Pulse	0.1000	3
Cu	63	115	He	1.675	ppb	6.4	4567.55	0.0571	Pulse	0.1000	3
Zn	66	72	He	2.891	ppb	14.1	993.41	0.0103	Pulse	0.1000	3
As	75	72	He	0.446	ppb	10.7	170.67	0.0018	Pulse	0.5000	3
Sr	88	72	He	177.747	ppb	0.8	226391.08	2.3560	Pulse	0.1000	3
Mo	98	72	He	0.044	ppb	38.8	143.34	0.0015	Pulse	0.1000	3
Ag	107	115	He	0.010	ppb	90.4	73.34	0.0009	Pulse	0.1000	3
Cd	111	115	He	0.252	ppb	4.5	120.00	0.0015	Pulse	0.5000	3
Sn	120	115	He	-0.444	ppb	N/A	3860.70	0.0483	Pulse	0.1000	3
Sb	121	115	He	0.065	ppb	75.1	113.34	0.0014	Pulse	0.1000	3
Ba	137	115	He	19.783	ppb	3.0	9960.62	0.1244	Pulse	0.1000	3
Tl	205	209	He	0.012	ppb	83.1	146.67	0.0010	Pulse	0.1000	3
Pb	208	209	He	0.020	ppb	42.6	463.35	0.0032	Pulse	0.1000	3
U	238	209	He	0.013	ppb	20.8	223.34	0.0015	Pulse	0.1000	3

ISTD Table:

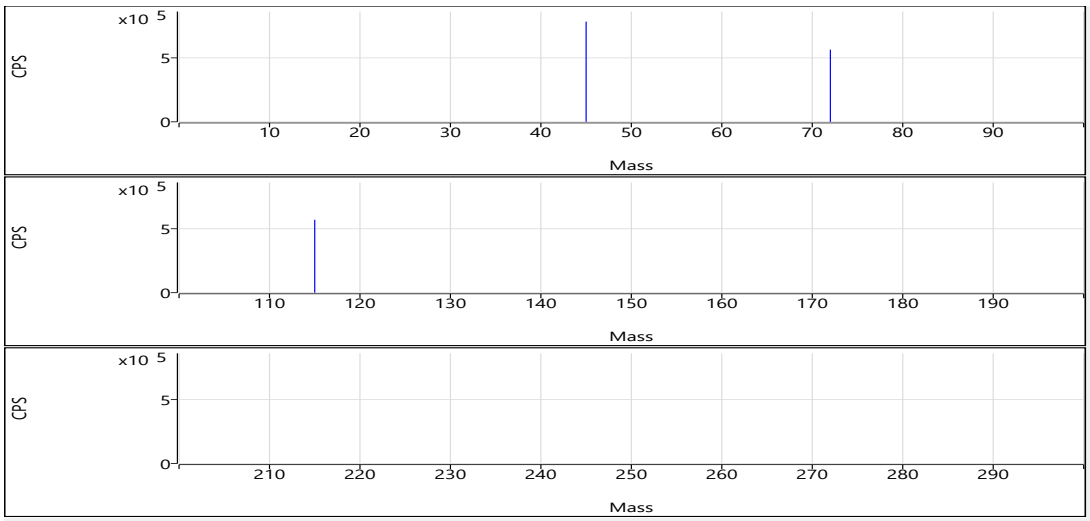
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	673358.17	1.1	98.5	Pulse	0.1000	3
No Gas	Ge	72	360689.77	1.0	99.7	Pulse	0.1000	3
H2	Sc	45	787837.44	1.1	101.8	Pulse	0.1000	3
H2	Ge	72	567176.84	1.1	104.3	Pulse	0.1000	3
H2	In	115	573357.39	1.5	104.0	Pulse	0.1000	3
He	Sc	45	59906.87	0.5	107.3	Pulse	0.1000	3
He	Ge	72	96086.92	0.8	107.6	Pulse	0.1000	3
He	In	115	80052.43	1.3	105.4	Pulse	0.1000	3
He	Tb	159	236793.59	0.5	107.7	Pulse	0.1000	3
He	Bi	209	145245.05	1.2	105.4	Pulse	0.1000	3

No Gas

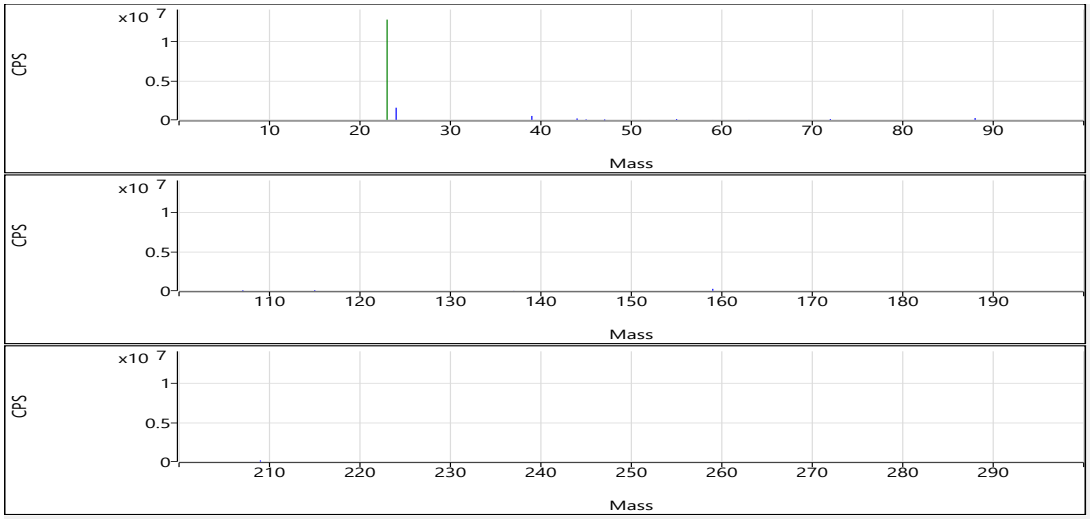


H2



Quantitation Report

He



Quantitation Report

Data File Name	144_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:47:51
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

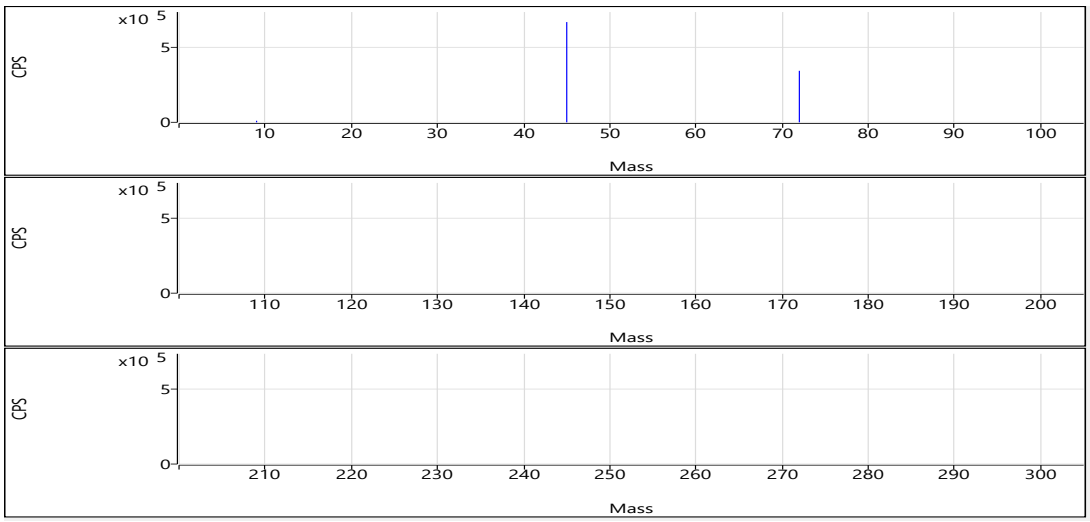
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	50.780	ppb	1.3	10168.16	0.0152	Pulse	0.5000	3
Se	78	72	H2	52.811	ppb	0.8	11652.26	0.0209	Pulse	1.5000	3
Na	23	45	He	5071.046	ppb	1.5	1190538.03	20.1278	Pulse	0.1000	3
Mg	24	45	He	5043.315	ppb	1.4	594525.25	10.0511	Pulse	0.1000	3
Al	27	45	He	5032.329	ppb	1.8	208720.56	3.5288	Pulse	0.1000	3
K	39	45	He	5090.374	ppb	2.5	590428.82	9.9832	Pulse	0.1000	3
Ca	44	45	He	5232.297	ppb	2.6	30809.90	0.5210	Pulse	0.1000	3
Ti	47	45	He	4985.334	ppb	1.9	203026.51	3.4327	Pulse	0.1000	3
V	51	45	He	507.811	ppb	1.8	788324.00	13.3286	Pulse	0.5000	3
Cr	52	72	He	518.782	ppb	0.2	967503.53	10.3886	Pulse	0.1000	3
Mn	55	45	He	510.342	ppb	2.1	470860.14	7.9608	Pulse	0.1000	3
Fe	57	45	He	5071.405	ppb	1.4	188373.79	3.1848	Pulse	0.1000	3
Co	59	72	He	520.635	ppb	0.3	1733128.72	18.6094	Pulse	0.1000	3
Ni	60	115	He	500.474	ppb	2.0	477503.40	5.8355	Pulse	0.1000	3
Cu	63	115	He	499.508	ppb	1.4	1313292.64	16.0489	Pulse	0.1000	3
Zn	66	72	He	513.001	ppb	1.1	154353.70	1.6574	Pulse	0.1000	3
As	75	72	He	520.234	ppb	0.4	121564.30	1.3053	Pulse	0.5000	3
Sr	88	72	He	51.283	ppb	1.0	63525.65	0.6821	Pulse	0.1000	3
Mo	98	72	He	51.263	ppb	2.2	98119.76	1.0535	Pulse	0.1000	3
Ag	107	115	He	50.557	ppb	0.9	191797.99	2.3437	Pulse	0.1000	3
Cd	111	115	He	50.014	ppb	0.5	23908.99	0.2922	Pulse	0.5000	3
Sn	120	115	He	50.324	ppb	1.3	83493.56	1.0203	Pulse	0.1000	3
Sb	121	115	He	50.425	ppb	1.3	70365.14	0.8599	Pulse	0.1000	3
Ba	137	115	He	506.361	ppb	0.9	258153.08	3.1546	Pulse	0.1000	3
Tl	205	209	He	50.804	ppb	1.6	303504.65	2.0613	Pulse	0.1000	3
Pb	208	209	He	50.334	ppb	0.3	400554.99	2.7202	Pulse	0.1000	3
U	238	209	He	49.961	ppb	0.7	385415.72	2.6175	Pulse	0.1000	3

ISTD Table:

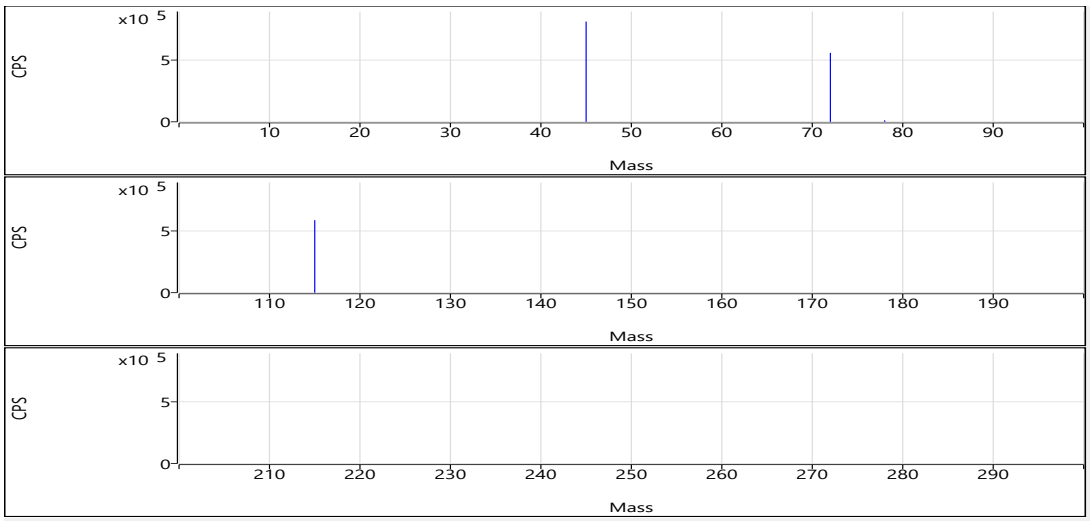
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	667030.75	0.9	97.6	Pulse	0.1000	3
No Gas	Ge	72	342773.68	0.6	94.8	Pulse	0.1000	3
H2	Sc	45	809289.26	0.2	104.6	Pulse	0.1000	3
H2	Ge	72	556549.05	0.4	102.3	Pulse	0.1000	3
H2	In	115	585582.96	1.1	106.2	Pulse	0.1000	3
He	Sc	45	59156.74	1.6	106.0	Pulse	0.1000	3
He	Ge	72	93131.40	0.2	104.3	Pulse	0.1000	3
He	In	115	81838.90	1.1	107.8	Pulse	0.1000	3
He	Tb	159	239136.49	1.4	108.8	Pulse	0.1000	3
He	Bi	209	147254.25	0.9	106.9	Pulse	0.1000	3

No Gas

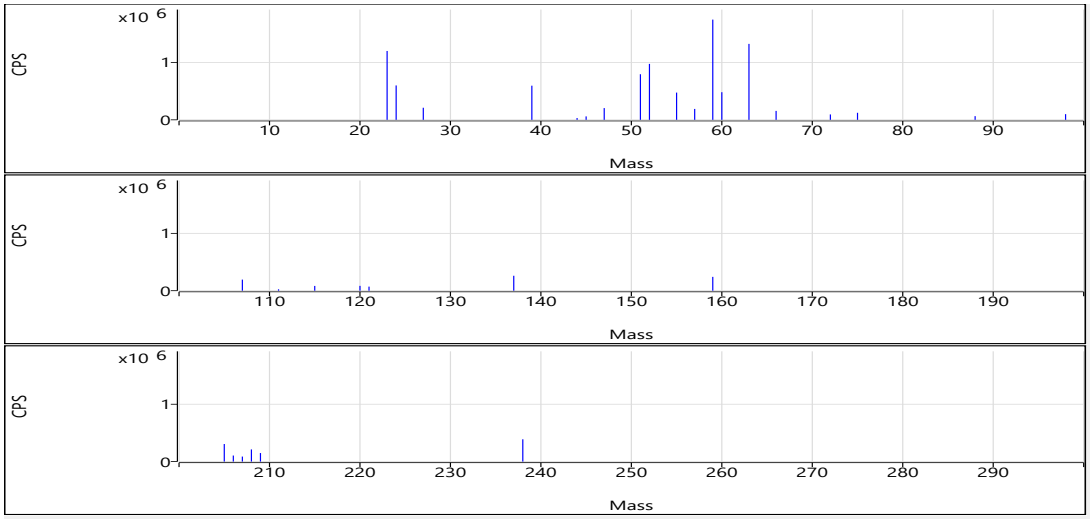


H2



Quantitation Report

He



Quantitation Report

Data File Name	146_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:52:04
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

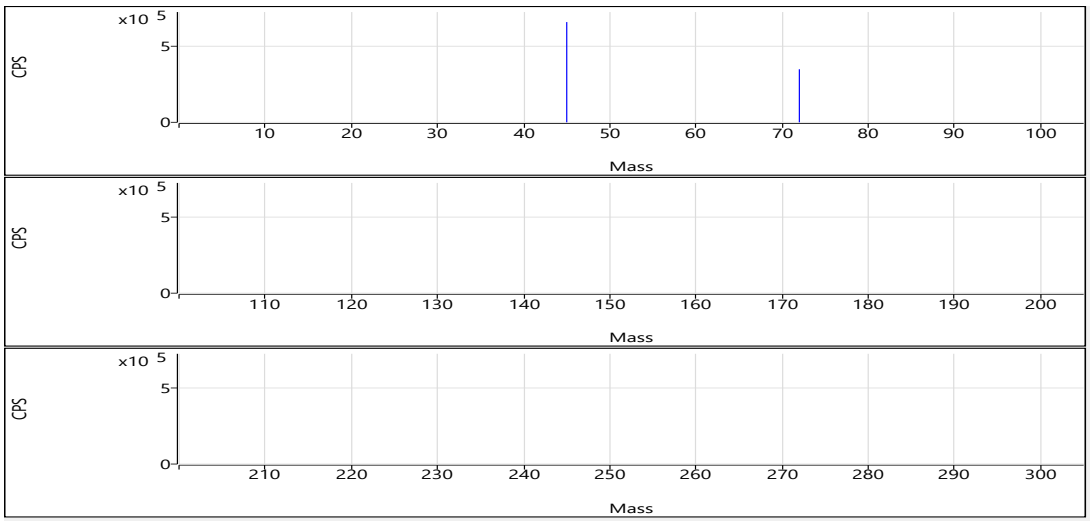
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.040	ppb	N/A	14.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.120	ppb	6.0	33.55	0.0001	Pulse	1.5000	3
Na	23	45	He	34.959	ppb	19.7	23979.92	0.4039	Pulse	0.1000	3
Mg	24	45	He	32.199	ppb	8.6	4447.47	0.0749	Pulse	0.1000	3
Al	27	45	He	-0.197	ppb	N/A	146.67	0.0025	Pulse	0.1000	3
K	39	45	He	0.837	ppb	3406.5	30435.76	0.5131	Pulse	0.1000	3
Ca	44	45	He	105.070	ppb	2.9	883.39	0.0149	Pulse	0.1000	3
Ti	47	45	He	1.370	ppb	27.6	60.00	0.0010	Pulse	0.1000	3
V	51	45	He	0.208	ppb	8.4	1324.73	0.0223	Pulse	0.5000	3
Cr	52	72	He	0.138	ppb	65.4	2256.92	0.0251	Pulse	0.1000	3
Mn	55	45	He	0.972	ppb	11.7	1173.43	0.0197	Pulse	0.1000	3
Fe	57	45	He	4.559	ppb	20.4	426.69	0.0072	Pulse	0.1000	3
Co	59	72	He	0.198	ppb	8.1	820.05	0.0091	Pulse	0.1000	3
Ni	60	115	He	0.026	ppb	610.3	1186.77	0.0150	Pulse	0.1000	3
Cu	63	115	He	0.226	ppb	10.6	833.39	0.0105	Pulse	0.1000	3
Zn	66	72	He	0.263	ppb	34.8	166.67	0.0019	Pulse	0.1000	3
As	75	72	He	0.377	ppb	15.0	144.00	0.0016	Pulse	0.5000	3
Sr	88	72	He	0.281	ppb	18.3	633.37	0.0070	Pulse	0.1000	3
Mo	98	72	He	0.081	ppb	39.5	203.34	0.0023	Pulse	0.1000	3
Ag	107	115	He	0.028	ppb	40.2	136.67	0.0017	Pulse	0.1000	3
Cd	111	115	He	0.018	ppb	80.1	10.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	0.288	ppb	25.7	4934.41	0.0623	Pulse	0.1000	3
Sb	121	115	He	0.076	ppb	14.4	126.67	0.0016	Pulse	0.1000	3
Ba	137	115	He	0.567	ppb	13.4	376.68	0.0048	Pulse	0.1000	3
Tl	205	209	He	0.053	ppb	22.0	380.02	0.0027	Pulse	0.1000	3
Pb	208	209	He	0.008	ppb	122.8	366.68	0.0026	Pulse	0.1000	3
U	238	209	He	0.027	ppb	23.7	323.35	0.0023	Pulse	0.1000	3

ISTD Table:

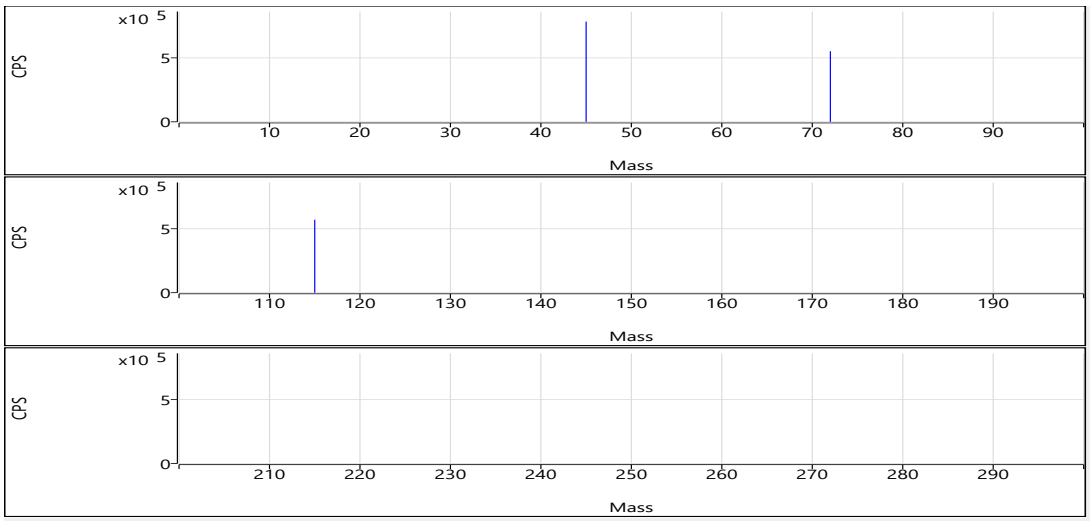
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	657831.49	1.0	96.2	Pulse	0.1000	3
No Gas	Ge	72	348088.20	0.8	96.2	Pulse	0.1000	3
H2	Sc	45	777550.15	1.5	100.5	Pulse	0.1000	3
H2	Ge	72	547599.51	0.4	100.7	Pulse	0.1000	3
H2	In	115	566326.55	0.6	102.7	Pulse	0.1000	3
He	Sc	45	59471.53	3.7	106.5	Pulse	0.1000	3
He	Ge	72	89957.09	0.9	100.7	Pulse	0.1000	3
He	In	115	79209.79	2.4	104.3	Pulse	0.1000	3
He	Tb	159	230902.37	0.9	105.1	Pulse	0.1000	3
He	Bi	209	143162.77	0.7	103.9	Pulse	0.1000	3

No Gas

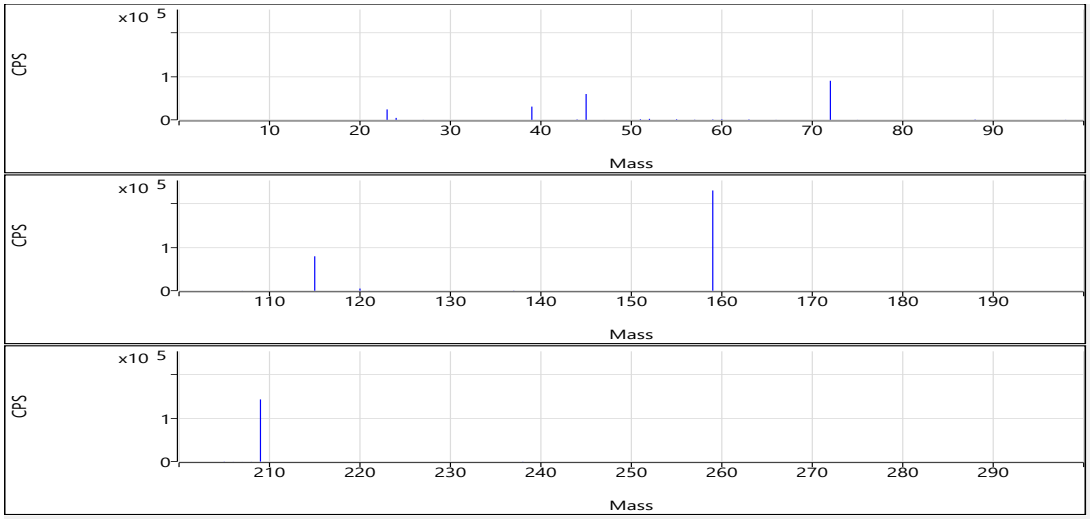


H2



Quantitation Report

He



Quantitation Report

Data File Name	147SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:54:09
Sample Name	410-235073-K-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

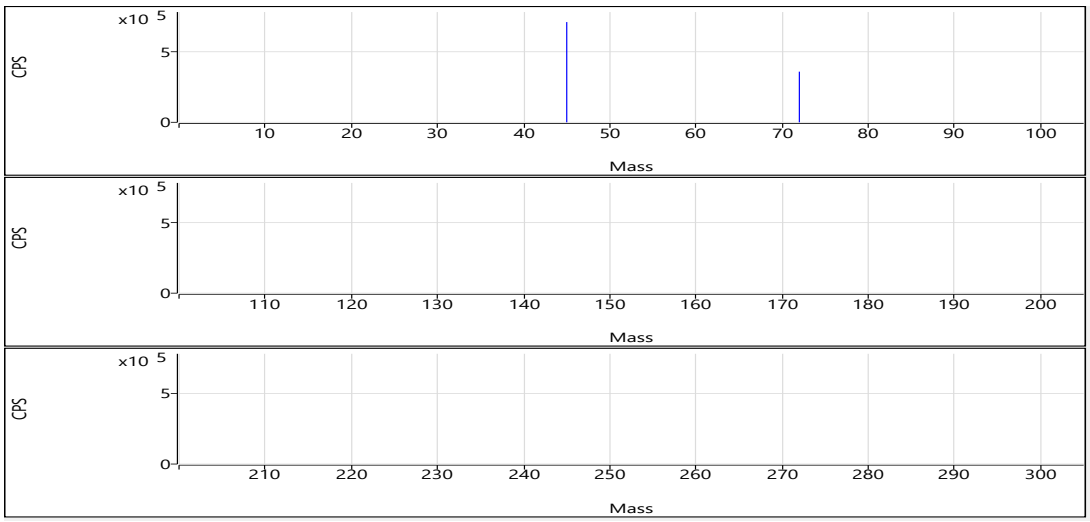
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.029	ppb	N/A	18.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.508	ppb	13.3	121.56	0.0002	Pulse	1.5000	3
Na	23	45	He	15468.583	ppb	0.8	3493688.39	60.8501	Pulse	0.1000	3
Mg	24	45	He	8207.932	ppb	0.7	938810.04	16.3512	Pulse	0.1000	3
Al	27	45	He	1432.682	ppb	1.0	57793.23	1.0065	Pulse	0.1000	3
K	39	45	He	3525.416	ppb	1.2	405996.57	7.0712	Pulse	0.1000	3
Ca	44	45	He	38349.137	ppb	1.3	217609.89	3.7899	Pulse	0.1000	3
Ti	47	45	He	2.443	ppb	27.4	100.00	0.0017	Pulse	0.1000	3
V	51	45	He	0.423	ppb	4.7	1602.10	0.0279	Pulse	0.5000	3
Cr	52	72	He	0.110	ppb	8.9	2143.57	0.0245	Pulse	0.1000	3
Mn	55	45	He	2323.029	ppb	1.0	2079712.73	36.2208	Pulse	0.1000	3
Fe	57	45	He	147.688	ppb	5.6	5564.60	0.0969	Pulse	0.1000	3
Co	59	72	He	0.368	ppb	16.9	1326.77	0.0152	Pulse	0.1000	3
Ni	60	115	He	0.097	ppb	43.6	1250.09	0.0158	Pulse	0.1000	3
Cu	63	115	He	3.577	ppb	2.7	9330.03	0.1182	Pulse	0.1000	3
Zn	66	72	He	2.185	ppb	9.9	703.38	0.0081	Pulse	0.1000	3
As	75	72	He	2.730	ppb	3.4	655.35	0.0075	Pulse	0.5000	3
Sr	88	72	He	94.584	ppb	1.6	109654.56	1.2553	Pulse	0.1000	3
Mo	98	72	He	0.179	ppb	18.2	373.36	0.0043	Pulse	0.1000	3
Ag	107	115	He	0.007	ppb	0.2	60.00	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.027	ppb	24.3	14.67	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.460	ppb	N/A	3787.32	0.0480	Pulse	0.1000	3
Sb	121	115	He	0.133	ppb	30.9	203.34	0.0026	Pulse	0.1000	3
Ba	137	115	He	59.694	ppb	0.3	29452.25	0.3730	Pulse	0.1000	3
Tl	205	209	He	0.047	ppb	54.4	340.02	0.0024	Pulse	0.1000	3
Pb	208	209	He	0.103	ppb	9.8	1086.72	0.0077	Pulse	0.1000	3
U	238	209	He	0.100	ppb	10.8	863.40	0.0061	Pulse	0.1000	3

ISTD Table:

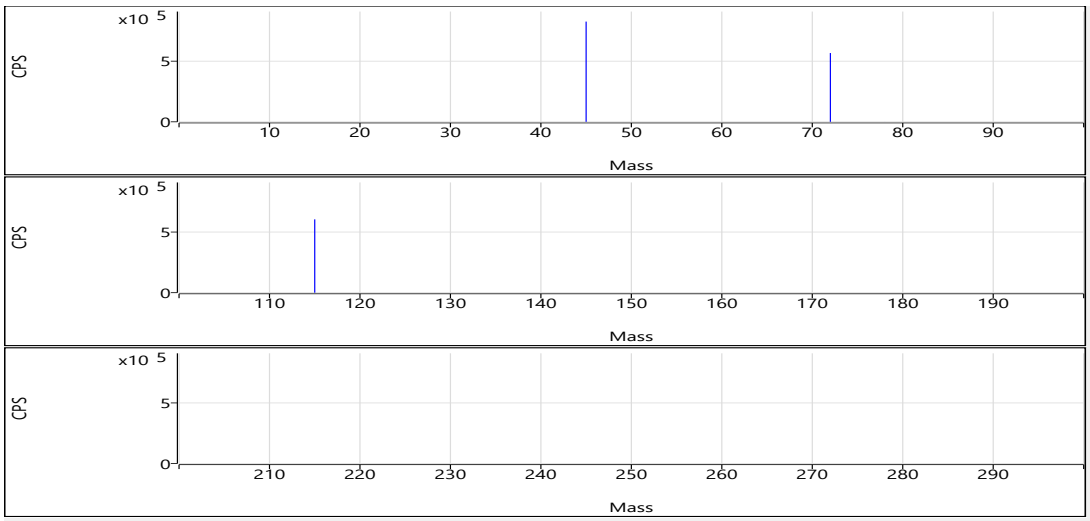
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	707941.06	0.5	103.6	Pulse	0.1000	3
No Gas	Ge	72	357656.19	1.1	98.9	Pulse	0.1000	3
H2	Sc	45	825083.03	2.4	106.7	Pulse	0.1000	3
H2	Ge	72	566217.09	1.9	104.1	Pulse	0.1000	3
H2	In	115	603620.87	0.8	109.4	Pulse	0.1000	3
He	Sc	45	57416.65	0.7	102.9	Pulse	0.1000	3
He	Ge	72	87364.48	2.0	97.8	Pulse	0.1000	3
He	In	115	78966.75	0.1	104.0	Pulse	0.1000	3
He	Tb	159	228702.84	0.5	104.1	Pulse	0.1000	3
He	Bi	209	141405.85	0.7	102.6	Pulse	0.1000	3

No Gas

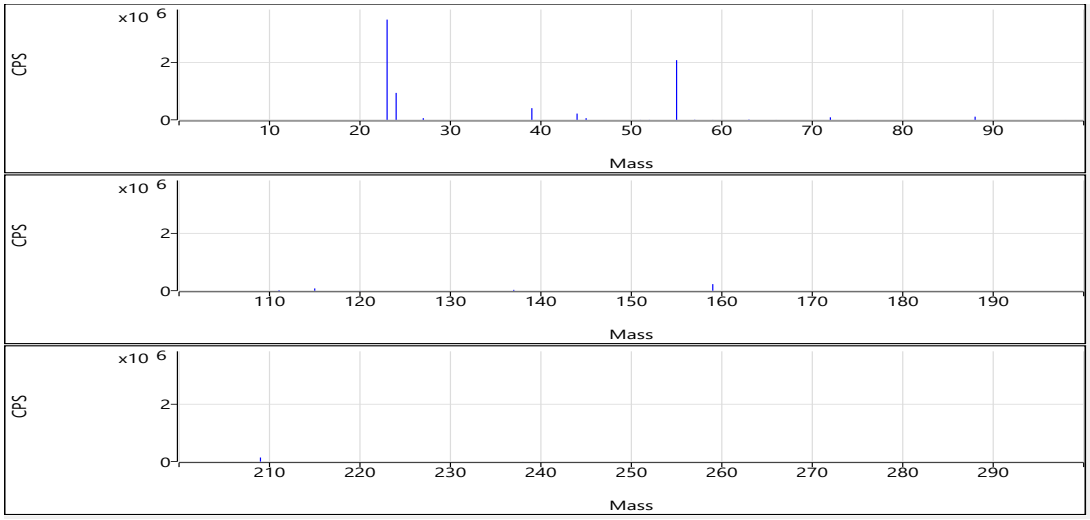


H2



Quantitation Report

He



Quantitation Report

Data File Name	148SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:56:16
Sample Name	410-235068-K-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

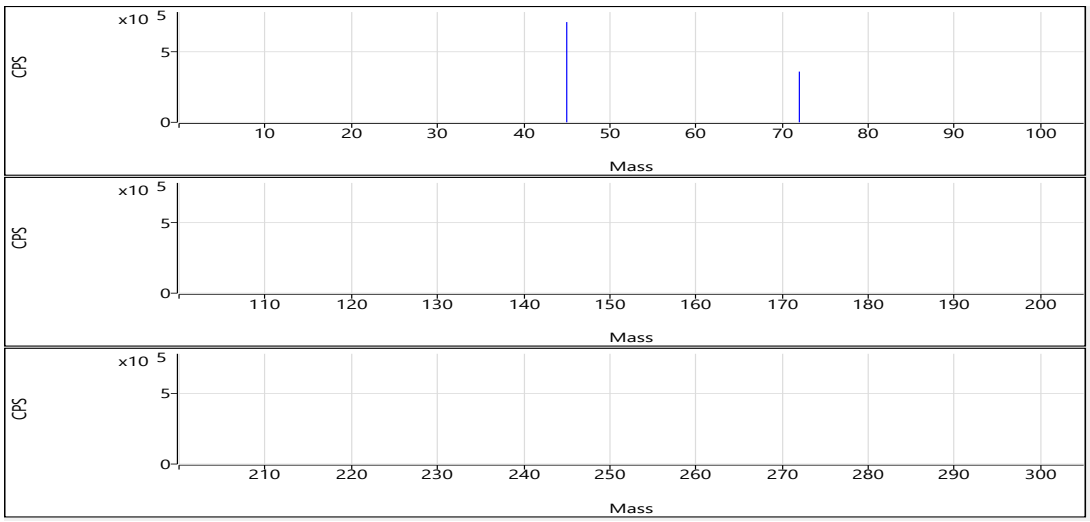
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.236	ppb	30.3	74.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.471	ppb	5.1	117.11	0.0002	Pulse	1.5000	3
Na	23	45	He	1705.434	ppb	0.9	410794.81	6.9463	Pulse	0.1000	3
Mg	24	45	He	1465.246	ppb	2.0	173181.64	2.9278	Pulse	0.1000	3
Al	27	45	He	61270.925	ppb	0.9	2539077.67	42.9356	Pulse	0.1000	3
K	39	45	He	611.921	ppb	4.2	97518.49	1.6501	Pulse	0.1000	3
Ca	44	45	He	6374.551	ppb	2.1	37495.45	0.6337	Pulse	0.1000	3
Ti	47	45	He	31.609	ppb	14.1	1286.78	0.0218	Pulse	0.1000	3
V	51	45	He	8.368	ppb	0.8	13965.37	0.2362	Pulse	0.5000	3
Cr	52	72	He	4.015	ppb	5.9	9523.49	0.1026	Pulse	0.1000	3
Mn	55	45	He	838.336	ppb	0.7	773344.44	13.0743	Pulse	0.1000	3
Fe	57	45	He	4142.929	ppb	0.5	153901.24	2.6025	Pulse	0.1000	3
Co	59	72	He	3.205	ppb	4.5	10811.00	0.1166	Pulse	0.1000	3
Ni	60	115	He	6.231	ppb	4.7	6948.57	0.0872	Pulse	0.1000	3
Cu	63	115	He	174.127	ppb	0.4	446234.31	5.5967	Pulse	0.1000	3
Zn	66	72	He	24.625	ppb	2.1	7472.19	0.0805	Pulse	0.1000	3
As	75	72	He	5.338	ppb	4.0	1303.40	0.0140	Pulse	0.5000	3
Sr	88	72	He	45.485	ppb	2.1	56175.42	0.6054	Pulse	0.1000	3
Mo	98	72	He	0.284	ppb	6.2	596.70	0.0064	Pulse	0.1000	3
Ag	107	115	He	0.034	ppb	24.7	160.01	0.0020	Pulse	0.1000	3
Cd	111	115	He	0.060	ppb	21.6	30.00	0.0004	Pulse	0.5000	3
Sn	120	115	He	-0.468	ppb	N/A	3810.64	0.0478	Pulse	0.1000	3
Sb	121	115	He	0.130	ppb	24.5	200.01	0.0025	Pulse	0.1000	3
Ba	137	115	He	49.386	ppb	1.7	24622.67	0.3088	Pulse	0.1000	3
Tl	205	209	He	0.057	ppb	19.9	420.02	0.0028	Pulse	0.1000	3
Pb	208	209	He	4.584	ppb	1.3	36898.21	0.2496	Pulse	0.1000	3
U	238	209	He	2.691	ppb	0.3	20961.16	0.1418	Pulse	0.1000	3

ISTD Table:

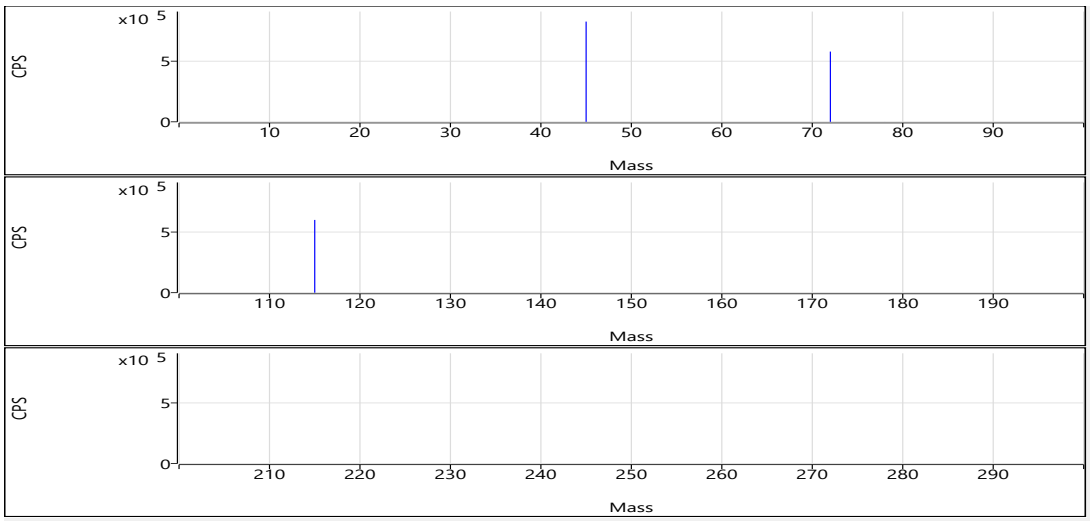
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	712535.77	1.4	104.2	Pulse	0.1000	3
No Gas	Ge	72	360429.03	1.1	99.6	Pulse	0.1000	3
H2	Sc	45	832851.19	1.4	107.7	Pulse	0.1000	3
H2	Ge	72	583616.24	0.9	107.3	Pulse	0.1000	3
H2	In	115	604623.25	0.9	109.6	Pulse	0.1000	3
He	Sc	45	59143.16	3.9	106.0	Pulse	0.1000	3
He	Ge	72	92779.22	2.8	103.9	Pulse	0.1000	3
He	In	115	79731.65	3.4	105.0	Pulse	0.1000	3
He	Tb	159	235117.02	3.0	107.0	Pulse	0.1000	3
He	Bi	209	147833.32	2.2	107.3	Pulse	0.1000	3

No Gas

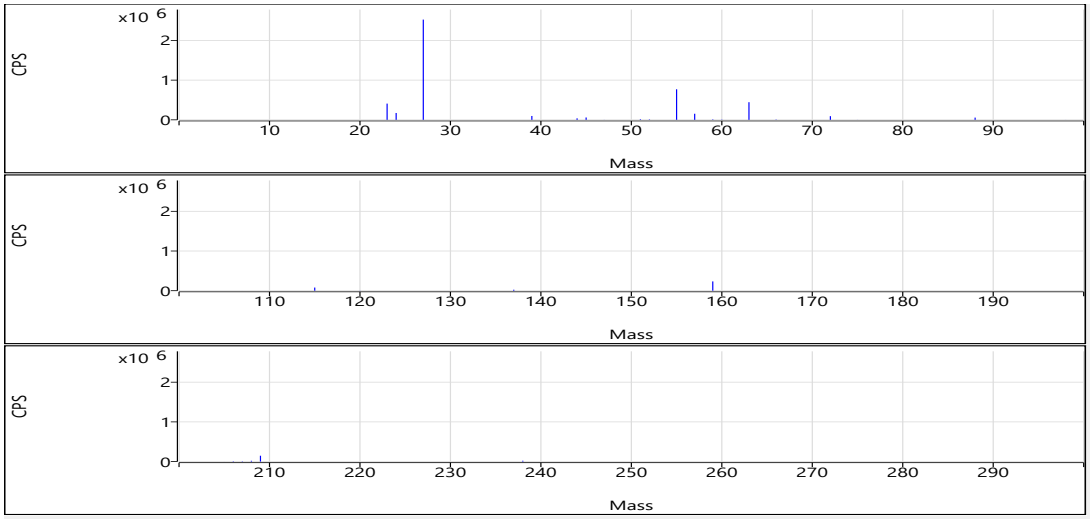


H2



Quantitation Report

He



Quantitation Report

Data File Name	149SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:58:22
Sample Name	410-235098-AD-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

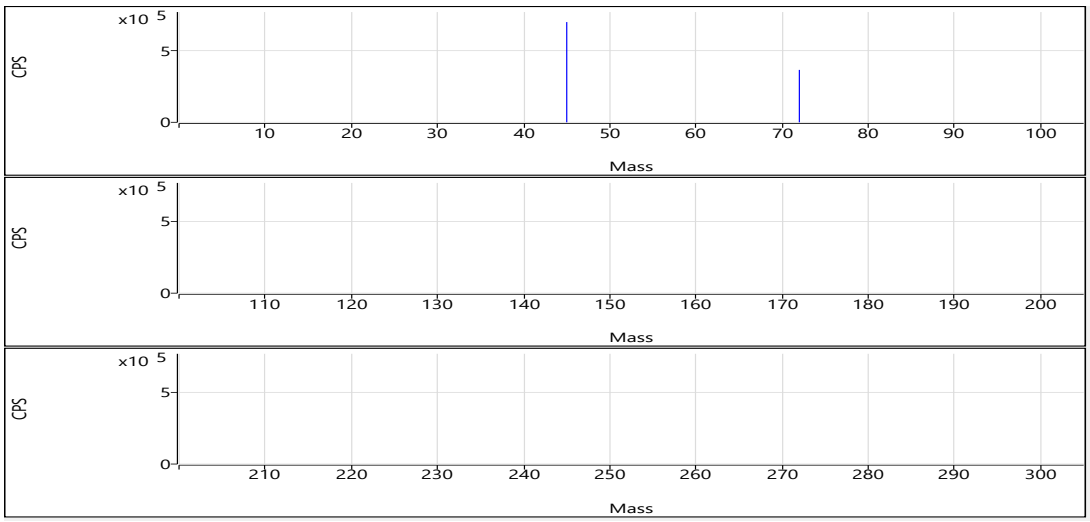
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.050	ppb	N/A	13.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.083	ppb	12.7	27.33	0.0000	Pulse	1.5000	3
Na	23	45	He	14114.099	ppb	2.4	3274480.58	55.5452	Pulse	0.1000	3
Mg	24	45	He	9217.741	ppb	2.4	1082505.45	18.3615	Pulse	0.1000	3
Al	27	45	He	166.422	ppb	13.7	7035.27	0.1192	Pulse	0.1000	3
K	39	45	He	1339.747	ppb	2.8	177105.19	3.0044	Pulse	0.1000	3
Ca	44	45	He	35793.089	ppb	2.5	208557.58	3.5376	Pulse	0.1000	3
Ti	47	45	He	1.225	ppb	41.0	53.33	0.0009	Pulse	0.1000	3
V	51	45	He	0.161	ppb	28.2	1240.06	0.0210	Pulse	0.5000	3
Cr	52	72	He	-0.007	ppb	N/A	2070.21	0.0222	Pulse	0.1000	3
Mn	55	45	He	3.442	ppb	2.3	3430.53	0.0582	Pulse	0.1000	3
Fe	57	45	He	45.975	ppb	16.4	1956.87	0.0331	Pulse	0.1000	3
Co	59	72	He	0.129	ppb	6.6	623.37	0.0067	Pulse	0.1000	3
Ni	60	115	He	-0.229	ppb	N/A	966.74	0.0120	Pulse	0.1000	3
Cu	63	115	He	4.876	ppb	7.5	12849.45	0.1599	Pulse	0.1000	3
Zn	66	72	He	11.766	ppb	4.1	3643.92	0.0390	Pulse	0.1000	3
As	75	72	He	0.619	ppb	11.7	206.67	0.0022	Pulse	0.5000	3
Sr	88	72	He	326.380	ppb	2.0	404059.60	4.3234	Pulse	0.1000	3
Mo	98	72	He	0.592	ppb	5.9	1193.42	0.0128	Pulse	0.1000	3
Ag	107	115	He	0.013	ppb	24.7	83.33	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.015	ppb	64.0	9.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.664	ppb	N/A	3540.59	0.0441	Pulse	0.1000	3
Sb	121	115	He	0.036	ppb	86.2	73.33	0.0009	Pulse	0.1000	3
Ba	137	115	He	138.231	ppb	1.6	69284.87	0.8621	Pulse	0.1000	3
Tl	205	209	He	0.021	ppb	42.6	196.68	0.0014	Pulse	0.1000	3
Pb	208	209	He	0.094	ppb	6.8	1050.07	0.0072	Pulse	0.1000	3
U	238	209	He	3.347	ppb	3.1	25552.82	0.1761	Pulse	0.1000	3

ISTD Table:

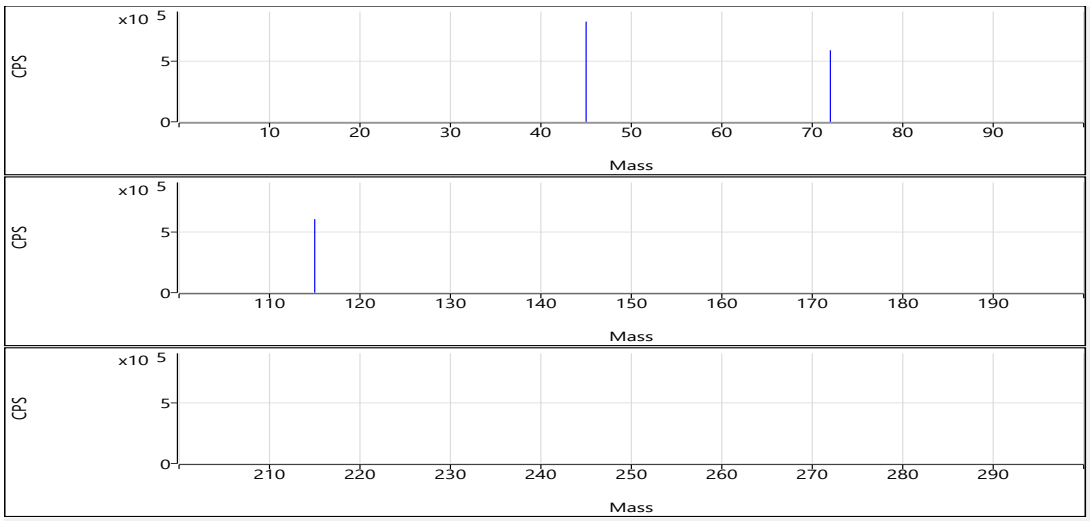
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	699225.61	1.0	102.3	Pulse	0.1000	3
No Gas	Ge	72	365646.02	0.8	101.1	Pulse	0.1000	3
H2	Sc	45	820134.83	1.5	106.0	Pulse	0.1000	3
H2	Ge	72	585113.62	0.9	107.6	Pulse	0.1000	3
H2	In	115	601884.12	0.9	109.1	Pulse	0.1000	3
He	Sc	45	58962.56	2.0	105.6	Pulse	0.1000	3
He	Ge	72	93500.35	3.3	104.7	Pulse	0.1000	3
He	In	115	80370.01	0.5	105.8	Pulse	0.1000	3
He	Tb	159	233217.80	3.3	106.1	Pulse	0.1000	3
He	Bi	209	145141.30	2.3	105.4	Pulse	0.1000	3

No Gas

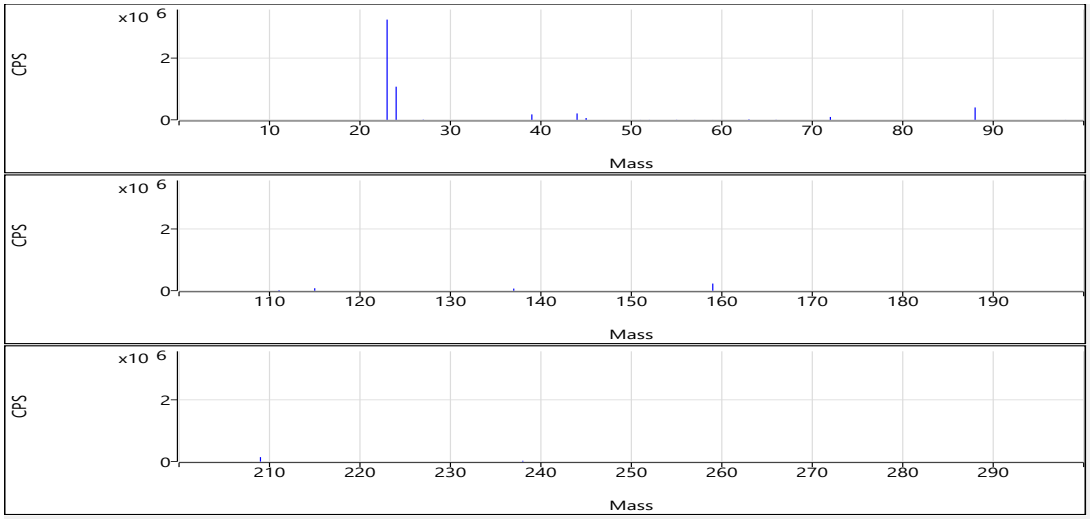


H2



Quantitation Report

He



Quantitation Report

Data File Name	150SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:00:27
Sample Name	410-234913-F-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

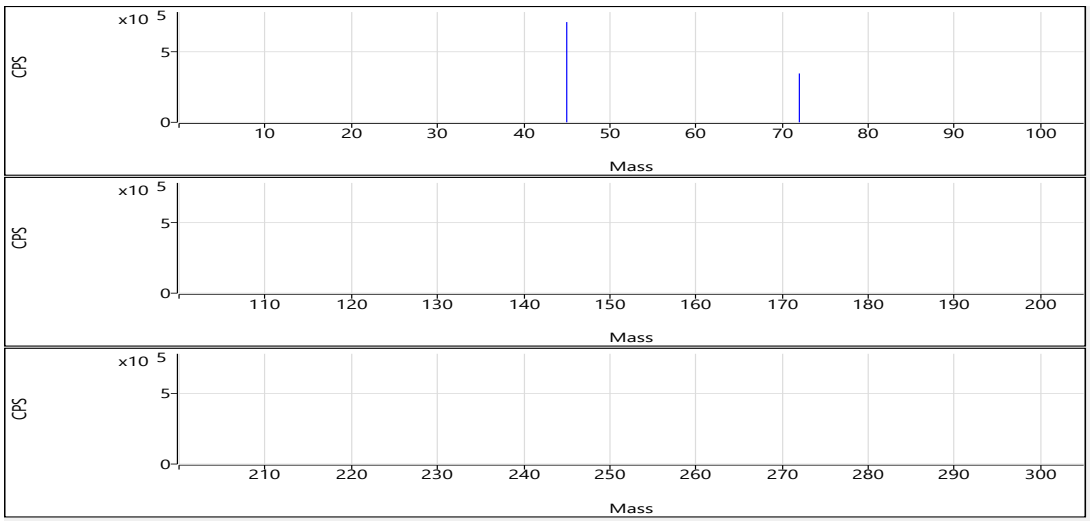
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.035	ppb	N/A	16.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.187	ppb	2.9	48.22	0.0001	Pulse	1.5000	3
Na	23	45	He	16815.708	ppb	1.6	3982568.28	66.1261	Pulse	0.1000	3
Mg	24	45	He	12836.080	ppb	1.8	1539816.96	25.5649	Pulse	0.1000	3
Al	27	45	He	44.203	ppb	2.6	2023.55	0.0336	Pulse	0.1000	3
K	39	45	He	1896.057	ppb	2.1	243274.34	4.0395	Pulse	0.1000	3
Ca	44	45	He	50942.909	ppb	1.2	303138.18	5.0331	Pulse	0.1000	3
Ti	47	45	He	0.880	ppb	48.2	40.00	0.0007	Pulse	0.1000	3
V	51	45	He	0.104	ppb	38.2	1176.05	0.0195	Pulse	0.5000	3
Cr	52	72	He	0.104	ppb	98.9	2126.89	0.0244	Pulse	0.1000	3
Mn	55	45	He	11.453	ppb	3.3	11027.87	0.1831	Pulse	0.1000	3
Fe	57	45	He	87.189	ppb	3.9	3553.89	0.0590	Pulse	0.1000	3
Co	59	72	He	0.132	ppb	13.6	590.03	0.0068	Pulse	0.1000	3
Ni	60	115	He	0.701	ppb	13.0	1870.20	0.0229	Pulse	0.1000	3
Cu	63	115	He	1.301	ppb	1.8	3683.92	0.0450	Pulse	0.1000	3
Zn	66	72	He	3.347	ppb	5.9	1030.08	0.0118	Pulse	0.1000	3
As	75	72	He	0.879	ppb	10.3	249.33	0.0029	Pulse	0.5000	3
Sr	88	72	He	162.598	ppb	0.6	187920.49	2.1555	Pulse	0.1000	3
Mo	98	72	He	0.176	ppb	22.4	366.68	0.0042	Pulse	0.1000	3
Ag	107	115	He	0.006	ppb	148.6	60.00	0.0007	Pulse	0.1000	3
Cd	111	115	He	0.016	ppb	50.4	10.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.652	ppb	N/A	3623.95	0.0443	Pulse	0.1000	3
Sb	121	115	He	0.109	ppb	31.9	176.68	0.0022	Pulse	0.1000	3
Ba	137	115	He	500.711	ppb	0.5	255221.59	3.1194	Pulse	0.1000	3
Tl	205	209	He	0.013	ppb	34.2	153.34	0.0011	Pulse	0.1000	3
Pb	208	209	He	0.032	ppb	22.6	563.36	0.0039	Pulse	0.1000	3
U	238	209	He	0.168	ppb	14.0	1410.13	0.0097	Pulse	0.1000	3

ISTD Table:

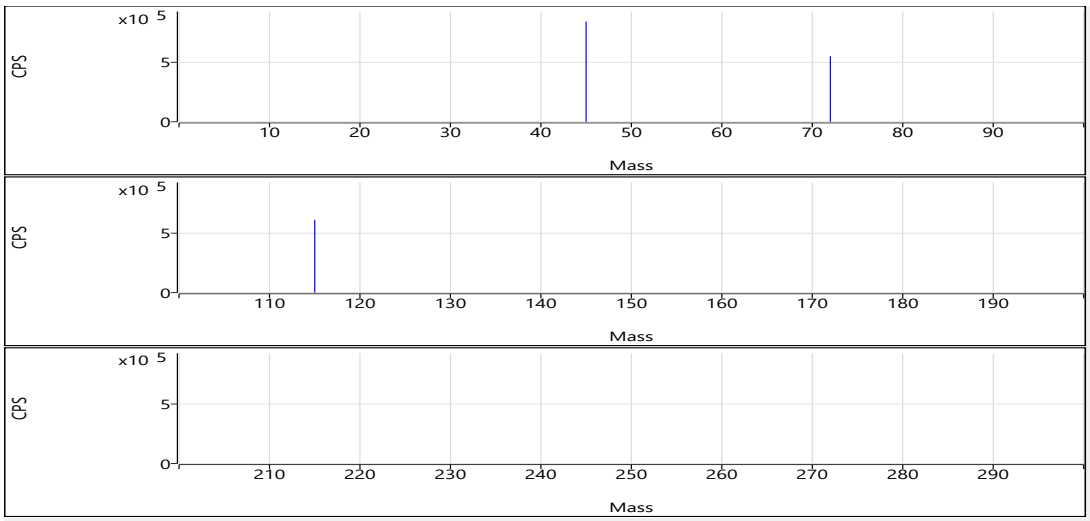
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	706113.71	0.7	103.3	Pulse	0.1000	3
No Gas	Ge	72	344046.03	0.8	95.1	Pulse	0.1000	3
H2	Sc	45	840424.21	0.3	108.6	Pulse	0.1000	3
H2	Ge	72	549134.01	0.3	100.9	Pulse	0.1000	3
H2	In	115	610987.35	0.8	110.8	Pulse	0.1000	3
He	Sc	45	60234.61	1.7	107.9	Pulse	0.1000	3
He	Ge	72	87183.71	1.0	97.6	Pulse	0.1000	3
He	In	115	81818.26	1.1	107.7	Pulse	0.1000	3
He	Tb	159	238585.10	0.9	108.6	Pulse	0.1000	3
He	Bi	209	146174.13	1.4	106.1	Pulse	0.1000	3

No Gas

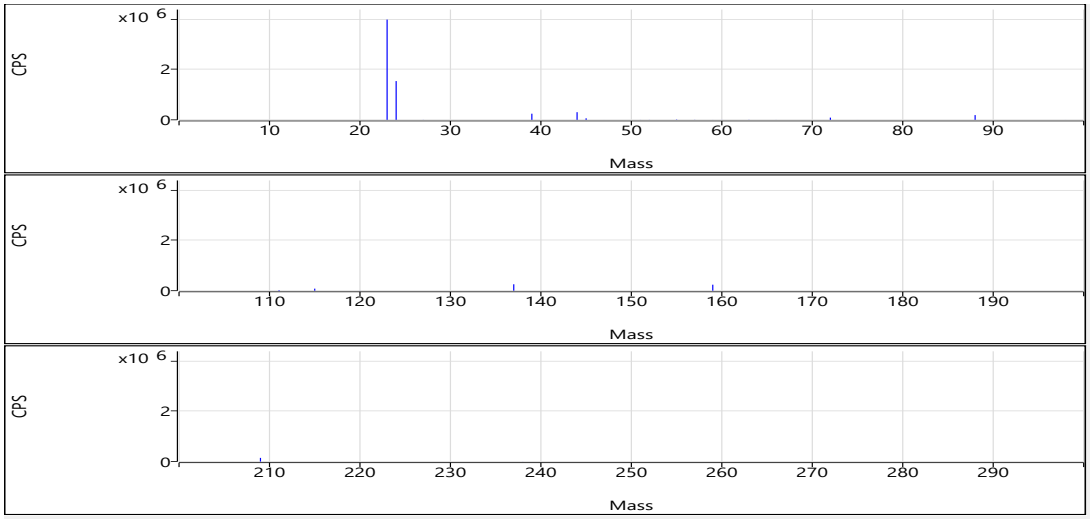


H2



Quantitation Report

He



Quantitation Report

Data File Name	151SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:02:32
Sample Name	410-235127-Q-3-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

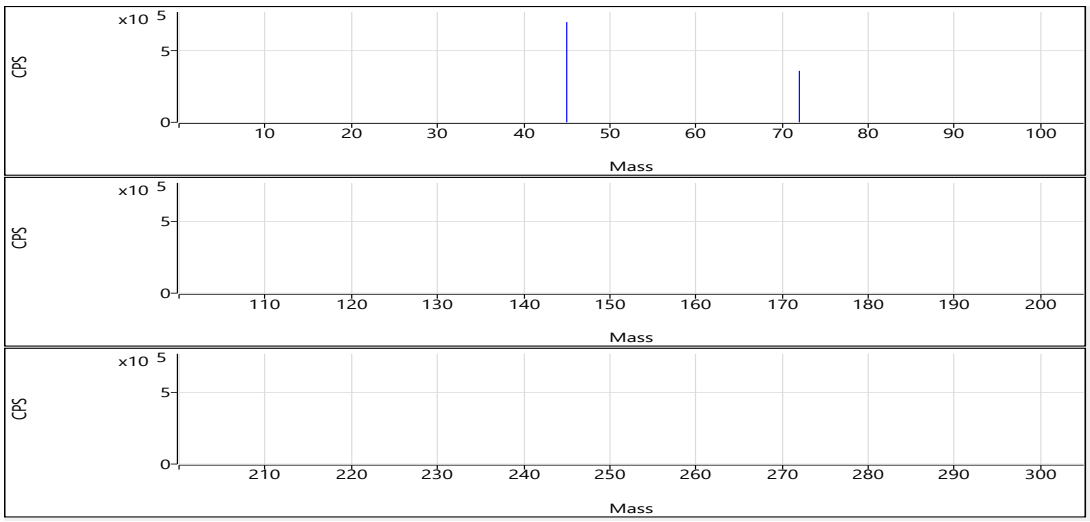
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.035	ppb	N/A	16.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.704	ppb	8.0	167.33	0.0003	Pulse	1.5000	3
Na	23	45	He	72879.021	ppb	2.4	16569786.00	285.6995	Analog	0.1000	3
Mg	24	45	He	24844.996	ppb	2.1	2869441.62	49.4723	Pulse	0.1000	3
Al	27	45	He	14.287	ppb	1.2	733.38	0.0126	Pulse	0.1000	3
K	39	45	He	1839.473	ppb	1.9	228200.70	3.9342	Pulse	0.1000	3
Ca	44	45	He	71388.242	ppb	1.9	409031.75	7.0512	Pulse	0.1000	3
Ti	47	45	He	1.508	ppb	52.6	63.33	0.0011	Pulse	0.1000	3
V	51	45	He	0.984	ppb	8.9	2470.89	0.0426	Pulse	0.5000	3
Cr	52	72	He	0.355	ppb	26.3	2663.67	0.0294	Pulse	0.1000	3
Mn	55	45	He	1.317	ppb	4.0	1453.46	0.0251	Pulse	0.1000	3
Fe	57	45	He	27.815	ppb	11.3	1260.10	0.0217	Pulse	0.1000	3
Co	59	72	He	0.616	ppb	8.3	2176.90	0.0241	Pulse	0.1000	3
Ni	60	115	He	3.322	ppb	4.2	4220.76	0.0533	Pulse	0.1000	3
Cu	63	115	He	0.608	ppb	8.8	1803.52	0.0228	Pulse	0.1000	3
Zn	66	72	He	100.309	ppb	3.5	29404.05	0.3249	Pulse	0.1000	3
As	75	72	He	3.000	ppb	5.4	740.02	0.0082	Pulse	0.5000	3
Sr	88	72	He	322.436	ppb	2.8	386523.80	4.2712	Pulse	0.1000	3
Mo	98	72	He	0.197	ppb	2.0	420.02	0.0046	Pulse	0.1000	3
Ag	107	115	He	0.012	ppb	45.6	80.00	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.007	ppb	93.0	5.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	0.221	ppb	259.4	4820.55	0.0610	Pulse	0.1000	3
Sb	121	115	He	0.061	ppb	46.6	106.67	0.0013	Pulse	0.1000	3
Ba	137	115	He	202.463	ppb	1.1	99888.04	1.2621	Pulse	0.1000	3
Tl	205	209	He	0.015	ppb	42.1	153.34	0.0011	Pulse	0.1000	3
Pb	208	209	He	0.056	ppb	34.5	710.04	0.0052	Pulse	0.1000	3
U	238	209	He	2.184	ppb	0.6	15843.67	0.1152	Pulse	0.1000	3

ISTD Table:

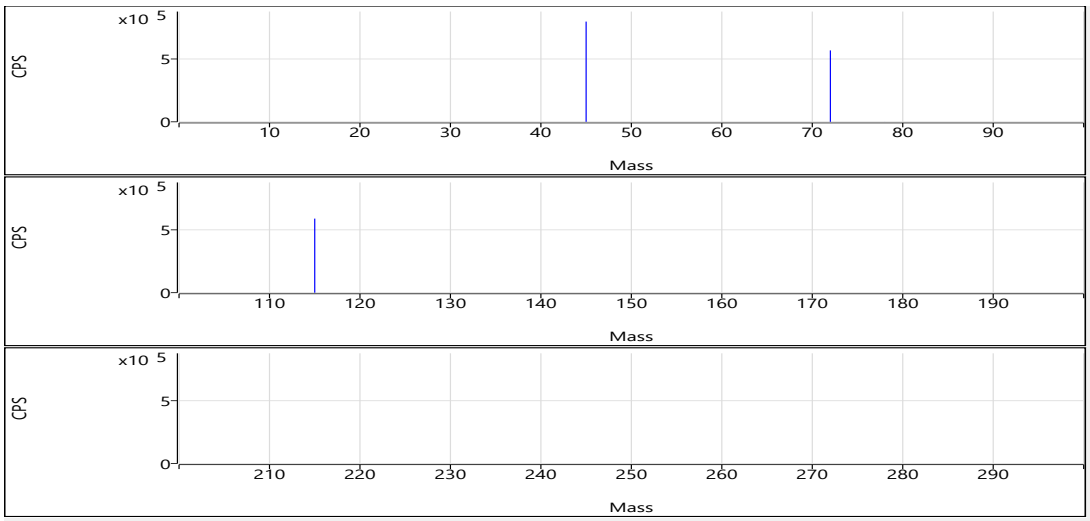
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	704292.52	0.7	103.0	Pulse	0.1000	3
No Gas	Ge	72	361619.67	0.5	100.0	Pulse	0.1000	3
H2	Sc	45	801432.72	1.1	103.6	Pulse	0.1000	3
H2	Ge	72	570986.51	0.8	105.0	Pulse	0.1000	3
H2	In	115	592330.93	0.2	107.4	Pulse	0.1000	3
He	Sc	45	58015.55	2.1	103.9	Pulse	0.1000	3
He	Ge	72	90524.62	1.7	101.4	Pulse	0.1000	3
He	In	115	79157.23	2.0	104.2	Pulse	0.1000	3
He	Tb	159	226904.76	0.5	103.2	Pulse	0.1000	3
He	Bi	209	137510.02	1.5	99.8	Pulse	0.1000	3

No Gas

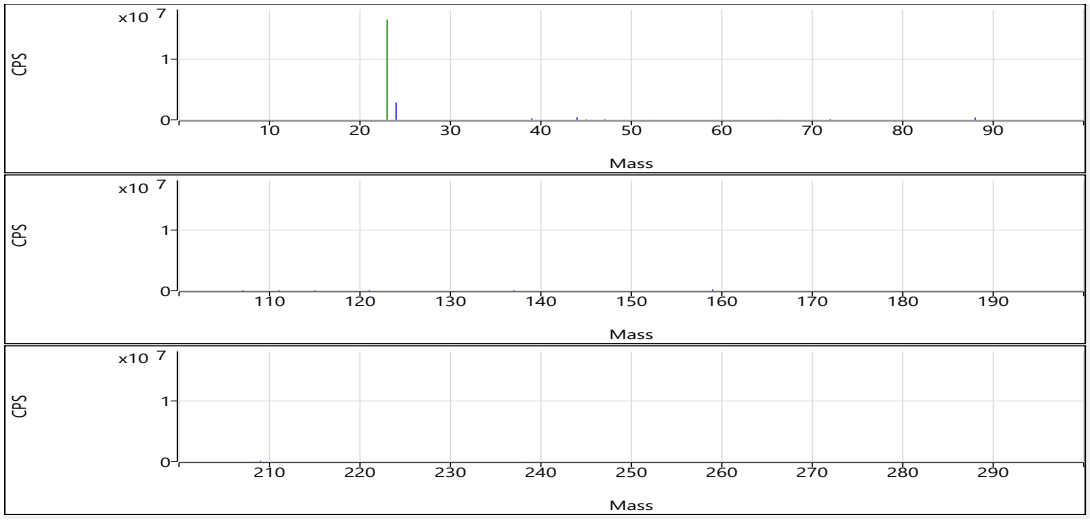


H2



Quantitation Report

He



Quantitation Report

Data File Name	152SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:04:37
Sample Name	410-235127-Q-2-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

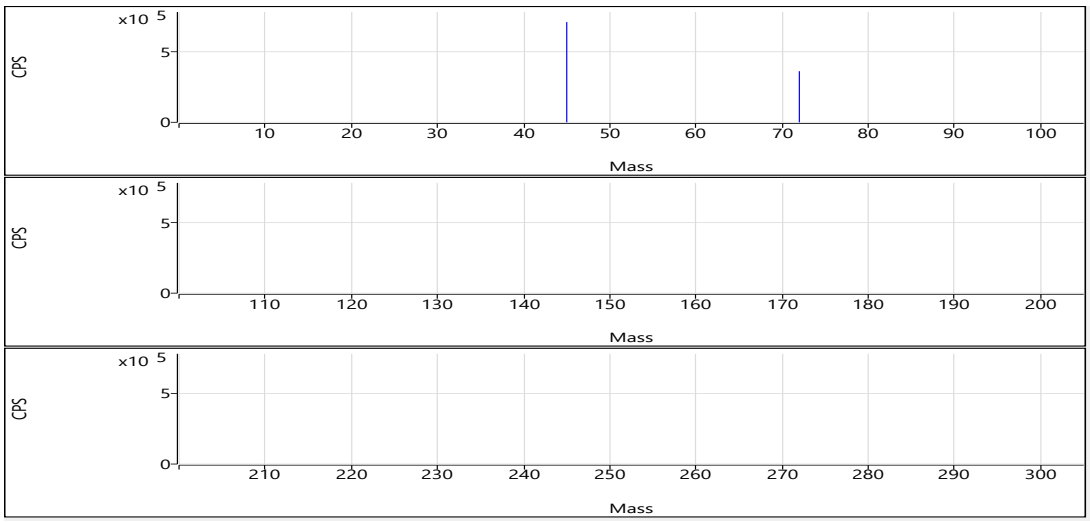
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.006	ppb	426.6	25.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.749	ppb	7.5	178.67	0.0003	Pulse	1.5000	3
Na	23	45	He	71794.539	ppb	2.1	16981556.42	281.4521	Analog	0.1000	3
Mg	24	45	He	24396.144	ppb	1.4	2931385.89	48.5787	Pulse	0.1000	3
Al	27	45	He	19.972	ppb	9.6	1003.40	0.0166	Pulse	0.1000	3
K	39	45	He	1811.426	ppb	1.7	234243.02	3.8820	Pulse	0.1000	3
Ca	44	45	He	70256.662	ppb	2.0	418705.27	6.9395	Pulse	0.1000	3
Ti	47	45	He	0.481	ppb	105.7	23.33	0.0004	Pulse	0.1000	3
V	51	45	He	0.002	ppb	2432.1	1016.71	0.0169	Pulse	0.5000	3
Cr	52	72	He	-0.114	ppb	N/A	1873.52	0.0201	Pulse	0.1000	3
Mn	55	45	He	1.136	ppb	7.2	1343.45	0.0222	Pulse	0.1000	3
Fe	57	45	He	10.568	ppb	10.2	660.04	0.0109	Pulse	0.1000	3
Co	59	72	He	0.582	ppb	5.4	2136.90	0.0228	Pulse	0.1000	3
Ni	60	115	He	3.076	ppb	6.5	4097.43	0.0505	Pulse	0.1000	3
Cu	63	115	He	0.150	ppb	10.2	653.37	0.0081	Pulse	0.1000	3
Zn	66	72	He	97.438	ppb	1.2	29517.52	0.3156	Pulse	0.1000	3
As	75	72	He	2.897	ppb	8.2	740.69	0.0079	Pulse	0.5000	3
Sr	88	72	He	320.953	ppb	1.5	397479.73	4.2516	Pulse	0.1000	3
Mo	98	72	He	0.037	ppb	39.0	126.67	0.0014	Pulse	0.1000	3
Ag	107	115	He	0.003	ppb	48.7	46.67	0.0006	Pulse	0.1000	3
Cd	111	115	He	0.018	ppb	70.9	10.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.544	ppb	N/A	3760.66	0.0464	Pulse	0.1000	3
Sb	121	115	He	0.068	ppb	63.5	120.01	0.0015	Pulse	0.1000	3
Ba	137	115	He	204.664	ppb	0.5	103519.98	1.2758	Pulse	0.1000	3
Tl	205	209	He	0.009	ppb	29.4	126.67	0.0009	Pulse	0.1000	3
Pb	208	209	He	-0.008	ppb	N/A	243.34	0.0017	Pulse	0.1000	3
U	238	209	He	1.668	ppb	2.2	12593.18	0.0882	Pulse	0.1000	3

ISTD Table:

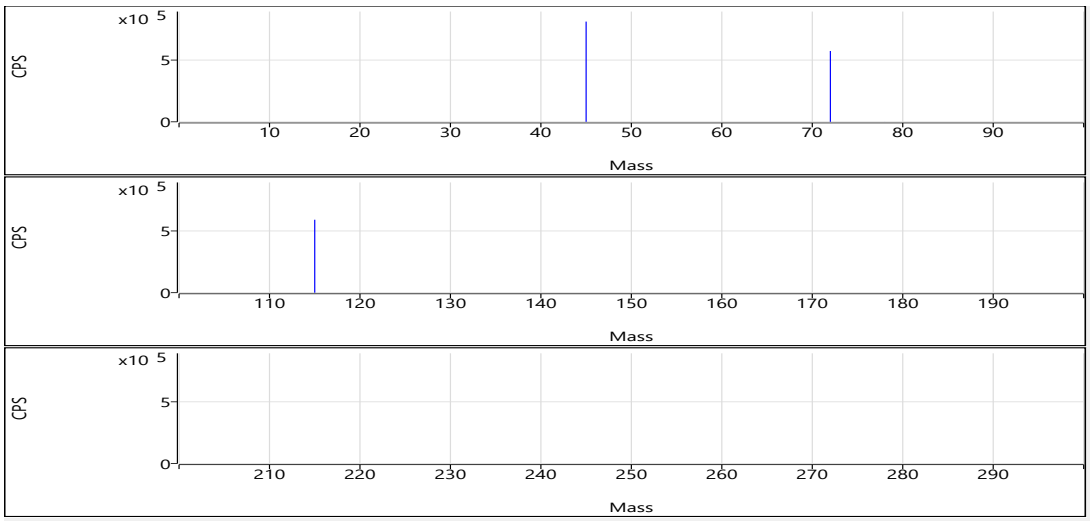
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	707082.65	0.3	103.4	Pulse	0.1000	3
No Gas	Ge	72	360453.72	0.7	99.7	Pulse	0.1000	3
H2	Sc	45	814390.79	0.5	105.3	Pulse	0.1000	3
H2	Ge	72	575475.37	0.7	105.8	Pulse	0.1000	3
H2	In	115	592796.26	0.9	107.5	Pulse	0.1000	3
He	Sc	45	60351.83	2.0	108.1	Pulse	0.1000	3
He	Ge	72	93509.69	2.2	104.7	Pulse	0.1000	3
He	In	115	81139.84	1.3	106.9	Pulse	0.1000	3
He	Tb	159	233740.43	0.6	106.3	Pulse	0.1000	3
He	Bi	209	142789.58	1.2	103.6	Pulse	0.1000	3

No Gas

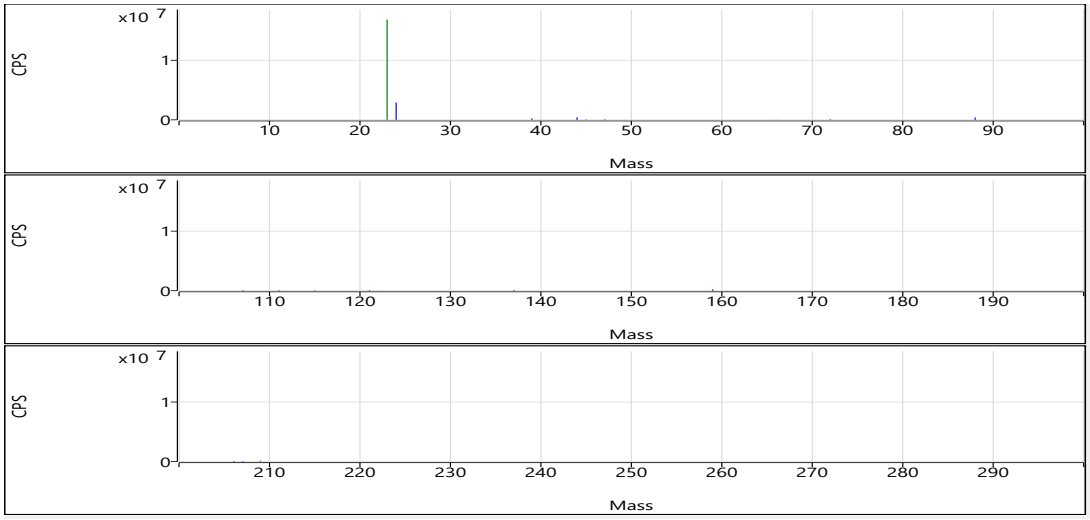


H2



Quantitation Report

He



Quantitation Report

Data File Name	153SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:06:42
Sample Name	410-235127-Q-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

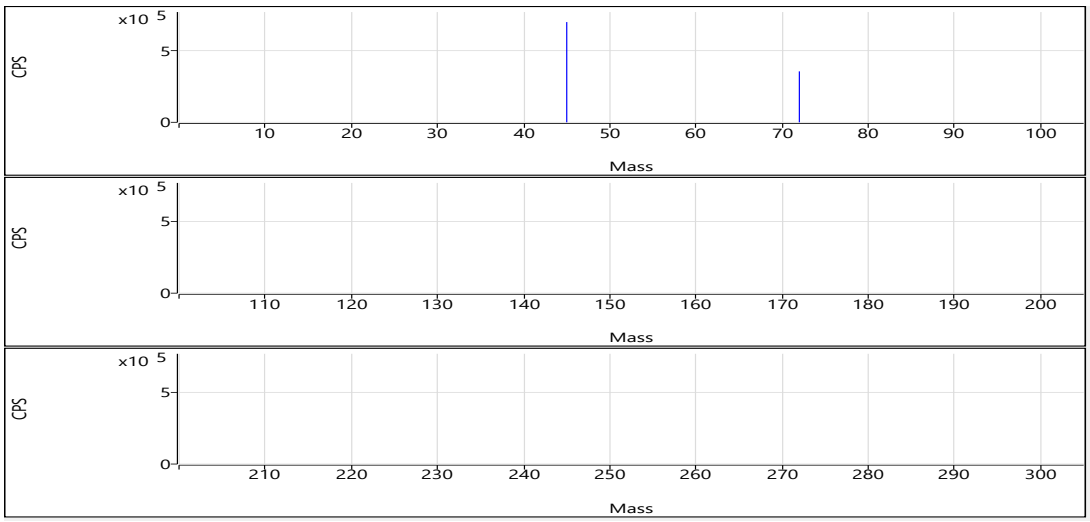
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.085	ppb	29.2	42.00	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.864	ppb	4.7	206.89	0.0004	Pulse	1.5000	3
Na	23	45	He	72841.861	ppb	1.9	17010417.25	285.5540	Analog	0.1000	3
Mg	24	45	He	24609.961	ppb	1.6	2919334.33	49.0044	Pulse	0.1000	3
Al	27	45	He	16.605	ppb	3.2	850.06	0.0143	Pulse	0.1000	3
K	39	45	He	1829.965	ppb	2.8	233285.95	3.9165	Pulse	0.1000	3
Ca	44	45	He	70704.829	ppb	0.7	416113.92	6.9838	Pulse	0.1000	3
Ti	47	45	He	1.063	ppb	90.0	46.67	0.0008	Pulse	0.1000	3
V	51	45	He	0.019	ppb	220.7	1030.04	0.0173	Pulse	0.5000	3
Cr	52	72	He	-0.098	ppb	N/A	1890.19	0.0204	Pulse	0.1000	3
Mn	55	45	He	1.029	ppb	20.6	1223.43	0.0206	Pulse	0.1000	3
Fe	57	45	He	9.308	ppb	18.5	603.37	0.0101	Pulse	0.1000	3
Co	59	72	He	0.546	ppb	4.3	2003.53	0.0216	Pulse	0.1000	3
Ni	60	115	He	3.298	ppb	1.0	4247.43	0.0531	Pulse	0.1000	3
Cu	63	115	He	0.120	ppb	22.9	570.03	0.0071	Pulse	0.1000	3
Zn	66	72	He	94.265	ppb	1.7	28365.34	0.3054	Pulse	0.1000	3
As	75	72	He	2.852	ppb	6.7	725.36	0.0078	Pulse	0.5000	3
Sr	88	72	He	325.548	ppb	1.2	400491.35	4.3124	Pulse	0.1000	3
Mo	98	72	He	0.053	ppb	29.5	156.68	0.0017	Pulse	0.1000	3
Ag	107	115	He	0.008	ppb	146.4	63.33	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.014	ppb	100.5	8.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.619	ppb	N/A	3593.94	0.0449	Pulse	0.1000	3
Sb	121	115	He	0.092	ppb	17.5	150.01	0.0019	Pulse	0.1000	3
Ba	137	115	He	209.142	ppb	0.3	104374.06	1.3036	Pulse	0.1000	3
Tl	205	209	He	0.053	ppb	8.7	376.69	0.0027	Pulse	0.1000	3
Pb	208	209	He	-0.005	ppb	N/A	263.34	0.0019	Pulse	0.1000	3
U	238	209	He	0.941	ppb	2.6	7105.55	0.0502	Pulse	0.1000	3

ISTD Table:

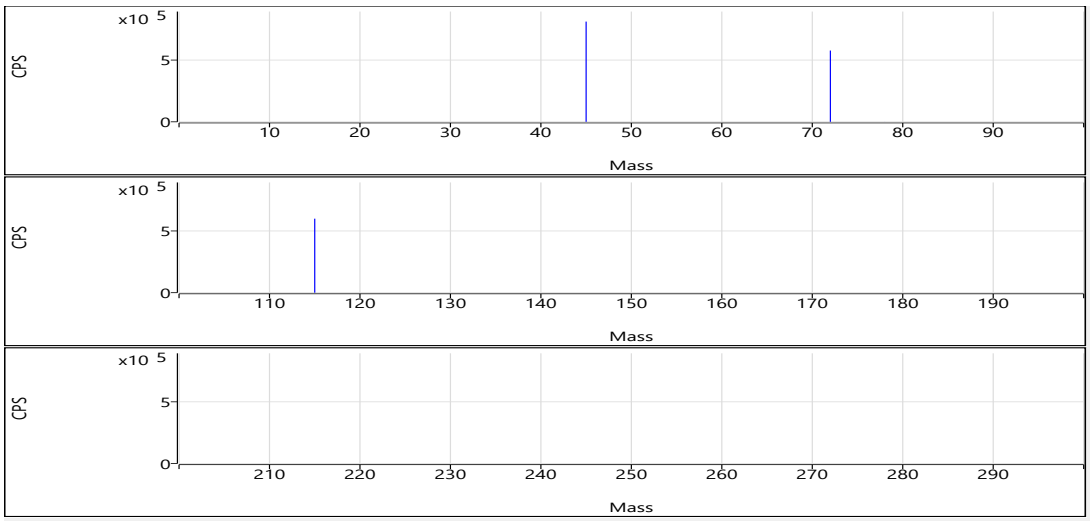
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	702971.29	0.3	102.8	Pulse	0.1000	3
No Gas	Ge	72	357238.03	0.4	98.8	Pulse	0.1000	3
H2	Sc	45	816873.35	0.1	105.6	Pulse	0.1000	3
H2	Ge	72	580811.95	0.2	106.8	Pulse	0.1000	3
H2	In	115	603244.48	0.6	109.4	Pulse	0.1000	3
He	Sc	45	59588.80	2.6	106.8	Pulse	0.1000	3
He	Ge	72	92881.58	1.9	104.0	Pulse	0.1000	3
He	In	115	80065.27	2.2	105.4	Pulse	0.1000	3
He	Tb	159	234439.67	1.8	106.7	Pulse	0.1000	3
He	Bi	209	141666.17	1.1	102.8	Pulse	0.1000	3

No Gas

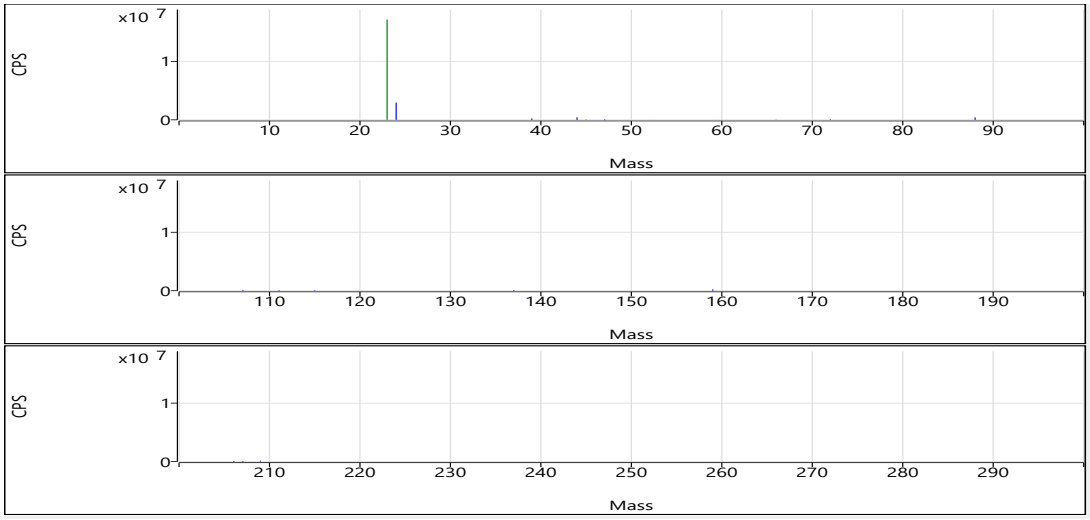


H2



Quantitation Report

He



Quantitation Report

Data File Name	154SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:08:47
Sample Name	410-235127-N-4-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

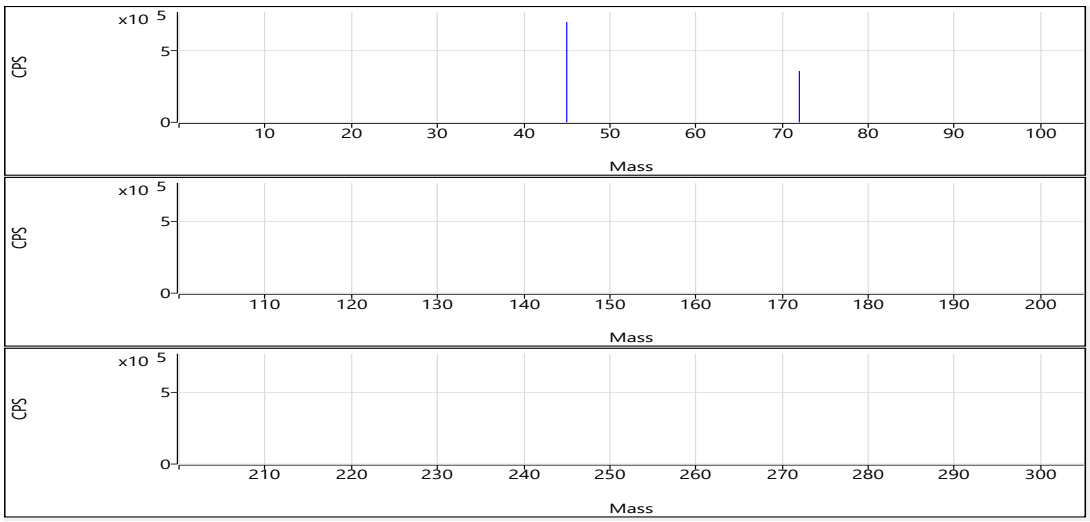
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.060	ppb	N/A	11.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.727	ppb	12.2	174.00	0.0003	Pulse	1.5000	3
Na	23	45	He	72262.959	ppb	1.1	16722932.25	283.2867	Analog	0.1000	3
Mg	24	45	He	24654.897	ppb	0.7	2897989.02	49.0938	Pulse	0.1000	3
Al	27	45	He	9.738	ppb	37.6	556.70	0.0095	Pulse	0.1000	3
K	39	45	He	1837.343	ppb	1.0	231969.29	3.9302	Pulse	0.1000	3
Ca	44	45	He	70735.228	ppb	1.4	412437.34	6.9868	Pulse	0.1000	3
Ti	47	45	He	1.225	ppb	41.8	53.33	0.0009	Pulse	0.1000	3
V	51	45	He	1.094	ppb	4.7	2684.93	0.0455	Pulse	0.5000	3
Cr	52	72	He	0.523	ppb	21.8	3030.41	0.0328	Pulse	0.1000	3
Mn	55	45	He	1.365	ppb	6.0	1523.46	0.0258	Pulse	0.1000	3
Fe	57	45	He	32.394	ppb	4.0	1453.45	0.0246	Pulse	0.1000	3
Co	59	72	He	0.635	ppb	7.8	2286.94	0.0247	Pulse	0.1000	3
Ni	60	115	He	3.354	ppb	5.4	4397.50	0.0537	Pulse	0.1000	3
Cu	63	115	He	0.500	ppb	12.6	1580.14	0.0193	Pulse	0.1000	3
Zn	66	72	He	99.997	ppb	1.4	29968.60	0.3239	Pulse	0.1000	3
As	75	72	He	3.050	ppb	3.7	768.03	0.0083	Pulse	0.5000	3
Sr	88	72	He	322.510	ppb	2.7	395190.92	4.2722	Pulse	0.1000	3
Mo	98	72	He	0.209	ppb	18.7	453.36	0.0049	Pulse	0.1000	3
Ag	107	115	He	-0.002	ppb	N/A	26.67	0.0003	Pulse	0.1000	3
Cd	111	115	He	0.012	ppb	156.9	8.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.607	ppb	N/A	3693.96	0.0451	Pulse	0.1000	3
Sb	121	115	He	0.049	ppb	44.3	93.33	0.0011	Pulse	0.1000	3
Ba	137	115	He	198.565	ppb	0.6	101301.36	1.2378	Pulse	0.1000	3
Tl	205	209	He	0.032	ppb	11.6	260.01	0.0018	Pulse	0.1000	3
Pb	208	209	He	0.063	ppb	13.5	796.71	0.0055	Pulse	0.1000	3
U	238	209	He	2.084	ppb	2.2	15810.19	0.1100	Pulse	0.1000	3

ISTD Table:

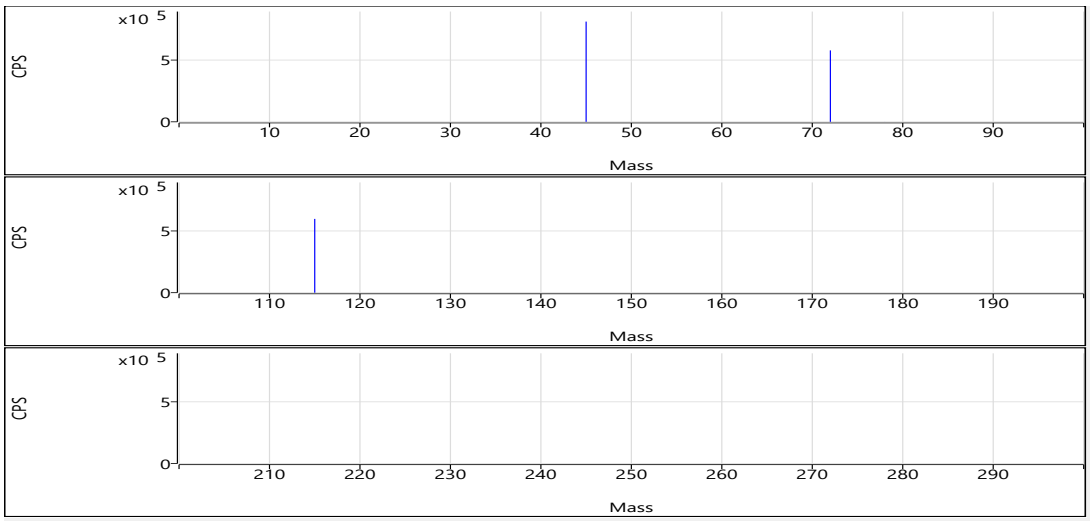
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	700291.55	0.8	102.4	Pulse	0.1000	3
No Gas	Ge	72	358405.67	0.6	99.1	Pulse	0.1000	3
H2	Sc	45	808926.19	1.1	104.6	Pulse	0.1000	3
H2	Ge	72	576386.75	0.9	106.0	Pulse	0.1000	3
H2	In	115	595558.33	1.4	108.0	Pulse	0.1000	3
He	Sc	45	59026.08	1.3	105.7	Pulse	0.1000	3
He	Ge	72	92536.63	2.8	103.6	Pulse	0.1000	3
He	In	115	81847.27	2.0	107.8	Pulse	0.1000	3
He	Tb	159	236276.01	2.6	107.5	Pulse	0.1000	3
He	Bi	209	143728.33	1.8	104.3	Pulse	0.1000	3

No Gas

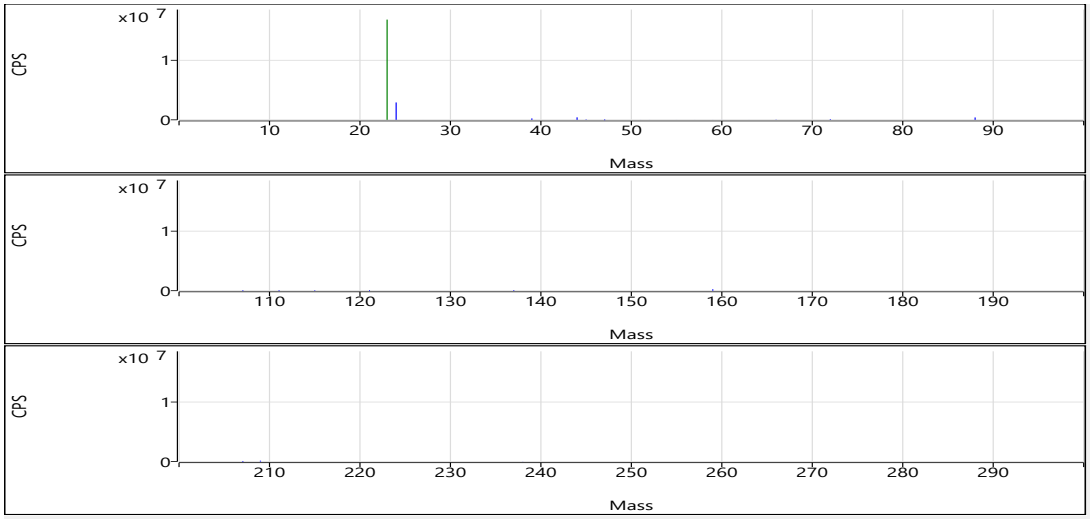


H2



Quantitation Report

He



Quantitation Report

Data File Name	155SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:10:53
Sample Name	410-235127-Q-5-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

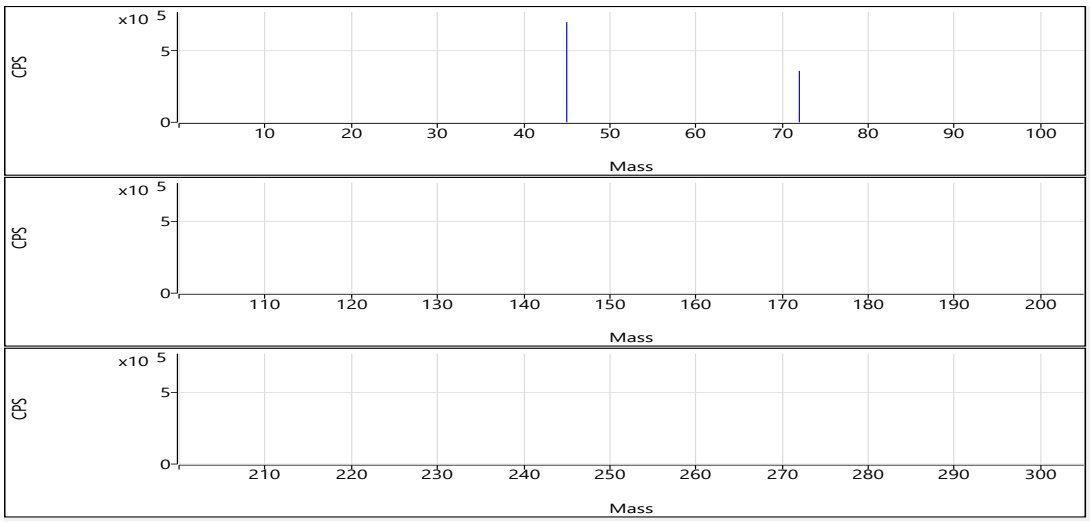
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.057	ppb	N/A	12.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.755	ppb	5.0	177.33	0.0003	Pulse	1.5000	3
Na	23	45	He	71093.750	ppb	1.8	16903193.50	278.7074	Analog	0.1000	3
Mg	24	45	He	24491.243	ppb	2.0	2957664.96	48.7680	Pulse	0.1000	3
Al	27	45	He	10.530	ppb	12.1	606.70	0.0100	Pulse	0.1000	3
K	39	45	He	1807.656	ppb	3.2	234985.90	3.8750	Pulse	0.1000	3
Ca	44	45	He	70455.077	ppb	0.8	422121.77	6.9591	Pulse	0.1000	3
Ti	47	45	He	0.796	ppb	70.3	36.67	0.0006	Pulse	0.1000	3
V	51	45	He	1.042	ppb	4.4	2676.93	0.0441	Pulse	0.5000	3
Cr	52	72	He	0.360	ppb	15.3	2823.70	0.0295	Pulse	0.1000	3
Mn	55	45	He	1.056	ppb	5.8	1273.43	0.0210	Pulse	0.1000	3
Fe	57	45	He	30.433	ppb	9.1	1420.12	0.0234	Pulse	0.1000	3
Co	59	72	He	0.619	ppb	7.6	2313.60	0.0242	Pulse	0.1000	3
Ni	60	115	He	2.900	ppb	7.7	4007.37	0.0484	Pulse	0.1000	3
Cu	63	115	He	0.426	ppb	5.7	1400.12	0.0169	Pulse	0.1000	3
Zn	66	72	He	99.317	ppb	0.5	30766.85	0.3217	Pulse	0.1000	3
As	75	72	He	3.026	ppb	2.3	788.70	0.0082	Pulse	0.5000	3
Sr	88	72	He	319.392	ppb	1.5	404640.23	4.2309	Pulse	0.1000	3
Mo	98	72	He	0.178	ppb	16.6	406.69	0.0043	Pulse	0.1000	3
Ag	107	115	He	0.007	ppb	79.2	63.33	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.011	ppb	83.0	7.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.326	ppb	N/A	4180.76	0.0505	Pulse	0.1000	3
Sb	121	115	He	0.039	ppb	78.8	80.00	0.0010	Pulse	0.1000	3
Ba	137	115	He	200.720	ppb	2.1	103547.42	1.2512	Pulse	0.1000	3
Tl	205	209	He	0.022	ppb	35.4	203.34	0.0014	Pulse	0.1000	3
Pb	208	209	He	0.061	ppb	9.4	793.37	0.0054	Pulse	0.1000	3
U	238	209	He	2.199	ppb	1.5	16958.36	0.1160	Pulse	0.1000	3

ISTD Table:

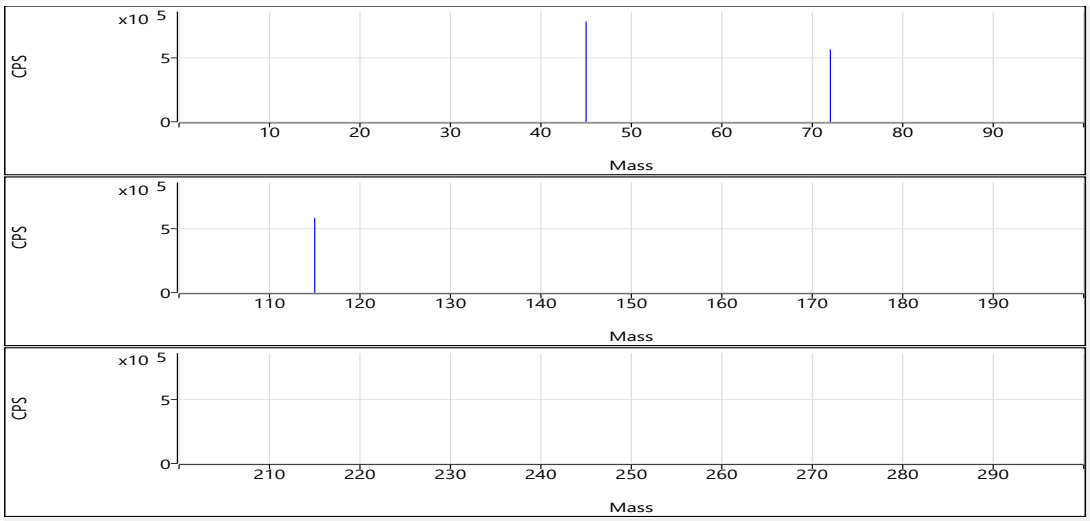
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	704039.44	0.6	103.0	Pulse	0.1000	3
No Gas	Ge	72	361442.73	0.5	99.9	Pulse	0.1000	3
H2	Sc	45	786211.32	2.2	101.6	Pulse	0.1000	3
H2	Ge	72	566445.94	0.9	104.1	Pulse	0.1000	3
H2	In	115	585833.78	0.2	106.2	Pulse	0.1000	3
He	Sc	45	60663.00	2.0	108.7	Pulse	0.1000	3
He	Ge	72	95643.58	0.5	107.1	Pulse	0.1000	3
He	In	115	82769.59	1.3	109.0	Pulse	0.1000	3
He	Tb	159	238301.05	0.5	108.4	Pulse	0.1000	3
He	Bi	209	146160.78	0.7	106.1	Pulse	0.1000	3

No Gas

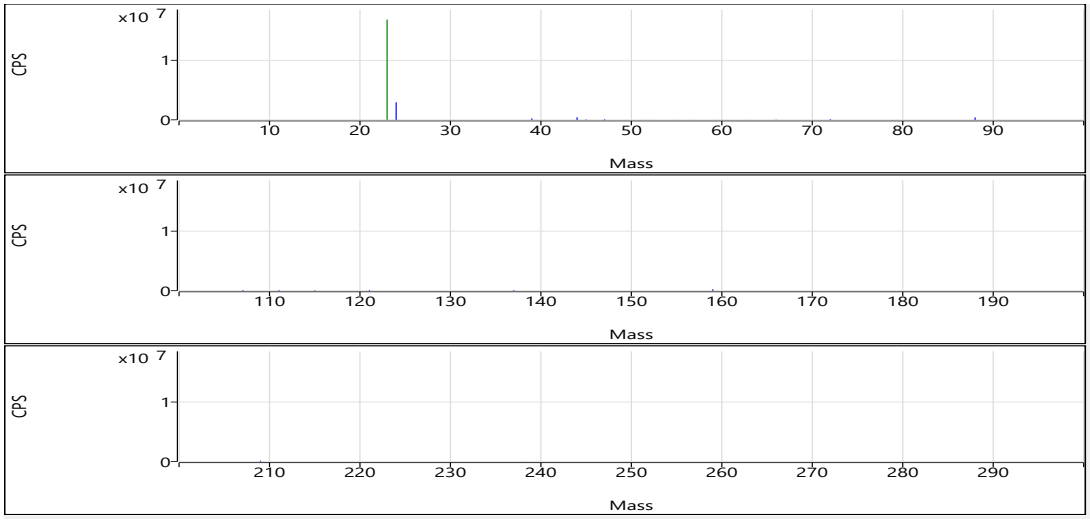


H2



Quantitation Report

He



Quantitation Report

Data File Name	157_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:15:05
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

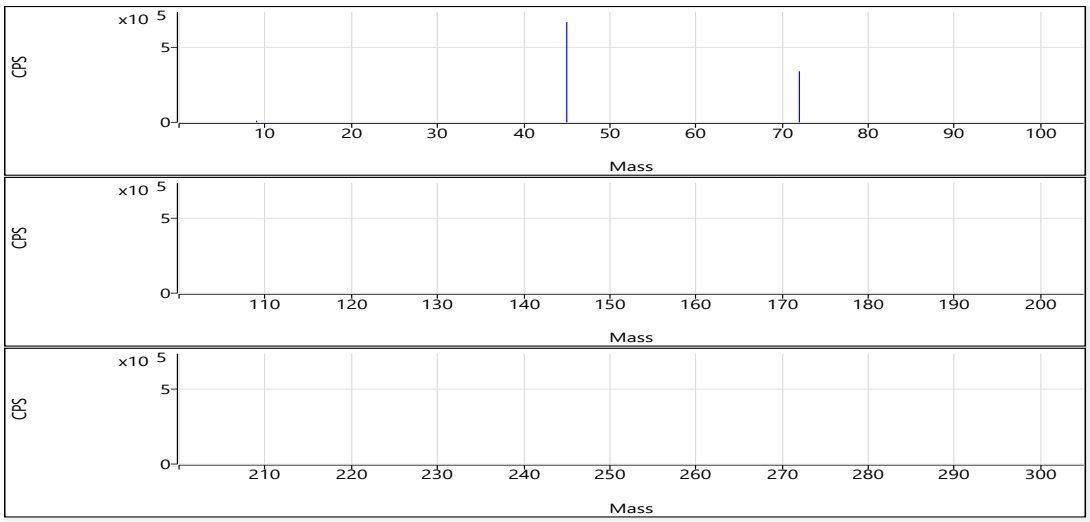
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	53.744	ppb	1.1	10829.27	0.0161	Pulse	0.5000	3
Se	78	72	H2	52.107	ppb	0.4	11125.62	0.0207	Pulse	1.5000	3
Na	23	45	He	5056.810	ppb	1.4	1166175.66	20.0721	Pulse	0.1000	3
Mg	24	45	He	5039.369	ppb	1.0	583549.43	10.0432	Pulse	0.1000	3
Al	27	45	He	5057.110	ppb	1.4	206038.97	3.5462	Pulse	0.1000	3
K	39	45	He	5115.211	ppb	1.6	582706.31	10.0294	Pulse	0.1000	3
Ca	44	45	He	5167.530	ppb	3.7	29881.14	0.5146	Pulse	0.1000	3
Ti	47	45	He	4993.209	ppb	1.4	199749.58	3.4381	Pulse	0.1000	3
V	51	45	He	505.420	ppb	1.3	770747.56	13.2659	Pulse	0.5000	3
Cr	52	72	He	520.893	ppb	1.1	942276.81	10.4308	Pulse	0.1000	3
Mn	55	45	He	506.946	ppb	1.6	459421.45	7.9079	Pulse	0.1000	3
Fe	57	45	He	5005.296	ppb	1.5	182618.39	3.1433	Pulse	0.1000	3
Co	59	72	He	522.041	ppb	1.1	1685655.60	18.6597	Pulse	0.1000	3
Ni	60	115	He	499.647	ppb	0.8	461488.36	5.8259	Pulse	0.1000	3
Cu	63	115	He	501.041	ppb	0.4	1275161.41	16.0982	Pulse	0.1000	3
Zn	66	72	He	525.313	ppb	0.6	153343.03	1.6971	Pulse	0.1000	3
As	75	72	He	525.614	ppb	0.9	119138.45	1.3188	Pulse	0.5000	3
Sr	88	72	He	51.745	ppb	0.9	62183.08	0.6882	Pulse	0.1000	3
Mo	98	72	He	52.146	ppb	2.2	96790.88	1.0717	Pulse	0.1000	3
Ag	107	115	He	50.335	ppb	1.1	184843.67	2.3334	Pulse	0.1000	3
Cd	111	115	He	50.446	ppb	1.2	23344.04	0.2947	Pulse	0.5000	3
Sn	120	115	He	49.986	ppb	1.7	80301.58	1.0138	Pulse	0.1000	3
Sb	121	115	He	51.315	ppb	0.8	69306.21	0.8751	Pulse	0.1000	3
Ba	137	115	He	507.880	ppb	1.5	250627.22	3.1640	Pulse	0.1000	3
Tl	205	209	He	51.347	ppb	0.9	296370.48	2.0833	Pulse	0.1000	3
Pb	208	209	He	50.736	ppb	0.9	390058.77	2.7419	Pulse	0.1000	3
U	238	209	He	50.626	ppb	0.7	377362.17	2.6523	Pulse	0.1000	3

ISTD Table:

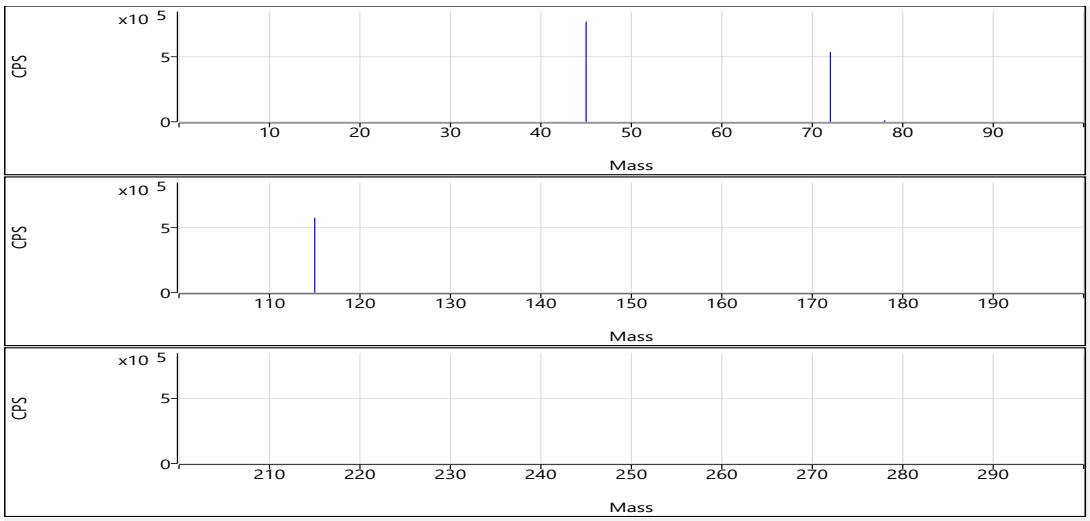
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	671240.56	1.3	98.2	Pulse	0.1000	3
No Gas	Ge	72	341863.64	1.4	94.5	Pulse	0.1000	3
H2	Sc	45	772594.23	2.0	99.9	Pulse	0.1000	3
H2	Ge	72	538571.50	1.3	99.0	Pulse	0.1000	3
H2	In	115	577779.82	0.4	104.8	Pulse	0.1000	3
He	Sc	45	58115.80	3.2	104.1	Pulse	0.1000	3
He	Ge	72	90356.49	3.0	101.2	Pulse	0.1000	3
He	In	115	79208.39	1.6	104.3	Pulse	0.1000	3
He	Tb	159	233133.33	2.7	106.1	Pulse	0.1000	3
He	Bi	209	142273.75	2.5	103.3	Pulse	0.1000	3

No Gas

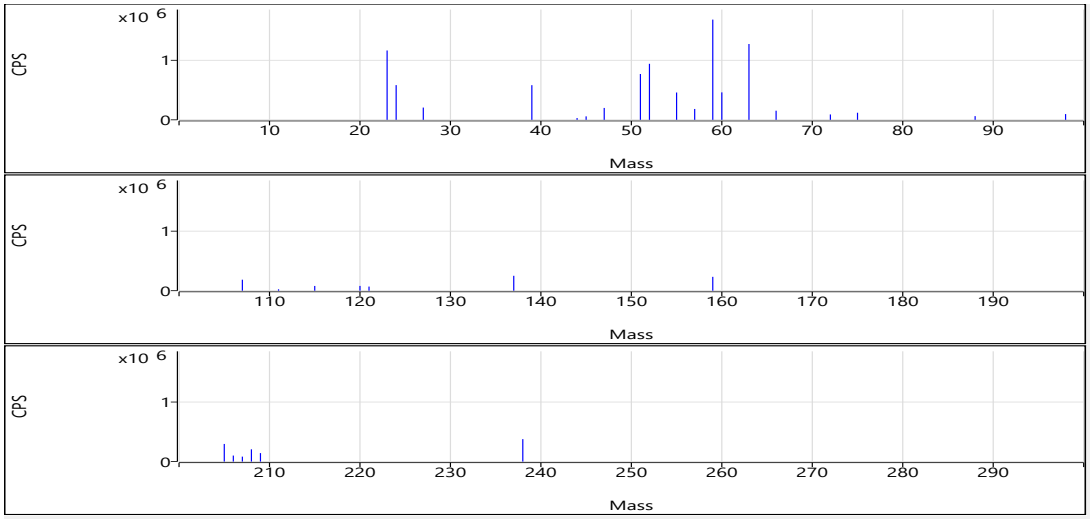


H2



Quantitation Report

He



Quantitation Report

Data File Name	159_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:19:18
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

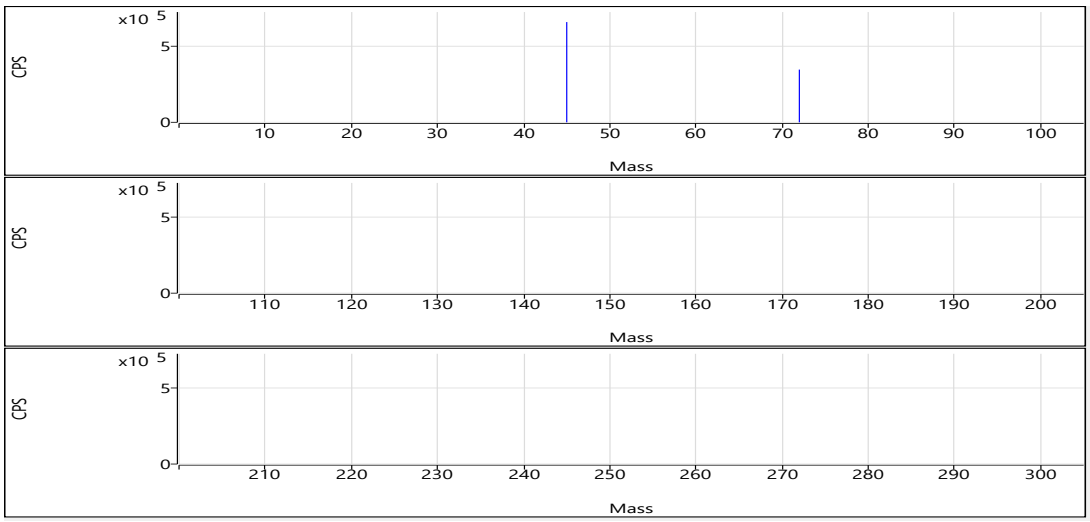
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.037	ppb	N/A	15.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.107	ppb	23.3	30.89	0.0001	Pulse	1.5000	3
Na	23	45	He	60.236	ppb	7.3	28965.59	0.5029	Pulse	0.1000	3
Mg	24	45	He	27.441	ppb	11.3	3770.61	0.0654	Pulse	0.1000	3
Al	27	45	He	4.672	ppb	8.7	340.02	0.0059	Pulse	0.1000	3
K	39	45	He	1.983	ppb	1213.9	29647.35	0.5152	Pulse	0.1000	3
Ca	44	45	He	56.837	ppb	40.2	580.03	0.0101	Pulse	0.1000	3
Ti	47	45	He	2.768	ppb	21.9	113.34	0.0020	Pulse	0.1000	3
V	51	45	He	0.207	ppb	1.7	1280.73	0.0222	Pulse	0.5000	3
Cr	52	72	He	0.052	ppb	178.6	2120.24	0.0234	Pulse	0.1000	3
Mn	55	45	He	0.393	ppb	27.2	613.37	0.0107	Pulse	0.1000	3
Fe	57	45	He	1.351	ppb	72.8	296.68	0.0051	Pulse	0.1000	3
Co	59	72	He	0.140	ppb	24.4	640.03	0.0070	Pulse	0.1000	3
Ni	60	115	He	0.135	ppb	93.2	1296.77	0.0163	Pulse	0.1000	3
Cu	63	115	He	0.159	ppb	26.1	666.71	0.0084	Pulse	0.1000	3
Zn	66	72	He	0.212	ppb	9.9	153.34	0.0017	Pulse	0.1000	3
As	75	72	He	0.398	ppb	28.9	150.00	0.0017	Pulse	0.5000	3
Sr	88	72	He	0.197	ppb	32.0	536.70	0.0059	Pulse	0.1000	3
Mo	98	72	He	0.077	ppb	22.3	196.68	0.0022	Pulse	0.1000	3
Ag	107	115	He	0.003	ppb	47.8	46.67	0.0006	Pulse	0.1000	3
Cd	111	115	He	0.017	ppb	67.9	10.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.039	ppb	N/A	4460.89	0.0560	Pulse	0.1000	3
Sb	121	115	He	0.051	ppb	18.5	93.33	0.0012	Pulse	0.1000	3
Ba	137	115	He	0.273	ppb	18.7	233.34	0.0029	Pulse	0.1000	3
Tl	205	209	He	0.038	ppb	7.4	293.35	0.0021	Pulse	0.1000	3
Pb	208	209	He	0.000	ppb	N/A	300.01	0.0021	Pulse	0.1000	3
U	238	209	He	0.023	ppb	35.9	290.01	0.0020	Pulse	0.1000	3

ISTD Table:

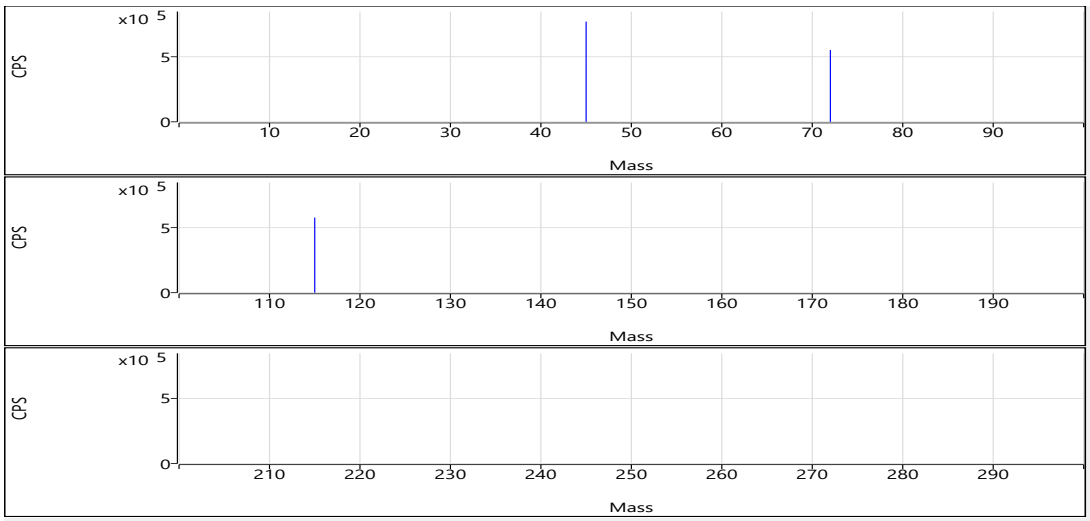
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	662088.04	0.1	96.9	Pulse	0.1000	3
No Gas	Ge	72	348083.42	0.3	96.2	Pulse	0.1000	3
H2	Sc	45	766777.43	0.6	99.1	Pulse	0.1000	3
H2	Ge	72	549498.91	0.6	101.0	Pulse	0.1000	3
H2	In	115	574285.59	0.7	104.1	Pulse	0.1000	3
He	Sc	45	57587.35	1.3	103.2	Pulse	0.1000	3
He	Ge	72	90715.35	1.6	101.6	Pulse	0.1000	3
He	In	115	79645.99	1.4	104.9	Pulse	0.1000	3
He	Tb	159	228192.73	0.7	103.8	Pulse	0.1000	3
He	Bi	209	141895.57	0.4	103.0	Pulse	0.1000	3

No Gas

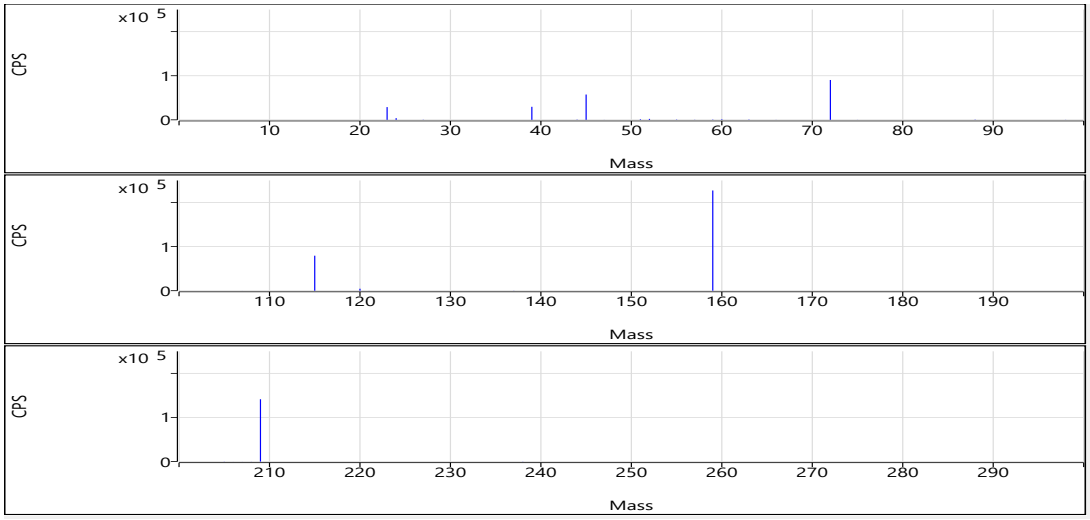


H2



Quantitation Report

He



Quantitation Report

Data File Name	160SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:21:23
Sample Name	630-117388-K-3-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

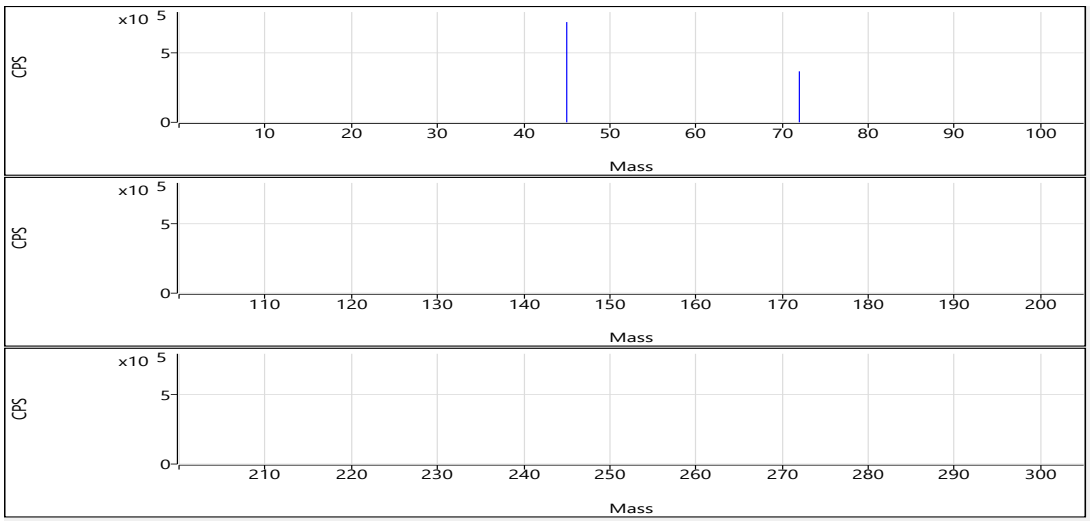
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.532	ppb	27.0	140.67	0.0002	Pulse	0.5000	3
Se	78	72	H2	0.416	ppb	9.1	105.33	0.0002	Pulse	1.5000	3
Na	23	45	He	19380.301	ppb	1.6	4724534.72	76.1704	Analog	0.1000	3
Mg	24	45	He	12340.229	ppb	1.3	1524544.14	24.5778	Pulse	0.1000	3
Al	27	45	He	6128.661	ppb	1.6	266535.69	4.2970	Pulse	0.1000	3
K	39	45	He	4918.633	ppb	2.0	599411.67	9.6636	Pulse	0.1000	3
Ca	44	45	He	42308.813	ppb	1.7	259347.15	4.1808	Pulse	0.1000	3
Ti	47	45	He	187.461	ppb	3.9	8012.51	0.1291	Pulse	0.1000	3
V	51	45	He	28.176	ppb	1.9	46857.26	0.7554	Pulse	0.5000	3
Cr	52	72	He	67.501	ppb	0.4	134703.78	1.3711	Pulse	0.1000	3
Mn	55	45	He	936.231	ppb	2.4	905546.44	14.6005	Pulse	0.1000	3
Fe	57	45	He	16038.176	ppb	1.0	624189.16	10.0625	Pulse	0.1000	3
Co	59	72	He	7.339	ppb	0.0	25970.68	0.2643	Pulse	0.1000	3
Ni	60	115	He	17.850	ppb	2.4	18686.01	0.2223	Pulse	0.1000	3
Cu	63	115	He	38.232	ppb	1.0	103532.63	1.2314	Pulse	0.1000	3
Zn	66	72	He	205.791	ppb	0.5	65378.49	0.6655	Pulse	0.1000	3
As	75	72	He	3.512	ppb	7.6	930.04	0.0095	Pulse	0.5000	3
Sr	88	72	He	140.924	ppb	1.2	183591.88	1.8686	Pulse	0.1000	3
Mo	98	72	He	5.230	ppb	3.5	10610.96	0.1080	Pulse	0.1000	3
Ag	107	115	He	0.121	ppb	23.8	510.03	0.0061	Pulse	0.1000	3
Cd	111	115	He	0.390	ppb	10.9	194.00	0.0023	Pulse	0.5000	3
Sn	120	115	He	0.512	ppb	30.9	5597.98	0.0666	Pulse	0.1000	3
Sb	121	115	He	1.159	ppb	15.0	1690.17	0.0201	Pulse	0.1000	3
Ba	137	115	He	92.047	ppb	0.8	48299.37	0.5744	Pulse	0.1000	3
Tl	205	209	He	0.126	ppb	2.2	846.72	0.0056	Pulse	0.1000	3
Pb	208	209	He	36.524	ppb	1.0	297025.17	1.9744	Pulse	0.1000	3
U	238	209	He	0.662	ppb	2.9	5344.67	0.0355	Pulse	0.1000	3

ISTD Table:

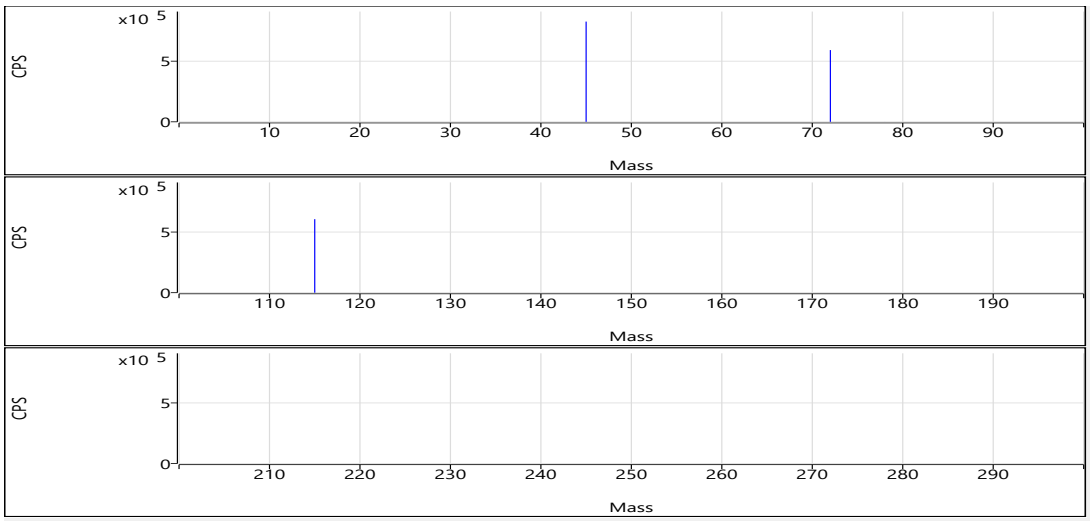
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	727002.52	0.3	106.3	Pulse	0.1000	3
No Gas	Ge	72	369725.80	0.1	102.2	Pulse	0.1000	3
H2	Sc	45	823178.35	0.5	106.4	Pulse	0.1000	3
H2	Ge	72	589199.50	1.1	108.3	Pulse	0.1000	3
H2	In	115	603700.62	0.8	109.5	Pulse	0.1000	3
He	Sc	45	62035.37	1.5	111.1	Pulse	0.1000	3
He	Ge	72	98244.38	0.6	110.0	Pulse	0.1000	3
He	In	115	84075.41	2.0	110.7	Pulse	0.1000	3
He	Tb	159	245624.81	0.9	111.8	Pulse	0.1000	3
He	Bi	209	150438.93	1.1	109.2	Pulse	0.1000	3

No Gas

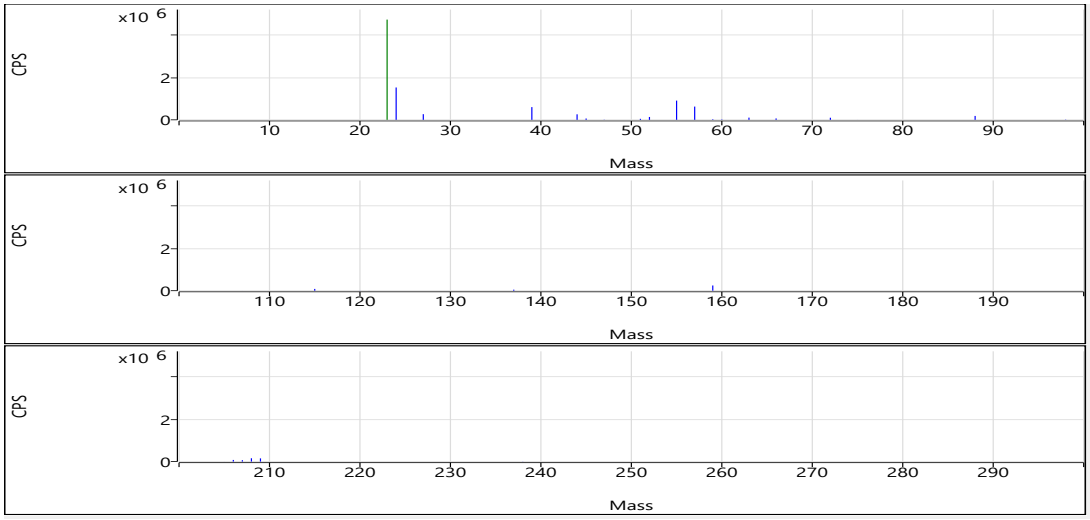


H2



Quantitation Report

He



Quantitation Report

Data File Name	161SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:23:29
Sample Name	630-117367-J-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

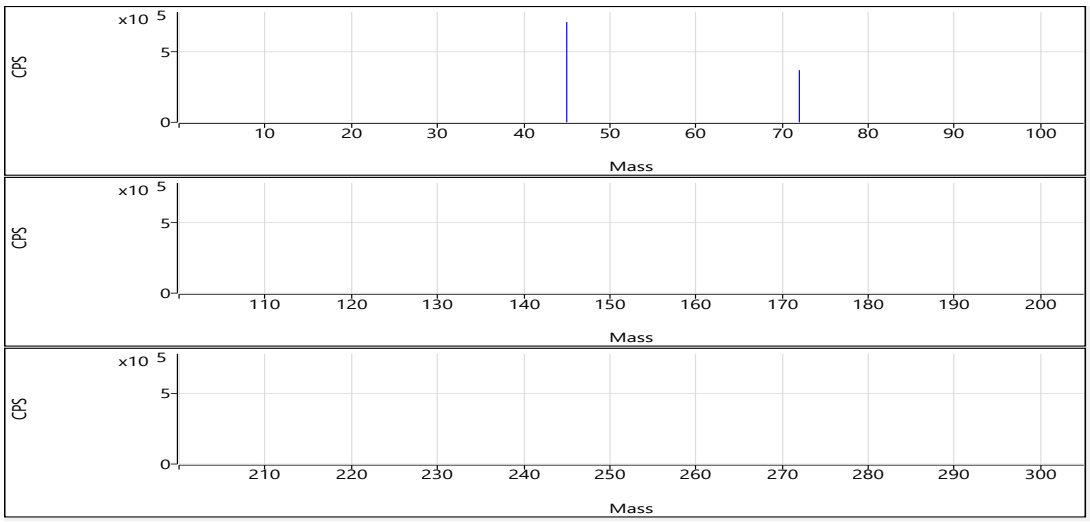
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.061	ppb	N/A	11.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.456	ppb	13.6	109.11	0.0002	Pulse	1.5000	3
Na	23	45	He	25898.136	ppb	2.6	5509150.34	101.6977	Analog	0.1000	3
Mg	24	45	He	10534.910	ppb	2.8	1136654.96	20.9837	Pulse	0.1000	3
Al	27	45	He	13.210	ppb	14.4	643.37	0.0119	Pulse	0.1000	3
K	39	45	He	3073.452	ppb	2.8	337497.44	6.2303	Pulse	0.1000	3
Ca	44	45	He	33672.270	ppb	2.9	180290.09	3.3283	Pulse	0.1000	3
Ti	47	45	He	1.878	ppb	21.6	73.33	0.0014	Pulse	0.1000	3
V	51	45	He	0.436	ppb	10.6	1528.76	0.0282	Pulse	0.5000	3
Cr	52	72	He	0.248	ppb	8.3	2393.61	0.0273	Pulse	0.1000	3
Mn	55	45	He	3.097	ppb	4.3	2860.38	0.0528	Pulse	0.1000	3
Fe	57	45	He	86.218	ppb	14.0	3160.46	0.0584	Pulse	0.1000	3
Co	59	72	He	0.113	ppb	8.0	533.36	0.0061	Pulse	0.1000	3
Ni	60	115	He	-0.132	ppb	N/A	996.74	0.0132	Pulse	0.1000	3
Cu	63	115	He	0.396	ppb	14.3	1210.09	0.0160	Pulse	0.1000	3
Zn	66	72	He	8.750	ppb	4.5	2566.99	0.0293	Pulse	0.1000	3
As	75	72	He	0.502	ppb	18.4	168.00	0.0019	Pulse	0.5000	3
Sr	88	72	He	123.365	ppb	1.5	143565.30	1.6362	Pulse	0.1000	3
Mo	98	72	He	1.306	ppb	8.2	2406.97	0.0274	Pulse	0.1000	3
Ag	107	115	He	0.005	ppb	215.6	50.00	0.0007	Pulse	0.1000	3
Cd	111	115	He	0.029	ppb	80.9	14.67	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.541	ppb	N/A	3513.91	0.0464	Pulse	0.1000	3
Sb	121	115	He	0.377	ppb	13.0	510.03	0.0067	Pulse	0.1000	3
Ba	137	115	He	93.343	ppb	1.9	44114.52	0.5825	Pulse	0.1000	3
Tl	205	209	He	0.021	ppb	36.9	186.68	0.0014	Pulse	0.1000	3
Pb	208	209	He	0.084	ppb	15.7	903.38	0.0067	Pulse	0.1000	3
U	238	209	He	0.447	ppb	8.7	3277.20	0.0243	Pulse	0.1000	3

ISTD Table:

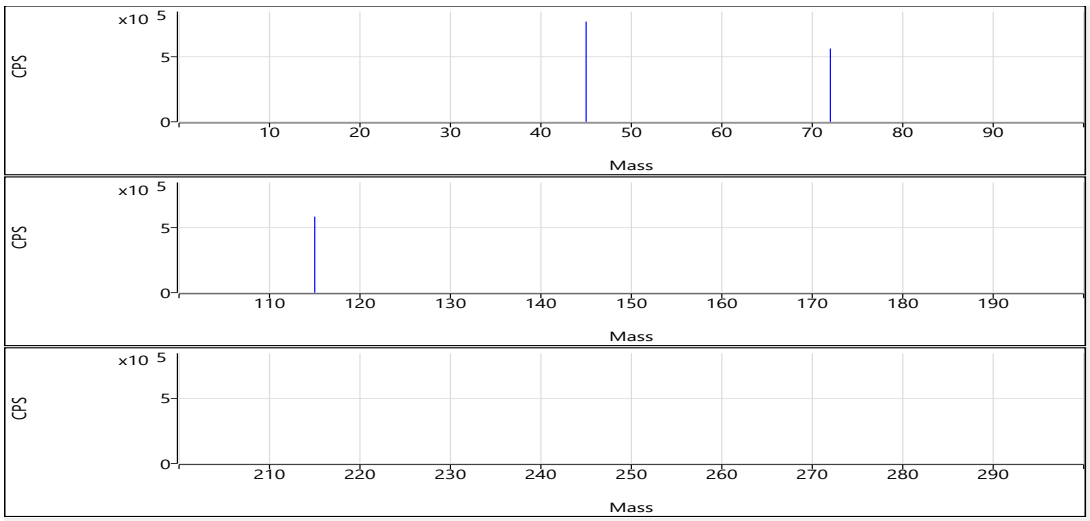
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	711844.02	0.6	104.1	Pulse	0.1000	3
No Gas	Ge	72	370242.91	0.8	102.4	Pulse	0.1000	3
H2	Sc	45	767668.82	0.6	99.2	Pulse	0.1000	3
H2	Ge	72	561327.31	0.8	103.2	Pulse	0.1000	3
H2	In	115	582301.31	0.6	105.6	Pulse	0.1000	3
He	Sc	45	54187.47	2.0	97.1	Pulse	0.1000	3
He	Ge	72	87746.55	0.5	98.2	Pulse	0.1000	3
He	In	115	75737.95	0.9	99.7	Pulse	0.1000	3
He	Tb	159	219310.87	1.5	99.8	Pulse	0.1000	3
He	Bi	209	135243.89	1.9	98.2	Pulse	0.1000	3

No Gas

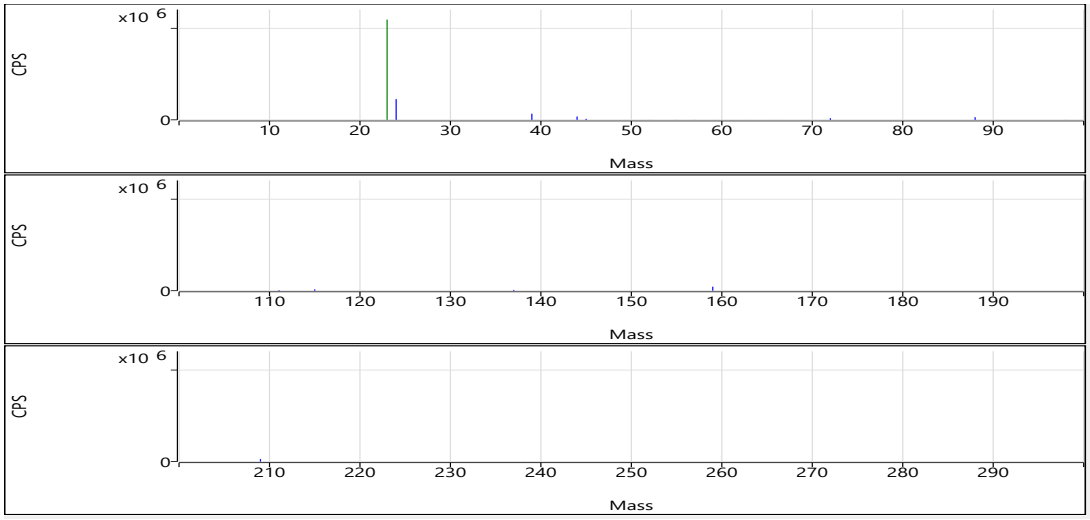


H2



Quantitation Report

He



Quantitation Report

Data File Name	162SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:25:34
Sample Name	630-117387-M-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

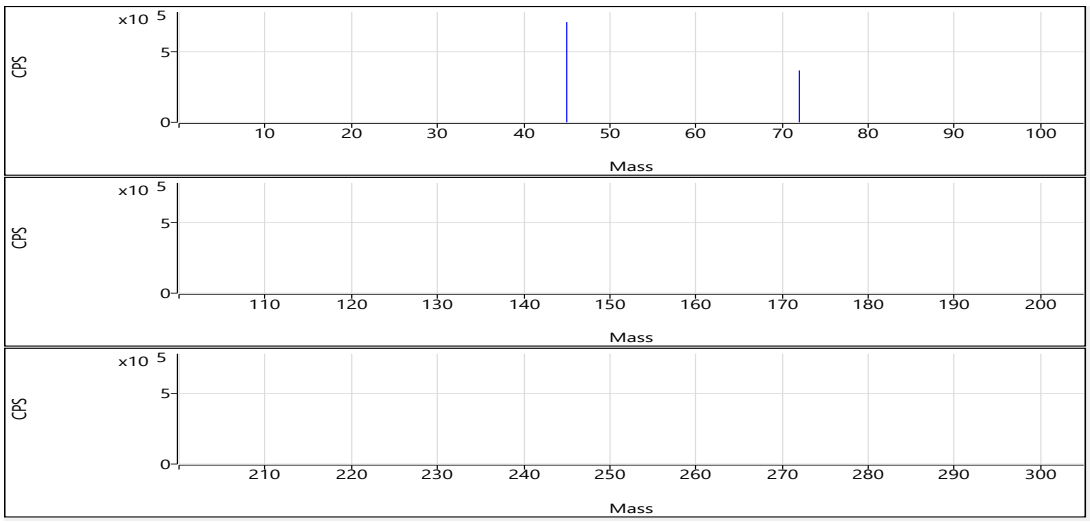
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.038	ppb	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.327	ppb	8.7	81.11	0.0001	Pulse	1.5000	3
Na	23	45	He	7409.757	ppb	1.0	1748134.35	29.2875	Pulse	0.1000	3
Mg	24	45	He	1467.089	ppb	0.4	174991.07	2.9315	Pulse	0.1000	3
Al	27	45	He	178.926	ppb	4.4	7638.92	0.1280	Pulse	0.1000	3
K	39	45	He	608.492	ppb	2.5	98109.19	1.6437	Pulse	0.1000	3
Ca	44	45	He	7737.333	ppb	1.3	45859.19	0.7682	Pulse	0.1000	3
Ti	47	45	He	6.639	ppb	15.6	276.68	0.0046	Pulse	0.1000	3
V	51	45	He	3.059	ppb	1.0	5789.18	0.0970	Pulse	0.5000	3
Cr	52	72	He	1.527	ppb	14.6	5094.41	0.0528	Pulse	0.1000	3
Mn	55	45	He	28.163	ppb	1.5	26477.93	0.4436	Pulse	0.1000	3
Fe	57	45	He	302.086	ppb	3.4	11565.00	0.1938	Pulse	0.1000	3
Co	59	72	He	0.275	ppb	8.9	1146.76	0.0119	Pulse	0.1000	3
Ni	60	115	He	0.834	ppb	15.8	2056.88	0.0244	Pulse	0.1000	3
Cu	63	115	He	12.049	ppb	1.7	32858.16	0.3903	Pulse	0.1000	3
Zn	66	72	He	71.338	ppb	4.7	22314.55	0.2313	Pulse	0.1000	3
As	75	72	He	0.706	ppb	17.2	234.67	0.0024	Pulse	0.5000	3
Sr	88	72	He	26.206	ppb	3.6	33777.36	0.3502	Pulse	0.1000	3
Mo	98	72	He	0.603	ppb	18.6	1250.10	0.0130	Pulse	0.1000	3
Ag	107	115	He	0.014	ppb	78.2	90.00	0.0011	Pulse	0.1000	3
Cd	111	115	He	0.088	ppb	8.5	45.33	0.0005	Pulse	0.5000	3
Sn	120	115	He	-0.399	ppb	N/A	4134.10	0.0491	Pulse	0.1000	3
Sb	121	115	He	0.474	ppb	14.6	706.72	0.0084	Pulse	0.1000	3
Ba	137	115	He	10.921	ppb	2.0	5831.45	0.0692	Pulse	0.1000	3
Tl	205	209	He	0.017	ppb	20.1	180.01	0.0012	Pulse	0.1000	3
Pb	208	209	He	2.806	ppb	1.7	22855.23	0.1537	Pulse	0.1000	3
U	238	209	He	0.051	ppb	14.4	520.03	0.0035	Pulse	0.1000	3

ISTD Table:

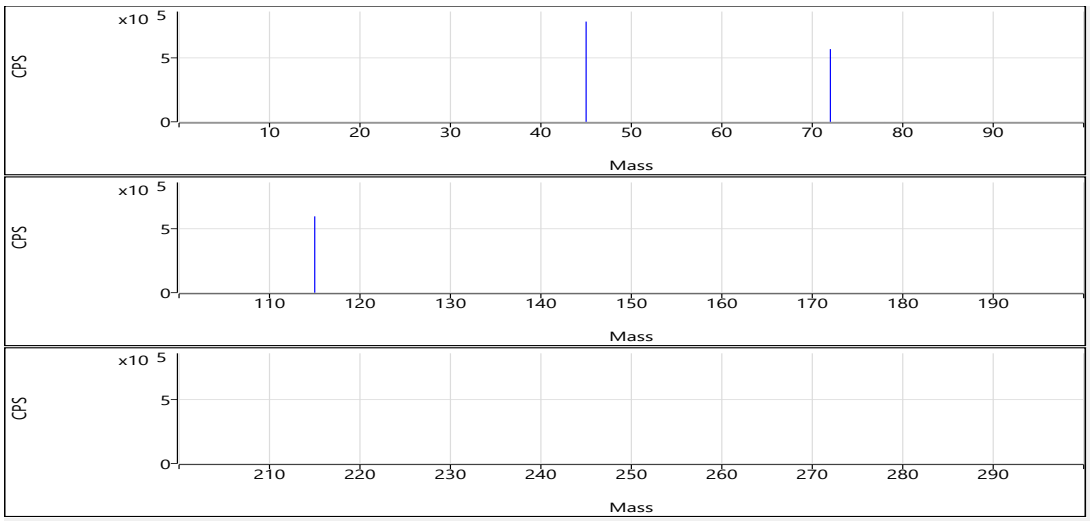
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	706350.80	0.7	103.3	Pulse	0.1000	3
No Gas	Ge	72	365412.33	0.8	101.0	Pulse	0.1000	3
H2	Sc	45	779368.74	0.7	100.8	Pulse	0.1000	3
H2	Ge	72	565408.49	0.6	103.9	Pulse	0.1000	3
H2	In	115	593535.41	1.3	107.6	Pulse	0.1000	3
He	Sc	45	59692.08	1.2	106.9	Pulse	0.1000	3
He	Ge	72	96502.88	2.2	108.0	Pulse	0.1000	3
He	In	115	84211.29	2.3	110.9	Pulse	0.1000	3
He	Tb	159	238346.30	0.5	108.4	Pulse	0.1000	3
He	Bi	209	148725.71	0.6	108.0	Pulse	0.1000	3

No Gas

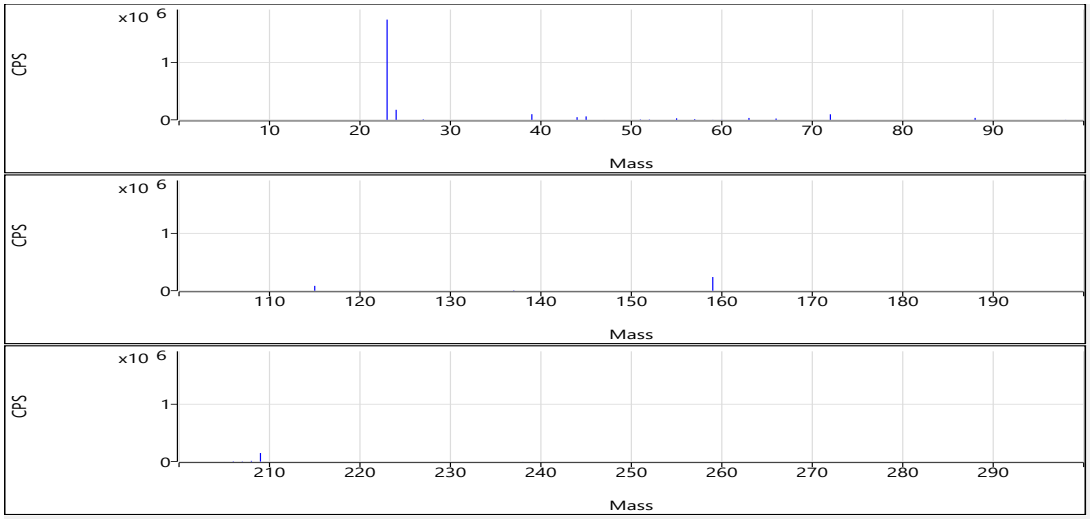


H2



Quantitation Report

He



Quantitation Report

Data File Name	163SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:27:41
Sample Name	410-235034-Q-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

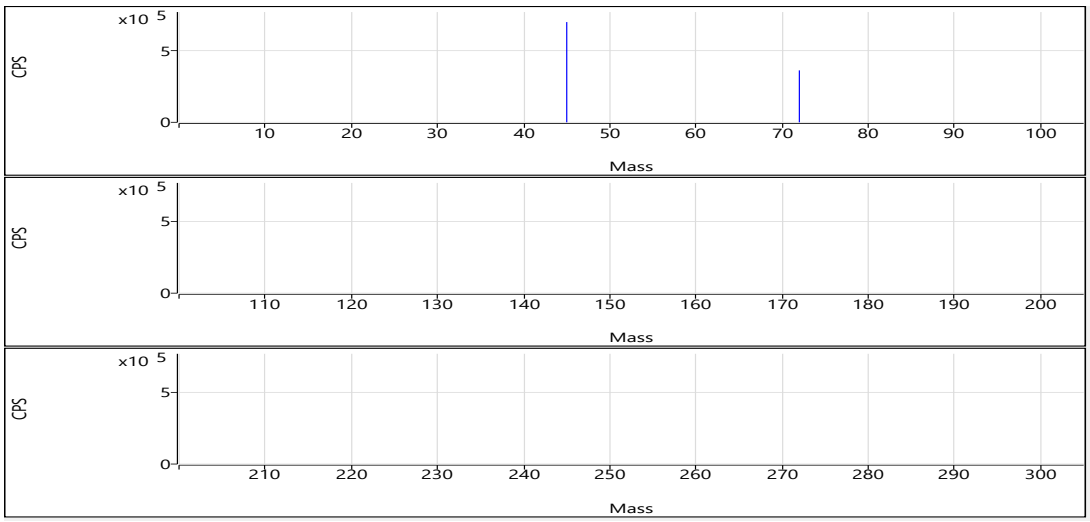
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.060	ppb	N/A	11.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.078	ppb	9.2	25.33	0.0000	Pulse	1.5000	3
Na	23	45	He	5079.760	ppb	2.4	1215193.81	20.1620	Pulse	0.1000	3
Mg	24	45	He	2138.607	ppb	2.0	257274.12	4.2684	Pulse	0.1000	3
Al	27	45	He	40.532	ppb	6.2	1873.52	0.0310	Pulse	0.1000	3
K	39	45	He	30106.705	ppb	2.3	3407232.87	56.5310	Pulse	0.1000	3
Ca	44	45	He	3539.294	ppb	3.8	21322.88	0.3538	Pulse	0.1000	3
Ti	47	45	He	2.896	ppb	26.1	123.34	0.0021	Pulse	0.1000	3
V	51	45	He	0.385	ppb	6.9	1620.77	0.0269	Pulse	0.5000	3
Cr	52	72	He	0.105	ppb	42.5	2300.27	0.0244	Pulse	0.1000	3
Mn	55	45	He	83.923	ppb	2.0	79135.42	1.3129	Pulse	0.1000	3
Fe	57	45	He	103.250	ppb	1.2	4164.08	0.0691	Pulse	0.1000	3
Co	59	72	He	0.485	ppb	6.0	1823.52	0.0194	Pulse	0.1000	3
Ni	60	115	He	2.980	ppb	7.1	4054.05	0.0494	Pulse	0.1000	3
Cu	63	115	He	1.842	ppb	2.2	5127.75	0.0624	Pulse	0.1000	3
Zn	66	72	He	9.796	ppb	7.3	3073.77	0.0326	Pulse	0.1000	3
As	75	72	He	1.033	ppb	6.3	306.01	0.0032	Pulse	0.5000	3
Sr	88	72	He	10.793	ppb	3.1	13767.12	0.1462	Pulse	0.1000	3
Mo	98	72	He	0.454	ppb	10.7	933.40	0.0099	Pulse	0.1000	3
Ag	107	115	He	-0.002	ppb	N/A	30.00	0.0004	Pulse	0.1000	3
Cd	111	115	He	0.016	ppb	44.3	10.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.646	ppb	N/A	3647.30	0.0444	Pulse	0.1000	3
Sb	121	115	He	0.032	ppb	80.1	70.00	0.0009	Pulse	0.1000	3
Ba	137	115	He	3.779	ppb	12.8	2033.55	0.0248	Pulse	0.1000	3
Tl	205	209	He	0.008	ppb	28.0	126.67	0.0008	Pulse	0.1000	3
Pb	208	209	He	0.169	ppb	3.9	1676.77	0.0112	Pulse	0.1000	3
U	238	209	He	0.029	ppb	13.6	353.35	0.0024	Pulse	0.1000	3

ISTD Table:

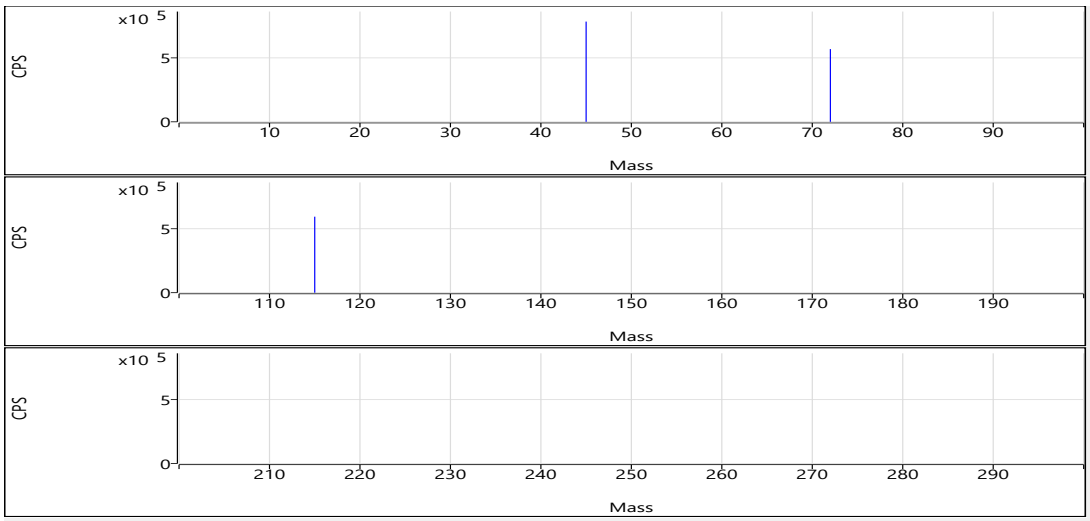
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	703091.21	0.4	102.8	Pulse	0.1000	3
No Gas	Ge	72	364197.73	1.2	100.7	Pulse	0.1000	3
H2	Sc	45	781040.51	1.1	101.0	Pulse	0.1000	3
H2	Ge	72	566644.86	1.0	104.2	Pulse	0.1000	3
H2	In	115	592246.77	0.6	107.4	Pulse	0.1000	3
He	Sc	45	60301.41	3.5	108.0	Pulse	0.1000	3
He	Ge	72	94181.23	1.0	105.5	Pulse	0.1000	3
He	In	115	82146.46	0.4	108.2	Pulse	0.1000	3
He	Tb	159	237386.63	0.3	108.0	Pulse	0.1000	3
He	Bi	209	149120.63	0.9	108.2	Pulse	0.1000	3

No Gas

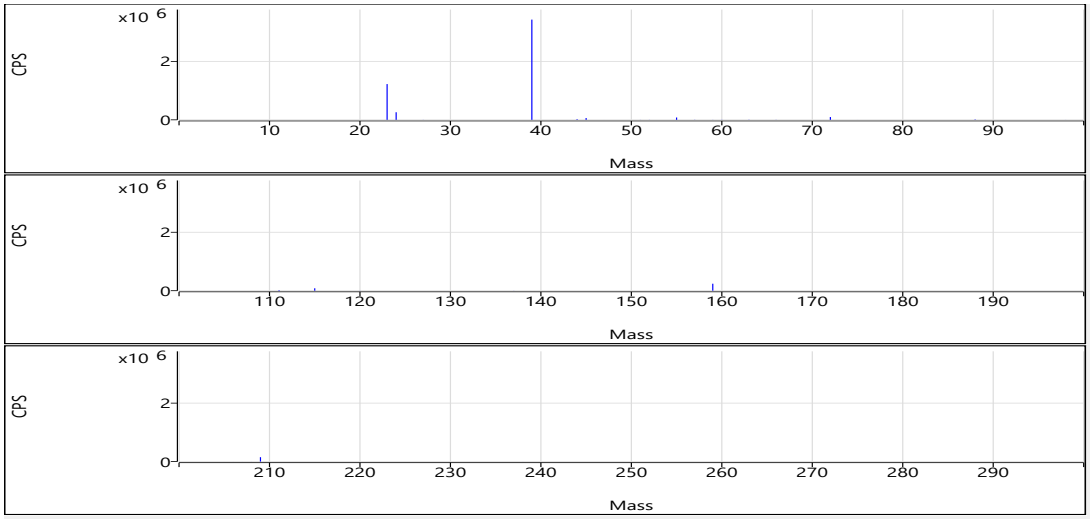


H2



Quantitation Report

He



Quantitation Report

Data File Name	164SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:29:48
Sample Name	410-235224-J-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

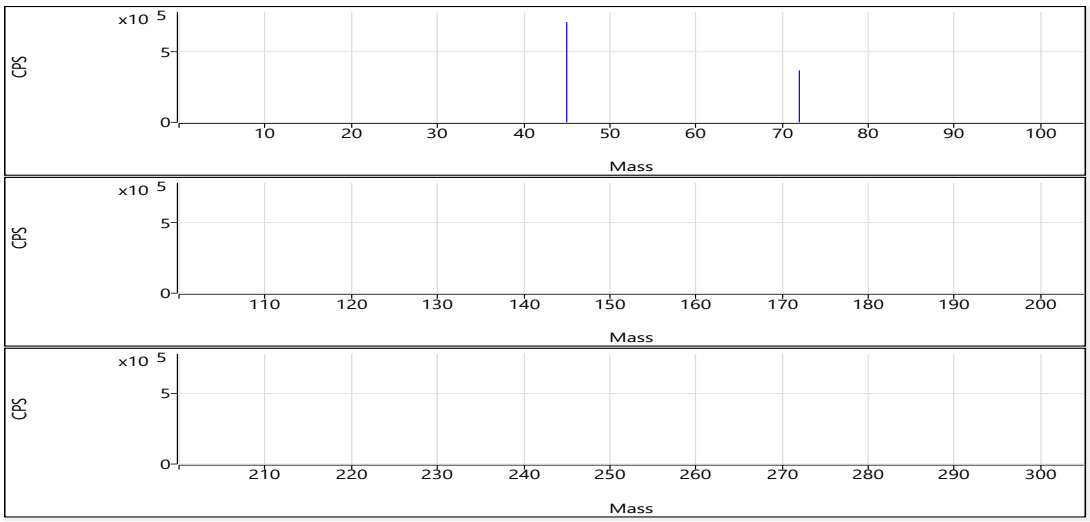
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.032	ppb	N/A	17.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.213	ppb	9.9	56.22	0.0001	Pulse	1.5000	3
Na	23	45	He	2570.262	ppb	2.6	629933.01	10.3335	Pulse	0.1000	3
Mg	24	45	He	1810.852	ppb	1.9	220444.42	3.6159	Pulse	0.1000	3
Al	27	45	He	183.408	ppb	1.8	7999.10	0.1311	Pulse	0.1000	3
K	39	45	He	476.058	ppb	4.7	85175.94	1.3973	Pulse	0.1000	3
Ca	44	45	He	4497.290	ppb	3.6	27346.05	0.4484	Pulse	0.1000	3
Ti	47	45	He	7.230	ppb	12.4	306.68	0.0050	Pulse	0.1000	3
V	51	45	He	3.802	ppb	0.4	7102.43	0.1165	Pulse	0.5000	3
Cr	52	72	He	0.443	ppb	9.6	3013.77	0.0312	Pulse	0.1000	3
Mn	55	45	He	27.422	ppb	1.8	26341.15	0.4321	Pulse	0.1000	3
Fe	57	45	He	294.780	ppb	6.4	11524.98	0.1892	Pulse	0.1000	3
Co	59	72	He	0.356	ppb	14.9	1426.79	0.0148	Pulse	0.1000	3
Ni	60	115	He	1.072	ppb	20.0	2276.92	0.0272	Pulse	0.1000	3
Cu	63	115	He	8.917	ppb	1.8	24291.13	0.2897	Pulse	0.1000	3
Zn	66	72	He	172.360	ppb	0.8	53874.45	0.5575	Pulse	0.1000	3
As	75	72	He	0.435	ppb	34.5	169.33	0.0017	Pulse	0.5000	3
Sr	88	72	He	13.528	ppb	4.5	17621.34	0.1824	Pulse	0.1000	3
Mo	98	72	He	0.636	ppb	4.9	1320.11	0.0137	Pulse	0.1000	3
Ag	107	115	He	0.012	ppb	61.5	83.33	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.441	ppb	10.4	218.67	0.0026	Pulse	0.5000	3
Sn	120	115	He	6.394	ppb	8.7	15018.54	0.1792	Pulse	0.1000	3
Sb	121	115	He	0.634	ppb	11.8	933.40	0.0111	Pulse	0.1000	3
Ba	137	115	He	11.687	ppb	3.3	6204.95	0.0740	Pulse	0.1000	3
Tl	205	209	He	0.009	ppb	133.8	133.34	0.0009	Pulse	0.1000	3
Pb	208	209	He	3.148	ppb	3.5	26251.23	0.1721	Pulse	0.1000	3
U	238	209	He	0.052	ppb	4.0	546.70	0.0036	Pulse	0.1000	3

ISTD Table:

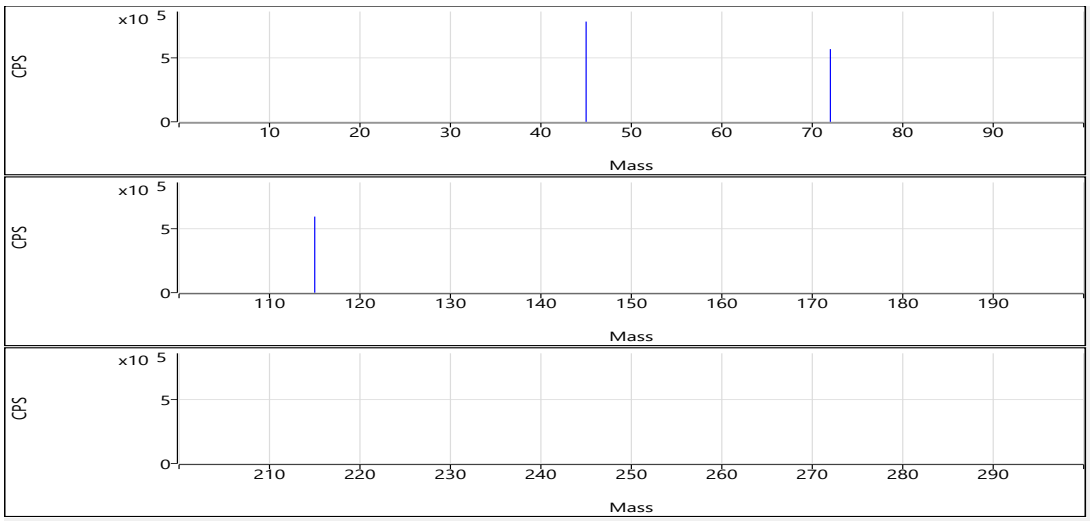
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	710080.67	2.3	103.9	Pulse	0.1000	3
No Gas	Ge	72	367585.75	1.1	101.6	Pulse	0.1000	3
H2	Sc	45	788740.25	0.6	102.0	Pulse	0.1000	3
H2	Ge	72	572189.60	0.2	105.2	Pulse	0.1000	3
H2	In	115	598769.42	0.6	108.6	Pulse	0.1000	3
He	Sc	45	60987.60	2.8	109.3	Pulse	0.1000	3
He	Ge	72	96633.79	1.6	108.2	Pulse	0.1000	3
He	In	115	83874.95	2.0	110.5	Pulse	0.1000	3
He	Tb	159	239994.40	1.0	109.2	Pulse	0.1000	3
He	Bi	209	152549.28	0.5	110.7	Pulse	0.1000	3

No Gas

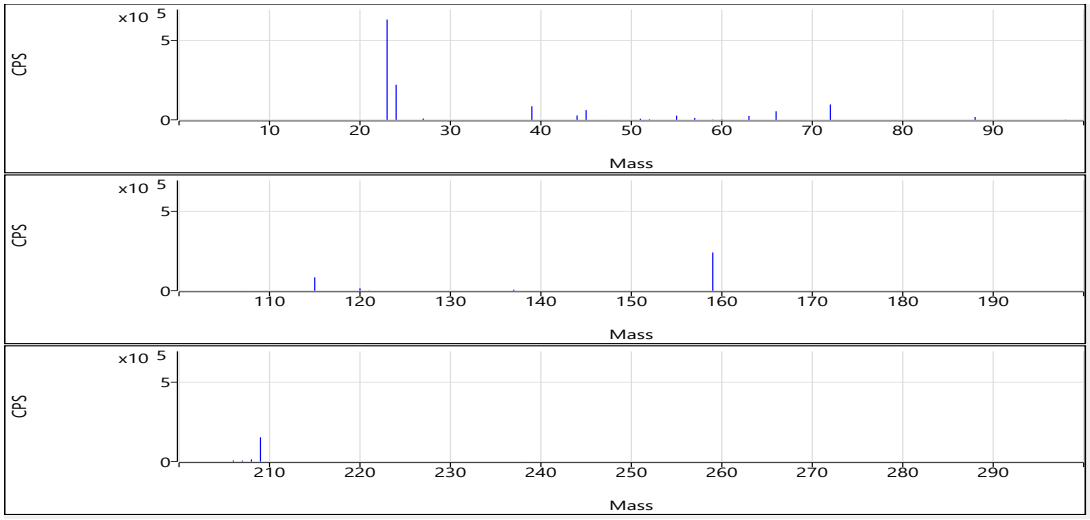


H2



Quantitation Report

He



Quantitation Report

Data File Name	165SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:31:55
Sample Name	410-235224-L-1-A DU
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

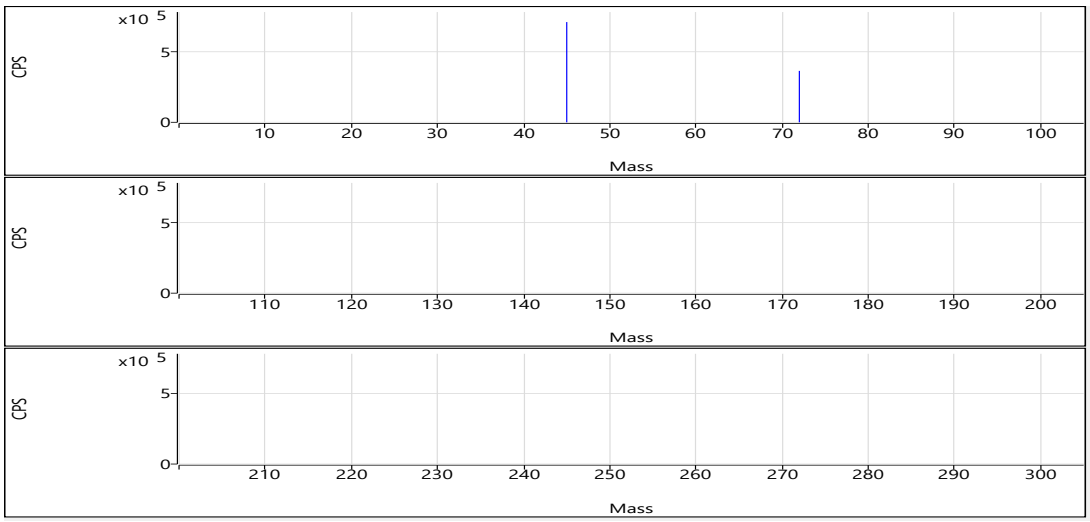
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.032	ppb	N/A	17.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.193	ppb	19.9	52.00	0.0001	Pulse	1.5000	3
Na	23	45	He	2567.732	ppb	1.0	625799.33	10.3235	Pulse	0.1000	3
Mg	24	45	He	1812.152	ppb	0.7	219364.33	3.6184	Pulse	0.1000	3
Al	27	45	He	170.608	ppb	3.8	7405.43	0.1222	Pulse	0.1000	3
K	39	45	He	457.387	ppb	2.5	82601.33	1.3626	Pulse	0.1000	3
Ca	44	45	He	4493.856	ppb	3.1	27155.94	0.4481	Pulse	0.1000	3
Ti	47	45	He	6.069	ppb	19.4	256.68	0.0042	Pulse	0.1000	3
V	51	45	He	3.781	ppb	2.7	7027.05	0.1159	Pulse	0.5000	3
Cr	52	72	He	0.392	ppb	13.1	2917.07	0.0302	Pulse	0.1000	3
Mn	55	45	He	27.979	ppb	2.2	26715.27	0.4407	Pulse	0.1000	3
Fe	57	45	He	274.760	ppb	3.4	10704.28	0.1766	Pulse	0.1000	3
Co	59	72	He	0.360	ppb	7.9	1440.12	0.0149	Pulse	0.1000	3
Ni	60	115	He	1.075	ppb	12.5	2283.59	0.0272	Pulse	0.1000	3
Cu	63	115	He	9.219	ppb	1.9	25132.43	0.2994	Pulse	0.1000	3
Zn	66	72	He	174.518	ppb	0.3	54574.06	0.5645	Pulse	0.1000	3
As	75	72	He	0.469	ppb	16.9	177.33	0.0018	Pulse	0.5000	3
Sr	88	72	He	13.655	ppb	4.5	17791.75	0.1841	Pulse	0.1000	3
Mo	98	72	He	0.564	ppb	3.7	1176.75	0.0122	Pulse	0.1000	3
Ag	107	115	He	0.001	ppb	864.0	40.00	0.0005	Pulse	0.1000	3
Cd	111	115	He	0.482	ppb	4.8	238.67	0.0028	Pulse	0.5000	3
Sn	120	115	He	6.564	ppb	5.3	15315.64	0.1824	Pulse	0.1000	3
Sb	121	115	He	0.625	ppb	4.3	920.06	0.0110	Pulse	0.1000	3
Ba	137	115	He	10.969	ppb	2.2	5838.09	0.0695	Pulse	0.1000	3
Tl	205	209	He	0.012	ppb	26.9	150.01	0.0010	Pulse	0.1000	3
Pb	208	209	He	3.167	ppb	0.4	26084.21	0.1732	Pulse	0.1000	3
U	238	209	He	0.042	ppb	42.0	456.69	0.0030	Pulse	0.1000	3

ISTD Table:

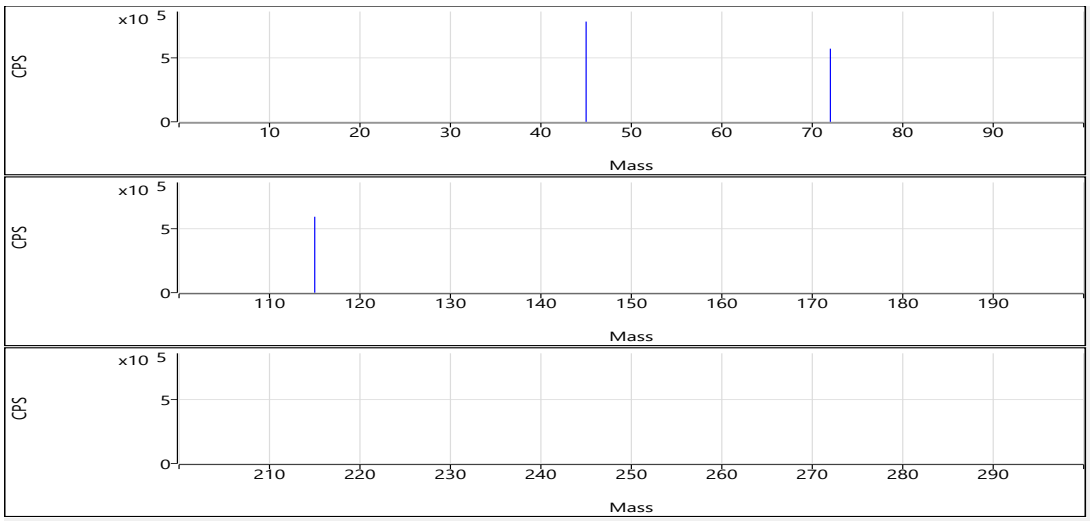
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	705118.58	0.4	103.1	Pulse	0.1000	3
No Gas	Ge	72	361749.08	0.6	100.0	Pulse	0.1000	3
H2	Sc	45	786625.51	0.7	101.7	Pulse	0.1000	3
H2	Ge	72	574068.85	1.4	105.5	Pulse	0.1000	3
H2	In	115	596029.98	1.1	108.1	Pulse	0.1000	3
He	Sc	45	60623.02	1.3	108.6	Pulse	0.1000	3
He	Ge	72	96680.21	0.7	108.2	Pulse	0.1000	3
He	In	115	83952.88	0.4	110.6	Pulse	0.1000	3
He	Tb	159	240675.41	1.0	109.5	Pulse	0.1000	3
He	Bi	209	150639.21	0.6	109.3	Pulse	0.1000	3

No Gas

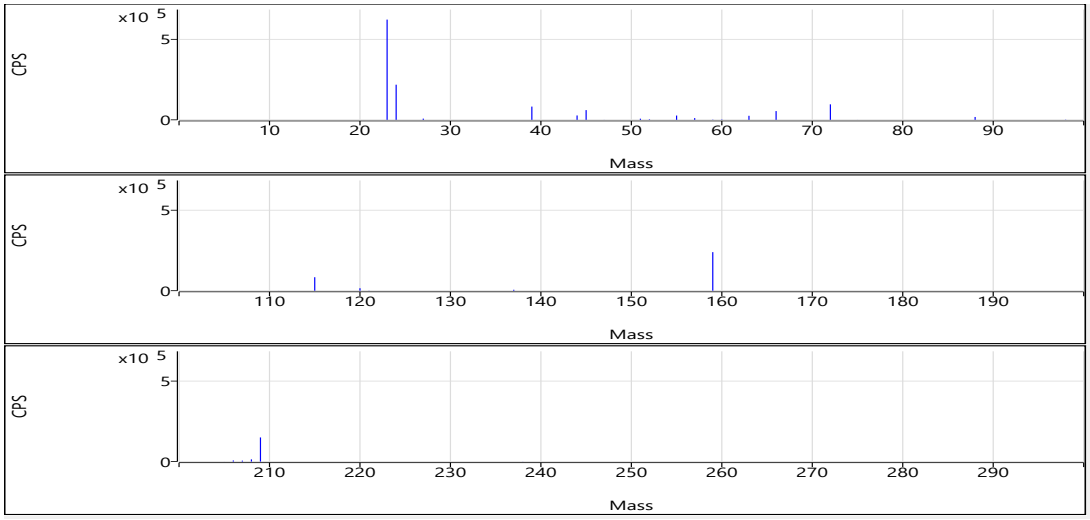


H2



Quantitation Report

He



Quantitation Report

Data File Name	166SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:34:02
Sample Name	410-235224-K-1-A MS
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

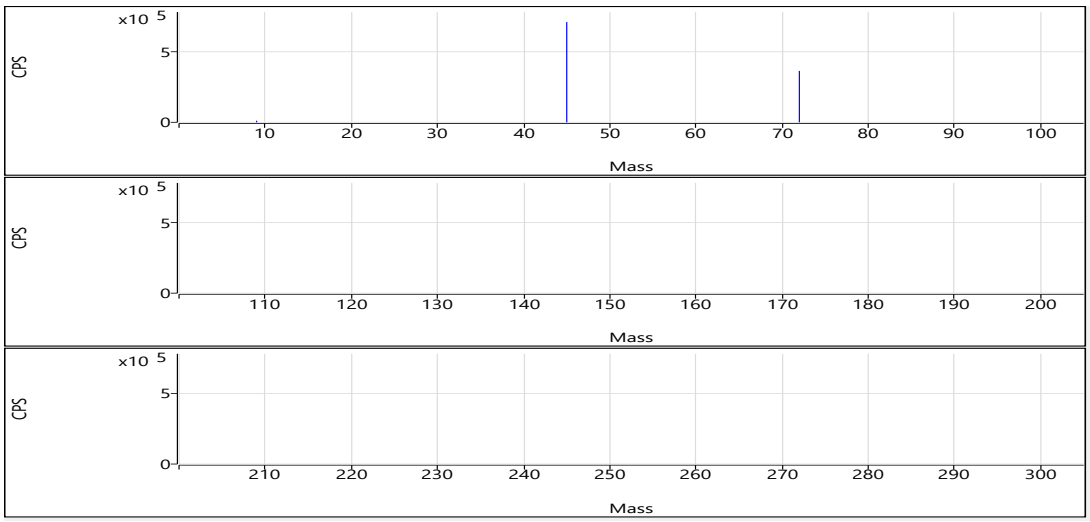
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	52.093	ppb	0.6	11125.51	0.0156	Pulse	0.5000	3
Se	78	72	H2	94.067	ppb	1.5	21005.70	0.0373	Pulse	1.5000	3
Na	23	45	He	7158.985	ppb	1.2	1721627.94	28.3053	Pulse	0.1000	3
Mg	24	45	He	6307.891	ppb	0.6	764497.05	12.5686	Pulse	0.1000	3
Al	27	45	He	4880.961	ppb	1.8	208178.84	3.4228	Pulse	0.1000	3
K	39	45	He	5235.197	ppb	0.8	623617.33	10.2526	Pulse	0.1000	3
Ca	44	45	He	9076.602	ppb	1.2	54769.98	0.9004	Pulse	0.1000	3
Ti	47	45	He	477.236	ppb	4.0	19987.65	0.3287	Pulse	0.1000	3
V	51	45	He	462.499	ppb	0.3	738488.19	12.1408	Pulse	0.5000	3
Cr	52	72	He	477.485	ppb	1.9	905269.49	9.5634	Pulse	0.1000	3
Mn	55	45	He	492.665	ppb	1.2	467442.56	7.6852	Pulse	0.1000	3
Fe	57	45	He	4860.192	ppb	1.4	185651.36	3.0523	Pulse	0.1000	3
Co	59	72	He	475.558	ppb	1.3	1609165.29	16.9984	Pulse	0.1000	3
Ni	60	115	He	454.645	ppb	1.9	438573.56	5.3025	Pulse	0.1000	3
Cu	63	115	He	469.943	ppb	1.0	1248951.31	15.0992	Pulse	0.1000	3
Zn	66	72	He	651.929	ppb	2.4	199338.87	2.1059	Pulse	0.1000	3
As	75	72	He	488.824	ppb	1.2	116112.63	1.2265	Pulse	0.5000	3
Sr	88	72	He	61.226	ppb	1.6	77052.23	0.8137	Pulse	0.1000	3
Mo	98	72	He	46.189	ppb	1.3	89868.23	0.9493	Pulse	0.1000	3
Ag	107	115	He	46.837	ppb	0.3	179613.87	2.1713	Pulse	0.1000	3
Cd	111	115	He	47.147	ppb	0.2	22782.47	0.2754	Pulse	0.5000	3
Sn	120	115	He	99.029	ppb	0.5	161545.28	1.9528	Pulse	0.1000	3
Sb	121	115	He	93.553	ppb	1.3	131936.88	1.5951	Pulse	0.1000	3
Ba	137	115	He	478.250	ppb	0.9	246459.30	2.9795	Pulse	0.1000	3
Tl	205	209	He	95.461	ppb	1.2	567057.11	3.8728	Pulse	0.1000	3
Pb	208	209	He	50.168	ppb	0.5	397012.14	2.7112	Pulse	0.1000	3
U	238	209	He	46.372	ppb	1.8	355709.48	2.4295	Pulse	0.1000	3

ISTD Table:

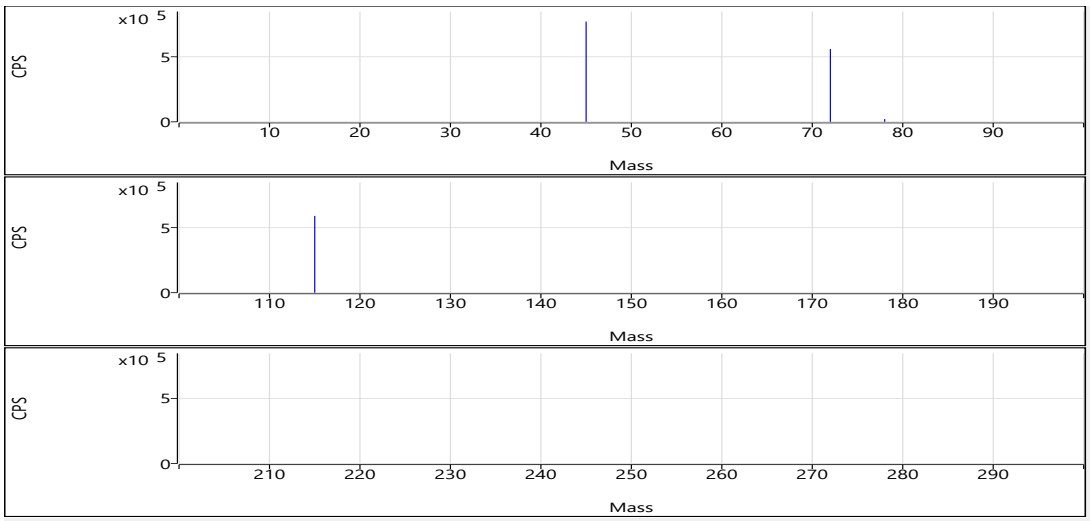
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	711470.20	0.5	104.1	Pulse	0.1000	3
No Gas	Ge	72	364610.50	0.3	100.8	Pulse	0.1000	3
H2	Sc	45	775813.27	0.7	100.3	Pulse	0.1000	3
H2	Ge	72	563504.22	1.6	103.6	Pulse	0.1000	3
H2	In	115	594110.56	0.6	107.7	Pulse	0.1000	3
He	Sc	45	60827.03	0.7	109.0	Pulse	0.1000	3
He	Ge	72	94677.29	1.5	106.0	Pulse	0.1000	3
He	In	115	82721.85	1.1	108.9	Pulse	0.1000	3
He	Tb	159	236706.47	0.9	107.7	Pulse	0.1000	3
He	Bi	209	146437.73	1.4	106.3	Pulse	0.1000	3

No Gas

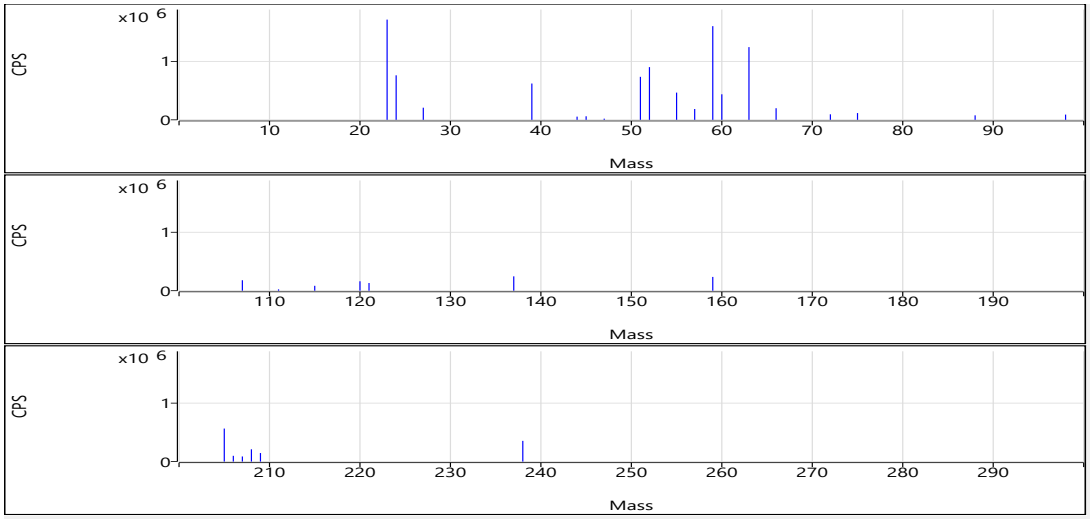


H2



Quantitation Report

He



Quantitation Report

Data File Name	167SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:36:08
Sample Name	410-235307-B-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

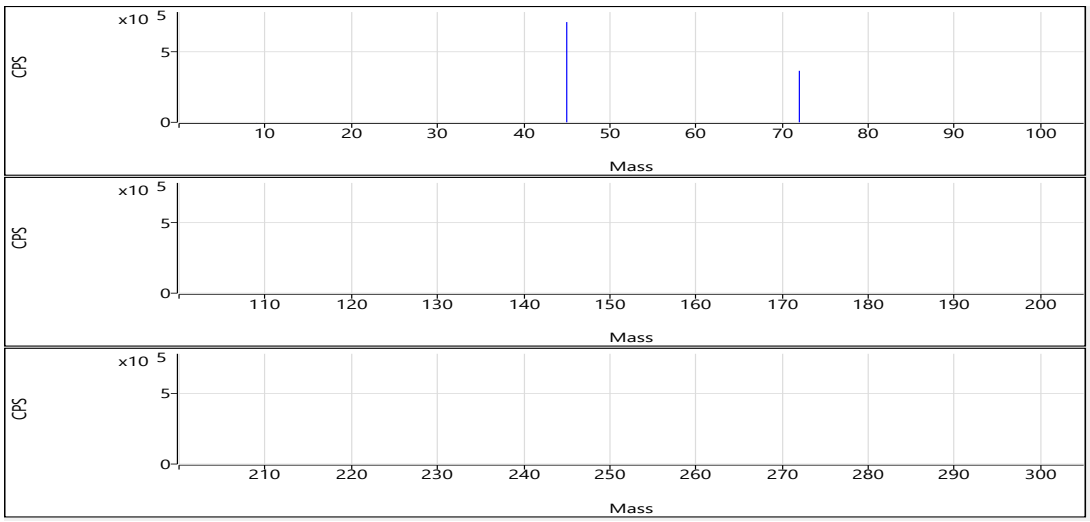
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	1.177	ppb	2.9	273.33	0.0004	Pulse	0.5000	3
Se	78	72	H2	1.100	ppb	0.9	257.78	0.0004	Pulse	1.5000	3
Na	23	45	He	18781.971	ppb	0.9	4427848.58	73.8270	Analog	0.1000	3
Mg	24	45	He	1377.733	ppb	1.2	165155.15	2.7536	Pulse	0.1000	3
Al	27	45	He	476.494	ppb	2.6	20184.29	0.3365	Pulse	0.1000	3
K	39	45	He	515.504	ppb	4.0	88203.60	1.4707	Pulse	0.1000	3
Ca	44	45	He	4113.902	ppb	1.0	24624.62	0.4106	Pulse	0.1000	3
Ti	47	45	He	1.851	ppb	22.6	80.00	0.0013	Pulse	0.1000	3
V	51	45	He	0.876	ppb	11.1	2386.21	0.0398	Pulse	0.5000	3
Cr	52	72	He	0.766	ppb	8.3	3550.57	0.0376	Pulse	0.1000	3
Mn	55	45	He	301.071	ppb	1.1	281789.15	4.6983	Pulse	0.1000	3
Fe	57	45	He	292.280	ppb	3.3	11251.37	0.1876	Pulse	0.1000	3
Co	59	72	He	0.740	ppb	4.0	2687.00	0.0285	Pulse	0.1000	3
Ni	60	115	He	3.948	ppb	11.6	5021.06	0.0606	Pulse	0.1000	3
Cu	63	115	He	4.990	ppb	1.9	13543.47	0.1635	Pulse	0.1000	3
Zn	66	72	He	213.930	ppb	3.3	65248.11	0.6917	Pulse	0.1000	3
As	75	72	He	1.479	ppb	2.0	412.01	0.0044	Pulse	0.5000	3
Sr	88	72	He	21.893	ppb	2.5	27647.54	0.2931	Pulse	0.1000	3
Mo	98	72	He	1.642	ppb	10.2	3240.49	0.0343	Pulse	0.1000	3
Ag	107	115	He	0.034	ppb	12.9	166.68	0.0020	Pulse	0.1000	3
Cd	111	115	He	1.020	ppb	12.1	495.35	0.0060	Pulse	0.5000	3
Sn	120	115	He	0.204	ppb	106.1	5027.72	0.0607	Pulse	0.1000	3
Sb	121	115	He	6.302	ppb	0.7	8923.17	0.1077	Pulse	0.1000	3
Ba	137	115	He	17.807	ppb	5.9	9283.46	0.1121	Pulse	0.1000	3
Tl	205	209	He	0.180	ppb	7.5	1163.43	0.0078	Pulse	0.1000	3
Pb	208	209	He	0.348	ppb	6.6	3120.27	0.0209	Pulse	0.1000	3
U	238	209	He	0.585	ppb	4.3	4697.70	0.0315	Pulse	0.1000	3

ISTD Table:

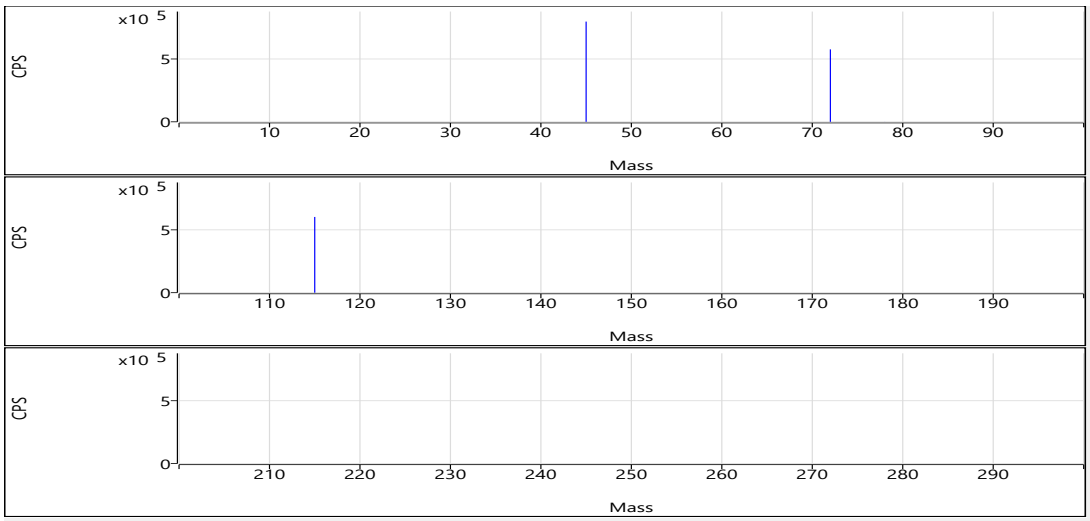
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	706835.77	0.6	103.4	Pulse	0.1000	3
No Gas	Ge	72	363223.77	1.0	100.4	Pulse	0.1000	3
H2	Sc	45	793295.98	0.7	102.6	Pulse	0.1000	3
H2	Ge	72	573329.68	0.1	105.4	Pulse	0.1000	3
H2	In	115	599442.83	0.7	108.7	Pulse	0.1000	3
He	Sc	45	59976.83	0.4	107.5	Pulse	0.1000	3
He	Ge	72	94348.00	1.3	105.6	Pulse	0.1000	3
He	In	115	82829.64	1.0	109.1	Pulse	0.1000	3
He	Tb	159	238612.09	0.8	108.6	Pulse	0.1000	3
He	Bi	209	149089.30	0.3	108.2	Pulse	0.1000	3

No Gas

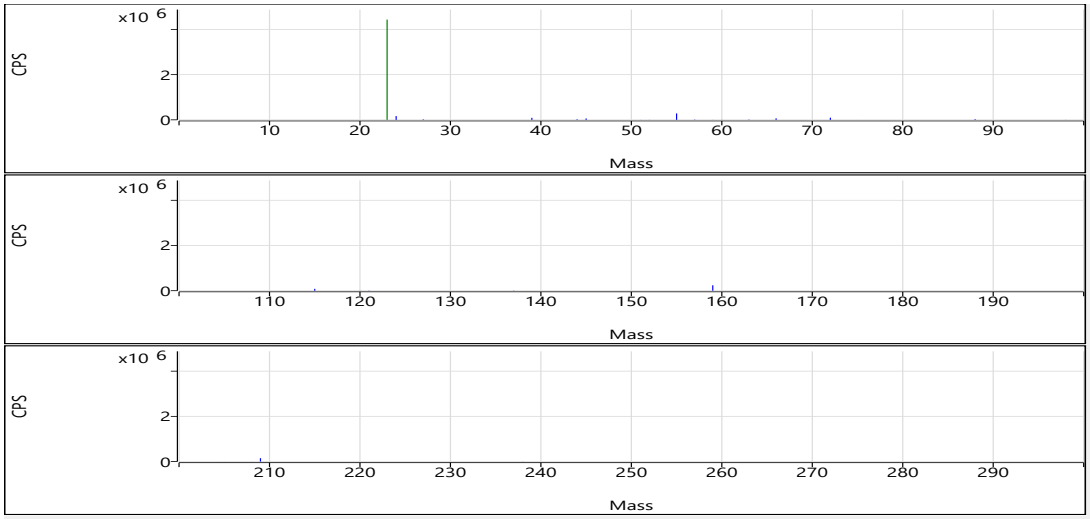


H2



Quantitation Report

He



Quantitation Report

Data File Name	168SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:38:14
Sample Name	410-235307-D-1-A DU
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

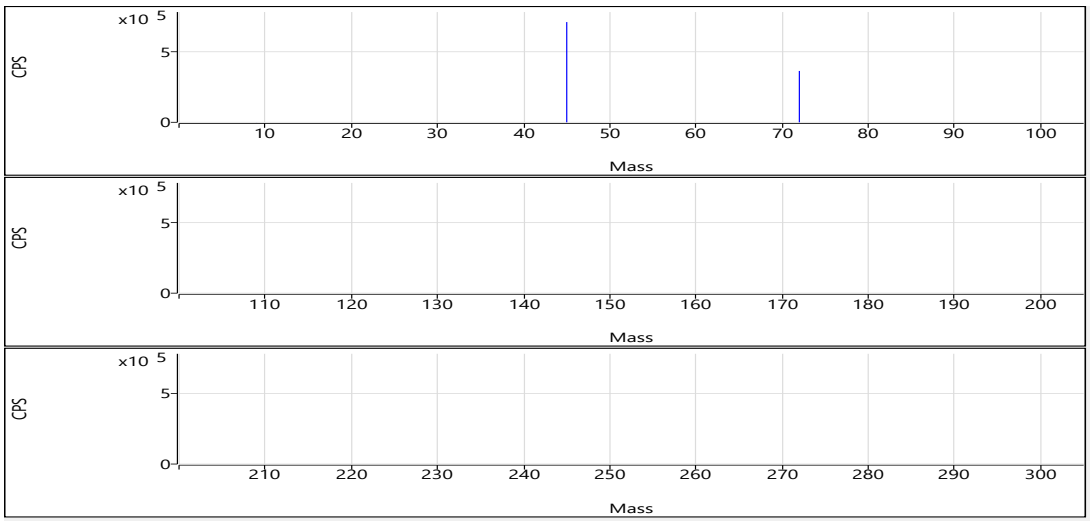
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	1.152	ppb	11.2	267.34	0.0004	Pulse	0.5000	3
Se	78	72	H2	0.296	ppb	6.9	74.22	0.0001	Pulse	1.5000	3
Na	23	45	He	19063.014	ppb	0.9	4481760.04	74.9277	Analog	0.1000	3
Mg	24	45	He	1379.618	ppb	1.2	164926.98	2.7574	Pulse	0.1000	3
Al	27	45	He	466.017	ppb	2.9	19687.07	0.3292	Pulse	0.1000	3
K	39	45	He	523.901	ppb	2.9	88902.23	1.4863	Pulse	0.1000	3
Ca	44	45	He	4251.527	ppb	1.4	25372.51	0.4242	Pulse	0.1000	3
Ti	47	45	He	1.613	ppb	26.0	70.00	0.0012	Pulse	0.1000	3
V	51	45	He	0.143	ppb	33.6	1229.40	0.0206	Pulse	0.5000	3
Cr	52	72	He	0.051	ppb	40.4	2186.91	0.0233	Pulse	0.1000	3
Mn	55	45	He	304.169	ppb	0.9	283912.48	4.7466	Pulse	0.1000	3
Fe	57	45	He	276.836	ppb	2.8	10640.92	0.1779	Pulse	0.1000	3
Co	59	72	He	0.282	ppb	8.4	1136.75	0.0121	Pulse	0.1000	3
Ni	60	115	He	3.392	ppb	10.9	4500.88	0.0541	Pulse	0.1000	3
Cu	63	115	He	4.548	ppb	2.1	12409.04	0.1493	Pulse	0.1000	3
Zn	66	72	He	217.826	ppb	1.3	65974.91	0.7043	Pulse	0.1000	3
As	75	72	He	0.802	ppb	5.7	250.00	0.0027	Pulse	0.5000	3
Sr	88	72	He	22.470	ppb	2.9	28168.68	0.3007	Pulse	0.1000	3
Mo	98	72	He	0.579	ppb	12.2	1170.09	0.0125	Pulse	0.1000	3
Ag	107	115	He	0.009	ppb	31.8	70.00	0.0008	Pulse	0.1000	3
Cd	111	115	He	1.113	ppb	11.6	542.01	0.0065	Pulse	0.5000	3
Sn	120	115	He	-0.382	ppb	N/A	4107.42	0.0495	Pulse	0.1000	3
Sb	121	115	He	6.177	ppb	1.3	8776.40	0.1056	Pulse	0.1000	3
Ba	137	115	He	17.310	ppb	3.8	9059.91	0.1090	Pulse	0.1000	3
Tl	205	209	He	0.045	ppb	7.1	350.02	0.0023	Pulse	0.1000	3
Pb	208	209	He	0.281	ppb	6.4	2583.54	0.0173	Pulse	0.1000	3
U	238	209	He	0.089	ppb	9.1	823.39	0.0055	Pulse	0.1000	3

ISTD Table:

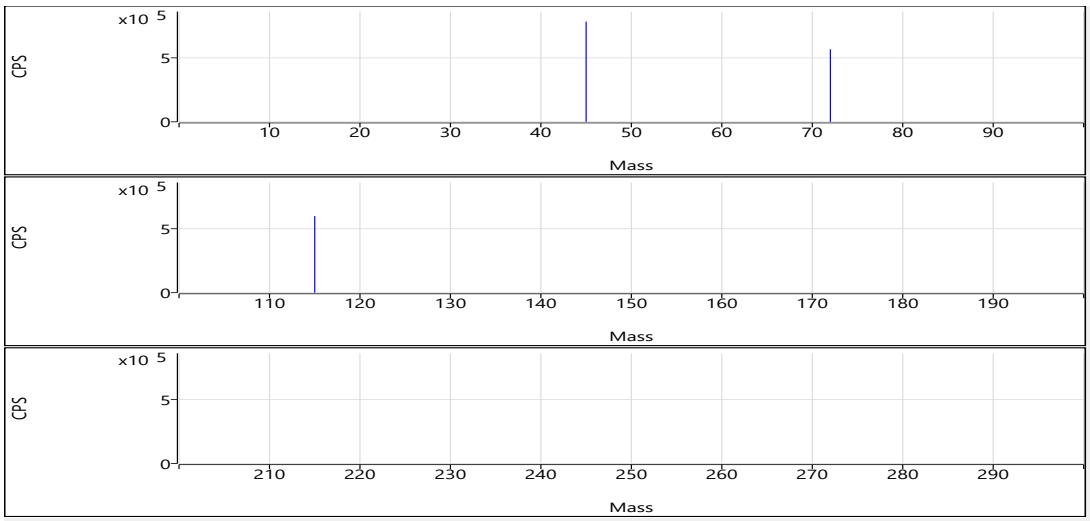
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	705372.57	0.7	103.2	Pulse	0.1000	3
No Gas	Ge	72	361351.86	1.1	99.9	Pulse	0.1000	3
H2	Sc	45	781190.69	0.0	101.0	Pulse	0.1000	3
H2	Ge	72	565311.45	0.6	103.9	Pulse	0.1000	3
H2	In	115	596940.34	0.6	108.2	Pulse	0.1000	3
He	Sc	45	59815.86	0.7	107.2	Pulse	0.1000	3
He	Ge	72	93677.86	0.7	104.9	Pulse	0.1000	3
He	In	115	83112.35	1.3	109.5	Pulse	0.1000	3
He	Tb	159	239020.32	0.6	108.7	Pulse	0.1000	3
He	Bi	209	149538.27	0.7	108.5	Pulse	0.1000	3

No Gas

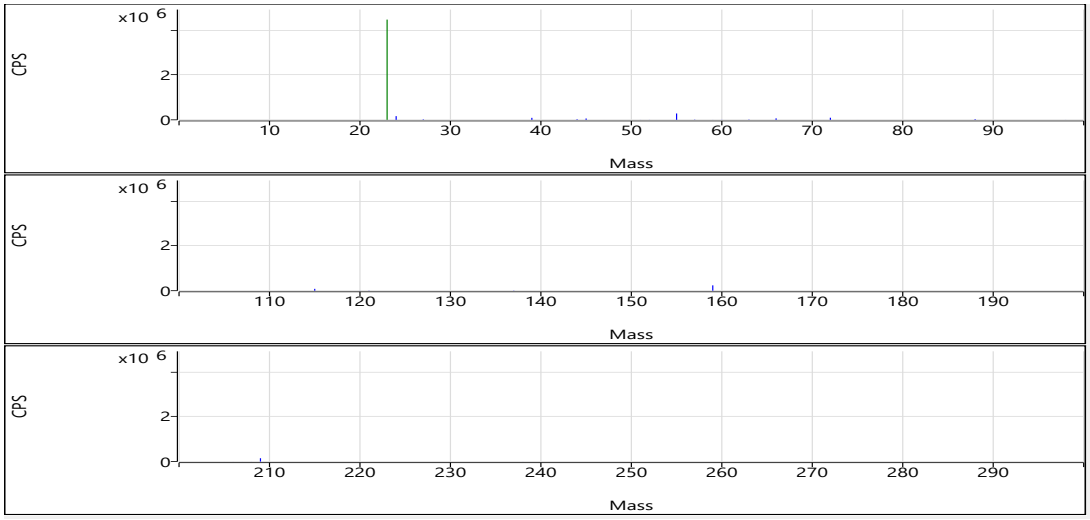


H2



Quantitation Report

He



Quantitation Report

Data File Name	169SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:40:19
Sample Name	410-235307-C-1-A MS
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

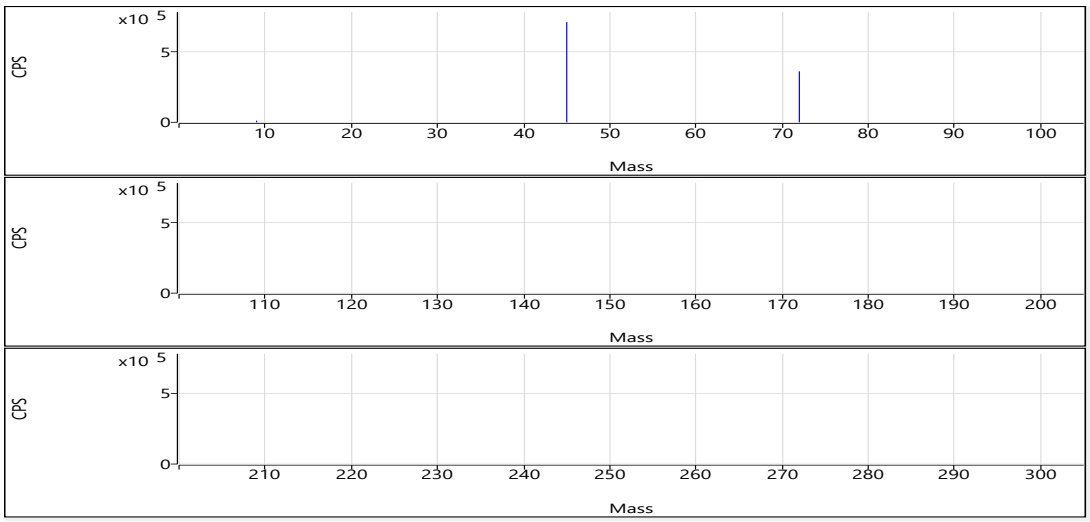
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	53.564	ppb	2.6	11384.36	0.0161	Pulse	0.5000	3
Se	78	72	H2	95.398	ppb	1.7	21370.44	0.0378	Pulse	1.5000	3
Na	23	45	He	23752.857	ppb	1.3	5411348.46	93.2956	Analog	0.1000	3
Mg	24	45	He	6061.551	ppb	0.8	700550.82	12.0782	Pulse	0.1000	3
Al	27	45	He	5184.968	ppb	1.0	210878.00	3.6358	Pulse	0.1000	3
K	39	45	He	5376.467	ppb	0.7	609910.82	10.5155	Pulse	0.1000	3
Ca	44	45	He	8892.585	ppb	1.2	51173.35	0.8823	Pulse	0.1000	3
Ti	47	45	He	486.371	ppb	0.1	19426.77	0.3349	Pulse	0.1000	3
V	51	45	He	470.647	ppb	1.3	716590.77	12.3544	Pulse	0.5000	3
Cr	52	72	He	473.365	ppb	1.3	874937.69	9.4811	Pulse	0.1000	3
Mn	55	45	He	770.704	ppb	0.6	697165.20	12.0199	Pulse	0.1000	3
Fe	57	45	He	4920.710	ppb	2.3	179251.00	3.0903	Pulse	0.1000	3
Co	59	72	He	474.385	ppb	0.9	1564721.75	16.9565	Pulse	0.1000	3
Ni	60	115	He	469.890	ppb	0.5	432108.94	5.4798	Pulse	0.1000	3
Cu	63	115	He	479.382	ppb	1.7	1214222.51	15.4024	Pulse	0.1000	3
Zn	66	72	He	689.695	ppb	1.0	205611.27	2.2279	Pulse	0.1000	3
As	75	72	He	487.283	ppb	0.7	112831.03	1.2227	Pulse	0.5000	3
Sr	88	72	He	67.780	ppb	0.5	83098.96	0.9005	Pulse	0.1000	3
Mo	98	72	He	45.992	ppb	1.4	87232.19	0.9453	Pulse	0.1000	3
Ag	107	115	He	47.783	ppb	1.5	174641.40	2.2152	Pulse	0.1000	3
Cd	111	115	He	48.205	ppb	1.7	22202.86	0.2816	Pulse	0.5000	3
Sn	120	115	He	95.750	ppb	1.7	149002.81	1.8900	Pulse	0.1000	3
Sb	121	115	He	101.645	ppb	3.0	136594.20	1.7330	Pulse	0.1000	3
Ba	137	115	He	500.036	ppb	2.2	245594.39	3.1152	Pulse	0.1000	3
Tl	205	209	He	96.659	ppb	1.4	557865.55	3.9213	Pulse	0.1000	3
Pb	208	209	He	47.594	ppb	1.5	365944.01	2.5722	Pulse	0.1000	3
U	238	209	He	46.767	ppb	1.2	348555.13	2.4501	Pulse	0.1000	3

ISTD Table:

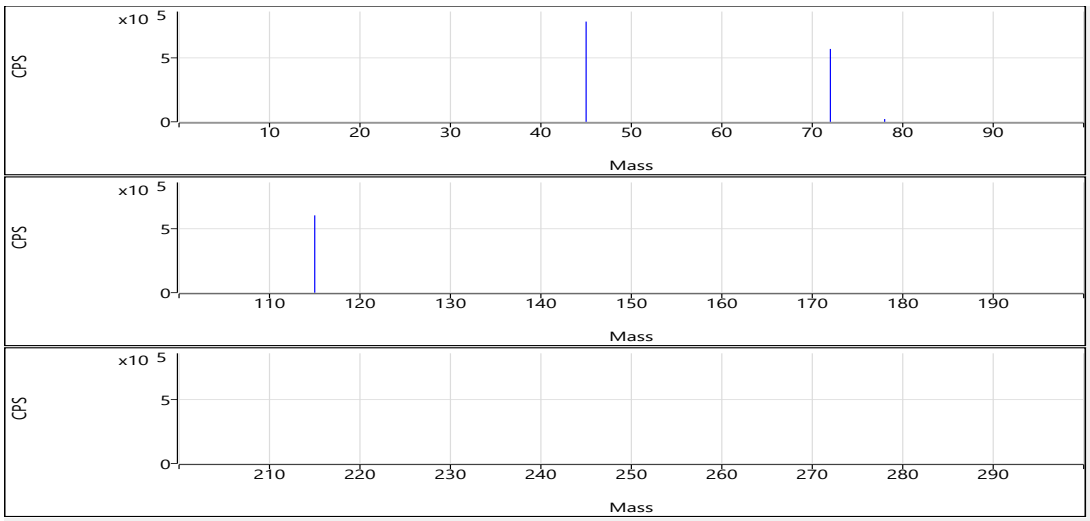
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	708084.86	2.1	103.6	Pulse	0.1000	3
No Gas	Ge	72	359907.60	1.6	99.5	Pulse	0.1000	3
H2	Sc	45	777287.73	1.2	100.5	Pulse	0.1000	3
H2	Ge	72	565221.37	0.1	103.9	Pulse	0.1000	3
H2	In	115	599624.27	0.7	108.7	Pulse	0.1000	3
He	Sc	45	57999.08	0.9	103.9	Pulse	0.1000	3
He	Ge	72	92282.36	1.7	103.3	Pulse	0.1000	3
He	In	115	78860.28	3.1	103.9	Pulse	0.1000	3
He	Tb	159	230681.40	2.3	105.0	Pulse	0.1000	3
He	Bi	209	142262.64	2.1	103.3	Pulse	0.1000	3

No Gas

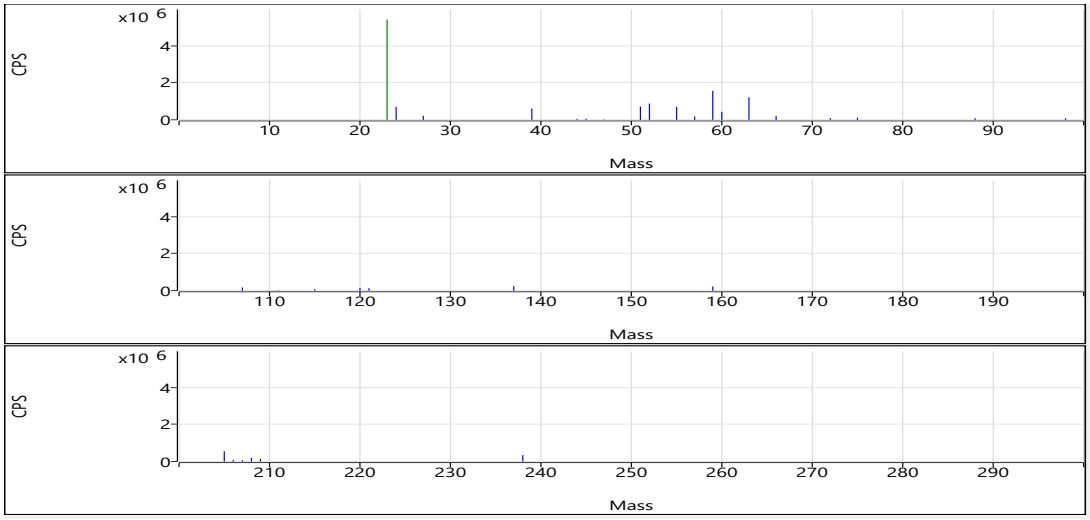


H2



Quantitation Report

He



Quantitation Report

Data File Name	171_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:44:31
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

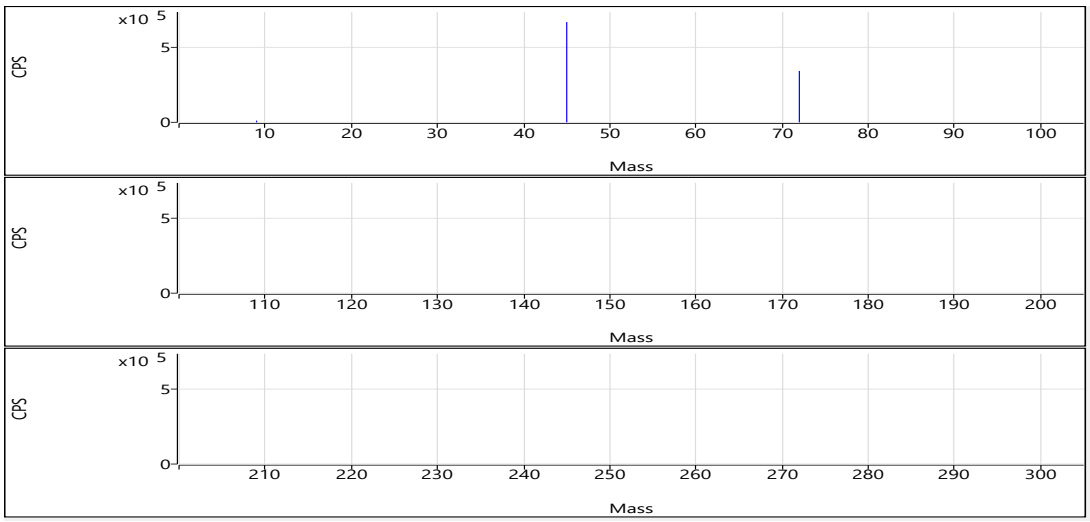
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	54.229	ppb	3.0	10863.30	0.0163	Pulse	0.5000	3
Se	78	72	H2	53.276	ppb	1.1	11451.88	0.0211	Pulse	1.5000	3
Na	23	45	He	5094.771	ppb	1.1	1186183.94	20.2208	Pulse	0.1000	3
Mg	24	45	He	5098.447	ppb	0.3	596064.99	10.1608	Pulse	0.1000	3
Al	27	45	He	5075.500	ppb	0.5	208787.46	3.5591	Pulse	0.1000	3
K	39	45	He	5141.854	ppb	0.5	591258.86	10.0789	Pulse	0.1000	3
Ca	44	45	He	5132.686	ppb	0.4	29984.57	0.5111	Pulse	0.1000	3
Ti	47	45	He	5099.019	ppb	1.1	205957.17	3.5110	Pulse	0.1000	3
V	51	45	He	510.399	ppb	0.7	785861.11	13.3964	Pulse	0.5000	3
Cr	52	72	He	526.844	ppb	1.3	961187.23	10.5497	Pulse	0.1000	3
Mn	55	45	He	511.428	ppb	1.5	467971.78	7.9778	Pulse	0.1000	3
Fe	57	45	He	5104.315	ppb	1.9	188024.58	3.2054	Pulse	0.1000	3
Co	59	72	He	527.322	ppb	1.1	1717309.40	18.8484	Pulse	0.1000	3
Ni	60	115	He	496.573	ppb	1.9	472147.71	5.7901	Pulse	0.1000	3
Cu	63	115	He	496.467	ppb	1.9	1300730.61	15.9512	Pulse	0.1000	3
Zn	66	72	He	528.220	ppb	2.0	155471.77	1.7065	Pulse	0.1000	3
As	75	72	He	535.465	ppb	0.7	122411.40	1.3435	Pulse	0.5000	3
Sr	88	72	He	52.459	ppb	0.6	63572.41	0.6977	Pulse	0.1000	3
Mo	98	72	He	53.358	ppb	0.8	99928.59	1.0966	Pulse	0.1000	3
Ag	107	115	He	50.272	ppb	2.0	190038.87	2.3305	Pulse	0.1000	3
Cd	111	115	He	50.467	ppb	3.4	24035.22	0.2948	Pulse	0.5000	3
Sn	120	115	He	50.147	ppb	2.2	82920.03	1.0169	Pulse	0.1000	3
Sb	121	115	He	51.398	ppb	1.8	71487.91	0.8765	Pulse	0.1000	3
Ba	137	115	He	507.316	ppb	1.5	257742.24	3.1605	Pulse	0.1000	3
Tl	205	209	He	50.952	ppb	2.2	305256.83	2.0673	Pulse	0.1000	3
Pb	208	209	He	50.360	ppb	2.4	401857.07	2.7216	Pulse	0.1000	3
U	238	209	He	50.236	ppb	2.1	388625.60	2.6319	Pulse	0.1000	3

ISTD Table:

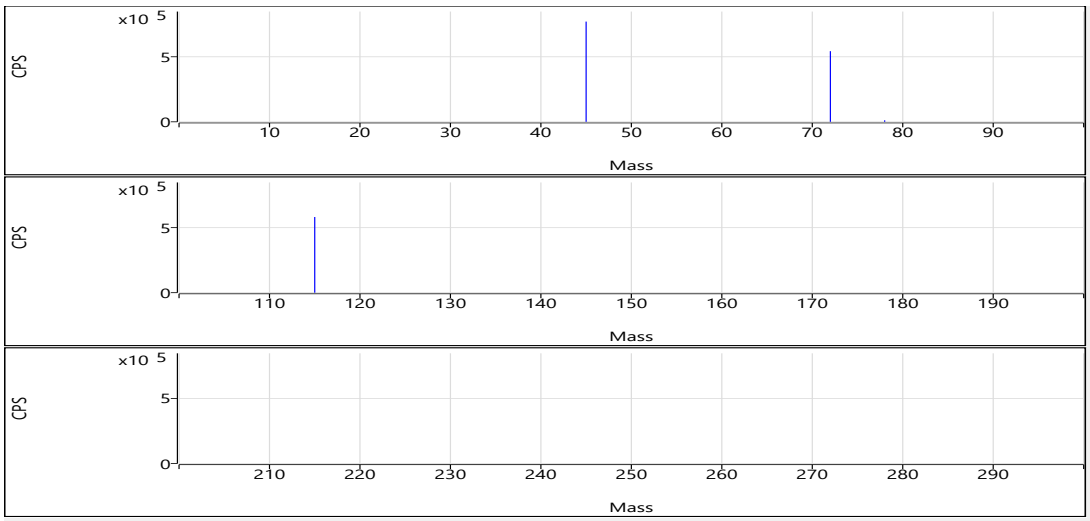
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	667367.67	0.1	97.6	Pulse	0.1000	3
No Gas	Ge	72	341633.94	1.6	94.5	Pulse	0.1000	3
H2	Sc	45	769065.90	2.0	99.4	Pulse	0.1000	3
H2	Ge	72	542149.21	2.2	99.7	Pulse	0.1000	3
H2	In	115	580667.22	2.4	105.3	Pulse	0.1000	3
He	Sc	45	58664.24	0.8	105.1	Pulse	0.1000	3
He	Ge	72	91121.24	1.5	102.0	Pulse	0.1000	3
He	In	115	81568.73	2.4	107.4	Pulse	0.1000	3
He	Tb	159	237756.78	1.7	108.2	Pulse	0.1000	3
He	Bi	209	147718.60	2.8	107.2	Pulse	0.1000	3

No Gas

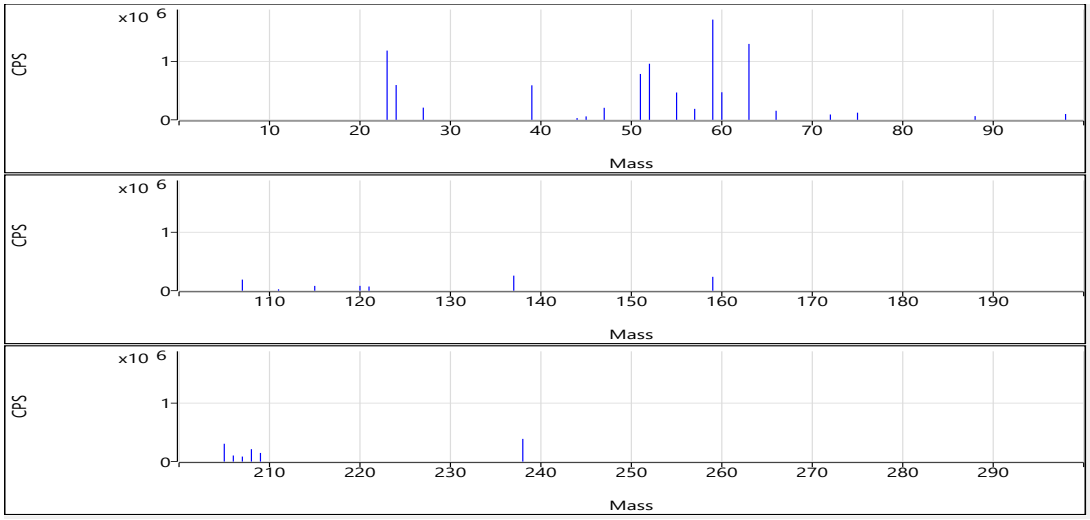


H2



Quantitation Report

He



Quantitation Report

Data File Name	173_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:48:44
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

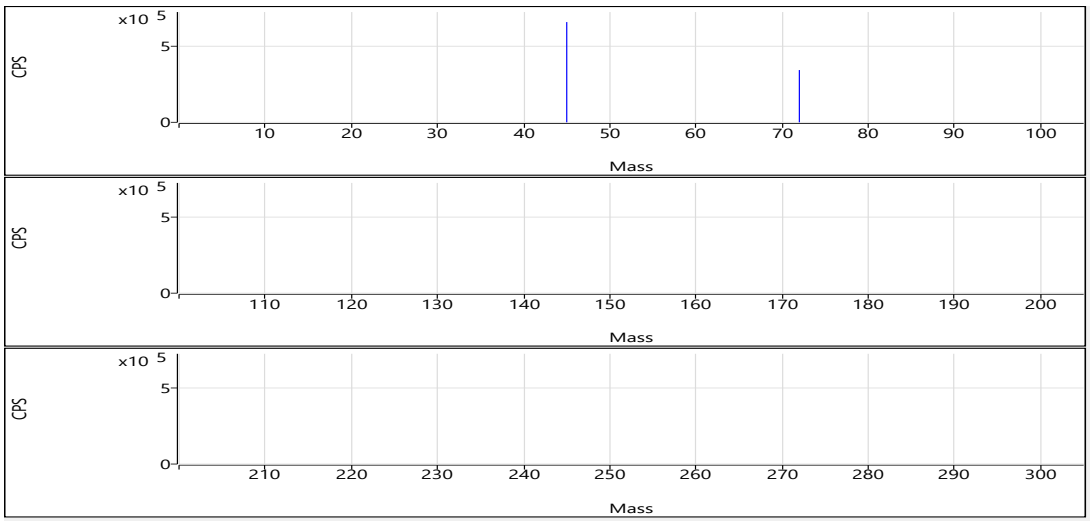
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.003	ppb	N/A	22.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.194	ppb	17.5	50.44	0.0001	Pulse	1.5000	3
Na	23	45	He	24.078	ppb	5.6	21072.16	0.3613	Pulse	0.1000	3
Mg	24	45	He	9.787	ppb	4.8	1766.84	0.0303	Pulse	0.1000	3
Al	27	45	He	3.673	ppb	17.1	303.35	0.0052	Pulse	0.1000	3
K	39	45	He	8.813	ppb	127.4	30796.29	0.5279	Pulse	0.1000	3
Ca	44	45	He	13.715	ppb	135.9	340.02	0.0058	Pulse	0.1000	3
Ti	47	45	He	1.748	ppb	84.7	73.33	0.0013	Pulse	0.1000	3
V	51	45	He	0.386	ppb	9.2	1570.76	0.0269	Pulse	0.5000	3
Cr	52	72	He	0.169	ppb	27.1	2353.61	0.0257	Pulse	0.1000	3
Mn	55	45	He	0.504	ppb	14.8	723.37	0.0124	Pulse	0.1000	3
Fe	57	45	He	2.802	ppb	17.3	353.35	0.0061	Pulse	0.1000	3
Co	59	72	He	0.275	ppb	6.2	1086.75	0.0119	Pulse	0.1000	3
Ni	60	115	He	0.116	ppb	36.4	1263.43	0.0160	Pulse	0.1000	3
Cu	63	115	He	0.287	ppb	9.9	980.07	0.0125	Pulse	0.1000	3
Zn	66	72	He	0.445	ppb	71.1	223.35	0.0024	Pulse	0.1000	3
As	75	72	He	0.505	ppb	36.6	176.00	0.0019	Pulse	0.5000	3
Sr	88	72	He	0.060	ppb	69.5	376.69	0.0041	Pulse	0.1000	3
Mo	98	72	He	0.116	ppb	18.6	273.35	0.0030	Pulse	0.1000	3
Ag	107	115	He	0.029	ppb	28.4	140.01	0.0018	Pulse	0.1000	3
Cd	111	115	He	0.033	ppb	35.4	17.33	0.0002	Pulse	0.5000	3
Sn	120	115	He	0.119	ppb	63.9	4647.62	0.0590	Pulse	0.1000	3
Sb	121	115	He	0.113	ppb	49.5	176.67	0.0022	Pulse	0.1000	3
Ba	137	115	He	0.348	ppb	28.1	266.68	0.0034	Pulse	0.1000	3
Tl	205	209	He	0.075	ppb	12.0	506.70	0.0035	Pulse	0.1000	3
Pb	208	209	He	0.023	ppb	49.2	486.69	0.0034	Pulse	0.1000	3
U	238	209	He	0.039	ppb	27.1	413.35	0.0029	Pulse	0.1000	3

ISTD Table:

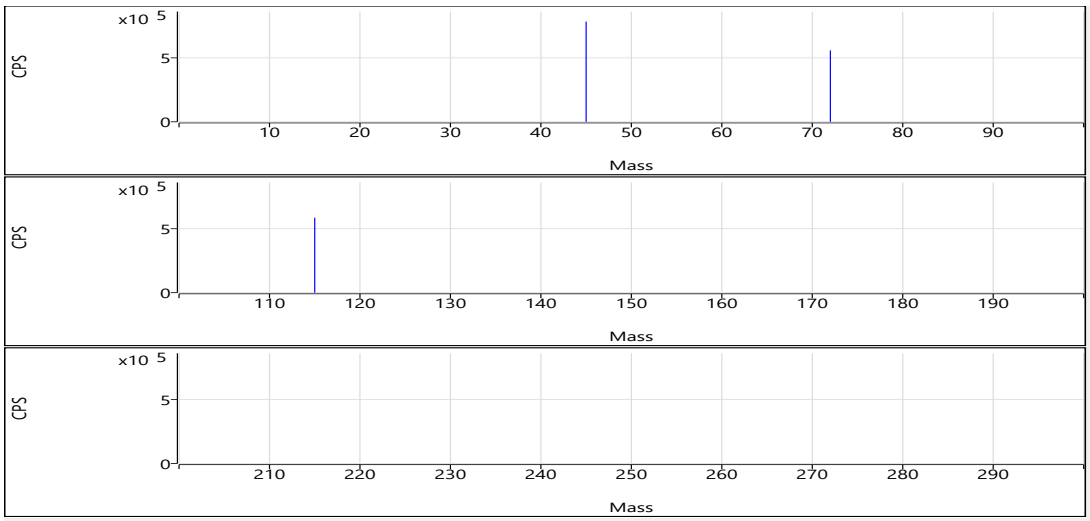
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	660097.67	0.8	96.6	Pulse	0.1000	3
No Gas	Ge	72	344084.37	0.5	95.1	Pulse	0.1000	3
H2	Sc	45	778834.47	1.8	100.7	Pulse	0.1000	3
H2	Ge	72	555107.87	2.0	102.0	Pulse	0.1000	3
H2	In	115	582941.97	1.9	105.7	Pulse	0.1000	3
He	Sc	45	58330.57	0.9	104.5	Pulse	0.1000	3
He	Ge	72	91517.24	0.3	102.5	Pulse	0.1000	3
He	In	115	78745.33	3.1	103.7	Pulse	0.1000	3
He	Tb	159	231831.72	0.2	105.5	Pulse	0.1000	3
He	Bi	209	143289.60	0.9	104.0	Pulse	0.1000	3

No Gas

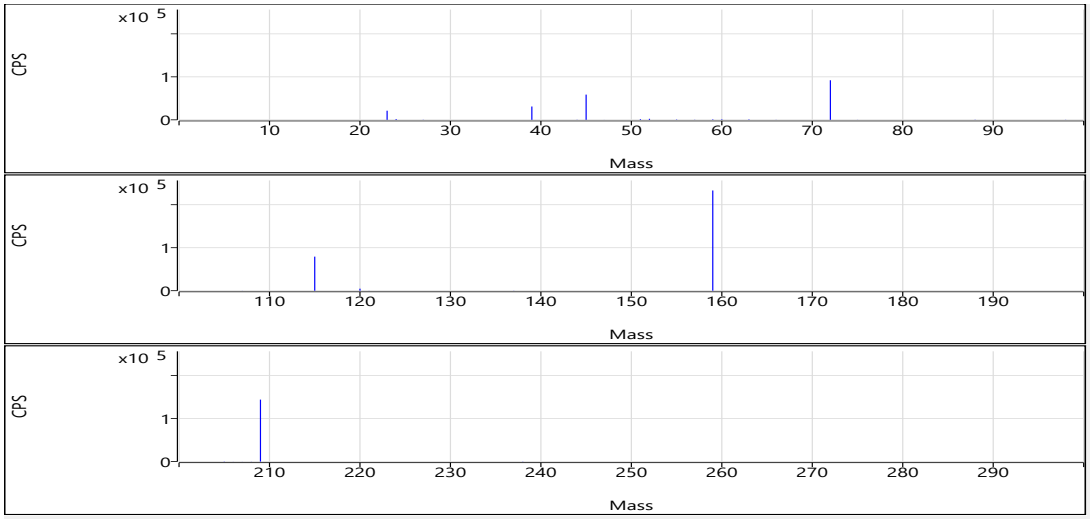


H2



Quantitation Report

He



Quantitation Report

Data File Name	174SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:50:50
Sample Name	410-235042-H-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

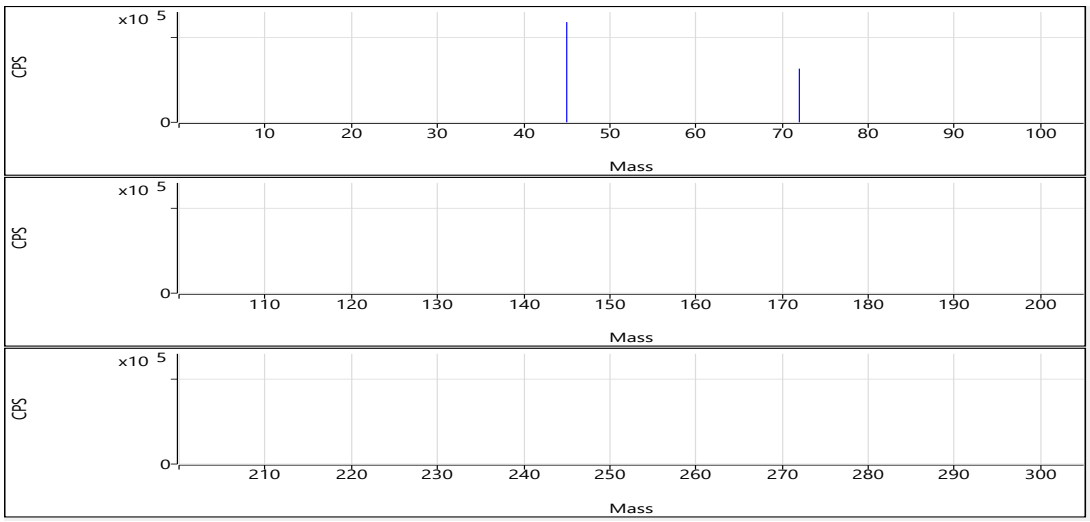
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.021	ppb	273.5	24.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.905	ppb	2.7	111.11	0.0004	Pulse	1.5000	3
Na	23	45	He	8651070.577	ppb	1.8	1730132614.22	33 882.4054	Analog	0.1000	3
Mg	24	45	He	11728.011	ppb	1.9	1192805.35	23.3590	Pulse	0.1000	3
Al	27	45	He	902.564	ppb	2.5	32426.22	0.6351	Pulse	0.1000	3
K	39	45	He	476657.018	ppb	1.2	45318902.66	887.4255	Analog	0.1000	3
Ca	44	45	He	38880.219	ppb	1.8	196200.76	3.8424	Pulse	0.1000	3
Ti	47	45	He	11.765	ppb	4.1	416.69	0.0082	Pulse	0.1000	3
V	51	45	He	38.487	ppb	2.2	52373.79	1.0257	Pulse	0.5000	3
Cr	52	72	He	88.589	ppb	3.9	129996.51	1.7925	Pulse	0.1000	3
Mn	55	45	He	76.032	ppb	1.6	60764.45	1.1899	Pulse	0.1000	3
Fe	57	45	He	2034.665	ppb	1.0	65384.12	1.2803	Pulse	0.1000	3
Co	59	72	He	12.723	ppb	2.3	33131.90	0.4568	Pulse	0.1000	3
Ni	60	115	He	269.515	ppb	2.2	181398.15	3.1493	Pulse	0.1000	3
Cu	63	115	He	96.115	ppb	1.8	178039.73	3.0908	Pulse	0.1000	3
Zn	66	72	He	947.311	ppb	1.7	221959.51	3.0597	Pulse	0.1000	3
As	75	72	He	8.871	ppb	5.2	1660.78	0.0229	Pulse	0.5000	3
Sr	88	72	He	137.776	ppb	1.3	132543.62	1.8270	Pulse	0.1000	3
Mo	98	72	He	80.643	ppb	2.5	120194.45	1.6570	Pulse	0.1000	3
Ag	107	115	He	0.193	ppb	15.0	540.03	0.0094	Pulse	0.1000	3
Cd	111	115	He	0.243	ppb	9.4	83.33	0.0014	Pulse	0.5000	3
Sn	120	115	He	0.399	ppb	11.6	3710.64	0.0644	Pulse	0.1000	3
Sb	121	115	He	4.832	ppb	5.1	4761.01	0.0827	Pulse	0.1000	3
Ba	137	115	He	5.023	ppb	2.8	1873.52	0.0325	Pulse	0.1000	3
Tl	205	209	He	0.221	ppb	3.6	903.40	0.0095	Pulse	0.1000	3
Pb	208	209	He	6.221	ppb	3.3	32309.99	0.3381	Pulse	0.1000	3
U	238	209	He	0.110	ppb	7.6	630.04	0.0066	Pulse	0.1000	3

ISTD Table:

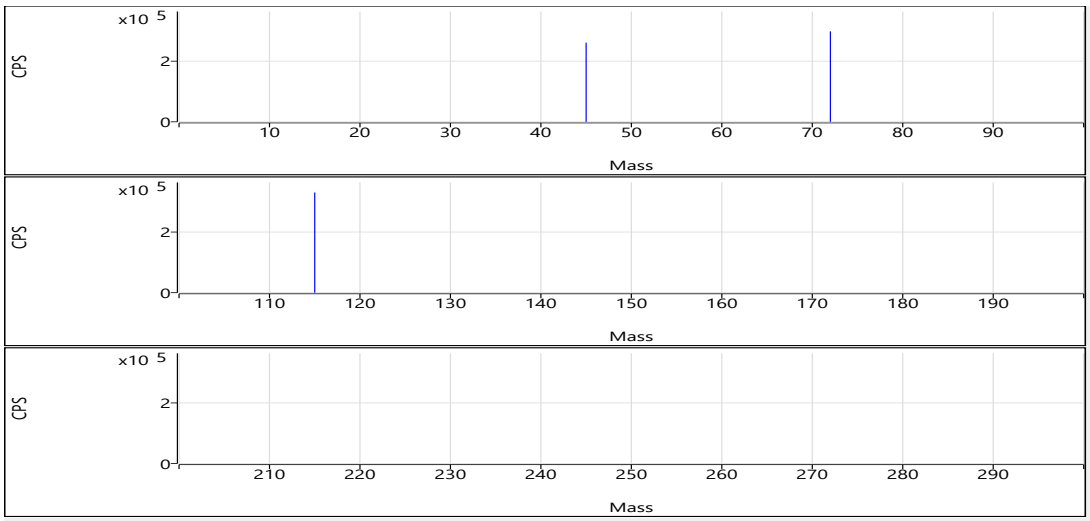
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	591510.75	0.3	86.5	Pulse	0.1000	3
No Gas	Ge	72	316542.50	0.4	87.5	Pulse	0.1000	3
H2	Sc	45	260972.72	1.7	33.7	Pulse	0.1000	3
H2	Ge	72	298361.80	1.2	54.8	Pulse	0.1000	3
H2	In	115	330629.40	0.4	59.9	Pulse	0.1000	3
He	Sc	45	51072.85	1.6	91.5	Pulse	0.1000	3
He	Ge	72	72563.03	2.4	81.2	Pulse	0.1000	3
He	In	115	57613.76	1.9	75.9	Pulse	0.1000	3
He	Tb	159	167354.20	2.2	76.1	Pulse	0.1000	3
He	Bi	209	95529.29	2.5	69.3	Pulse	0.1000	3

No Gas

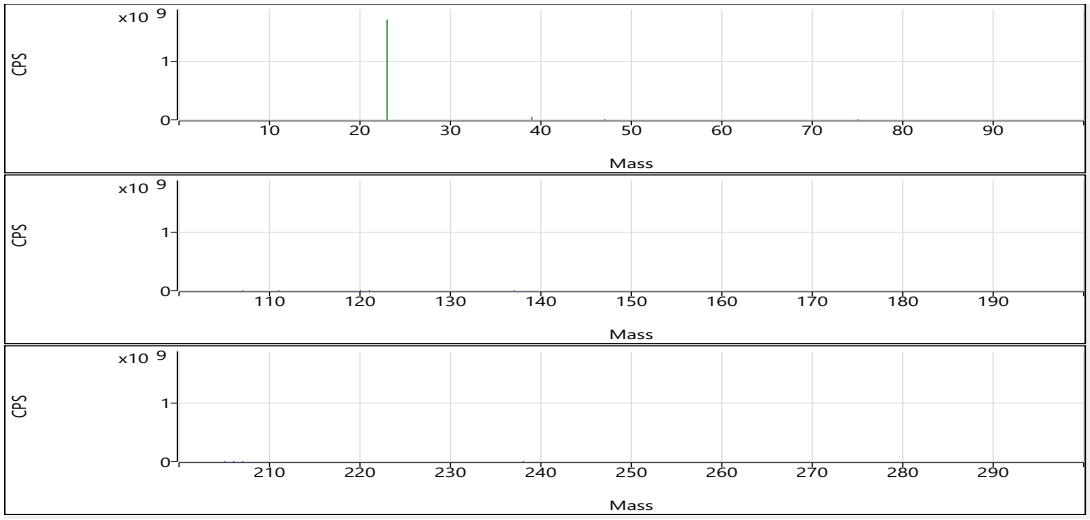


H2



Quantitation Report

He



Quantitation Report

Data File Name	182_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:07:42
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

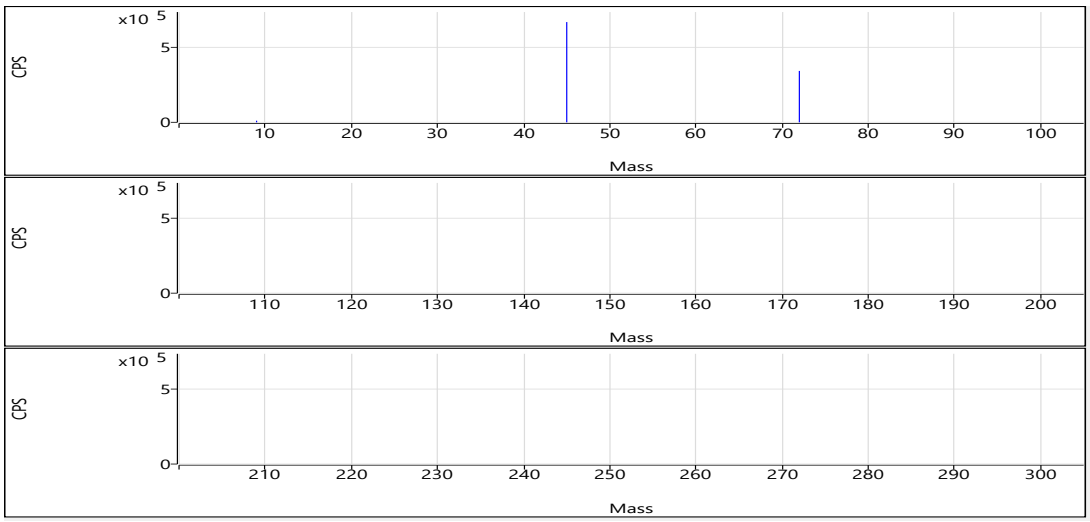
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	52.850	ppb	1.8	10635.15	0.0159	Pulse	0.5000	3
Se	78	72	H2	52.715	ppb	2.0	11474.56	0.0209	Pulse	1.5000	3
Na	23	45	He	5995.216	ppb	1.9	1380004.98	23.7474	Pulse	0.1000	3
Mg	24	45	He	5027.834	ppb	1.6	582318.93	10.0202	Pulse	0.1000	3
Al	27	45	He	5043.188	ppb	2.9	205488.91	3.5364	Pulse	0.1000	3
K	39	45	He	5192.697	ppb	1.8	591207.85	10.1735	Pulse	0.1000	3
Ca	44	45	He	5185.859	ppb	2.9	30004.77	0.5164	Pulse	0.1000	3
Ti	47	45	He	5074.045	ppb	1.7	203032.56	3.4938	Pulse	0.1000	3
V	51	45	He	508.640	ppb	2.4	775766.21	13.3503	Pulse	0.5000	3
Cr	52	72	He	526.774	ppb	0.4	949300.74	10.5483	Pulse	0.1000	3
Mn	55	45	He	509.687	ppb	1.9	462022.99	7.9506	Pulse	0.1000	3
Fe	57	45	He	5008.128	ppb	1.9	182767.44	3.1451	Pulse	0.1000	3
Co	59	72	He	524.710	ppb	0.6	1687860.81	18.7551	Pulse	0.1000	3
Ni	60	115	He	505.640	ppb	0.9	463764.61	5.8956	Pulse	0.1000	3
Cu	63	115	He	503.497	ppb	0.9	1272520.24	16.1771	Pulse	0.1000	3
Zn	66	72	He	520.173	ppb	1.4	151232.80	1.6805	Pulse	0.1000	3
As	75	72	He	528.736	ppb	0.2	119391.14	1.3266	Pulse	0.5000	3
Sr	88	72	He	52.004	ppb	1.2	62243.35	0.6917	Pulse	0.1000	3
Mo	98	72	He	52.271	ppb	0.8	96676.12	1.0742	Pulse	0.1000	3
Ag	107	115	He	50.682	ppb	0.1	184829.94	2.3495	Pulse	0.1000	3
Cd	111	115	He	50.970	ppb	0.6	23421.52	0.2977	Pulse	0.5000	3
Sn	120	115	He	50.228	ppb	1.4	80110.80	1.0184	Pulse	0.1000	3
Sb	121	115	He	50.695	ppb	1.4	67999.81	0.8645	Pulse	0.1000	3
Ba	137	115	He	508.265	ppb	1.0	249077.88	3.1664	Pulse	0.1000	3
Tl	205	209	He	51.049	ppb	0.6	293128.92	2.0712	Pulse	0.1000	3
Pb	208	209	He	50.921	ppb	0.7	389448.16	2.7518	Pulse	0.1000	3
U	238	209	He	50.020	ppb	0.6	370867.82	2.6205	Pulse	0.1000	3

ISTD Table:

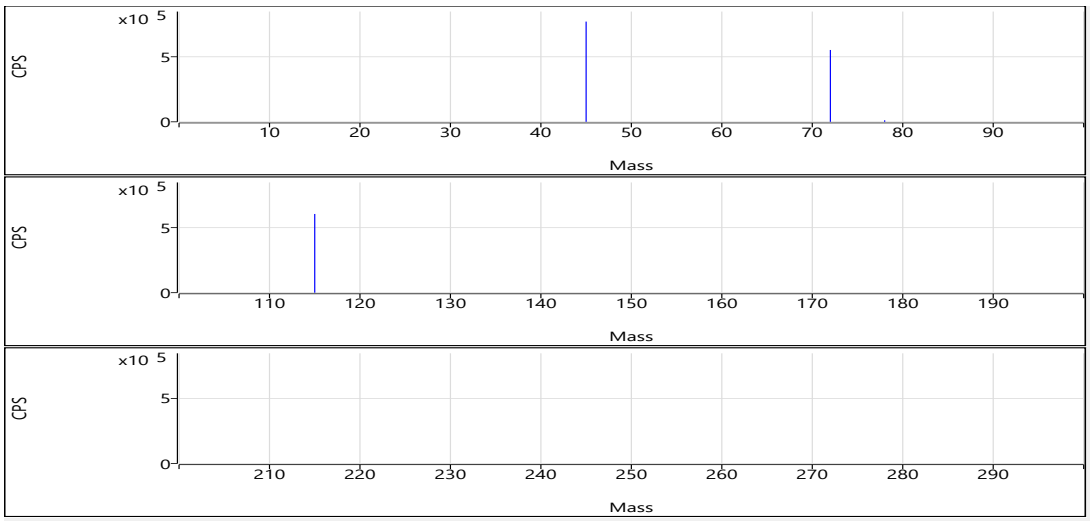
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	670453.79	0.9	98.1	Pulse	0.1000	3
No Gas	Ge	72	343653.30	0.5	95.0	Pulse	0.1000	3
H2	Sc	45	766183.14	0.7	99.1	Pulse	0.1000	3
H2	Ge	72	549219.39	2.5	101.0	Pulse	0.1000	3
H2	In	115	601787.31	2.0	109.1	Pulse	0.1000	3
He	Sc	45	58122.73	1.5	104.1	Pulse	0.1000	3
He	Ge	72	89997.43	0.8	100.8	Pulse	0.1000	3
He	In	115	78666.81	1.0	103.6	Pulse	0.1000	3
He	Tb	159	228809.81	1.2	104.1	Pulse	0.1000	3
He	Bi	209	141523.93	0.3	102.7	Pulse	0.1000	3

No Gas

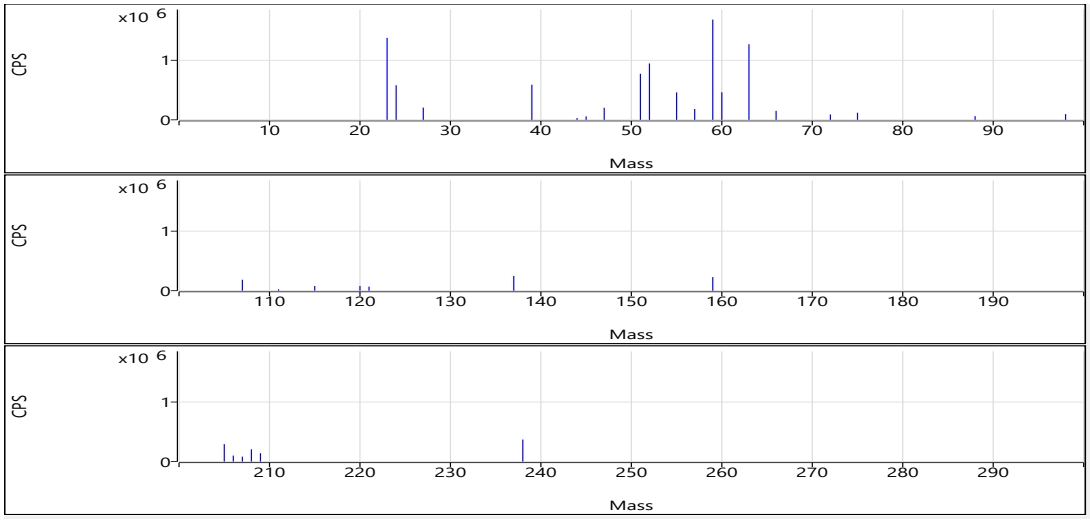


H2



Quantitation Report

He



Quantitation Report

Data File Name	185_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:14:01
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

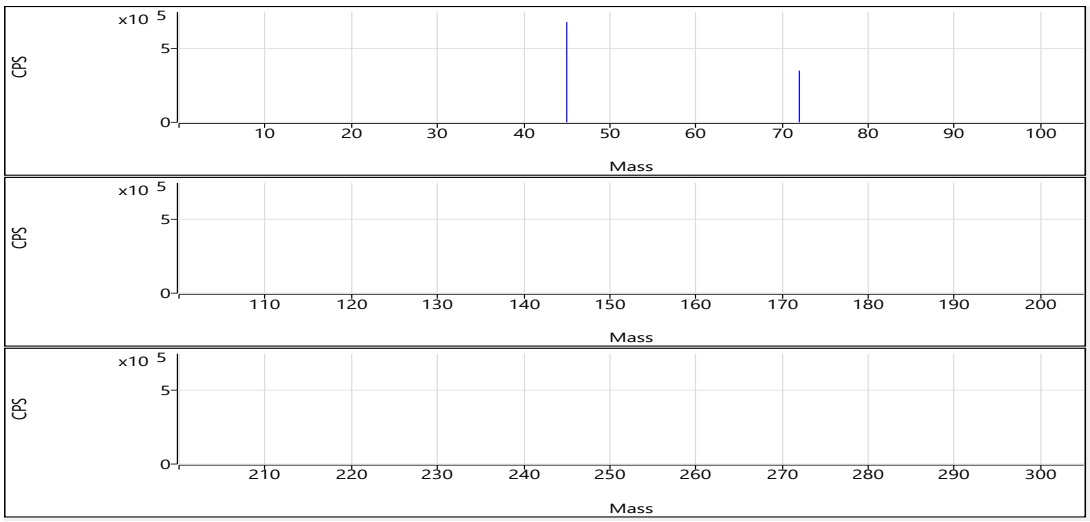
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.035	ppb	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.089	ppb	23.6	26.89	0.0000	Pulse	1.5000	3
Na	23	45	He	648.833	ppb	2.3	159321.00	2.8081	Pulse	0.1000	3
Mg	24	45	He	5.640	ppb	5.3	1250.11	0.0220	Pulse	0.1000	3
Al	27	45	He	1.947	ppb	39.5	226.68	0.0040	Pulse	0.1000	3
K	39	45	He	43.350	ppb	37.0	33602.51	0.5922	Pulse	0.1000	3
Ca	44	45	He	7.619	ppb	99.8	296.68	0.0052	Pulse	0.1000	3
Ti	47	45	He	1.703	ppb	29.4	70.00	0.0012	Pulse	0.1000	3
V	51	45	He	0.270	ppb	5.1	1354.74	0.0239	Pulse	0.5000	3
Cr	52	72	He	0.122	ppb	59.2	2233.58	0.0248	Pulse	0.1000	3
Mn	55	45	He	0.240	ppb	15.5	470.02	0.0083	Pulse	0.1000	3
Fe	57	45	He	1.291	ppb	77.4	290.01	0.0051	Pulse	0.1000	3
Co	59	72	He	0.137	ppb	14.8	626.70	0.0070	Pulse	0.1000	3
Ni	60	115	He	0.184	ppb	68.1	1333.44	0.0168	Pulse	0.1000	3
Cu	63	115	He	0.249	ppb	14.6	890.06	0.0113	Pulse	0.1000	3
Zn	66	72	He	0.376	ppb	57.9	200.01	0.0022	Pulse	0.1000	3
As	75	72	He	0.316	ppb	13.7	130.67	0.0014	Pulse	0.5000	3
Sr	88	72	He	0.035	ppb	126.7	340.02	0.0038	Pulse	0.1000	3
Mo	98	72	He	0.021	ppb	38.0	93.33	0.0010	Pulse	0.1000	3
Ag	107	115	He	0.009	ppb	94.3	66.67	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.015	ppb	111.6	9.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	0.081	ppb	50.6	4614.27	0.0583	Pulse	0.1000	3
Sb	121	115	He	0.041	ppb	29.2	80.00	0.0010	Pulse	0.1000	3
Ba	137	115	He	0.257	ppb	36.0	223.34	0.0028	Pulse	0.1000	3
Tl	205	209	He	0.026	ppb	35.9	223.34	0.0016	Pulse	0.1000	3
Pb	208	209	He	0.015	ppb	47.6	420.01	0.0030	Pulse	0.1000	3
U	238	209	He	0.011	ppb	60.4	203.34	0.0014	Pulse	0.1000	3

ISTD Table:

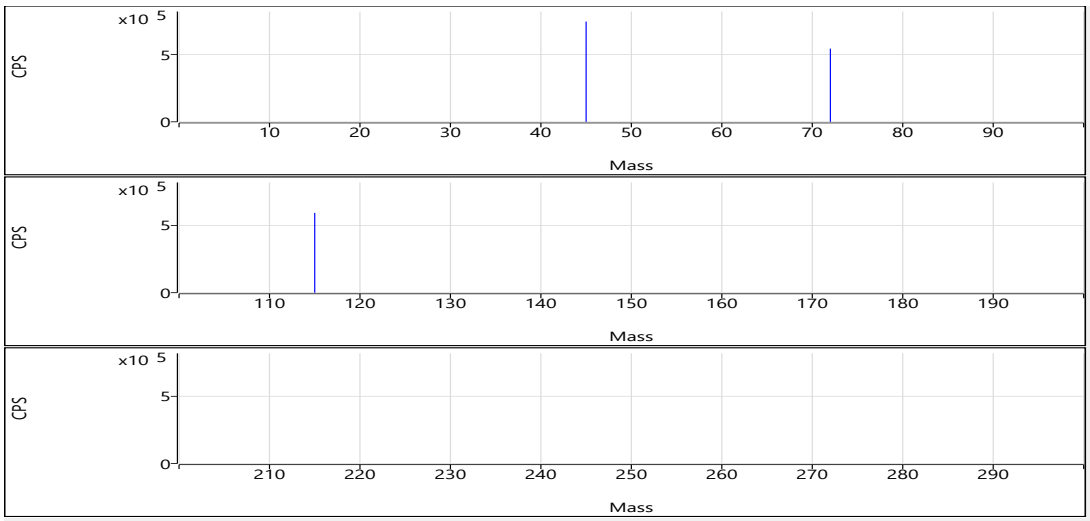
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	675453.56	1.2	98.8	Pulse	0.1000	3
No Gas	Ge	72	347981.13	1.0	96.2	Pulse	0.1000	3
H2	Sc	45	747700.36	0.9	96.7	Pulse	0.1000	3
H2	Ge	72	545813.77	1.1	100.3	Pulse	0.1000	3
H2	In	115	595110.67	1.7	107.9	Pulse	0.1000	3
He	Sc	45	56730.74	0.7	101.6	Pulse	0.1000	3
He	Ge	72	90128.70	0.4	100.9	Pulse	0.1000	3
He	In	115	79147.63	1.6	104.2	Pulse	0.1000	3
He	Tb	159	228940.68	0.8	104.2	Pulse	0.1000	3
He	Bi	209	142334.96	0.6	103.3	Pulse	0.1000	3

No Gas

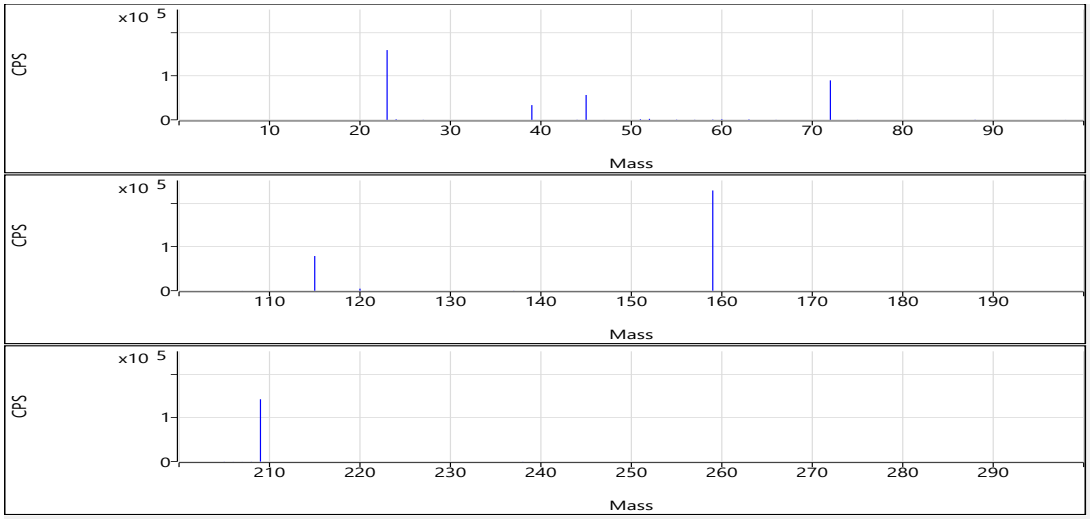


H2



Quantitation Report

He



Quantitation Report

Data File Name	186SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:16:07
Sample Name	410-235528-M-1-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

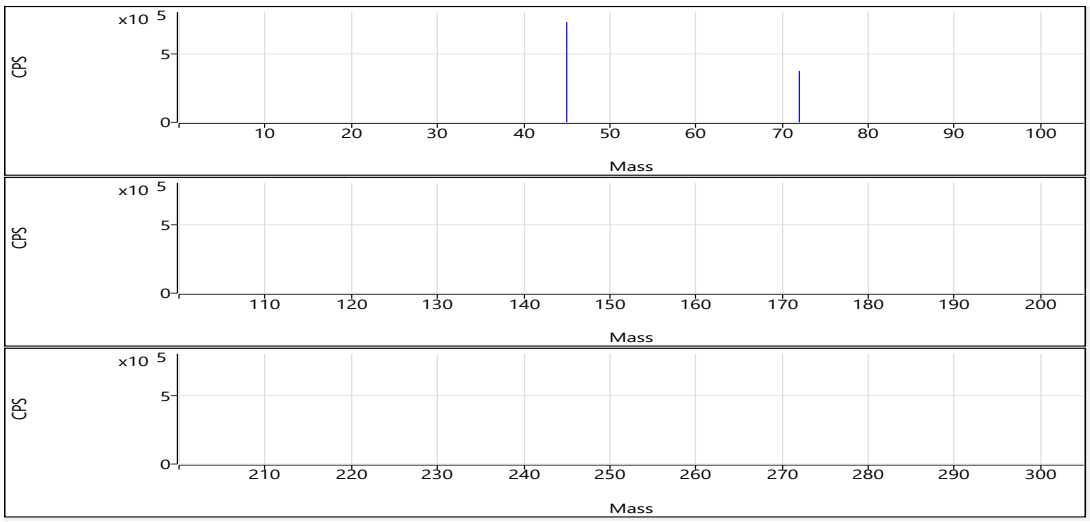
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.022	ppb	N/A	20.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.086	ppb	28.2	28.00	0.0000	Pulse	1.5000	3
Na	23	45	He	11630.628	ppb	2.6	2737327.25	45.8186	Pulse	0.1000	3
Mg	24	45	He	4883.494	ppb	3.3	581452.52	9.7329	Pulse	0.1000	3
Al	27	45	He	3.324	ppb	55.5	296.68	0.0050	Pulse	0.1000	3
K	39	45	He	1343.515	ppb	3.3	179907.26	3.0114	Pulse	0.1000	3
Ca	44	45	He	36281.458	ppb	1.9	214238.28	3.5858	Pulse	0.1000	3
Ti	47	45	He	1.292	ppb	12.1	56.67	0.0009	Pulse	0.1000	3
V	51	45	He	0.123	ppb	39.4	1196.06	0.0200	Pulse	0.5000	3
Cr	52	72	He	0.051	ppb	97.4	2176.91	0.0234	Pulse	0.1000	3
Mn	55	45	He	28.433	ppb	2.3	26755.16	0.4478	Pulse	0.1000	3
Fe	57	45	He	29.524	ppb	13.3	1363.45	0.0228	Pulse	0.1000	3
Co	59	72	He	0.128	ppb	8.0	616.70	0.0066	Pulse	0.1000	3
Ni	60	115	He	0.207	ppb	62.7	1396.78	0.0171	Pulse	0.1000	3
Cu	63	115	He	4.942	ppb	2.4	13233.18	0.1620	Pulse	0.1000	3
Zn	66	72	He	9.716	ppb	6.1	3017.09	0.0324	Pulse	0.1000	3
As	75	72	He	2.819	ppb	5.0	720.02	0.0077	Pulse	0.5000	3
Sr	88	72	He	512.815	ppb	1.5	632958.01	6.7911	Pulse	0.1000	3
Mo	98	72	He	1.392	ppb	2.3	2720.38	0.0292	Pulse	0.1000	3
Ag	107	115	He	0.005	ppb	70.0	56.67	0.0007	Pulse	0.1000	3
Cd	111	115	He	0.022	ppb	38.7	12.67	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.134	ppb	N/A	4427.53	0.0542	Pulse	0.1000	3
Sb	121	115	He	0.071	ppb	13.4	123.34	0.0015	Pulse	0.1000	3
Ba	137	115	He	111.249	ppb	2.3	56697.15	0.6940	Pulse	0.1000	3
Tl	205	209	He	0.019	ppb	45.0	180.01	0.0013	Pulse	0.1000	3
Pb	208	209	He	0.199	ppb	10.6	1840.13	0.0129	Pulse	0.1000	3
U	238	209	He	4.993	ppb	1.8	37572.17	0.2623	Pulse	0.1000	3

ISTD Table:

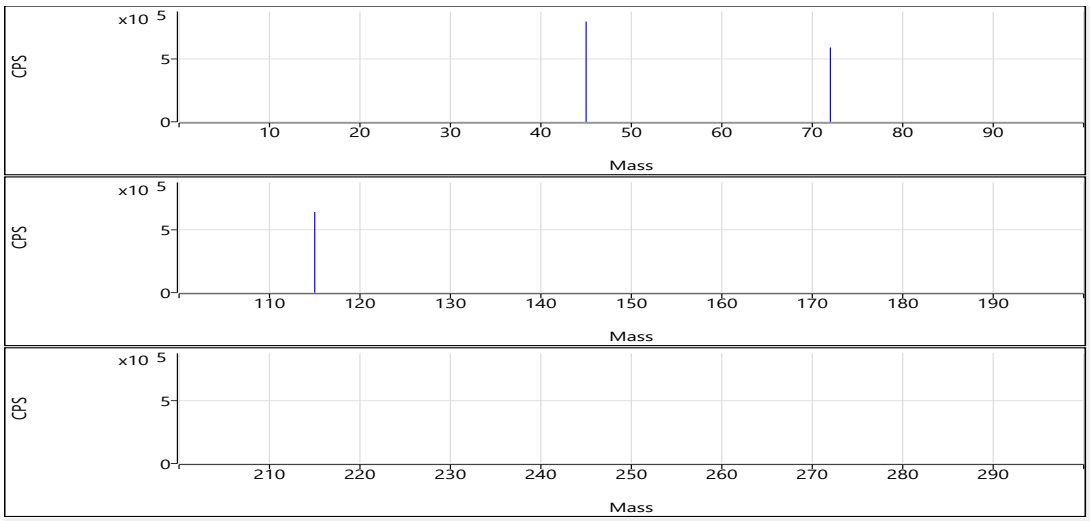
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	728922.23	0.5	106.6	Pulse	0.1000	3
No Gas	Ge	72	373133.43	0.1	103.2	Pulse	0.1000	3
H2	Sc	45	790938.40	0.6	102.3	Pulse	0.1000	3
H2	Ge	72	586852.06	1.0	107.9	Pulse	0.1000	3
H2	In	115	636758.23	0.8	115.4	Pulse	0.1000	3
He	Sc	45	59755.86	1.3	107.1	Pulse	0.1000	3
He	Ge	72	93211.43	0.8	104.4	Pulse	0.1000	3
He	In	115	81710.91	1.7	107.6	Pulse	0.1000	3
He	Tb	159	236409.53	1.4	107.6	Pulse	0.1000	3
He	Bi	209	143252.42	2.2	104.0	Pulse	0.1000	3

No Gas

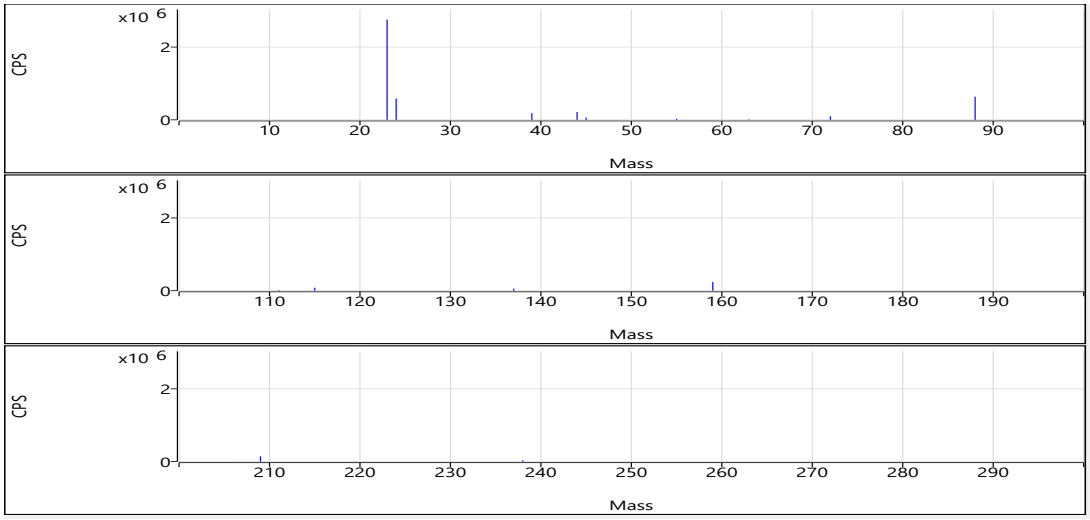


H2



Quantitation Report

He



Quantitation Report

Data File Name	187SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:18:14
Sample Name	410-235528-H-1-A DU
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

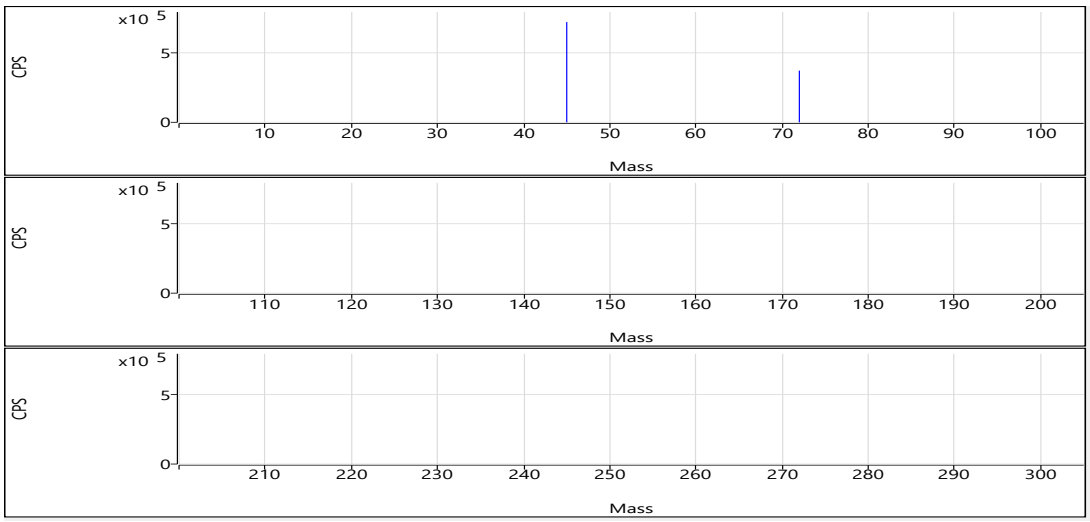
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.002	ppb	N/A	24.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.080	ppb	21.9	25.56	0.0000	Pulse	1.5000	3
Na	23	45	He	11755.360	ppb	1.8	2851212.98	46.3071	Pulse	0.1000	3
Mg	24	45	He	4965.500	ppb	1.9	609322.30	9.8961	Pulse	0.1000	3
Al	27	45	He	4.664	ppb	6.6	363.35	0.0059	Pulse	0.1000	3
K	39	45	He	1354.004	ppb	3.0	186592.59	3.0309	Pulse	0.1000	3
Ca	44	45	He	36961.203	ppb	1.3	224929.73	3.6529	Pulse	0.1000	3
Ti	47	45	He	1.797	ppb	21.3	80.00	0.0013	Pulse	0.1000	3
V	51	45	He	0.091	ppb	34.6	1181.39	0.0192	Pulse	0.5000	3
Cr	52	72	He	-0.122	ppb	N/A	1940.21	0.0199	Pulse	0.1000	3
Mn	55	45	He	22.820	ppb	1.2	22190.90	0.3603	Pulse	0.1000	3
Fe	57	45	He	20.682	ppb	5.0	1063.41	0.0173	Pulse	0.1000	3
Co	59	72	He	0.111	ppb	24.7	586.70	0.0060	Pulse	0.1000	3
Ni	60	115	He	-0.071	ppb	N/A	1176.75	0.0139	Pulse	0.1000	3
Cu	63	115	He	3.268	ppb	2.7	9163.26	0.1082	Pulse	0.1000	3
Zn	66	72	He	8.077	ppb	6.8	2640.34	0.0271	Pulse	0.1000	3
As	75	72	He	2.633	ppb	0.8	708.02	0.0073	Pulse	0.5000	3
Sr	88	72	He	511.869	ppb	2.0	661021.49	6.7786	Pulse	0.1000	3
Mo	98	72	He	1.520	ppb	6.7	3103.78	0.0318	Pulse	0.1000	3
Ag	107	115	He	0.008	ppb	35.6	70.00	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.028	ppb	41.1	16.00	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.392	ppb	N/A	4167.41	0.0493	Pulse	0.1000	3
Sb	121	115	He	0.075	ppb	30.0	133.34	0.0016	Pulse	0.1000	3
Ba	137	115	He	113.604	ppb	1.3	60018.46	0.7087	Pulse	0.1000	3
Tl	205	209	He	0.019	ppb	32.7	190.01	0.0013	Pulse	0.1000	3
Pb	208	209	He	0.115	ppb	4.0	1226.75	0.0084	Pulse	0.1000	3
U	238	209	He	5.083	ppb	2.5	39166.60	0.2671	Pulse	0.1000	3

ISTD Table:

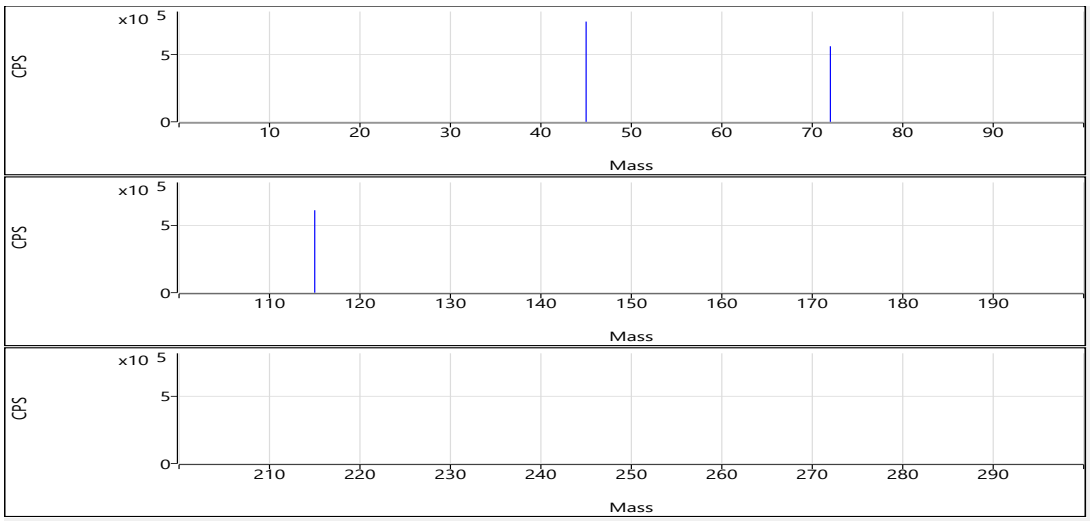
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	715930.41	0.3	104.7	Pulse	0.1000	3
No Gas	Ge	72	369135.97	0.6	102.1	Pulse	0.1000	3
H2	Sc	45	742281.03	1.9	96.0	Pulse	0.1000	3
H2	Ge	72	559622.82	0.9	102.9	Pulse	0.1000	3
H2	In	115	610598.30	0.7	110.7	Pulse	0.1000	3
He	Sc	45	61586.60	2.3	110.3	Pulse	0.1000	3
He	Ge	72	97522.24	1.0	109.2	Pulse	0.1000	3
He	In	115	84710.54	3.1	111.6	Pulse	0.1000	3
He	Tb	159	239136.27	1.5	108.8	Pulse	0.1000	3
He	Bi	209	146669.13	0.9	106.5	Pulse	0.1000	3

No Gas

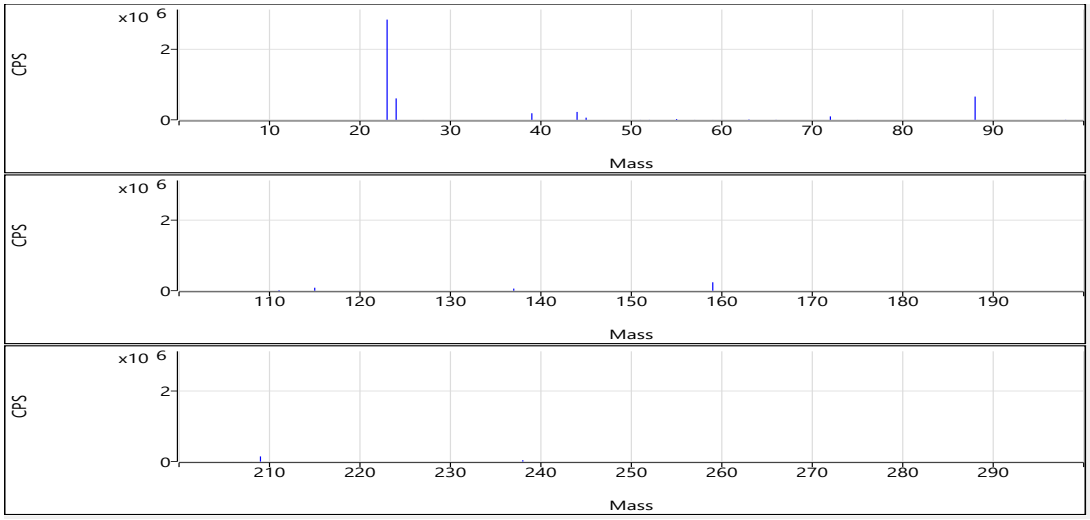


H2



Quantitation Report

He



Quantitation Report

Data File Name	188SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:20:20
Sample Name	410-235528-H-1-B MS
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

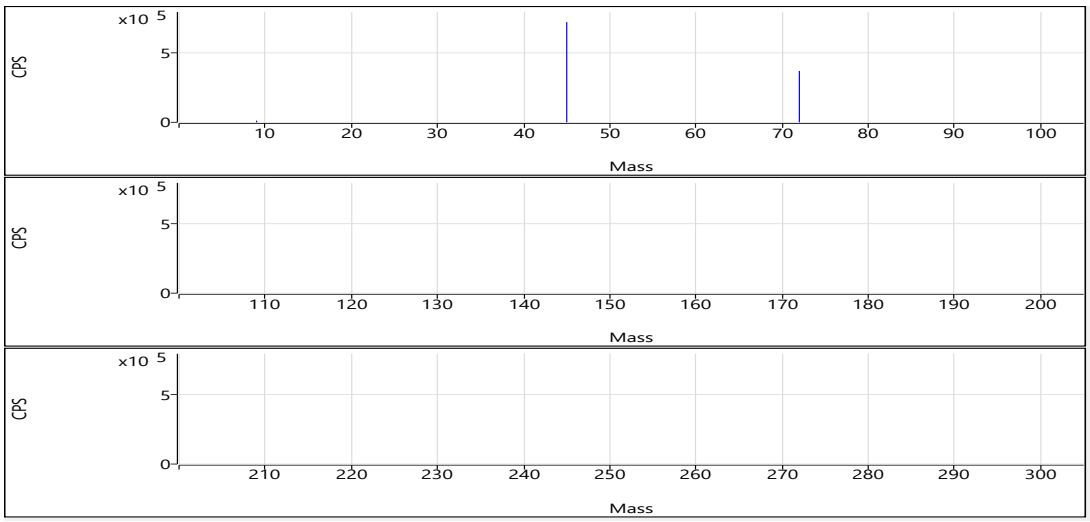
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	56.158	ppb	2.0	12091.57	0.0169	Pulse	0.5000	3
Se	78	72	H2	96.236	ppb	1.1	21915.49	0.0381	Pulse	1.5000	3
Na	23	45	He	16573.377	ppb	1.9	3935358.17	65.1770	Pulse	0.1000	3
Mg	24	45	He	9656.363	ppb	1.8	1161418.08	19.2347	Pulse	0.1000	3
Al	27	45	He	4729.234	ppb	0.4	200307.03	3.3164	Pulse	0.1000	3
K	39	45	He	6262.728	ppb	2.1	734474.34	12.1645	Pulse	0.1000	3
Ca	44	45	He	42033.167	ppb	1.7	250801.99	4.1536	Pulse	0.1000	3
Ti	47	45	He	495.862	ppb	5.5	20608.41	0.3415	Pulse	0.1000	3
V	51	45	He	473.625	ppb	1.8	750686.92	12.4324	Pulse	0.5000	3
Cr	52	72	He	484.584	ppb	1.0	914886.03	9.7052	Pulse	0.1000	3
Mn	55	45	He	498.808	ppb	1.0	469875.06	7.7810	Pulse	0.1000	3
Fe	57	45	He	4763.752	ppb	1.3	180670.18	2.9918	Pulse	0.1000	3
Co	59	72	He	485.454	ppb	0.6	1635737.48	17.3521	Pulse	0.1000	3
Ni	60	115	He	471.568	ppb	1.2	448046.71	5.4993	Pulse	0.1000	3
Cu	63	115	He	473.654	ppb	1.7	1239829.38	15.2184	Pulse	0.1000	3
Zn	66	72	He	496.934	ppb	1.1	151345.29	1.6055	Pulse	0.1000	3
As	75	72	He	505.573	ppb	1.0	119580.22	1.2685	Pulse	0.5000	3
Sr	88	72	He	573.965	ppb	0.9	716478.04	7.6005	Pulse	0.1000	3
Mo	98	72	He	49.048	ppb	1.2	95025.30	1.0080	Pulse	0.1000	3
Ag	107	115	He	48.388	ppb	2.7	182728.96	2.2432	Pulse	0.1000	3
Cd	111	115	He	48.129	ppb	1.4	22905.32	0.2811	Pulse	0.5000	3
Sn	120	115	He	96.181	ppb	0.2	154670.82	1.8983	Pulse	0.1000	3
Sb	121	115	He	97.334	ppb	0.8	135214.43	1.6595	Pulse	0.1000	3
Ba	137	115	He	601.506	ppb	1.2	305282.42	3.7471	Pulse	0.1000	3
Tl	205	209	He	97.643	ppb	1.3	576354.99	3.9612	Pulse	0.1000	3
Pb	208	209	He	48.655	ppb	1.1	382596.10	2.6295	Pulse	0.1000	3
U	238	209	He	52.917	ppb	1.3	403390.50	2.7723	Pulse	0.1000	3

ISTD Table:

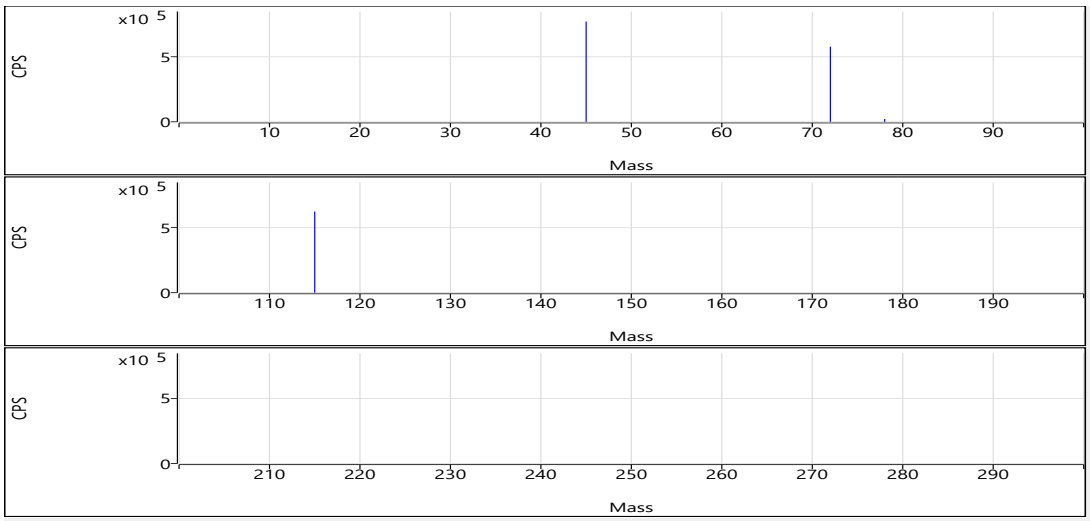
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	717352.49	0.8	104.9	Pulse	0.1000	3
No Gas	Ge	72	367495.33	0.4	101.6	Pulse	0.1000	3
H2	Sc	45	766729.75	1.4	99.1	Pulse	0.1000	3
H2	Ge	72	574562.87	2.0	105.6	Pulse	0.1000	3
H2	In	115	621022.62	1.5	112.6	Pulse	0.1000	3
He	Sc	45	60395.30	2.1	108.2	Pulse	0.1000	3
He	Ge	72	94267.57	0.1	105.5	Pulse	0.1000	3
He	In	115	81481.13	1.5	107.3	Pulse	0.1000	3
He	Tb	159	239416.57	0.4	108.9	Pulse	0.1000	3
He	Bi	209	145510.58	1.1	105.6	Pulse	0.1000	3

No Gas

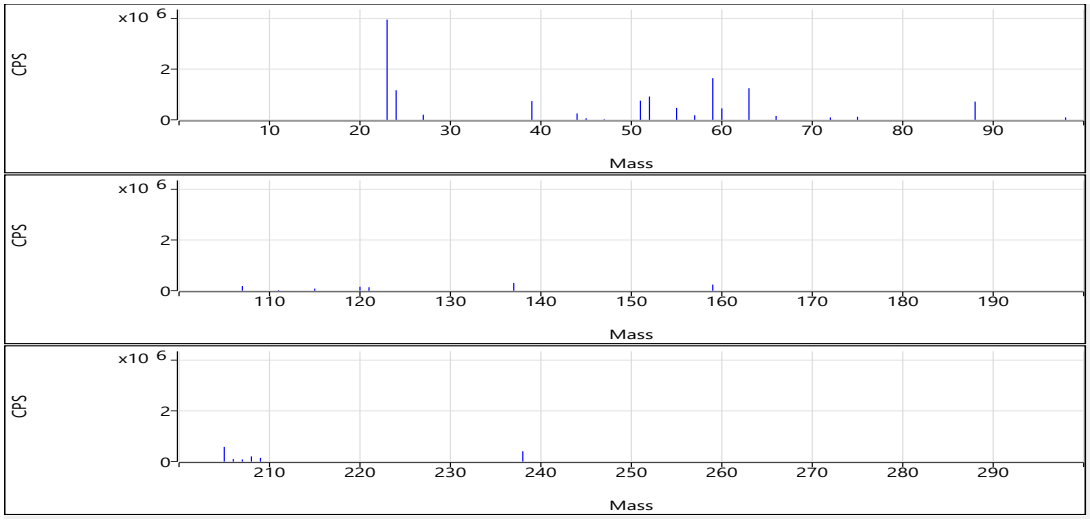


H2



Quantitation Report

He



Quantitation Report

Data File Name	189SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:22:26
Sample Name	410-235529-M-1-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

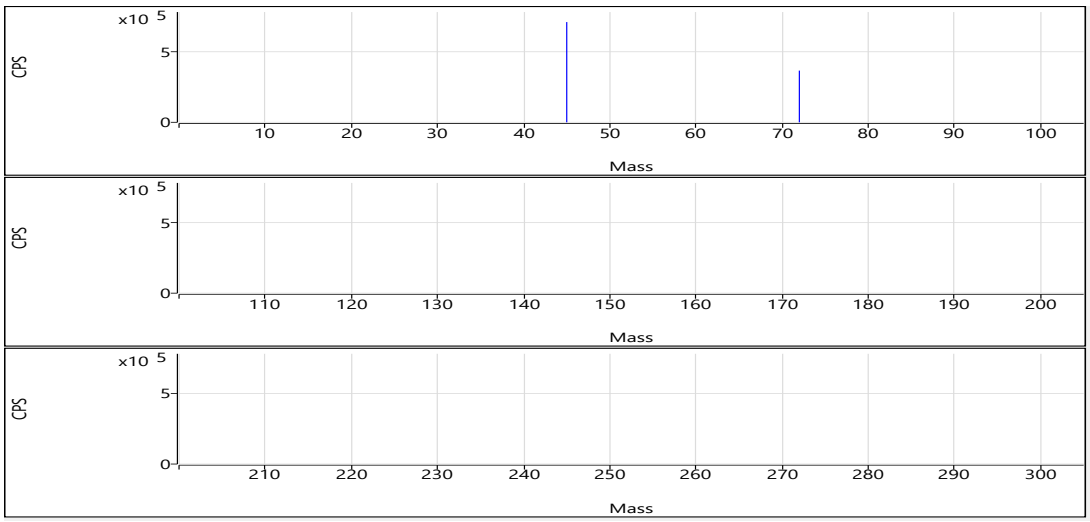
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.004	ppb	1209.9	25.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	1.097	ppb	4.2	253.12	0.0004	Pulse	1.5000	3
Na	23	45	He	11352.417	ppb	2.1	2618263.45	44.7290	Pulse	0.1000	3
Mg	24	45	He	5058.361	ppb	1.8	590117.02	10.0810	Pulse	0.1000	3
Al	27	45	He	15.417	ppb	7.4	786.72	0.0134	Pulse	0.1000	3
K	39	45	He	1358.622	ppb	3.1	177923.22	3.0395	Pulse	0.1000	3
Ca	44	45	He	36280.007	ppb	2.0	209904.77	3.5857	Pulse	0.1000	3
Ti	47	45	He	2.727	ppb	29.5	113.34	0.0019	Pulse	0.1000	3
V	51	45	He	0.791	ppb	3.8	2198.18	0.0375	Pulse	0.5000	3
Cr	52	72	He	0.647	ppb	9.2	3237.15	0.0353	Pulse	0.1000	3
Mn	55	45	He	271.373	ppb	3.1	247887.66	4.2353	Pulse	0.1000	3
Fe	57	45	He	65.598	ppb	0.9	2660.35	0.0454	Pulse	0.1000	3
Co	59	72	He	0.653	ppb	13.5	2330.28	0.0254	Pulse	0.1000	3
Ni	60	115	He	0.908	ppb	22.9	1973.54	0.0253	Pulse	0.1000	3
Cu	63	115	He	5.457	ppb	2.2	13953.81	0.1786	Pulse	0.1000	3
Zn	66	72	He	5.222	ppb	6.3	1640.14	0.0179	Pulse	0.1000	3
As	75	72	He	3.342	ppb	3.4	830.03	0.0090	Pulse	0.5000	3
Sr	88	72	He	571.392	ppb	0.9	694759.63	7.5664	Pulse	0.1000	3
Mo	98	72	He	2.635	ppb	6.4	5024.39	0.0547	Pulse	0.1000	3
Ag	107	115	He	0.050	ppb	29.8	216.68	0.0028	Pulse	0.1000	3
Cd	111	115	He	0.080	ppb	35.3	38.67	0.0005	Pulse	0.5000	3
Sn	120	115	He	0.513	ppb	39.0	5204.47	0.0666	Pulse	0.1000	3
Sb	121	115	He	0.305	ppb	19.8	430.02	0.0055	Pulse	0.1000	3
Ba	137	115	He	192.109	ppb	3.2	93583.63	1.1976	Pulse	0.1000	3
Tl	205	209	He	0.312	ppb	9.4	1860.19	0.0132	Pulse	0.1000	3
Pb	208	209	He	0.271	ppb	7.3	2366.84	0.0168	Pulse	0.1000	3
U	238	209	He	3.709	ppb	0.8	27563.43	0.1951	Pulse	0.1000	3

ISTD Table:

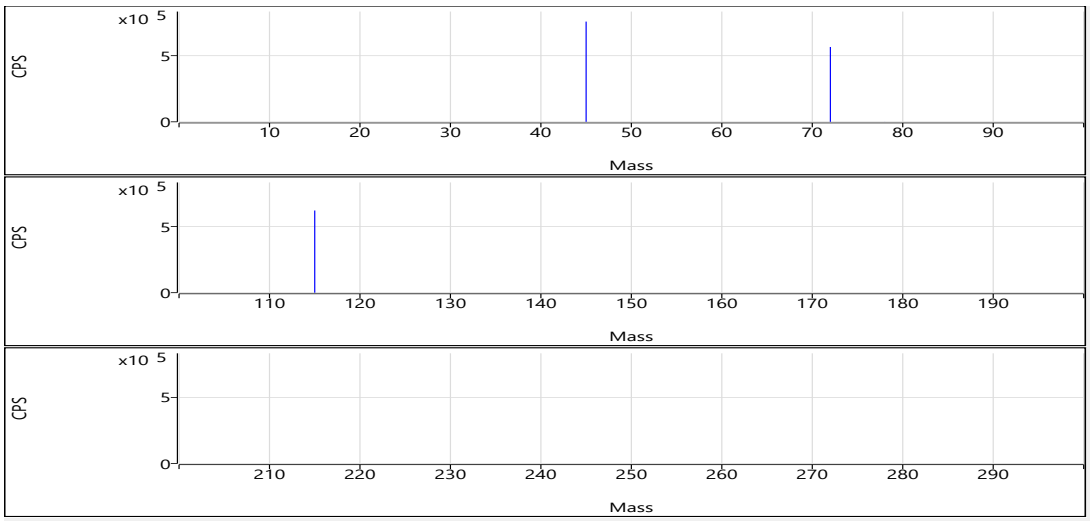
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	713496.81	1.3	104.4	Pulse	0.1000	3
No Gas	Ge	72	367957.20	1.1	101.7	Pulse	0.1000	3
H2	Sc	45	756014.78	0.5	97.7	Pulse	0.1000	3
H2	Ge	72	564440.64	0.6	103.8	Pulse	0.1000	3
H2	In	115	619942.56	2.0	112.4	Pulse	0.1000	3
He	Sc	45	58544.63	1.3	104.9	Pulse	0.1000	3
He	Ge	72	91826.73	1.2	102.8	Pulse	0.1000	3
He	In	115	78144.81	0.5	102.9	Pulse	0.1000	3
He	Tb	159	226840.44	2.0	103.2	Pulse	0.1000	3
He	Bi	209	141295.17	1.4	102.6	Pulse	0.1000	3

No Gas

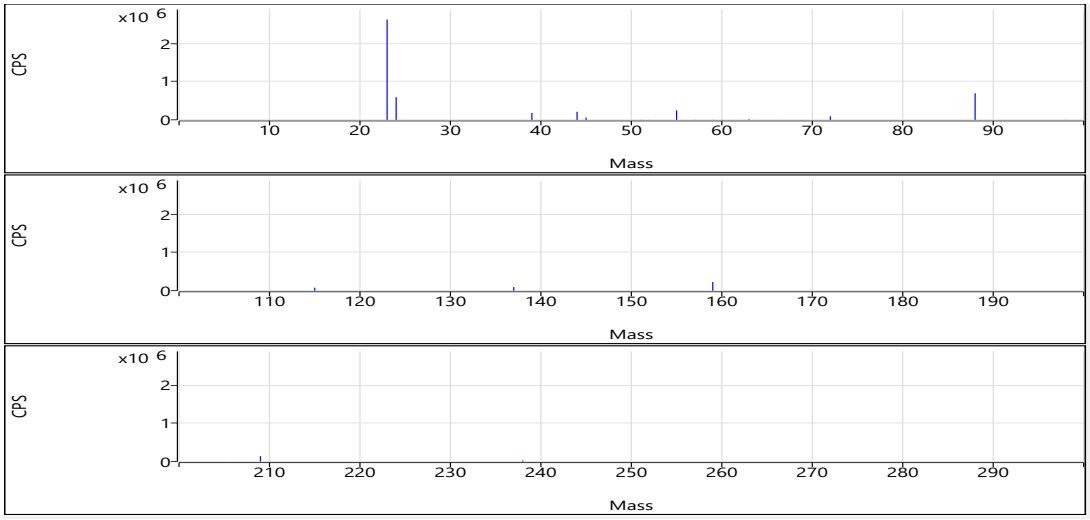


H2



Quantitation Report

He



Quantitation Report

Data File Name	190SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:24:32
Sample Name	410-235531-M-1-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

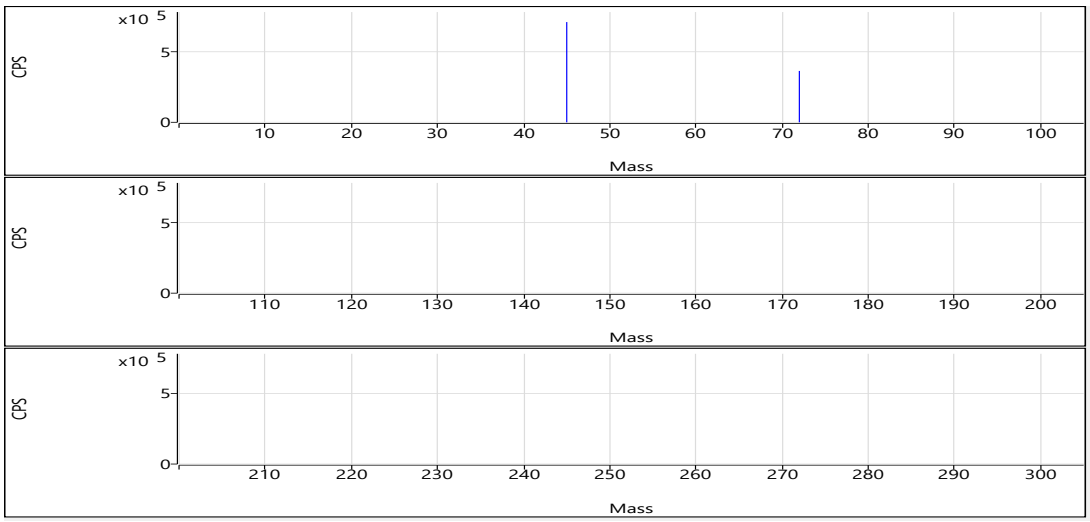
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.029	ppb	N/A	18.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.326	ppb	9.0	79.33	0.0001	Pulse	1.5000	3
Na	23	45	He	11706.814	ppb	3.3	2685289.86	46.1170	Pulse	0.1000	3
Mg	24	45	He	5218.152	ppb	3.3	605519.03	10.3991	Pulse	0.1000	3
Al	27	45	He	11.664	ppb	29.0	626.70	0.0108	Pulse	0.1000	3
K	39	45	He	1226.157	ppb	2.8	162674.20	2.7930	Pulse	0.1000	3
Ca	44	45	He	35191.757	ppb	3.5	202527.93	3.4783	Pulse	0.1000	3
Ti	47	45	He	1.491	ppb	7.8	63.33	0.0011	Pulse	0.1000	3
V	51	45	He	0.160	ppb	25.7	1222.06	0.0210	Pulse	0.5000	3
Cr	52	72	He	0.007	ppb	1705.0	2040.21	0.0225	Pulse	0.1000	3
Mn	55	45	He	335.894	ppb	3.2	305184.42	5.2412	Pulse	0.1000	3
Fe	57	45	He	238.819	ppb	8.1	8963.11	0.1541	Pulse	0.1000	3
Co	59	72	He	0.250	ppb	5.7	996.74	0.0110	Pulse	0.1000	3
Ni	60	115	He	0.080	ppb	154.2	1256.77	0.0156	Pulse	0.1000	3
Cu	63	115	He	0.934	ppb	11.5	2673.68	0.0332	Pulse	0.1000	3
Zn	66	72	He	1.758	ppb	8.4	606.70	0.0067	Pulse	0.1000	3
As	75	72	He	5.065	ppb	7.2	1212.72	0.0134	Pulse	0.5000	3
Sr	88	72	He	419.592	ppb	1.2	504550.93	5.5572	Pulse	0.1000	3
Mo	98	72	He	2.710	ppb	2.7	5107.79	0.0563	Pulse	0.1000	3
Ag	107	115	He	0.010	ppb	91.5	73.34	0.0009	Pulse	0.1000	3
Cd	111	115	He	0.021	ppb	89.2	12.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.075	ppb	N/A	4450.87	0.0553	Pulse	0.1000	3
Sb	121	115	He	0.142	ppb	34.8	220.01	0.0027	Pulse	0.1000	3
Ba	137	115	He	168.708	ppb	0.7	84617.00	1.0518	Pulse	0.1000	3
Tl	205	209	He	0.054	ppb	16.1	383.36	0.0027	Pulse	0.1000	3
Pb	208	209	He	0.067	ppb	17.4	813.38	0.0057	Pulse	0.1000	3
U	238	209	He	2.817	ppb	1.1	21027.77	0.1484	Pulse	0.1000	3

ISTD Table:

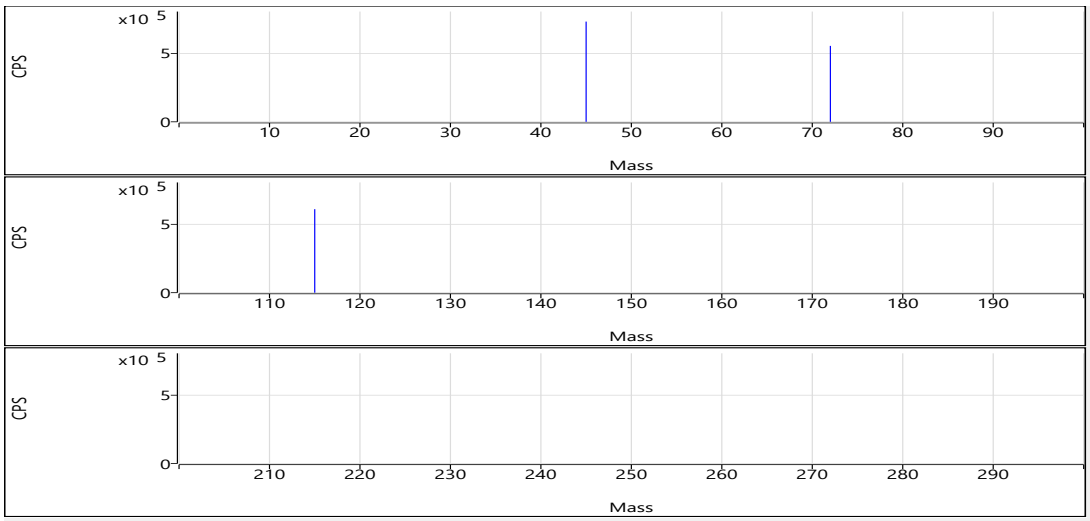
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	707597.83	0.4	103.5	Pulse	0.1000	3
No Gas	Ge	72	362615.22	1.0	100.3	Pulse	0.1000	3
H2	Sc	45	732298.69	0.6	94.7	Pulse	0.1000	3
H2	Ge	72	554746.02	1.5	102.0	Pulse	0.1000	3
H2	In	115	610094.09	1.3	110.6	Pulse	0.1000	3
He	Sc	45	58266.29	3.1	104.4	Pulse	0.1000	3
He	Ge	72	90795.56	0.8	101.7	Pulse	0.1000	3
He	In	115	80443.44	0.7	105.9	Pulse	0.1000	3
He	Tb	159	227314.36	0.6	103.4	Pulse	0.1000	3
He	Bi	209	141722.17	1.0	102.9	Pulse	0.1000	3

No Gas

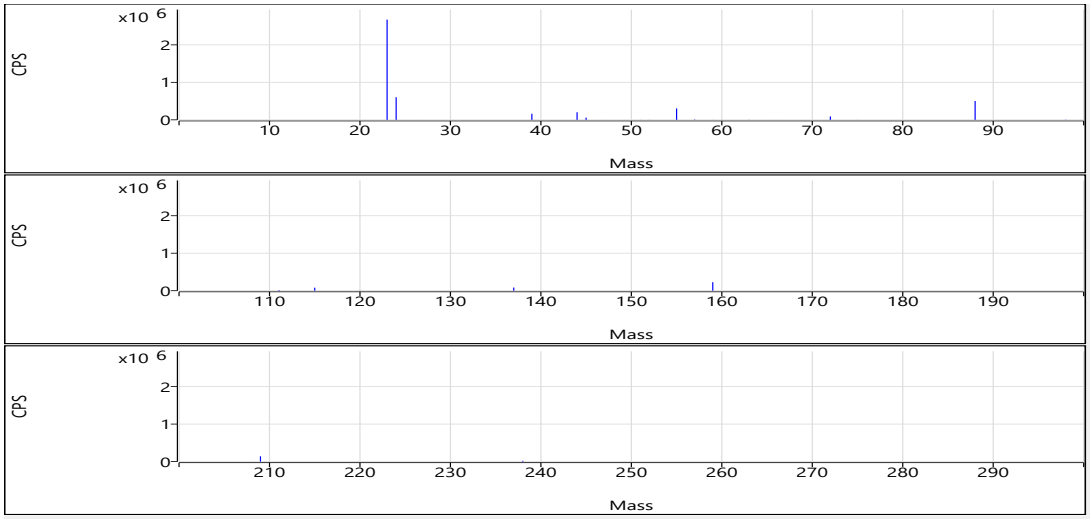


H2



Quantitation Report

He



Quantitation Report

Data File Name	191SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:26:38
Sample Name	410-235530-M-1-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

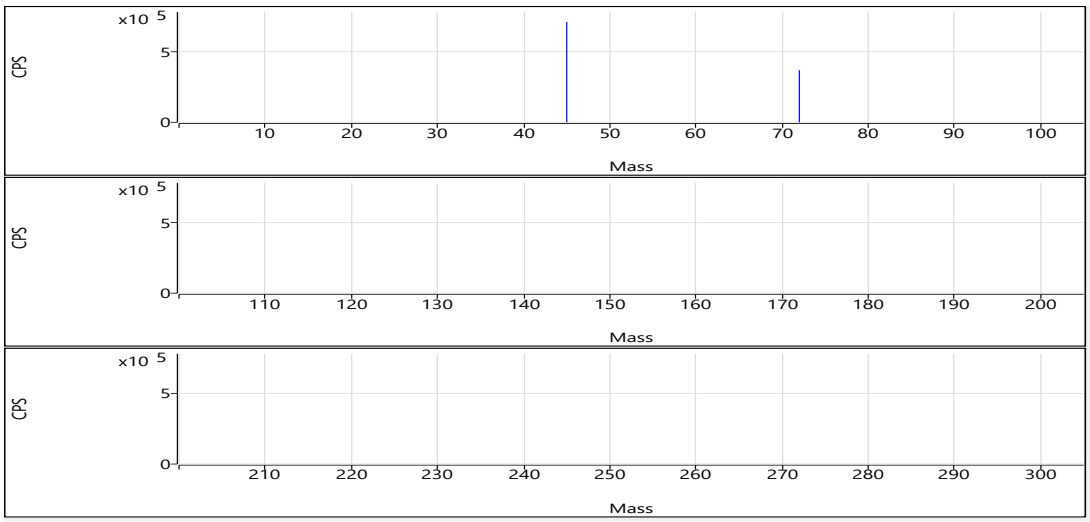
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.022	ppb	N/A	19.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.207	ppb	5.5	54.89	0.0001	Pulse	1.5000	3
Na	23	45	He	12762.965	ppb	1.3	2990351.21	50.2534	Pulse	0.1000	3
Mg	24	45	He	5388.310	ppb	1.5	638975.80	10.7379	Pulse	0.1000	3
Al	27	45	He	3.285	ppb	9.7	293.34	0.0049	Pulse	0.1000	3
K	39	45	He	1231.653	ppb	1.1	166815.28	2.8032	Pulse	0.1000	3
Ca	44	45	He	37674.057	ppb	1.8	221554.81	3.7233	Pulse	0.1000	3
Ti	47	45	He	1.378	ppb	53.3	60.00	0.0010	Pulse	0.1000	3
V	51	45	He	0.115	ppb	31.7	1180.06	0.0198	Pulse	0.5000	3
Cr	52	72	He	0.093	ppb	88.9	2280.27	0.0242	Pulse	0.1000	3
Mn	55	45	He	22.396	ppb	2.2	21045.84	0.3537	Pulse	0.1000	3
Fe	57	45	He	41.456	ppb	7.1	1803.51	0.0303	Pulse	0.1000	3
Co	59	72	He	0.163	ppb	18.0	740.05	0.0079	Pulse	0.1000	3
Ni	60	115	He	0.027	ppb	340.6	1246.77	0.0150	Pulse	0.1000	3
Cu	63	115	He	1.553	ppb	3.9	4410.84	0.0531	Pulse	0.1000	3
Zn	66	72	He	2.341	ppb	9.3	806.72	0.0086	Pulse	0.1000	3
As	75	72	He	5.319	ppb	0.6	1318.74	0.0140	Pulse	0.5000	3
Sr	88	72	He	393.227	ppb	0.5	490720.38	5.2082	Pulse	0.1000	3
Mo	98	72	He	3.075	ppb	6.4	6004.81	0.0638	Pulse	0.1000	3
Ag	107	115	He	0.016	ppb	46.9	96.67	0.0012	Pulse	0.1000	3
Cd	111	115	He	0.013	ppb	36.4	8.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.180	ppb	N/A	4424.19	0.0533	Pulse	0.1000	3
Sb	121	115	He	0.100	ppb	14.1	166.68	0.0020	Pulse	0.1000	3
Ba	137	115	He	83.441	ppb	0.5	43232.13	0.5209	Pulse	0.1000	3
Tl	205	209	He	0.037	ppb	25.3	296.68	0.0020	Pulse	0.1000	3
Pb	208	209	He	0.075	ppb	19.2	906.71	0.0062	Pulse	0.1000	3
U	238	209	He	3.965	ppb	2.1	30654.18	0.2085	Pulse	0.1000	3

ISTD Table:

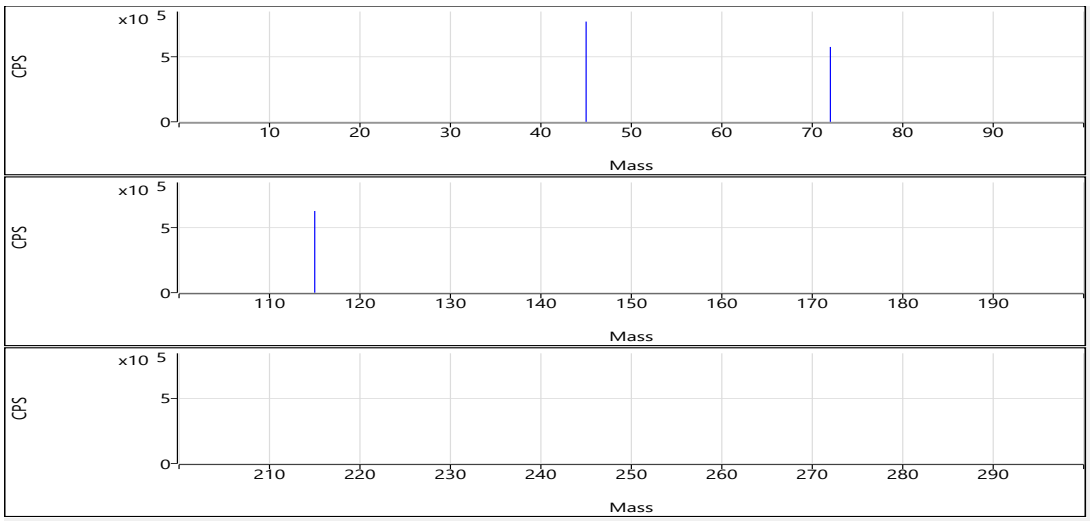
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	705387.65	0.4	103.2	Pulse	0.1000	3
No Gas	Ge	72	366917.93	1.2	101.4	Pulse	0.1000	3
H2	Sc	45	766911.26	0.5	99.1	Pulse	0.1000	3
H2	Ge	72	572870.33	0.9	105.3	Pulse	0.1000	3
H2	In	115	625159.43	1.3	113.3	Pulse	0.1000	3
He	Sc	45	59508.23	0.6	106.6	Pulse	0.1000	3
He	Ge	72	94218.78	0.8	105.5	Pulse	0.1000	3
He	In	115	83002.29	0.6	109.3	Pulse	0.1000	3
He	Tb	159	238647.16	0.2	108.6	Pulse	0.1000	3
He	Bi	209	146996.65	0.7	106.7	Pulse	0.1000	3

No Gas

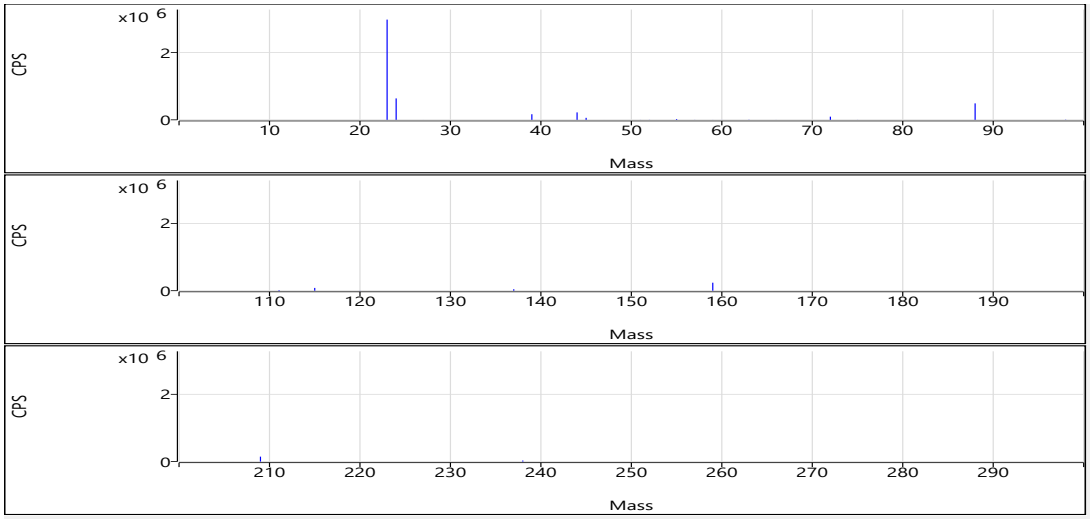


H2



Quantitation Report

He



Quantitation Report

Data File Name	192SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:28:44
Sample Name	410-235530-H-1-A DU
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

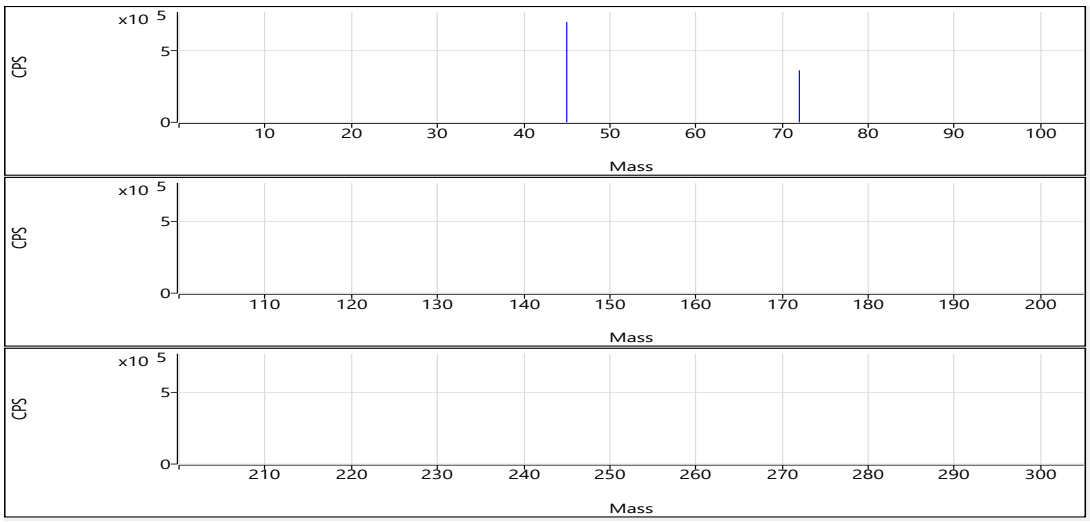
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.016	ppb	N/A	20.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.143	ppb	13.1	40.00	0.0001	Pulse	1.5000	3
Na	23	45	He	12846.438	ppb	0.5	2985257.14	50.5804	Pulse	0.1000	3
Mg	24	45	He	5439.759	ppb	1.0	639800.62	10.8403	Pulse	0.1000	3
Al	27	45	He	3.431	ppb	31.3	296.68	0.0050	Pulse	0.1000	3
K	39	45	He	1252.137	ppb	2.6	167682.61	2.8414	Pulse	0.1000	3
Ca	44	45	He	38267.604	ppb	0.4	223212.80	3.7819	Pulse	0.1000	3
Ti	47	45	He	0.973	ppb	72.0	43.33	0.0007	Pulse	0.1000	3
V	51	45	He	0.105	ppb	28.4	1154.06	0.0195	Pulse	0.5000	3
Cr	52	72	He	0.089	ppb	96.6	2240.25	0.0241	Pulse	0.1000	3
Mn	55	45	He	21.472	ppb	2.2	20020.99	0.3393	Pulse	0.1000	3
Fe	57	45	He	40.272	ppb	7.4	1743.50	0.0296	Pulse	0.1000	3
Co	59	72	He	0.142	ppb	6.6	663.38	0.0071	Pulse	0.1000	3
Ni	60	115	He	-0.059	ppb	N/A	1156.75	0.0140	Pulse	0.1000	3
Cu	63	115	He	1.735	ppb	4.9	4867.64	0.0590	Pulse	0.1000	3
Zn	66	72	He	2.588	ppb	2.1	870.06	0.0094	Pulse	0.1000	3
As	75	72	He	5.191	ppb	4.5	1270.73	0.0137	Pulse	0.5000	3
Sr	88	72	He	399.545	ppb	2.0	491800.69	5.2918	Pulse	0.1000	3
Mo	98	72	He	3.135	ppb	7.4	6038.18	0.0650	Pulse	0.1000	3
Ag	107	115	He	0.013	ppb	75.0	86.67	0.0011	Pulse	0.1000	3
Cd	111	115	He	0.011	ppb	22.1	7.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	0.148	ppb	7.8	4917.73	0.0596	Pulse	0.1000	3
Sb	121	115	He	0.067	ppb	28.4	120.01	0.0015	Pulse	0.1000	3
Ba	137	115	He	83.709	ppb	2.2	43111.54	0.5225	Pulse	0.1000	3
Tl	205	209	He	0.034	ppb	9.6	276.68	0.0019	Pulse	0.1000	3
Pb	208	209	He	0.078	ppb	13.8	930.05	0.0063	Pulse	0.1000	3
U	238	209	He	4.021	ppb	3.1	30998.02	0.2115	Pulse	0.1000	3

ISTD Table:

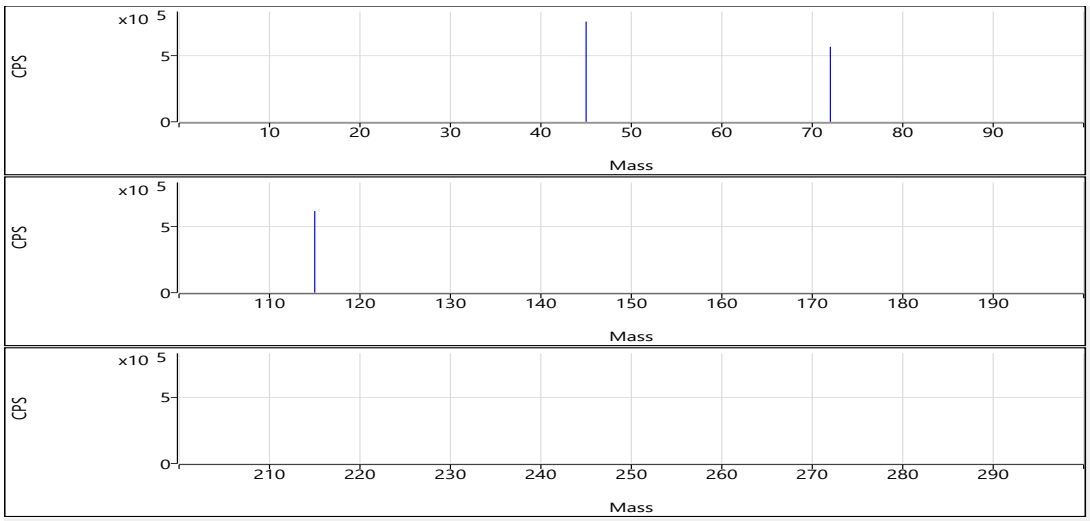
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	704010.54	0.9	103.0	Pulse	0.1000	3
No Gas	Ge	72	364946.65	0.8	100.9	Pulse	0.1000	3
H2	Sc	45	755873.48	1.9	97.7	Pulse	0.1000	3
H2	Ge	72	565776.02	2.4	104.0	Pulse	0.1000	3
H2	In	115	615777.14	2.9	111.6	Pulse	0.1000	3
He	Sc	45	59022.81	1.6	105.7	Pulse	0.1000	3
He	Ge	72	92952.32	1.4	104.1	Pulse	0.1000	3
He	In	115	82508.54	0.3	108.7	Pulse	0.1000	3
He	Tb	159	235476.23	1.3	107.1	Pulse	0.1000	3
He	Bi	209	146594.82	0.5	106.4	Pulse	0.1000	3

No Gas

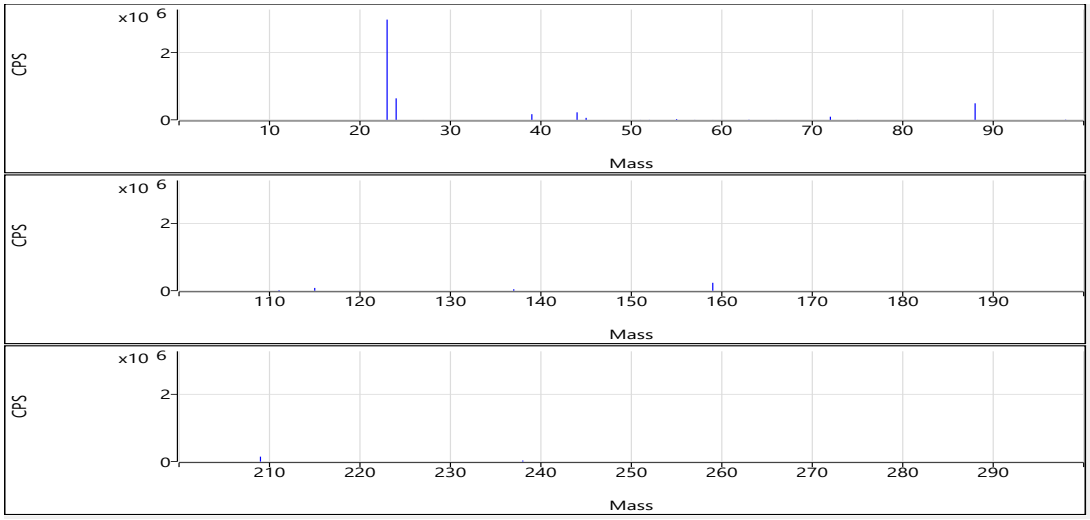


H2



Quantitation Report

He



Quantitation Report

Data File Name	193SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:30:49
Sample Name	410-235530-H-1-B MS
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

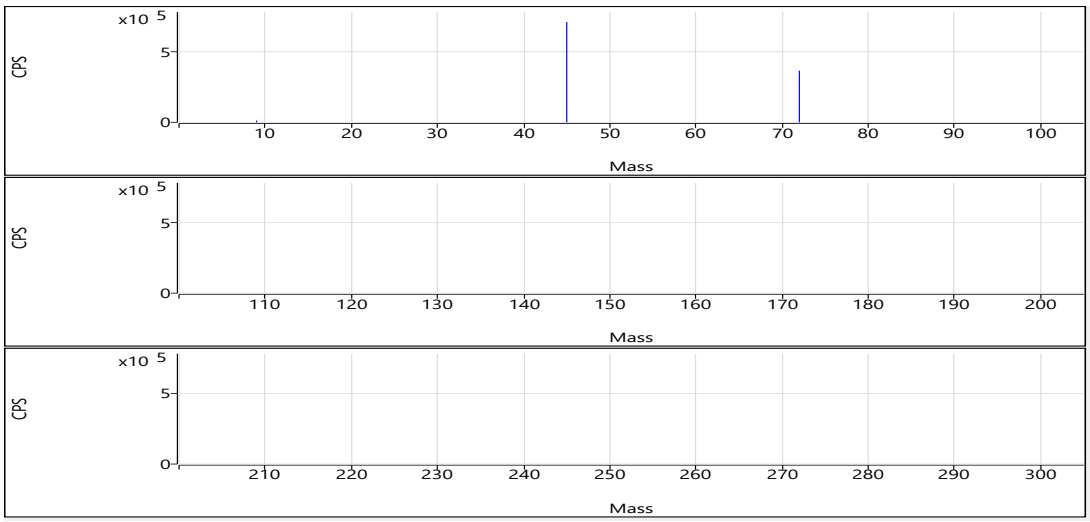
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	55.922	ppb	1.1	11965.49	0.0168	Pulse	0.5000	3
Se	78	72	H2	95.938	ppb	0.7	21139.88	0.0380	Pulse	1.5000	3
Na	23	45	He	17204.147	ppb	2.1	4004407.75	67.6474	Pulse	0.1000	3
Mg	24	45	He	9857.026	ppb	2.6	1162163.42	19.6342	Pulse	0.1000	3
Al	27	45	He	4634.779	ppb	2.7	192380.29	3.2503	Pulse	0.1000	3
K	39	45	He	6036.179	ppb	2.3	695120.38	11.7430	Pulse	0.1000	3
Ca	44	45	He	41922.014	ppb	2.0	245226.21	4.1426	Pulse	0.1000	3
Ti	47	45	He	484.823	ppb	1.7	19767.38	0.3339	Pulse	0.1000	3
V	51	45	He	466.772	ppb	1.9	725325.06	12.2528	Pulse	0.5000	3
Cr	52	72	He	483.307	ppb	2.3	886468.27	9.6797	Pulse	0.1000	3
Mn	55	45	He	487.503	ppb	2.1	450166.66	7.6048	Pulse	0.1000	3
Fe	57	45	He	4709.323	ppb	1.4	175108.05	2.9577	Pulse	0.1000	3
Co	59	72	He	483.407	ppb	0.8	1582719.40	17.2790	Pulse	0.1000	3
Ni	60	115	He	466.607	ppb	1.5	432527.88	5.4416	Pulse	0.1000	3
Cu	63	115	He	468.834	ppb	1.5	1197322.41	15.0636	Pulse	0.1000	3
Zn	66	72	He	493.028	ppb	1.7	145886.11	1.5929	Pulse	0.1000	3
As	75	72	He	506.967	ppb	1.0	116509.03	1.2720	Pulse	0.5000	3
Sr	88	72	He	448.015	ppb	1.4	543433.03	5.9334	Pulse	0.1000	3
Mo	98	72	He	49.990	ppb	1.7	94095.57	1.0274	Pulse	0.1000	3
Ag	107	115	He	47.747	ppb	1.9	175931.76	2.2135	Pulse	0.1000	3
Cd	111	115	He	47.772	ppb	1.1	22181.51	0.2791	Pulse	0.5000	3
Sn	120	115	He	94.546	ppb	0.7	148402.89	1.8670	Pulse	0.1000	3
Sb	121	115	He	93.262	ppb	0.7	126396.14	1.5901	Pulse	0.1000	3
Ba	137	115	He	564.266	ppb	1.4	279407.55	3.5152	Pulse	0.1000	3
Tl	205	209	He	98.886	ppb	0.3	565878.36	4.0117	Pulse	0.1000	3
Pb	208	209	He	48.234	ppb	1.3	367686.30	2.6068	Pulse	0.1000	3
U	238	209	He	51.742	ppb	1.3	382350.81	2.7107	Pulse	0.1000	3

ISTD Table:

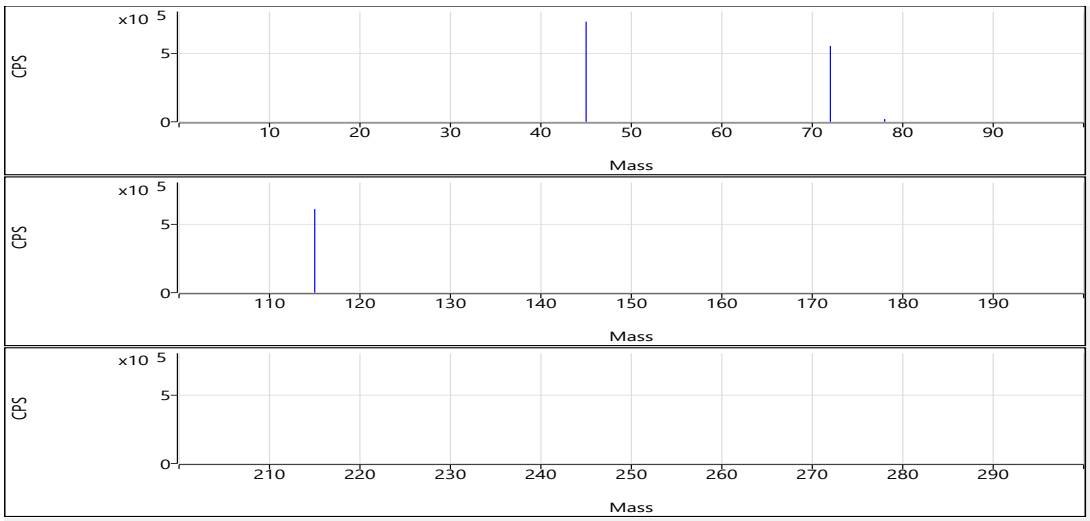
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	712881.68	0.5	104.3	Pulse	0.1000	3
No Gas	Ge	72	367078.09	0.6	101.5	Pulse	0.1000	3
H2	Sc	45	734127.96	0.8	94.9	Pulse	0.1000	3
H2	Ge	72	555968.21	0.7	102.2	Pulse	0.1000	3
H2	In	115	612309.03	0.9	111.0	Pulse	0.1000	3
He	Sc	45	59213.84	2.3	106.1	Pulse	0.1000	3
He	Ge	72	91604.17	1.8	102.6	Pulse	0.1000	3
He	In	115	79491.89	1.0	104.7	Pulse	0.1000	3
He	Tb	159	230249.79	0.6	104.8	Pulse	0.1000	3
He	Bi	209	141059.23	0.7	102.4	Pulse	0.1000	3

No Gas

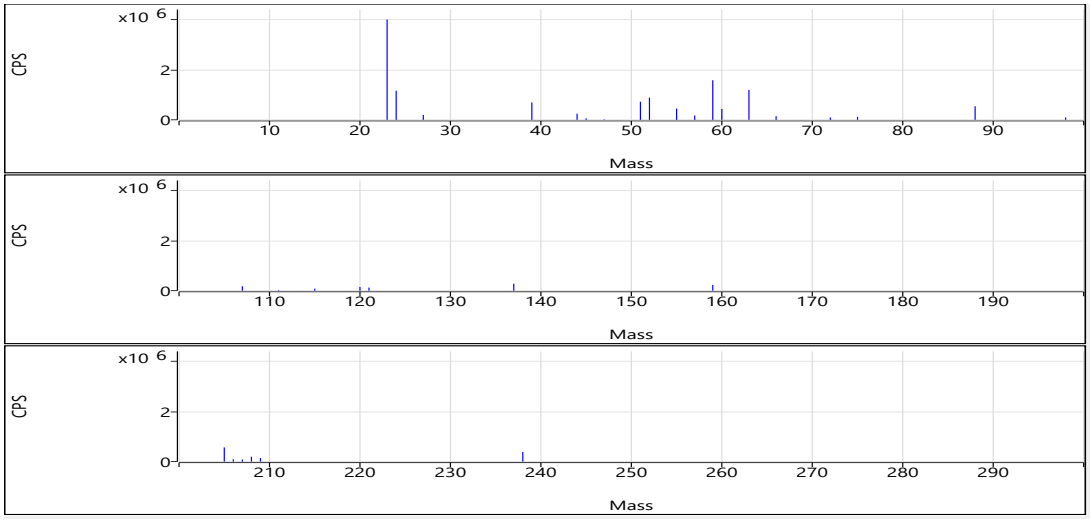


H2



Quantitation Report

He



Quantitation Report

Data File Name	195_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:35:01
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

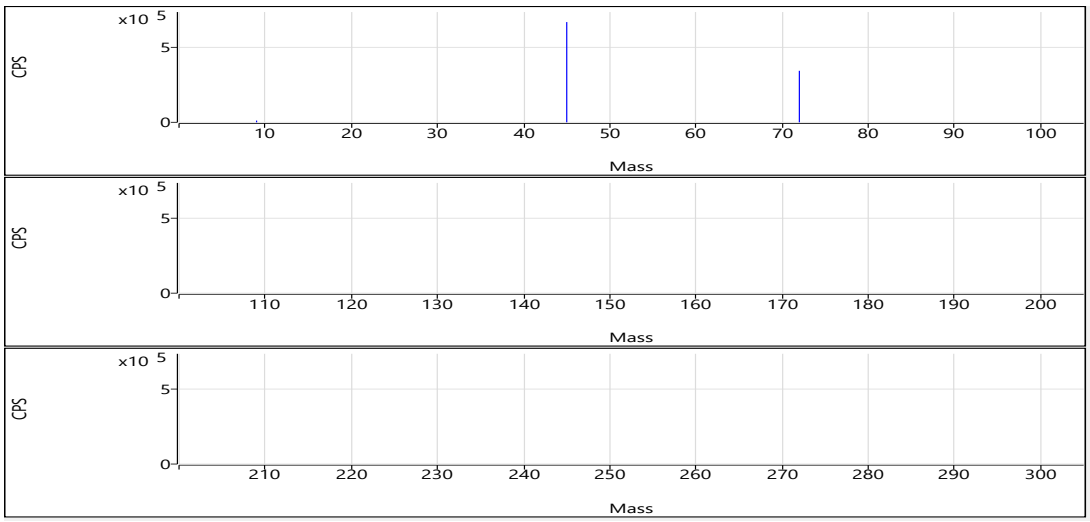
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	56.806	ppb	1.3	11466.43	0.0170	Pulse	0.5000	3
Se	78	72	H2	52.665	ppb	0.2	10968.62	0.0209	Pulse	1.5000	3
Na	23	45	He	5525.008	ppb	2.1	1189241.49	21.9058	Pulse	0.1000	3
Mg	24	45	He	5060.350	ppb	1.7	547529.30	10.0850	Pulse	0.1000	3
Al	27	45	He	5096.540	ppb	2.5	194011.95	3.5738	Pulse	0.1000	3
K	39	45	He	5183.079	ppb	1.5	551366.10	10.1556	Pulse	0.1000	3
Ca	44	45	He	5208.927	ppb	0.6	28161.16	0.5187	Pulse	0.1000	3
Ti	47	45	He	5125.679	ppb	1.0	191620.65	3.5293	Pulse	0.1000	3
V	51	45	He	512.504	ppb	1.2	730323.11	13.4516	Pulse	0.5000	3
Cr	52	72	He	518.500	ppb	0.7	892279.49	10.3830	Pulse	0.1000	3
Mn	55	45	He	518.525	ppb	1.5	439130.82	8.0884	Pulse	0.1000	3
Fe	57	45	He	5057.613	ppb	1.5	172436.56	3.1761	Pulse	0.1000	3
Co	59	72	He	522.178	ppb	1.2	1603914.40	18.6646	Pulse	0.1000	3
Ni	60	115	He	496.715	ppb	2.2	437265.76	5.7918	Pulse	0.1000	3
Cu	63	115	He	498.139	ppb	1.8	1208354.88	16.0049	Pulse	0.1000	3
Zn	66	72	He	518.173	ppb	0.6	143867.25	1.6741	Pulse	0.1000	3
As	75	72	He	525.052	ppb	0.5	113211.20	1.3174	Pulse	0.5000	3
Sr	88	72	He	52.601	ppb	0.8	60120.92	0.6996	Pulse	0.1000	3
Mo	98	72	He	52.727	ppb	0.5	93123.11	1.0836	Pulse	0.1000	3
Ag	107	115	He	49.677	ppb	0.2	173901.84	2.3029	Pulse	0.1000	3
Cd	111	115	He	50.331	ppb	1.5	22198.23	0.2940	Pulse	0.5000	3
Sn	120	115	He	50.472	ppb	0.7	77254.69	1.0231	Pulse	0.1000	3
Sb	121	115	He	51.883	ppb	1.4	66800.31	0.8847	Pulse	0.1000	3
Ba	137	115	He	511.089	ppb	0.6	240422.40	3.1840	Pulse	0.1000	3
Tl	205	209	He	51.100	ppb	1.5	282318.54	2.0733	Pulse	0.1000	3
Pb	208	209	He	50.533	ppb	2.1	371828.52	2.7309	Pulse	0.1000	3
U	238	209	He	50.294	ppb	2.2	358751.60	2.6349	Pulse	0.1000	3

ISTD Table:

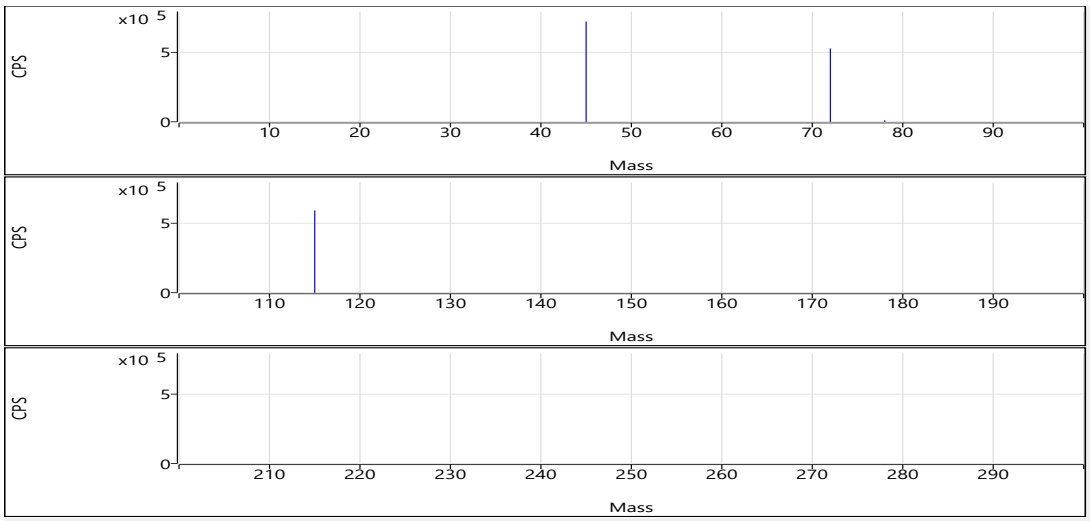
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	672622.62	1.2	98.4	Pulse	0.1000	3
No Gas	Ge	72	345630.09	0.8	95.6	Pulse	0.1000	3
H2	Sc	45	717382.49	1.3	92.7	Pulse	0.1000	3
H2	Ge	72	525348.33	0.6	96.6	Pulse	0.1000	3
H2	In	115	589145.41	0.5	106.8	Pulse	0.1000	3
He	Sc	45	54298.13	1.3	97.3	Pulse	0.1000	3
He	Ge	72	85939.64	0.9	96.2	Pulse	0.1000	3
He	In	115	75514.39	1.7	99.4	Pulse	0.1000	3
He	Tb	159	220116.87	0.4	100.1	Pulse	0.1000	3
He	Bi	209	136199.79	2.4	98.9	Pulse	0.1000	3

No Gas

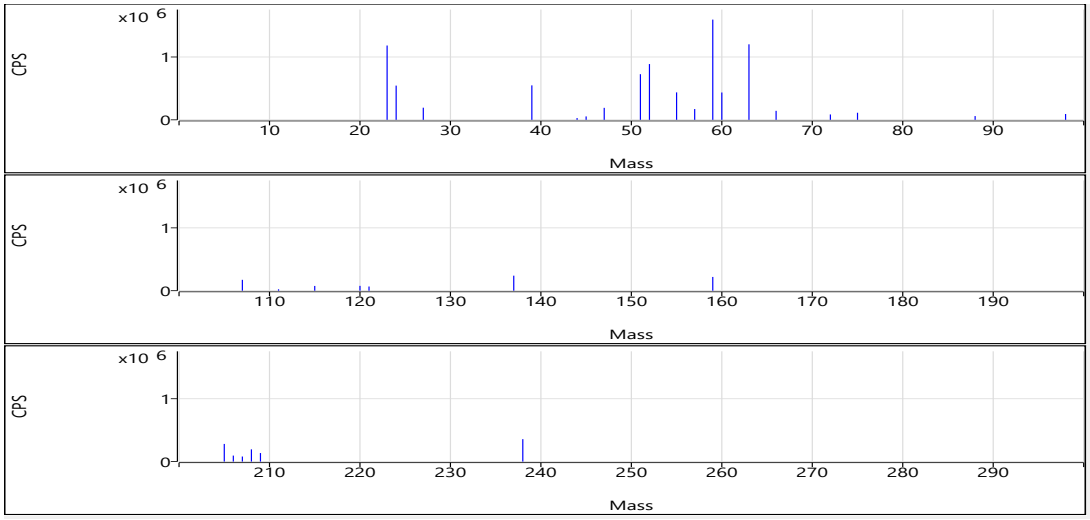


H2



Quantitation Report

He



Quantitation Report

Data File Name	202_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:49:45
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

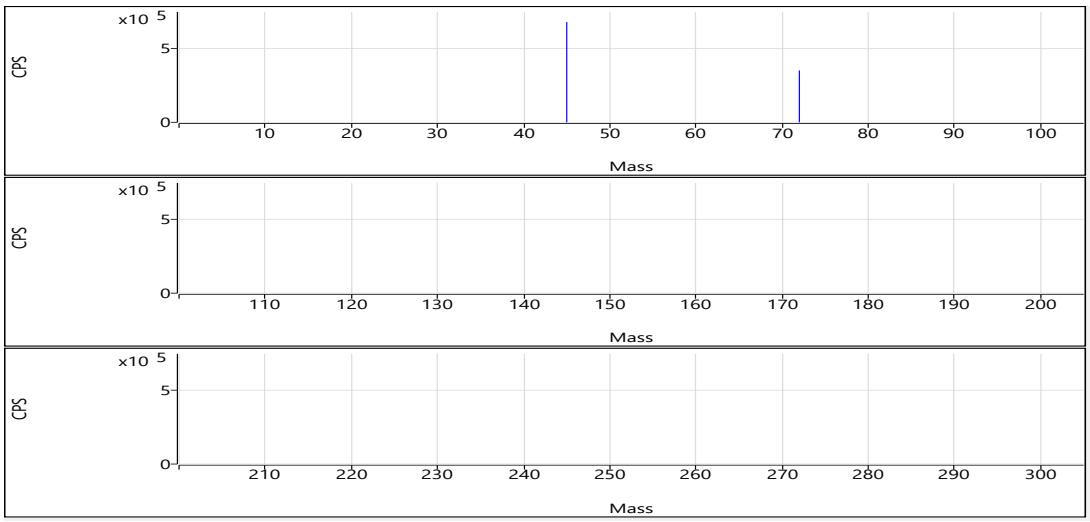
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.029	ppb	N/A	17.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.079	ppb	38.9	24.22	0.0000	Pulse	1.5000	3
Na	23	45	He	130.746	ppb	1.2	42584.84	0.7790	Pulse	0.1000	3
Mg	24	45	He	6.089	ppb	3.2	1253.43	0.0229	Pulse	0.1000	3
Al	27	45	He	1.022	ppb	249.1	183.34	0.0033	Pulse	0.1000	3
K	39	45	He	25.316	ppb	63.7	30552.49	0.5586	Pulse	0.1000	3
Ca	44	45	He	29.411	ppb	43.7	403.36	0.0074	Pulse	0.1000	3
Ti	47	45	He	0.885	ppb	68.9	36.67	0.0007	Pulse	0.1000	3
V	51	45	He	0.282	ppb	5.3	1323.40	0.0242	Pulse	0.5000	3
Cr	52	72	He	0.032	ppb	57.6	2003.55	0.0230	Pulse	0.1000	3
Mn	55	45	He	0.244	ppb	15.0	456.69	0.0083	Pulse	0.1000	3
Fe	57	45	He	1.112	ppb	174.6	273.35	0.0050	Pulse	0.1000	3
Co	59	72	He	0.168	ppb	25.4	700.04	0.0080	Pulse	0.1000	3
Ni	60	115	He	0.067	ppb	133.6	1180.09	0.0155	Pulse	0.1000	3
Cu	63	115	He	0.189	ppb	10.7	710.04	0.0093	Pulse	0.1000	3
Zn	66	72	He	0.080	ppb	86.6	110.00	0.0013	Pulse	0.1000	3
As	75	72	He	0.326	ppb	21.5	128.67	0.0015	Pulse	0.5000	3
Sr	88	72	He	0.212	ppb	5.9	533.36	0.0061	Pulse	0.1000	3
Mo	98	72	He	0.027	ppb	58.6	100.00	0.0012	Pulse	0.1000	3
Ag	107	115	He	0.018	ppb	25.8	96.67	0.0013	Pulse	0.1000	3
Cd	111	115	He	0.010	ppb	26.5	6.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	0.016	ppb	389.7	4354.18	0.0571	Pulse	0.1000	3
Sb	121	115	He	0.054	ppb	48.7	93.33	0.0012	Pulse	0.1000	3
Ba	137	115	He	0.237	ppb	24.8	206.68	0.0027	Pulse	0.1000	3
Tl	205	209	He	0.036	ppb	31.9	273.35	0.0020	Pulse	0.1000	3
Pb	208	209	He	0.005	ppb	142.1	333.34	0.0024	Pulse	0.1000	3
U	238	209	He	0.018	ppb	11.5	246.68	0.0018	Pulse	0.1000	3

ISTD Table:

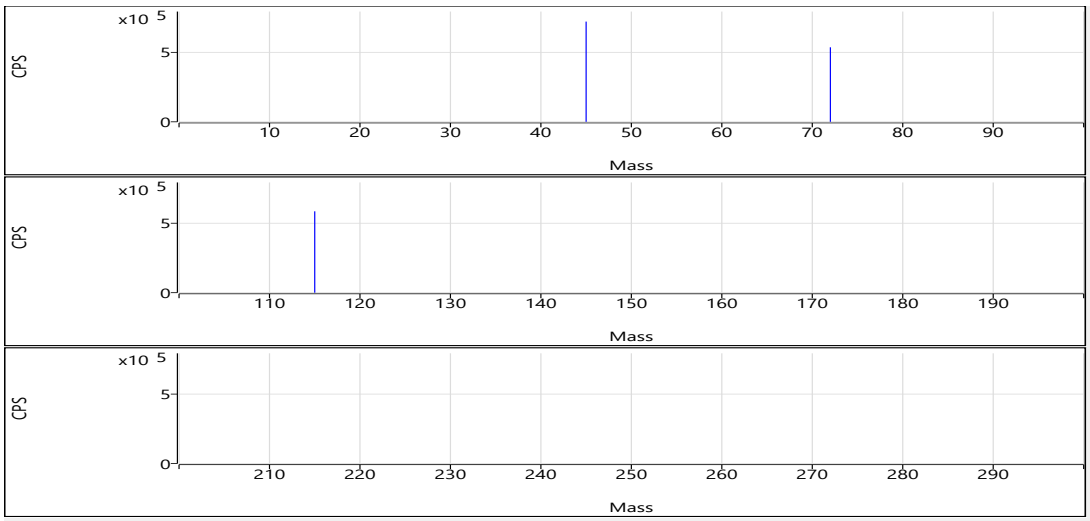
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	680743.25	1.0	99.6	Pulse	0.1000	3
No Gas	Ge	72	352115.32	1.0	97.3	Pulse	0.1000	3
H2	Sc	45	722067.41	0.6	93.3	Pulse	0.1000	3
H2	Ge	72	536892.36	0.4	98.7	Pulse	0.1000	3
H2	In	115	586305.16	0.9	106.3	Pulse	0.1000	3
He	Sc	45	54665.94	1.4	97.9	Pulse	0.1000	3
He	Ge	72	87200.15	2.3	97.6	Pulse	0.1000	3
He	In	115	76287.77	1.4	100.5	Pulse	0.1000	3
He	Tb	159	218981.60	0.7	99.6	Pulse	0.1000	3
He	Bi	209	137728.29	0.8	100.0	Pulse	0.1000	3

No Gas

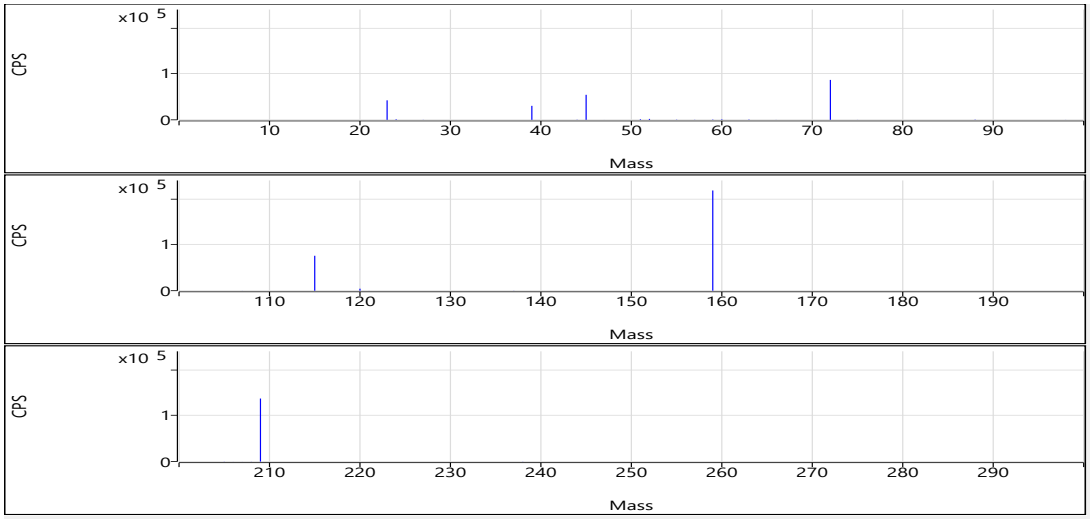


H2



Quantitation Report

He



US EPA Tune Check Report

Operator Name	us19_usr_ins21905
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq. Date-Time	2025-08-13 08:26:08
Report Comment	E07 Tune Report
Instrument Name	G8403A SG18254097

[No Gas]

Sensitivity

Mass	Conc. [ug/L]	Count	CPS	Resp (Required) [cps/(ug/L)]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	1372	13717.07			0.519	5.000
24	10.00	8748	87483.64			0.638	5.000
25	10.00	1245	12454.50			0.877	5.000
26	10.00	1469	14693.30			0.662	5.000
59	10.00	14194	141937.95			0.246	5.000
115	10.00	17802	178017.54			0.655	5.000
206	10.00	2628	26278.80			0.844	5.000
207	10.00	2150	21498.94			0.674	5.000
208	10.00	5240	52401.66			0.631	5.000

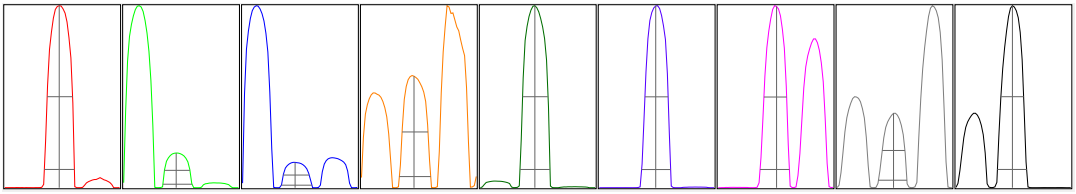
Mass	RSD% (Flag)
9	
24	
25	
26	
59	
115	
206	
207	
208	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	1381	1368	1369	1364	1377
24	8812	8789	8760	8687	8695
25	1257	1253	1248	1230	1239
26	1468	1460	1479	1480	1460
59	14215	14159	14237	14157	14200
115	17895	17780	17863	17608	17864
206	2595	2630	2621	2637	2656
207	2153	2156	2150	2164	2126
208	5197	5218	5282	5254	5251

Integration Time [sec] 0.1

Resolution/Axis

US EPA Tune Check Report



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	2212.34	8.95	8.90 - 9.10	
24	14071.87	23.90	23.90 - 24.10	
25	1961.06	24.90	24.90 - 25.10	
26	2309.06	25.90	25.90 - 26.10	
59	22891.04	58.95	58.90 - 59.10	
115	30982.90	115.00	114.90 - 115.10	
206	4692.55	206.05	205.90 - 206.10	
207	3851.06	207.00	206.90 - 207.10	
208	9416.84	208.00	207.90 - 208.10	

Mass	W-50%	W-10%	W-10% (Required)	W-10% (Flag)
9	0.65	0.773	0.900	
24	0.65	0.751	0.900	
25	0.67	0.786	0.900	
26	0.67	0.806	0.900	
59	0.65	0.772	0.900	
115	0.60	0.747	0.900	
206	0.58	0.754	0.900	
207	0.58	0.732	0.900	
208	0.58	0.751	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	235
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.90 L/min	Dilution Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.5 V	Deflect	15.5 V
Extract 2	-180.0 V	Cell Entrance	-40 V	Plate Bias	-50 V
Omega Bias	-110 V	Cell Exit	-30 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	3.5 V

US EPA Tune Check Report

He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	124	Axis Gain	0.9995	QP Bias	-4.5 V
Mass Offset	125	Axis Offset	0.05		

Hardware Settings

Torch

Torch H	0.9 mm	Torch V	-0.9 mm		

EM

Discriminator	3.7 mV	Analog HV	2202 V	Pulse HV	1146 V

Quantitation Report

Data File Name	203SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:51:51
Sample Name	410-235456-D-1-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

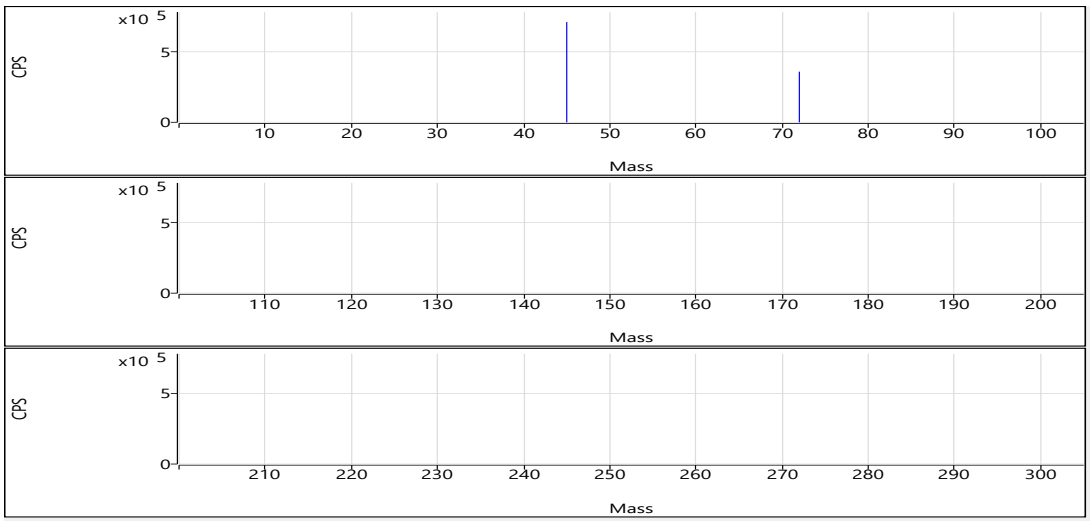
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.036	ppb	N/A	16.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.491	ppb	3.1	112.67	0.0002	Pulse	1.5000	3
Na	23	45	He	302961.180	ppb	1.7	68311462.32	1 186.8221	Analog	0.1000	3
Mg	24	45	He	29990.380	ppb	1.4	3437195.16	59.7157	Pulse	0.1000	3
Al	27	45	He	48.019	ppb	12.3	2086.89	0.0363	Pulse	0.1000	3
K	39	45	He	12120.594	ppb	2.2	1327515.86	23.0643	Pulse	0.1000	3
Ca	44	45	He	85663.079	ppb	1.9	486957.36	8.4603	Pulse	0.1000	3
Ti	47	45	He	1.760	ppb	35.2	73.33	0.0013	Pulse	0.1000	3
V	51	45	He	1.696	ppb	3.2	3525.79	0.0613	Pulse	0.5000	3
Cr	52	72	He	0.692	ppb	8.0	3217.13	0.0362	Pulse	0.1000	3
Mn	55	45	He	27.085	ppb	2.6	24564.72	0.4268	Pulse	0.1000	3
Fe	57	45	He	411.807	ppb	2.8	15111.69	0.2626	Pulse	0.1000	3
Co	59	72	He	0.235	ppb	24.8	930.06	0.0105	Pulse	0.1000	3
Ni	60	115	He	2.024	ppb	11.5	2997.07	0.0382	Pulse	0.1000	3
Cu	63	115	He	229.425	ppb	1.7	577965.68	7.3730	Pulse	0.1000	3
Zn	66	72	He	113.717	ppb	1.5	32738.05	0.3682	Pulse	0.1000	3
As	75	72	He	2.801	ppb	6.2	682.69	0.0077	Pulse	0.5000	3
Sr	88	72	He	1102.613	ppb	0.9	1298147.25	14.5979	Pulse	0.1000	3
Mo	98	72	He	8.467	ppb	1.5	15522.47	0.1745	Pulse	0.1000	3
Ag	107	115	He	0.034	ppb	24.8	156.68	0.0020	Pulse	0.1000	3
Cd	111	115	He	0.059	ppb	23.1	29.33	0.0004	Pulse	0.5000	3
Sn	120	115	He	-0.003	ppb	N/A	4444.20	0.0567	Pulse	0.1000	3
Sb	121	115	He	0.548	ppb	11.2	756.71	0.0096	Pulse	0.1000	3
Ba	137	115	He	225.301	ppb	1.1	110087.66	1.4043	Pulse	0.1000	3
Tl	205	209	He	0.026	ppb	45.7	220.01	0.0016	Pulse	0.1000	3
Pb	208	209	He	1.681	ppb	0.8	12956.35	0.0929	Pulse	0.1000	3
U	238	209	He	17.637	ppb	1.6	128897.75	0.9246	Pulse	0.1000	3

ISTD Table:

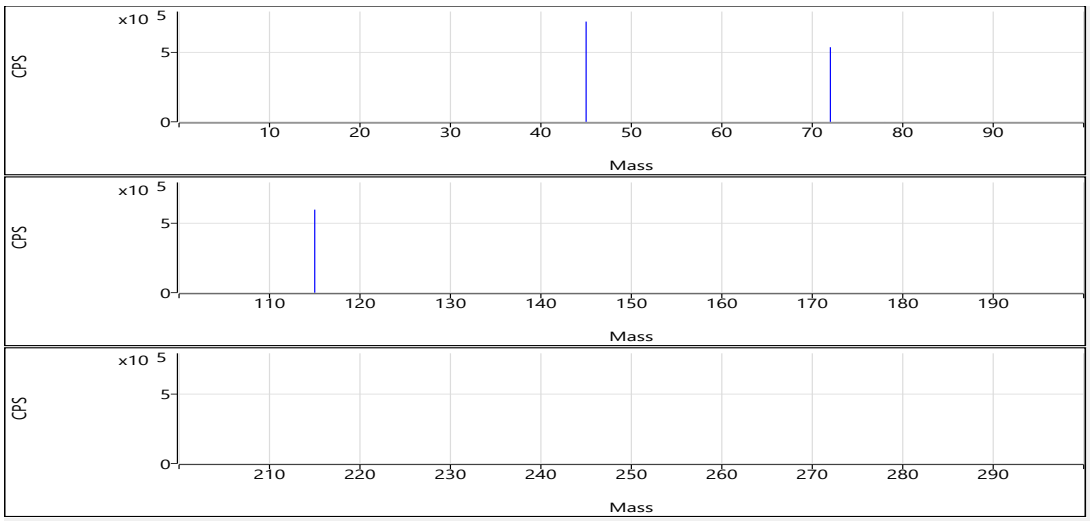
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	710337.49	0.7	103.9	Pulse	0.1000	3
No Gas	Ge	72	358750.44	1.0	99.2	Pulse	0.1000	3
H2	Sc	45	725953.40	1.4	93.8	Pulse	0.1000	3
H2	Ge	72	540286.12	0.5	99.3	Pulse	0.1000	3
H2	In	115	601518.09	0.4	109.1	Pulse	0.1000	3
He	Sc	45	57563.46	0.8	103.1	Pulse	0.1000	3
He	Ge	72	88938.26	2.3	99.6	Pulse	0.1000	3
He	In	115	78395.73	0.8	103.2	Pulse	0.1000	3
He	Tb	159	226566.11	1.0	103.1	Pulse	0.1000	3
He	Bi	209	139427.89	0.8	101.2	Pulse	0.1000	3

No Gas

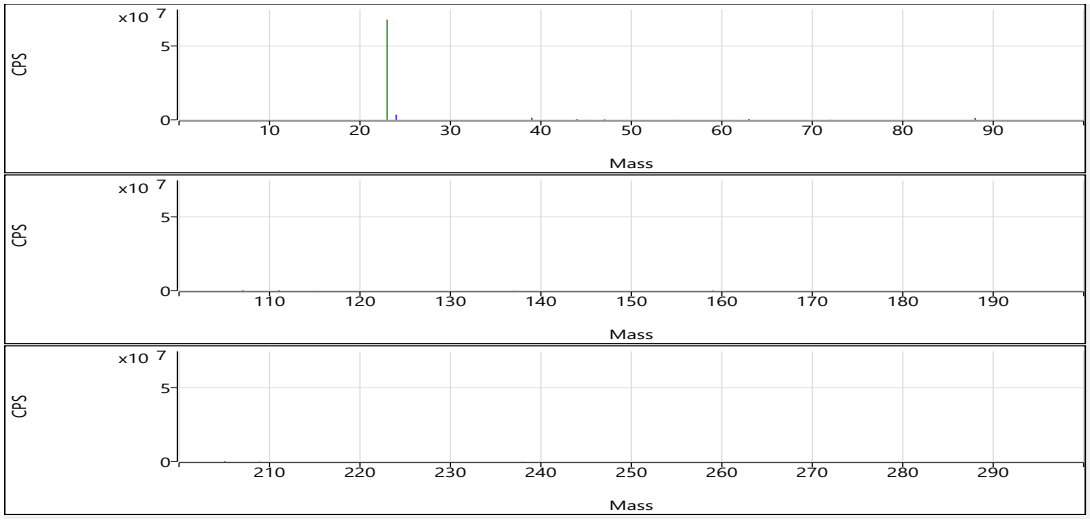


H2



Quantitation Report

He



Quantitation Report

Data File Name	204SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:53:57
Sample Name	180-193940-F-1-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

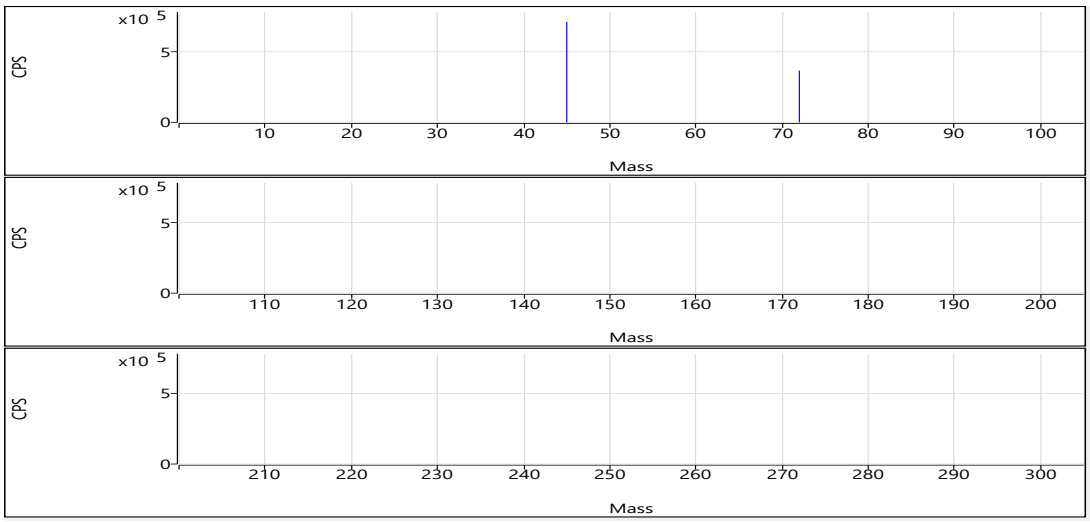
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.039	ppb	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.185	ppb	10.6	50.67	0.0001	Pulse	1.5000	3
Na	23	45	He	13845.893	ppb	1.8	3283492.66	54.4948	Pulse	0.1000	3
Mg	24	45	He	1843.346	ppb	1.7	221767.00	3.6805	Pulse	0.1000	3
Al	27	45	He	160.290	ppb	12.4	6916.39	0.1149	Pulse	0.1000	3
K	39	45	He	3780.704	ppb	1.8	454690.96	7.5463	Pulse	0.1000	3
Ca	44	45	He	16180.730	ppb	1.4	96516.73	1.6017	Pulse	0.1000	3
Ti	47	45	He	5.635	ppb	22.6	236.68	0.0039	Pulse	0.1000	3
V	51	45	He	2.854	ppb	7.7	5518.40	0.0916	Pulse	0.5000	3
Cr	52	72	He	1.002	ppb	9.2	4050.70	0.0423	Pulse	0.1000	3
Mn	55	45	He	25.679	ppb	4.0	24411.36	0.4049	Pulse	0.1000	3
Fe	57	45	He	457.971	ppb	2.2	17564.50	0.2915	Pulse	0.1000	3
Co	59	72	He	0.612	ppb	7.8	2286.92	0.0239	Pulse	0.1000	3
Ni	60	115	He	2.183	ppb	8.0	3360.50	0.0401	Pulse	0.1000	3
Cu	63	115	He	8.359	ppb	3.6	22782.02	0.2718	Pulse	0.1000	3
Zn	66	72	He	84.298	ppb	0.2	26137.61	0.2732	Pulse	0.1000	3
As	75	72	He	0.991	ppb	5.3	300.67	0.0031	Pulse	0.5000	3
Sr	88	72	He	51.291	ppb	1.5	65277.45	0.6822	Pulse	0.1000	3
Mo	98	72	He	3.827	ppb	0.5	7578.98	0.0792	Pulse	0.1000	3
Ag	107	115	He	0.027	ppb	44.8	143.34	0.0017	Pulse	0.1000	3
Cd	111	115	He	0.062	ppb	45.2	32.67	0.0004	Pulse	0.5000	3
Sn	120	115	He	0.122	ppb	58.6	4954.40	0.0591	Pulse	0.1000	3
Sb	121	115	He	1.006	ppb	1.9	1463.46	0.0175	Pulse	0.1000	3
Ba	137	115	He	14.306	ppb	4.5	7575.69	0.0903	Pulse	0.1000	3
Tl	205	209	He	0.020	ppb	32.0	200.01	0.0013	Pulse	0.1000	3
Pb	208	209	He	4.565	ppb	1.8	37195.50	0.2486	Pulse	0.1000	3
U	238	209	He	0.516	ppb	7.1	4170.83	0.0279	Pulse	0.1000	3

ISTD Table:

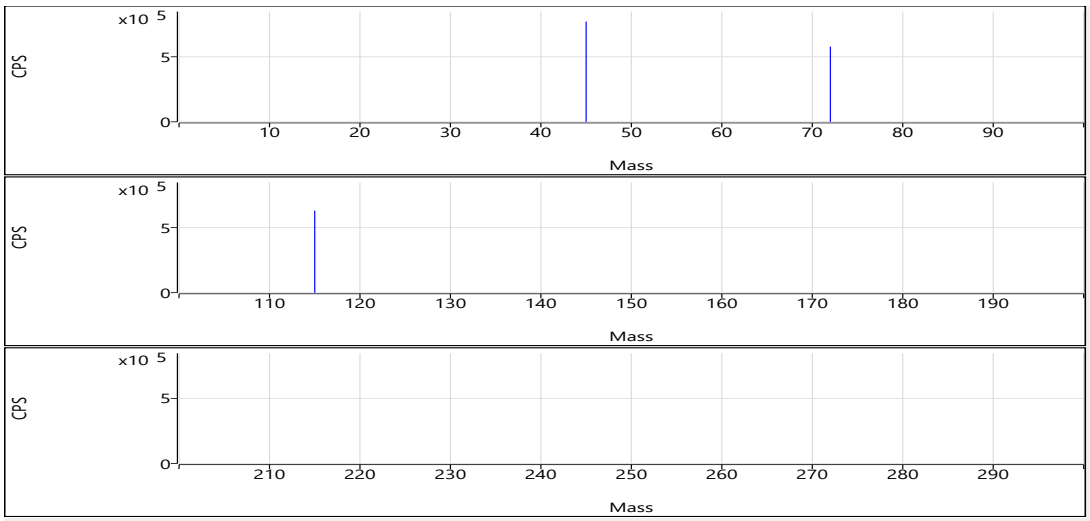
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	712828.74	1.3	104.3	Pulse	0.1000	3
No Gas	Ge	72	367640.14	1.4	101.6	Pulse	0.1000	3
H2	Sc	45	775395.53	1.2	100.2	Pulse	0.1000	3
H2	Ge	72	581423.58	0.6	106.9	Pulse	0.1000	3
H2	In	115	635158.14	1.1	115.2	Pulse	0.1000	3
He	Sc	45	60268.21	2.1	108.0	Pulse	0.1000	3
He	Ge	72	95676.50	0.9	107.1	Pulse	0.1000	3
He	In	115	83842.79	1.3	110.4	Pulse	0.1000	3
He	Tb	159	240714.99	0.5	109.5	Pulse	0.1000	3
He	Bi	209	149599.18	0.3	108.6	Pulse	0.1000	3

No Gas

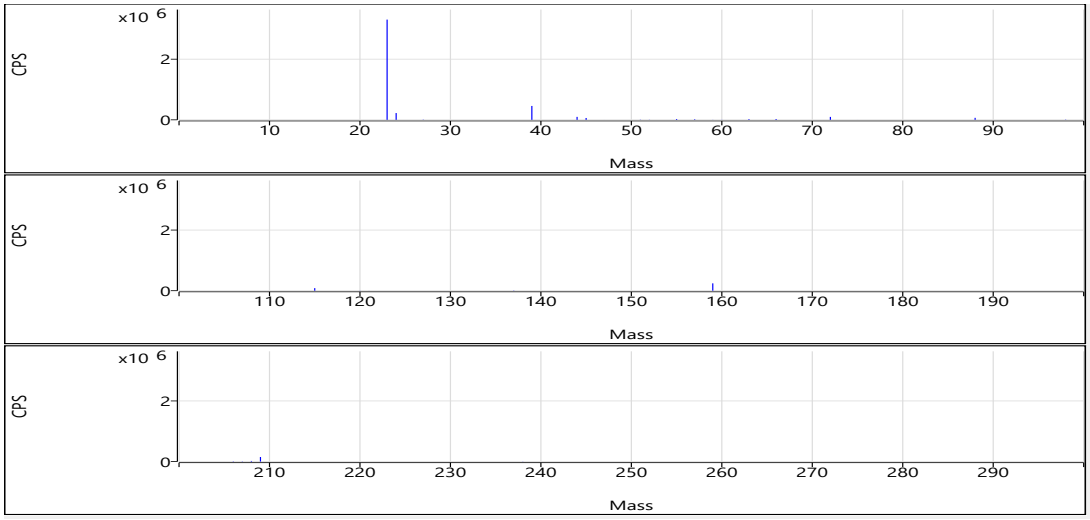


H2



Quantitation Report

He



Quantitation Report

Data File Name	205SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:56:03
Sample Name	180-193940-F-2-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

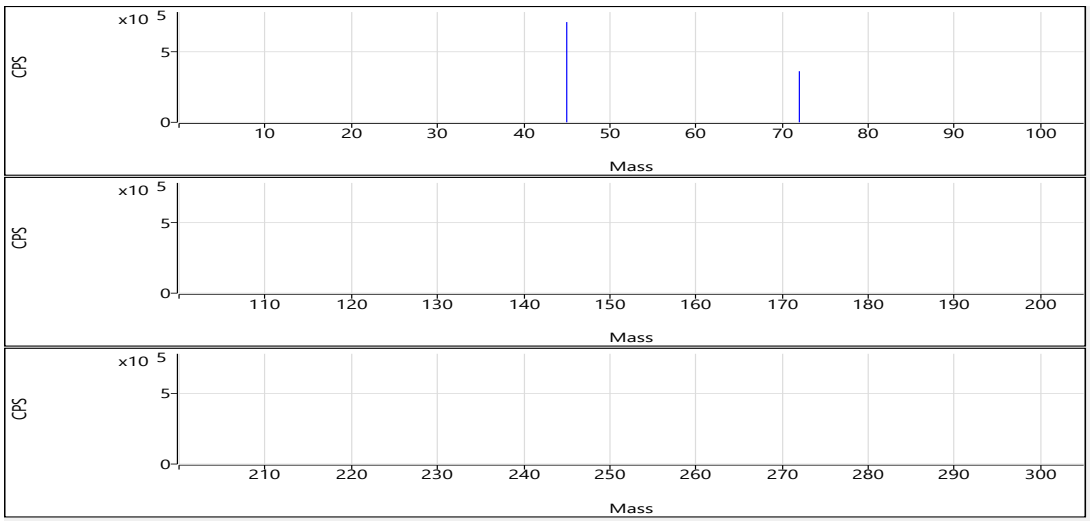
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.185	ppb	28.3	64.00	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.459	ppb	8.1	109.78	0.0002	Pulse	1.5000	3
Na	23	45	He	71767.264	ppb	0.4	16232875.18	281.3453	Analog	0.1000	3
Mg	24	45	He	12445.396	ppb	0.3	1430155.13	24.7871	Pulse	0.1000	3
Al	27	45	He	2880.527	ppb	2.7	116614.64	2.0210	Pulse	0.1000	3
K	39	45	He	39360.859	ppb	0.4	4255238.89	73.7501	Pulse	0.1000	3
Ca	44	45	He	114745.335	ppb	0.8	653774.64	11.3310	Pulse	0.1000	3
Ti	47	45	He	76.782	ppb	3.0	3053.83	0.0529	Pulse	0.1000	3
V	51	45	He	8.409	ppb	2.2	13688.48	0.2372	Pulse	0.5000	3
Cr	52	72	He	16.149	ppb	1.2	31909.19	0.3450	Pulse	0.1000	3
Mn	55	45	He	330.307	ppb	1.4	297374.20	5.1541	Pulse	0.1000	3
Fe	57	45	He	5096.272	ppb	0.6	184653.84	3.2004	Pulse	0.1000	3
Co	59	72	He	5.447	ppb	4.7	18178.59	0.1967	Pulse	0.1000	3
Ni	60	115	He	21.575	ppb	4.1	21259.59	0.2656	Pulse	0.1000	3
Cu	63	115	He	61.322	ppb	1.2	157934.79	1.9731	Pulse	0.1000	3
Zn	66	72	He	442.792	ppb	2.2	132257.54	1.4307	Pulse	0.1000	3
As	75	72	He	8.786	ppb	2.1	2097.50	0.0227	Pulse	0.5000	3
Sr	88	72	He	335.946	ppb	2.1	411366.14	4.4500	Pulse	0.1000	3
Mo	98	72	He	3.934	ppb	3.8	7522.27	0.0814	Pulse	0.1000	3
Ag	107	115	He	1.040	ppb	10.0	3894.01	0.0487	Pulse	0.1000	3
Cd	111	115	He	0.857	ppb	8.7	402.68	0.0050	Pulse	0.5000	3
Sn	120	115	He	2.370	ppb	6.9	8175.99	0.1021	Pulse	0.1000	3
Sb	121	115	He	4.755	ppb	3.4	6511.76	0.0814	Pulse	0.1000	3
Ba	137	115	He	140.581	ppb	0.9	70172.18	0.8767	Pulse	0.1000	3
Tl	205	209	He	0.048	ppb	8.7	360.02	0.0024	Pulse	0.1000	3
Pb	208	209	He	349.979	ppb	0.2	2789086.44	18.9010	Pulse	0.1000	3
U	238	209	He	0.426	ppb	6.7	3417.24	0.0232	Pulse	0.1000	3

ISTD Table:

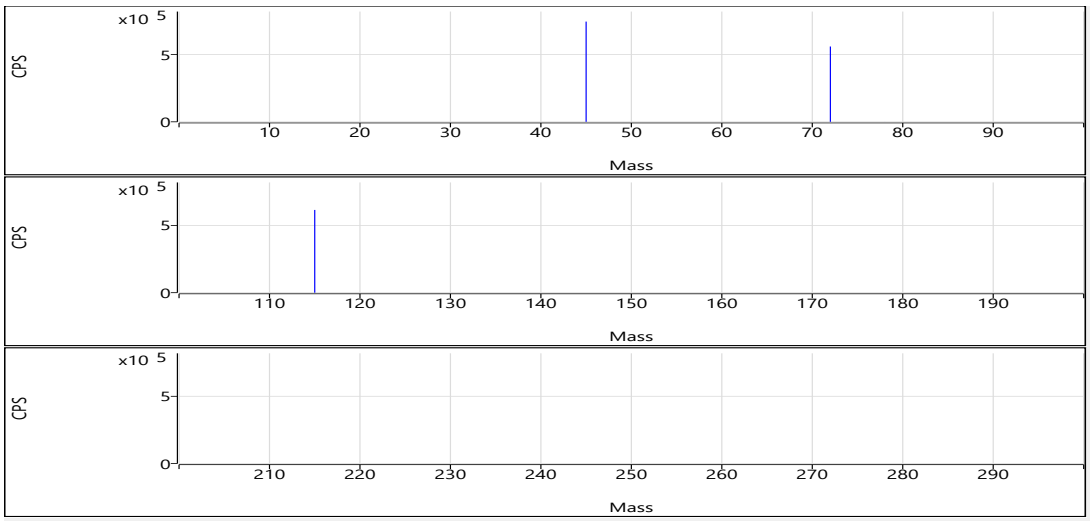
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	713502.41	0.2	104.4	Pulse	0.1000	3
No Gas	Ge	72	363691.39	0.8	100.6	Pulse	0.1000	3
H2	Sc	45	745714.44	1.1	96.4	Pulse	0.1000	3
H2	Ge	72	560383.54	0.4	103.0	Pulse	0.1000	3
H2	In	115	615729.74	0.3	111.6	Pulse	0.1000	3
He	Sc	45	57697.70	0.3	103.4	Pulse	0.1000	3
He	Ge	72	92469.98	2.2	103.5	Pulse	0.1000	3
He	In	115	80042.18	0.3	105.4	Pulse	0.1000	3
He	Tb	159	231354.27	1.0	105.3	Pulse	0.1000	3
He	Bi	209	147561.74	0.7	107.1	Pulse	0.1000	3

No Gas

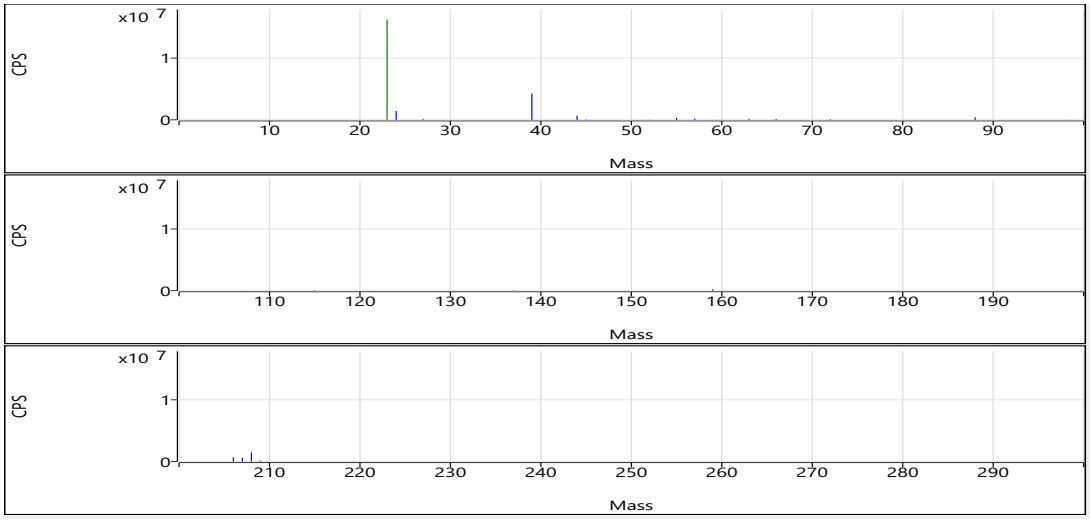


H2



Quantitation Report

He



Quantitation Report

Data File Name	206SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:58:09
Sample Name	410-235349-B-6-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

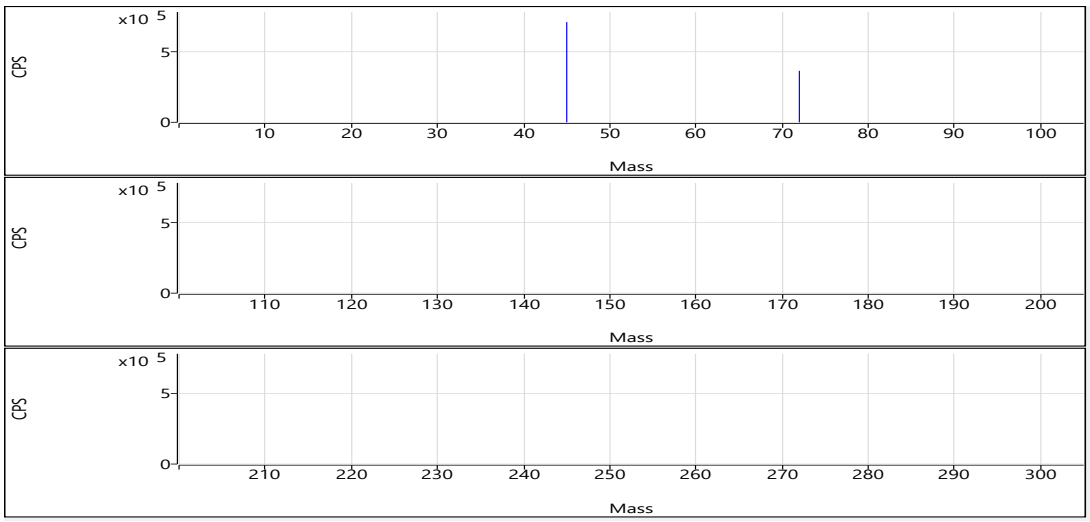
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.023	ppb	N/A	19.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.067	ppb	33.0	22.67	0.0000	Pulse	1.5000	3
Na	23	45	He	99939.712	ppb	1.5	22786856.33	391.6834	Analog	0.1000	3
Mg	24	45	He	1912.959	ppb	2.4	222170.57	3.8191	Pulse	0.1000	3
Al	27	45	He	6.903	ppb	34.6	433.36	0.0075	Pulse	0.1000	3
K	39	45	He	4900.959	ppb	1.6	560285.51	9.6307	Pulse	0.1000	3
Ca	44	45	He	15013.490	ppb	1.0	86484.54	1.4865	Pulse	0.1000	3
Ti	47	45	He	0.747	ppb	39.2	33.33	0.0006	Pulse	0.1000	3
V	51	45	He	0.035	ppb	44.2	1031.38	0.0177	Pulse	0.5000	3
Cr	52	72	He	-0.105	ppb	N/A	1873.52	0.0202	Pulse	0.1000	3
Mn	55	45	He	24.748	ppb	3.1	22708.29	0.3904	Pulse	0.1000	3
Fe	57	45	He	83.817	ppb	4.8	3310.49	0.0569	Pulse	0.1000	3
Co	59	72	He	0.261	ppb	11.8	1053.41	0.0114	Pulse	0.1000	3
Ni	60	115	He	3.215	ppb	5.4	4204.11	0.0521	Pulse	0.1000	3
Cu	63	115	He	443.106	ppb	1.7	1149032.79	14.2371	Pulse	0.1000	3
Zn	66	72	He	311.258	ppb	2.7	93176.25	1.0060	Pulse	0.1000	3
As	75	72	He	0.355	ppb	8.0	143.33	0.0015	Pulse	0.5000	3
Sr	88	72	He	70.946	ppb	0.7	87293.82	0.9424	Pulse	0.1000	3
Mo	98	72	He	2.102	ppb	3.6	4054.09	0.0438	Pulse	0.1000	3
Ag	107	115	He	0.031	ppb	23.4	150.01	0.0019	Pulse	0.1000	3
Cd	111	115	He	0.024	ppb	9.4	13.33	0.0002	Pulse	0.5000	3
Sn	120	115	He	0.204	ppb	153.1	4897.70	0.0607	Pulse	0.1000	3
Sb	121	115	He	0.202	ppb	20.7	303.35	0.0038	Pulse	0.1000	3
Ba	137	115	He	25.429	ppb	3.1	12879.84	0.1596	Pulse	0.1000	3
Tl	205	209	He	0.023	ppb	7.9	206.68	0.0015	Pulse	0.1000	3
Pb	208	209	He	0.721	ppb	3.8	5844.05	0.0411	Pulse	0.1000	3
U	238	209	He	0.797	ppb	6.1	6058.29	0.0426	Pulse	0.1000	3

ISTD Table:

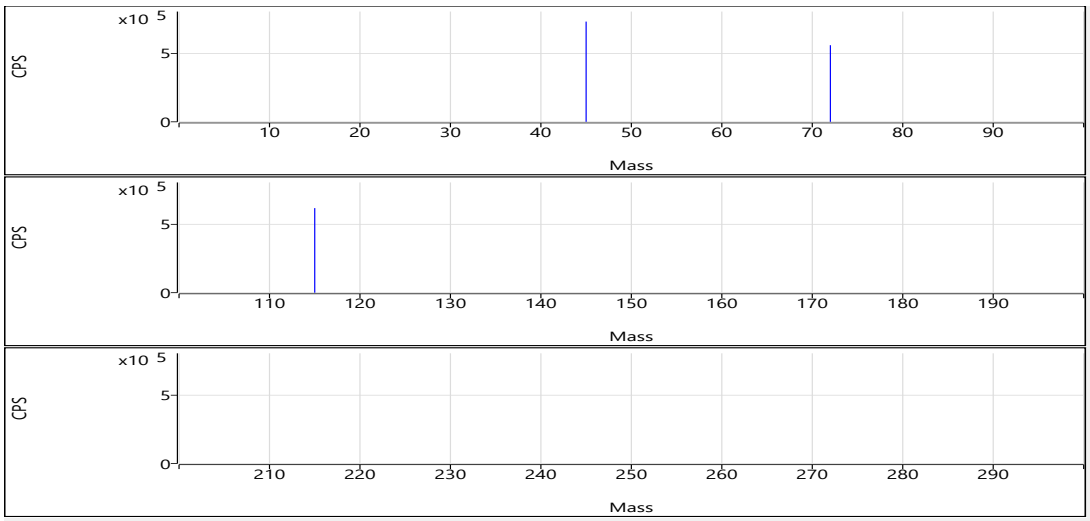
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	710554.44	0.3	103.9	Pulse	0.1000	3
No Gas	Ge	72	364863.20	0.5	100.9	Pulse	0.1000	3
H2	Sc	45	732508.01	1.0	94.7	Pulse	0.1000	3
H2	Ge	72	559985.15	0.5	102.9	Pulse	0.1000	3
H2	In	115	618138.23	1.0	112.1	Pulse	0.1000	3
He	Sc	45	58186.61	1.7	104.2	Pulse	0.1000	3
He	Ge	72	92633.82	0.7	103.7	Pulse	0.1000	3
He	In	115	80715.53	1.0	106.3	Pulse	0.1000	3
He	Tb	159	229709.92	0.6	104.5	Pulse	0.1000	3
He	Bi	209	142295.83	0.8	103.3	Pulse	0.1000	3

No Gas

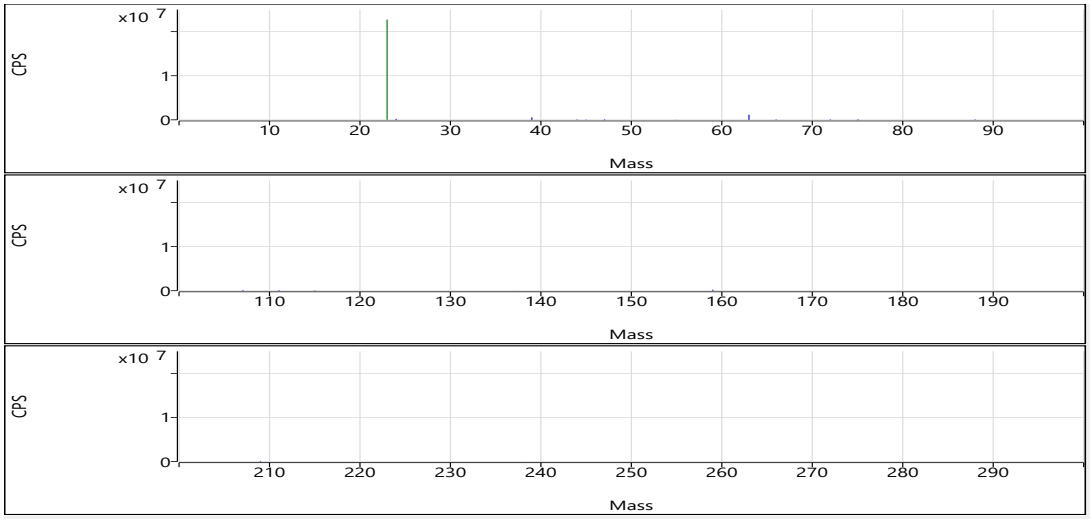


H2



Quantitation Report

He



Quantitation Report

Data File Name	207SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:00:14
Sample Name	410-235350-D-1-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

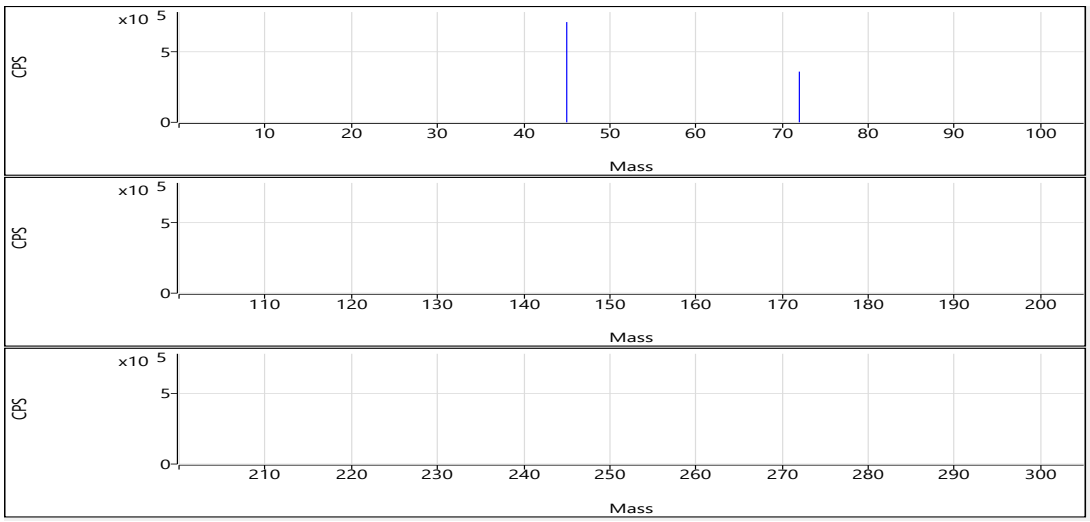
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.067	ppb	N/A	10.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.254	ppb	19.3	62.22	0.0001	Pulse	1.5000	3
Na	23	45	He	22565.388	ppb	0.6	5099237.84	88.6449	Analog	0.1000	3
Mg	24	45	He	20225.390	ppb	1.2	2316699.50	40.2756	Pulse	0.1000	3
Al	27	45	He	17.000	ppb	6.2	836.72	0.0145	Pulse	0.1000	3
K	39	45	He	2656.741	ppb	1.2	313777.39	5.4549	Pulse	0.1000	3
Ca	44	45	He	84961.889	ppb	1.0	482699.90	8.3911	Pulse	0.1000	3
Ti	47	45	He	0.837	ppb	106.3	36.67	0.0006	Pulse	0.1000	3
V	51	45	He	0.349	ppb	9.1	1492.09	0.0259	Pulse	0.5000	3
Cr	52	72	He	0.150	ppb	60.6	2250.25	0.0253	Pulse	0.1000	3
Mn	55	45	He	0.252	ppb	15.2	486.69	0.0085	Pulse	0.1000	3
Fe	57	45	He	15.011	ppb	21.6	790.05	0.0137	Pulse	0.1000	3
Co	59	72	He	0.104	ppb	26.0	513.37	0.0058	Pulse	0.1000	3
Ni	60	115	He	0.060	ppb	150.7	1226.76	0.0154	Pulse	0.1000	3
Cu	63	115	He	4.310	ppb	1.6	11298.09	0.1417	Pulse	0.1000	3
Zn	66	72	He	1.362	ppb	5.4	480.02	0.0054	Pulse	0.1000	3
As	75	72	He	0.467	ppb	17.7	162.67	0.0018	Pulse	0.5000	3
Sr	88	72	He	301.721	ppb	2.3	355177.68	3.9970	Pulse	0.1000	3
Mo	98	72	He	0.857	ppb	5.1	1616.81	0.0182	Pulse	0.1000	3
Ag	107	115	He	0.000	ppb	1448.4	36.67	0.0005	Pulse	0.1000	3
Cd	111	115	He	0.023	ppb	77.7	12.67	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.156	ppb	N/A	4287.49	0.0538	Pulse	0.1000	3
Sb	121	115	He	0.077	ppb	17.0	130.01	0.0016	Pulse	0.1000	3
Ba	137	115	He	65.239	ppb	2.8	32489.18	0.4075	Pulse	0.1000	3
Tl	205	209	He	0.028	ppb	35.7	233.35	0.0017	Pulse	0.1000	3
Pb	208	209	He	0.175	ppb	12.8	1630.11	0.0116	Pulse	0.1000	3
U	238	209	He	0.621	ppb	11.6	4701.01	0.0334	Pulse	0.1000	3

ISTD Table:

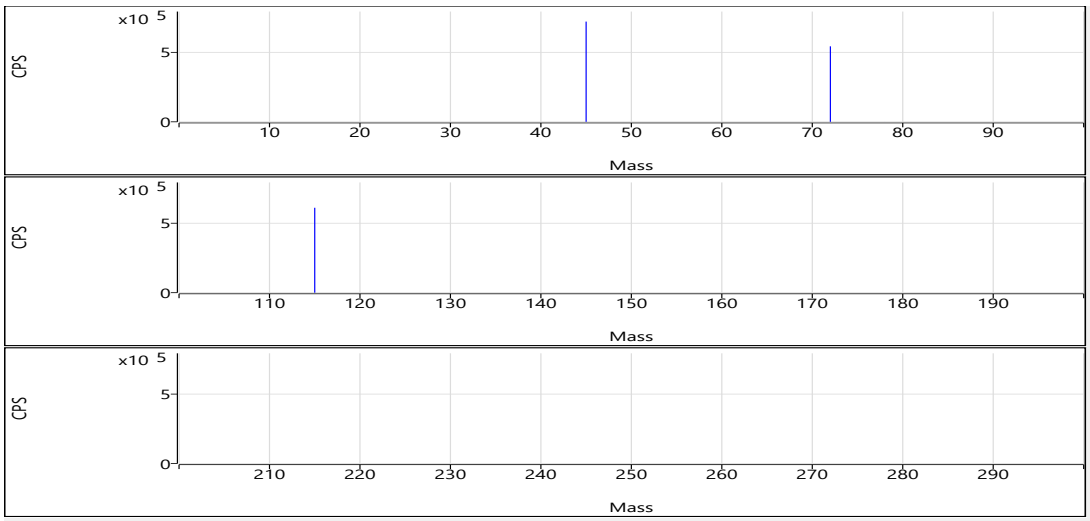
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	709316.86	0.9	103.8	Pulse	0.1000	3
No Gas	Ge	72	358630.83	0.6	99.2	Pulse	0.1000	3
H2	Sc	45	722530.51	2.8	93.4	Pulse	0.1000	3
H2	Ge	72	544247.14	0.8	100.0	Pulse	0.1000	3
H2	In	115	612204.56	0.1	111.0	Pulse	0.1000	3
He	Sc	45	57526.91	1.3	103.1	Pulse	0.1000	3
He	Ge	72	88891.11	2.3	99.5	Pulse	0.1000	3
He	In	115	79750.81	1.8	105.0	Pulse	0.1000	3
He	Tb	159	228830.90	0.4	104.1	Pulse	0.1000	3
He	Bi	209	140704.18	1.0	102.1	Pulse	0.1000	3

No Gas

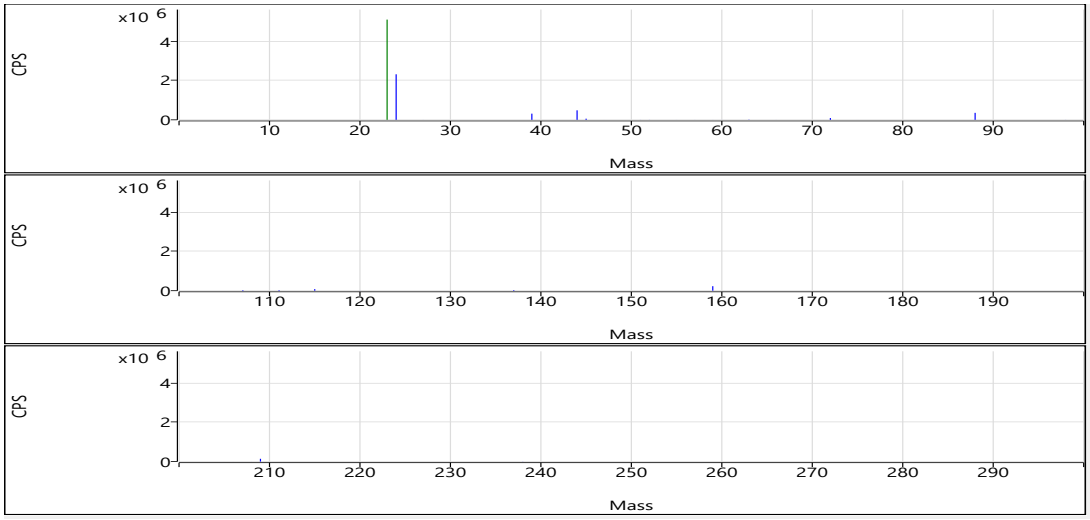


H2



Quantitation Report

He



Quantitation Report

Data File Name	208SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:02:20
Sample Name	410-235349-B-5-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

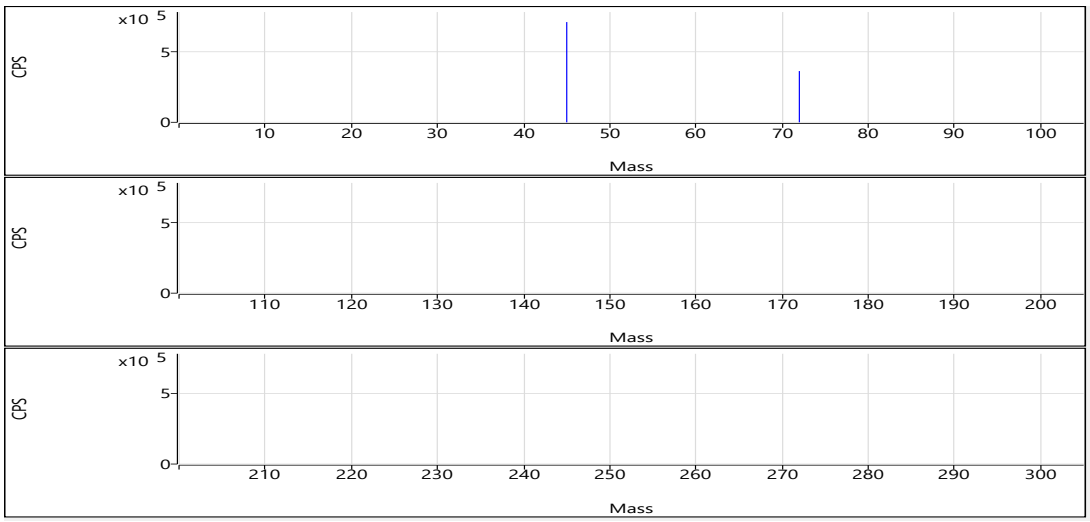
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.055	ppb	N/A	12.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.070	ppb	52.6	23.56	0.0000	Pulse	1.5000	3
Na	23	45	He	71259.814	ppb	1.9	15890183.93	279.3578	Analog	0.1000	3
Mg	24	45	He	8944.929	ppb	2.0	1013673.71	17.8184	Pulse	0.1000	3
Al	27	45	He	1.512	ppb	70.9	210.01	0.0037	Pulse	0.1000	3
K	39	45	He	8196.037	ppb	1.5	896676.47	15.7619	Pulse	0.1000	3
Ca	44	45	He	55190.982	ppb	2.2	310171.14	5.4524	Pulse	0.1000	3
Ti	47	45	He	1.100	ppb	33.3	46.67	0.0008	Pulse	0.1000	3
V	51	45	He	0.014	ppb	274.6	977.37	0.0172	Pulse	0.5000	3
Cr	52	72	He	-0.156	ppb	N/A	1740.16	0.0192	Pulse	0.1000	3
Mn	55	45	He	344.237	ppb	1.9	305538.70	5.3712	Pulse	0.1000	3
Fe	57	45	He	16.332	ppb	8.0	826.72	0.0145	Pulse	0.1000	3
Co	59	72	He	0.382	ppb	11.9	1426.78	0.0157	Pulse	0.1000	3
Ni	60	115	He	7.459	ppb	5.1	8062.49	0.1015	Pulse	0.1000	3
Cu	63	115	He	718.956	ppb	0.8	1834276.95	23.0983	Pulse	0.1000	3
Zn	66	72	He	237.977	ppb	0.4	69775.99	0.7694	Pulse	0.1000	3
As	75	72	He	0.295	ppb	8.5	126.67	0.0014	Pulse	0.5000	3
Sr	88	72	He	255.265	ppb	0.5	306705.24	3.3821	Pulse	0.1000	3
Mo	98	72	He	0.954	ppb	11.9	1833.52	0.0202	Pulse	0.1000	3
Ag	107	115	He	0.019	ppb	31.1	103.33	0.0013	Pulse	0.1000	3
Cd	111	115	He	0.040	ppb	37.2	20.67	0.0003	Pulse	0.5000	3
Sn	120	115	He	-0.020	ppb	N/A	4470.88	0.0564	Pulse	0.1000	3
Sb	121	115	He	0.081	ppb	12.7	133.34	0.0017	Pulse	0.1000	3
Ba	137	115	He	85.302	ppb	1.2	42292.44	0.5324	Pulse	0.1000	3
Tl	205	209	He	0.031	ppb	38.0	246.68	0.0018	Pulse	0.1000	3
Pb	208	209	He	0.280	ppb	7.2	2420.18	0.0172	Pulse	0.1000	3
U	238	209	He	1.584	ppb	2.7	11769.08	0.0838	Pulse	0.1000	3

ISTD Table:

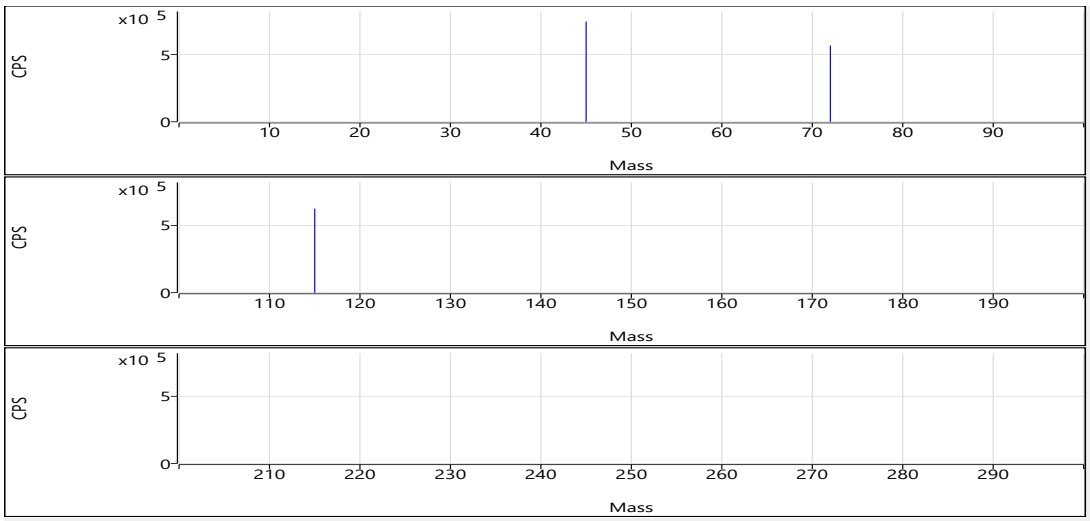
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	711260.51	1.1	104.0	Pulse	0.1000	3
No Gas	Ge	72	363544.11	1.0	100.5	Pulse	0.1000	3
H2	Sc	45	742274.65	3.0	96.0	Pulse	0.1000	3
H2	Ge	72	564612.31	1.1	103.8	Pulse	0.1000	3
H2	In	115	622103.75	0.7	112.8	Pulse	0.1000	3
He	Sc	45	56901.47	2.9	101.9	Pulse	0.1000	3
He	Ge	72	90688.50	2.1	101.5	Pulse	0.1000	3
He	In	115	79421.06	2.2	104.6	Pulse	0.1000	3
He	Tb	159	228613.23	2.1	104.0	Pulse	0.1000	3
He	Bi	209	140437.30	1.3	101.9	Pulse	0.1000	3

No Gas

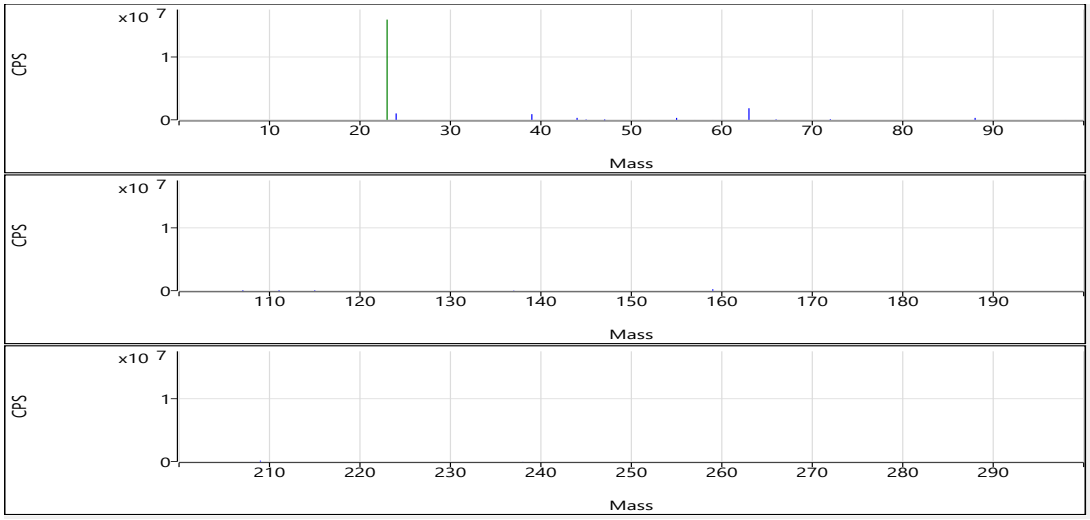


H2



Quantitation Report

He



Quantitation Report

Data File Name	209SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:04:25
Sample Name	410-235352-D-1-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

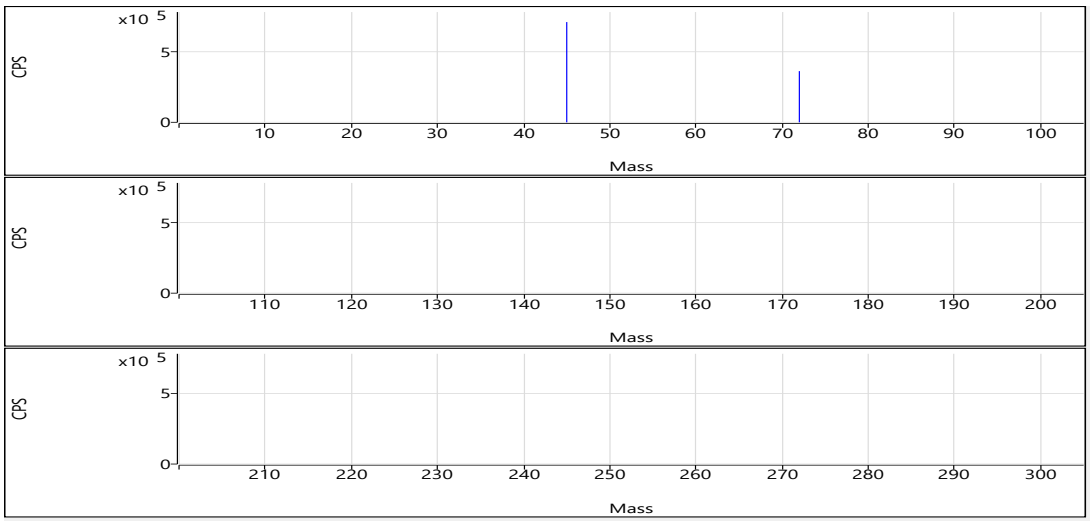
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.023	ppb	N/A	19.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.092	ppb	9.7	27.33	0.0001	Pulse	1.5000	3
Na	23	45	He	97735.632	ppb	1.0	21804277.17	383.0511	Analog	0.1000	3
Mg	24	45	He	27.968	ppb	7.7	3783.94	0.0665	Pulse	0.1000	3
Al	27	45	He	0.346	ppb	278.2	163.34	0.0029	Pulse	0.1000	3
K	39	45	He	111.671	ppb	15.6	40951.25	0.7193	Pulse	0.1000	3
Ca	44	45	He	212.662	ppb	8.6	1450.12	0.0255	Pulse	0.1000	3
Ti	47	45	He	0.761	ppb	102.0	33.33	0.0006	Pulse	0.1000	3
V	51	45	He	0.003	ppb	693.4	960.71	0.0169	Pulse	0.5000	3
Cr	52	72	He	0.019	ppb	234.8	2043.55	0.0227	Pulse	0.1000	3
Mn	55	45	He	0.539	ppb	12.3	736.71	0.0129	Pulse	0.1000	3
Fe	57	45	He	-0.228	ppb	N/A	236.68	0.0042	Pulse	0.1000	3
Co	59	72	He	0.056	ppb	45.9	363.35	0.0040	Pulse	0.1000	3
Ni	60	115	He	-0.001	ppb	N/A	1143.41	0.0147	Pulse	0.1000	3
Cu	63	115	He	7.875	ppb	2.6	19924.33	0.2562	Pulse	0.1000	3
Zn	66	72	He	32.317	ppb	2.4	9476.78	0.1054	Pulse	0.1000	3
As	75	72	He	0.142	ppb	74.7	91.33	0.0010	Pulse	0.5000	3
Sr	88	72	He	0.691	ppb	13.0	1120.09	0.0125	Pulse	0.1000	3
Mo	98	72	He	0.098	ppb	40.6	233.34	0.0026	Pulse	0.1000	3
Ag	107	115	He	0.007	ppb	101.9	60.00	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.012	ppb	59.5	7.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	1.280	ppb	198.6	6325.01	0.0813	Pulse	0.1000	3
Sb	121	115	He	0.012	ppb	107.4	40.00	0.0005	Pulse	0.1000	3
Ba	137	115	He	0.249	ppb	73.8	216.68	0.0028	Pulse	0.1000	3
Tl	205	209	He	0.003	ppb	369.8	86.67	0.0006	Pulse	0.1000	3
Pb	208	209	He	0.620	ppb	1.1	5000.56	0.0356	Pulse	0.1000	3
U	238	209	He	0.123	ppb	19.7	1023.41	0.0073	Pulse	0.1000	3

ISTD Table:

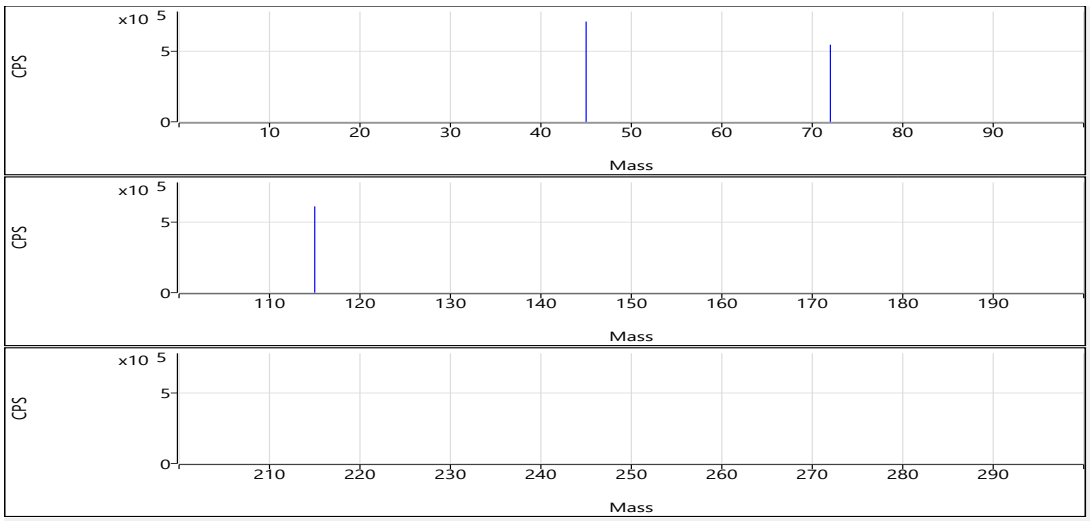
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	705520.79	0.6	103.2	Pulse	0.1000	3
No Gas	Ge	72	360184.84	0.6	99.6	Pulse	0.1000	3
H2	Sc	45	705787.05	2.5	91.2	Pulse	0.1000	3
H2	Ge	72	543174.76	1.1	99.9	Pulse	0.1000	3
H2	In	115	607771.62	0.8	110.2	Pulse	0.1000	3
He	Sc	45	56924.90	0.6	102.0	Pulse	0.1000	3
He	Ge	72	89940.71	1.1	100.7	Pulse	0.1000	3
He	In	115	77777.21	1.4	102.4	Pulse	0.1000	3
He	Tb	159	225363.18	1.1	102.5	Pulse	0.1000	3
He	Bi	209	140378.41	1.3	101.9	Pulse	0.1000	3

No Gas

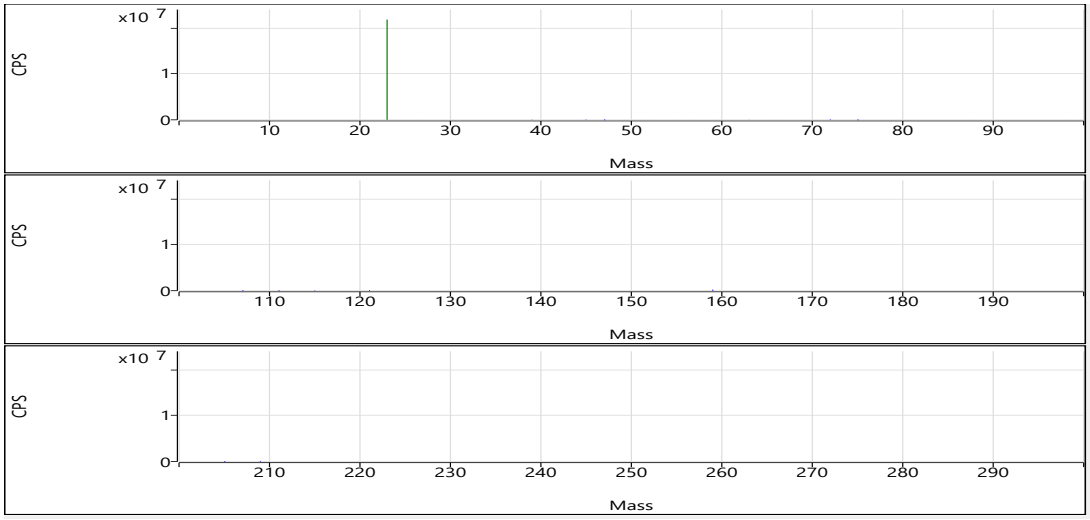


H2



Quantitation Report

He



Quantitation Report

Data File Name	210SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:06:31
Sample Name	410-235349-B-1-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

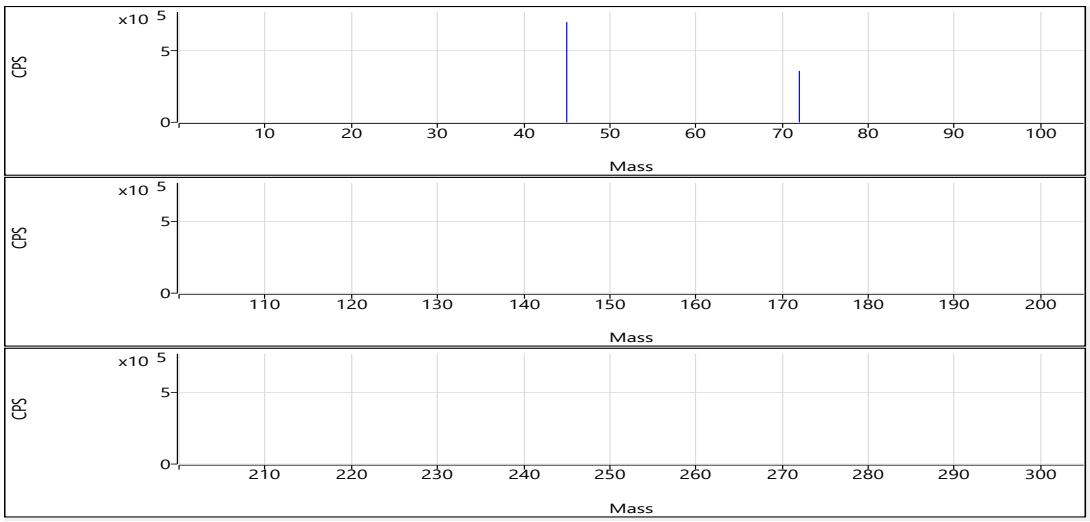
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.070	ppb	N/A	9.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.038	ppb	52.3	16.00	0.0000	Pulse	1.5000	3
Na	23	45	He	4483.862	ppb	1.1	1015792.56	17.8281	Pulse	0.1000	3
Mg	24	45	He	45.565	ppb	14.5	5778.02	0.1015	Pulse	0.1000	3
Al	27	45	He	1.260	ppb	23.4	200.01	0.0035	Pulse	0.1000	3
K	39	45	He	183.152	ppb	13.4	48540.72	0.8523	Pulse	0.1000	3
Ca	44	45	He	325.070	ppb	7.9	2083.57	0.0366	Pulse	0.1000	3
Ti	47	45	He	0.343	ppb	115.1	16.67	0.0003	Pulse	0.1000	3
V	51	45	He	-0.039	ppb	N/A	899.37	0.0158	Pulse	0.5000	3
Cr	52	72	He	-0.220	ppb	N/A	1653.49	0.0179	Pulse	0.1000	3
Mn	55	45	He	1.009	ppb	11.6	1153.43	0.0203	Pulse	0.1000	3
Fe	57	45	He	0.136	ppb	893.4	250.01	0.0044	Pulse	0.1000	3
Co	59	72	He	0.011	ppb	39.5	226.68	0.0025	Pulse	0.1000	3
Ni	60	115	He	-0.199	ppb	N/A	993.40	0.0124	Pulse	0.1000	3
Cu	63	115	He	1.003	ppb	13.9	2840.39	0.0355	Pulse	0.1000	3
Zn	66	72	He	0.840	ppb	19.0	343.35	0.0037	Pulse	0.1000	3
As	75	72	He	0.133	ppb	42.0	91.33	0.0010	Pulse	0.5000	3
Sr	88	72	He	1.644	ppb	3.6	2313.62	0.0251	Pulse	0.1000	3
Mo	98	72	He	0.059	ppb	14.8	166.68	0.0018	Pulse	0.1000	3
Ag	107	115	He	-0.001	ppb	N/A	33.33	0.0004	Pulse	0.1000	3
Cd	111	115	He	0.000	ppb	N/A	2.00	0.0000	Pulse	0.5000	3
Sn	120	115	He	-0.120	ppb	N/A	4370.85	0.0545	Pulse	0.1000	3
Sb	121	115	He	0.018	ppb	32.7	50.00	0.0006	Pulse	0.1000	3
Ba	137	115	He	1.421	ppb	17.2	806.72	0.0101	Pulse	0.1000	3
Tl	205	209	He	0.007	ppb	120.3	113.34	0.0008	Pulse	0.1000	3
Pb	208	209	He	0.065	ppb	4.2	813.38	0.0056	Pulse	0.1000	3
U	238	209	He	0.007	ppb	34.7	173.34	0.0012	Pulse	0.1000	3

ISTD Table:

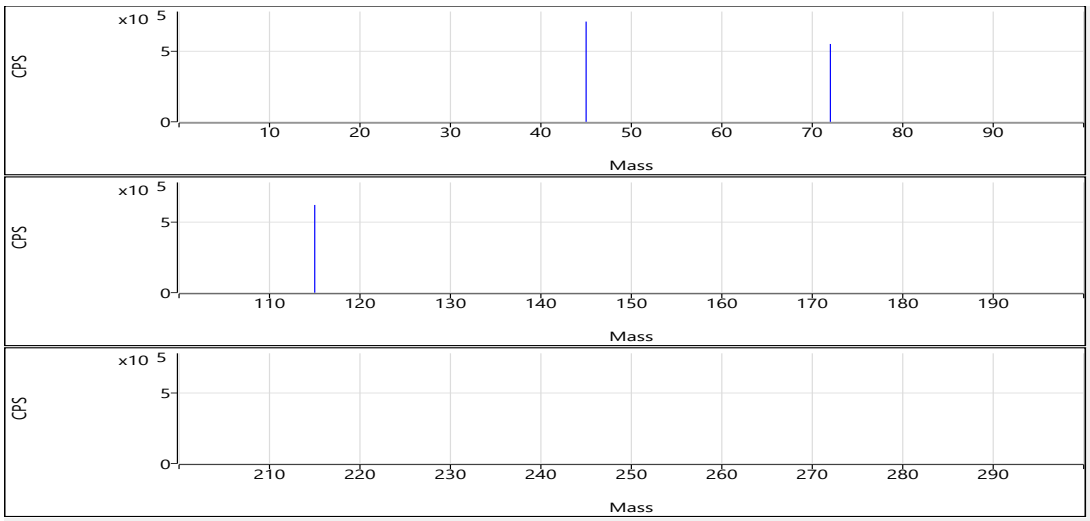
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	701830.09	0.6	102.7	Pulse	0.1000	3
No Gas	Ge	72	359941.32	0.5	99.5	Pulse	0.1000	3
H2	Sc	45	708662.23	4.1	91.6	Pulse	0.1000	3
H2	Ge	72	550460.68	1.4	101.2	Pulse	0.1000	3
H2	In	115	620300.30	0.7	112.5	Pulse	0.1000	3
He	Sc	45	56984.56	1.9	102.1	Pulse	0.1000	3
He	Ge	72	92284.79	0.8	103.3	Pulse	0.1000	3
He	In	115	80326.81	3.9	105.8	Pulse	0.1000	3
He	Tb	159	230848.29	0.5	105.0	Pulse	0.1000	3
He	Bi	209	144697.66	1.5	105.0	Pulse	0.1000	3

No Gas

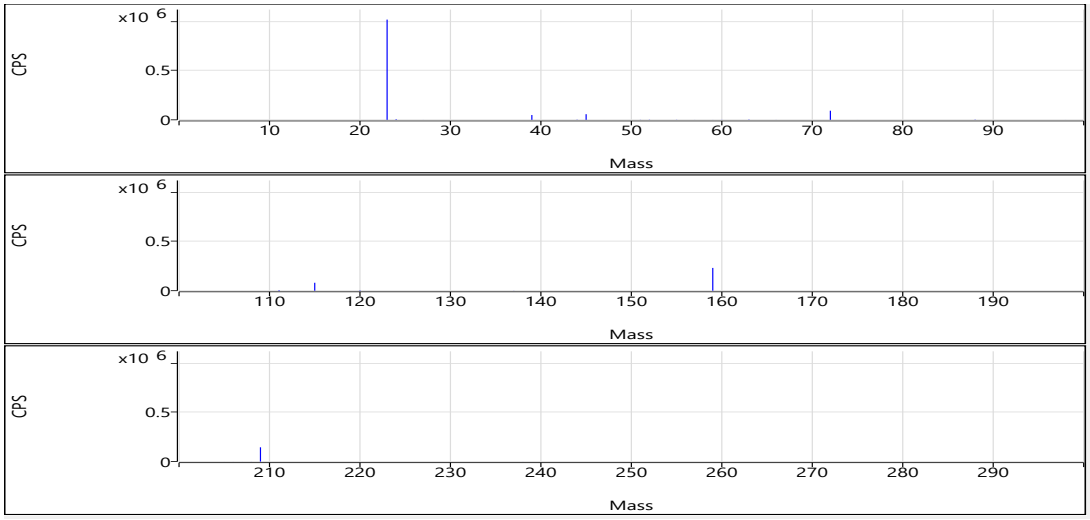


H2



Quantitation Report

He



Quantitation Report

Data File Name	211SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:08:37
Sample Name	410-235349-B-4-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

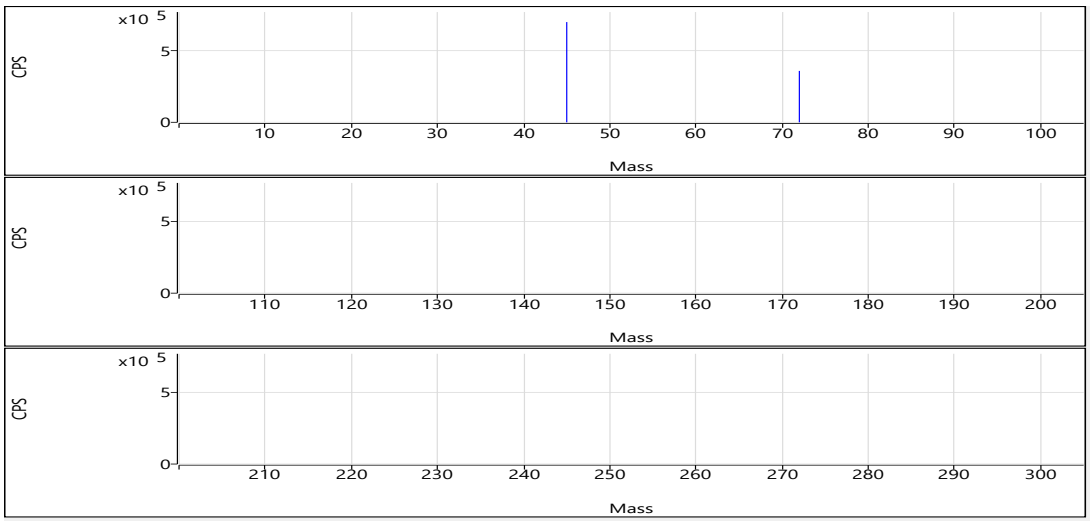
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.051	ppb	N/A	13.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.031	ppb	55.0	14.89	0.0000	Pulse	1.5000	3
Na	23	45	He	5266.288	ppb	2.3	1251207.77	20.8925	Pulse	0.1000	3
Mg	24	45	He	4532.660	ppb	2.0	541077.05	9.0344	Pulse	0.1000	3
Al	27	45	He	8.580	ppb	23.9	516.70	0.0086	Pulse	0.1000	3
K	39	45	He	217.778	ppb	6.9	54903.15	0.9167	Pulse	0.1000	3
Ca	44	45	He	4359.676	ppb	0.5	26050.47	0.4348	Pulse	0.1000	3
Ti	47	45	He	0.312	ppb	116.9	16.67	0.0003	Pulse	0.1000	3
V	51	45	He	-0.021	ppb	N/A	974.71	0.0163	Pulse	0.5000	3
Cr	52	72	He	0.195	ppb	7.1	2483.63	0.0262	Pulse	0.1000	3
Mn	55	45	He	4.552	ppb	4.2	4520.84	0.0755	Pulse	0.1000	3
Fe	57	45	He	6.382	ppb	21.0	496.69	0.0083	Pulse	0.1000	3
Co	59	72	He	0.054	ppb	53.5	376.69	0.0040	Pulse	0.1000	3
Ni	60	115	He	0.251	ppb	30.6	1456.79	0.0176	Pulse	0.1000	3
Cu	63	115	He	0.601	ppb	11.6	1863.52	0.0225	Pulse	0.1000	3
Zn	66	72	He	5.086	ppb	0.1	1650.16	0.0174	Pulse	0.1000	3
As	75	72	He	0.070	ppb	152.7	78.67	0.0008	Pulse	0.5000	3
Sr	88	72	He	58.444	ppb	1.6	73557.18	0.7769	Pulse	0.1000	3
Mo	98	72	He	0.024	ppb	97.2	103.34	0.0011	Pulse	0.1000	3
Ag	107	115	He	0.003	ppb	141.9	50.00	0.0006	Pulse	0.1000	3
Cd	111	115	He	0.002	ppb	493.2	3.33	0.0000	Pulse	0.5000	3
Sn	120	115	He	0.584	ppb	28.5	5618.05	0.0680	Pulse	0.1000	3
Sb	121	115	He	0.070	ppb	36.8	123.34	0.0015	Pulse	0.1000	3
Ba	137	115	He	1.828	ppb	5.7	1043.40	0.0126	Pulse	0.1000	3
Tl	205	209	He	0.004	ppb	81.2	100.00	0.0007	Pulse	0.1000	3
Pb	208	209	He	0.263	ppb	7.8	2416.85	0.0163	Pulse	0.1000	3
U	238	209	He	0.035	ppb	31.7	393.36	0.0027	Pulse	0.1000	3

ISTD Table:

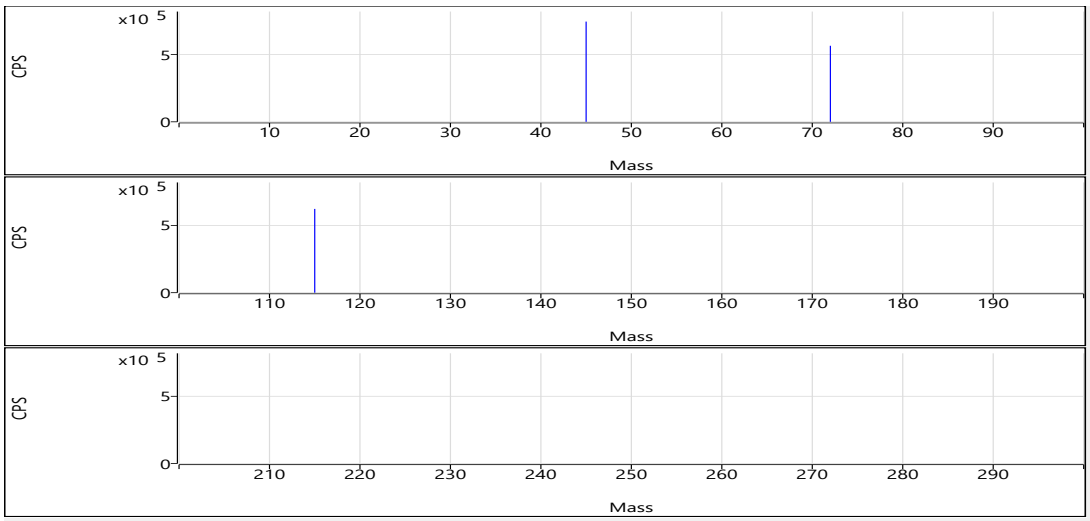
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	702724.78	0.5	102.8	Pulse	0.1000	3
No Gas	Ge	72	360314.71	1.2	99.6	Pulse	0.1000	3
H2	Sc	45	750881.86	2.0	97.1	Pulse	0.1000	3
H2	Ge	72	569675.66	0.5	104.7	Pulse	0.1000	3
H2	In	115	627685.79	0.6	113.8	Pulse	0.1000	3
He	Sc	45	59910.06	2.4	107.3	Pulse	0.1000	3
He	Ge	72	94683.88	0.6	106.0	Pulse	0.1000	3
He	In	115	82723.91	2.0	108.9	Pulse	0.1000	3
He	Tb	159	237040.76	0.0	107.8	Pulse	0.1000	3
He	Bi	209	147977.63	1.7	107.4	Pulse	0.1000	3

No Gas

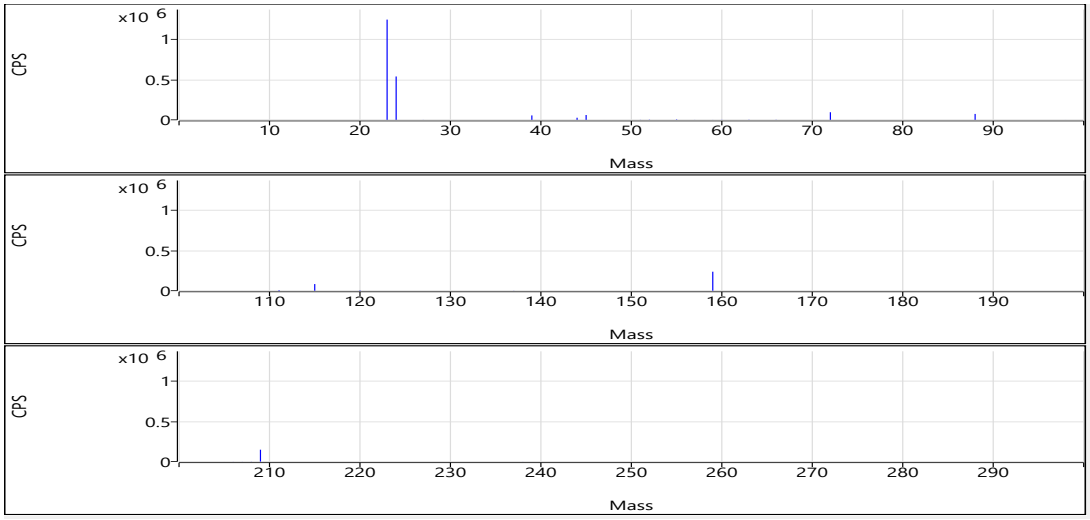


H2



Quantitation Report

He



Quantitation Report

Data File Name	212SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:10:43
Sample Name	410-235349-B-7-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

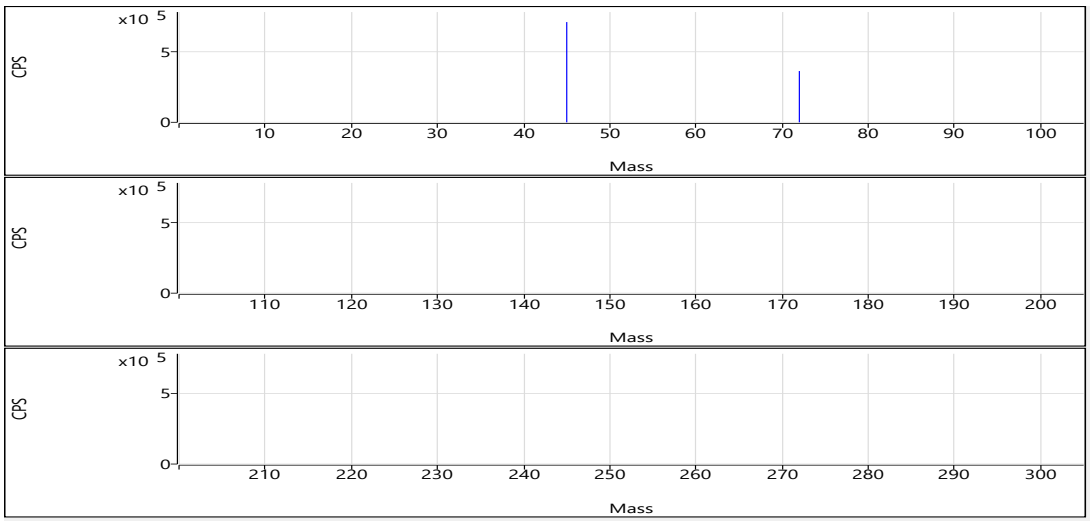
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.051	ppb	N/A	13.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.044	ppb	18.3	17.33	0.0000	Pulse	1.5000	3
Na	23	45	He	104725.956	ppb	2.2	23191974.65	410.4288	Analog	0.1000	3
Mg	24	45	He	1256.961	ppb	2.1	142014.75	2.5132	Pulse	0.1000	3
Al	27	45	He	0.791	ppb	48.6	180.01	0.0032	Pulse	0.1000	3
K	39	45	He	4321.045	ppb	1.1	483301.82	8.5517	Pulse	0.1000	3
Ca	44	45	He	10761.704	ppb	2.4	60278.52	1.0668	Pulse	0.1000	3
Ti	47	45	He	0.261	ppb	154.4	13.33	0.0002	Pulse	0.1000	3
V	51	45	He	-0.059	ppb	N/A	863.37	0.0153	Pulse	0.5000	3
Cr	52	72	He	-0.185	ppb	N/A	1690.15	0.0186	Pulse	0.1000	3
Mn	55	45	He	0.636	ppb	7.4	816.72	0.0145	Pulse	0.1000	3
Fe	57	45	He	3.768	ppb	41.9	376.69	0.0067	Pulse	0.1000	3
Co	59	72	He	0.039	ppb	41.9	313.35	0.0034	Pulse	0.1000	3
Ni	60	115	He	-0.210	ppb	N/A	970.07	0.0123	Pulse	0.1000	3
Cu	63	115	He	8.406	ppb	0.8	21623.39	0.2733	Pulse	0.1000	3
Zn	66	72	He	0.393	ppb	12.8	206.68	0.0023	Pulse	0.1000	3
As	75	72	He	0.072	ppb	46.7	76.00	0.0008	Pulse	0.5000	3
Sr	88	72	He	52.576	ppb	3.6	63479.12	0.6992	Pulse	0.1000	3
Mo	98	72	He	0.957	ppb	3.7	1840.20	0.0202	Pulse	0.1000	3
Ag	107	115	He	0.009	ppb	65.3	66.67	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.010	ppb	26.3	6.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.102	ppb	N/A	4337.49	0.0548	Pulse	0.1000	3
Sb	121	115	He	0.024	ppb	159.4	56.67	0.0007	Pulse	0.1000	3
Ba	137	115	He	4.146	ppb	3.4	2140.24	0.0270	Pulse	0.1000	3
Tl	205	209	He	0.006	ppb	78.7	103.33	0.0007	Pulse	0.1000	3
Pb	208	209	He	0.048	ppb	49.2	663.37	0.0047	Pulse	0.1000	3
U	238	209	He	0.035	ppb	19.1	380.02	0.0027	Pulse	0.1000	3

ISTD Table:

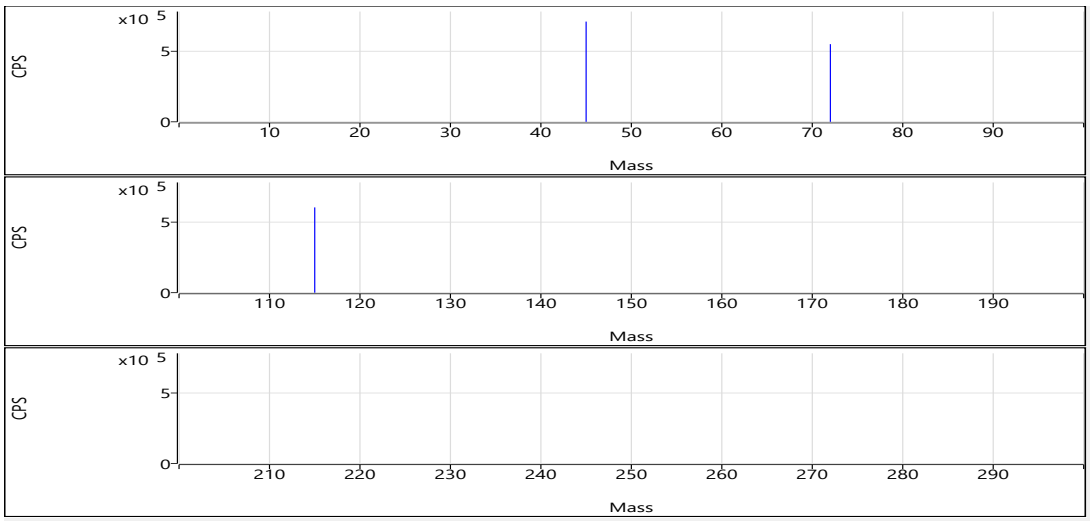
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	707790.30	0.1	103.5	Pulse	0.1000	3
No Gas	Ge	72	361919.70	0.4	100.1	Pulse	0.1000	3
H2	Sc	45	715108.32	3.4	92.4	Pulse	0.1000	3
H2	Ge	72	554192.23	0.9	101.9	Pulse	0.1000	3
H2	In	115	608456.12	0.8	110.3	Pulse	0.1000	3
He	Sc	45	56523.14	2.0	101.3	Pulse	0.1000	3
He	Ge	72	90832.48	2.2	101.7	Pulse	0.1000	3
He	In	115	79130.36	0.6	104.2	Pulse	0.1000	3
He	Tb	159	227999.48	0.0	103.7	Pulse	0.1000	3
He	Bi	209	140601.65	0.6	102.1	Pulse	0.1000	3

No Gas

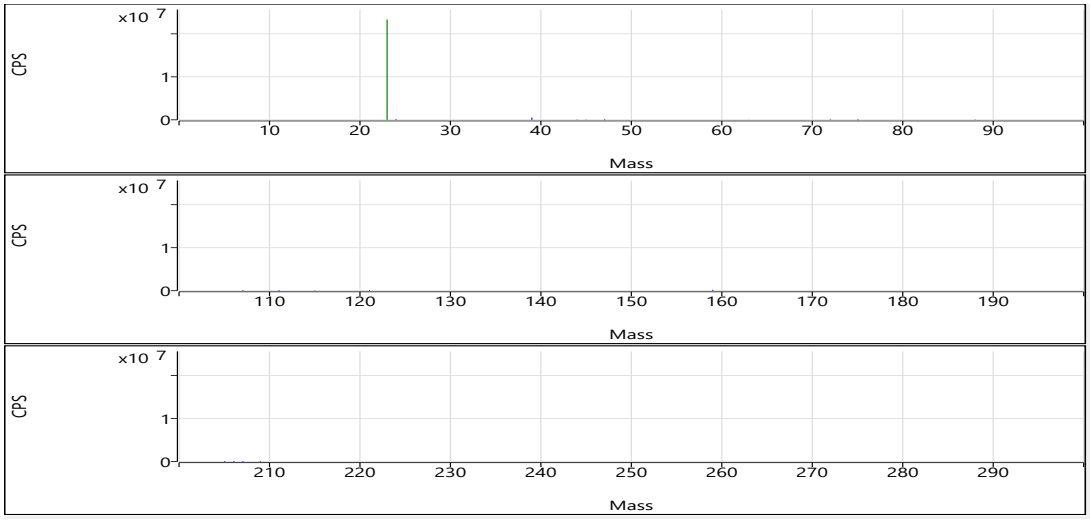


H2



Quantitation Report

He



Quantitation Report

Data File Name	214_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:14:54
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

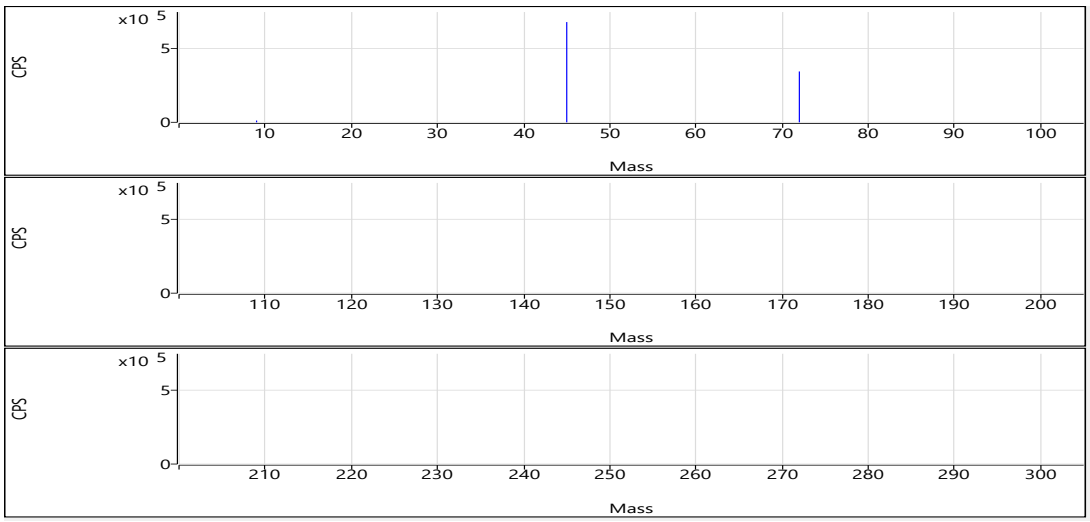
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	58.272	ppb	1.2	11890.76	0.0175	Pulse	0.5000	3
Se	78	72	H2	52.073	ppb	2.7	10951.49	0.0206	Pulse	1.5000	3
Na	23	45	He	5352.789	ppb	1.6	1163804.90	21.2313	Pulse	0.1000	3
Mg	24	45	He	5022.730	ppb	2.2	548670.92	10.0101	Pulse	0.1000	3
Al	27	45	He	5102.230	ppb	1.3	196123.98	3.5778	Pulse	0.1000	3
K	39	45	He	5150.665	ppb	1.7	553381.93	10.0953	Pulse	0.1000	3
Ca	44	45	He	5157.455	ppb	2.1	28161.15	0.5136	Pulse	0.1000	3
Ti	47	45	He	5074.012	ppb	2.1	191501.62	3.4937	Pulse	0.1000	3
V	51	45	He	512.570	ppb	1.7	737440.92	13.4533	Pulse	0.5000	3
Cr	52	72	He	521.615	ppb	1.0	906321.44	10.4452	Pulse	0.1000	3
Mn	55	45	He	513.852	ppb	1.3	439386.33	8.0156	Pulse	0.1000	3
Fe	57	45	He	5100.476	ppb	1.6	175572.52	3.2030	Pulse	0.1000	3
Co	59	72	He	519.116	ppb	0.6	1610032.89	18.5552	Pulse	0.1000	3
Ni	60	115	He	497.530	ppb	1.6	442637.85	5.8013	Pulse	0.1000	3
Cu	63	115	He	495.849	ppb	1.3	1215609.57	15.9314	Pulse	0.1000	3
Zn	66	72	He	517.082	ppb	1.9	144953.49	1.6705	Pulse	0.1000	3
As	75	72	He	524.106	ppb	0.8	114101.48	1.3150	Pulse	0.5000	3
Sr	88	72	He	51.906	ppb	1.8	59899.92	0.6904	Pulse	0.1000	3
Mo	98	72	He	51.989	ppb	2.0	92706.45	1.0685	Pulse	0.1000	3
Ag	107	115	He	50.727	ppb	3.2	179399.65	2.3516	Pulse	0.1000	3
Cd	111	115	He	50.428	ppb	2.3	22474.65	0.2946	Pulse	0.5000	3
Sn	120	115	He	50.649	ppb	1.8	78323.48	1.0265	Pulse	0.1000	3
Sb	121	115	He	50.902	ppb	0.6	66237.90	0.8680	Pulse	0.1000	3
Ba	137	115	He	510.051	ppb	1.6	242448.77	3.1776	Pulse	0.1000	3
Tl	205	209	He	50.598	ppb	0.6	282704.95	2.0529	Pulse	0.1000	3
Pb	208	209	He	50.576	ppb	0.7	376404.64	2.7333	Pulse	0.1000	3
U	238	209	He	50.406	ppb	0.0	363662.47	2.6408	Pulse	0.1000	3

ISTD Table:

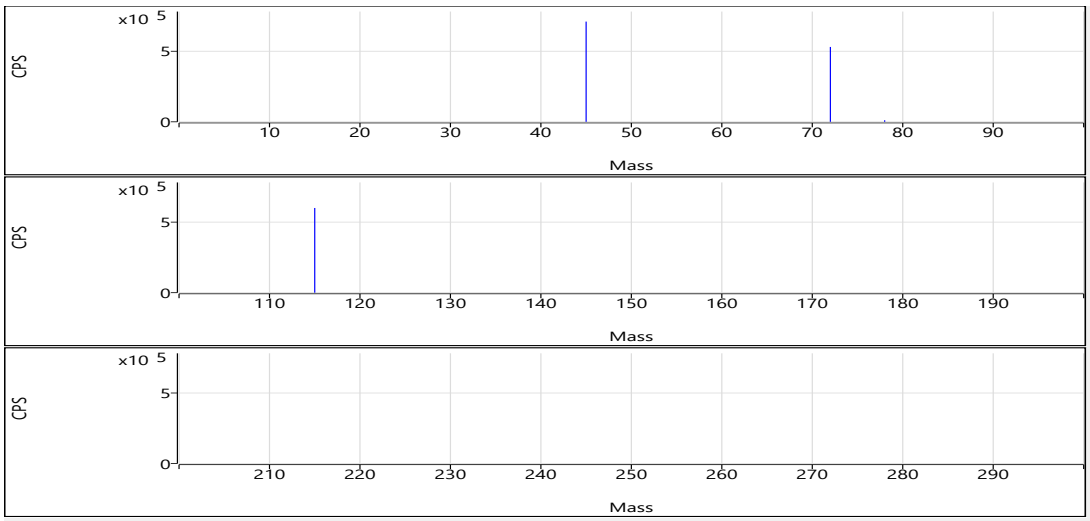
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	679877.20	1.1	99.5	Pulse	0.1000	3
No Gas	Ge	72	344878.51	1.3	95.3	Pulse	0.1000	3
H2	Sc	45	710063.69	2.7	91.8	Pulse	0.1000	3
H2	Ge	72	530411.50	1.1	97.5	Pulse	0.1000	3
H2	In	115	600107.18	1.0	108.8	Pulse	0.1000	3
He	Sc	45	54823.28	1.4	98.2	Pulse	0.1000	3
He	Ge	72	86771.19	0.4	97.2	Pulse	0.1000	3
He	In	115	76314.36	1.7	100.5	Pulse	0.1000	3
He	Tb	159	221977.65	1.1	101.0	Pulse	0.1000	3
He	Bi	209	137711.06	0.5	100.0	Pulse	0.1000	3

No Gas

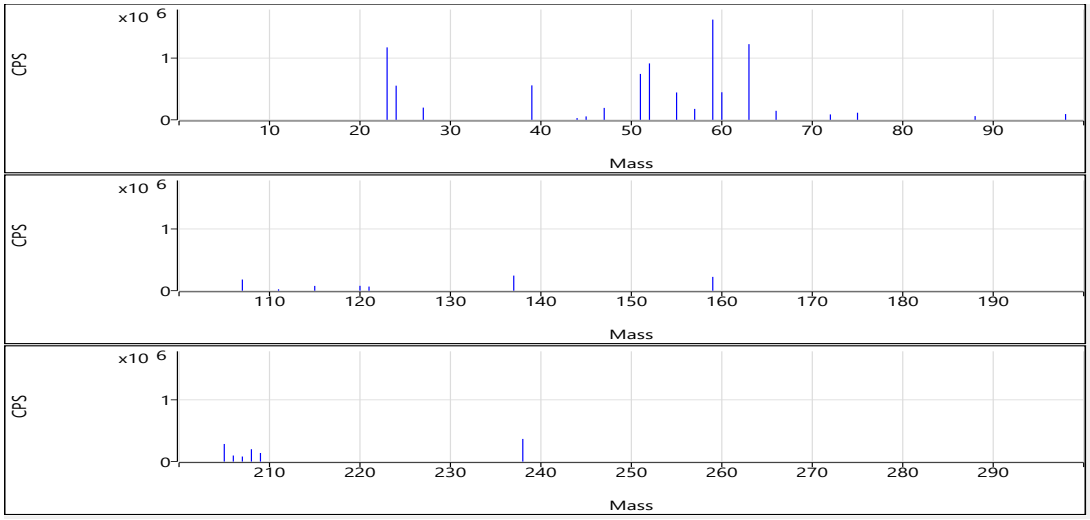


H2



Quantitation Report

He



Quantitation Report

Data File Name	216_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:19:07
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

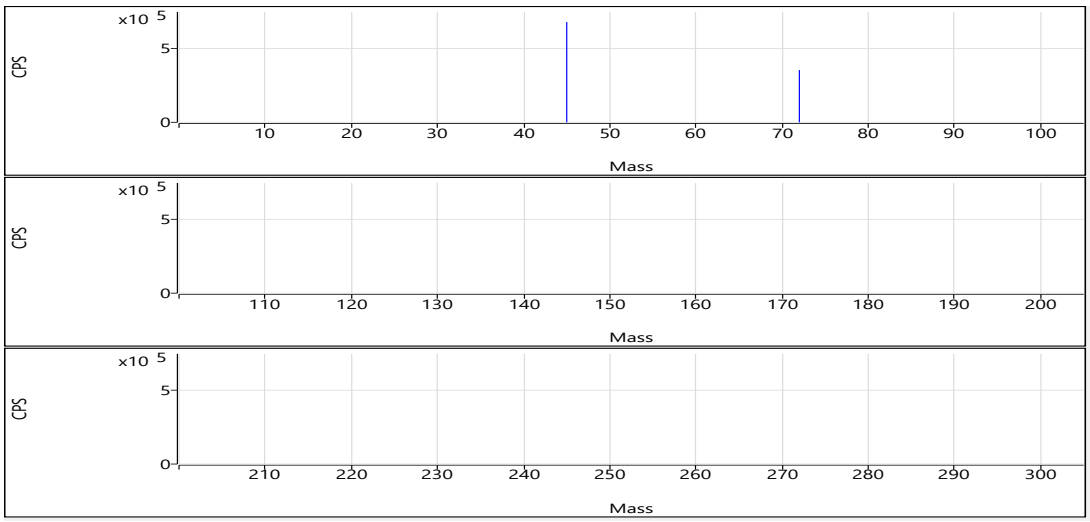
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.035	ppb	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.094	ppb	29.0	27.56	0.0001	Pulse	1.5000	3
Na	23	45	He	118.008	ppb	2.0	39559.96	0.7291	Pulse	0.1000	3
Mg	24	45	He	7.800	ppb	15.6	1430.12	0.0263	Pulse	0.1000	3
Al	27	45	He	-0.248	ppb	N/A	133.34	0.0025	Pulse	0.1000	3
K	39	45	He	16.393	ppb	161.9	29390.21	0.5420	Pulse	0.1000	3
Ca	44	45	He	41.085	ppb	12.6	463.36	0.0085	Pulse	0.1000	3
Ti	47	45	He	1.877	ppb	16.5	73.33	0.0014	Pulse	0.1000	3
V	51	45	He	0.225	ppb	13.8	1231.39	0.0227	Pulse	0.5000	3
Cr	52	72	He	0.120	ppb	61.1	2186.91	0.0247	Pulse	0.1000	3
Mn	55	45	He	0.107	ppb	102.4	336.68	0.0062	Pulse	0.1000	3
Fe	57	45	He	-0.099	ppb	N/A	230.01	0.0042	Pulse	0.1000	3
Co	59	72	He	0.118	ppb	17.8	553.37	0.0063	Pulse	0.1000	3
Ni	60	115	He	0.039	ppb	622.8	1166.75	0.0151	Pulse	0.1000	3
Cu	63	115	He	0.280	ppb	10.2	943.40	0.0122	Pulse	0.1000	3
Zn	66	72	He	0.191	ppb	75.6	143.34	0.0016	Pulse	0.1000	3
As	75	72	He	0.354	ppb	21.0	136.67	0.0015	Pulse	0.5000	3
Sr	88	72	He	0.243	ppb	38.7	576.70	0.0065	Pulse	0.1000	3
Mo	98	72	He	0.103	ppb	18.5	240.01	0.0027	Pulse	0.1000	3
Ag	107	115	He	0.011	ppb	13.6	73.33	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.009	ppb	50.1	6.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.106	ppb	N/A	4220.81	0.0547	Pulse	0.1000	3
Sb	121	115	He	0.058	ppb	65.2	100.00	0.0013	Pulse	0.1000	3
Ba	137	115	He	0.143	ppb	21.4	163.34	0.0021	Pulse	0.1000	3
Tl	205	209	He	0.032	ppb	19.9	250.01	0.0018	Pulse	0.1000	3
Pb	208	209	He	0.029	ppb	8.0	510.02	0.0037	Pulse	0.1000	3
U	238	209	He	0.020	ppb	46.1	256.68	0.0019	Pulse	0.1000	3

ISTD Table:

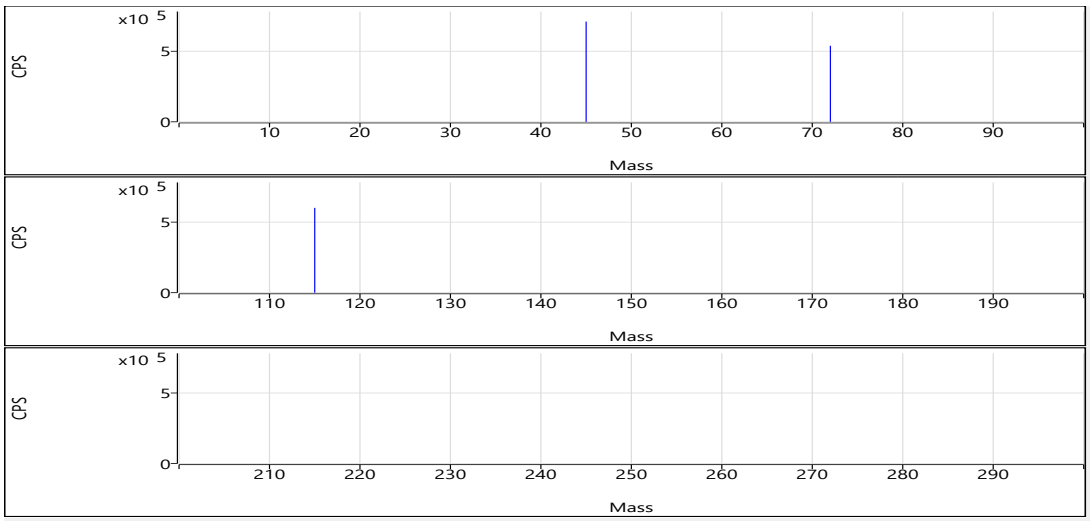
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	677263.35	0.9	99.1	Pulse	0.1000	3
No Gas	Ge	72	352853.04	0.8	97.6	Pulse	0.1000	3
H2	Sc	45	711638.66	2.7	92.0	Pulse	0.1000	3
H2	Ge	72	540153.27	1.5	99.3	Pulse	0.1000	3
H2	In	115	602349.00	1.0	109.2	Pulse	0.1000	3
He	Sc	45	54261.24	1.2	97.2	Pulse	0.1000	3
He	Ge	72	88374.36	0.6	98.9	Pulse	0.1000	3
He	In	115	77076.03	0.8	101.5	Pulse	0.1000	3
He	Tb	159	221156.93	0.3	100.6	Pulse	0.1000	3
He	Bi	209	137316.70	0.2	99.7	Pulse	0.1000	3

No Gas

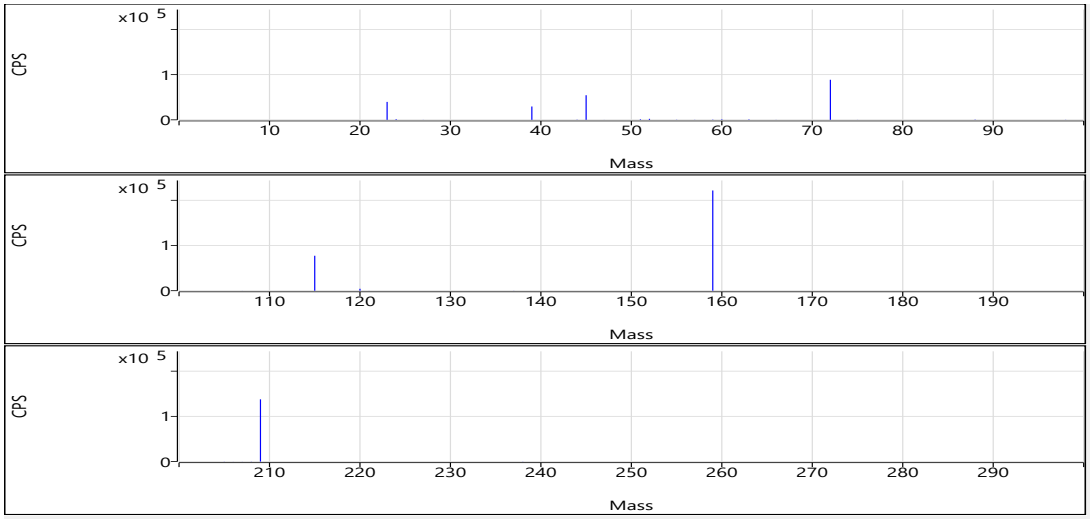


H2



Quantitation Report

He



Quantitation Report

Data File Name	217SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:21:13
Sample Name	410-235349-B-9-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

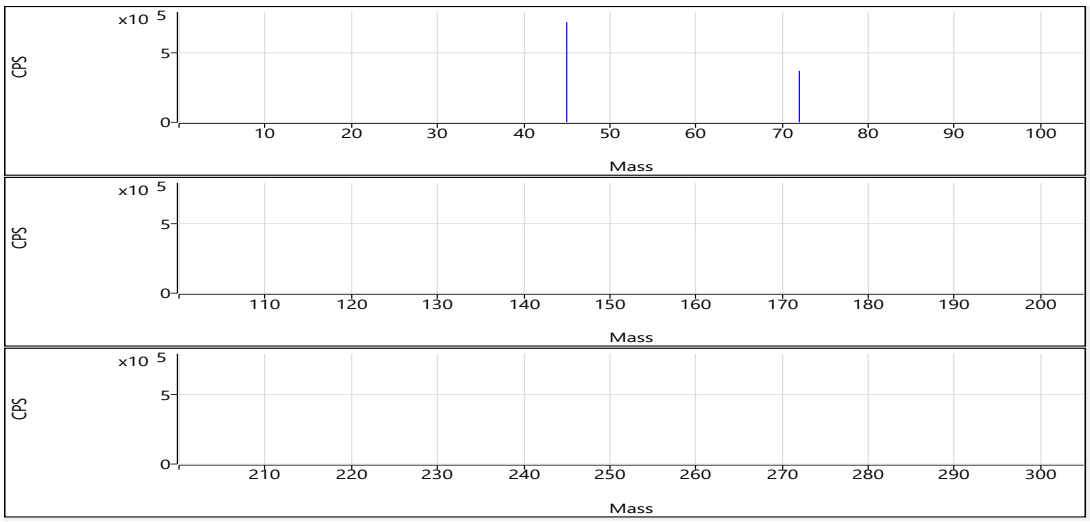
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.064	ppb	N/A	10.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.038	ppb	35.9	16.22	0.0000	Pulse	1.5000	3
Na	23	45	He	3532.698	ppb	2.0	804385.32	14.1029	Pulse	0.1000	3
Mg	24	45	He	2544.666	ppb	1.6	289573.52	5.0767	Pulse	0.1000	3
Al	27	45	He	2.517	ppb	59.1	250.01	0.0044	Pulse	0.1000	3
K	39	45	He	120.770	ppb	17.9	41990.60	0.7362	Pulse	0.1000	3
Ca	44	45	He	4145.494	ppb	4.3	23596.42	0.4137	Pulse	0.1000	3
Ti	47	45	He	1.012	ppb	51.1	43.33	0.0008	Pulse	0.1000	3
V	51	45	He	0.014	ppb	242.9	979.38	0.0172	Pulse	0.5000	3
Cr	52	72	He	-0.037	ppb	N/A	1963.55	0.0216	Pulse	0.1000	3
Mn	55	45	He	1.561	ppb	7.0	1646.82	0.0289	Pulse	0.1000	3
Fe	57	45	He	0.392	ppb	415.4	260.01	0.0045	Pulse	0.1000	3
Co	59	72	He	0.114	ppb	36.0	556.70	0.0061	Pulse	0.1000	3
Ni	60	115	He	-0.118	ppb	N/A	1060.08	0.0133	Pulse	0.1000	3
Cu	63	115	He	0.282	ppb	22.5	976.74	0.0123	Pulse	0.1000	3
Zn	66	72	He	0.632	ppb	32.2	276.68	0.0030	Pulse	0.1000	3
As	75	72	He	0.139	ppb	46.3	91.33	0.0010	Pulse	0.5000	3
Sr	88	72	He	58.212	ppb	0.1	70327.23	0.7738	Pulse	0.1000	3
Mo	98	72	He	0.032	ppb	27.2	113.34	0.0012	Pulse	0.1000	3
Ag	107	115	He	0.005	ppb	123.7	53.33	0.0007	Pulse	0.1000	3
Cd	111	115	He	0.008	ppb	102.1	6.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.300	ppb	N/A	4054.07	0.0510	Pulse	0.1000	3
Sb	121	115	He	0.031	ppb	53.6	66.67	0.0008	Pulse	0.1000	3
Ba	137	115	He	0.804	ppb	13.4	496.69	0.0062	Pulse	0.1000	3
Tl	205	209	He	0.026	ppb	28.5	223.34	0.0016	Pulse	0.1000	3
Pb	208	209	He	0.033	ppb	17.3	553.36	0.0039	Pulse	0.1000	3
U	238	209	He	0.024	ppb	38.9	296.68	0.0021	Pulse	0.1000	3

ISTD Table:

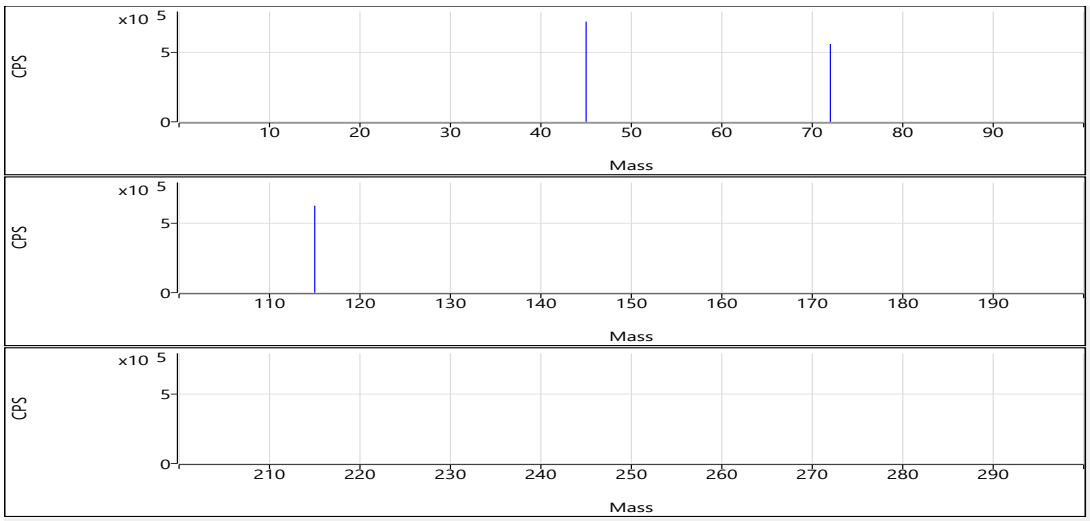
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	719921.37	0.7	105.3	Pulse	0.1000	3
No Gas	Ge	72	368959.75	0.2	102.0	Pulse	0.1000	3
H2	Sc	45	725336.29	4.5	93.8	Pulse	0.1000	3
H2	Ge	72	563200.10	2.2	103.5	Pulse	0.1000	3
H2	In	115	629253.01	1.2	114.1	Pulse	0.1000	3
He	Sc	45	57048.38	1.5	102.2	Pulse	0.1000	3
He	Ge	72	90882.70	0.7	101.8	Pulse	0.1000	3
He	In	115	79514.52	2.8	104.7	Pulse	0.1000	3
He	Tb	159	229442.68	1.6	104.4	Pulse	0.1000	3
He	Bi	209	141642.76	1.1	102.8	Pulse	0.1000	3

No Gas

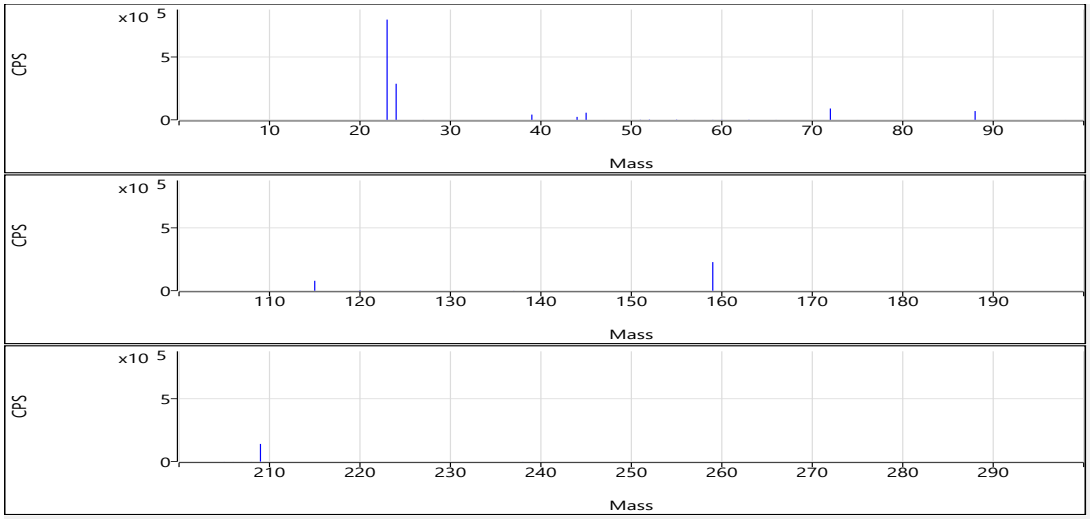


H2



Quantitation Report

He



Quantitation Report

Data File Name	219_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:25:25
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

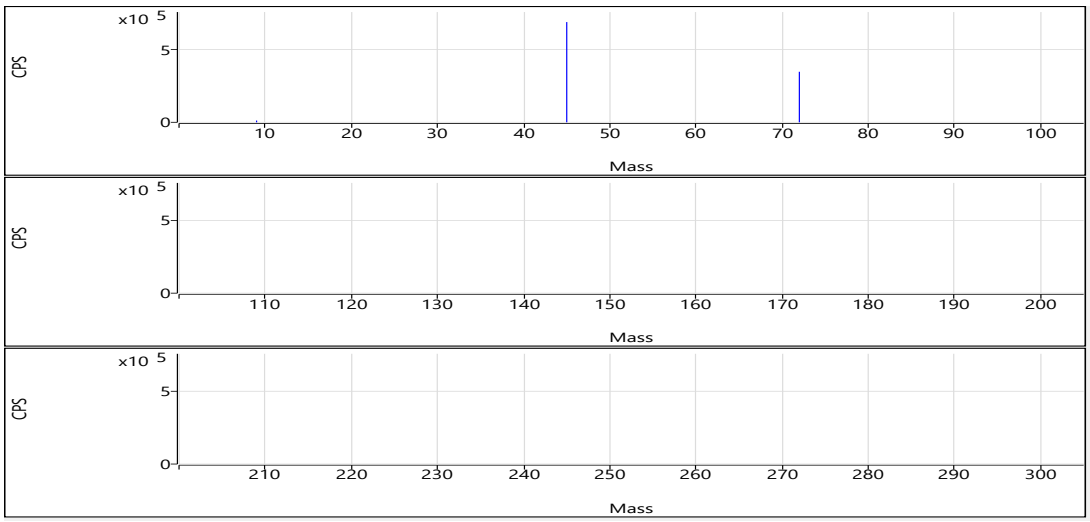
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	57.988	ppb	2.1	11987.50	0.0174	Pulse	0.5000	3
Se	78	72	H2	52.066	ppb	2.6	11179.89	0.0206	Pulse	1.5000	3
Na	23	45	He	5187.301	ppb	2.0	1175337.98	20.5832	Pulse	0.1000	3
Mg	24	45	He	4975.678	ppb	1.9	566238.83	9.9164	Pulse	0.1000	3
Al	27	45	He	4962.870	ppb	2.1	198721.77	3.4801	Pulse	0.1000	3
K	39	45	He	5080.864	ppb	1.4	569085.54	9.9655	Pulse	0.1000	3
Ca	44	45	He	5064.808	ppb	0.5	28808.96	0.5044	Pulse	0.1000	3
Ti	47	45	He	5022.807	ppb	0.7	197529.40	3.4585	Pulse	0.1000	3
V	51	45	He	505.351	ppb	0.9	757511.00	13.2641	Pulse	0.5000	3
Cr	52	72	He	511.518	ppb	0.7	921493.69	10.2434	Pulse	0.1000	3
Mn	55	45	He	506.516	ppb	1.4	451200.93	7.9012	Pulse	0.1000	3
Fe	57	45	He	5031.101	ppb	1.2	180428.95	3.1595	Pulse	0.1000	3
Co	59	72	He	508.898	ppb	0.3	1636303.52	18.1900	Pulse	0.1000	3
Ni	60	115	He	498.186	ppb	1.1	453689.68	5.8089	Pulse	0.1000	3
Cu	63	115	He	498.409	ppb	0.9	1250680.71	16.0136	Pulse	0.1000	3
Zn	66	72	He	513.539	ppb	0.7	149244.20	1.6591	Pulse	0.1000	3
As	75	72	He	520.223	ppb	0.9	117419.09	1.3053	Pulse	0.5000	3
Sr	88	72	He	51.266	ppb	1.0	61343.19	0.6819	Pulse	0.1000	3
Mo	98	72	He	51.926	ppb	0.3	96001.16	1.0672	Pulse	0.1000	3
Ag	107	115	He	50.541	ppb	0.8	182991.73	2.3430	Pulse	0.1000	3
Cd	111	115	He	50.196	ppb	1.2	22901.33	0.2932	Pulse	0.5000	3
Sn	120	115	He	50.633	ppb	1.4	80160.31	1.0262	Pulse	0.1000	3
Sb	121	115	He	50.842	ppb	0.7	67721.53	0.8670	Pulse	0.1000	3
Ba	137	115	He	510.535	ppb	0.8	248406.56	3.1806	Pulse	0.1000	3
Tl	205	209	He	50.442	ppb	1.2	293101.36	2.0466	Pulse	0.1000	3
Pb	208	209	He	49.866	ppb	0.8	385960.59	2.6949	Pulse	0.1000	3
U	238	209	He	49.804	ppb	1.4	373667.62	2.6092	Pulse	0.1000	3

ISTD Table:

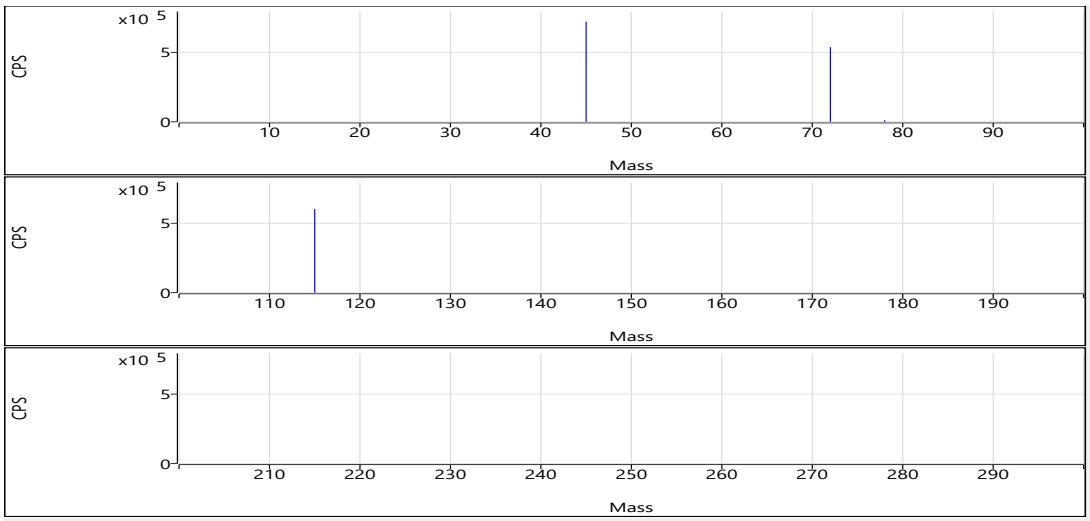
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	688903.90	1.0	100.8	Pulse	0.1000	3
No Gas	Ge	72	347323.89	1.8	96.0	Pulse	0.1000	3
H2	Sc	45	727223.25	0.9	94.0	Pulse	0.1000	3
H2	Ge	72	541693.65	0.8	99.6	Pulse	0.1000	3
H2	In	115	606671.43	0.4	110.0	Pulse	0.1000	3
He	Sc	45	57115.24	1.9	102.3	Pulse	0.1000	3
He	Ge	72	89957.72	0.8	100.7	Pulse	0.1000	3
He	In	115	78106.44	1.3	102.9	Pulse	0.1000	3
He	Tb	159	230625.37	0.9	104.9	Pulse	0.1000	3
He	Bi	209	143229.59	1.6	104.0	Pulse	0.1000	3

No Gas

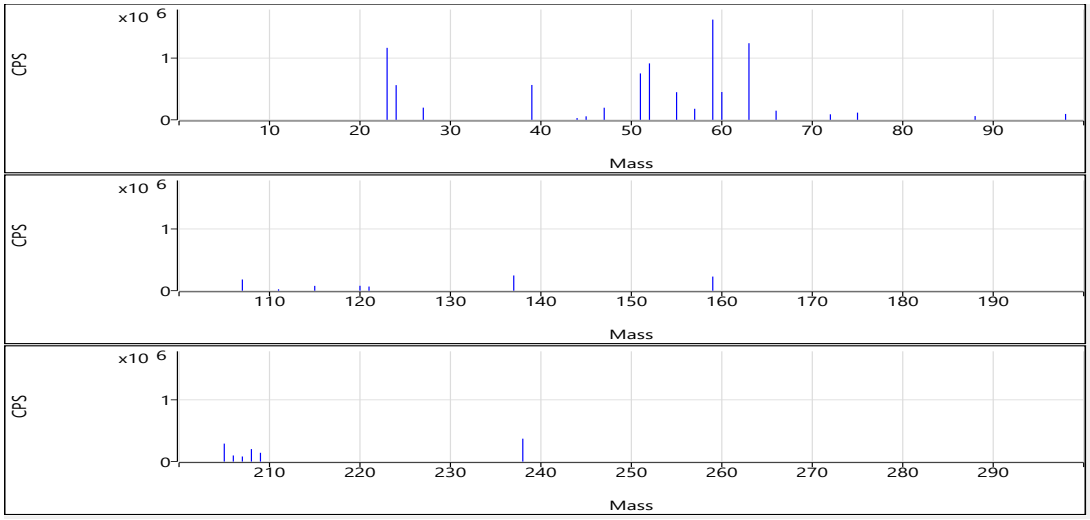


H2



Quantitation Report

He



Quantitation Report

Data File Name	221_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:29:37
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

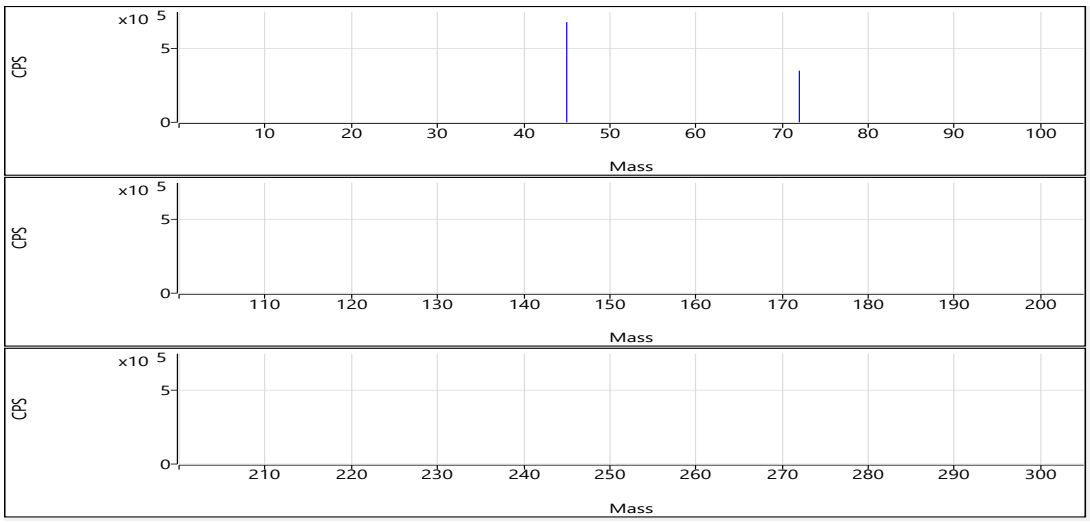
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.000	ppb	25987.6	23.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.123	ppb	26.6	34.22	0.0001	Pulse	1.5000	3
Na	23	45	He	72.435	ppb	3.9	31183.30	0.5507	Pulse	0.1000	3
Mg	24	45	He	6.516	ppb	15.9	1346.77	0.0238	Pulse	0.1000	3
Al	27	45	He	0.457	ppb	279.5	166.67	0.0029	Pulse	0.1000	3
K	39	45	He	5.675	ppb	230.1	29570.29	0.5221	Pulse	0.1000	3
Ca	44	45	He	18.390	ppb	37.6	356.68	0.0063	Pulse	0.1000	3
Ti	47	45	He	2.134	ppb	38.4	86.67	0.0015	Pulse	0.1000	3
V	51	45	He	0.283	ppb	18.4	1372.08	0.0242	Pulse	0.5000	3
Cr	52	72	He	0.096	ppb	108.3	2173.58	0.0242	Pulse	0.1000	3
Mn	55	45	He	0.184	ppb	22.7	420.02	0.0074	Pulse	0.1000	3
Fe	57	45	He	0.376	ppb	509.7	256.68	0.0045	Pulse	0.1000	3
Co	59	72	He	0.191	ppb	13.8	796.72	0.0089	Pulse	0.1000	3
Ni	60	115	He	0.183	ppb	41.2	1320.11	0.0168	Pulse	0.1000	3
Cu	63	115	He	0.278	ppb	8.3	956.73	0.0122	Pulse	0.1000	3
Zn	66	72	He	0.333	ppb	16.3	186.68	0.0021	Pulse	0.1000	3
As	75	72	He	0.453	ppb	18.1	160.67	0.0018	Pulse	0.5000	3
Sr	88	72	He	0.050	ppb	65.0	356.69	0.0040	Pulse	0.1000	3
Mo	98	72	He	0.085	ppb	34.1	210.01	0.0023	Pulse	0.1000	3
Ag	107	115	He	0.011	ppb	105.6	73.34	0.0009	Pulse	0.1000	3
Cd	111	115	He	0.017	ppb	43.9	10.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	0.048	ppb	475.9	4524.24	0.0577	Pulse	0.1000	3
Sb	121	115	He	0.079	ppb	42.3	130.01	0.0017	Pulse	0.1000	3
Ba	137	115	He	0.226	ppb	30.3	206.68	0.0026	Pulse	0.1000	3
Tl	205	209	He	0.039	ppb	20.4	293.35	0.0021	Pulse	0.1000	3
Pb	208	209	He	0.019	ppb	11.9	443.35	0.0031	Pulse	0.1000	3
U	238	209	He	0.034	ppb	5.3	373.35	0.0026	Pulse	0.1000	3

ISTD Table:

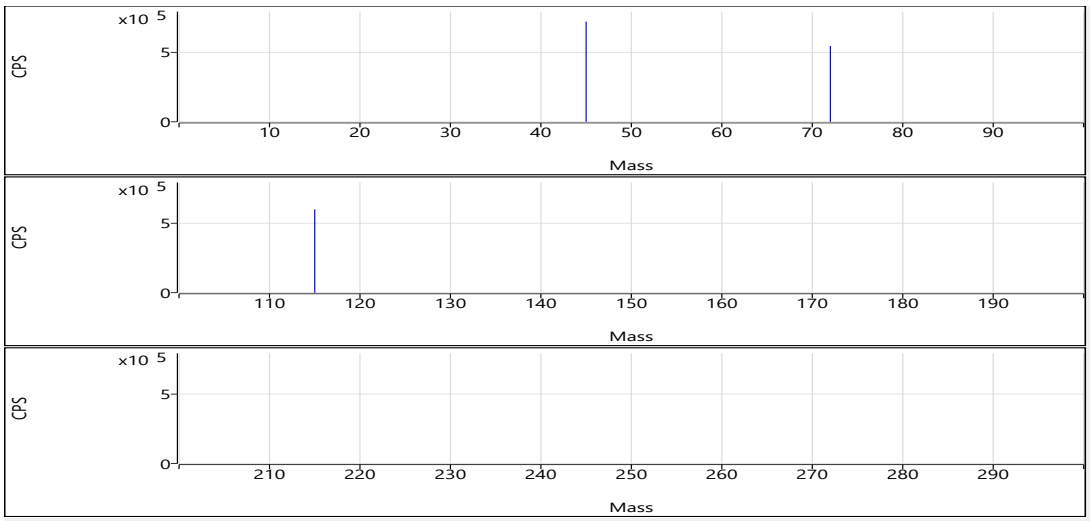
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	681246.06	1.1	99.7	Pulse	0.1000	3
No Gas	Ge	72	351048.58	0.7	97.1	Pulse	0.1000	3
H2	Sc	45	724027.46	0.8	93.6	Pulse	0.1000	3
H2	Ge	72	547626.13	0.7	100.7	Pulse	0.1000	3
H2	In	115	601841.71	0.7	109.1	Pulse	0.1000	3
He	Sc	45	56630.04	0.9	101.5	Pulse	0.1000	3
He	Ge	72	89675.52	0.3	100.4	Pulse	0.1000	3
He	In	115	78465.22	0.9	103.3	Pulse	0.1000	3
He	Tb	159	225231.22	1.0	102.5	Pulse	0.1000	3
He	Bi	209	141389.96	0.5	102.6	Pulse	0.1000	3

No Gas

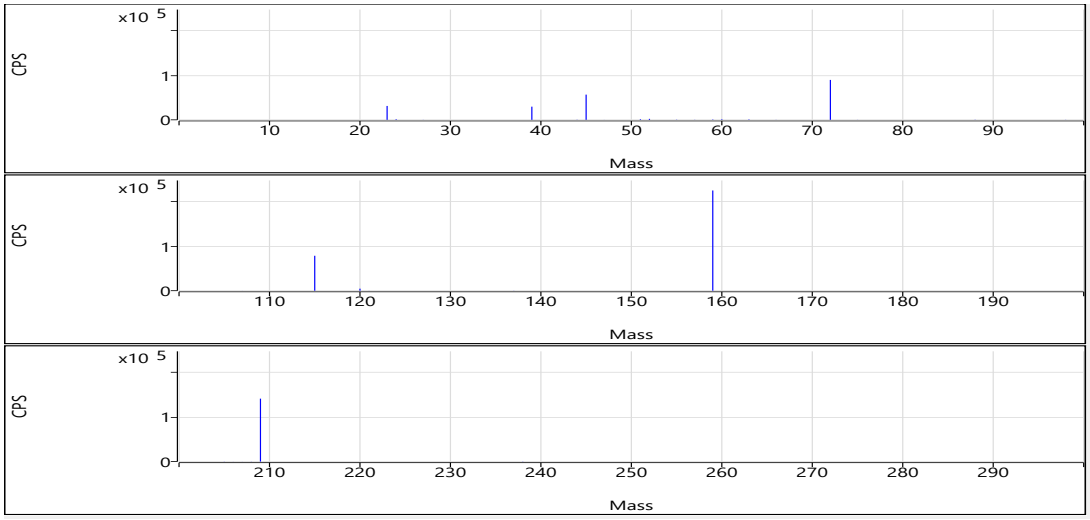


H2



Quantitation Report

He



Quantitation Report

Data File Name	070CALB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 5:55:31 PM
Sample Name	ICIS 8061842
Sample Type	CalBlk
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

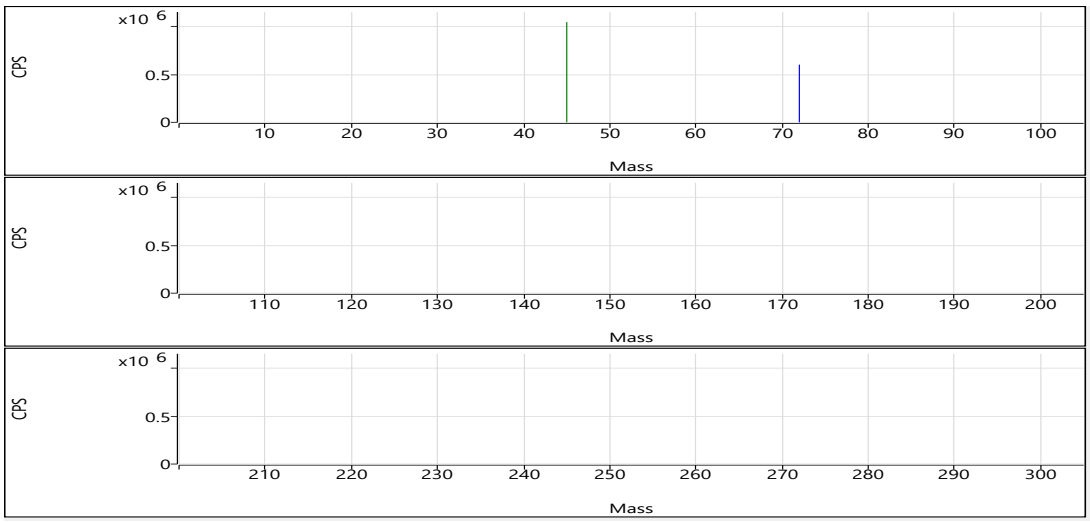
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.000	ug/L	N/A	26.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.000	ppb	N/A	2.22	0.0001	Pulse	1.5000	3
Na	23	72	He	0.000	ug/L	N/A	5654.63	0.2233	Pulse	0.1000	3
Mg	24	72	He	0.000	ug/L	N/A	160.01	0.0063	Pulse	0.1000	3
Al	27	72	He	0.000	ug/L	N/A	46.67	0.0018	Pulse	0.1000	3
K	39	72	He	0.000	ppb	N/A	2023.55	0.0799	Pulse	0.1000	3
Ca	44	72	He	0.000	ppb	N/A	23.33	0.0009	Pulse	0.1000	3
Ti	47	159	He	0.000	ppb	N/A	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.000	ppb	N/A	116.67	0.0046	Pulse	0.5000	3
Cr	52	45	He	0.000	ppb	N/A	503.36	0.0443	Pulse	0.1000	3
Mn	55	45	He	0.000	ppb	N/A	53.34	0.0046	Pulse	0.1000	3
Fe	57	72	He	0.000	ppb	N/A	90.00	0.0036	Pulse	0.1000	3
Co	59	72	He	0.000	ppb	N/A	110.00	0.0043	Pulse	0.1000	3
Ni	60	72	He	0.000	ppb	N/A	153.34	0.0060	Pulse	0.1000	3
Cu	63	72	He	0.000	ppb	N/A	133.34	0.0053	Pulse	0.1000	3
Zn	66	72	He	0.000	ppb	N/A	50.00	0.0020	Pulse	0.1000	3
As	75	45	He	0.000	ppb	N/A	10.67	0.0009	Pulse	0.5000	3
Sr	88	159	He	0.000	ppb	N/A	356.69	0.0020	Pulse	0.1000	3
Mo	98	159	He	0.000	ppb	N/A	60.00	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.000	ppb	N/A	30.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.000	ppb	N/A	3.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	0.000	ppb	N/A	1876.87	0.0106	Pulse	0.1000	3
Sb	121	159	He	0.000	ppb	N/A	13.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	0.000	ppb	N/A	853.40	0.0048	Pulse	0.1000	3
Tl	205	159	He	0.000	ppb	N/A	243.34	0.0014	Pulse	0.1000	3
Pb	208	159	He	0.000	ppb	N/A	163.34	0.0009	Pulse	0.1000	3
U	238	209	He	0.000	ppb	N/A	170.01	0.0013	Pulse	0.1000	3

ISTD Table:

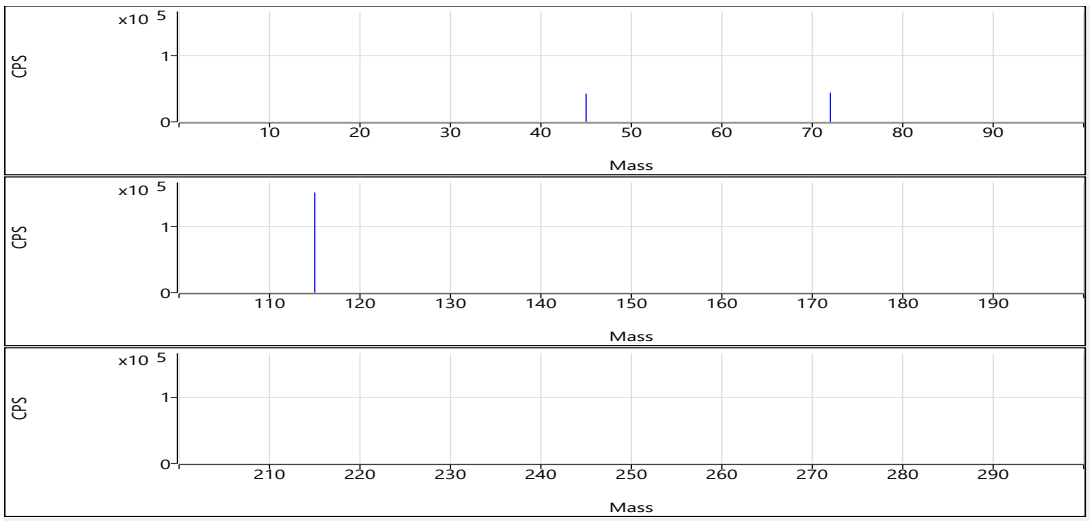
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1045346.00	0.3	100.0	Analog	0.1000	3
No Gas	Ge	72	601317.25	0.1	100.0	Pulse	0.1000	3
H2	Sc	45	42267.43	1.4	100.0	Pulse	0.1000	3
H2	Ge	72	43869.87	0.8	100.0	Pulse	0.1000	3
H2	In	115	150700.23	0.5	100.0	Pulse	0.1000	3
He	Sc	45	11421.63	5.0	100.0	Pulse	0.1000	3
He	Ge	72	25330.46	1.4	100.0	Pulse	0.1000	3
He	In	115	27295.04	0.8	100.0	Pulse	0.1000	3
He	Tb	159	176384.24	0.8	100.0	Pulse	0.1000	3
He	Bi	209	134865.27	1.5	100.0	Pulse	0.1000	3

No Gas

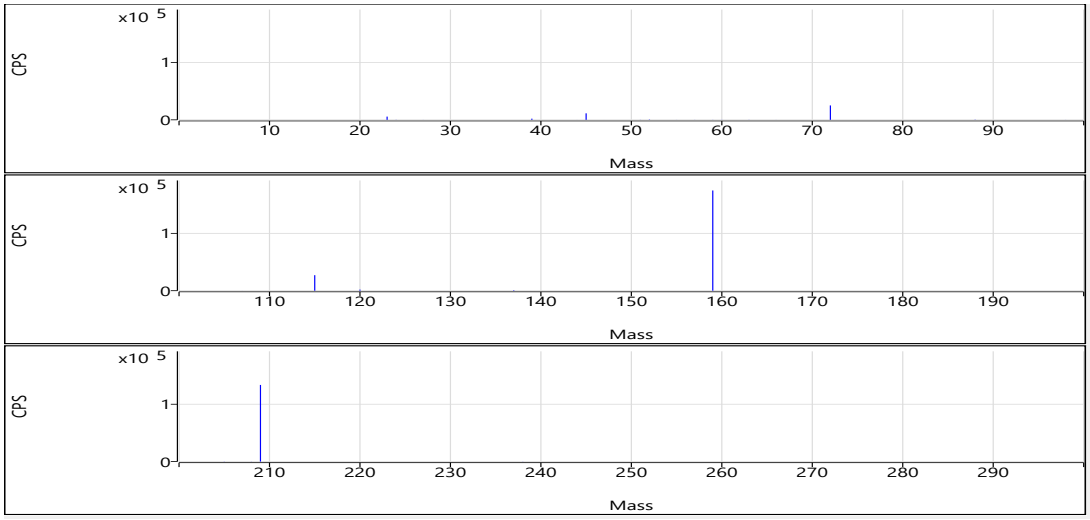


H2



Quantitation Report

He



Quantitation Report

Data File Name	071CALS.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 5:57:31 PM
Sample Name	STD1 8205362
Sample Type	CalStd
Comment	4 if 0.5, 5 if full strength -->
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

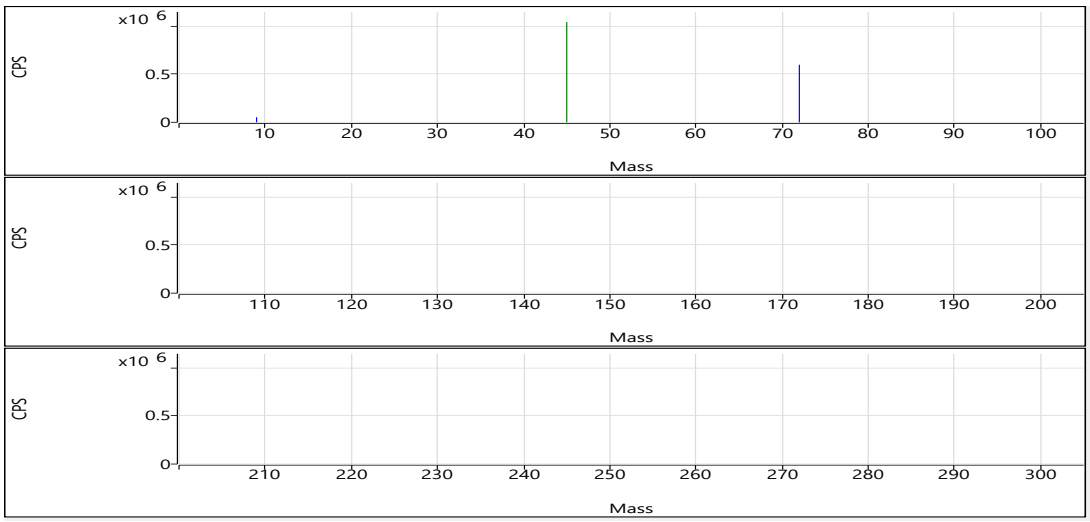
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	100.000	ug/L	0.7	52650.93	0.0504	Pulse	0.5000	3
Se	78	72	H2	100.000	ppb	4.8	2629.59	0.0604	Pulse	1.5000	3
Na	23	72	He	10000.000	ug/L	1.3	455001.87	18.3715	Pulse	0.1000	3
Mg	24	72	He	10000.000	ug/L	0.9	230743.67	9.3163	Pulse	0.1000	3
Al	27	72	He	10000.000	ug/L	1.4	63069.57	2.5465	Pulse	0.1000	3
K	39	72	He	10000.000	ppb	0.6	132678.57	5.3568	Pulse	0.1000	3
Ca	44	72	He	10000.000	ppb	1.6	8652.90	0.3494	Pulse	0.1000	3
Ti	47	159	He	10000.000	ppb	3.0	74701.14	0.4186	Pulse	0.1000	3
V	51	72	He	1000.000	ppb	1.7	389131.95	15.7123	Pulse	0.5000	3
Cr	52	45	He	1000.000	ppb	1.8	540720.55	46.6682	Pulse	0.1000	3
Mn	55	45	He	1000.000	ppb	1.1	202789.94	17.5006	Pulse	0.1000	3
Fe	57	72	He	10000.000	ppb	1.8	109804.66	4.4338	Pulse	0.1000	3
Co	59	72	He	1000.000	ppb	0.7	1268247.82	51.2035	Analog	0.1000	3
Ni	60	72	He	1000.000	ppb	1.2	361862.22	14.6108	Pulse	0.1000	3
Cu	63	72	He	1000.000	ppb	1.0	1072402.93	43.2987	Pulse	0.1000	3
Zn	66	72	He	1000.000	ppb	0.9	96100.88	3.8801	Pulse	0.1000	3
As	75	45	He	1000.000	ppb	1.0	58374.50	5.0377	Pulse	0.5000	3
Sr	88	159	He	100.000	ppb	5.2	24726.23	0.1386	Pulse	0.1000	3
Mo	98	159	He	100.000	ppb	1.5	93449.34	0.5236	Pulse	0.1000	3
Ag	107	159	He	100.000	ppb	1.9	222322.71	1.2457	Pulse	0.1000	3
Cd	111	159	He	100.000	ppb	2.3	21324.10	0.1195	Pulse	0.5000	3
Sn	120	159	He	100.000	ppb	2.3	59083.57	0.3310	Pulse	0.1000	3
Sb	121	159	He	100.000	ppb	3.3	45999.40	0.2578	Pulse	0.1000	3
Ba	137	159	He	1000.000	ppb	1.9	159636.33	0.8945	Pulse	0.1000	3
Tl	205	159	He	100.000	ppb	0.6	565143.94	3.1661	Pulse	0.1000	3
Pb	208	159	He	100.000	ppb	0.5	393762.69	2.2058	Pulse	0.1000	3
U	238	209	He	100.000	ppb	1.0	913643.16	6.6448	Pulse	0.1000	3

ISTD Table:

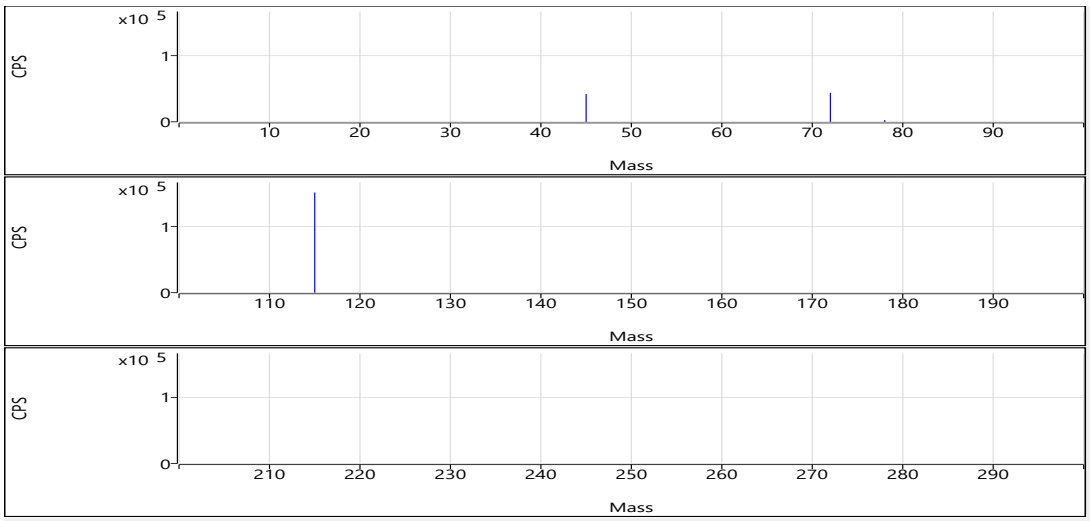
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1044738.14	0.8	99.9	Analog	0.1000	3
No Gas	Ge	72	599939.50	1.1	99.8	Pulse	0.1000	3
H2	Sc	45	41725.87	1.0	98.7	Pulse	0.1000	3
H2	Ge	72	43529.03	1.9	99.2	Pulse	0.1000	3
H2	In	115	150784.96	0.8	100.1	Pulse	0.1000	3
He	Sc	45	11588.52	1.5	101.5	Pulse	0.1000	3
He	Ge	72	24769.53	1.4	97.8	Pulse	0.1000	3
He	In	115	27351.83	1.0	100.2	Pulse	0.1000	3
He	Tb	159	178506.30	1.7	101.2	Pulse	0.1000	3
He	Bi	209	137503.22	2.5	102.0	Pulse	0.1000	3

No Gas

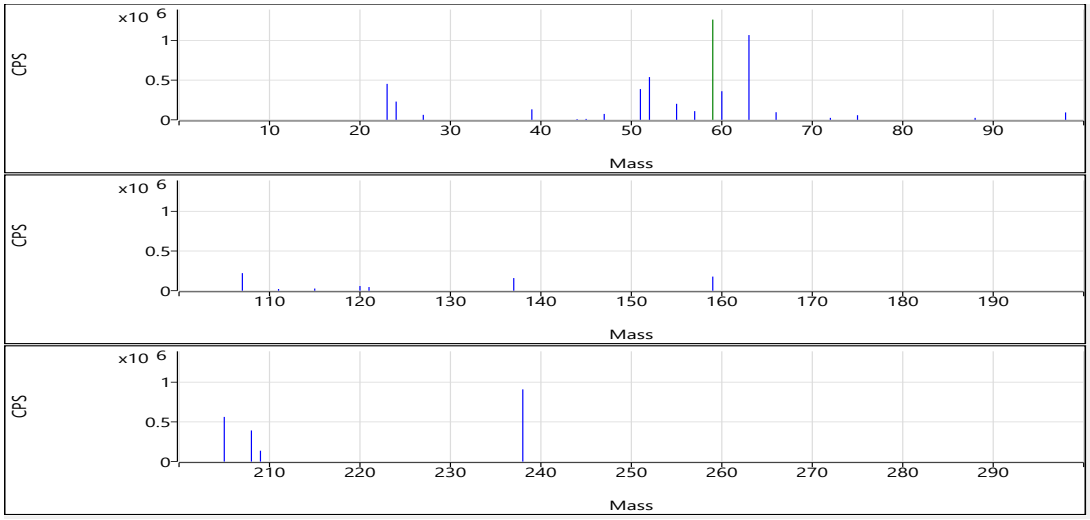


H2



Quantitation Report

He



Quantitation Report

Data File Name	072_ICV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 5:59:32 PM
Sample Name	ICV 8099766
Sample Type	ICV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

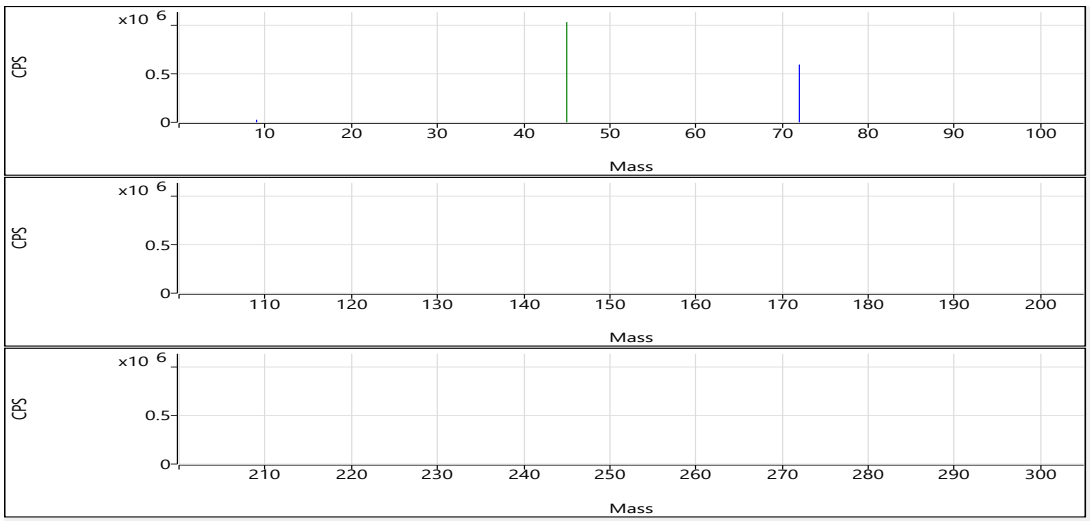
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	50.095	ug/L	0.9	26194.94	0.0253	Pulse	0.5000	3
Se	78	72	H2	49.695	ppb	3.4	1315.85	0.0301	Pulse	1.5000	3
Na	23	72	He	4897.146	ug/L	0.6	229497.53	9.1108	Pulse	0.1000	3
Mg	24	72	He	4915.179	ug/L	0.5	115428.57	4.5824	Pulse	0.1000	3
Al	27	72	He	4943.050	ug/L	1.1	31729.35	1.2597	Pulse	0.1000	3
K	39	72	He	4808.128	ppb	1.4	65920.37	2.6171	Pulse	0.1000	3
Ca	44	72	He	4830.628	ppb	3.5	4264.13	0.1692	Pulse	0.1000	3
Ti	47	159	He	5045.879	ppb	1.5	37554.10	0.2112	Pulse	0.1000	3
V	51	72	He	489.451	ppb	1.4	193768.42	7.6928	Pulse	0.5000	3
Cr	52	45	He	499.666	ppb	4.3	266678.28	23.3407	Pulse	0.1000	3
Mn	55	45	He	510.710	ppb	4.5	102140.50	8.9400	Pulse	0.1000	3
Fe	57	72	He	4836.649	ppb	1.2	54065.02	2.1463	Pulse	0.1000	3
Co	59	72	He	471.461	ppb	0.5	608168.43	24.1428	Pulse	0.1000	3
Ni	60	72	He	497.695	ppb	1.3	183246.05	7.2747	Pulse	0.1000	3
Cu	63	72	He	496.663	ppb	0.8	541763.72	21.5075	Pulse	0.1000	3
Zn	66	72	He	487.860	ppb	2.8	47702.53	1.8940	Pulse	0.1000	3
As	75	45	He	496.826	ppb	4.7	28598.71	2.5033	Pulse	0.5000	3
Sr	88	159	He	50.996	ppb	4.6	12736.37	0.0717	Pulse	0.1000	3
Mo	98	159	He	50.578	ppb	1.9	47098.50	0.2650	Pulse	0.1000	3
Ag	107	159	He	49.537	ppb	1.2	109703.77	0.6172	Pulse	0.1000	3
Cd	111	159	He	54.323	ppb	3.3	11537.63	0.0649	Pulse	0.5000	3
Sn	120	159	He	50.055	ppb	2.4	30395.25	0.1710	Pulse	0.1000	3
Sb	121	159	He	52.814	ppb	1.7	24205.80	0.1362	Pulse	0.1000	3
Ba	137	159	He	499.543	ppb	1.7	79855.84	0.4493	Pulse	0.1000	3
Tl	205	159	He	49.260	ppb	1.7	277373.64	1.5603	Pulse	0.1000	3
Pb	208	159	He	50.118	ppb	0.8	196610.30	1.1059	Pulse	0.1000	3
U	238	209	He	50.985	ppb	1.7	462810.62	3.3885	Pulse	0.1000	3

ISTD Table:

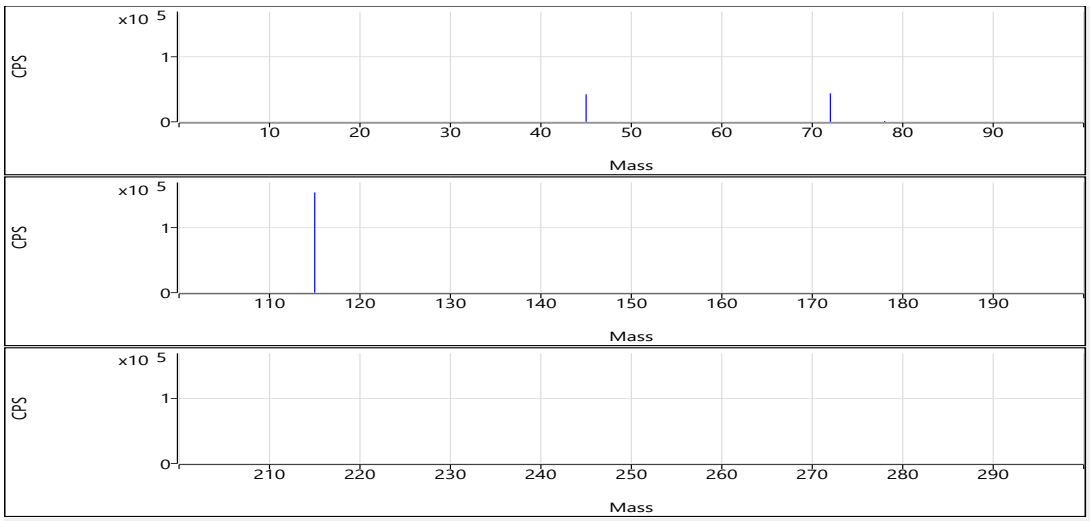
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1037042.09	0.3	99.2	Analog	0.1000	3
No Gas	Ge	72	597582.12	0.6	99.4	Pulse	0.1000	3
H2	Sc	45	42354.57	2.3	100.2	Pulse	0.1000	3
H2	Ge	72	43783.22	0.6	99.8	Pulse	0.1000	3
H2	In	115	154280.72	1.2	102.4	Pulse	0.1000	3
He	Sc	45	11441.72	4.9	100.2	Pulse	0.1000	3
He	Ge	72	25190.20	0.8	99.4	Pulse	0.1000	3
He	In	115	27582.20	1.3	101.1	Pulse	0.1000	3
He	Tb	159	177770.07	1.3	100.8	Pulse	0.1000	3
He	Bi	209	136582.55	0.6	101.3	Pulse	0.1000	3

No Gas

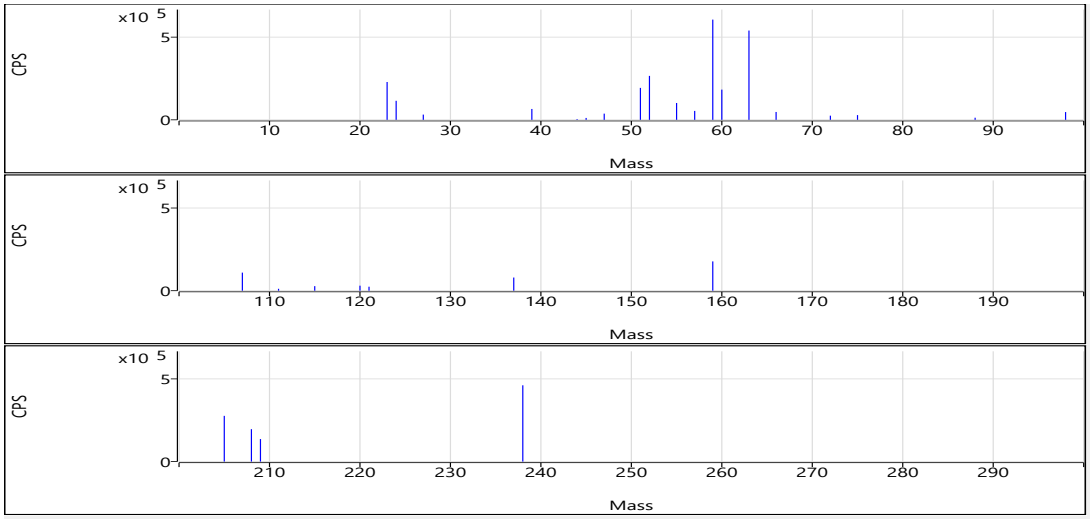


H2



Quantitation Report

He



Quantitation Report

Data File Name	074_ICB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 6:03:34 PM
Sample Name	ICB 8061842
Sample Type	ICB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

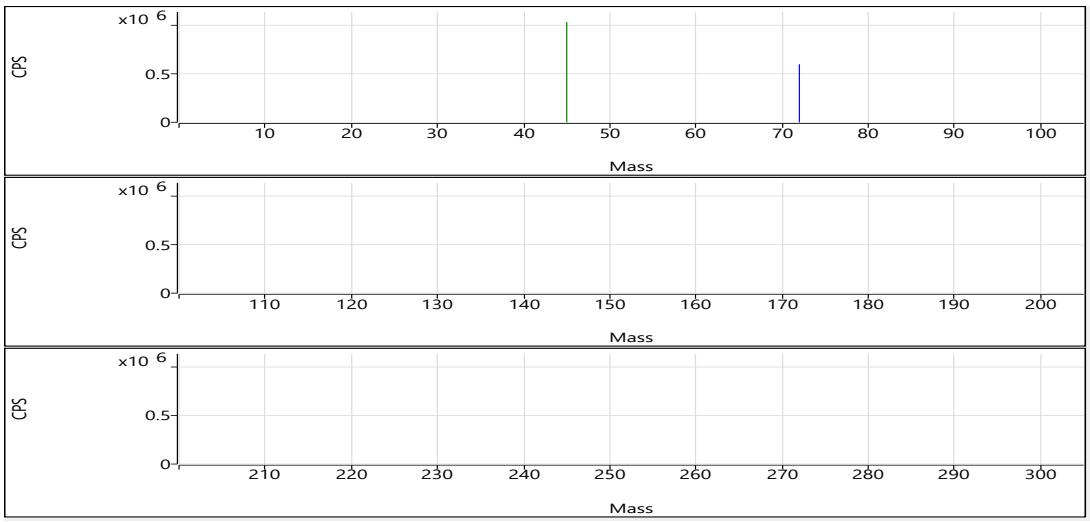
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.008	ug/L	247.7	30.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.075	ppb	N/A	0.22	0.0000	Pulse	1.5000	3
Na	23	72	He	1.784	ug/L	459.0	5674.65	0.2266	Pulse	0.1000	3
Mg	24	72	He	-1.265	ug/L	N/A	130.01	0.0051	Pulse	0.1000	3
Al	27	72	He	-2.012	ug/L	N/A	33.33	0.0013	Pulse	0.1000	3
K	39	72	He	-5.043	ppb	N/A	1936.88	0.0772	Pulse	0.1000	3
Ca	44	72	He	63.124	ppb	96.4	76.67	0.0031	Pulse	0.1000	3
Ti	47	159	He	0.000	ppb	925460.0	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.043	ppb	97.7	132.00	0.0053	Pulse	0.5000	3
Cr	52	45	He	-0.171	ppb	N/A	406.69	0.0363	Pulse	0.1000	3
Mn	55	45	He	0.010	ppb	1050.3	53.33	0.0047	Pulse	0.1000	3
Fe	57	72	He	4.154	ppb	132.7	133.34	0.0054	Pulse	0.1000	3
Co	59	72	He	0.022	ppb	146.4	136.67	0.0054	Pulse	0.1000	3
Ni	60	72	He	0.079	ppb	90.5	180.01	0.0072	Pulse	0.1000	3
Cu	63	72	He	0.018	ppb	265.0	153.34	0.0061	Pulse	0.1000	3
Zn	66	72	He	-0.201	ppb	N/A	30.00	0.0012	Pulse	0.1000	3
As	75	45	He	-0.077	ppb	N/A	6.00	0.0005	Pulse	0.5000	3
Sr	88	159	He	-0.032	ppb	N/A	350.02	0.0020	Pulse	0.1000	3
Mo	98	159	He	0.010	ppb	272.3	70.00	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.007	ppb	32.3	46.67	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.003	ppb	6.8	4.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.085	ppb	N/A	1836.86	0.0104	Pulse	0.1000	3
Sb	121	159	He	0.022	ppb	210.8	23.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	0.182	ppb	170.7	886.73	0.0050	Pulse	0.1000	3
Tl	205	159	He	-0.010	ppb	N/A	190.01	0.0011	Pulse	0.1000	3
Pb	208	159	He	-0.005	ppb	N/A	143.34	0.0008	Pulse	0.1000	3
U	238	209	He	-0.001	ppb	N/A	166.68	0.0012	Pulse	0.1000	3

ISTD Table:

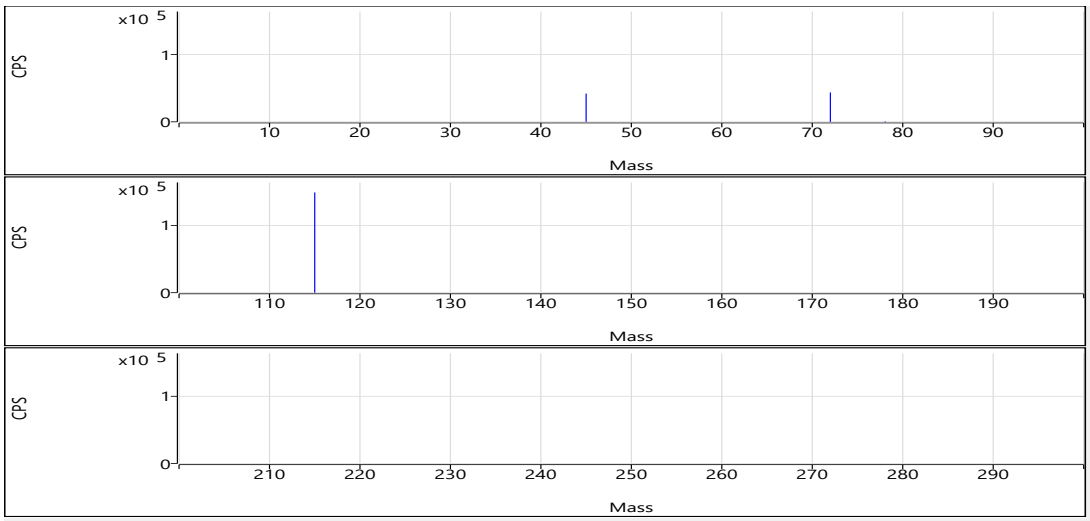
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1033252.12	0.7	98.8	Analog	0.1000	3
No Gas	Ge	72	597976.94	0.6	99.4	Pulse	0.1000	3
H2	Sc	45	42153.78	0.4	99.7	Pulse	0.1000	3
H2	Ge	72	43900.31	0.6	100.1	Pulse	0.1000	3
H2	In	115	149645.73	0.8	99.3	Pulse	0.1000	3
He	Sc	45	11208.21	1.7	98.1	Pulse	0.1000	3
He	Ge	72	25103.51	5.6	99.1	Pulse	0.1000	3
He	In	115	26606.99	3.1	97.5	Pulse	0.1000	3
He	Tb	159	177154.89	1.1	100.4	Pulse	0.1000	3
He	Bi	209	136485.03	0.9	101.2	Pulse	0.1000	3

No Gas

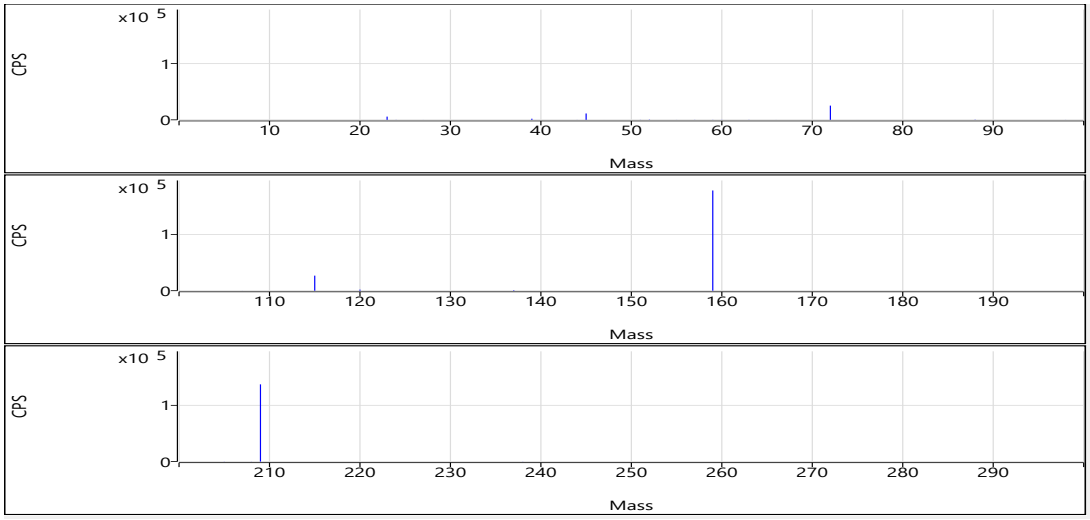


H2



Quantitation Report

He



Quantitation Report

Data File Name	076_LLC.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 6:07:36 PM
Sample Name	CRI 8216529
Sample Type	CRI
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

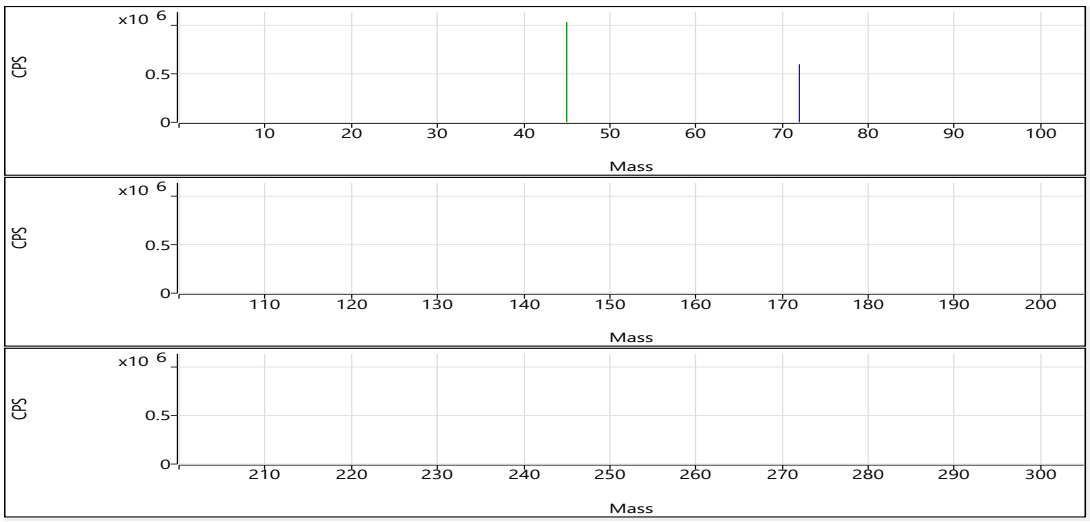
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.464	ug/L	12.5	268.67	0.0003	Pulse	0.5000	3
Se	78	72	H2	0.842	ppb	14.3	24.44	0.0006	Pulse	1.5000	3
Na	23	72	He	179.475	ug/L	4.5	13943.97	0.5490	Pulse	0.1000	3
Mg	24	72	He	42.566	ug/L	4.1	1166.76	0.0459	Pulse	0.1000	3
Al	27	72	He	26.399	ug/L	45.2	216.68	0.0086	Pulse	0.1000	3
K	39	72	He	198.214	ppb	3.8	4687.61	0.1845	Pulse	0.1000	3
Ca	44	72	He	94.228	ppb	15.9	106.67	0.0042	Pulse	0.1000	3
Ti	47	159	He	9.951	ppb	24.4	80.00	0.0005	Pulse	0.1000	3
V	51	72	He	1.954	ppb	6.6	896.03	0.0353	Pulse	0.5000	3
Cr	52	45	He	1.996	ppb	8.1	1593.48	0.1373	Pulse	0.1000	3
Mn	55	45	He	1.875	ppb	20.8	433.36	0.0374	Pulse	0.1000	3
Fe	57	72	He	49.751	ppb	4.9	650.04	0.0256	Pulse	0.1000	3
Co	59	72	He	0.423	ppb	9.4	660.04	0.0260	Pulse	0.1000	3
Ni	60	72	He	0.933	ppb	32.1	500.03	0.0197	Pulse	0.1000	3
Cu	63	72	He	1.037	ppb	10.5	1273.44	0.0502	Pulse	0.1000	3
Zn	66	72	He	9.223	ppb	9.1	960.07	0.0377	Pulse	0.1000	3
As	75	45	He	1.918	ppb	14.8	122.67	0.0106	Pulse	0.5000	3
Sr	88	159	He	1.125	ppb	31.5	626.71	0.0036	Pulse	0.1000	3
Mo	98	159	He	0.434	ppb	13.4	460.02	0.0026	Pulse	0.1000	3
Ag	107	159	He	0.511	ppb	12.7	1153.43	0.0065	Pulse	0.1000	3
Cd	111	159	He	0.532	ppb	16.1	115.33	0.0007	Pulse	0.5000	3
Sn	120	159	He	1.683	ppb	21.7	2827.07	0.0160	Pulse	0.1000	3
Sb	121	159	He	1.078	ppb	15.1	503.36	0.0029	Pulse	0.1000	3
Ba	137	159	He	2.192	ppb	33.6	1196.77	0.0068	Pulse	0.1000	3
Tl	205	159	He	0.486	ppb	2.0	2953.80	0.0168	Pulse	0.1000	3
Pb	208	159	He	0.537	ppb	4.3	2250.29	0.0128	Pulse	0.1000	3
U	238	209	He	0.997	ppb	5.7	9273.91	0.0675	Pulse	0.1000	3

ISTD Table:

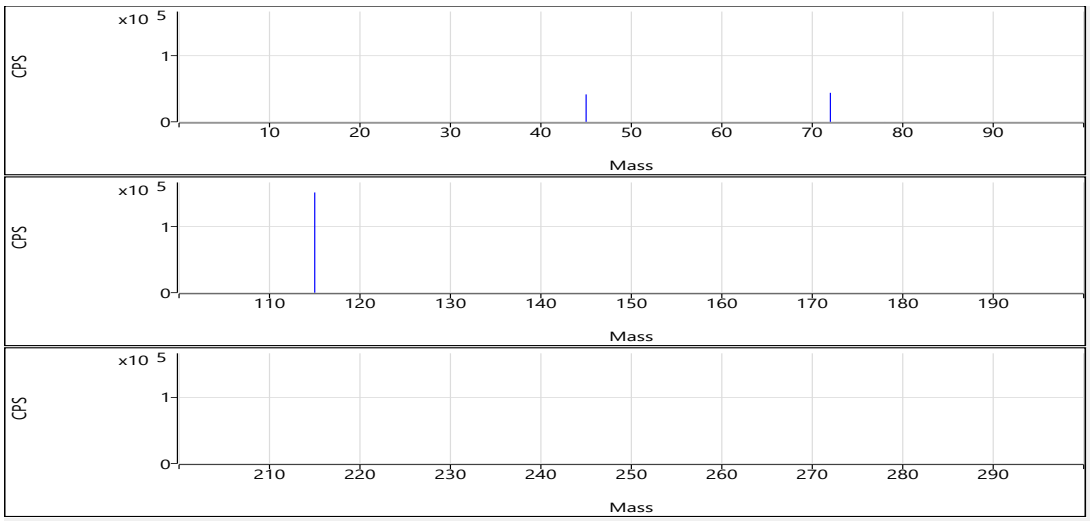
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1038150.82	0.2	99.3	Analog	0.1000	3
No Gas	Ge	72	601527.30	0.3	100.0	Pulse	0.1000	3
H2	Sc	45	41311.15	0.1	97.7	Pulse	0.1000	3
H2	Ge	72	43696.54	1.1	99.6	Pulse	0.1000	3
H2	In	115	151031.07	0.6	100.2	Pulse	0.1000	3
He	Sc	45	11615.12	3.0	101.7	Pulse	0.1000	3
He	Ge	72	25407.36	2.5	100.3	Pulse	0.1000	3
He	In	115	26720.54	0.8	97.9	Pulse	0.1000	3
He	Tb	159	176273.54	0.8	99.9	Pulse	0.1000	3
He	Bi	209	137381.26	2.5	101.9	Pulse	0.1000	3

No Gas

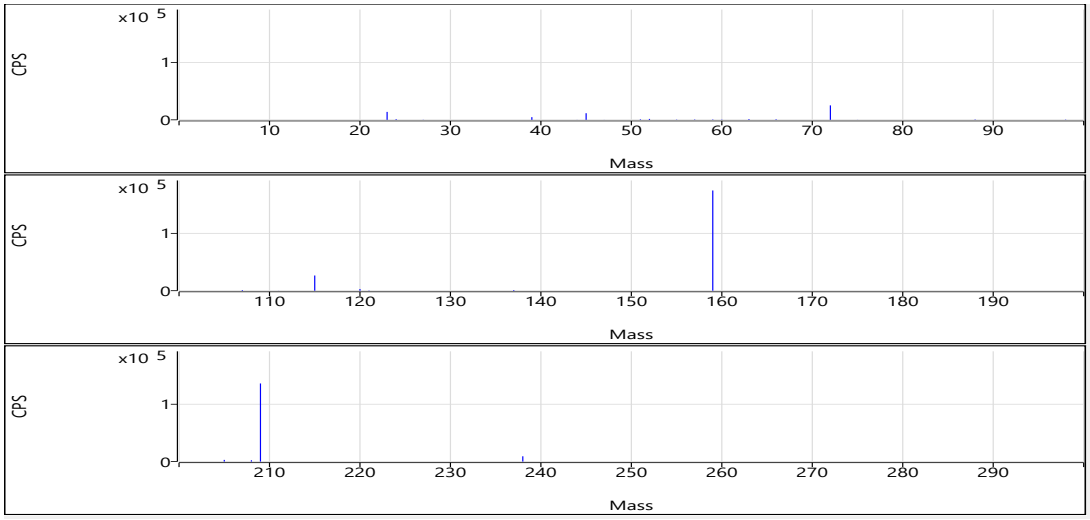


H2



Quantitation Report

He



Quantitation Report

Data File Name	077ICSA.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 6:23:20 PM
Sample Name	ICSA 8183842
Sample Type	ICSA
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

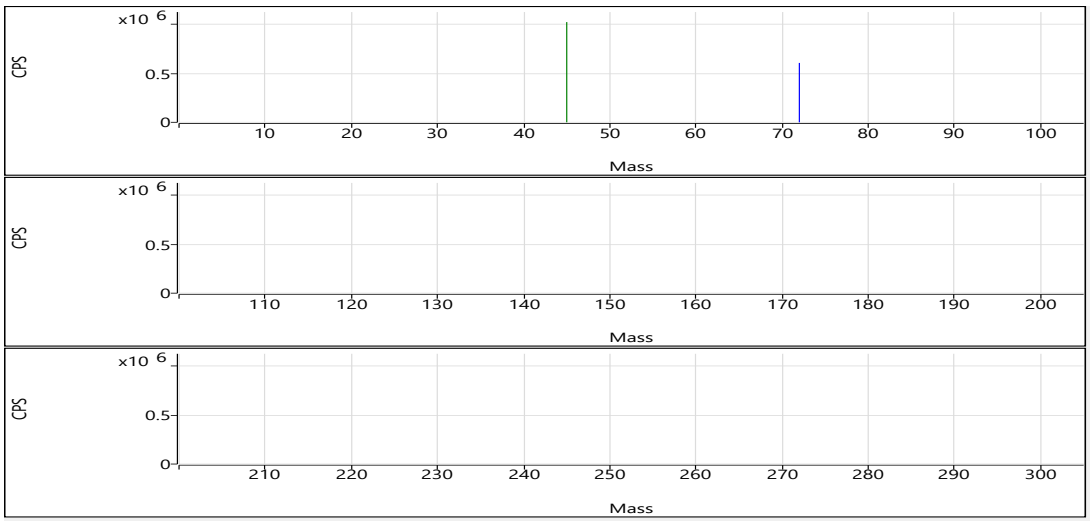
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.011	ug/L	N/A	20.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.046	ppb	6.5	3.33	0.0001	Pulse	1.5000	3
Na	23	72	He	236135.519	ug/L	0.4	10538729.42	428.7674	Analog	0.1000	3
Mg	24	72	He	94816.390	ug/L	0.4	2169874.66	88.2806	Analog	0.1000	3
Al	27	72	He	97127.781	ug/L	0.6	607538.90	24.7173	Pulse	0.1000	3
K	39	72	He	95639.119	ppb	0.5	1242403.83	50.5473	Analog	0.1000	3
Ca	44	72	He	278367.057	ppb	0.3	238438.89	9.7009	Pulse	0.1000	3
Ti	47	159	He	1955.449	ppb	1.4	14164.16	0.0819	Pulse	0.1000	3
V	51	72	He	0.040	ppb	61.8	128.67	0.0052	Pulse	0.5000	3
Cr	52	45	He	3.419	ppb	17.2	2330.28	0.2037	Pulse	0.1000	3
Mn	55	45	He	0.666	ppb	26.6	186.68	0.0162	Pulse	0.1000	3
Fe	57	72	He	230665.380	ppb	0.4	2511841.16	102.1936	Analog	0.1000	3
Co	59	72	He	0.193	ppb	6.7	350.02	0.0142	Pulse	0.1000	3
Ni	60	72	He	0.264	ppb	16.8	243.34	0.0099	Pulse	0.1000	3
Cu	63	72	He	0.082	ppb	64.3	216.68	0.0088	Pulse	0.1000	3
Zn	66	72	He	1.940	ppb	22.7	233.35	0.0095	Pulse	0.1000	3
As	75	45	He	0.245	ppb	45.8	24.67	0.0022	Pulse	0.5000	3
Sr	88	159	He	2.390	ppb	17.4	913.40	0.0053	Pulse	0.1000	3
Mo	98	159	He	2030.129	ppb	0.9	1837360.24	10.6226	Analog	0.1000	3
Ag	107	159	He	0.006	ppb	36.9	43.33	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.235	ppb	16.3	52.00	0.0003	Pulse	0.5000	3
Sn	120	159	He	0.118	ppb	147.1	1906.87	0.0110	Pulse	0.1000	3
Sb	121	159	He	0.233	ppb	46.7	116.67	0.0007	Pulse	0.1000	3
Ba	137	159	He	0.641	ppb	84.1	936.74	0.0054	Pulse	0.1000	3
Tl	205	159	He	-0.022	ppb	N/A	116.67	0.0007	Pulse	0.1000	3
Pb	208	159	He	0.099	ppb	17.9	536.70	0.0031	Pulse	0.1000	3
U	238	209	He	0.005	ppb	26.7	203.34	0.0016	Pulse	0.1000	3

ISTD Table:

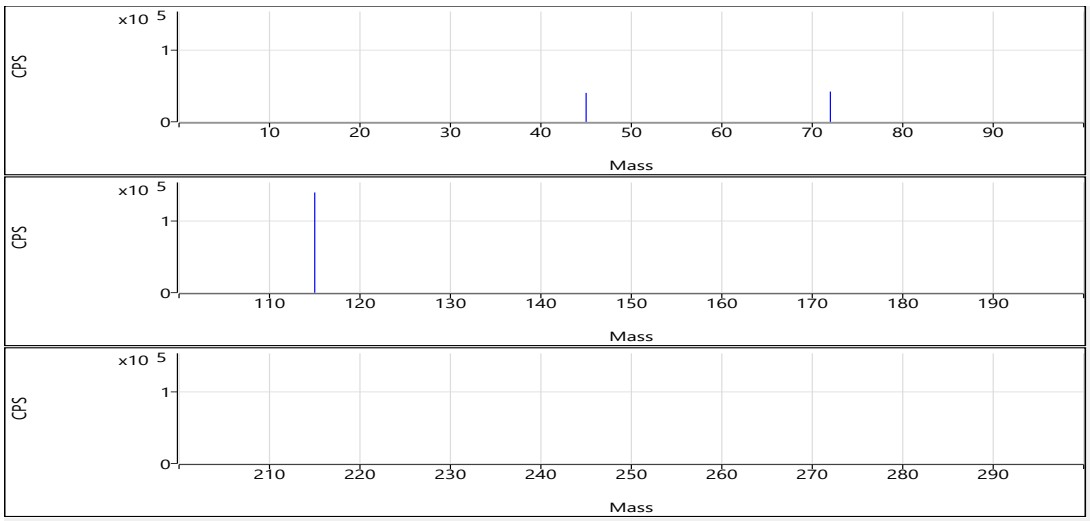
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1025987.51	0.8	98.1	Analog	0.1000	3
No Gas	Ge	72	607815.79	0.2	101.1	Pulse	0.1000	3
H2	Sc	45	40512.27	2.5	95.8	Pulse	0.1000	3
H2	Ge	72	42388.93	2.3	96.6	Pulse	0.1000	3
H2	In	115	140420.09	0.7	93.2	Pulse	0.1000	3
He	Sc	45	11471.73	4.7	100.4	Pulse	0.1000	3
He	Ge	72	24579.21	0.3	97.0	Pulse	0.1000	3
He	In	115	26500.02	1.3	97.1	Pulse	0.1000	3
He	Tb	159	172980.69	1.5	98.1	Pulse	0.1000	3
He	Bi	209	126203.74	1.7	93.6	Pulse	0.1000	3

No Gas

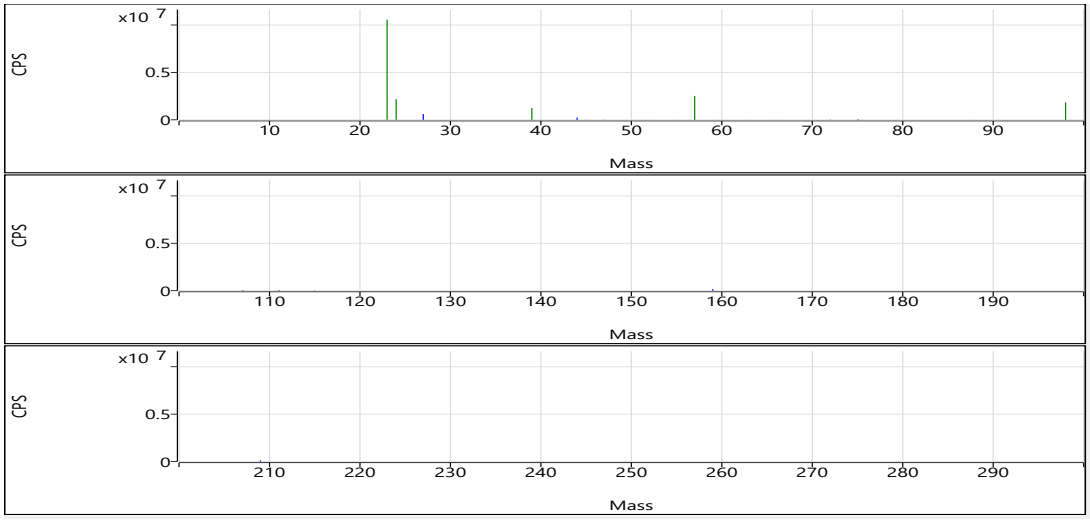


H2



Quantitation Report

He



Quantitation Report

Data File Name	078ICSB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 6:25:21 PM
Sample Name	ICSAB 8053045
Sample Type	ICSAB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

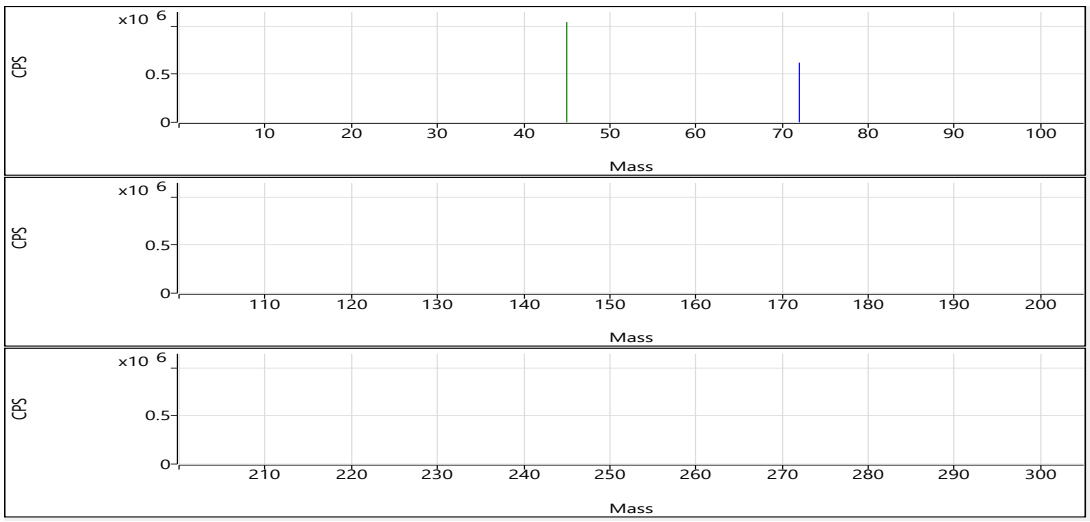
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.014	ug/L	N/A	18.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	96.688	ppb	1.9	2592.47	0.0584	Pulse	1.5000	3
Na	23	72	He	241027.804	ug/L	1.9	11068178.17	437.6460	Analog	0.1000	3
Mg	24	72	He	96590.467	ug/L	1.3	2274602.62	89.9323	Analog	0.1000	3
Al	27	72	He	98350.340	ug/L	1.9	632975.72	25.0284	Pulse	0.1000	3
K	39	72	He	96912.684	ppb	1.6	1295409.22	51.2194	Analog	0.1000	3
Ca	44	72	He	282864.767	ppb	1.5	249312.59	9.8576	Pulse	0.1000	3
Ti	47	159	He	2099.127	ppb	4.8	15462.31	0.0879	Pulse	0.1000	3
V	51	72	He	197.921	ppb	1.5	78745.34	3.1135	Pulse	0.5000	3
Cr	52	45	He	195.091	ppb	0.9	107875.05	9.1402	Pulse	0.1000	3
Mn	55	45	He	188.240	ppb	1.5	38924.91	3.2980	Pulse	0.1000	3
Fe	57	72	He	233786.448	ppb	1.4	2619655.48	103.5763	Analog	0.1000	3
Co	59	72	He	184.515	ppb	1.0	239057.71	9.4514	Pulse	0.1000	3
Ni	60	72	He	187.490	ppb	1.4	69409.04	2.7443	Pulse	0.1000	3
Cu	63	72	He	187.477	ppb	2.2	205391.72	8.1218	Pulse	0.1000	3
Zn	66	72	He	94.407	ppb	3.7	9310.15	0.3681	Pulse	0.1000	3
As	75	45	He	95.170	ppb	2.7	5668.53	0.4803	Pulse	0.5000	3
Sr	88	159	He	3.225	ppb	18.2	1130.09	0.0064	Pulse	0.1000	3
Mo	98	159	He	2087.125	ppb	2.0	1921431.75	10.9209	Analog	0.1000	3
Ag	107	159	He	47.761	ppb	2.9	104695.90	0.5951	Pulse	0.1000	3
Cd	111	159	He	96.575	ppb	2.0	20303.21	0.1154	Pulse	0.5000	3
Sn	120	159	He	-0.140	ppb	N/A	1793.52	0.0102	Pulse	0.1000	3
Sb	121	159	He	0.177	ppb	26.3	93.34	0.0005	Pulse	0.1000	3
Ba	137	159	He	-0.249	ppb	N/A	813.39	0.0046	Pulse	0.1000	3
Tl	205	159	He	-0.017	ppb	N/A	146.68	0.0008	Pulse	0.1000	3
Pb	208	159	He	0.104	ppb	29.6	566.71	0.0032	Pulse	0.1000	3
U	238	209	He	0.008	ppb	19.5	223.34	0.0018	Pulse	0.1000	3

ISTD Table:

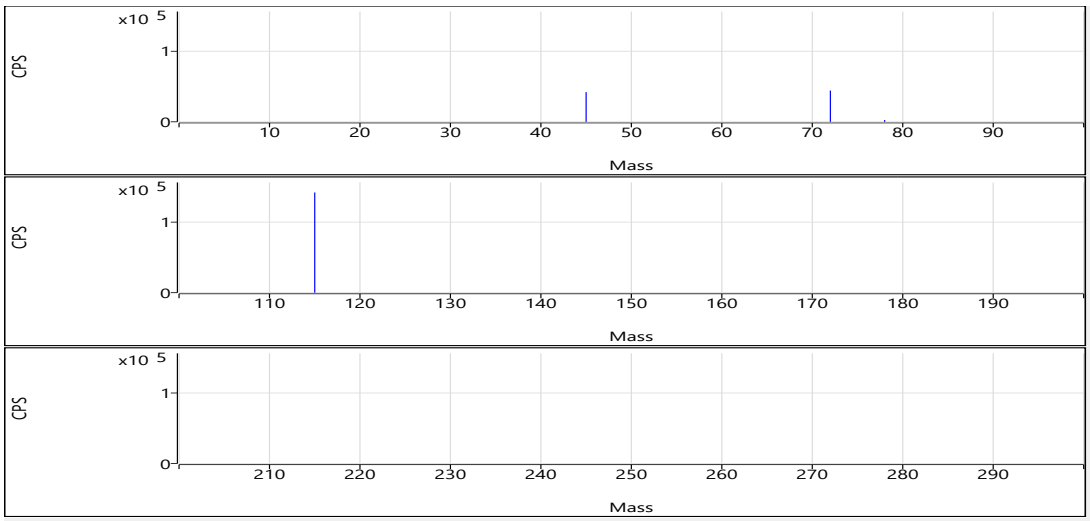
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1042535.50	1.0	99.7	Analog	0.1000	3
No Gas	Ge	72	620328.27	1.1	103.2	Pulse	0.1000	3
H2	Sc	45	42140.28	2.2	99.7	Pulse	0.1000	3
H2	Ge	72	44374.99	1.0	101.2	Pulse	0.1000	3
H2	In	115	142324.72	1.8	94.4	Pulse	0.1000	3
He	Sc	45	11801.99	1.0	103.3	Pulse	0.1000	3
He	Ge	72	25297.11	2.2	99.9	Pulse	0.1000	3
He	In	115	26787.24	1.8	98.1	Pulse	0.1000	3
He	Tb	159	175972.78	1.4	99.8	Pulse	0.1000	3
He	Bi	209	126216.89	2.0	93.6	Pulse	0.1000	3

No Gas

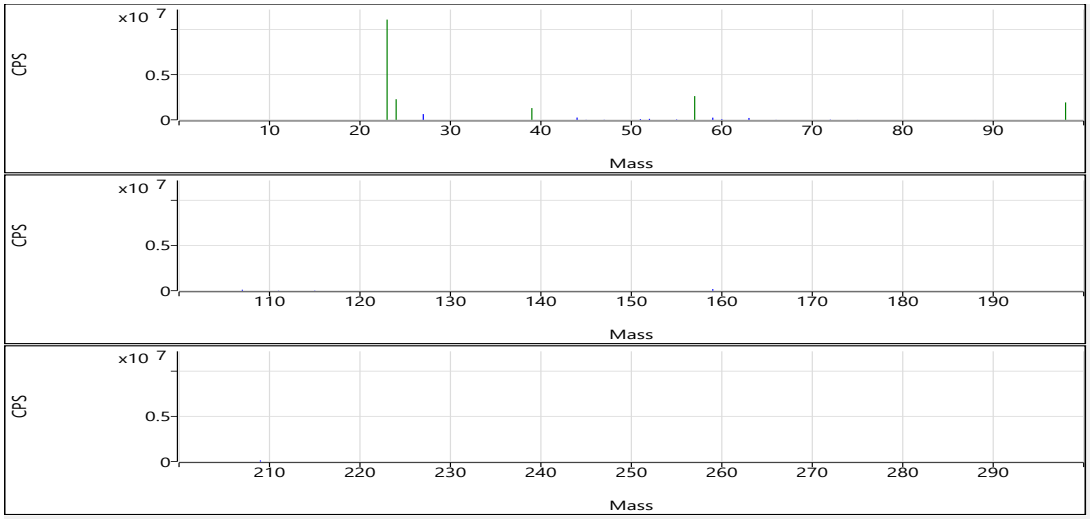


H2



Quantitation Report

He



Quantitation Report

Data File Name	079_LRC.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 6:27:21 PM
Sample Name	LRC 8160221
Sample Type	LRC
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

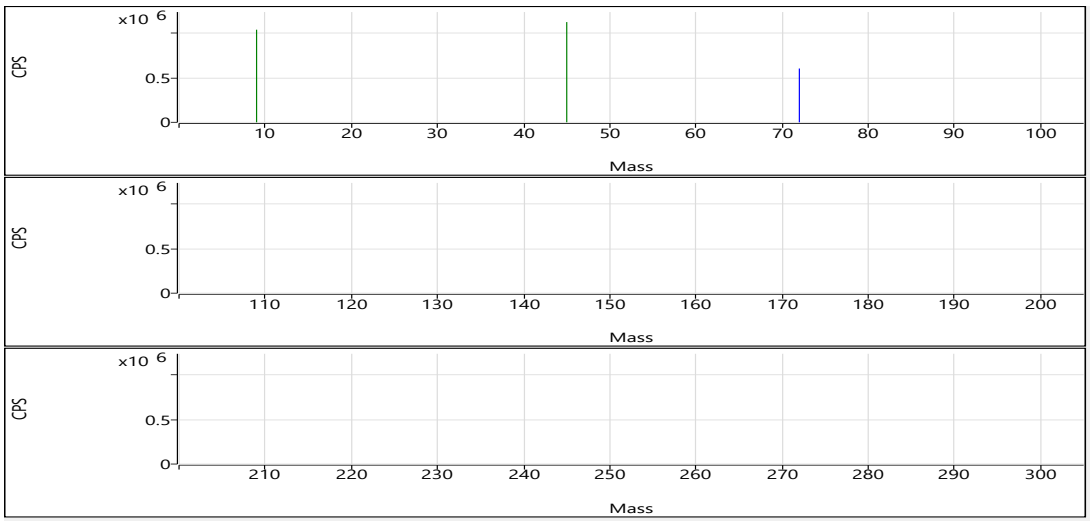
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	1834.386	ug/L	1.7	1039217.87	0.9241	Analog	0.5000	3
Se	78	72	H2	1963.083	ppb	0.7	51301.00	1.1853	Pulse	1.5000	3
Na	23	72	He	190817.390	ug/L	2.7	8622150.70	346.5230	Analog	0.1000	3
Mg	24	72	He	192509.771	ug/L	2.3	4459822.23	179.2333	Analog	0.1000	3
Al	27	72	He	202021.747	ug/L	2.5	1279170.89	51.4091	Analog	0.1000	3
K	39	72	He	193634.319	ppb	3.3	2544212.72	102.2580	Analog	0.1000	3
Ca	44	72	He	199746.440	ppb	3.8	173183.46	6.9613	Pulse	0.1000	3
Ti	47	159	He	2106.023	ppb	0.4	15552.36	0.0882	Pulse	0.1000	3
V	51	72	He	1972.266	ppb	2.6	770967.25	30.9844	Pulse	0.5000	3
Cr	52	45	He	1857.121	ppb	2.6	1094539.72	86.6306	Analog	0.1000	3
Mn	55	45	He	5544.438	ppb	2.4	1225722.11	97.0104	Analog	0.1000	3
Fe	57	72	He	150798.858	ppb	2.6	1662378.15	66.8109	Analog	0.1000	3
Co	59	72	He	1839.703	ppb	2.4	2343840.12	94.1956	Analog	0.1000	3
Ni	60	72	He	1873.868	ppb	2.1	681142.46	27.3733	Pulse	0.1000	3
Cu	63	72	He	1902.743	ppb	2.5	2049865.85	82.3815	Analog	0.1000	3
Zn	66	72	He	1882.528	ppb	3.5	181685.25	7.3027	Pulse	0.1000	3
As	75	45	He	1836.691	ppb	2.0	116906.88	9.2519	Pulse	0.5000	3
Sr	88	159	He	2013.484	ppb	0.9	485279.51	2.7517	Pulse	0.1000	3
Mo	98	159	He	2069.307	ppb	0.3	1909479.09	10.8276	Analog	0.1000	3
Ag	107	159	He	1921.630	ppb	0.2	4220960.04	23.9350	Analog	0.1000	3
Cd	111	159	He	1919.968	ppb	0.1	404519.06	2.2938	Pulse	0.5000	3
Sn	120	159	He	1950.690	ppb	0.5	1104072.87	6.2605	Mix	0.1000	3
Sb	121	159	He	1943.347	ppb	0.7	883242.54	5.0083	Pulse	0.1000	3
Ba	137	159	He	1984.853	ppb	0.4	312252.05	1.7706	Pulse	0.1000	3
Tl	205	159	He	1922.993	ppb	1.4	10731981.51	60.8595	Analog	0.1000	3
Pb	208	159	He	1927.373	ppb	1.7	7493703.43	42.4963	Analog	0.1000	3
U	238	209	He	0.089	ppb	14.8	903.40	0.0072	Pulse	0.1000	3

ISTD Table:

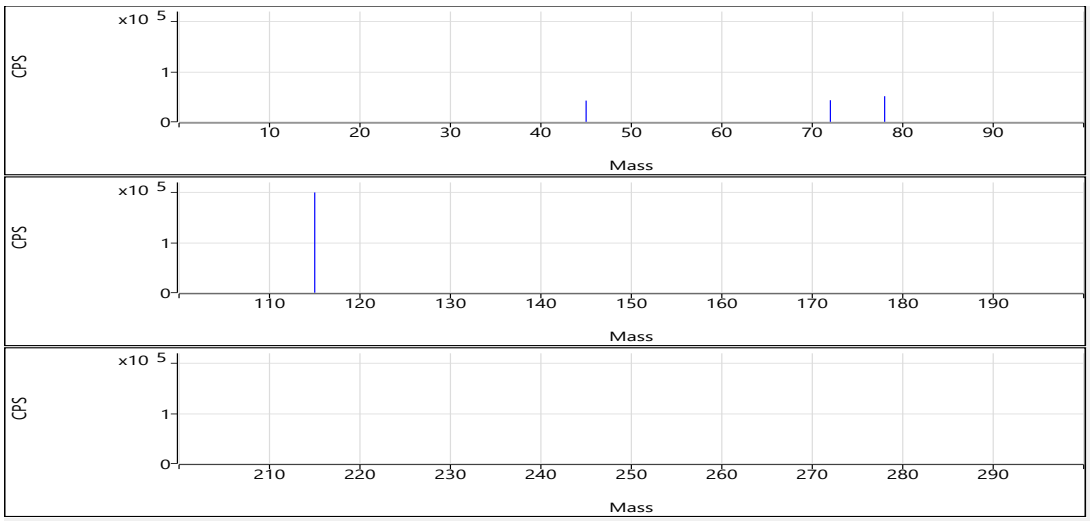
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1124772.56	1.2	107.6	Analog	0.1000	3
No Gas	Ge	72	603517.14	1.1	100.4	Pulse	0.1000	3
H2	Sc	45	42494.67	1.0	100.5	Pulse	0.1000	3
H2	Ge	72	43281.87	1.1	98.7	Pulse	0.1000	3
H2	In	115	200841.92	1.5	133.3	Pulse	0.1000	3
He	Sc	45	12639.36	2.3	110.7	Pulse	0.1000	3
He	Ge	72	24889.83	1.9	98.3	Pulse	0.1000	3
He	In	115	35574.24	0.8	130.3	Pulse	0.1000	3
He	Tb	159	176351.46	0.7	100.0	Pulse	0.1000	3
He	Bi	209	126140.04	1.8	93.5	Pulse	0.1000	3

No Gas

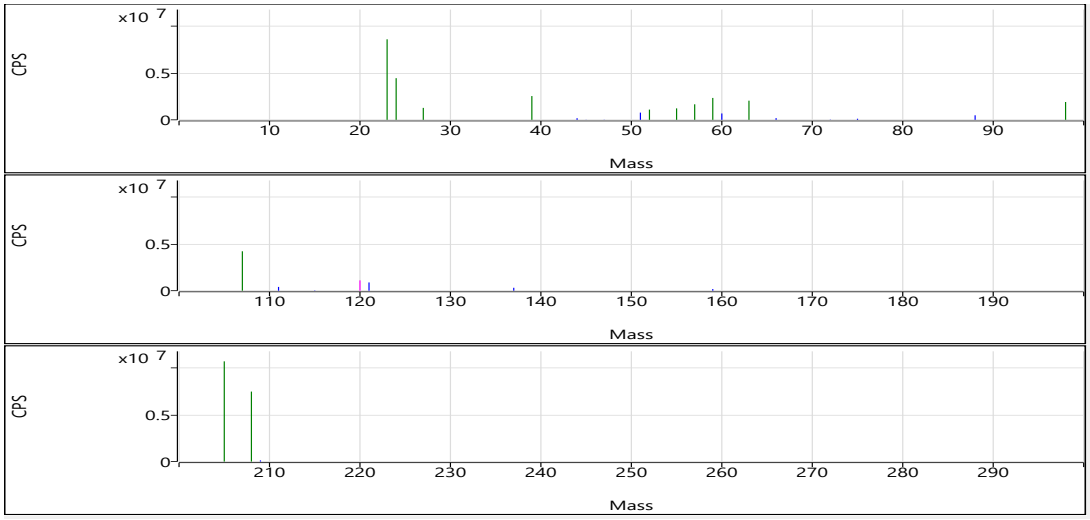


H2



Quantitation Report

He



Quantitation Report

Data File Name	093_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 6:55:27 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

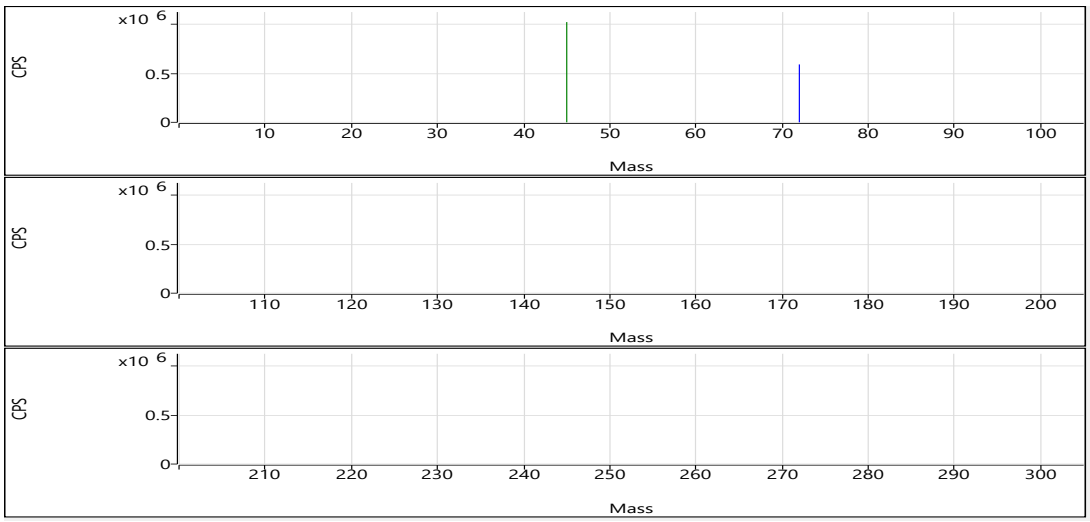
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.023	ug/L	107.5	37.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.033	ppb	N/A	1.33	0.0000	Pulse	1.5000	3
Na	23	72	He	3.355	ug/L	107.7	5617.97	0.2294	Pulse	0.1000	3
Mg	24	72	He	1.652	ug/L	110.4	193.34	0.0079	Pulse	0.1000	3
Al	27	72	He	-3.478	ug/L	N/A	23.33	0.0010	Pulse	0.1000	3
K	39	72	He	13.081	ppb	105.0	2130.25	0.0868	Pulse	0.1000	3
Ca	44	72	He	40.308	ppb	69.5	56.67	0.0023	Pulse	0.1000	3
Ti	47	159	He	-0.010	ppb	N/A	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.075	ppb	74.6	141.33	0.0058	Pulse	0.5000	3
Cr	52	45	He	-0.134	ppb	N/A	420.02	0.0380	Pulse	0.1000	3
Mn	55	45	He	0.153	ppb	59.0	80.00	0.0072	Pulse	0.1000	3
Fe	57	72	He	5.447	ppb	62.4	146.67	0.0060	Pulse	0.1000	3
Co	59	72	He	0.021	ppb	79.0	133.34	0.0054	Pulse	0.1000	3
Ni	60	72	He	0.122	ppb	153.6	193.34	0.0078	Pulse	0.1000	3
Cu	63	72	He	0.026	ppb	33.8	156.68	0.0064	Pulse	0.1000	3
Zn	66	72	He	-0.016	ppb	N/A	46.67	0.0019	Pulse	0.1000	3
As	75	45	He	-0.004	ppb	N/A	10.00	0.0009	Pulse	0.5000	3
Sr	88	159	He	-0.174	ppb	N/A	316.69	0.0018	Pulse	0.1000	3
Mo	98	159	He	0.025	ppb	201.8	83.34	0.0005	Pulse	0.1000	3
Ag	107	159	He	-0.005	ppb	N/A	20.00	0.0001	Pulse	0.1000	3
Cd	111	159	He	0.012	ppb	1.4	6.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.186	ppb	N/A	1783.52	0.0100	Pulse	0.1000	3
Sb	121	159	He	0.058	ppb	100.3	40.00	0.0002	Pulse	0.1000	3
Ba	137	159	He	-0.550	ppb	N/A	773.39	0.0044	Pulse	0.1000	3
Tl	205	159	He	-0.006	ppb	N/A	213.35	0.0012	Pulse	0.1000	3
Pb	208	159	He	0.010	ppb	109.7	203.34	0.0011	Pulse	0.1000	3
U	238	209	He	0.000	ppb	1153.8	173.34	0.0013	Pulse	0.1000	3

ISTD Table:

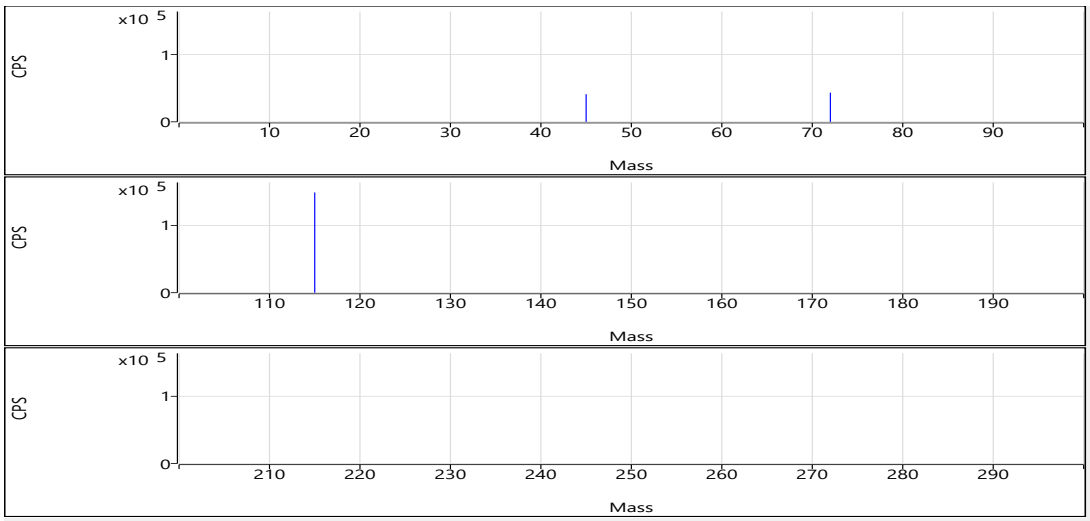
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1021661.76	0.7	97.7	Analog	0.1000	3
No Gas	Ge	72	589856.35	0.9	98.1	Pulse	0.1000	3
H2	Sc	45	40793.07	1.3	96.5	Pulse	0.1000	3
H2	Ge	72	43141.04	0.3	98.3	Pulse	0.1000	3
H2	In	115	148318.36	0.5	98.4	Pulse	0.1000	3
He	Sc	45	11051.29	1.6	96.8	Pulse	0.1000	3
He	Ge	72	24495.74	3.5	96.7	Pulse	0.1000	3
He	In	115	27004.51	2.8	98.9	Pulse	0.1000	3
He	Tb	159	177580.68	0.6	100.7	Pulse	0.1000	3
He	Bi	209	136104.41	0.5	100.9	Pulse	0.1000	3

No Gas

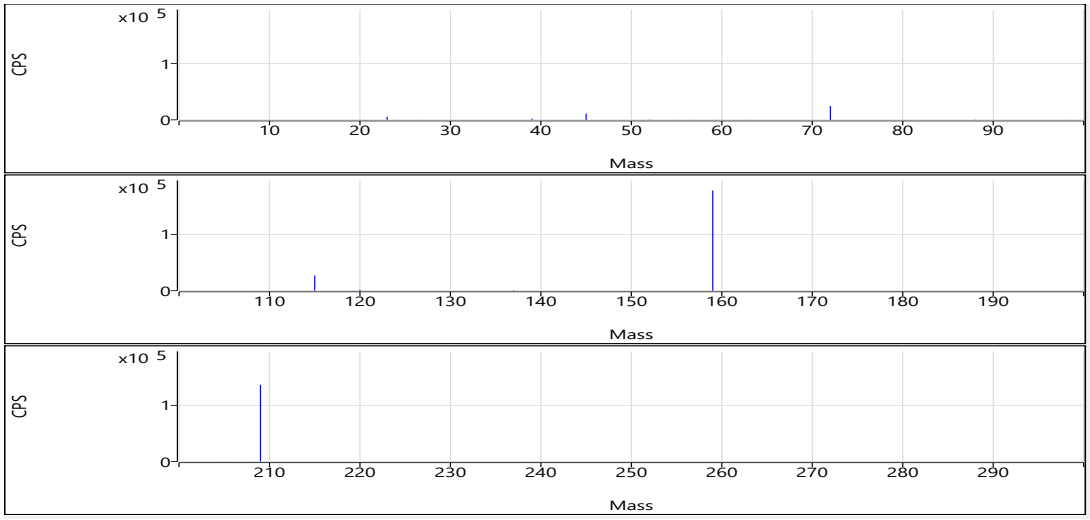


H2



Quantitation Report

He



Quantitation Report

Data File Name	095_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:01:18 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

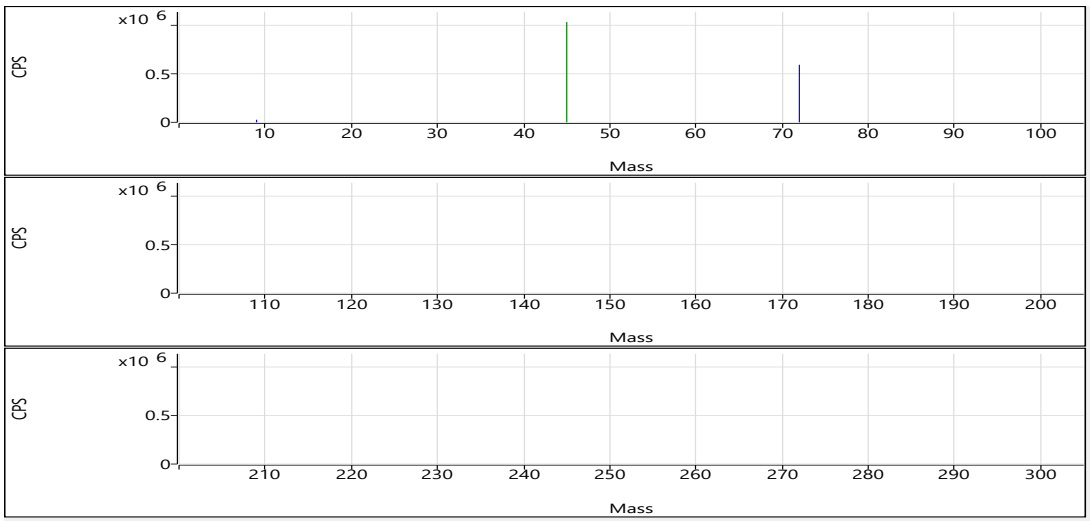
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	49.968	ug/L	1.3	25943.86	0.0252	Pulse	0.5000	3
Se	78	72	H2	50.533	ppb	4.0	1313.40	0.0306	Pulse	1.5000	3
Na	23	72	He	4912.004	ug/L	1.9	227142.20	9.1377	Pulse	0.1000	3
Mg	24	72	He	4931.754	ug/L	1.9	114290.56	4.5978	Pulse	0.1000	3
Al	27	72	He	4962.770	ug/L	2.6	31435.29	1.2647	Pulse	0.1000	3
K	39	72	He	4918.617	ppb	2.4	66506.19	2.6754	Pulse	0.1000	3
Ca	44	72	He	4846.199	ppb	1.4	4220.80	0.1698	Pulse	0.1000	3
Ti	47	159	He	4985.945	ppb	2.0	37079.54	0.2087	Pulse	0.1000	3
V	51	72	He	492.801	ppb	1.2	192546.95	7.7454	Pulse	0.5000	3
Cr	52	45	He	505.392	ppb	2.3	267558.81	23.6076	Pulse	0.1000	3
Mn	55	45	He	496.846	ppb	4.1	98541.62	8.6974	Pulse	0.1000	3
Fe	57	72	He	4907.408	ppb	1.9	54131.78	2.1776	Pulse	0.1000	3
Co	59	72	He	471.172	ppb	1.9	599759.63	24.1280	Pulse	0.1000	3
Ni	60	72	He	491.561	ppb	1.2	178622.00	7.1852	Pulse	0.1000	3
Cu	63	72	He	493.439	ppb	1.8	531161.53	21.3679	Pulse	0.1000	3
Zn	66	72	He	491.864	ppb	0.3	47474.96	1.9095	Pulse	0.1000	3
As	75	45	He	506.957	ppb	3.1	28947.47	2.5543	Pulse	0.5000	3
Sr	88	159	He	52.866	ppb	4.2	13183.43	0.0742	Pulse	0.1000	3
Mo	98	159	He	49.464	ppb	0.5	46041.66	0.2592	Pulse	0.1000	3
Ag	107	159	He	49.630	ppb	0.6	109851.49	0.6183	Pulse	0.1000	3
Cd	111	159	He	49.677	ppb	1.0	10546.82	0.0594	Pulse	0.5000	3
Sn	120	159	He	49.526	ppb	3.7	30074.28	0.1693	Pulse	0.1000	3
Sb	121	159	He	48.994	ppb	2.2	22442.81	0.1263	Pulse	0.1000	3
Ba	137	159	He	498.564	ppb	1.2	79665.10	0.4484	Pulse	0.1000	3
Tl	205	159	He	49.437	ppb	1.2	278223.94	1.5659	Pulse	0.1000	3
Pb	208	159	He	49.576	ppb	1.1	194354.51	1.0940	Pulse	0.1000	3
U	238	209	He	49.431	ppb	1.0	449224.86	3.2853	Pulse	0.1000	3

ISTD Table:

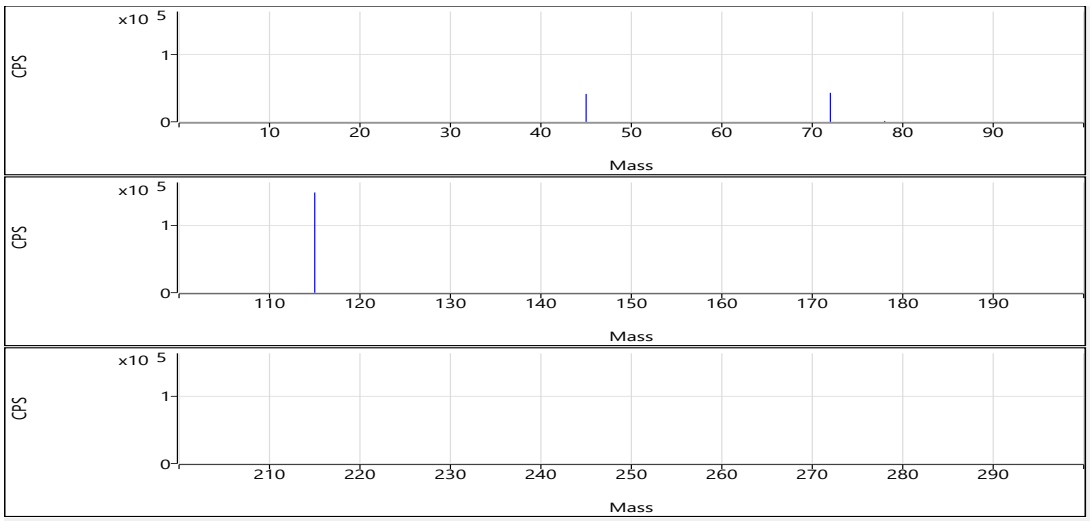
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1029753.87	0.7	98.5	Analog	0.1000	3
No Gas	Ge	72	590994.68	0.6	98.3	Pulse	0.1000	3
H2	Sc	45	41311.35	0.7	97.7	Pulse	0.1000	3
H2	Ge	72	42980.60	0.5	98.0	Pulse	0.1000	3
H2	In	115	148455.32	0.8	98.5	Pulse	0.1000	3
He	Sc	45	11338.20	2.7	99.3	Pulse	0.1000	3
He	Ge	72	24862.90	1.8	98.2	Pulse	0.1000	3
He	In	115	27098.00	3.2	99.3	Pulse	0.1000	3
He	Tb	159	177666.40	1.3	100.7	Pulse	0.1000	3
He	Bi	209	136762.10	2.6	101.4	Pulse	0.1000	3

No Gas

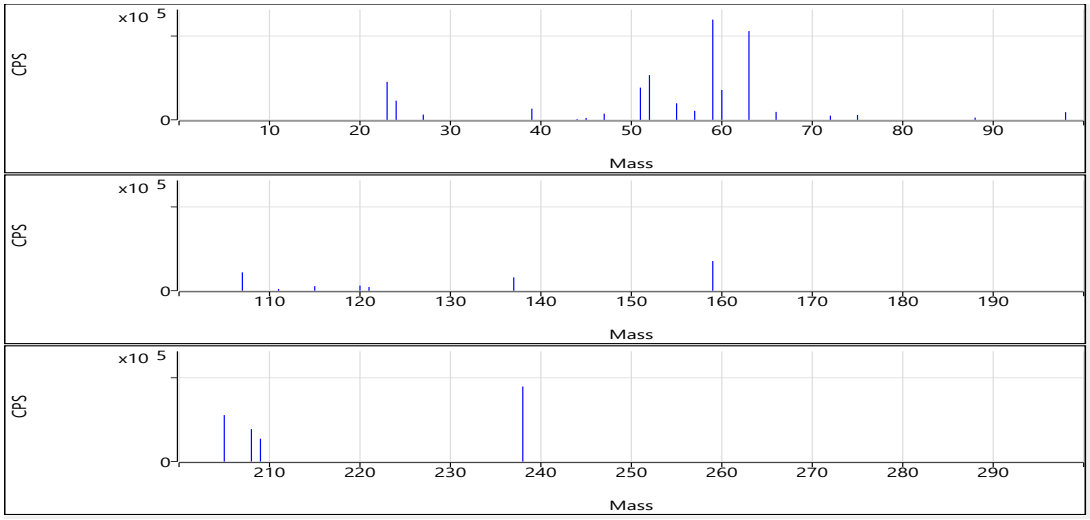


H2



Quantitation Report

He



Quantitation Report

Data File Name	098SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:08:42 PM
Sample Name	MB 410-684038/1-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

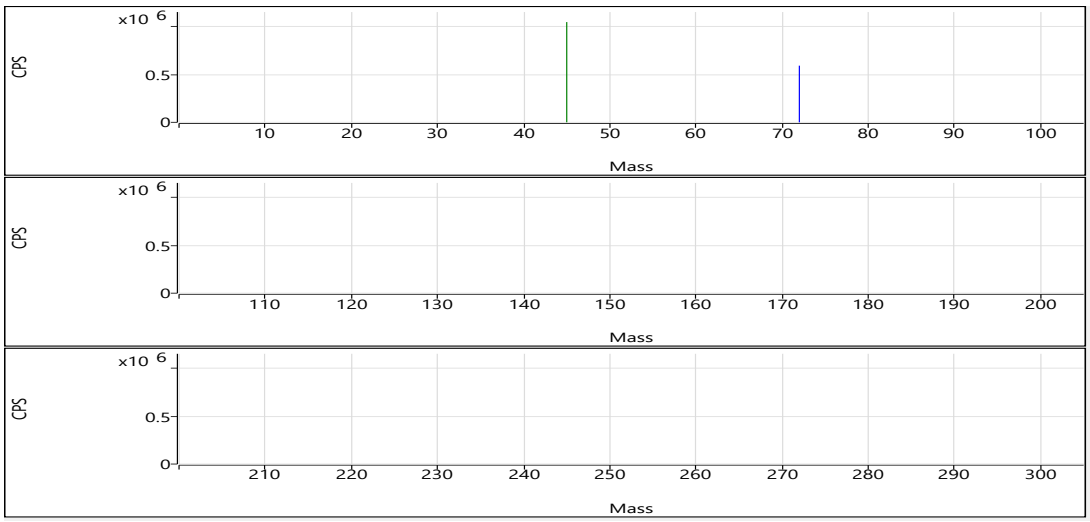
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.007	ug/L	102.7	30.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.041	ppb	N/A	1.11	0.0000	Pulse	1.5000	3
Na	23	72	He	4.791	ug/L	216.1	5804.71	0.2320	Pulse	0.1000	3
Mg	24	72	He	0.607	ug/L	276.4	173.34	0.0069	Pulse	0.1000	3
Al	27	72	He	3.278	ug/L	109.6	66.67	0.0027	Pulse	0.1000	3
K	39	72	He	19.543	ppb	63.6	2263.59	0.0902	Pulse	0.1000	3
Ca	44	72	He	11.809	ppb	59.5	33.33	0.0013	Pulse	0.1000	3
Ti	47	159	He	-0.454	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.013	ppb	230.4	120.67	0.0048	Pulse	0.5000	3
Cr	52	45	He	-0.146	ppb	N/A	426.69	0.0375	Pulse	0.1000	3
Mn	55	45	He	0.577	ppb	7.8	166.68	0.0147	Pulse	0.1000	3
Fe	57	72	He	5.243	ppb	43.5	146.68	0.0059	Pulse	0.1000	3
Co	59	72	He	-0.002	ppb	N/A	106.67	0.0042	Pulse	0.1000	3
Ni	60	72	He	0.088	ppb	82.5	183.34	0.0073	Pulse	0.1000	3
Cu	63	72	He	0.083	ppb	66.6	220.01	0.0088	Pulse	0.1000	3
Zn	66	72	He	0.456	ppb	41.1	93.33	0.0037	Pulse	0.1000	3
As	75	45	He	-0.007	ppb	N/A	10.00	0.0009	Pulse	0.5000	3
Sr	88	159	He	-0.099	ppb	N/A	333.35	0.0019	Pulse	0.1000	3
Mo	98	159	He	-0.003	ppb	N/A	56.67	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.009	ppb	49.1	50.00	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.000	ppb	19578.7	3.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.707	ppb	N/A	1480.13	0.0084	Pulse	0.1000	3
Sb	121	159	He	0.015	ppb	2.6	20.00	0.0001	Pulse	0.1000	3
Ba	137	159	He	-0.754	ppb	N/A	736.72	0.0042	Pulse	0.1000	3
Tl	205	159	He	-0.014	ppb	N/A	166.68	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.005	ppb	245.1	183.34	0.0010	Pulse	0.1000	3
U	238	209	He	-0.001	ppb	N/A	170.01	0.0012	Pulse	0.1000	3

ISTD Table:

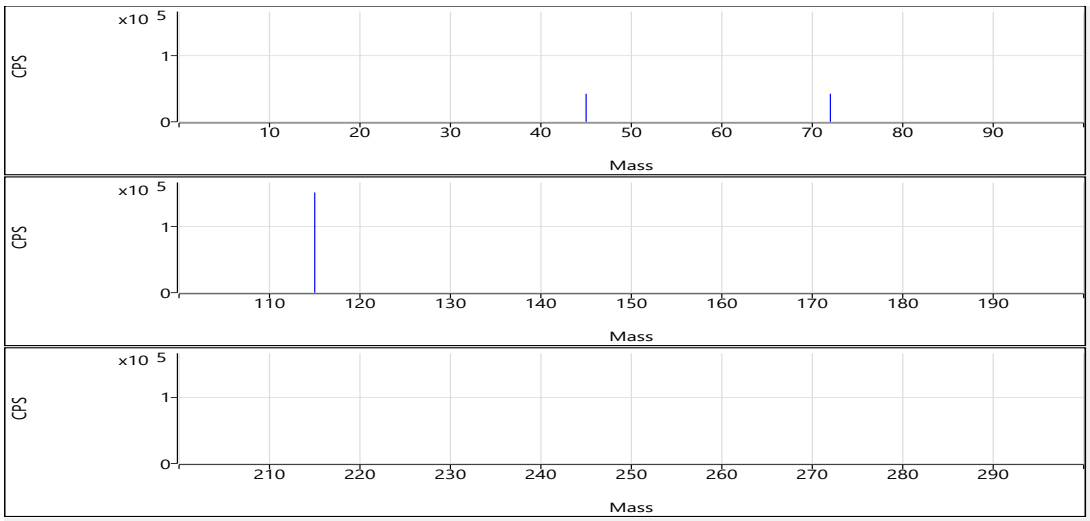
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1050293.63	0.4	100.5	Analog	0.1000	3
No Gas	Ge	72	593496.72	0.6	98.7	Pulse	0.1000	3
H2	Sc	45	42468.26	0.8	100.5	Pulse	0.1000	3
H2	Ge	72	42512.70	2.0	96.9	Pulse	0.1000	3
H2	In	115	151788.84	1.2	100.7	Pulse	0.1000	3
He	Sc	45	11374.97	3.3	99.6	Pulse	0.1000	3
He	Ge	72	25063.20	3.4	98.9	Pulse	0.1000	3
He	In	115	27542.32	1.7	100.9	Pulse	0.1000	3
He	Tb	159	176766.51	0.9	100.2	Pulse	0.1000	3
He	Bi	209	138767.05	1.3	102.9	Pulse	0.1000	3

No Gas

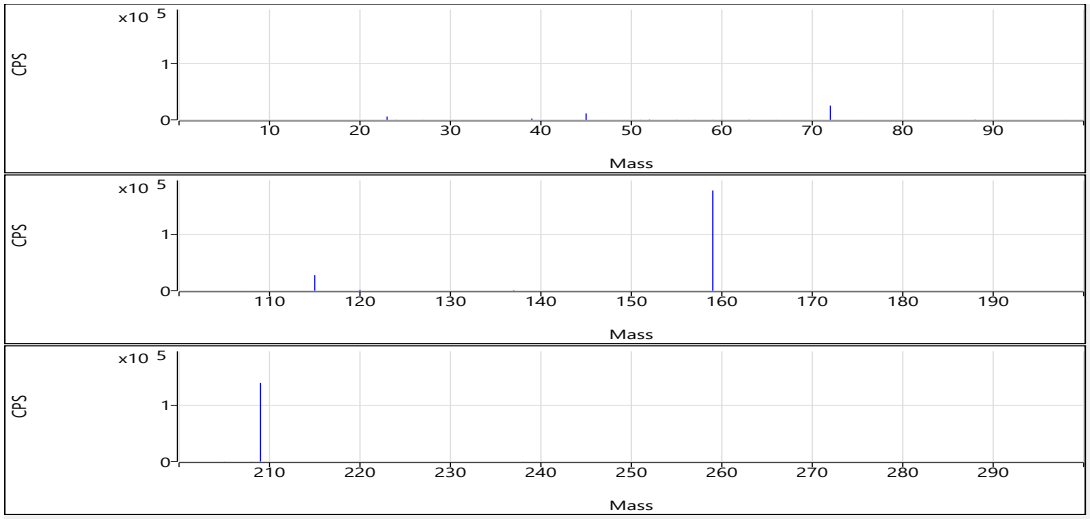


H2



Quantitation Report

He



Quantitation Report

Data File Name	099SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:10:42 PM
Sample Name	MB 410-683864/1-A
Sample Type	Sample
Comment	MS-D16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

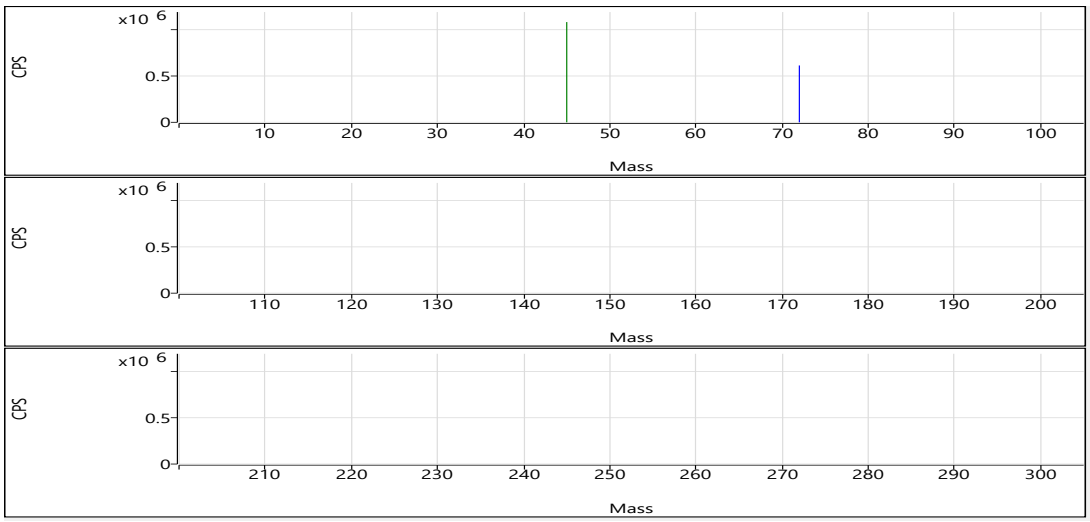
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.010	ug/L	N/A	21.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.035	ppb	N/A	1.33	0.0000	Pulse	1.5000	3
Na	23	72	He	-4.491	ug/L	N/A	5581.24	0.2152	Pulse	0.1000	3
Mg	24	72	He	0.103	ug/L	1771.1	166.68	0.0064	Pulse	0.1000	3
Al	27	72	He	-3.220	ug/L	N/A	26.67	0.0010	Pulse	0.1000	3
K	39	72	He	12.475	ppb	114.9	2243.59	0.0865	Pulse	0.1000	3
Ca	44	72	He	40.071	ppb	29.9	60.00	0.0023	Pulse	0.1000	3
Ti	47	159	He	-0.461	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	-0.043	ppb	N/A	102.00	0.0039	Pulse	0.5000	3
Cr	52	45	He	-0.312	ppb	N/A	353.35	0.0298	Pulse	0.1000	3
Mn	55	45	He	0.045	ppb	336.8	63.33	0.0054	Pulse	0.1000	3
Fe	57	72	He	3.910	ppb	82.2	136.67	0.0053	Pulse	0.1000	3
Co	59	72	He	0.005	ppb	496.9	120.01	0.0046	Pulse	0.1000	3
Ni	60	72	He	-0.010	ppb	N/A	153.34	0.0059	Pulse	0.1000	3
Cu	63	72	He	0.039	ppb	61.7	180.01	0.0069	Pulse	0.1000	3
Zn	66	72	He	0.122	ppb	53.5	63.33	0.0024	Pulse	0.1000	3
As	75	45	He	-0.016	ppb	N/A	10.00	0.0008	Pulse	0.5000	3
Sr	88	159	He	0.085	ppb	321.8	386.68	0.0021	Pulse	0.1000	3
Mo	98	159	He	0.002	ppb	1197.3	63.33	0.0004	Pulse	0.1000	3
Ag	107	159	He	-0.002	ppb	N/A	26.67	0.0001	Pulse	0.1000	3
Cd	111	159	He	0.009	ppb	60.8	5.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.894	ppb	N/A	1406.80	0.0078	Pulse	0.1000	3
Sb	121	159	He	0.007	ppb	684.5	16.67	0.0001	Pulse	0.1000	3
Ba	137	159	He	1.000	ppb	79.3	1036.74	0.0057	Pulse	0.1000	3
Tl	205	159	He	-0.009	ppb	N/A	196.68	0.0011	Pulse	0.1000	3
Pb	208	159	He	0.004	ppb	33.2	183.34	0.0010	Pulse	0.1000	3
U	238	209	He	0.000	ppb	N/A	170.01	0.0012	Pulse	0.1000	3

ISTD Table:

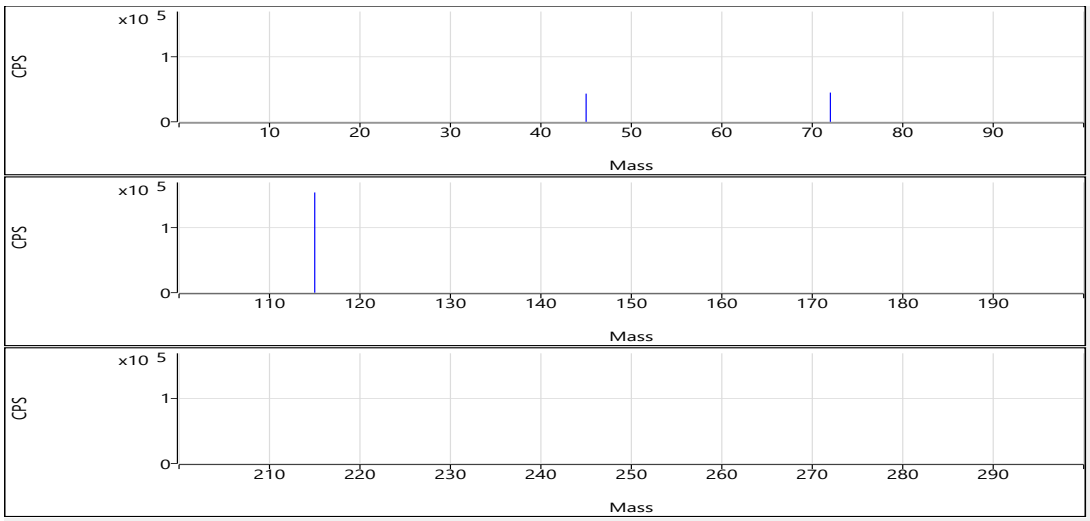
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1077295.32	0.2	103.1	Analog	0.1000	3
No Gas	Ge	72	610944.38	0.2	101.6	Pulse	0.1000	3
H2	Sc	45	43665.04	1.8	103.3	Pulse	0.1000	3
H2	Ge	72	45291.36	0.6	103.2	Pulse	0.1000	3
H2	In	115	155321.52	1.1	103.1	Pulse	0.1000	3
He	Sc	45	11948.82	4.6	104.6	Pulse	0.1000	3
He	Ge	72	25938.25	1.4	102.4	Pulse	0.1000	3
He	In	115	28046.66	1.1	102.8	Pulse	0.1000	3
He	Tb	159	180907.59	0.3	102.6	Pulse	0.1000	3
He	Bi	209	137529.64	1.8	102.0	Pulse	0.1000	3

No Gas

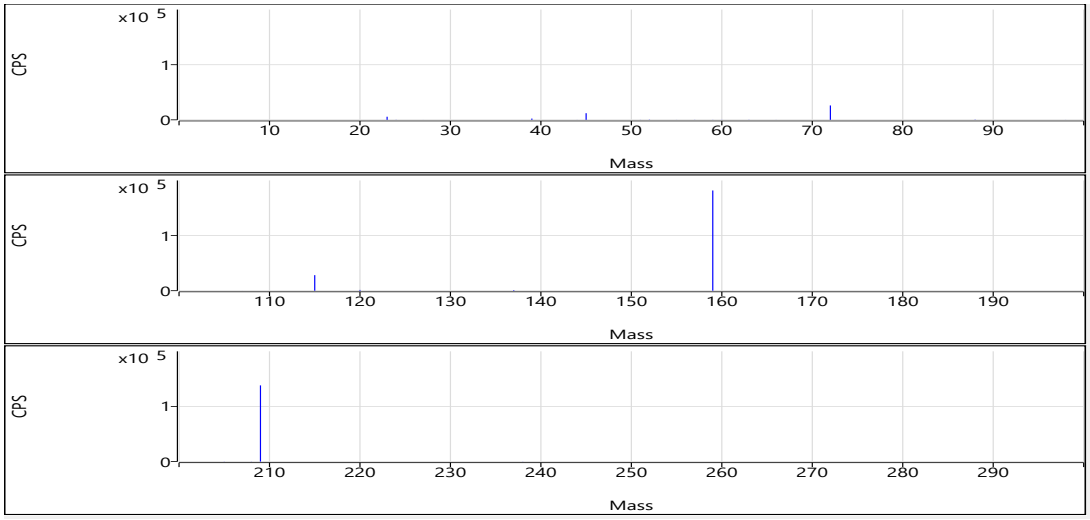


H2



Quantitation Report

He



Quantitation Report

Data File Name	100SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:12:41 PM
Sample Name	MB 410-681239/1-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

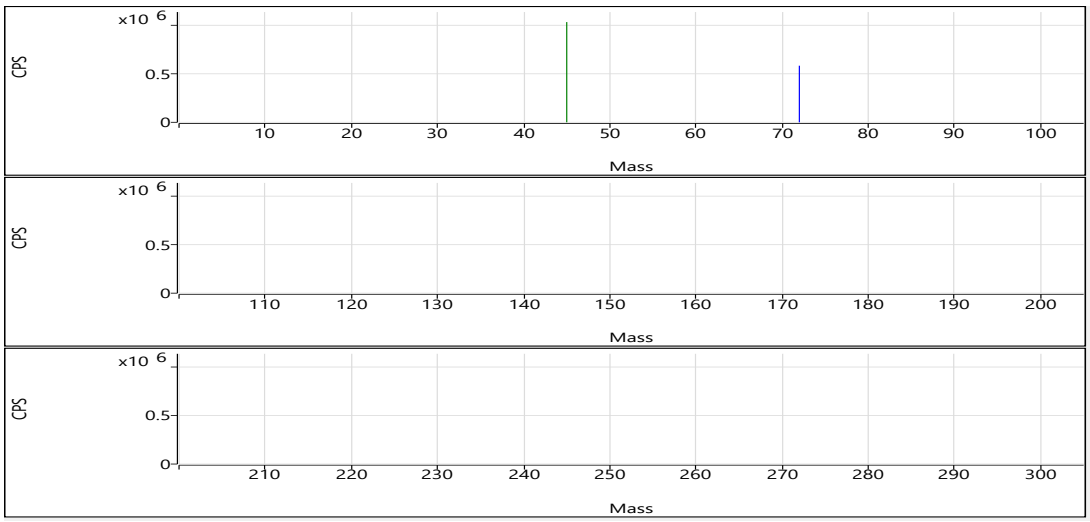
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.008	ug/L	81.7	30.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.015	ppb	N/A	1.78	0.0000	Pulse	1.5000	3
Na	23	72	He	-1.632	ug/L	N/A	5391.21	0.2204	Pulse	0.1000	3
Mg	24	72	He	0.227	ug/L	281.3	160.01	0.0065	Pulse	0.1000	3
Al	27	72	He	-2.444	ug/L	N/A	30.00	0.0012	Pulse	0.1000	3
K	39	72	He	29.336	ppb	64.1	2333.62	0.0954	Pulse	0.1000	3
Ca	44	72	He	16.499	ppb	106.5	36.67	0.0015	Pulse	0.1000	3
Ti	47	159	He	1.347	ppb	57.7	16.67	0.0001	Pulse	0.1000	3
V	51	72	He	0.078	ppb	73.1	142.67	0.0058	Pulse	0.5000	3
Cr	52	45	He	-0.238	ppb	N/A	373.35	0.0332	Pulse	0.1000	3
Mn	55	45	He	0.284	ppb	79.9	106.67	0.0095	Pulse	0.1000	3
Fe	57	72	He	6.703	ppb	43.5	160.01	0.0065	Pulse	0.1000	3
Co	59	72	He	0.027	ppb	86.0	140.01	0.0057	Pulse	0.1000	3
Ni	60	72	He	-0.033	ppb	N/A	136.67	0.0056	Pulse	0.1000	3
Cu	63	72	He	0.121	ppb	52.1	256.68	0.0105	Pulse	0.1000	3
Zn	66	72	He	-0.086	ppb	N/A	40.00	0.0016	Pulse	0.1000	3
As	75	45	He	-0.041	ppb	N/A	8.00	0.0007	Pulse	0.5000	3
Sr	88	159	He	-0.211	ppb	N/A	306.69	0.0017	Pulse	0.1000	3
Mo	98	159	He	-0.011	ppb	N/A	50.00	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.009	ppb	100.9	50.00	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.003	ppb	1.7	4.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.757	ppb	N/A	1453.46	0.0082	Pulse	0.1000	3
Sb	121	159	He	0.029	ppb	114.4	26.67	0.0002	Pulse	0.1000	3
Ba	137	159	He	-0.275	ppb	N/A	813.39	0.0046	Pulse	0.1000	3
Tl	205	159	He	-0.010	ppb	N/A	190.01	0.0011	Pulse	0.1000	3
Pb	208	159	He	0.018	ppb	158.0	233.35	0.0013	Pulse	0.1000	3
U	238	209	He	0.001	ppb	422.4	183.34	0.0013	Pulse	0.1000	3

ISTD Table:

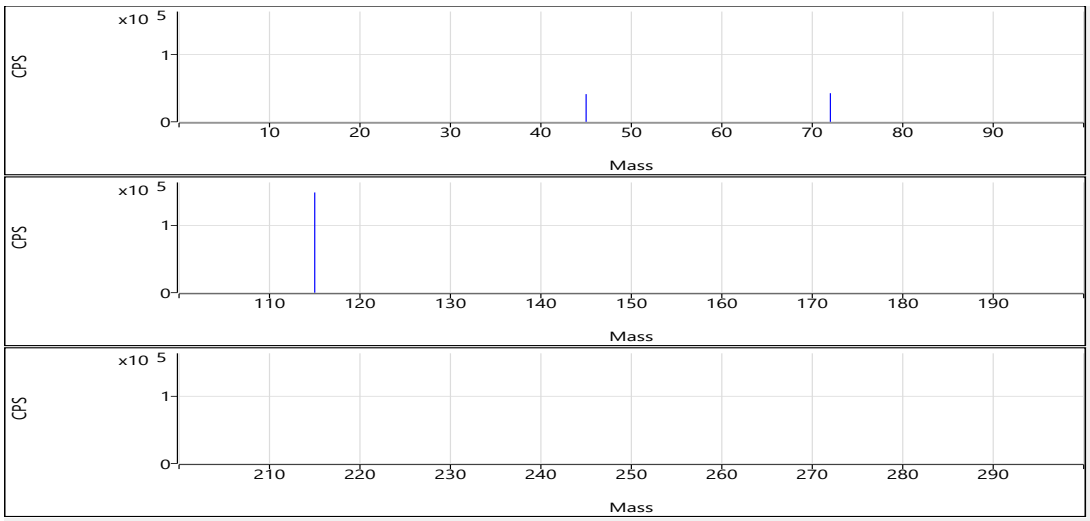
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1030961.76	0.4	98.6	Analog	0.1000	3
No Gas	Ge	72	582188.17	0.8	96.8	Pulse	0.1000	3
H2	Sc	45	41505.09	0.8	98.2	Pulse	0.1000	3
H2	Ge	72	42877.20	1.1	97.7	Pulse	0.1000	3
H2	In	115	150246.65	1.1	99.7	Pulse	0.1000	3
He	Sc	45	11288.25	3.7	98.8	Pulse	0.1000	3
He	Ge	72	24488.88	2.1	96.7	Pulse	0.1000	3
He	In	115	27077.80	1.7	99.2	Pulse	0.1000	3
He	Tb	159	176914.49	0.3	100.3	Pulse	0.1000	3
He	Bi	209	138561.04	1.0	102.7	Pulse	0.1000	3

No Gas

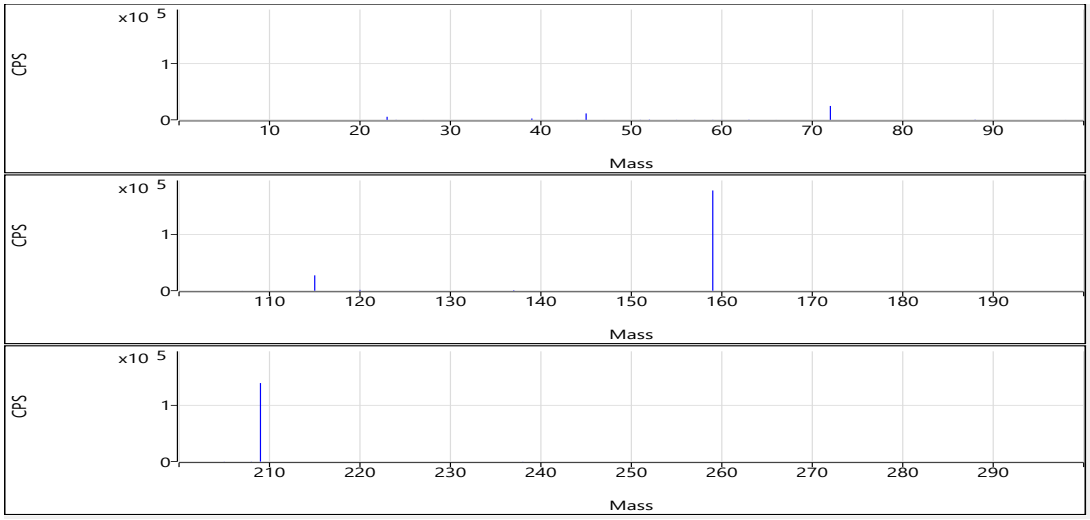


H2



Quantitation Report

He



Quantitation Report

Data File Name	101SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:14:43 PM
Sample Name	MB 410-681233/1-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

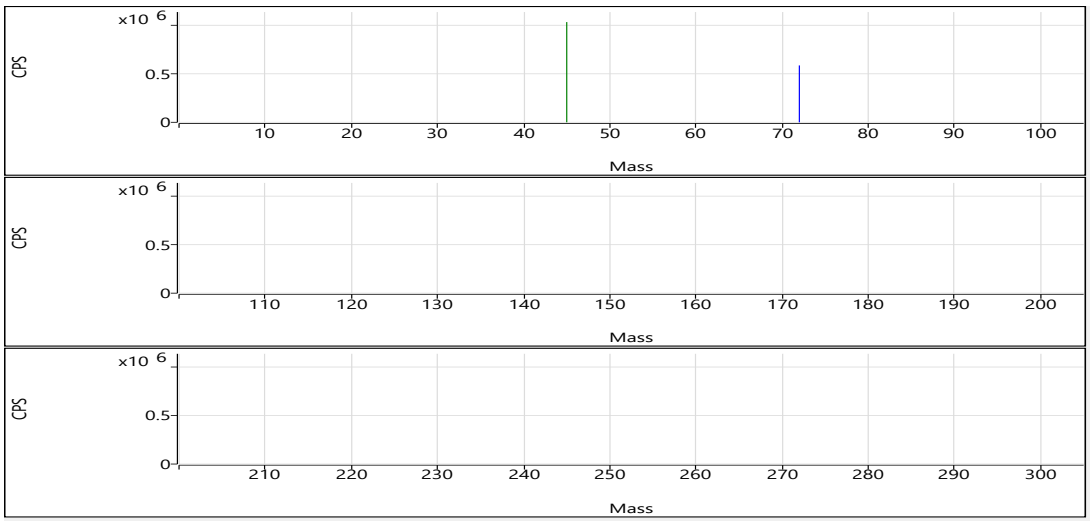
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.003	ug/L	N/A	24.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.015	ppb	N/A	1.78	0.0000	Pulse	1.5000	3
Na	23	72	He	-8.313	ug/L	N/A	5104.42	0.2082	Pulse	0.1000	3
Mg	24	72	He	1.544	ug/L	99.9	190.01	0.0078	Pulse	0.1000	3
Al	27	72	He	-4.034	ug/L	N/A	20.00	0.0008	Pulse	0.1000	3
K	39	72	He	12.838	ppb	238.3	2123.57	0.0867	Pulse	0.1000	3
Ca	44	72	He	39.743	ppb	138.5	56.67	0.0023	Pulse	0.1000	3
Ti	47	159	He	0.471	ppb	505.3	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.128	ppb	49.4	162.00	0.0066	Pulse	0.5000	3
Cr	52	45	He	0.135	ppb	120.3	570.03	0.0506	Pulse	0.1000	3
Mn	55	45	He	0.211	ppb	16.5	93.33	0.0083	Pulse	0.1000	3
Fe	57	72	He	14.099	ppb	18.6	240.01	0.0098	Pulse	0.1000	3
Co	59	72	He	0.003	ppb	511.4	110.00	0.0045	Pulse	0.1000	3
Ni	60	72	He	0.023	ppb	417.4	156.67	0.0064	Pulse	0.1000	3
Cu	63	72	He	0.083	ppb	31.5	216.68	0.0088	Pulse	0.1000	3
Zn	66	72	He	0.085	ppb	552.6	56.67	0.0023	Pulse	0.1000	3
As	75	45	He	-0.028	ppb	N/A	8.67	0.0008	Pulse	0.5000	3
Sr	88	159	He	0.073	ppb	234.2	373.35	0.0021	Pulse	0.1000	3
Mo	98	159	He	0.061	ppb	38.9	116.67	0.0007	Pulse	0.1000	3
Ag	107	159	He	0.003	ppb	81.5	36.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.003	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.606	ppb	N/A	1530.14	0.0087	Pulse	0.1000	3
Sb	121	159	He	-0.015	ppb	N/A	6.67	0.0000	Pulse	0.1000	3
Ba	137	159	He	0.185	ppb	394.2	880.07	0.0050	Pulse	0.1000	3
Tl	205	159	He	-0.011	ppb	N/A	180.01	0.0010	Pulse	0.1000	3
Pb	208	159	He	0.015	ppb	80.9	220.01	0.0013	Pulse	0.1000	3
U	238	209	He	-0.005	ppb	N/A	126.67	0.0009	Pulse	0.1000	3

ISTD Table:

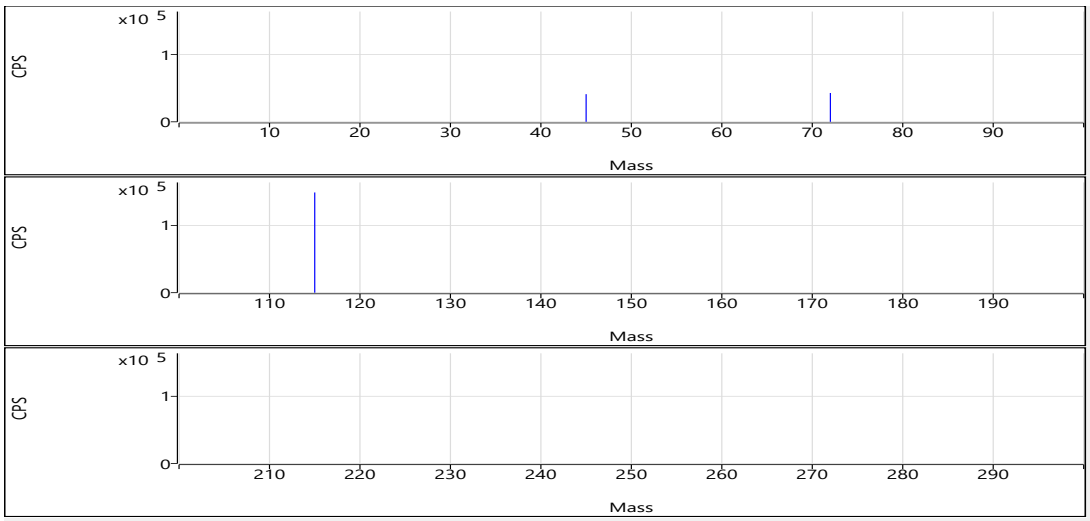
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1038010.22	0.6	99.3	Analog	0.1000	3
No Gas	Ge	72	588992.45	1.1	98.0	Pulse	0.1000	3
H2	Sc	45	41077.35	3.0	97.2	Pulse	0.1000	3
H2	Ge	72	42827.13	1.7	97.6	Pulse	0.1000	3
H2	In	115	148953.61	1.1	98.8	Pulse	0.1000	3
He	Sc	45	11261.54	5.5	98.6	Pulse	0.1000	3
He	Ge	72	24515.55	0.8	96.8	Pulse	0.1000	3
He	In	115	26807.34	3.0	98.2	Pulse	0.1000	3
He	Tb	159	175983.83	1.1	99.8	Pulse	0.1000	3
He	Bi	209	137691.68	3.0	102.1	Pulse	0.1000	3

No Gas

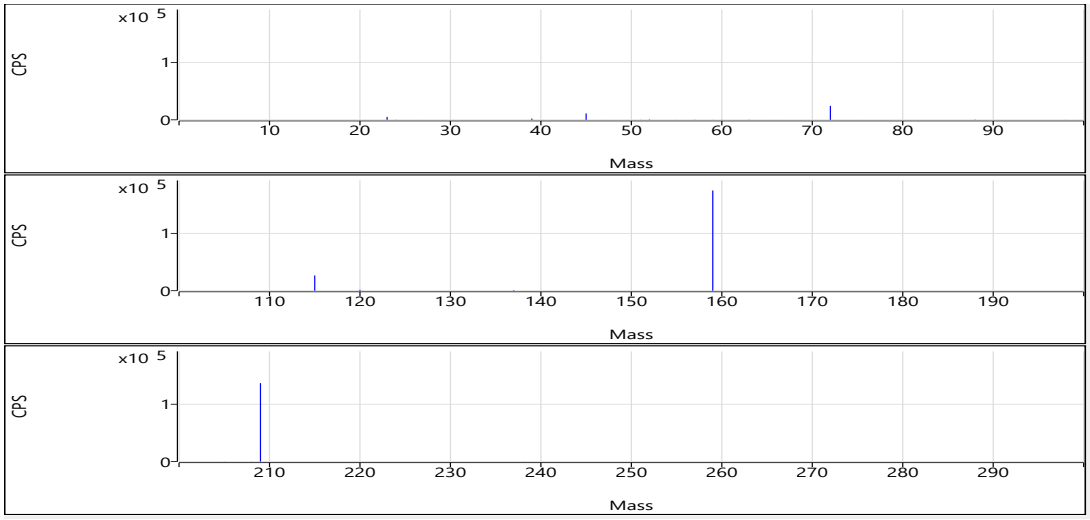


H2



Quantitation Report

He



Quantitation Report

Data File Name	102SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:16:45 PM
Sample Name	LCS 410-681233/2-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

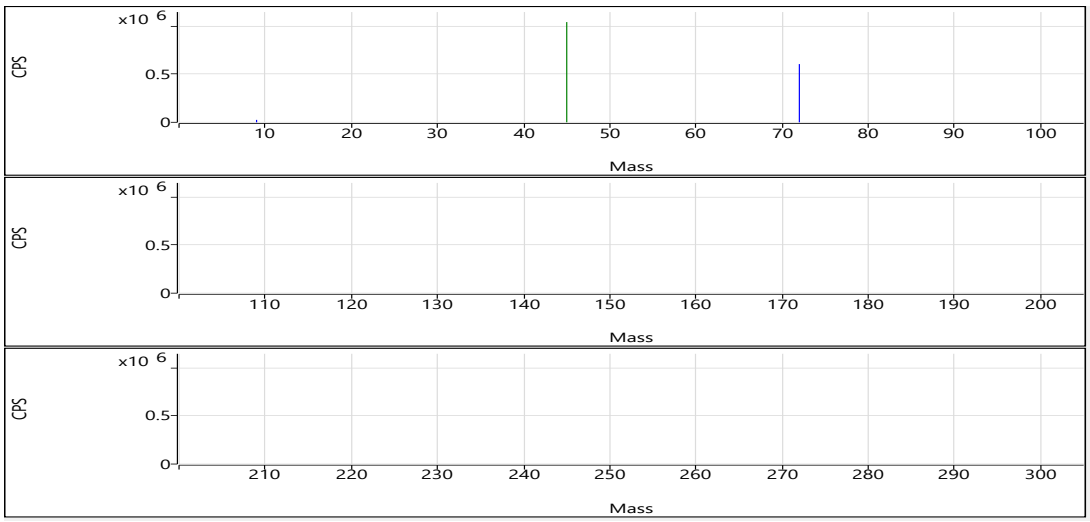
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.793	ug/L	1.0	25058.27	0.0241	Pulse	0.5000	3
Se	78	72	H2	98.016	ppb	1.5	2607.36	0.0592	Pulse	1.5000	3
Na	23	72	He	4805.945	ug/L	2.0	224973.47	8.9453	Pulse	0.1000	3
Mg	24	72	He	4694.581	ug/L	0.9	110100.64	4.3770	Pulse	0.1000	3
Al	27	72	He	4743.322	ug/L	1.3	30409.77	1.2088	Pulse	0.1000	3
K	39	72	He	4832.069	ppb	1.6	66138.46	2.6297	Pulse	0.1000	3
Ca	44	72	He	5249.570	ppb	2.4	4624.29	0.1838	Pulse	0.1000	3
Ti	47	159	He	511.648	ppb	5.2	3757.31	0.0215	Pulse	0.1000	3
V	51	72	He	472.422	ppb	0.8	186761.11	7.4253	Pulse	0.5000	3
Cr	52	45	He	493.051	ppb	0.8	261985.84	23.0323	Pulse	0.1000	3
Mn	55	45	He	489.423	ppb	1.0	97454.19	8.5675	Pulse	0.1000	3
Fe	57	72	He	4767.076	ppb	0.8	53208.56	2.1155	Pulse	0.1000	3
Co	59	72	He	458.600	ppb	1.1	590660.28	23.4843	Pulse	0.1000	3
Ni	60	72	He	479.913	ppb	0.4	176454.98	7.0150	Pulse	0.1000	3
Cu	63	72	He	483.207	ppb	1.2	526284.43	20.9249	Pulse	0.1000	3
Zn	66	72	He	541.571	ppb	0.6	52877.72	2.1023	Pulse	0.1000	3
As	75	45	He	502.862	ppb	1.2	28819.82	2.5337	Pulse	0.5000	3
Sr	88	159	He	49.781	ppb	3.3	12262.56	0.0700	Pulse	0.1000	3
Mo	98	159	He	48.400	ppb	2.9	44419.75	0.2536	Pulse	0.1000	3
Ag	107	159	He	49.981	ppb	1.5	109096.34	0.6227	Pulse	0.1000	3
Cd	111	159	He	49.470	ppb	2.3	10356.66	0.0591	Pulse	0.5000	3
Sn	120	159	He	96.305	ppb	1.3	55920.36	0.3192	Pulse	0.1000	3
Sb	121	159	He	96.876	ppb	3.3	43748.64	0.2497	Pulse	0.1000	3
Ba	137	159	He	491.439	ppb	2.0	77438.89	0.4420	Pulse	0.1000	3
Tl	205	159	He	98.681	ppb	1.7	547395.03	3.1244	Pulse	0.1000	3
Pb	208	159	He	50.092	ppb	1.8	193650.10	1.1054	Pulse	0.1000	3
U	238	209	He	48.928	ppb	2.6	439915.47	3.2519	Pulse	0.1000	3

ISTD Table:

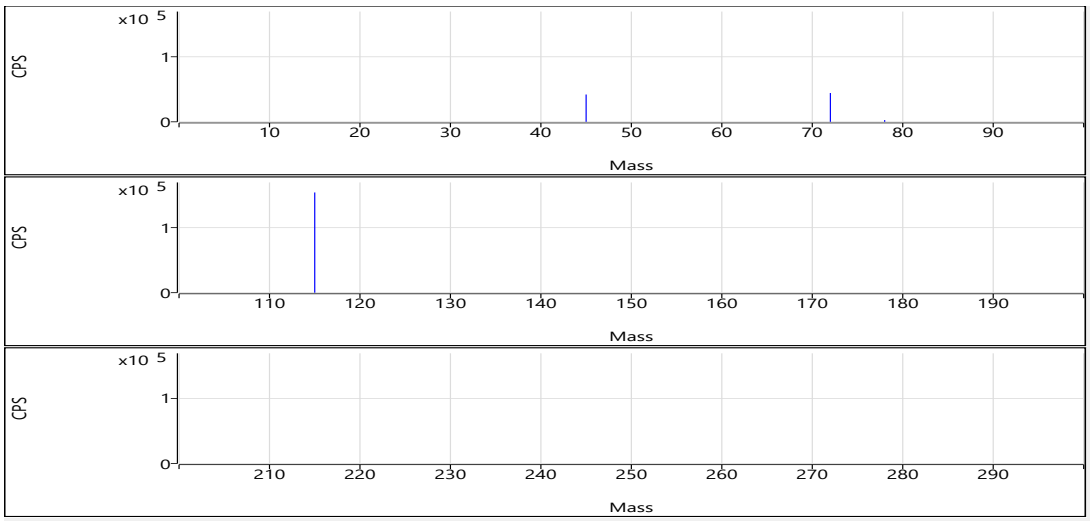
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1039809.78	0.7	99.5	Analog	0.1000	3
No Gas	Ge	72	603825.88	0.8	100.4	Pulse	0.1000	3
H2	Sc	45	41739.28	0.8	98.8	Pulse	0.1000	3
H2	Ge	72	44020.68	0.5	100.3	Pulse	0.1000	3
H2	In	115	153218.79	1.4	101.7	Pulse	0.1000	3
He	Sc	45	11374.95	0.5	99.6	Pulse	0.1000	3
He	Ge	72	25153.48	1.2	99.3	Pulse	0.1000	3
He	In	115	27061.25	0.8	99.1	Pulse	0.1000	3
He	Tb	159	175211.91	1.3	99.3	Pulse	0.1000	3
He	Bi	209	135310.84	2.3	100.3	Pulse	0.1000	3

No Gas

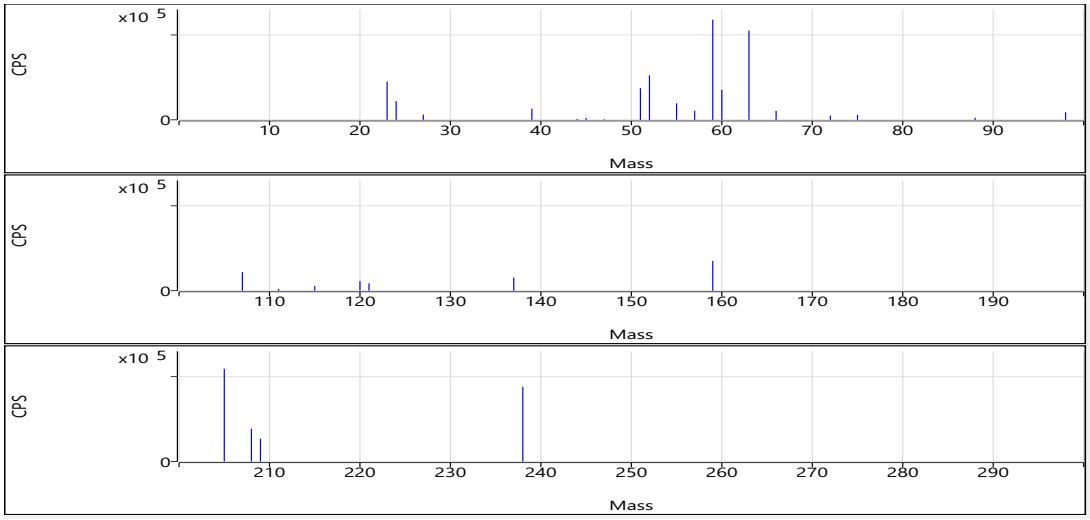


H2



Quantitation Report

He



Quantitation Report

Data File Name	103SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:18:45 PM
Sample Name	LCS 410-681239/2-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

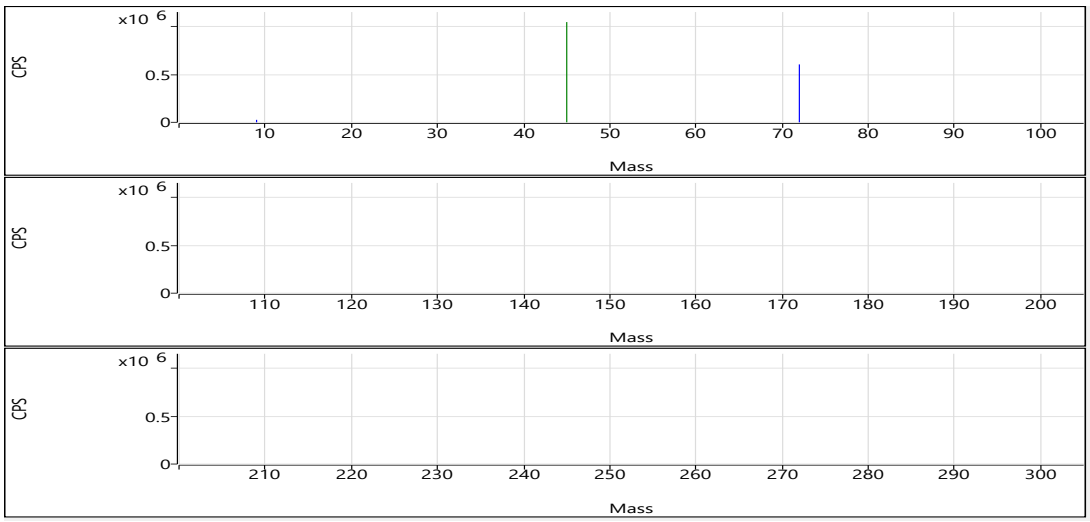
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.562	ug/L	0.9	25656.01	0.0245	Pulse	0.5000	3
Se	78	72	H2	97.690	ppb	1.6	2543.79	0.0590	Pulse	1.5000	3
Na	23	72	He	4839.152	ug/L	3.2	224660.80	9.0055	Pulse	0.1000	3
Mg	24	72	He	4778.803	ug/L	3.4	111142.81	4.4554	Pulse	0.1000	3
Al	27	72	He	4834.258	ug/L	1.6	30743.83	1.2320	Pulse	0.1000	3
K	39	72	He	4846.503	ppb	2.9	65806.72	2.6373	Pulse	0.1000	3
Ca	44	72	He	4850.911	ppb	5.6	4237.46	0.1700	Pulse	0.1000	3
Ti	47	159	He	488.512	ppb	3.1	3623.93	0.0205	Pulse	0.1000	3
V	51	72	He	476.512	ppb	2.9	186843.01	7.4895	Pulse	0.5000	3
Cr	52	45	He	492.416	ppb	2.9	261149.74	23.0026	Pulse	0.1000	3
Mn	55	45	He	486.727	ppb	3.1	96729.17	8.5204	Pulse	0.1000	3
Fe	57	72	He	4828.722	ppb	3.4	53452.78	2.1428	Pulse	0.1000	3
Co	59	72	He	463.725	ppb	2.7	592446.08	23.7467	Pulse	0.1000	3
Ni	60	72	He	486.251	ppb	3.3	177301.97	7.1076	Pulse	0.1000	3
Cu	63	72	He	486.003	ppb	3.0	525029.21	21.0460	Pulse	0.1000	3
Zn	66	72	He	488.559	ppb	1.9	47327.78	1.8967	Pulse	0.1000	3
As	75	45	He	497.614	ppb	1.4	28474.47	2.5073	Pulse	0.5000	3
Sr	88	159	He	48.740	ppb	5.3	12125.79	0.0686	Pulse	0.1000	3
Mo	98	159	He	48.174	ppb	3.3	44620.39	0.2524	Pulse	0.1000	3
Ag	107	159	He	49.336	ppb	2.4	108680.03	0.6147	Pulse	0.1000	3
Cd	111	159	He	49.600	ppb	1.1	10483.43	0.0593	Pulse	0.5000	3
Sn	120	159	He	94.429	ppb	2.7	55367.96	0.3132	Pulse	0.1000	3
Sb	121	159	He	95.673	ppb	3.1	43601.19	0.2466	Pulse	0.1000	3
Ba	137	159	He	492.109	ppb	3.7	78246.84	0.4426	Pulse	0.1000	3
Tl	205	159	He	97.386	ppb	0.7	545290.00	3.0834	Pulse	0.1000	3
Pb	208	159	He	49.429	ppb	0.6	192898.21	1.0908	Pulse	0.1000	3
U	238	209	He	48.972	ppb	1.5	442345.13	3.2548	Pulse	0.1000	3

ISTD Table:

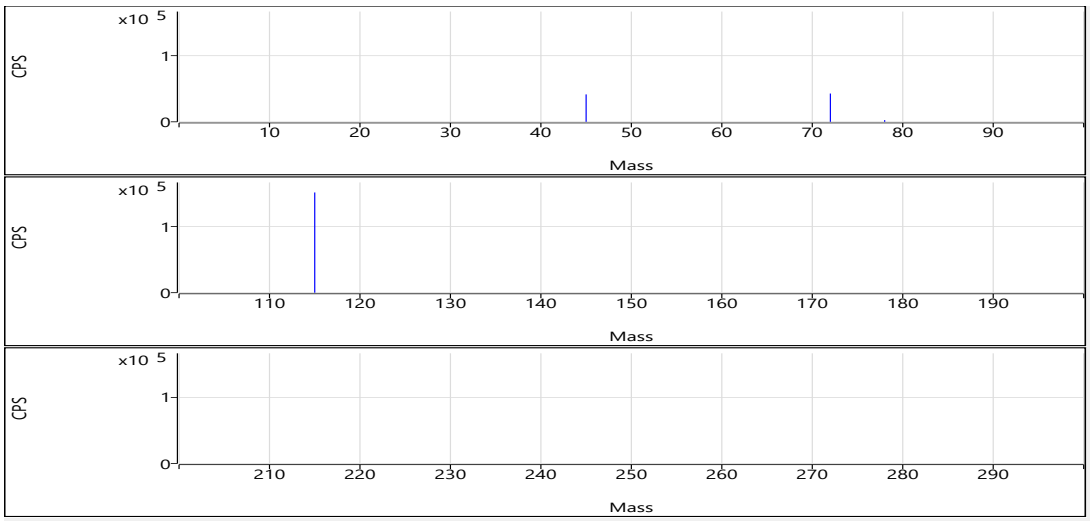
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1047771.34	0.7	100.2	Analog	0.1000	3
No Gas	Ge	72	605116.97	0.7	100.6	Pulse	0.1000	3
H2	Sc	45	41775.97	1.3	98.8	Pulse	0.1000	3
H2	Ge	72	43091.05	0.3	98.2	Pulse	0.1000	3
H2	In	115	152728.91	1.5	101.3	Pulse	0.1000	3
He	Sc	45	11358.31	2.4	99.4	Pulse	0.1000	3
He	Ge	72	24963.14	3.3	98.5	Pulse	0.1000	3
He	In	115	26970.94	2.6	98.8	Pulse	0.1000	3
He	Tb	159	176841.09	1.6	100.3	Pulse	0.1000	3
He	Bi	209	135925.91	2.4	100.8	Pulse	0.1000	3

No Gas

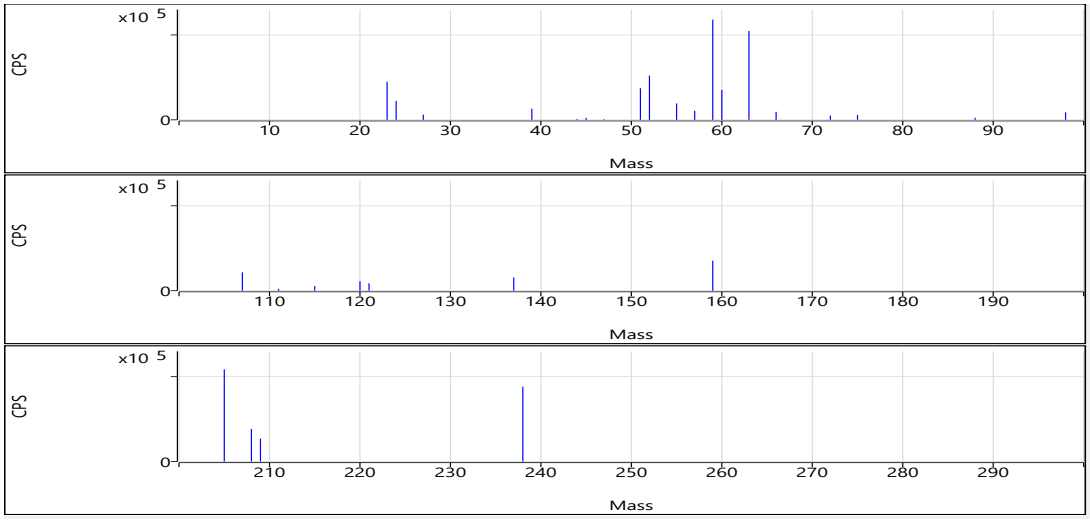


H2



Quantitation Report

He



Quantitation Report

Data File Name	105SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:22:45 PM
Sample Name	LCS 410-684038/2-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

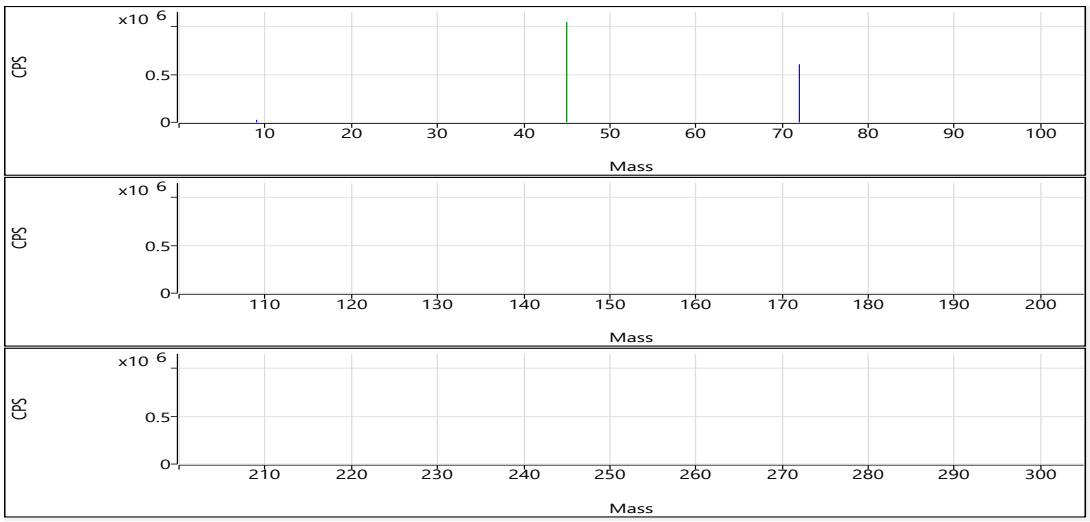
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.862	ug/L	0.7	25243.96	0.0241	Pulse	0.5000	3
Se	78	72	H2	95.990	ppb	1.3	2563.80	0.0580	Pulse	1.5000	3
Na	23	72	He	4771.298	ug/L	0.8	226146.38	8.8824	Pulse	0.1000	3
Mg	24	72	He	4656.071	ug/L	0.9	110523.84	4.3411	Pulse	0.1000	3
Al	27	72	He	4718.956	ug/L	0.4	30620.20	1.2026	Pulse	0.1000	3
K	39	72	He	4828.191	ppb	1.1	66901.11	2.6277	Pulse	0.1000	3
Ca	44	72	He	4982.471	ppb	3.4	4444.19	0.1745	Pulse	0.1000	3
Ti	47	159	He	538.596	ppb	5.4	4024.07	0.0226	Pulse	0.1000	3
V	51	72	He	469.090	ppb	0.1	187720.73	7.3729	Pulse	0.5000	3
Cr	52	45	He	471.205	ppb	4.8	260610.24	22.0137	Pulse	0.1000	3
Mn	55	45	He	470.420	ppb	5.5	97464.55	8.2351	Pulse	0.1000	3
Fe	57	72	He	4735.272	ppb	1.2	53506.04	2.1014	Pulse	0.1000	3
Co	59	72	He	455.149	ppb	0.6	593424.69	23.3076	Pulse	0.1000	3
Ni	60	72	He	475.470	ppb	0.7	176949.80	6.9502	Pulse	0.1000	3
Cu	63	72	He	476.939	ppb	0.3	525860.70	20.6536	Pulse	0.1000	3
Zn	66	72	He	469.779	ppb	1.9	46431.42	1.8238	Pulse	0.1000	3
As	75	45	He	483.228	ppb	4.6	28824.54	2.4348	Pulse	0.5000	3
Sr	88	159	He	48.032	ppb	0.9	12049.02	0.0676	Pulse	0.1000	3
Mo	98	159	He	48.182	ppb	0.8	44984.91	0.2524	Pulse	0.1000	3
Ag	107	159	He	49.482	ppb	0.9	109858.58	0.6165	Pulse	0.1000	3
Cd	111	159	He	49.383	ppb	0.5	10516.79	0.0590	Pulse	0.5000	3
Sn	120	159	He	95.105	ppb	1.1	56194.57	0.3153	Pulse	0.1000	3
Sb	121	159	He	96.806	ppb	2.7	44470.88	0.2496	Pulse	0.1000	3
Ba	137	159	He	487.455	ppb	1.2	78139.21	0.4385	Pulse	0.1000	3
Tl	205	159	He	97.319	ppb	1.2	549082.91	3.0813	Pulse	0.1000	3
Pb	208	159	He	49.355	ppb	2.3	194078.82	1.0891	Pulse	0.1000	3
U	238	209	He	48.713	ppb	1.7	444273.34	3.2375	Pulse	0.1000	3

ISTD Table:

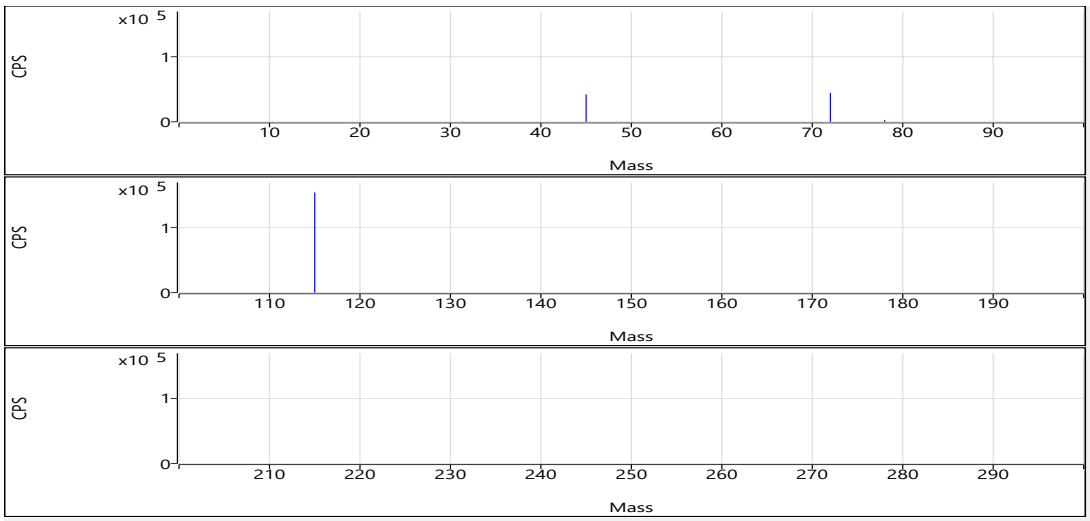
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1046002.33	0.6	100.1	Analog	0.1000	3
No Gas	Ge	72	606061.64	0.9	100.8	Pulse	0.1000	3
H2	Sc	45	41966.42	0.6	99.3	Pulse	0.1000	3
H2	Ge	72	44201.15	1.1	100.8	Pulse	0.1000	3
H2	In	115	153346.58	1.2	101.8	Pulse	0.1000	3
He	Sc	45	11852.02	4.0	103.8	Pulse	0.1000	3
He	Ge	72	25460.60	0.9	100.5	Pulse	0.1000	3
He	In	115	28093.33	1.4	102.9	Pulse	0.1000	3
He	Tb	159	178198.44	0.1	101.0	Pulse	0.1000	3
He	Bi	209	137227.20	0.5	101.8	Pulse	0.1000	3

No Gas

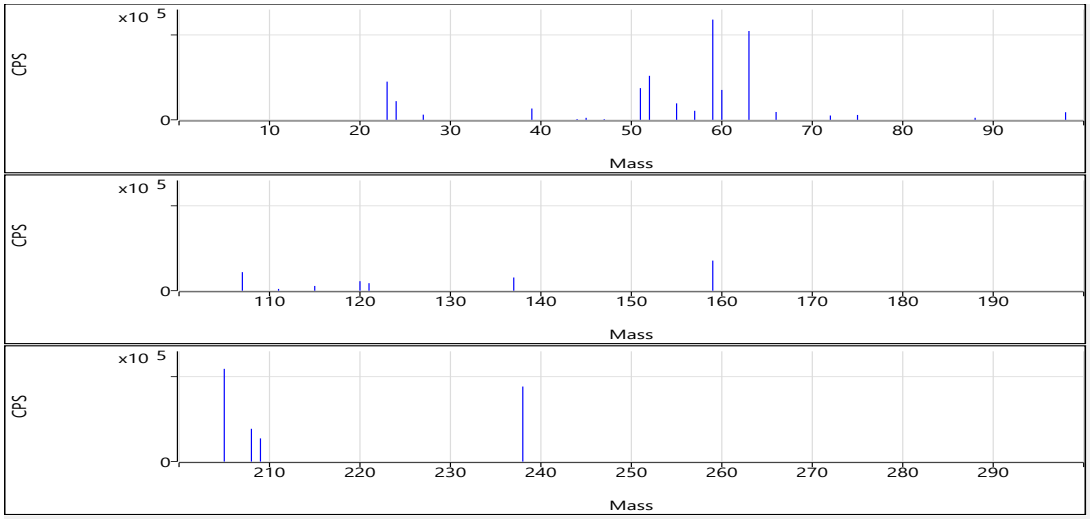


H2



Quantitation Report

He



Quantitation Report

Data File Name	109_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:30:47 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

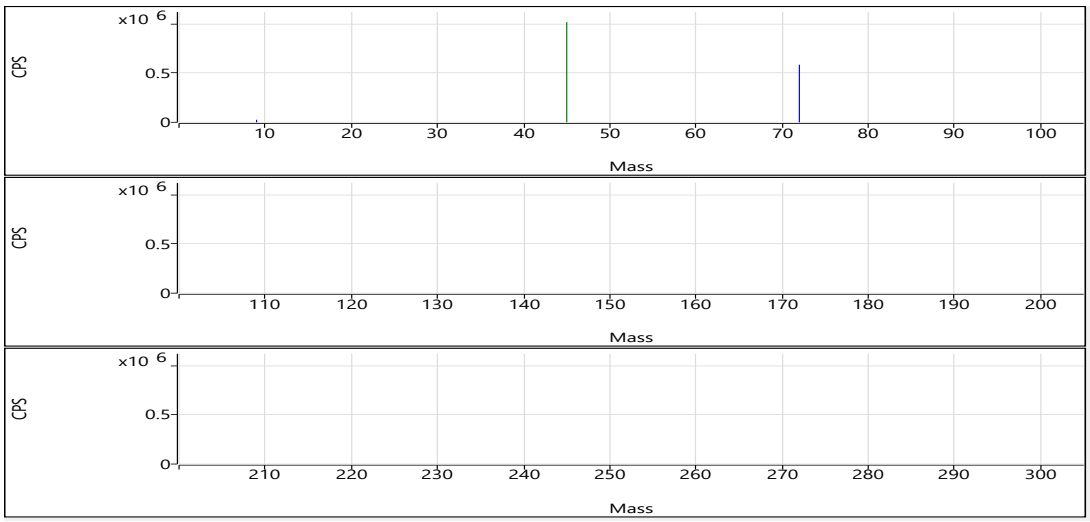
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	49.642	ug/L	0.3	25461.62	0.0250	Pulse	0.5000	3
Se	78	72	H2	51.398	ppb	1.3	1324.73	0.0311	Pulse	1.5000	3
Na	23	72	He	4882.852	ug/L	1.0	224588.99	9.0848	Pulse	0.1000	3
Mg	24	72	He	4869.306	ug/L	1.5	112223.24	4.5397	Pulse	0.1000	3
Al	27	72	He	4938.091	ug/L	1.8	31108.07	1.2584	Pulse	0.1000	3
K	39	72	He	4873.823	ppb	1.8	65555.41	2.6517	Pulse	0.1000	3
Ca	44	72	He	4868.443	ppb	3.1	4217.47	0.1706	Pulse	0.1000	3
Ti	47	159	He	5111.826	ppb	2.6	37597.70	0.2140	Pulse	0.1000	3
V	51	72	He	489.026	ppb	1.8	190001.57	7.6861	Pulse	0.5000	3
Cr	52	45	He	500.211	ppb	3.6	264137.38	23.3661	Pulse	0.1000	3
Mn	55	45	He	501.735	ppb	3.6	99286.78	8.7829	Pulse	0.1000	3
Fe	57	72	He	4876.344	ppb	2.8	53489.37	2.1639	Pulse	0.1000	3
Co	59	72	He	472.972	ppb	1.5	598740.84	24.2201	Pulse	0.1000	3
Ni	60	72	He	496.350	ppb	0.8	179357.02	7.2551	Pulse	0.1000	3
Cu	63	72	He	491.815	ppb	1.5	526490.97	21.2976	Pulse	0.1000	3
Zn	66	72	He	483.457	ppb	2.6	46394.75	1.8769	Pulse	0.1000	3
As	75	45	He	500.507	ppb	4.0	28505.19	2.5219	Pulse	0.5000	3
Sr	88	159	He	50.103	ppb	3.2	12376.01	0.0704	Pulse	0.1000	3
Mo	98	159	He	49.610	ppb	2.7	45663.75	0.2599	Pulse	0.1000	3
Ag	107	159	He	49.684	ppb	1.4	108753.62	0.6190	Pulse	0.1000	3
Cd	111	159	He	49.733	ppb	0.7	10442.73	0.0594	Pulse	0.5000	3
Sn	120	159	He	48.967	ppb	1.4	29432.93	0.1675	Pulse	0.1000	3
Sb	121	159	He	49.810	ppb	2.2	22566.39	0.1284	Pulse	0.1000	3
Ba	137	159	He	491.702	ppb	1.3	77703.59	0.4423	Pulse	0.1000	3
Tl	205	159	He	50.195	ppb	1.6	279364.58	1.5899	Pulse	0.1000	3
Pb	208	159	He	50.026	ppb	1.5	193968.86	1.1039	Pulse	0.1000	3
U	238	209	He	49.783	ppb	0.7	448519.20	3.3086	Pulse	0.1000	3

ISTD Table:

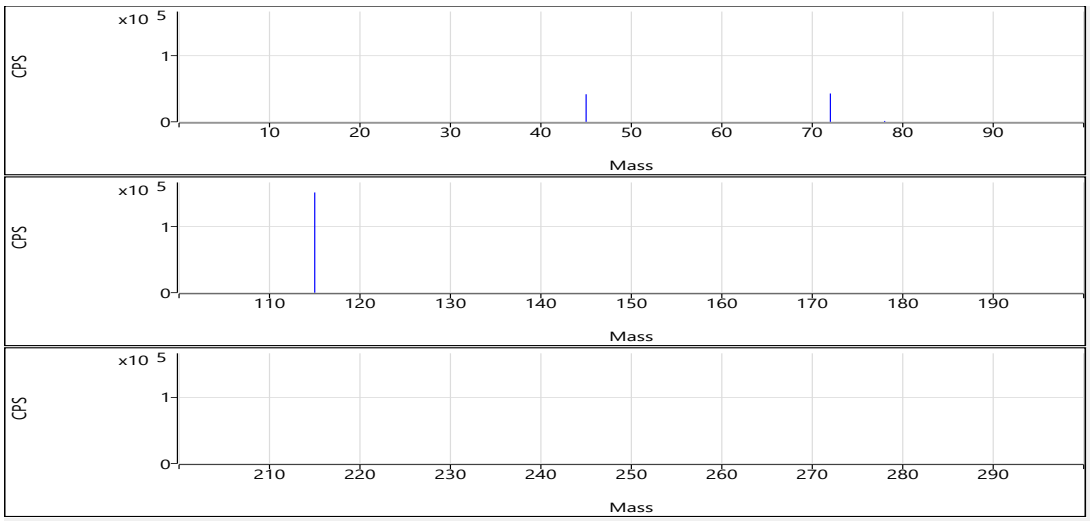
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1017200.61	0.2	97.3	Analog	0.1000	3
No Gas	Ge	72	584121.58	0.1	97.1	Pulse	0.1000	3
H2	Sc	45	41475.07	2.1	98.1	Pulse	0.1000	3
H2	Ge	72	42623.19	1.7	97.2	Pulse	0.1000	3
H2	In	115	150846.16	1.5	100.1	Pulse	0.1000	3
He	Sc	45	11311.57	2.8	99.0	Pulse	0.1000	3
He	Ge	72	24722.70	0.9	97.6	Pulse	0.1000	3
He	In	115	26920.95	1.8	98.6	Pulse	0.1000	3
He	Tb	159	175698.78	0.5	99.6	Pulse	0.1000	3
He	Bi	209	135558.92	1.1	100.5	Pulse	0.1000	3

No Gas

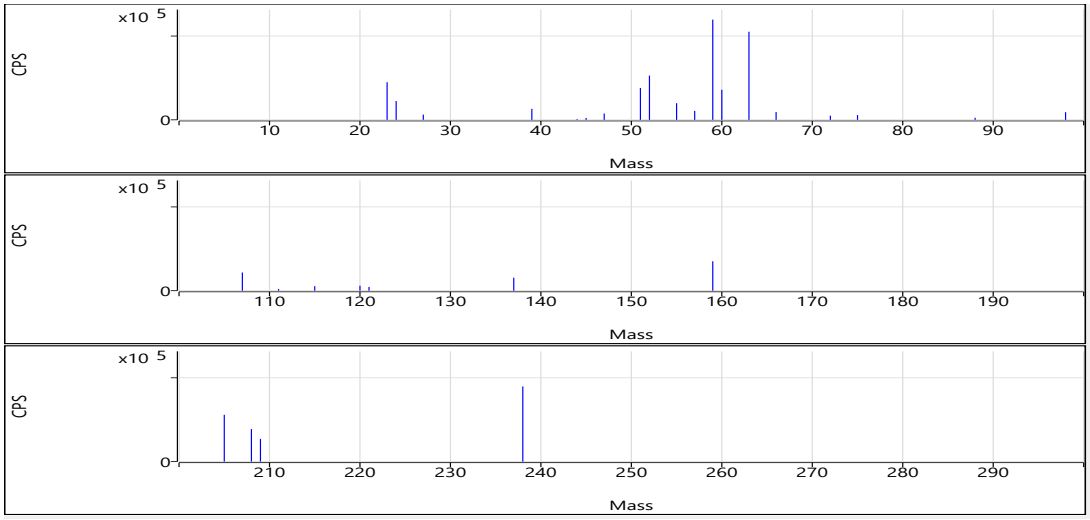


H2



Quantitation Report

He



Quantitation Report

Data File Name	111_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:34:47 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

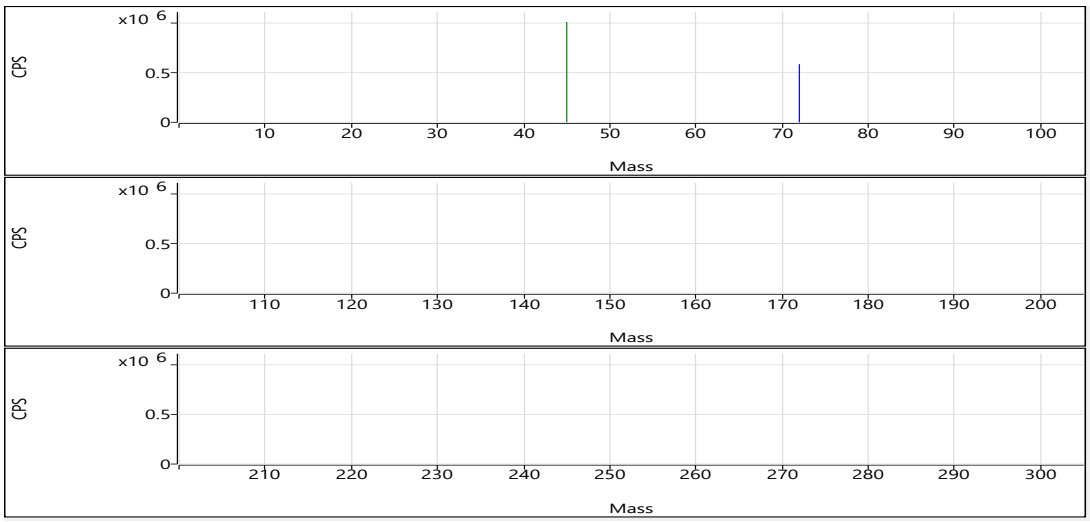
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.006	ug/L	124.8	28.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.058	ppb	N/A	0.67	0.0000	Pulse	1.5000	3
Na	23	72	He	-11.506	ug/L	N/A	4971.04	0.2024	Pulse	0.1000	3
Mg	24	72	He	1.391	ug/L	57.4	186.68	0.0076	Pulse	0.1000	3
Al	27	72	He	1.872	ug/L	189.1	56.67	0.0023	Pulse	0.1000	3
K	39	72	He	2.920	ppb	134.8	2000.22	0.0814	Pulse	0.1000	3
Ca	44	72	He	39.532	ppb	101.2	56.67	0.0023	Pulse	0.1000	3
Ti	47	159	He	0.466	ppb	508.9	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.089	ppb	22.9	147.33	0.0060	Pulse	0.5000	3
Cr	52	45	He	-0.226	ppb	N/A	386.69	0.0337	Pulse	0.1000	3
Mn	55	45	He	-0.062	ppb	N/A	40.00	0.0035	Pulse	0.1000	3
Fe	57	72	He	4.855	ppb	16.2	140.01	0.0057	Pulse	0.1000	3
Co	59	72	He	0.000	ppb	10070.3	106.67	0.0044	Pulse	0.1000	3
Ni	60	72	He	0.051	ppb	222.5	166.67	0.0068	Pulse	0.1000	3
Cu	63	72	He	0.026	ppb	241.2	156.67	0.0064	Pulse	0.1000	3
Zn	66	72	He	-0.157	ppb	N/A	33.33	0.0014	Pulse	0.1000	3
As	75	45	He	-0.009	ppb	N/A	10.00	0.0009	Pulse	0.5000	3
Sr	88	159	He	0.030	ppb	1707.6	363.35	0.0021	Pulse	0.1000	3
Mo	98	159	He	0.029	ppb	78.2	86.67	0.0005	Pulse	0.1000	3
Ag	107	159	He	0.011	ppb	108.4	53.33	0.0003	Pulse	0.1000	3
Cd	111	159	He	-0.003	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.135	ppb	N/A	1790.19	0.0102	Pulse	0.1000	3
Sb	121	159	He	0.015	ppb	4.7	20.00	0.0001	Pulse	0.1000	3
Ba	137	159	He	-0.997	ppb	N/A	693.38	0.0040	Pulse	0.1000	3
Tl	205	159	He	0.000	ppb	698.7	243.35	0.0014	Pulse	0.1000	3
Pb	208	159	He	-0.006	ppb	N/A	136.67	0.0008	Pulse	0.1000	3
U	238	209	He	0.000	ppb	N/A	166.68	0.0012	Pulse	0.1000	3

ISTD Table:

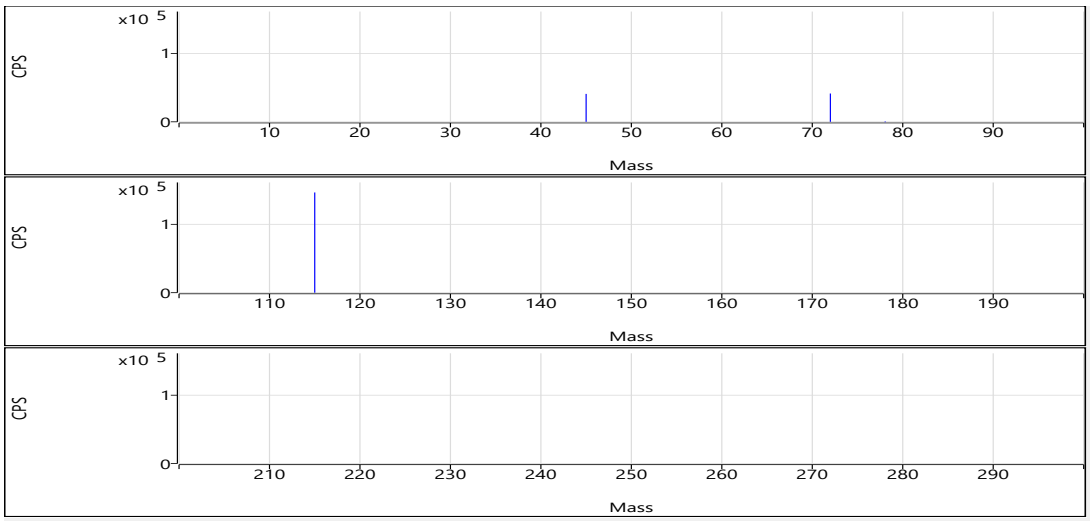
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1009569.62	1.0	96.6	Analog	0.1000	3
No Gas	Ge	72	585571.92	1.5	97.4	Pulse	0.1000	3
H2	Sc	45	41157.55	2.3	97.4	Pulse	0.1000	3
H2	Ge	72	41720.00	1.5	95.1	Pulse	0.1000	3
H2	In	115	147771.48	2.0	98.1	Pulse	0.1000	3
He	Sc	45	11444.97	1.3	100.2	Pulse	0.1000	3
He	Ge	72	24552.46	2.2	96.9	Pulse	0.1000	3
He	In	115	26289.61	2.8	96.3	Pulse	0.1000	3
He	Tb	159	175457.28	1.6	99.5	Pulse	0.1000	3
He	Bi	209	134967.50	0.9	100.1	Pulse	0.1000	3

No Gas

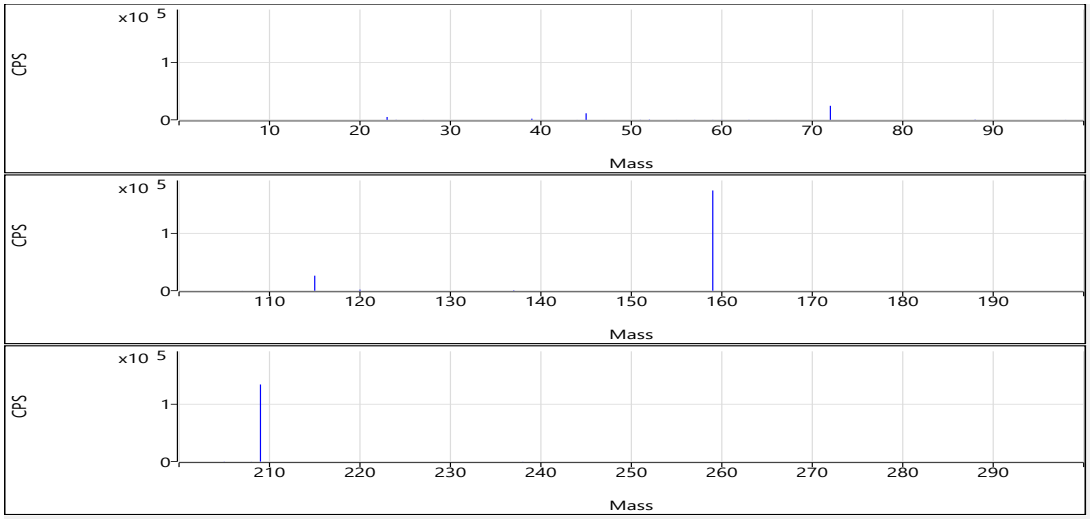


H2



Quantitation Report

He



Quantitation Report

Data File Name	112SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:36:48 PM
Sample Name	LCS 410-683864/2-A
Sample Type	Sample
Comment	MS-D16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

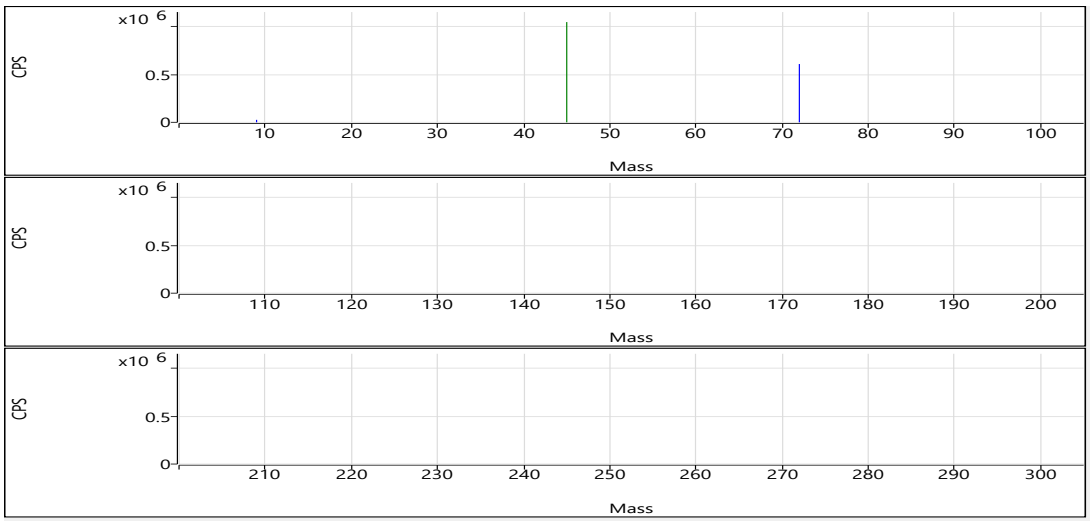
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.468	ug/L	1.9	25621.27	0.0244	Pulse	0.5000	3
Se	78	72	H2	98.858	ppb	2.2	2606.47	0.0597	Pulse	1.5000	3
Na	23	72	He	4789.498	ug/L	0.8	226901.02	8.9154	Pulse	0.1000	3
Mg	24	72	He	4703.058	ug/L	0.6	111596.07	4.3849	Pulse	0.1000	3
Al	27	72	He	4693.739	ug/L	2.0	30443.13	1.1962	Pulse	0.1000	3
K	39	72	He	4792.682	ppb	0.5	66398.92	2.6089	Pulse	0.1000	3
Ca	44	72	He	4710.804	ppb	5.5	4200.78	0.1651	Pulse	0.1000	3
Ti	47	159	He	504.783	ppb	3.3	3783.97	0.0212	Pulse	0.1000	3
V	51	72	He	471.092	ppb	0.0	188446.59	7.4044	Pulse	0.5000	3
Cr	52	45	He	472.272	ppb	4.5	262646.98	22.0635	Pulse	0.1000	3
Mn	55	45	He	470.987	ppb	3.5	98182.36	8.2450	Pulse	0.1000	3
Fe	57	72	He	4728.936	ppb	1.4	53409.24	2.0986	Pulse	0.1000	3
Co	59	72	He	460.065	ppb	0.5	599590.98	23.5593	Pulse	0.1000	3
Ni	60	72	He	478.870	ppb	0.4	178151.59	6.9998	Pulse	0.1000	3
Cu	63	72	He	477.848	ppb	0.6	526647.61	20.6929	Pulse	0.1000	3
Zn	66	72	He	482.044	ppb	1.8	47629.12	1.8714	Pulse	0.1000	3
As	75	45	He	484.570	ppb	3.4	29075.68	2.4416	Pulse	0.5000	3
Sr	88	159	He	50.076	ppb	3.6	12576.22	0.0704	Pulse	0.1000	3
Mo	98	159	He	48.617	ppb	2.6	45500.16	0.2547	Pulse	0.1000	3
Ag	107	159	He	49.158	ppb	3.1	109402.18	0.6125	Pulse	0.1000	3
Cd	111	159	He	49.570	ppb	2.6	10582.17	0.0592	Pulse	0.5000	3
Sn	120	159	He	97.015	ppb	3.8	57426.38	0.3215	Pulse	0.1000	3
Sb	121	159	He	97.527	ppb	1.1	44919.29	0.2514	Pulse	0.1000	3
Ba	137	159	He	490.123	ppb	3.1	78745.80	0.4409	Pulse	0.1000	3
Tl	205	159	He	98.663	ppb	1.1	558115.08	3.1238	Pulse	0.1000	3
Pb	208	159	He	49.607	ppb	1.8	195562.45	1.0947	Pulse	0.1000	3
U	238	209	He	48.671	ppb	0.8	448833.56	3.2347	Pulse	0.1000	3

ISTD Table:

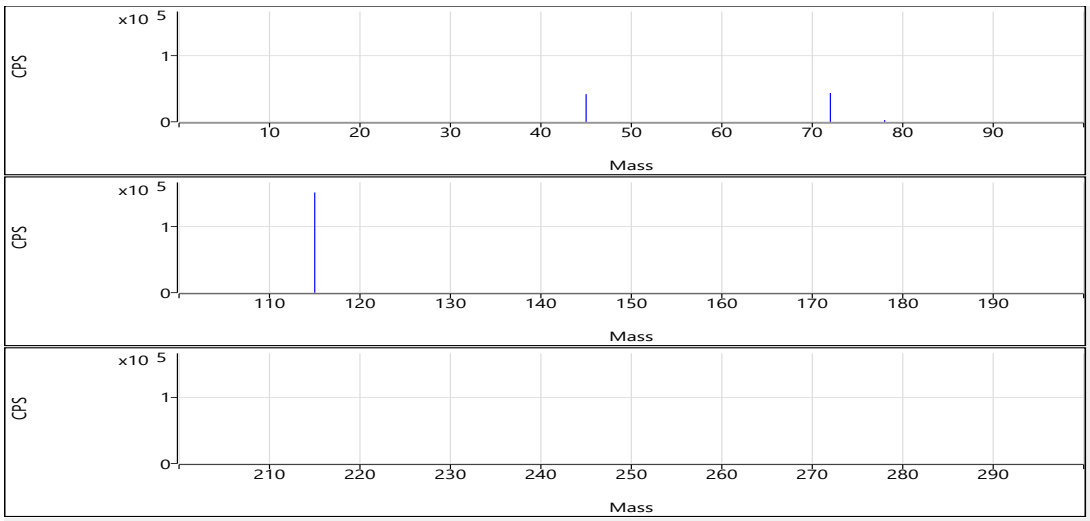
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1048376.57	0.3	100.3	Analog	0.1000	3
No Gas	Ge	72	609339.11	0.9	101.3	Pulse	0.1000	3
H2	Sc	45	41772.56	0.9	98.8	Pulse	0.1000	3
H2	Ge	72	43639.38	1.5	99.5	Pulse	0.1000	3
H2	In	115	151562.96	0.5	100.6	Pulse	0.1000	3
He	Sc	45	11922.12	5.1	104.4	Pulse	0.1000	3
He	Ge	72	25450.63	0.4	100.5	Pulse	0.1000	3
He	In	115	27495.55	1.0	100.7	Pulse	0.1000	3
He	Tb	159	178691.61	2.1	101.3	Pulse	0.1000	3
He	Bi	209	138760.23	1.9	102.9	Pulse	0.1000	3

No Gas

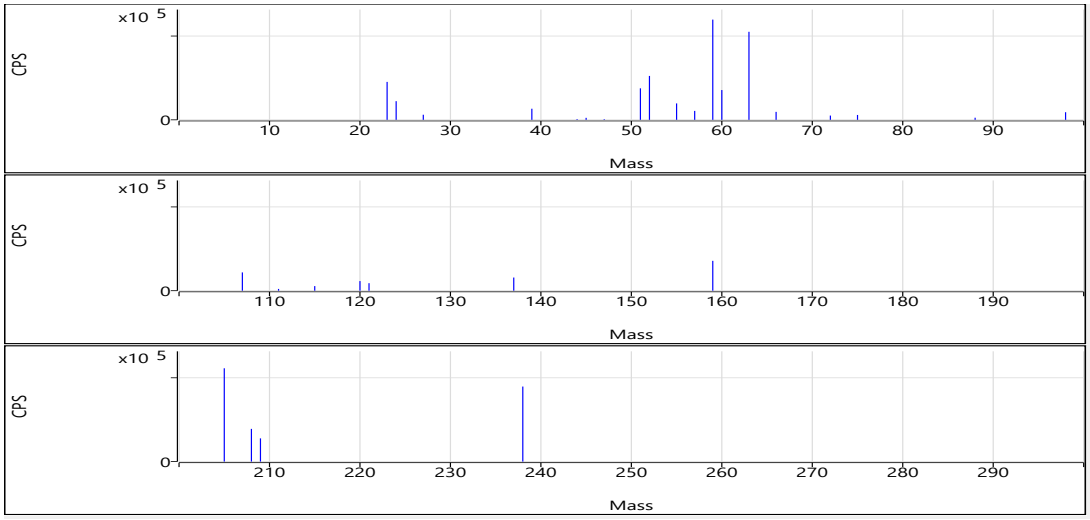


H2



Quantitation Report

He



Quantitation Report

Data File Name	114_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:43:07 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

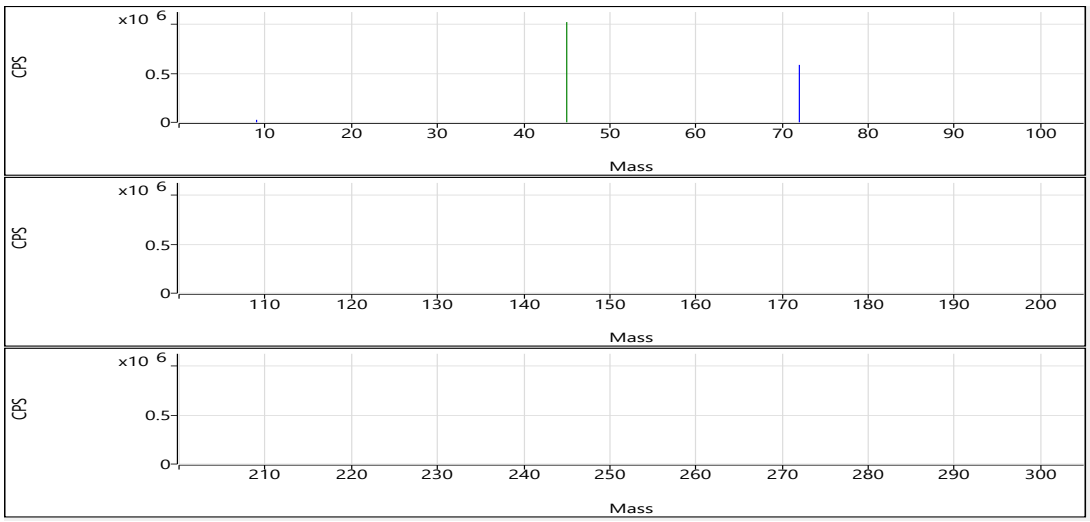
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.765	ug/L	1.8	25145.79	0.0246	Pulse	0.5000	3
Se	78	72	H2	50.964	ppb	3.3	1293.84	0.0308	Pulse	1.5000	3
Na	23	72	He	4910.285	ug/L	2.2	225017.55	9.1346	Pulse	0.1000	3
Mg	24	72	He	4931.959	ug/L	1.8	113269.10	4.5980	Pulse	0.1000	3
Al	27	72	He	4935.443	ug/L	2.0	30984.46	1.2577	Pulse	0.1000	3
K	39	72	He	4914.707	ppb	1.7	65863.49	2.6733	Pulse	0.1000	3
Ca	44	72	He	5117.377	ppb	16.2	4404.19	0.1792	Pulse	0.1000	3
Ti	47	159	He	5012.280	ppb	6.6	37086.36	0.2098	Pulse	0.1000	3
V	51	72	He	490.877	ppb	2.5	190037.55	7.7152	Pulse	0.5000	3
Cr	52	45	He	503.508	ppb	3.0	265140.96	23.5198	Pulse	0.1000	3
Mn	55	45	He	503.293	ppb	4.1	99286.55	8.8102	Pulse	0.1000	3
Fe	57	72	He	4895.467	ppb	2.5	53509.42	2.1724	Pulse	0.1000	3
Co	59	72	He	476.602	ppb	3.3	601074.66	24.4060	Pulse	0.1000	3
Ni	60	72	He	497.374	ppb	3.4	179043.01	7.2700	Pulse	0.1000	3
Cu	63	72	He	495.617	ppb	3.2	528585.60	21.4622	Pulse	0.1000	3
Zn	66	72	He	486.244	ppb	1.5	46505.04	1.8877	Pulse	0.1000	3
As	75	45	He	508.553	ppb	4.3	28875.28	2.5624	Pulse	0.5000	3
Sr	88	159	He	48.856	ppb	8.6	12145.80	0.0687	Pulse	0.1000	3
Mo	98	159	He	50.033	ppb	2.4	46359.67	0.2621	Pulse	0.1000	3
Ag	107	159	He	49.543	ppb	2.1	109173.22	0.6173	Pulse	0.1000	3
Cd	111	159	He	50.599	ppb	2.6	10694.26	0.0605	Pulse	0.5000	3
Sn	120	159	He	47.643	ppb	1.0	28888.37	0.1633	Pulse	0.1000	3
Sb	121	159	He	49.972	ppb	2.8	22793.41	0.1289	Pulse	0.1000	3
Ba	137	159	He	501.024	ppb	1.6	79698.64	0.4506	Pulse	0.1000	3
Tl	205	159	He	50.461	ppb	0.4	282775.62	1.5984	Pulse	0.1000	3
Pb	208	159	He	50.151	ppb	0.2	195795.16	1.1067	Pulse	0.1000	3
U	238	209	He	48.774	ppb	2.0	451142.86	3.2416	Pulse	0.1000	3

ISTD Table:

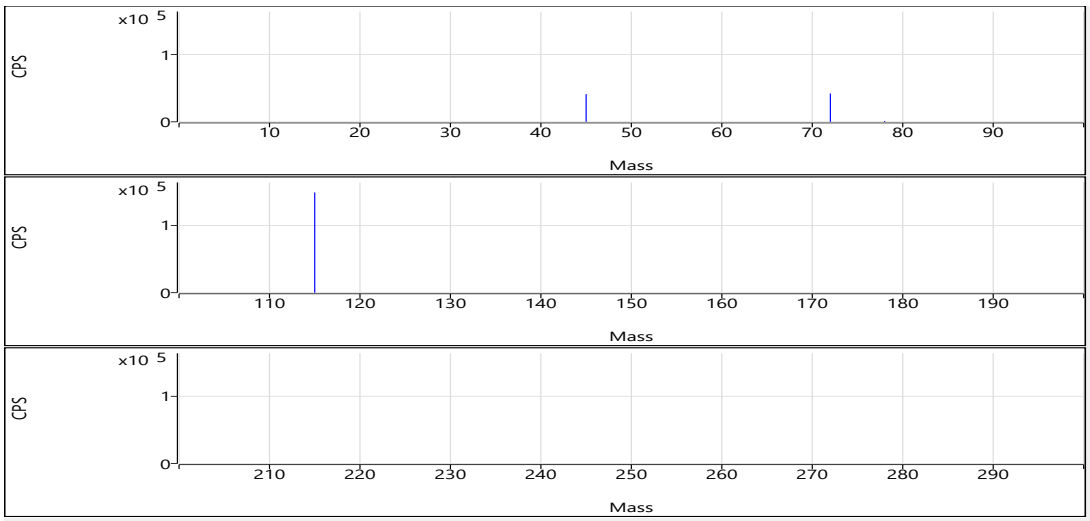
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1022614.18	0.2	97.8	Analog	0.1000	3
No Gas	Ge	72	585824.86	0.6	97.4	Pulse	0.1000	3
H2	Sc	45	41074.08	1.8	97.2	Pulse	0.1000	3
H2	Ge	72	41977.78	1.2	95.7	Pulse	0.1000	3
H2	In	115	148692.57	1.5	98.7	Pulse	0.1000	3
He	Sc	45	11281.57	4.0	98.8	Pulse	0.1000	3
He	Ge	72	24642.57	2.7	97.3	Pulse	0.1000	3
He	In	115	27318.32	2.7	100.1	Pulse	0.1000	3
He	Tb	159	176925.68	2.4	100.3	Pulse	0.1000	3
He	Bi	209	139164.03	1.4	103.2	Pulse	0.1000	3

No Gas

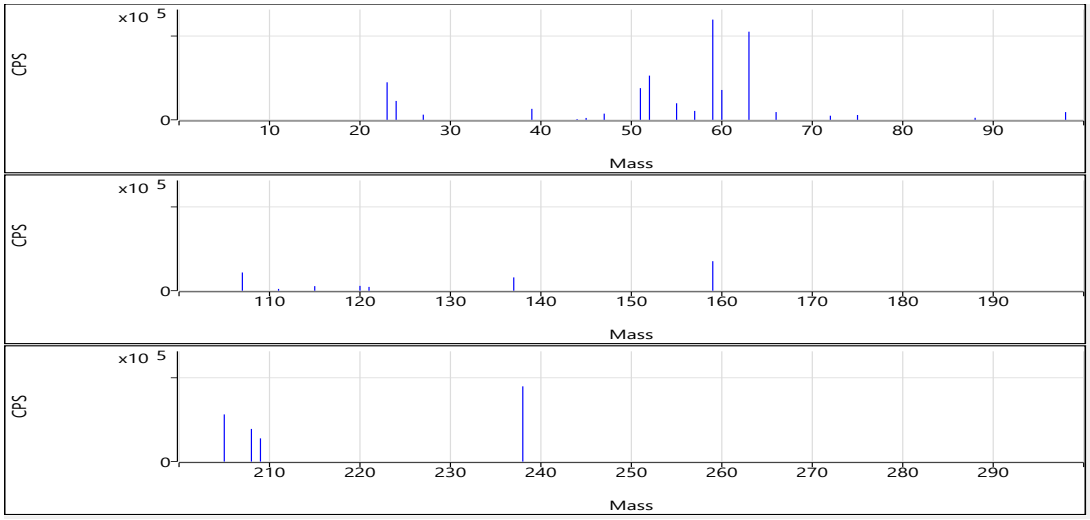


H2



Quantitation Report

He



Quantitation Report

Data File Name	116_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:47:07 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

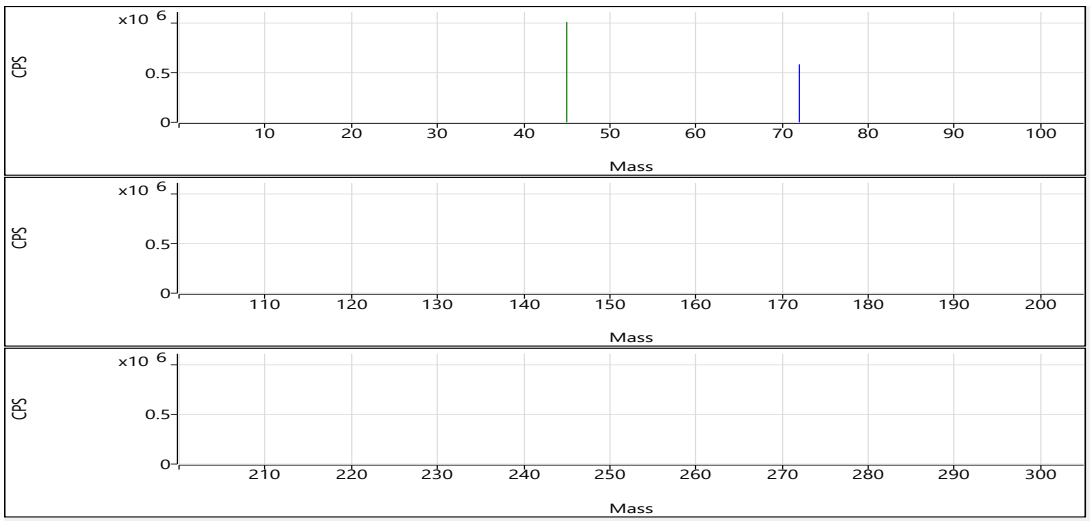
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.011	ug/L	84.9	30.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.033	ppb	N/A	1.33	0.0000	Pulse	1.5000	3
Na	23	72	He	-8.664	ug/L	N/A	5021.08	0.2076	Pulse	0.1000	3
Mg	24	72	He	-1.465	ug/L	N/A	120.01	0.0050	Pulse	0.1000	3
Al	27	72	He	-0.710	ug/L	N/A	40.00	0.0017	Pulse	0.1000	3
K	39	72	He	6.319	ppb	270.8	2013.55	0.0832	Pulse	0.1000	3
Ca	44	72	He	36.713	ppb	34.6	53.33	0.0022	Pulse	0.1000	3
Ti	47	159	He	0.447	ppb	301.2	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.044	ppb	125.0	128.00	0.0053	Pulse	0.5000	3
Cr	52	45	He	-0.134	ppb	N/A	416.69	0.0381	Pulse	0.1000	3
Mn	55	45	He	-0.066	ppb	N/A	36.67	0.0034	Pulse	0.1000	3
Fe	57	72	He	4.434	ppb	44.6	133.34	0.0055	Pulse	0.1000	3
Co	59	72	He	0.007	ppb	315.9	113.34	0.0047	Pulse	0.1000	3
Ni	60	72	He	0.145	ppb	96.1	196.68	0.0082	Pulse	0.1000	3
Cu	63	72	He	0.038	ppb	59.7	166.68	0.0069	Pulse	0.1000	3
Zn	66	72	He	-0.189	ppb	N/A	30.00	0.0012	Pulse	0.1000	3
As	75	45	He	-0.037	ppb	N/A	8.00	0.0007	Pulse	0.5000	3
Sr	88	159	He	-0.246	ppb	N/A	296.68	0.0017	Pulse	0.1000	3
Mo	98	159	He	0.000	ppb	28826.4	60.00	0.0003	Pulse	0.1000	3
Ag	107	159	He	-0.008	ppb	N/A	13.33	0.0001	Pulse	0.1000	3
Cd	111	159	He	0.000	ppb	6003.1	3.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.263	ppb	N/A	1723.51	0.0098	Pulse	0.1000	3
Sb	121	159	He	0.044	ppb	27.5	33.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	-0.715	ppb	N/A	740.05	0.0042	Pulse	0.1000	3
Tl	205	159	He	0.005	ppb	101.2	270.01	0.0015	Pulse	0.1000	3
Pb	208	159	He	0.005	ppb	466.6	183.34	0.0010	Pulse	0.1000	3
U	238	209	He	0.006	ppb	94.6	226.68	0.0017	Pulse	0.1000	3

ISTD Table:

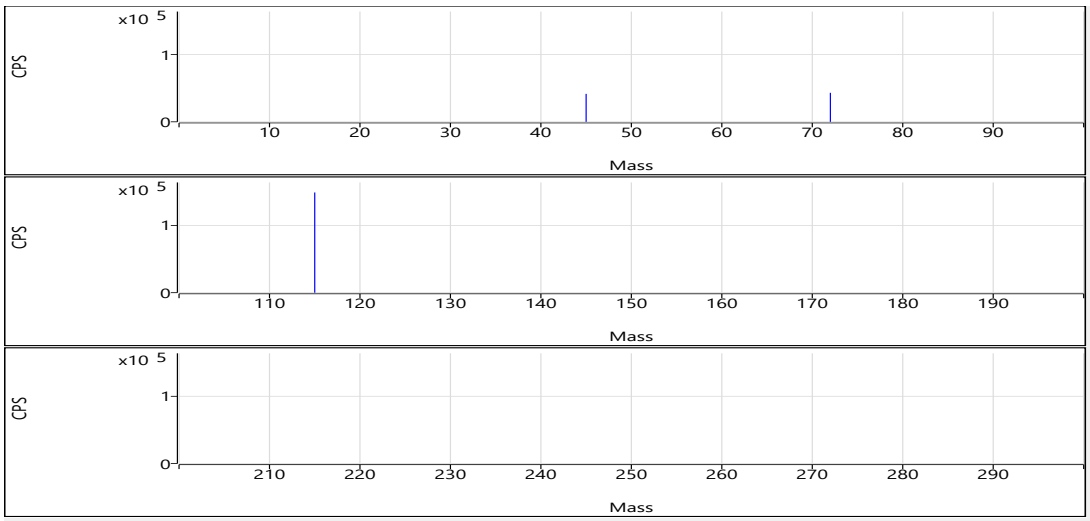
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1010855.66	0.6	96.7	Analog	0.1000	3
No Gas	Ge	72	584667.59	1.1	97.2	Pulse	0.1000	3
H2	Sc	45	41481.88	0.4	98.1	Pulse	0.1000	3
H2	Ge	72	43030.79	3.9	98.1	Pulse	0.1000	3
H2	In	115	148680.05	1.3	98.7	Pulse	0.1000	3
He	Sc	45	10917.88	4.2	95.6	Pulse	0.1000	3
He	Ge	72	24188.44	3.0	95.5	Pulse	0.1000	3
He	In	115	26854.02	0.6	98.4	Pulse	0.1000	3
He	Tb	159	175897.02	0.9	99.7	Pulse	0.1000	3
He	Bi	209	137388.34	2.3	101.9	Pulse	0.1000	3

No Gas

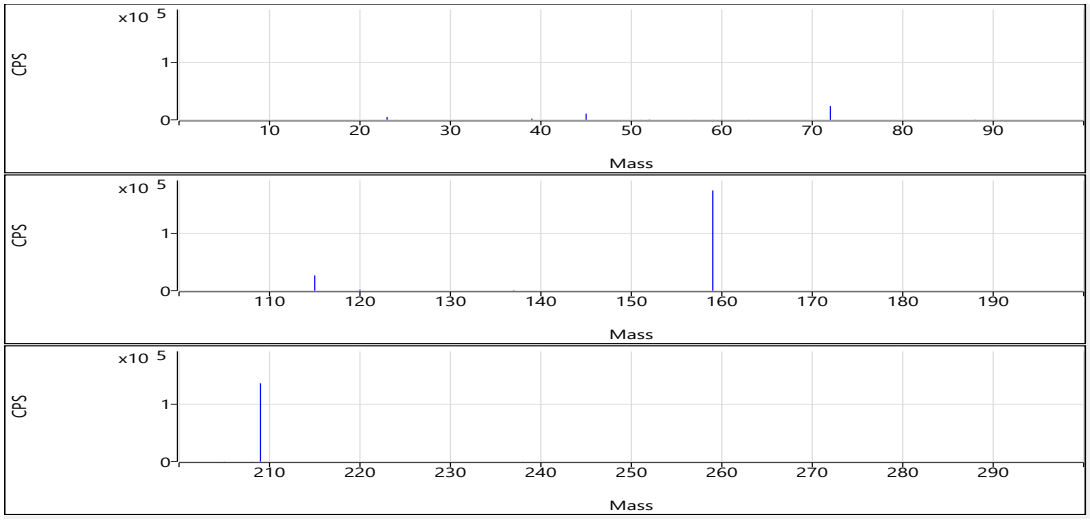


H2



Quantitation Report

He



Quantitation Report

Data File Name	117SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:55:05 PM
Sample Name	410-231908-A-1-A
Sample Type	Sample
Comment	MS-D16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

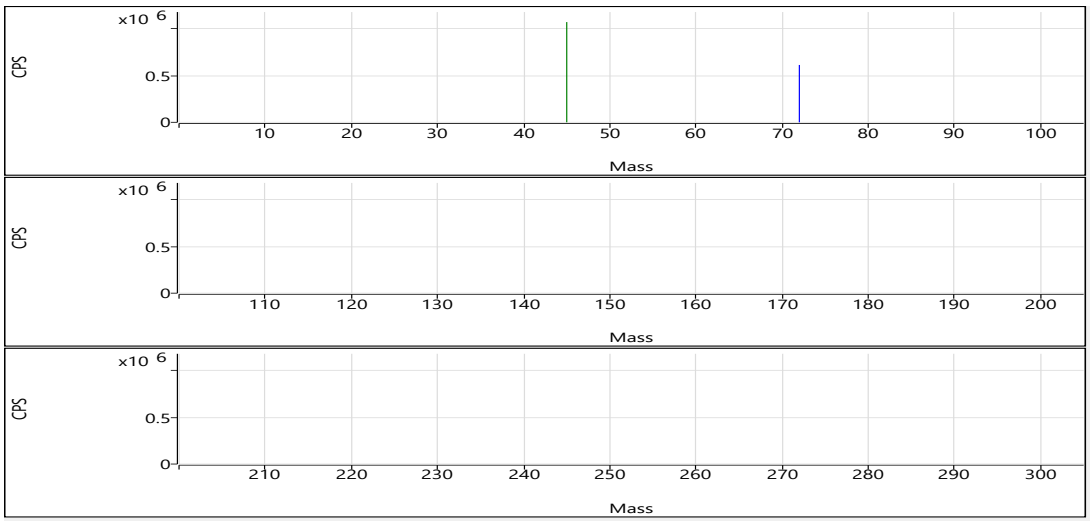
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.002	ug/L	N/A	25.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.051	ppb	N/A	0.89	0.0000	Pulse	1.5000	3
Na	23	72	He	-10.892	ug/L	N/A	5174.46	0.2036	Pulse	0.1000	3
Mg	24	72	He	-1.443	ug/L	N/A	126.67	0.0050	Pulse	0.1000	3
Al	27	72	He	-1.532	ug/L	N/A	36.67	0.0015	Pulse	0.1000	3
K	39	72	He	0.887	ppb	3299.7	2040.21	0.0804	Pulse	0.1000	3
Ca	44	72	He	11.261	ppb	64.0	33.33	0.0013	Pulse	0.1000	3
Ti	47	159	He	0.825	ppb	240.3	13.33	0.0001	Pulse	0.1000	3
V	51	72	He	-0.033	ppb	N/A	104.00	0.0041	Pulse	0.5000	3
Cr	52	45	He	-0.306	ppb	N/A	346.68	0.0300	Pulse	0.1000	3
Mn	55	45	He	0.054	ppb	464.4	63.34	0.0055	Pulse	0.1000	3
Fe	57	72	He	9.742	ppb	11.1	200.01	0.0079	Pulse	0.1000	3
Co	59	72	He	0.005	ppb	419.6	116.67	0.0046	Pulse	0.1000	3
Ni	60	72	He	-0.021	ppb	N/A	146.67	0.0057	Pulse	0.1000	3
Cu	63	72	He	0.315	ppb	16.1	480.03	0.0189	Pulse	0.1000	3
Zn	66	72	He	0.708	ppb	25.1	120.00	0.0047	Pulse	0.1000	3
As	75	45	He	-0.033	ppb	N/A	8.67	0.0008	Pulse	0.5000	3
Sr	88	159	He	-0.488	ppb	N/A	250.01	0.0014	Pulse	0.1000	3
Mo	98	159	He	-0.041	ppb	N/A	23.33	0.0001	Pulse	0.1000	3
Ag	107	159	He	-0.005	ppb	N/A	20.00	0.0001	Pulse	0.1000	3
Cd	111	159	He	-0.007	ppb	N/A	2.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.715	ppb	N/A	1540.14	0.0083	Pulse	0.1000	3
Sb	121	159	He	0.055	ppb	101.5	40.00	0.0002	Pulse	0.1000	3
Ba	137	159	He	-0.872	ppb	N/A	750.05	0.0041	Pulse	0.1000	3
Tl	205	159	He	-0.016	ppb	N/A	163.34	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.006	ppb	221.5	193.34	0.0010	Pulse	0.1000	3
U	238	209	He	-0.003	ppb	N/A	153.34	0.0011	Pulse	0.1000	3

ISTD Table:

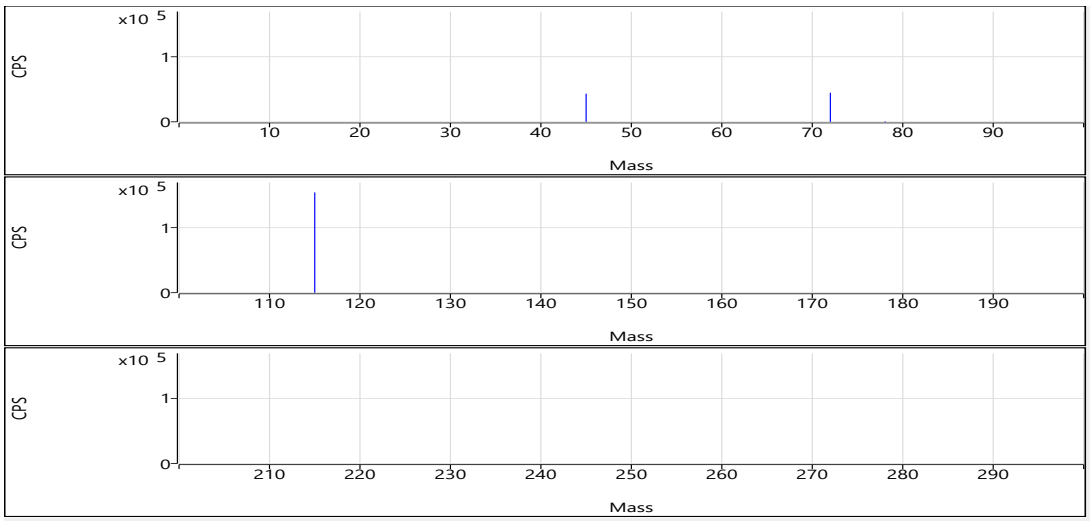
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1070276.55	0.8	102.4	Analog	0.1000	3
No Gas	Ge	72	612206.35	0.3	101.8	Pulse	0.1000	3
H2	Sc	45	43310.61	2.2	102.5	Pulse	0.1000	3
H2	Ge	72	44769.75	1.7	102.1	Pulse	0.1000	3
H2	In	115	154226.08	0.6	102.3	Pulse	0.1000	3
He	Sc	45	11571.79	1.3	101.3	Pulse	0.1000	3
He	Ge	72	25440.72	1.9	100.4	Pulse	0.1000	3
He	In	115	27622.22	1.3	101.2	Pulse	0.1000	3
He	Tb	159	184481.21	0.2	104.6	Pulse	0.1000	3
He	Bi	209	140908.98	2.4	104.5	Pulse	0.1000	3

No Gas

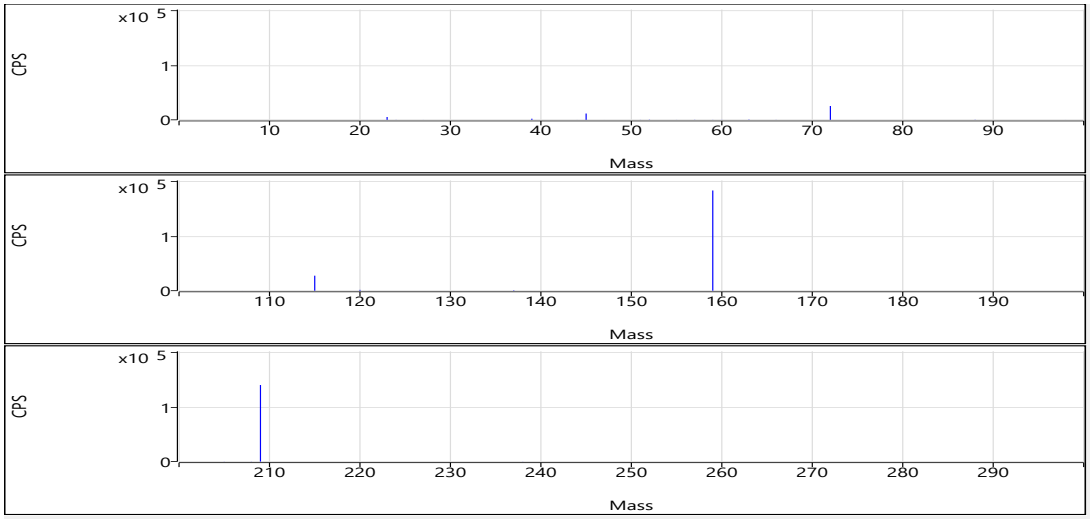


H2



Quantitation Report

He



Quantitation Report

Data File Name	118SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:57:07 PM
Sample Name	410-231908-A-1-B DU
Sample Type	Sample
Comment	MS-D16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

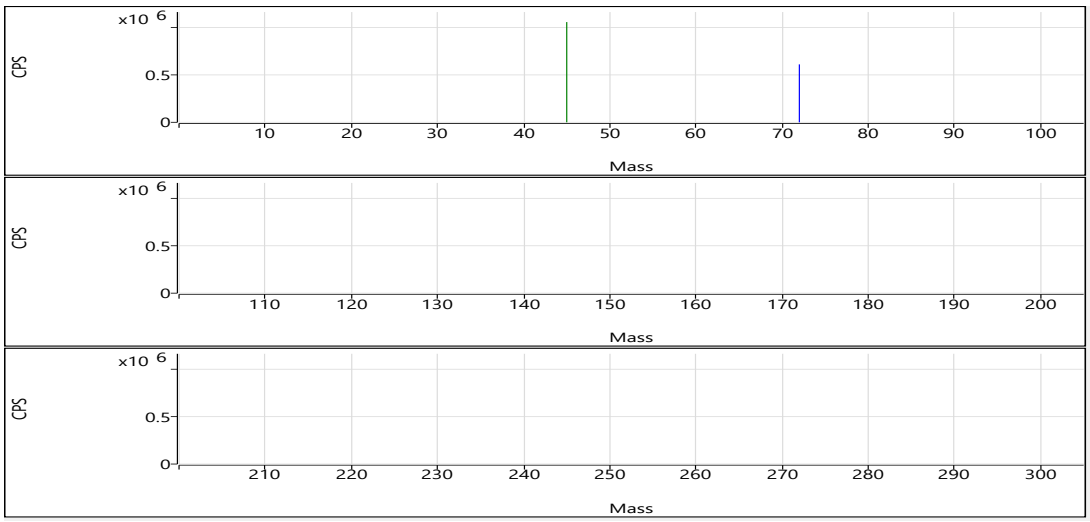
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.008	ug/L	N/A	22.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.052	ppb	N/A	0.89	0.0000	Pulse	1.5000	3
Na	23	72	He	-14.741	ug/L	N/A	4931.02	0.1966	Pulse	0.1000	3
Mg	24	72	He	0.210	ug/L	317.4	163.34	0.0065	Pulse	0.1000	3
Al	27	72	He	-1.505	ug/L	N/A	36.67	0.0015	Pulse	0.1000	3
K	39	72	He	6.434	ppb	214.3	2090.23	0.0833	Pulse	0.1000	3
Ca	44	72	He	-7.410	ppb	N/A	16.67	0.0007	Pulse	0.1000	3
Ti	47	159	He	0.401	ppb	325.5	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.011	ppb	223.5	120.00	0.0048	Pulse	0.5000	3
Cr	52	45	He	-0.162	ppb	N/A	430.02	0.0367	Pulse	0.1000	3
Mn	55	45	He	-0.033	ppb	N/A	46.67	0.0040	Pulse	0.1000	3
Fe	57	72	He	0.692	ppb	162.4	96.67	0.0039	Pulse	0.1000	3
Co	59	72	He	0.001	ppb	2032.0	110.00	0.0044	Pulse	0.1000	3
Ni	60	72	He	0.004	ppb	2008.1	153.34	0.0061	Pulse	0.1000	3
Cu	63	72	He	0.348	ppb	14.1	510.03	0.0203	Pulse	0.1000	3
Zn	66	72	He	0.756	ppb	73.6	123.34	0.0049	Pulse	0.1000	3
As	75	45	He	-0.058	ppb	N/A	7.33	0.0006	Pulse	0.5000	3
Sr	88	159	He	-0.237	ppb	N/A	310.02	0.0017	Pulse	0.1000	3
Mo	98	159	He	0.008	ppb	336.1	70.00	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.005	ppb	170.0	43.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.009	ppb	61.8	5.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.852	ppb	N/A	1443.47	0.0079	Pulse	0.1000	3
Sb	121	159	He	0.049	ppb	49.7	36.67	0.0002	Pulse	0.1000	3
Ba	137	159	He	-1.460	ppb	N/A	646.71	0.0035	Pulse	0.1000	3
Tl	205	159	He	-0.025	ppb	N/A	110.01	0.0006	Pulse	0.1000	3
Pb	208	159	He	-0.001	ppb	N/A	163.34	0.0009	Pulse	0.1000	3
U	238	209	He	-0.002	ppb	N/A	156.67	0.0011	Pulse	0.1000	3

ISTD Table:

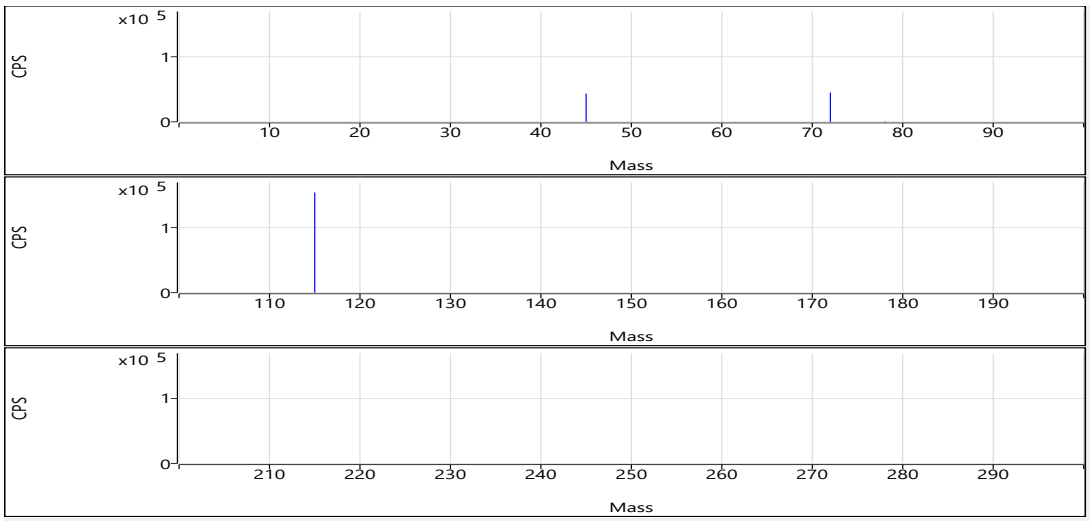
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1062856.47	0.5	101.7	Analog	0.1000	3
No Gas	Ge	72	614218.22	0.7	102.1	Pulse	0.1000	3
H2	Sc	45	43638.08	0.5	103.2	Pulse	0.1000	3
H2	Ge	72	45318.17	0.6	103.3	Pulse	0.1000	3
H2	In	115	155232.62	0.8	103.0	Pulse	0.1000	3
He	Sc	45	11698.59	0.3	102.4	Pulse	0.1000	3
He	Ge	72	25086.71	1.4	99.0	Pulse	0.1000	3
He	In	115	28333.74	0.5	103.8	Pulse	0.1000	3
He	Tb	159	182550.92	0.7	103.5	Pulse	0.1000	3
He	Bi	209	141206.73	1.7	104.7	Pulse	0.1000	3

No Gas

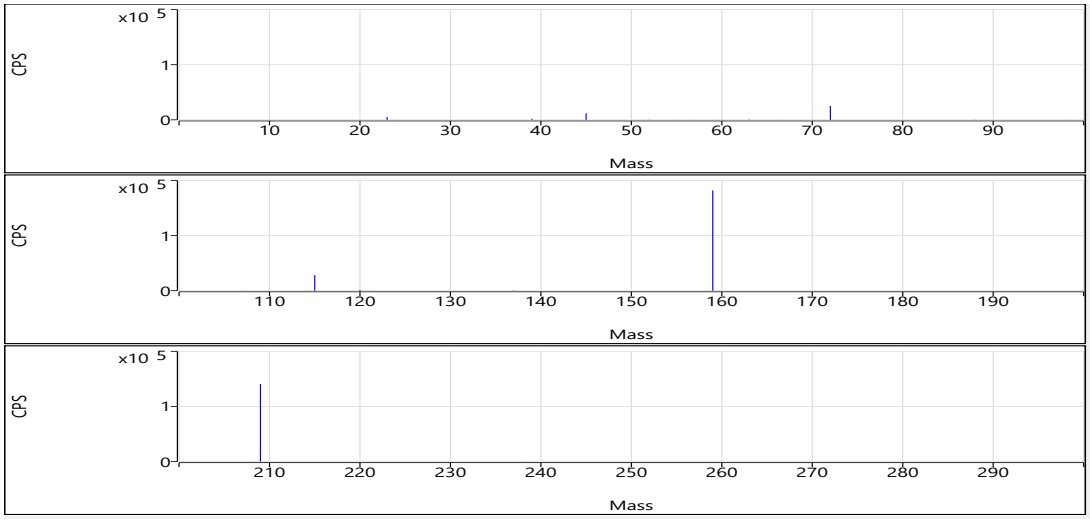


H2



Quantitation Report

He



Quantitation Report

Data File Name	119SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:59:08 PM
Sample Name	410-231908-A-1-C MS
Sample Type	Sample
Comment	MS-D16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

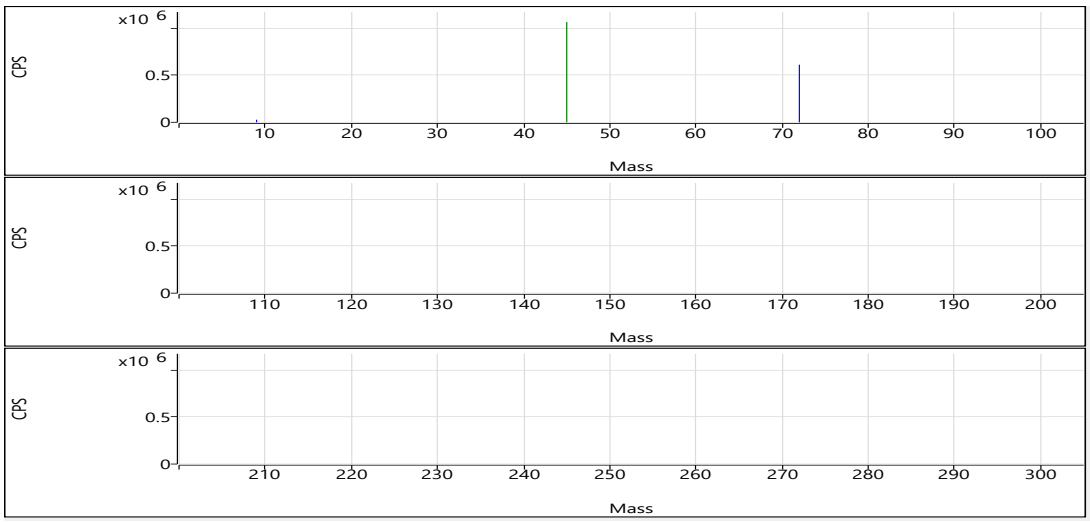
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	50.395	ug/L	3.4	27066.58	0.0254	Pulse	0.5000	3
Se	78	72	H2	99.767	ppb	0.1	2730.94	0.0603	Pulse	1.5000	3
Na	23	72	He	5287.068	ug/L	3.3	246830.40	9.8184	Pulse	0.1000	3
Mg	24	72	He	5150.496	ug/L	3.4	120705.15	4.8014	Pulse	0.1000	3
Al	27	72	He	5198.855	ug/L	1.7	33319.64	1.3248	Pulse	0.1000	3
K	39	72	He	5347.390	ppb	5.0	72921.22	2.9016	Pulse	0.1000	3
Ca	44	72	He	5480.645	ppb	6.4	4821.00	0.1919	Pulse	0.1000	3
Ti	47	159	He	519.479	ppb	4.8	4027.39	0.0218	Pulse	0.1000	3
V	51	72	He	511.931	ppb	3.1	202277.77	8.0459	Pulse	0.5000	3
Cr	52	45	He	506.066	ppb	2.1	284010.34	23.6391	Pulse	0.1000	3
Mn	55	45	He	509.380	ppb	2.4	107126.82	8.9167	Pulse	0.1000	3
Fe	57	72	He	5197.585	ppb	3.5	57974.20	2.3062	Pulse	0.1000	3
Co	59	72	He	502.314	ppb	3.1	646663.21	25.7224	Pulse	0.1000	3
Ni	60	72	He	525.174	ppb	2.8	192988.61	7.6761	Pulse	0.1000	3
Cu	63	72	He	524.099	ppb	2.9	570588.41	22.6953	Pulse	0.1000	3
Zn	66	72	He	524.226	ppb	2.6	51168.28	2.0350	Pulse	0.1000	3
As	75	45	He	505.039	ppb	2.2	30572.23	2.5447	Pulse	0.5000	3
Sr	88	159	He	51.569	ppb	0.9	13393.56	0.0724	Pulse	0.1000	3
Mo	98	159	He	46.935	ppb	1.1	45463.13	0.2459	Pulse	0.1000	3
Ag	107	159	He	48.991	ppb	0.5	112842.96	0.6104	Pulse	0.1000	3
Cd	111	159	He	51.051	ppb	0.3	11279.39	0.0610	Pulse	0.5000	3
Sn	120	159	He	94.166	ppb	2.1	57744.46	0.3123	Pulse	0.1000	3
Sb	121	159	He	90.507	ppb	1.6	43133.67	0.2333	Pulse	0.1000	3
Ba	137	159	He	519.461	ppb	1.0	86333.19	0.4670	Pulse	0.1000	3
Tl	205	159	He	105.170	ppb	1.6	615572.92	3.3298	Pulse	0.1000	3
Pb	208	159	He	52.085	ppb	1.0	212476.45	1.1493	Pulse	0.1000	3
U	238	209	He	50.926	ppb	0.4	477981.92	3.3846	Pulse	0.1000	3

ISTD Table:

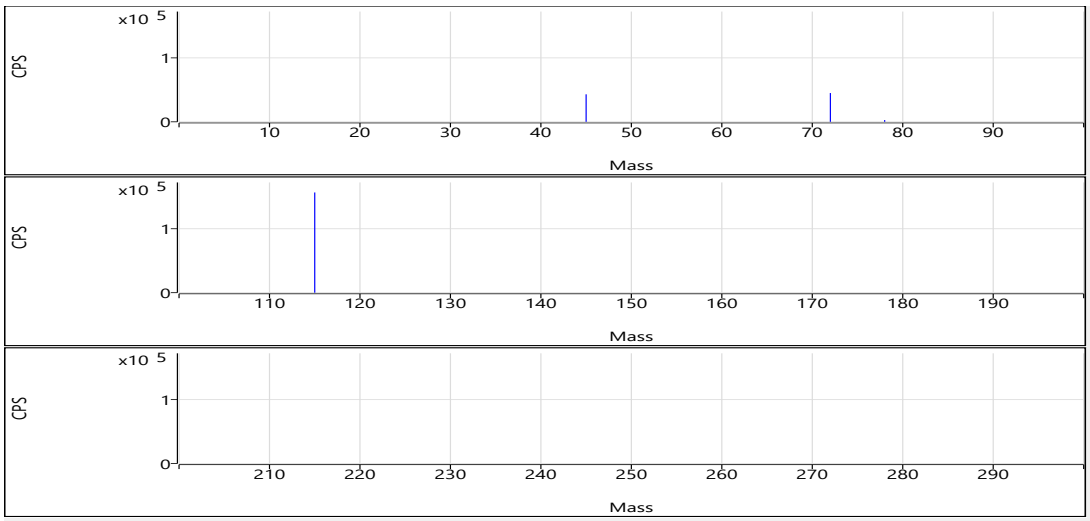
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1065143.81	0.2	101.9	Analog	0.1000	3
No Gas	Ge	72	612063.17	0.4	101.8	Pulse	0.1000	3
H2	Sc	45	43287.13	1.7	102.4	Pulse	0.1000	3
H2	Ge	72	45298.37	1.3	103.3	Pulse	0.1000	3
H2	In	115	157803.60	1.1	104.7	Pulse	0.1000	3
He	Sc	45	12018.82	2.7	105.2	Pulse	0.1000	3
He	Ge	72	25156.98	3.2	99.3	Pulse	0.1000	3
He	In	115	28003.17	4.4	102.6	Pulse	0.1000	3
He	Tb	159	184874.81	0.4	104.8	Pulse	0.1000	3
He	Bi	209	141222.83	1.6	104.7	Pulse	0.1000	3

No Gas

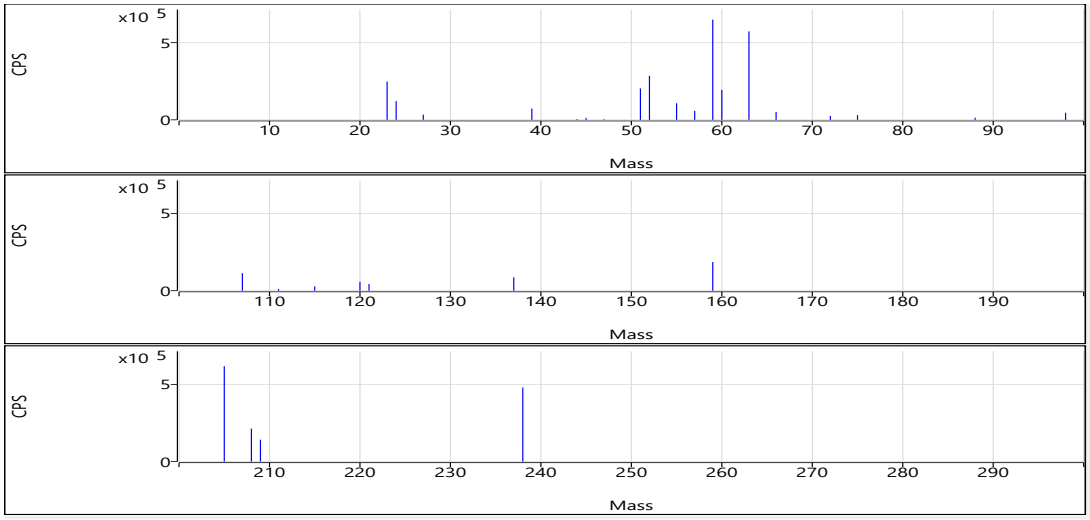


H2



Quantitation Report

He



Quantitation Report

Data File Name	120SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:01:08 PM
Sample Name	410-231908-A-1-D MSD
Sample Type	Sample
Comment	MS-D16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

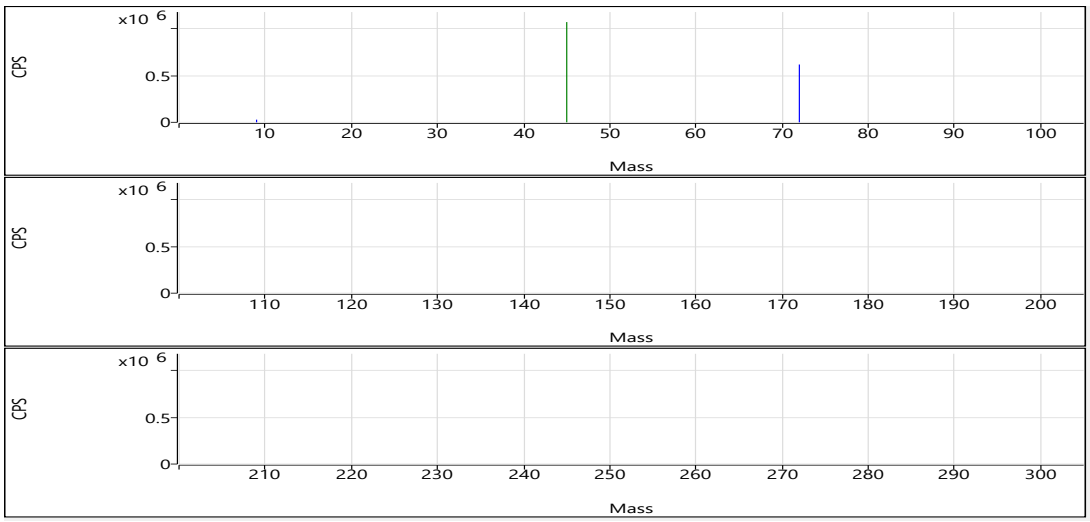
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	52.050	ug/L	1.1	28131.21	0.0262	Pulse	0.5000	3
Se	78	72	H2	103.462	ppb	4.9	2806.07	0.0625	Pulse	1.5000	3
Na	23	72	He	5281.831	ug/L	0.9	252283.39	9.8089	Pulse	0.1000	3
Mg	24	72	He	5190.802	ug/L	0.9	124456.49	4.8390	Pulse	0.1000	3
Al	27	72	He	5226.888	ug/L	0.7	34258.55	1.3319	Pulse	0.1000	3
K	39	72	He	5457.444	ppb	1.4	76124.44	2.9597	Pulse	0.1000	3
Ca	44	72	He	5152.502	ppb	3.2	4640.89	0.1805	Pulse	0.1000	3
Ti	47	159	He	560.660	ppb	8.3	4327.49	0.0235	Pulse	0.1000	3
V	51	72	He	512.565	ppb	0.9	207192.62	8.0558	Pulse	0.5000	3
Cr	52	45	He	530.351	ppb	2.4	290407.70	24.7713	Pulse	0.1000	3
Mn	55	45	He	534.806	ppb	2.0	109764.13	9.3616	Pulse	0.1000	3
Fe	57	72	He	5071.306	ppb	1.6	57873.68	2.2503	Pulse	0.1000	3
Co	59	72	He	503.516	ppb	0.2	663202.98	25.7840	Pulse	0.1000	3
Ni	60	72	He	524.046	ppb	1.1	197003.57	7.6596	Pulse	0.1000	3
Cu	63	72	He	524.373	ppb	0.7	584040.47	22.7071	Pulse	0.1000	3
Zn	66	72	He	531.311	ppb	1.8	53055.15	2.0625	Pulse	0.1000	3
As	75	45	He	531.189	ppb	2.0	31379.36	2.6764	Pulse	0.5000	3
Sr	88	159	He	53.715	ppb	3.1	13874.15	0.0754	Pulse	0.1000	3
Mo	98	159	He	52.707	ppb	1.2	50825.44	0.2761	Pulse	0.1000	3
Ag	107	159	He	50.897	ppb	0.5	116715.75	0.6341	Pulse	0.1000	3
Cd	111	159	He	51.844	ppb	1.0	11404.17	0.0620	Pulse	0.5000	3
Sn	120	159	He	104.853	ppb	0.3	63791.66	0.3466	Pulse	0.1000	3
Sb	121	159	He	102.244	ppb	1.7	48514.83	0.2636	Pulse	0.1000	3
Ba	137	159	He	537.036	ppb	1.2	88832.66	0.4826	Pulse	0.1000	3
Tl	205	159	He	108.587	ppb	1.3	632761.28	3.4379	Pulse	0.1000	3
Pb	208	159	He	53.353	ppb	3.0	216684.13	1.1773	Pulse	0.1000	3
U	238	209	He	52.324	ppb	0.9	490235.41	3.4775	Pulse	0.1000	3

ISTD Table:

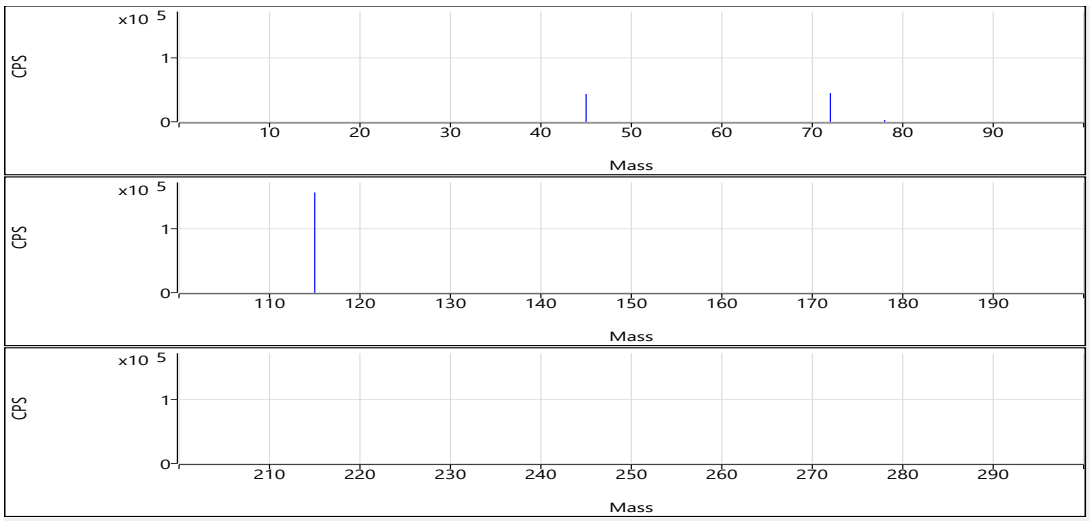
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1071890.53	0.7	102.5	Analog	0.1000	3
No Gas	Ge	72	618026.60	0.2	102.8	Pulse	0.1000	3
H2	Sc	45	43371.10	1.5	102.6	Pulse	0.1000	3
H2	Ge	72	44903.65	1.4	102.4	Pulse	0.1000	3
H2	In	115	156411.08	0.6	103.8	Pulse	0.1000	3
He	Sc	45	11728.60	2.7	102.7	Pulse	0.1000	3
He	Ge	72	25721.18	1.0	101.5	Pulse	0.1000	3
He	In	115	28948.48	1.5	106.1	Pulse	0.1000	3
He	Tb	159	184061.66	0.5	104.4	Pulse	0.1000	3
He	Bi	209	140979.69	1.7	104.5	Pulse	0.1000	3

No Gas

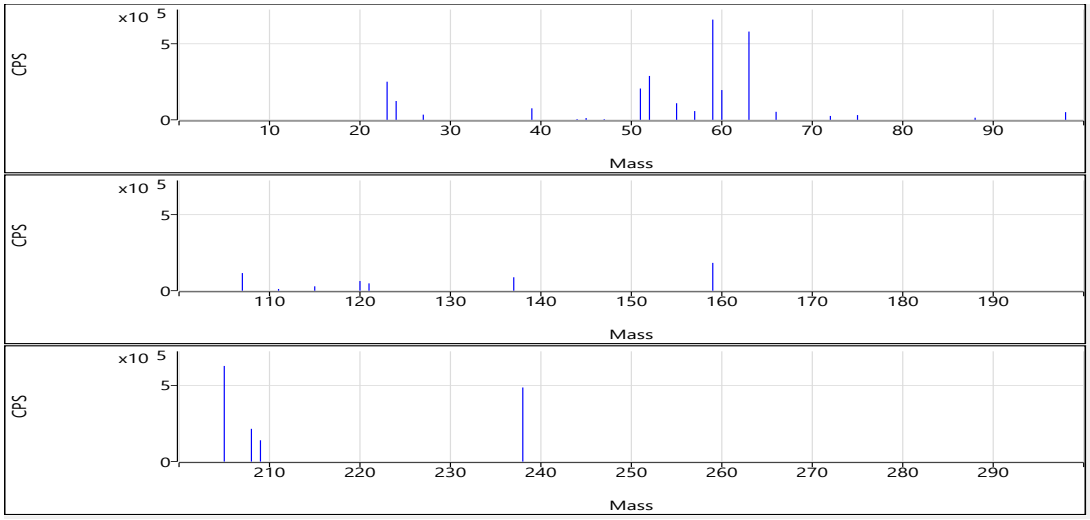


H2



Quantitation Report

He



Quantitation Report

Data File Name	121SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:03:09 PM
Sample Name	410-231024-C-1-A
Sample Type	Sample
Comment	MS-D16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

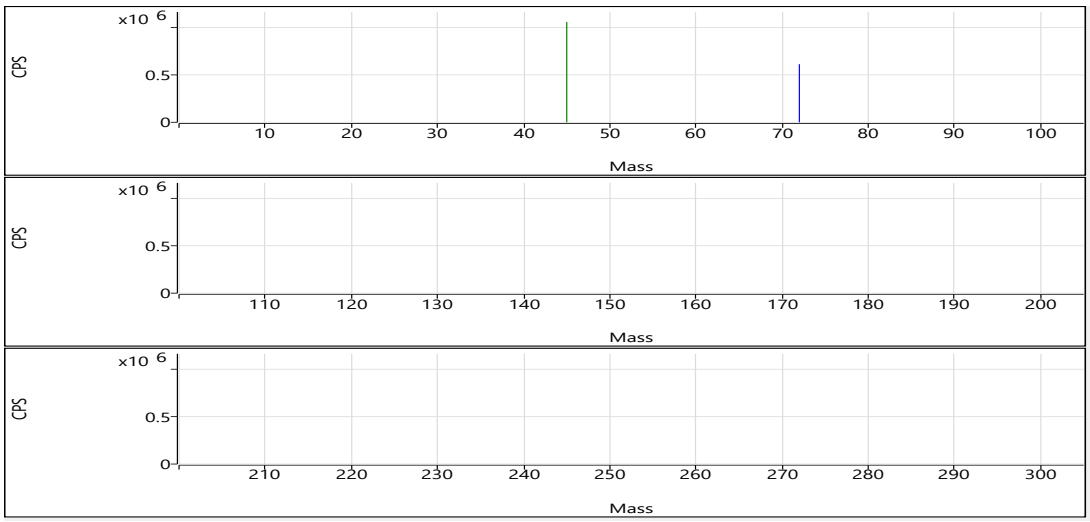
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.019	ug/L	62.8	36.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.074	ppb	78.7	4.22	0.0001	Pulse	1.5000	3
Na	23	72	He	-10.360	ug/L	N/A	5157.77	0.2045	Pulse	0.1000	3
Mg	24	72	He	0.604	ug/L	294.7	173.34	0.0069	Pulse	0.1000	3
Al	27	72	He	3.130	ug/L	74.5	66.67	0.0026	Pulse	0.1000	3
K	39	72	He	0.003	ppb	758060.1	2016.90	0.0799	Pulse	0.1000	3
Ca	44	72	He	53.075	ppb	55.6	70.00	0.0028	Pulse	0.1000	3
Ti	47	159	He	0.854	ppb	356.3	13.33	0.0001	Pulse	0.1000	3
V	51	72	He	0.026	ppb	53.4	126.67	0.0050	Pulse	0.5000	3
Cr	52	45	He	-0.181	ppb	N/A	406.69	0.0359	Pulse	0.1000	3
Mn	55	45	He	1.019	ppb	29.7	253.34	0.0224	Pulse	0.1000	3
Fe	57	72	He	3.640	ppb	115.3	130.00	0.0052	Pulse	0.1000	3
Co	59	72	He	0.047	ppb	196.2	170.01	0.0068	Pulse	0.1000	3
Ni	60	72	He	0.128	ppb	61.7	200.01	0.0079	Pulse	0.1000	3
Cu	63	72	He	0.111	ppb	50.7	253.35	0.0100	Pulse	0.1000	3
Zn	66	72	He	0.412	ppb	44.2	90.00	0.0036	Pulse	0.1000	3
As	75	45	He	-0.008	ppb	N/A	10.00	0.0009	Pulse	0.5000	3
Sr	88	159	He	-0.387	ppb	N/A	270.01	0.0015	Pulse	0.1000	3
Mo	98	159	He	0.072	ppb	52.6	130.01	0.0007	Pulse	0.1000	3
Ag	107	159	He	0.004	ppb	288.4	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.012	ppb	134.9	6.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.808	ppb	N/A	1456.80	0.0081	Pulse	0.1000	3
Sb	121	159	He	0.149	ppb	70.6	83.34	0.0005	Pulse	0.1000	3
Ba	137	159	He	-1.114	ppb	N/A	696.71	0.0039	Pulse	0.1000	3
Tl	205	159	He	0.020	ppb	33.0	366.69	0.0020	Pulse	0.1000	3
Pb	208	159	He	0.007	ppb	221.4	196.68	0.0011	Pulse	0.1000	3
U	238	209	He	0.037	ppb	17.7	530.03	0.0037	Pulse	0.1000	3

ISTD Table:

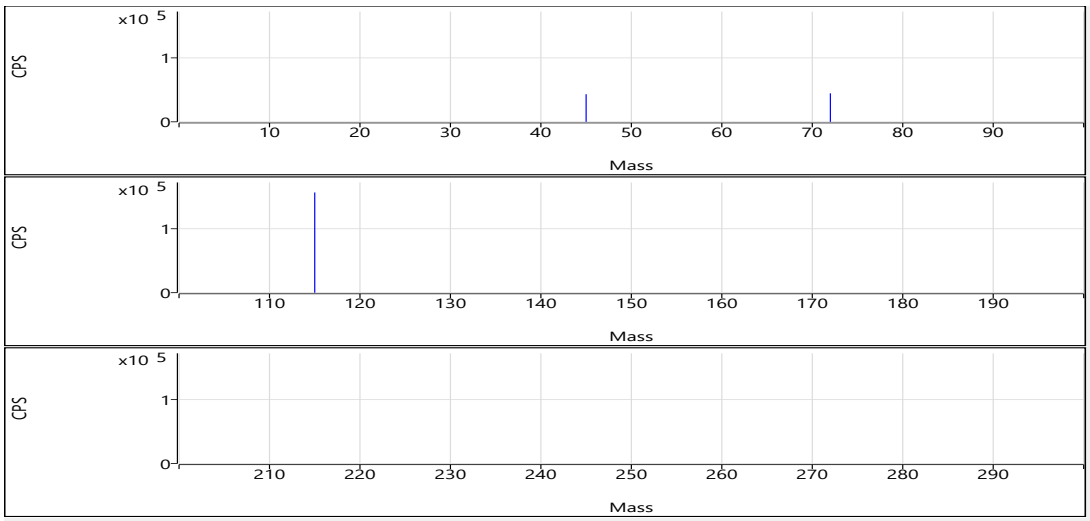
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1060659.10	1.2	101.5	Analog	0.1000	3
No Gas	Ge	72	614590.41	1.4	102.2	Pulse	0.1000	3
H2	Sc	45	42912.95	3.7	101.5	Pulse	0.1000	3
H2	Ge	72	44338.27	3.2	101.1	Pulse	0.1000	3
H2	In	115	155921.98	0.9	103.5	Pulse	0.1000	3
He	Sc	45	11344.91	1.9	99.3	Pulse	0.1000	3
He	Ge	72	25227.04	0.8	99.6	Pulse	0.1000	3
He	In	115	28470.75	2.0	104.3	Pulse	0.1000	3
He	Tb	159	180918.49	0.5	102.6	Pulse	0.1000	3
He	Bi	209	141330.79	1.2	104.8	Pulse	0.1000	3

No Gas

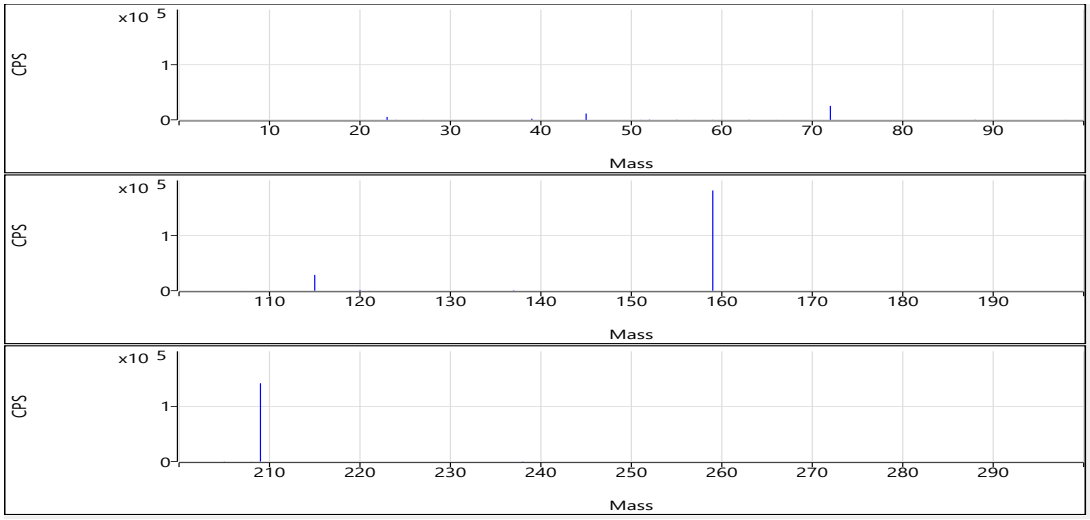


H2



Quantitation Report

He



Quantitation Report

Data File Name	122SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:05:10 PM
Sample Name	410-231025-D-1-A
Sample Type	Sample
Comment	MS-D16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

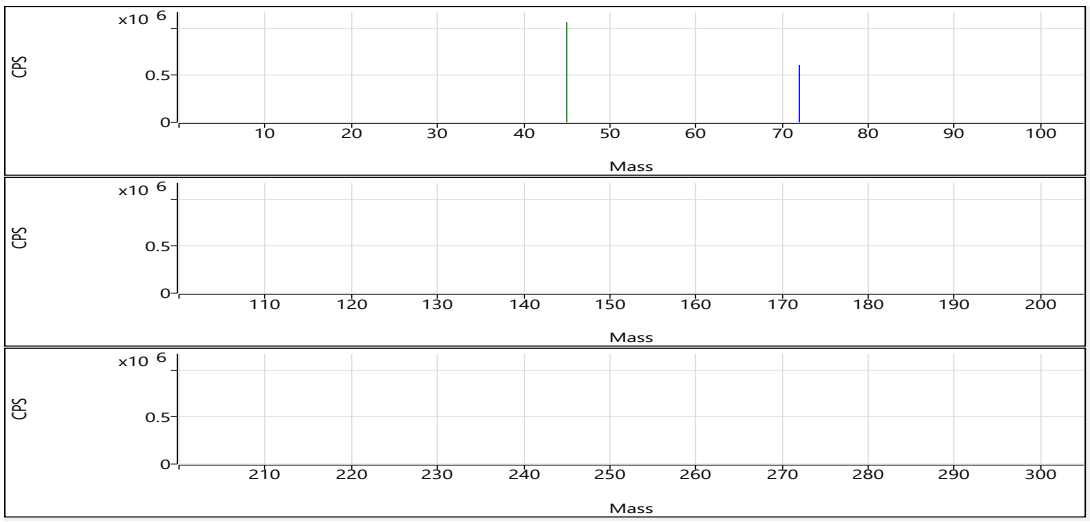
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.003	ug/L	463.1	28.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.018	ppb	N/A	1.78	0.0000	Pulse	1.5000	3
Na	23	72	He	-16.909	ug/L	N/A	4901.02	0.1926	Pulse	0.1000	3
Mg	24	72	He	-1.722	ug/L	N/A	120.00	0.0047	Pulse	0.1000	3
Al	27	72	He	0.462	ug/L	315.7	50.00	0.0020	Pulse	0.1000	3
K	39	72	He	6.032	ppb	274.7	2113.57	0.0831	Pulse	0.1000	3
Ca	44	72	He	48.646	ppb	86.7	66.67	0.0026	Pulse	0.1000	3
Ti	47	159	He	1.293	ppb	59.1	16.67	0.0001	Pulse	0.1000	3
V	51	72	He	-0.018	ppb	N/A	110.00	0.0043	Pulse	0.5000	3
Cr	52	45	He	-0.216	ppb	N/A	406.69	0.0342	Pulse	0.1000	3
Mn	55	45	He	0.073	ppb	164.7	70.00	0.0058	Pulse	0.1000	3
Fe	57	72	He	-0.597	ppb	N/A	83.34	0.0033	Pulse	0.1000	3
Co	59	72	He	0.005	ppb	860.8	116.67	0.0046	Pulse	0.1000	3
Ni	60	72	He	0.071	ppb	123.8	180.01	0.0071	Pulse	0.1000	3
Cu	63	72	He	0.115	ppb	26.7	260.01	0.0102	Pulse	0.1000	3
Zn	66	72	He	-0.066	ppb	N/A	43.33	0.0017	Pulse	0.1000	3
As	75	45	He	-0.025	ppb	N/A	9.33	0.0008	Pulse	0.5000	3
Sr	88	159	He	-0.269	ppb	N/A	300.02	0.0017	Pulse	0.1000	3
Mo	98	159	He	0.012	ppb	347.6	73.33	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.004	ppb	189.4	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.003	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.739	ppb	N/A	1500.14	0.0083	Pulse	0.1000	3
Sb	121	159	He	0.078	ppb	55.2	50.00	0.0003	Pulse	0.1000	3
Ba	137	159	He	-0.606	ppb	N/A	780.05	0.0043	Pulse	0.1000	3
Tl	205	159	He	0.002	ppb	67.5	263.34	0.0015	Pulse	0.1000	3
Pb	208	159	He	0.004	ppb	206.8	183.34	0.0010	Pulse	0.1000	3
U	238	209	He	0.008	ppb	61.2	256.68	0.0018	Pulse	0.1000	3

ISTD Table:

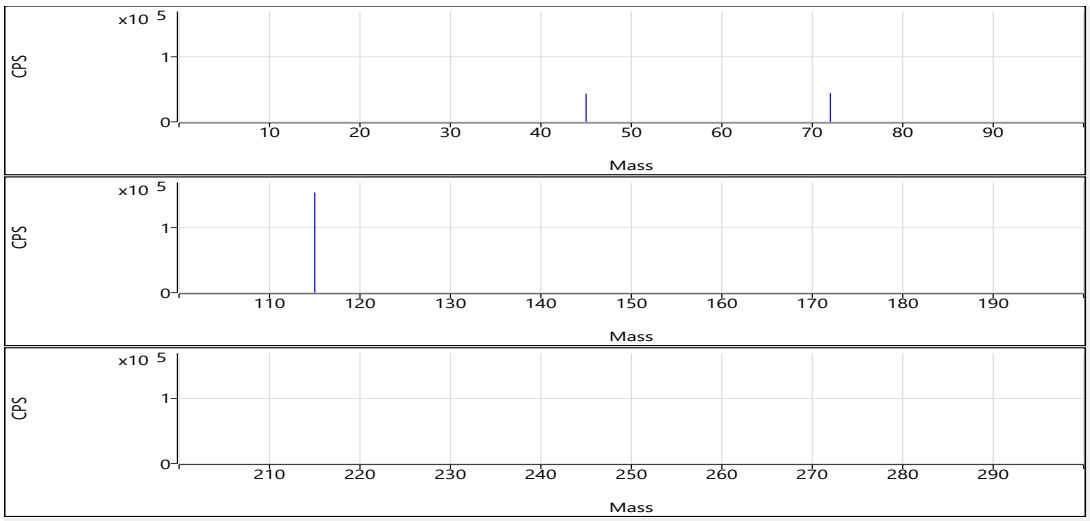
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1066400.56	0.8	102.0	Analog	0.1000	3
No Gas	Ge	72	609869.30	0.5	101.4	Pulse	0.1000	3
H2	Sc	45	43247.18	0.8	102.3	Pulse	0.1000	3
H2	Ge	72	44184.52	1.0	100.7	Pulse	0.1000	3
H2	In	115	154141.79	1.1	102.3	Pulse	0.1000	3
He	Sc	45	11902.06	2.5	104.2	Pulse	0.1000	3
He	Ge	72	25450.65	1.5	100.5	Pulse	0.1000	3
He	In	115	28581.04	1.9	104.7	Pulse	0.1000	3
He	Tb	159	181379.39	1.1	102.8	Pulse	0.1000	3
He	Bi	209	143739.94	0.4	106.6	Pulse	0.1000	3

No Gas

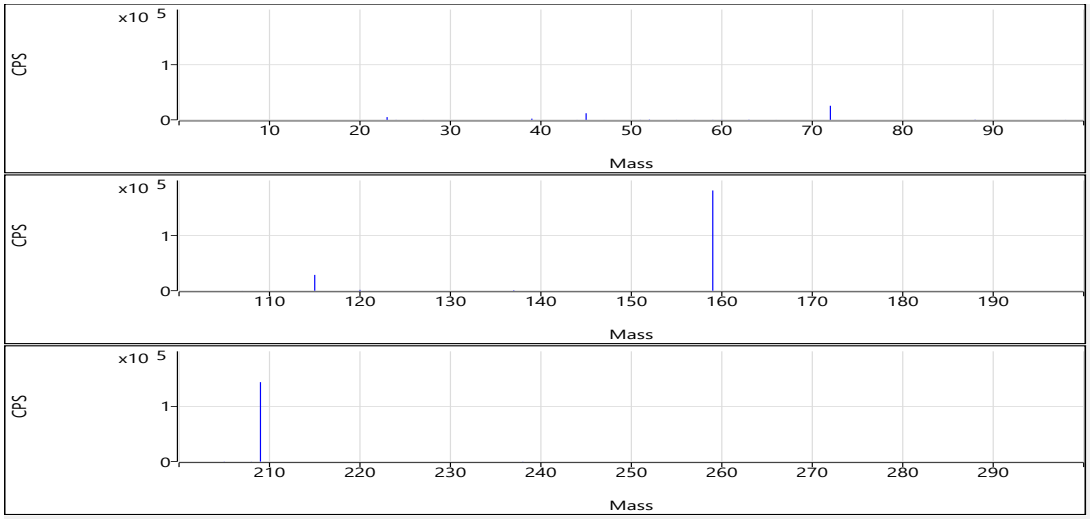


H2



Quantitation Report

He



Quantitation Report

Data File Name	123SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:07:10 PM
Sample Name	180-194023-P-6-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

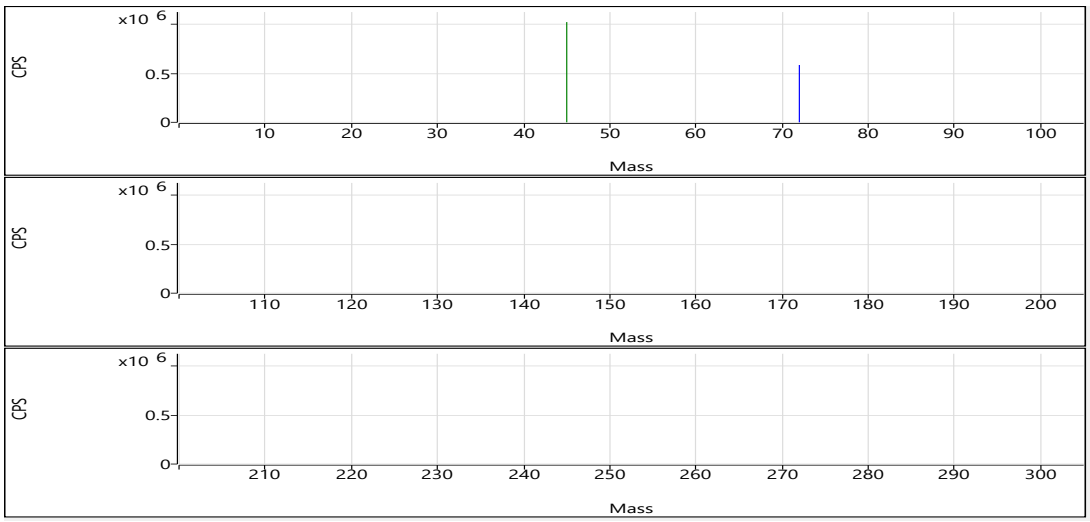
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.001	ug/L	N/A	24.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	1.548	ppb	11.9	42.66	0.0010	Pulse	1.5000	3
Na	23	72	He	557920.068	ug/L	1.4	24419369.64	1,012.7493	Analog	0.1000	3
Mg	24	72	He	9661.219	ug/L	1.6	217028.42	9.0009	Pulse	0.1000	3
Al	27	72	He	102.467	ug/L	4.7	673.37	0.0279	Pulse	0.1000	3
K	39	72	He	185098.289	ppb	1.9	2356956.58	97.7537	Analog	0.1000	3
Ca	44	72	He	102440.132	ppb	1.6	86091.53	3.5705	Pulse	0.1000	3
Ti	47	159	He	3.756	ppb	93.2	33.33	0.0002	Pulse	0.1000	3
V	51	72	He	2.394	ppb	5.8	1017.38	0.0422	Pulse	0.5000	3
Cr	52	45	He	0.341	ppb	47.8	656.71	0.0602	Pulse	0.1000	3
Mn	55	45	He	1653.378	ppb	5.5	316480.37	28.9322	Pulse	0.1000	3
Fe	57	72	He	155.267	ppb	6.7	1743.51	0.0723	Pulse	0.1000	3
Co	59	72	He	0.382	ppb	5.1	576.70	0.0239	Pulse	0.1000	3
Ni	60	72	He	1.657	ppb	16.0	730.05	0.0302	Pulse	0.1000	3
Cu	63	72	He	1.018	ppb	3.8	1190.09	0.0493	Pulse	0.1000	3
Zn	66	72	He	11.720	ppb	7.6	1143.42	0.0474	Pulse	0.1000	3
As	75	45	He	17.066	ppb	5.2	950.71	0.0869	Pulse	0.5000	3
Sr	88	159	He	414.548	ppb	2.0	96938.08	0.5681	Pulse	0.1000	3
Mo	98	159	He	11.394	ppb	3.2	10230.89	0.0600	Pulse	0.1000	3
Ag	107	159	He	0.016	ppb	175.7	63.34	0.0004	Pulse	0.1000	3
Cd	111	159	He	0.092	ppb	0.5	22.00	0.0001	Pulse	0.5000	3
Sn	120	159	He	1.186	ppb	27.7	2463.66	0.0144	Pulse	0.1000	3
Sb	121	159	He	4.626	ppb	5.7	2046.91	0.0120	Pulse	0.1000	3
Ba	137	159	He	132.040	ppb	3.2	20870.35	0.1223	Pulse	0.1000	3
Tl	205	159	He	-0.011	ppb	N/A	173.34	0.0010	Pulse	0.1000	3
Pb	208	159	He	0.479	ppb	8.6	1960.22	0.0115	Pulse	0.1000	3
U	238	209	He	0.053	ppb	7.2	610.04	0.0048	Pulse	0.1000	3

ISTD Table:

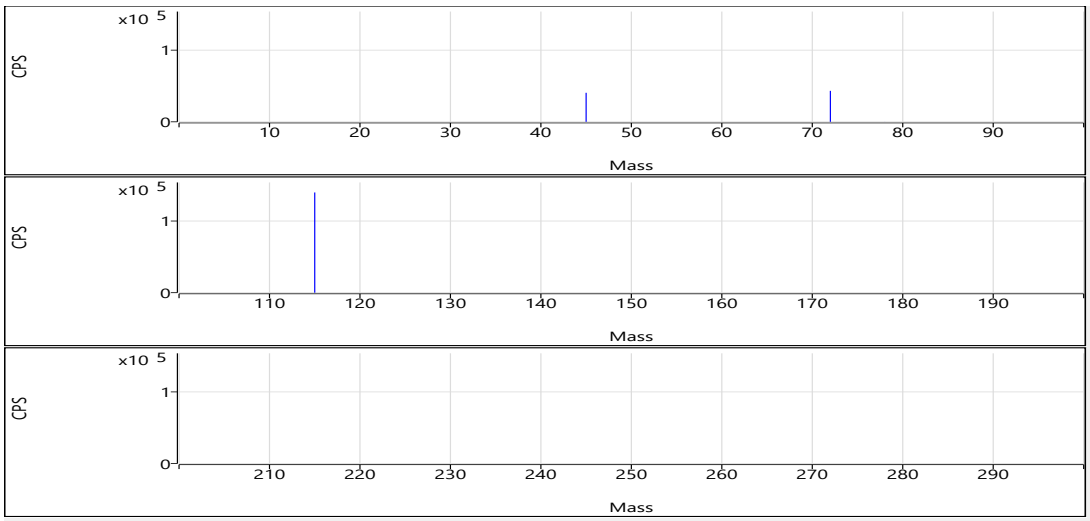
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1022023.76	0.4	97.8	Analog	0.1000	3
No Gas	Ge	72	584175.52	1.0	97.1	Pulse	0.1000	3
H2	Sc	45	40626.11	0.9	96.1	Pulse	0.1000	3
H2	Ge	72	43341.80	1.6	98.8	Pulse	0.1000	3
H2	In	115	140279.79	0.5	93.1	Pulse	0.1000	3
He	Sc	45	10957.90	4.8	95.9	Pulse	0.1000	3
He	Ge	72	24114.98	1.4	95.2	Pulse	0.1000	3
He	In	115	25144.10	2.3	92.1	Pulse	0.1000	3
He	Tb	159	170622.90	0.5	96.7	Pulse	0.1000	3
He	Bi	209	127382.37	1.0	94.5	Pulse	0.1000	3

No Gas

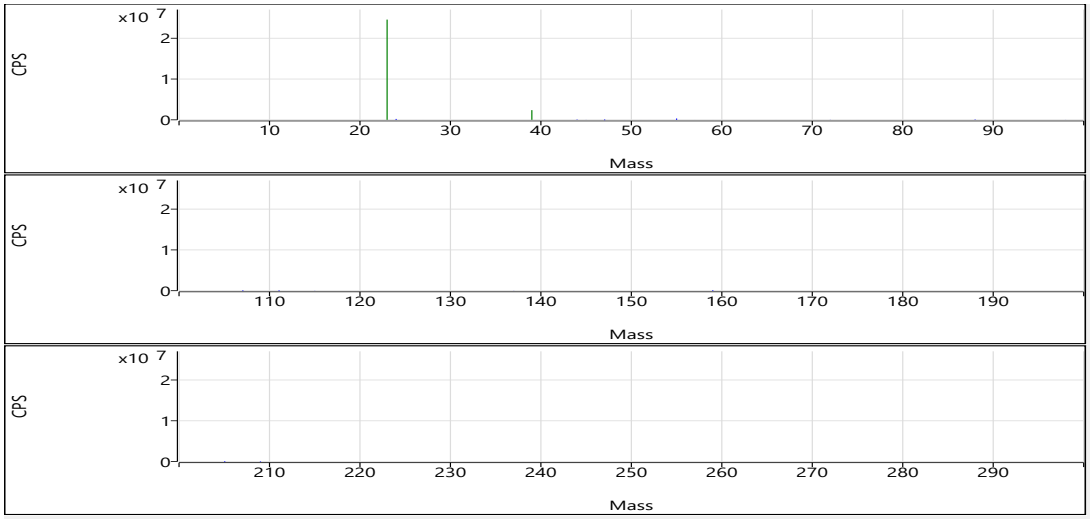


H2



Quantitation Report

He



Quantitation Report

Data File Name	123SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:09:37 PM
Sample Name	180-194023-P-6-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

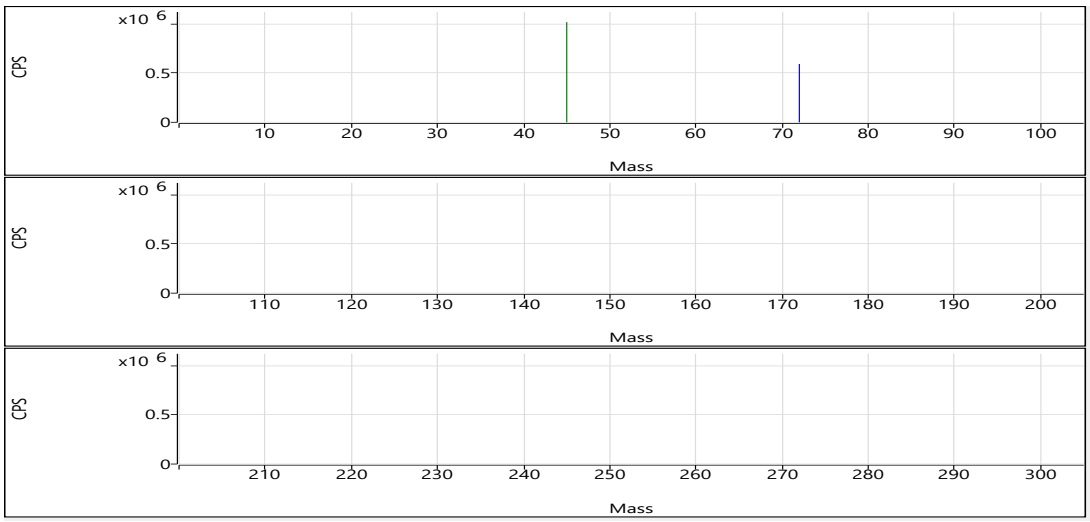
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.001	ug/L	11852.7	25.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.859	ppb	84.5	6.67	0.0002	Pulse	1.5000	3
Na	23	72	He	575619.826	ug/L	2.2	5157225.97	209.1529	Analog	0.1000	3
Mg	24	72	He	10045.737	ug/L	3.5	46268.76	1.8768	Pulse	0.1000	3
Al	27	72	He	290.231	ug/L	6.4	410.02	0.0166	Pulse	0.1000	3
K	39	72	He	187493.090	ppb	2.7	489844.37	19.8674	Pulse	0.1000	3
Ca	44	72	He	103774.914	ppb	3.7	17855.16	0.7241	Pulse	0.1000	3
Ti	47	159	He	9.165	ppb	128.8	20.00	0.0001	Pulse	0.1000	3
V	51	72	He	2.610	ppb	16.4	315.34	0.0128	Pulse	0.5000	3
Cr	52	45	He	0.660	ppb	205.8	556.70	0.0504	Pulse	0.1000	3
Mn	55	45	He	1718.095	ppb	4.8	66765.61	6.0165	Pulse	0.1000	3
Fe	57	72	He	159.077	ppb	27.8	436.69	0.0176	Pulse	0.1000	3
Co	59	72	He	0.380	ppb	11.6	203.34	0.0082	Pulse	0.1000	3
Ni	60	72	He	0.974	ppb	57.4	220.01	0.0089	Pulse	0.1000	3
Cu	63	72	He	1.438	ppb	15.8	436.69	0.0177	Pulse	0.1000	3
Zn	66	72	He	13.344	ppb	21.3	303.35	0.0123	Pulse	0.1000	3
As	75	45	He	18.439	ppb	10.5	216.00	0.0195	Pulse	0.5000	3
Sr	88	159	He	421.907	ppb	1.6	20435.79	0.1173	Pulse	0.1000	3
Mo	98	159	He	10.896	ppb	7.2	2046.91	0.0117	Pulse	0.1000	3
Ag	107	159	He	0.024	ppb	256.0	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.081	ppb	123.1	6.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-1.202	ppb	N/A	1720.17	0.0099	Pulse	0.1000	3
Sb	121	159	He	4.790	ppb	9.1	443.36	0.0025	Pulse	0.1000	3
Ba	137	159	He	138.452	ppb	4.1	5137.87	0.0295	Pulse	0.1000	3
Tl	205	159	He	-0.039	ppb	N/A	196.68	0.0011	Pulse	0.1000	3
Pb	208	159	He	0.722	ppb	29.8	716.72	0.0041	Pulse	0.1000	3
U	238	209	He	0.080	ppb	23.9	313.35	0.0023	Pulse	0.1000	3

ISTD Table:

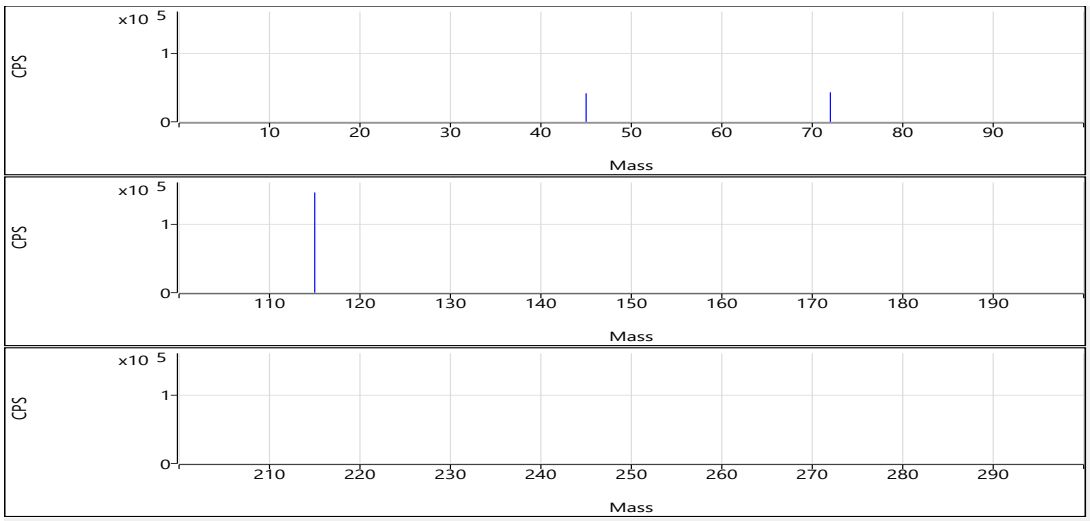
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1016394.10	0.3	97.2	Analog	0.1000	3
No Gas	Ge	72	591424.14	0.9	98.4	Pulse	0.1000	3
H2	Sc	45	42003.19	0.7	99.4	Pulse	0.1000	3
H2	Ge	72	43408.58	1.6	98.9	Pulse	0.1000	3
H2	In	115	147576.33	0.5	97.9	Pulse	0.1000	3
He	Sc	45	11114.81	5.3	97.3	Pulse	0.1000	3
He	Ge	72	24665.86	2.4	97.4	Pulse	0.1000	3
He	In	115	27017.61	3.5	99.0	Pulse	0.1000	3
He	Tb	159	174283.83	0.7	98.8	Pulse	0.1000	3
He	Bi	209	134959.06	2.0	100.1	Pulse	0.1000	3

No Gas

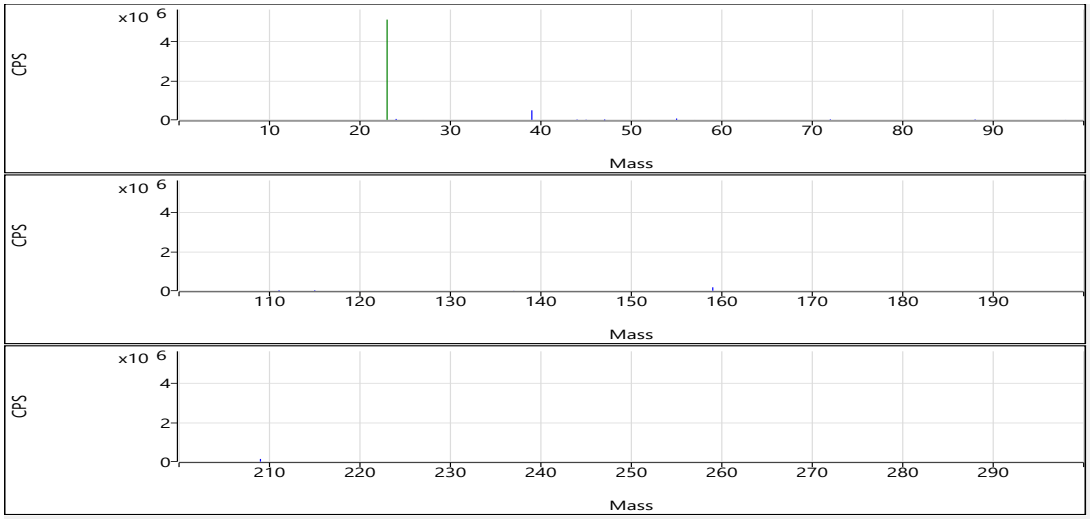


H2



Quantitation Report

He



Quantitation Report

Data File Name	124SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:11:30 PM
Sample Name	180-194023-Q-7-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

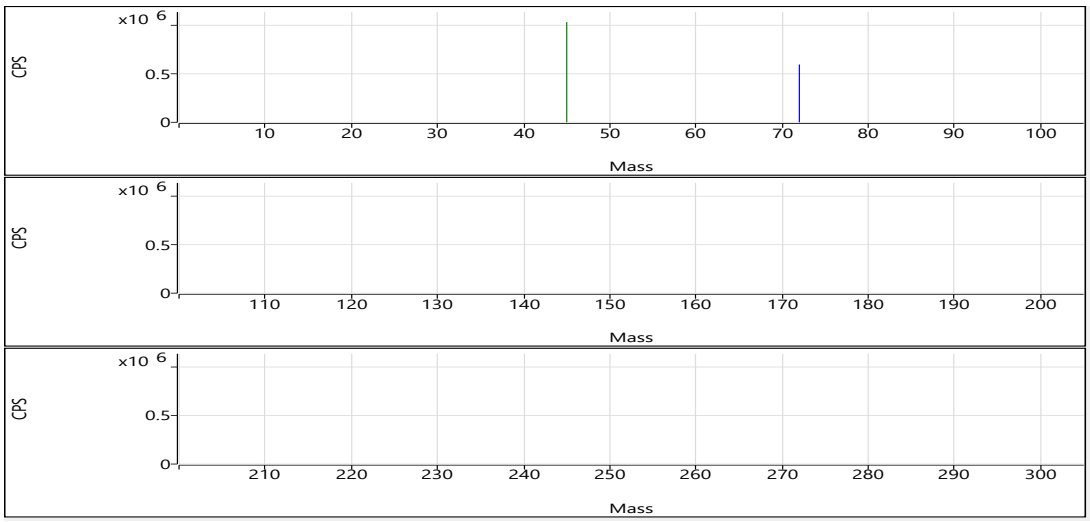
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.030	ug/L	59.6	41.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	4.221	ppb	8.4	112.22	0.0026	Pulse	1.5000	3
Na	23	72	He	571165.499	ug/L	4.7	24888348.80	1,036.7874	Analog	0.1000	3
Mg	24	72	He	11779.412	ug/L	4.5	263420.30	10.9730	Pulse	0.1000	3
Al	27	72	He	149.251	ug/L	3.3	956.73	0.0398	Pulse	0.1000	3
K	39	72	He	187556.968	ppb	4.0	2378262.62	99.0511	Analog	0.1000	3
Ca	44	72	He	98737.713	ppb	5.0	82621.27	3.4415	Pulse	0.1000	3
Ti	47	159	He	6.156	ppb	91.9	50.00	0.0003	Pulse	0.1000	3
V	51	72	He	4.868	ppb	6.7	1944.81	0.0811	Pulse	0.5000	3
Cr	52	45	He	0.539	ppb	9.1	776.72	0.0694	Pulse	0.1000	3
Mn	55	45	He	1909.662	ppb	2.2	373842.90	33.4161	Pulse	0.1000	3
Fe	57	72	He	131.961	ppb	3.7	1490.13	0.0620	Pulse	0.1000	3
Co	59	72	He	0.499	ppb	9.7	716.71	0.0299	Pulse	0.1000	3
Ni	60	72	He	2.170	ppb	16.0	903.40	0.0377	Pulse	0.1000	3
Cu	63	72	He	1.450	ppb	10.8	1630.16	0.0680	Pulse	0.1000	3
Zn	66	72	He	16.747	ppb	7.2	1606.82	0.0669	Pulse	0.1000	3
As	75	45	He	21.863	ppb	1.9	1242.73	0.1110	Pulse	0.5000	3
Sr	88	159	He	398.674	ppb	1.6	92561.88	0.5465	Pulse	0.1000	3
Mo	98	159	He	5.202	ppb	6.6	4667.62	0.0276	Pulse	0.1000	3
Ag	107	159	He	0.010	ppb	125.5	50.00	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.142	ppb	25.2	32.00	0.0002	Pulse	0.5000	3
Sn	120	159	He	4.672	ppb	3.4	4337.52	0.0256	Pulse	0.1000	3
Sb	121	159	He	7.585	ppb	9.6	3323.87	0.0196	Pulse	0.1000	3
Ba	137	159	He	166.540	ppb	1.4	25916.01	0.1530	Pulse	0.1000	3
Tl	205	159	He	-0.016	ppb	N/A	150.01	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.491	ppb	9.0	1990.25	0.0118	Pulse	0.1000	3
U	238	209	He	0.048	ppb	20.2	563.37	0.0045	Pulse	0.1000	3

ISTD Table:

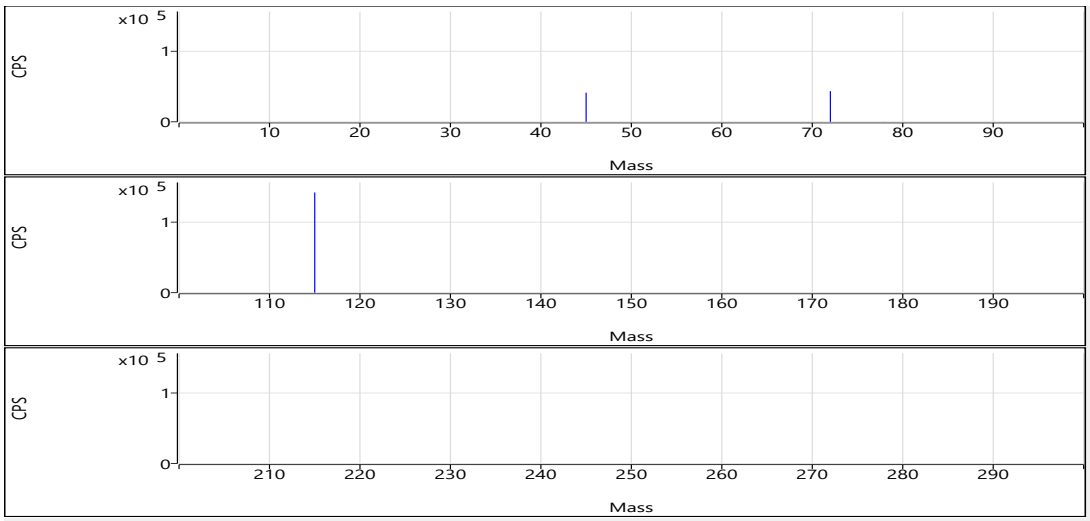
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1028626.37	0.6	98.4	Analog	0.1000	3
No Gas	Ge	72	592925.59	0.4	98.6	Pulse	0.1000	3
H2	Sc	45	41123.89	1.7	97.3	Pulse	0.1000	3
H2	Ge	72	43238.17	2.7	98.6	Pulse	0.1000	3
H2	In	115	141317.35	2.0	93.8	Pulse	0.1000	3
He	Sc	45	11191.50	2.7	98.0	Pulse	0.1000	3
He	Ge	72	24044.82	5.3	94.9	Pulse	0.1000	3
He	In	115	25428.00	0.8	93.2	Pulse	0.1000	3
He	Tb	159	169383.13	0.2	96.0	Pulse	0.1000	3
He	Bi	209	126268.28	0.6	93.6	Pulse	0.1000	3

No Gas

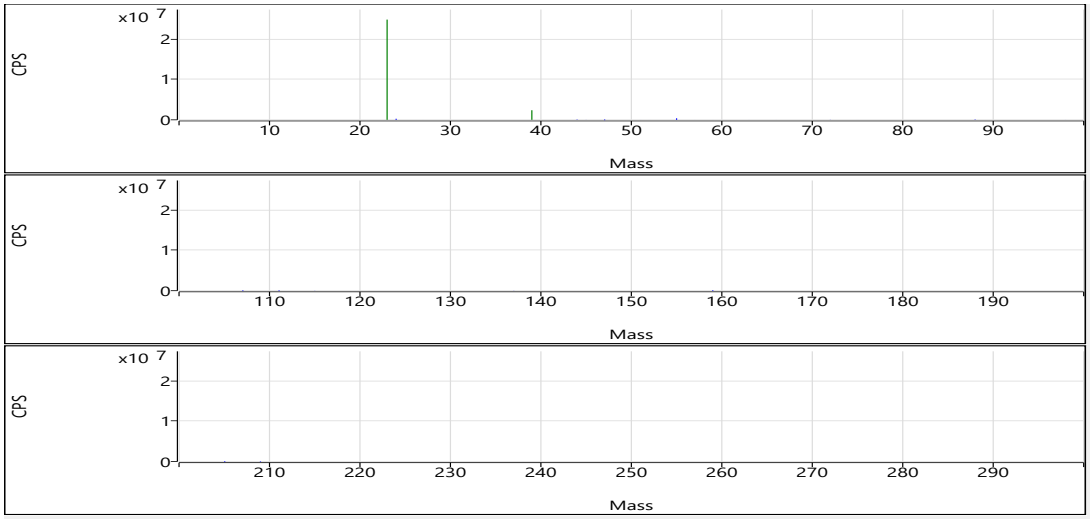


H2



Quantitation Report

He



Quantitation Report

Data File Name	124SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:13:55 PM
Sample Name	180-194023-Q-7-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

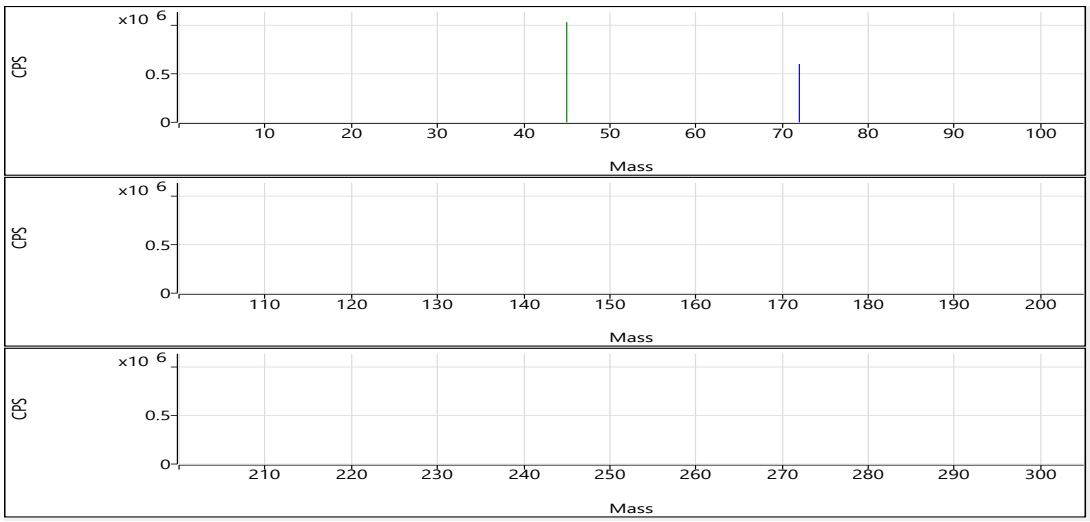
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.010	ug/L	N/A	24.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	3.202	ppb	26.0	18.45	0.0004	Pulse	1.5000	3
Na	23	72	He	566103.356	ug/L	4.5	5266908.78	205.6988	Analog	0.1000	3
Mg	24	72	He	11536.901	ug/L	4.3	55170.24	2.1545	Pulse	0.1000	3
Al	27	72	He	265.433	ug/L	43.8	390.02	0.0154	Pulse	0.1000	3
K	39	72	He	183973.217	ppb	4.0	499275.85	19.4959	Pulse	0.1000	3
Ca	44	72	He	97578.980	ppb	4.7	17434.59	0.6810	Pulse	0.1000	3
Ti	47	159	He	6.966	ppb	151.4	16.67	0.0001	Pulse	0.1000	3
V	51	72	He	4.709	ppb	12.4	496.01	0.0194	Pulse	0.5000	3
Cr	52	45	He	0.573	ppb	378.8	553.36	0.0496	Pulse	0.1000	3
Mn	55	45	He	2011.599	ppb	3.8	79183.59	7.0436	Pulse	0.1000	3
Fe	57	72	He	132.869	ppb	3.5	393.35	0.0153	Pulse	0.1000	3
Co	59	72	He	0.589	ppb	24.2	266.68	0.0104	Pulse	0.1000	3
Ni	60	72	He	1.942	ppb	11.4	300.02	0.0117	Pulse	0.1000	3
Cu	63	72	He	1.876	ppb	30.2	546.70	0.0215	Pulse	0.1000	3
Zn	66	72	He	20.801	ppb	6.6	463.36	0.0181	Pulse	0.1000	3
As	75	45	He	25.225	ppb	14.4	295.34	0.0263	Pulse	0.5000	3
Sr	88	159	He	407.350	ppb	1.6	19704.73	0.1133	Pulse	0.1000	3
Mo	98	159	He	5.279	ppb	5.2	1020.07	0.0059	Pulse	0.1000	3
Ag	107	159	He	0.039	ppb	67.2	46.67	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.097	ppb	56.3	7.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	2.356	ppb	16.4	2113.58	0.0121	Pulse	0.1000	3
Sb	121	159	He	8.482	ppb	14.4	773.38	0.0044	Pulse	0.1000	3
Ba	137	159	He	163.119	ppb	4.5	5891.52	0.0339	Pulse	0.1000	3
Tl	205	159	He	-0.033	ppb	N/A	203.34	0.0012	Pulse	0.1000	3
Pb	208	159	He	0.581	ppb	14.0	606.70	0.0035	Pulse	0.1000	3
U	238	209	He	0.050	ppb	44.3	260.01	0.0019	Pulse	0.1000	3

ISTD Table:

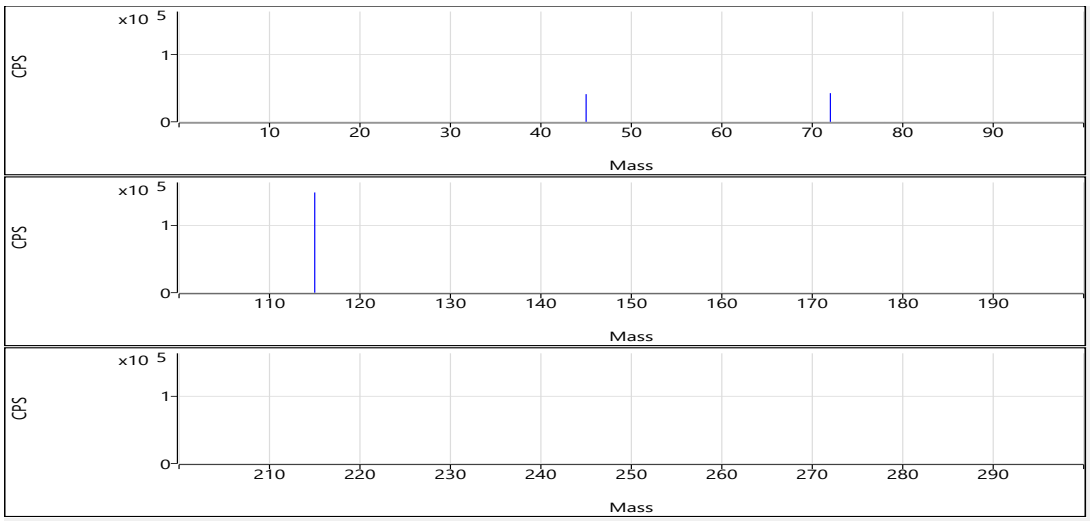
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1032755.19	0.4	98.8	Analog	0.1000	3
No Gas	Ge	72	600225.95	1.2	99.8	Pulse	0.1000	3
H2	Sc	45	40799.74	0.1	96.5	Pulse	0.1000	3
H2	Ge	72	42258.66	1.2	96.3	Pulse	0.1000	3
H2	In	115	147833.46	1.0	98.1	Pulse	0.1000	3
He	Sc	45	11251.57	3.4	98.5	Pulse	0.1000	3
He	Ge	72	25647.86	5.6	101.3	Pulse	0.1000	3
He	In	115	27238.24	4.9	99.8	Pulse	0.1000	3
He	Tb	159	173958.99	0.6	98.6	Pulse	0.1000	3
He	Bi	209	134653.10	2.2	99.8	Pulse	0.1000	3

No Gas

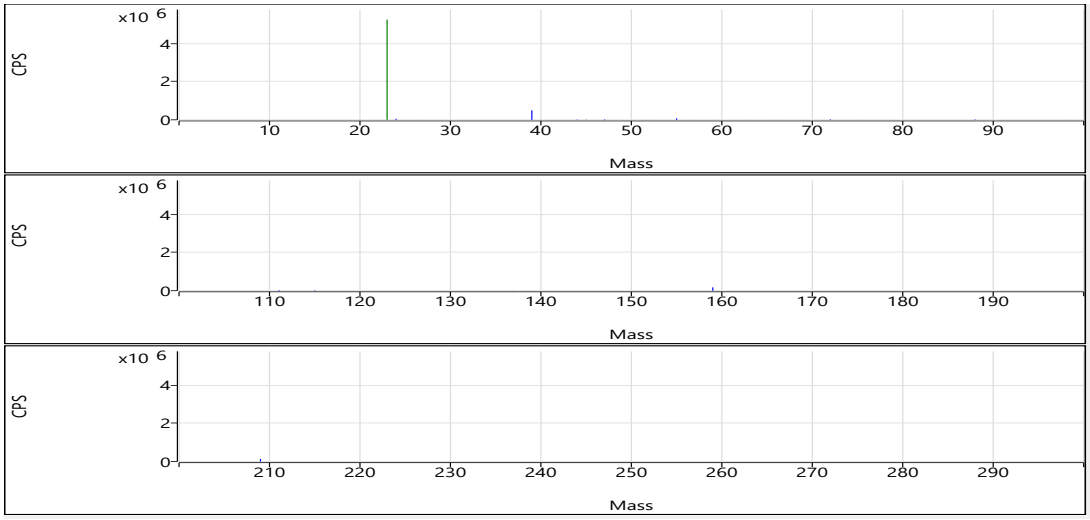


H2



Quantitation Report

He



Quantitation Report

Data File Name	126_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:17:48 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

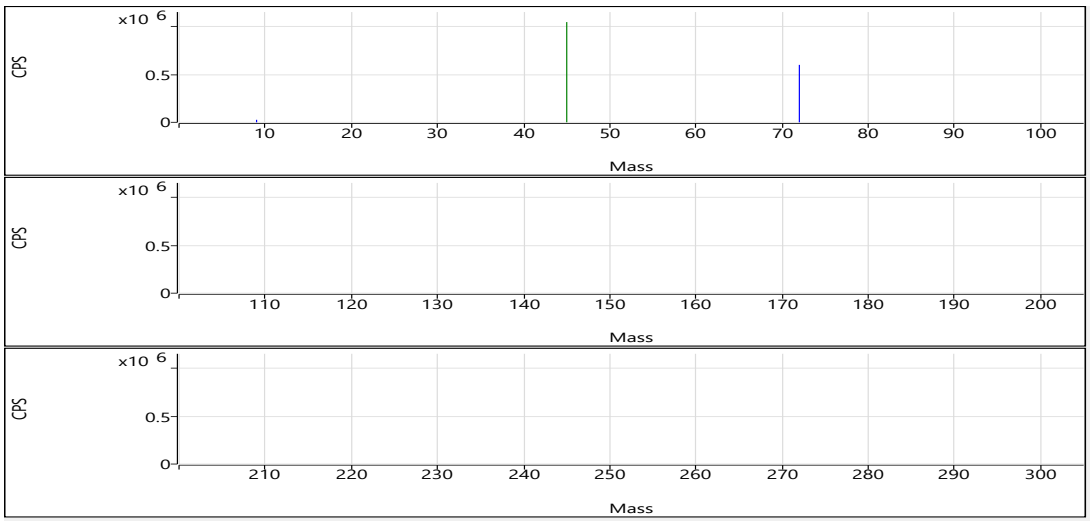
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	49.275	ug/L	1.9	26055.35	0.0248	Pulse	0.5000	3
Se	78	72	H2	51.233	ppb	3.8	1320.95	0.0310	Pulse	1.5000	3
Na	23	72	He	4948.709	ug/L	0.9	230158.99	9.2044	Pulse	0.1000	3
Mg	24	72	He	4950.129	ug/L	0.7	115402.66	4.6149	Pulse	0.1000	3
Al	27	72	He	4967.357	ug/L	1.7	31655.76	1.2659	Pulse	0.1000	3
K	39	72	He	4910.409	ppb	1.2	66788.00	2.6710	Pulse	0.1000	3
Ca	44	72	He	4848.285	ppb	1.0	4247.44	0.1699	Pulse	0.1000	3
Ti	47	159	He	5032.499	ppb	1.2	37453.87	0.2107	Pulse	0.1000	3
V	51	72	He	497.416	ppb	1.0	195489.16	7.8179	Pulse	0.5000	3
Cr	52	45	He	509.169	ppb	0.9	270764.04	23.7837	Pulse	0.1000	3
Mn	55	45	He	509.208	ppb	0.4	101482.14	8.9137	Pulse	0.1000	3
Fe	57	72	He	4852.086	ppb	3.0	53830.73	2.1531	Pulse	0.1000	3
Co	59	72	He	478.977	ppb	0.4	613332.44	24.5276	Pulse	0.1000	3
Ni	60	72	He	500.070	ppb	1.1	182768.39	7.3094	Pulse	0.1000	3
Cu	63	72	He	495.765	ppb	0.5	536835.47	21.4686	Pulse	0.1000	3
Zn	66	72	He	499.003	ppb	0.2	48441.76	1.9372	Pulse	0.1000	3
As	75	45	He	510.599	ppb	0.6	29290.81	2.5727	Pulse	0.5000	3
Sr	88	159	He	51.003	ppb	3.3	12739.66	0.0717	Pulse	0.1000	3
Mo	98	159	He	50.348	ppb	1.2	46891.42	0.2638	Pulse	0.1000	3
Ag	107	159	He	49.840	ppb	1.8	110383.81	0.6209	Pulse	0.1000	3
Cd	111	159	He	50.200	ppb	0.1	10665.57	0.0600	Pulse	0.5000	3
Sn	120	159	He	49.791	ppb	1.3	30254.89	0.1702	Pulse	0.1000	3
Sb	121	159	He	50.166	ppb	2.4	22993.78	0.1294	Pulse	0.1000	3
Ba	137	159	He	492.175	ppb	2.0	78692.41	0.4427	Pulse	0.1000	3
Tl	205	159	He	49.938	ppb	1.3	281233.14	1.5818	Pulse	0.1000	3
Pb	208	159	He	49.785	ppb	1.0	195320.17	1.0986	Pulse	0.1000	3
U	238	209	He	49.482	ppb	0.8	451857.48	3.2887	Pulse	0.1000	3

ISTD Table:

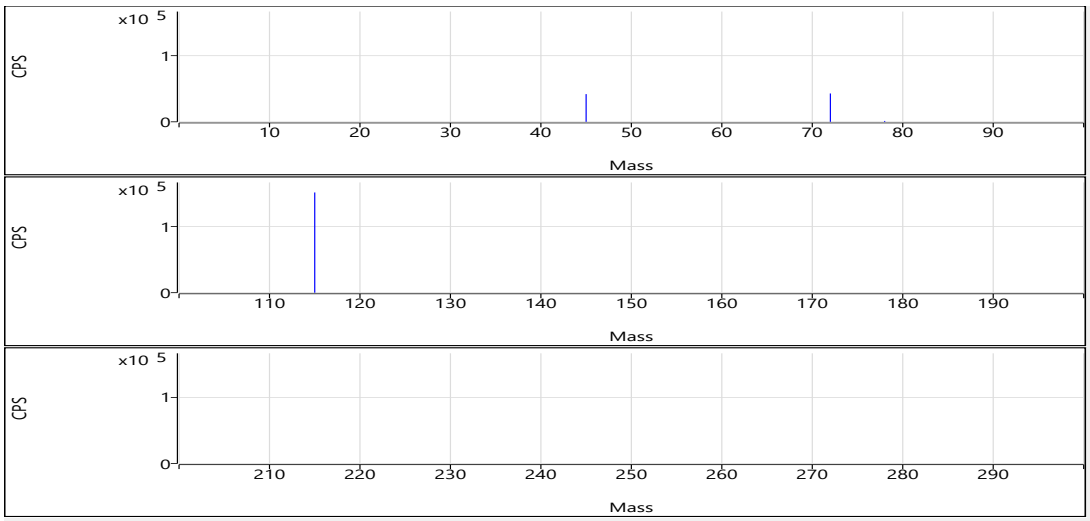
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1048697.54	0.3	100.3	Analog	0.1000	3
No Gas	Ge	72	600922.78	0.6	99.9	Pulse	0.1000	3
H2	Sc	45	41668.99	3.7	98.6	Pulse	0.1000	3
H2	Ge	72	42636.54	1.5	97.2	Pulse	0.1000	3
H2	In	115	150785.12	2.0	100.1	Pulse	0.1000	3
He	Sc	45	11384.94	0.8	99.7	Pulse	0.1000	3
He	Ge	72	25006.40	1.1	98.7	Pulse	0.1000	3
He	In	115	27485.27	1.9	100.7	Pulse	0.1000	3
He	Tb	159	177780.97	1.0	100.8	Pulse	0.1000	3
He	Bi	209	137411.94	2.2	101.9	Pulse	0.1000	3

No Gas

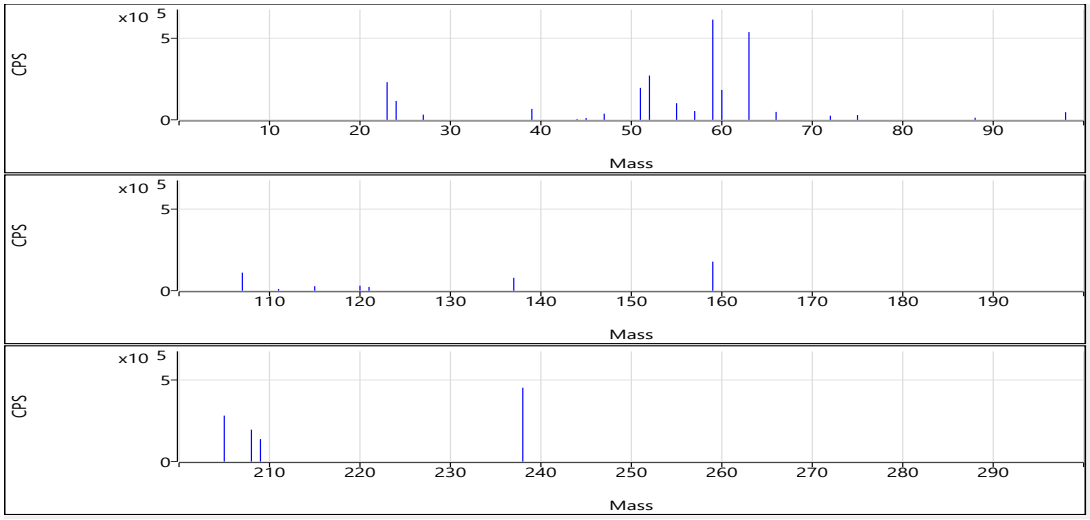


H2



Quantitation Report

He



Quantitation Report

Data File Name	128_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:21:48 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

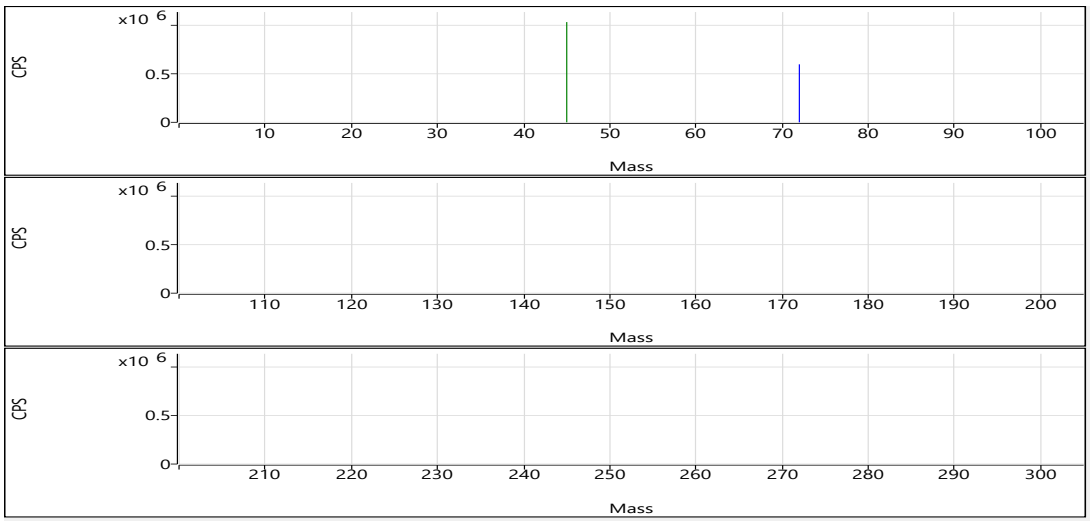
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.013	ug/L	87.0	32.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.032	ppb	N/A	1.33	0.0000	Pulse	1.5000	3
Na	23	72	He	14.310	ug/L	43.6	6335.00	0.2493	Pulse	0.1000	3
Mg	24	72	He	-1.426	ug/L	N/A	126.67	0.0050	Pulse	0.1000	3
Al	27	72	He	-3.633	ug/L	N/A	23.33	0.0009	Pulse	0.1000	3
K	39	72	He	14.980	ppb	56.2	2230.26	0.0878	Pulse	0.1000	3
Ca	44	72	He	37.873	ppb	142.5	56.67	0.0022	Pulse	0.1000	3
Ti	47	159	He	-0.003	ppb	N/A	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.069	ppb	106.4	144.67	0.0057	Pulse	0.5000	3
Cr	52	45	He	-0.045	ppb	N/A	476.69	0.0422	Pulse	0.1000	3
Mn	55	45	He	0.093	ppb	196.6	70.00	0.0062	Pulse	0.1000	3
Fe	57	72	He	3.519	ppb	72.4	130.01	0.0051	Pulse	0.1000	3
Co	59	72	He	-0.005	ppb	N/A	103.34	0.0041	Pulse	0.1000	3
Ni	60	72	He	0.070	ppb	130.3	180.01	0.0071	Pulse	0.1000	3
Cu	63	72	He	0.048	ppb	35.2	186.68	0.0073	Pulse	0.1000	3
Zn	66	72	He	-0.237	ppb	N/A	26.67	0.0011	Pulse	0.1000	3
As	75	45	He	0.040	ppb	284.2	12.67	0.0011	Pulse	0.5000	3
Sr	88	159	He	-0.220	ppb	N/A	303.35	0.0017	Pulse	0.1000	3
Mo	98	159	He	0.036	ppb	126.6	93.34	0.0005	Pulse	0.1000	3
Ag	107	159	He	0.014	ppb	86.8	60.00	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.007	ppb	341.6	4.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.169	ppb	N/A	1776.86	0.0101	Pulse	0.1000	3
Sb	121	159	He	0.037	ppb	103.7	30.00	0.0002	Pulse	0.1000	3
Ba	137	159	He	-1.335	ppb	N/A	643.37	0.0037	Pulse	0.1000	3
Tl	205	159	He	-0.011	ppb	N/A	183.34	0.0010	Pulse	0.1000	3
Pb	208	159	He	0.002	ppb	256.2	170.01	0.0010	Pulse	0.1000	3
U	238	209	He	0.004	ppb	75.8	203.34	0.0015	Pulse	0.1000	3

ISTD Table:

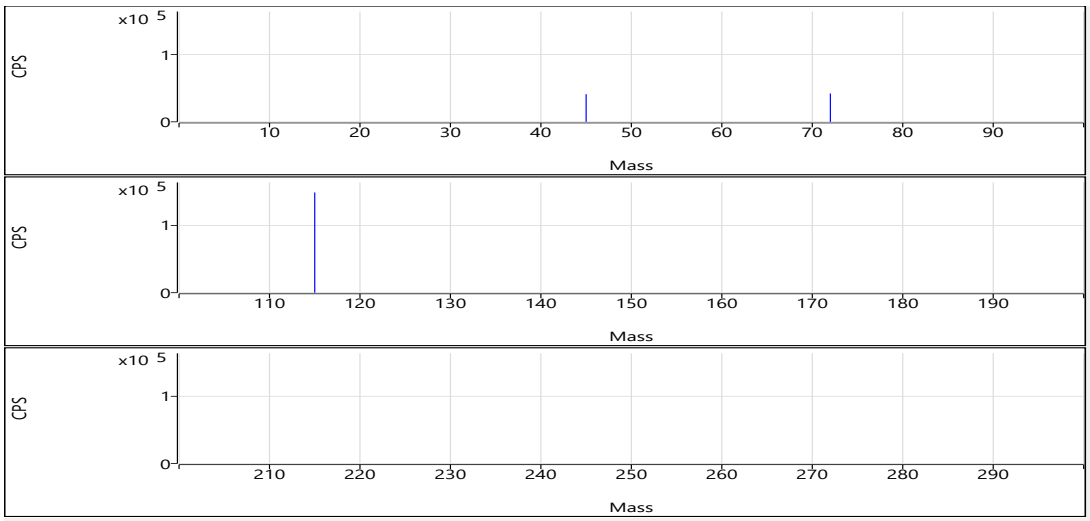
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1033120.25	0.2	98.8	Analog	0.1000	3
No Gas	Ge	72	597557.56	1.2	99.4	Pulse	0.1000	3
H2	Sc	45	41084.05	5.1	97.2	Pulse	0.1000	3
H2	Ge	72	42111.51	1.2	96.0	Pulse	0.1000	3
H2	In	115	149063.32	1.0	98.9	Pulse	0.1000	3
He	Sc	45	11288.25	1.3	98.8	Pulse	0.1000	3
He	Ge	72	25410.65	1.1	100.3	Pulse	0.1000	3
He	In	115	27161.44	0.8	99.5	Pulse	0.1000	3
He	Tb	159	176036.61	0.9	99.8	Pulse	0.1000	3
He	Bi	209	135084.13	1.5	100.2	Pulse	0.1000	3

No Gas

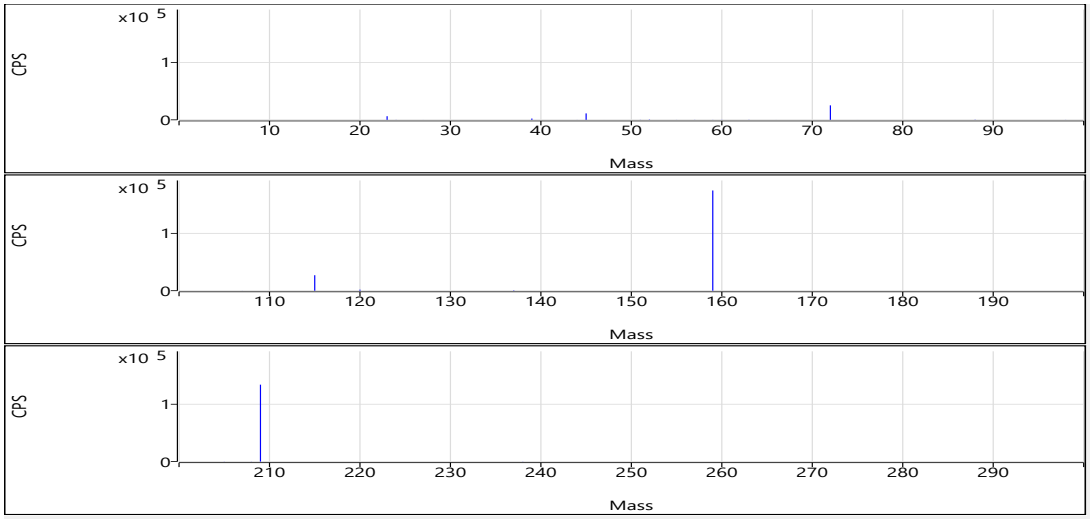


H2



Quantitation Report

He



Quantitation Report

Data File Name	130_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:25:50 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

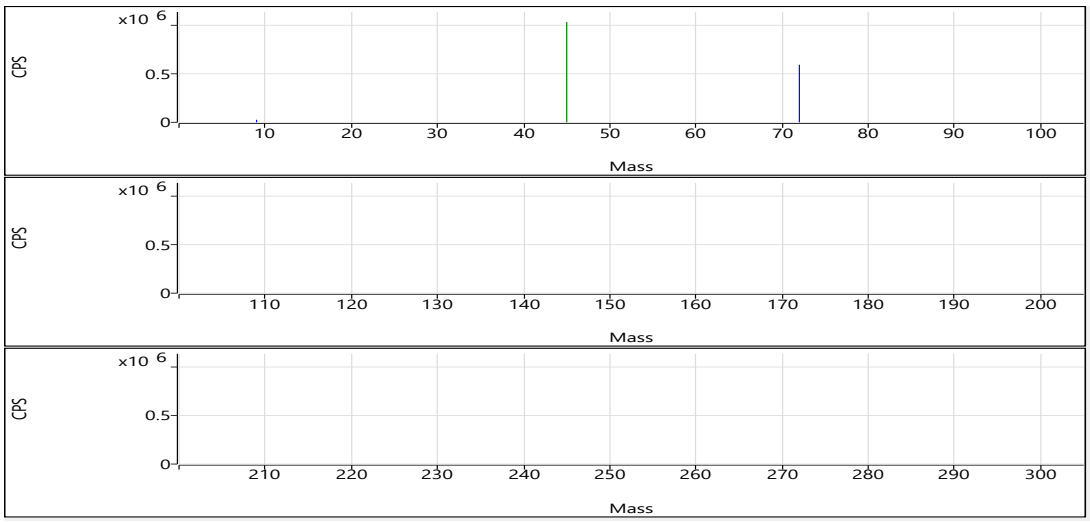
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	49.679	ug/L	2.1	25899.11	0.0250	Pulse	0.5000	3
Se	78	72	H2	49.874	ppb	1.9	1268.06	0.0302	Pulse	1.5000	3
Na	23	72	He	4912.440	ug/L	0.8	229117.74	9.1385	Pulse	0.1000	3
Mg	24	72	He	4825.858	ug/L	1.9	112788.11	4.4992	Pulse	0.1000	3
Al	27	72	He	4908.577	ug/L	3.4	31355.20	1.2509	Pulse	0.1000	3
K	39	72	He	4851.584	ppb	0.6	66191.69	2.6400	Pulse	0.1000	3
Ca	44	72	He	4764.449	ppb	6.2	4184.11	0.1669	Pulse	0.1000	3
Ti	47	159	He	5049.077	ppb	4.7	37173.00	0.2114	Pulse	0.1000	3
V	51	72	He	488.542	ppb	0.9	192507.70	7.6785	Pulse	0.5000	3
Cr	52	45	He	509.292	ppb	3.7	266556.42	23.7895	Pulse	0.1000	3
Mn	55	45	He	502.232	ppb	4.0	98497.69	8.7917	Pulse	0.1000	3
Fe	57	72	He	4818.082	ppb	0.5	53609.81	2.1381	Pulse	0.1000	3
Co	59	72	He	471.505	ppb	1.2	605323.42	24.1450	Pulse	0.1000	3
Ni	60	72	He	493.723	ppb	1.4	180923.73	7.2167	Pulse	0.1000	3
Cu	63	72	He	493.362	ppb	1.6	535598.05	21.3646	Pulse	0.1000	3
Zn	66	72	He	487.226	ppb	1.7	47418.25	1.8915	Pulse	0.1000	3
As	75	45	He	512.666	ppb	3.2	28945.43	2.5831	Pulse	0.5000	3
Sr	88	159	He	49.007	ppb	2.2	12129.06	0.0689	Pulse	0.1000	3
Mo	98	159	He	49.861	ppb	1.1	45955.06	0.2612	Pulse	0.1000	3
Ag	107	159	He	49.661	ppb	2.7	108830.50	0.6187	Pulse	0.1000	3
Cd	111	159	He	50.284	ppb	5.0	10567.50	0.0601	Pulse	0.5000	3
Sn	120	159	He	49.195	ppb	2.3	29596.66	0.1683	Pulse	0.1000	3
Sb	121	159	He	50.111	ppb	2.9	22729.85	0.1292	Pulse	0.1000	3
Ba	137	159	He	499.077	ppb	2.3	78950.67	0.4488	Pulse	0.1000	3
Tl	205	159	He	49.988	ppb	1.0	278551.71	1.5834	Pulse	0.1000	3
Pb	208	159	He	50.165	ppb	1.5	194732.59	1.1070	Pulse	0.1000	3
U	238	209	He	49.388	ppb	1.1	448726.45	3.2824	Pulse	0.1000	3

ISTD Table:

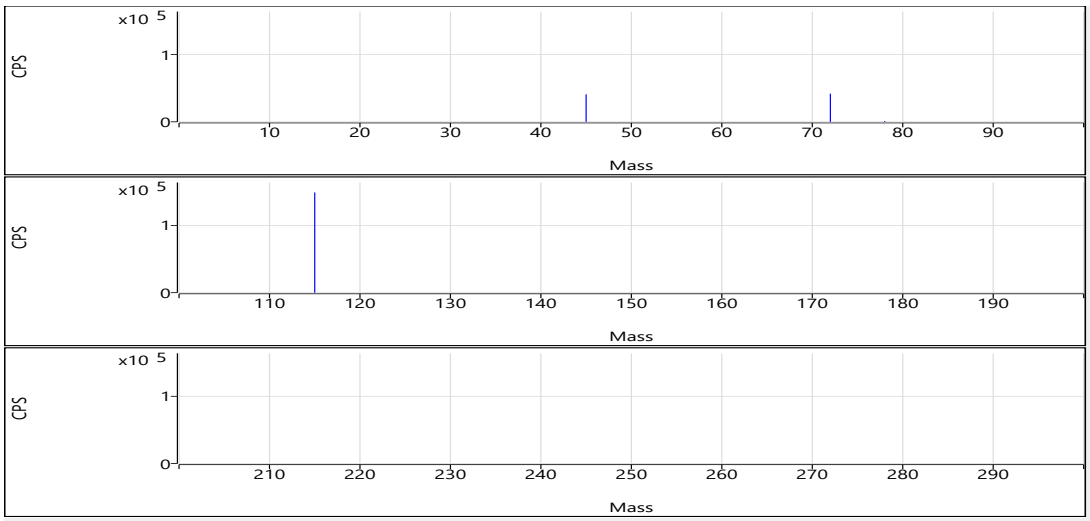
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1033859.57	0.4	98.9	Analog	0.1000	3
No Gas	Ge	72	593287.28	0.2	98.7	Pulse	0.1000	3
H2	Sc	45	41020.62	1.3	97.1	Pulse	0.1000	3
H2	Ge	72	42051.10	2.3	95.9	Pulse	0.1000	3
H2	In	115	149696.37	1.3	99.3	Pulse	0.1000	3
He	Sc	45	11214.82	3.8	98.2	Pulse	0.1000	3
He	Ge	72	25073.25	1.5	99.0	Pulse	0.1000	3
He	In	115	27344.98	0.5	100.2	Pulse	0.1000	3
He	Tb	159	175939.15	1.5	99.7	Pulse	0.1000	3
He	Bi	209	136714.15	1.5	101.4	Pulse	0.1000	3

No Gas

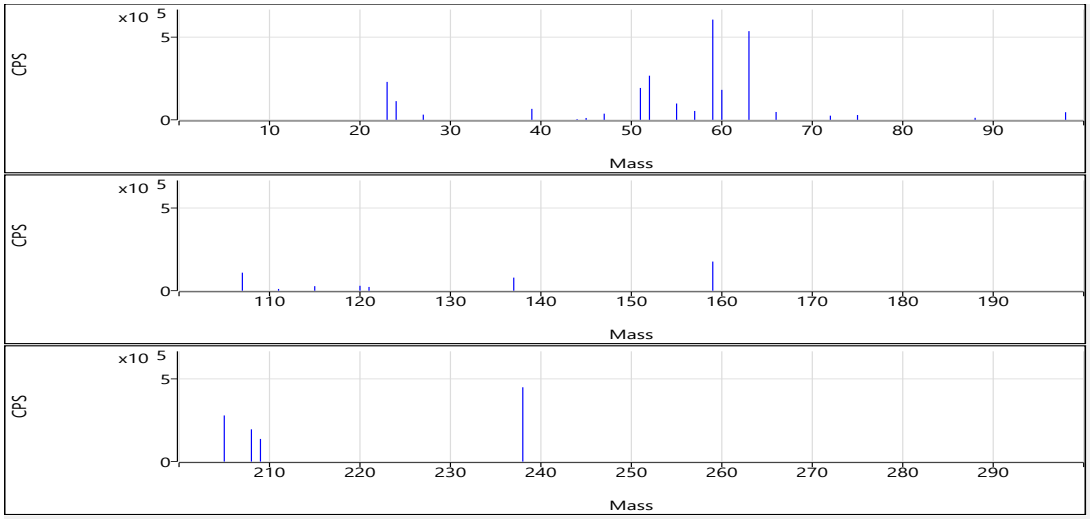


H2



Quantitation Report

He



Quantitation Report

Data File Name	132_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:29:51 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

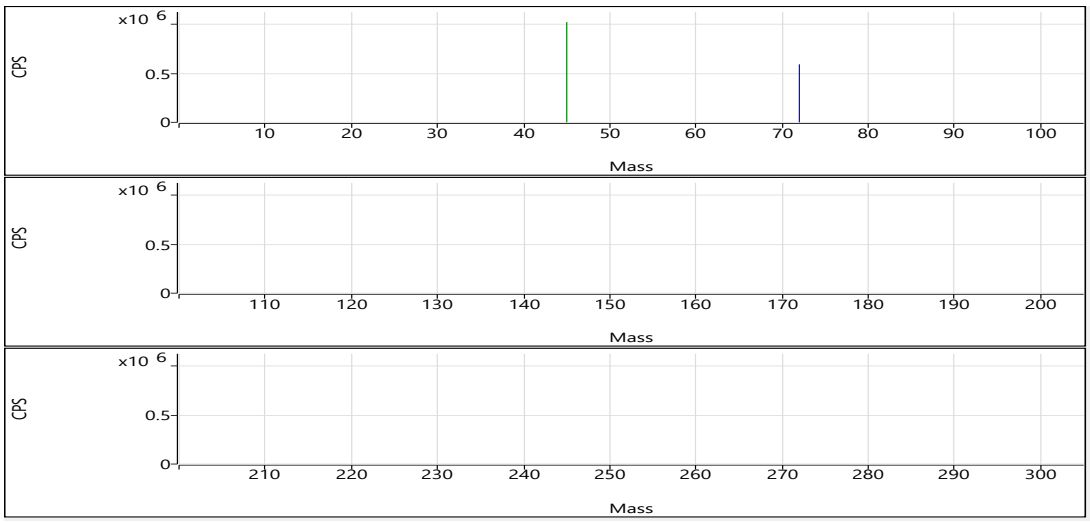
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.002	ug/L	190.0	26.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.022	ppb	N/A	1.56	0.0000	Pulse	1.5000	3
Na	23	72	He	6.251	ug/L	42.9	5811.37	0.2347	Pulse	0.1000	3
Mg	24	72	He	1.595	ug/L	75.6	193.34	0.0078	Pulse	0.1000	3
Al	27	72	He	-1.970	ug/L	N/A	33.33	0.0013	Pulse	0.1000	3
K	39	72	He	10.138	ppb	176.9	2113.56	0.0852	Pulse	0.1000	3
Ca	44	72	He	47.099	ppb	58.2	63.33	0.0026	Pulse	0.1000	3
Ti	47	159	He	0.458	ppb	2.7	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.059	ppb	120.6	137.33	0.0055	Pulse	0.5000	3
Cr	52	45	He	0.025	ppb	758.3	500.03	0.0455	Pulse	0.1000	3
Mn	55	45	He	-0.019	ppb	N/A	46.67	0.0042	Pulse	0.1000	3
Fe	57	72	He	1.071	ppb	295.5	100.00	0.0040	Pulse	0.1000	3
Co	59	72	He	0.005	ppb	123.9	113.34	0.0046	Pulse	0.1000	3
Ni	60	72	He	-0.008	ppb	N/A	146.67	0.0059	Pulse	0.1000	3
Cu	63	72	He	0.009	ppb	164.3	140.01	0.0056	Pulse	0.1000	3
Zn	66	72	He	0.013	ppb	837.9	50.00	0.0020	Pulse	0.1000	3
As	75	45	He	-0.002	ppb	N/A	10.00	0.0009	Pulse	0.5000	3
Sr	88	159	He	-0.589	ppb	N/A	213.34	0.0012	Pulse	0.1000	3
Mo	98	159	He	0.000	ppb	4039.7	60.00	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.006	ppb	155.0	43.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.010	ppb	N/A	1.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	0.034	ppb	334.8	1886.88	0.0107	Pulse	0.1000	3
Sb	121	159	He	0.037	ppb	158.2	30.00	0.0002	Pulse	0.1000	3
Ba	137	159	He	-1.664	ppb	N/A	590.04	0.0034	Pulse	0.1000	3
Tl	205	159	He	-0.002	ppb	N/A	230.01	0.0013	Pulse	0.1000	3
Pb	208	159	He	-0.007	ppb	N/A	136.67	0.0008	Pulse	0.1000	3
U	238	209	He	0.000	ppb	2293.7	173.34	0.0013	Pulse	0.1000	3

ISTD Table:

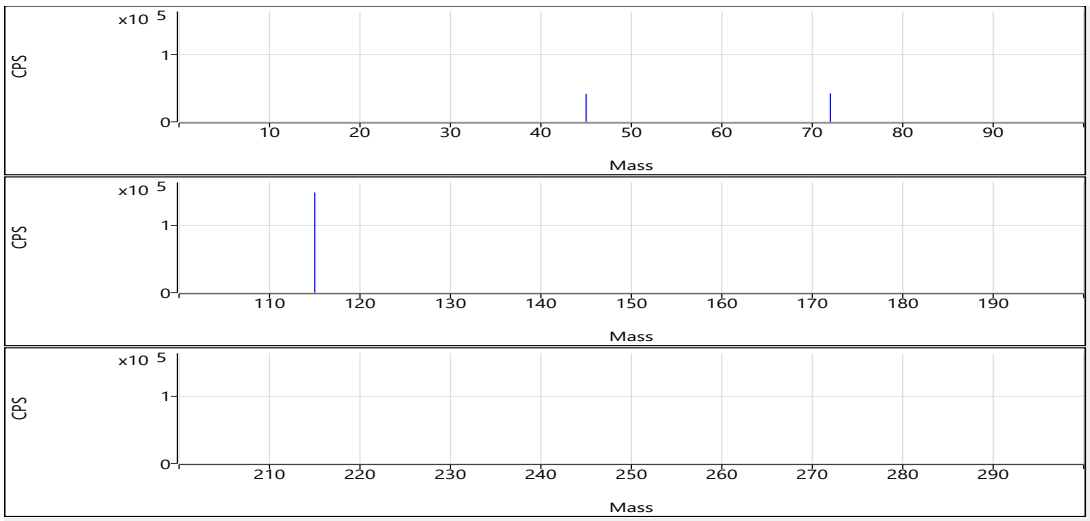
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1024201.50	0.1	98.0	Analog	0.1000	3
No Gas	Ge	72	592411.49	0.1	98.5	Pulse	0.1000	3
H2	Sc	45	41224.20	0.4	97.5	Pulse	0.1000	3
H2	Ge	72	41964.09	1.9	95.7	Pulse	0.1000	3
H2	In	115	147993.86	0.2	98.2	Pulse	0.1000	3
He	Sc	45	11004.69	2.5	96.3	Pulse	0.1000	3
He	Ge	72	24769.38	1.8	97.8	Pulse	0.1000	3
He	In	115	26817.27	1.3	98.2	Pulse	0.1000	3
He	Tb	159	175547.82	0.9	99.5	Pulse	0.1000	3
He	Bi	209	135958.78	1.4	100.8	Pulse	0.1000	3

No Gas

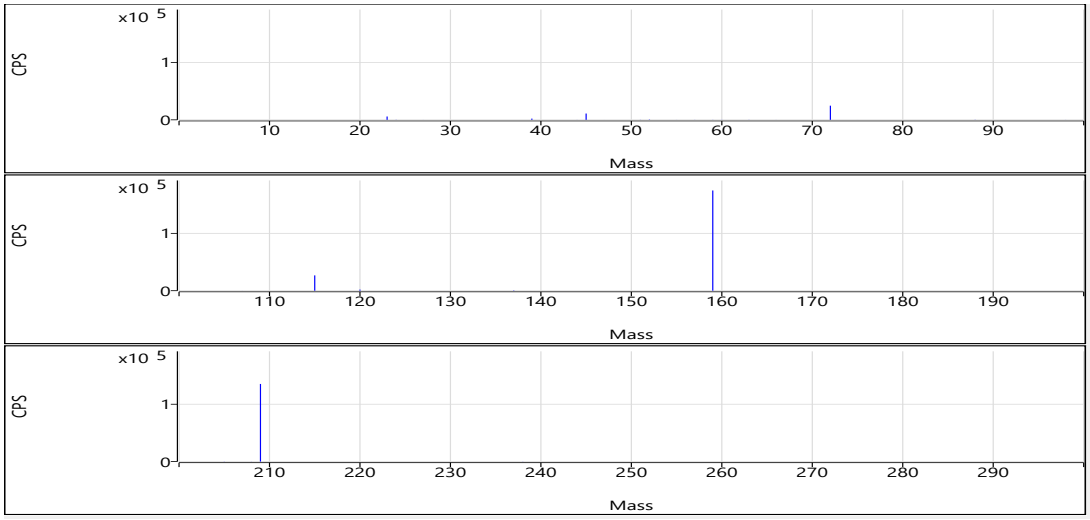


H2



Quantitation Report

He



Quantitation Report

Data File Name	133SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:31:51 PM
Sample Name	410-235921-R-13-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

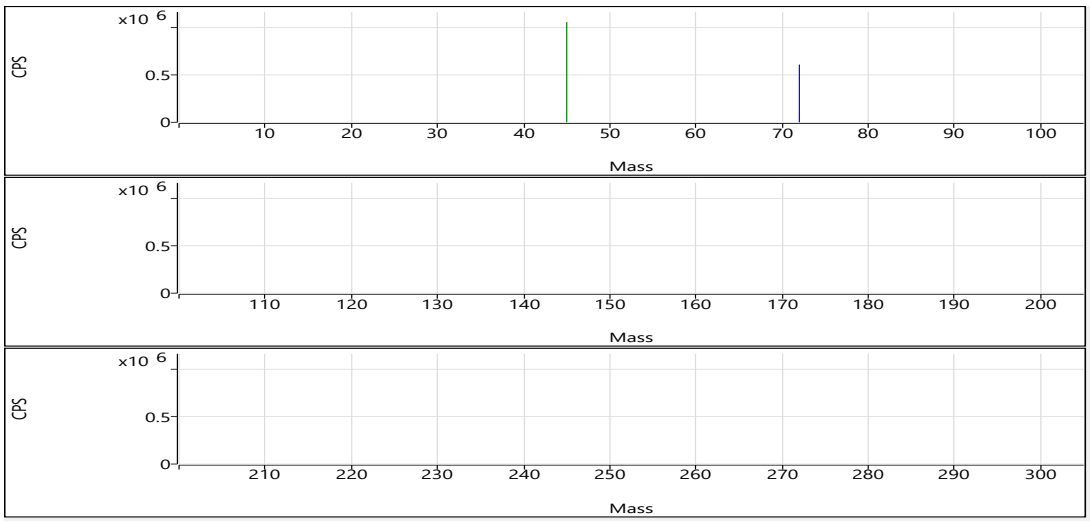
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.372	ug/L	13.5	224.67	0.0002	Pulse	0.5000	3
Se	78	72	H2	0.387	ppb	29.2	12.44	0.0003	Pulse	1.5000	3
Na	23	72	He	11996.690	ug/L	1.0	563715.58	21.9952	Pulse	0.1000	3
Mg	24	72	He	10552.018	ug/L	2.1	251914.98	9.8303	Pulse	0.1000	3
Al	27	72	He	2132.171	ug/L	0.8	13954.10	0.5444	Pulse	0.1000	3
K	39	72	He	3350.554	ppb	1.4	47363.25	1.8479	Pulse	0.1000	3
Ca	44	72	He	21678.230	ppb	0.8	19383.79	0.7563	Pulse	0.1000	3
Ti	47	159	He	88.262	ppb	6.3	656.71	0.0037	Pulse	0.1000	3
V	51	72	He	2.662	ppb	5.8	1189.40	0.0464	Pulse	0.5000	3
Cr	52	45	He	5.152	ppb	3.5	3233.83	0.2845	Pulse	0.1000	3
Mn	55	45	He	101.327	ppb	1.7	20204.97	1.7774	Pulse	0.1000	3
Fe	57	72	He	1797.706	ppb	3.1	20508.97	0.8000	Pulse	0.1000	3
Co	59	72	He	1.455	ppb	4.7	2020.22	0.0788	Pulse	0.1000	3
Ni	60	72	He	7.212	ppb	4.1	2853.73	0.1114	Pulse	0.1000	3
Cu	63	72	He	28.452	ppb	0.9	31706.69	1.2370	Pulse	0.1000	3
Zn	66	72	He	155.210	ppb	2.4	15475.83	0.6039	Pulse	0.1000	3
As	75	45	He	0.213	ppb	23.7	22.67	0.0020	Pulse	0.5000	3
Sr	88	159	He	208.580	ppb	1.9	50486.72	0.2869	Pulse	0.1000	3
Mo	98	159	He	0.072	ppb	47.9	126.67	0.0007	Pulse	0.1000	3
Ag	107	159	He	0.046	ppb	34.6	130.01	0.0007	Pulse	0.1000	3
Cd	111	159	He	0.203	ppb	33.2	46.00	0.0003	Pulse	0.5000	3
Sn	120	159	He	-0.560	ppb	N/A	1556.83	0.0088	Pulse	0.1000	3
Sb	121	159	He	0.088	ppb	51.7	53.33	0.0003	Pulse	0.1000	3
Ba	137	159	He	113.473	ppb	1.1	18616.95	0.1058	Pulse	0.1000	3
Tl	205	159	He	0.042	ppb	41.0	476.70	0.0027	Pulse	0.1000	3
Pb	208	159	He	8.210	ppb	3.3	32014.38	0.1819	Pulse	0.1000	3
U	238	209	He	0.095	ppb	10.9	1026.76	0.0075	Pulse	0.1000	3

ISTD Table:

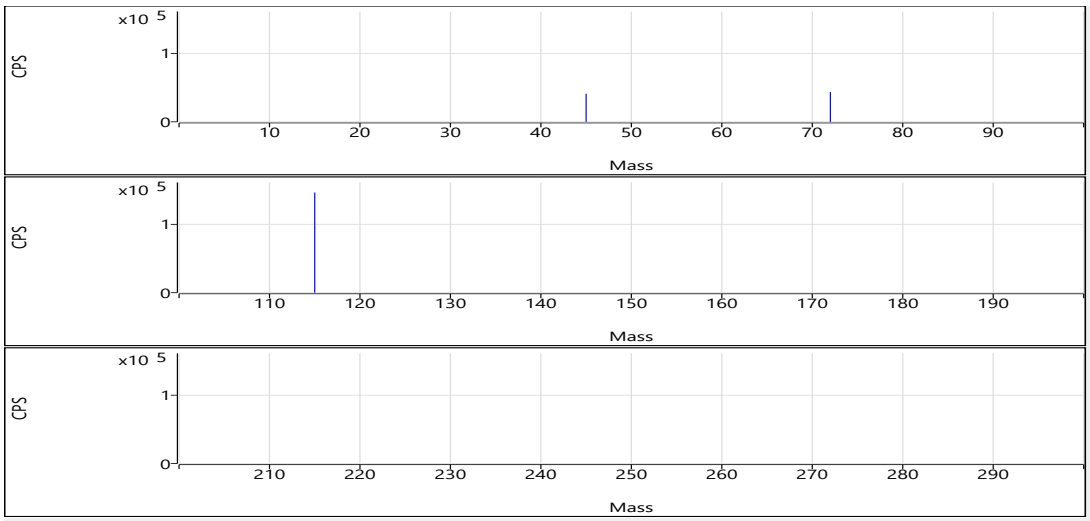
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1058300.58	0.7	101.2	Analog	0.1000	3
No Gas	Ge	72	609364.92	0.9	101.3	Pulse	0.1000	3
H2	Sc	45	41244.38	1.5	97.6	Pulse	0.1000	3
H2	Ge	72	43659.44	1.4	99.5	Pulse	0.1000	3
H2	In	115	147356.78	1.3	97.8	Pulse	0.1000	3
He	Sc	45	11371.70	3.3	99.6	Pulse	0.1000	3
He	Ge	72	25630.93	1.2	101.2	Pulse	0.1000	3
He	In	115	27441.93	2.3	100.5	Pulse	0.1000	3
He	Tb	159	175986.44	0.5	99.8	Pulse	0.1000	3
He	Bi	209	136034.03	1.0	100.9	Pulse	0.1000	3

No Gas

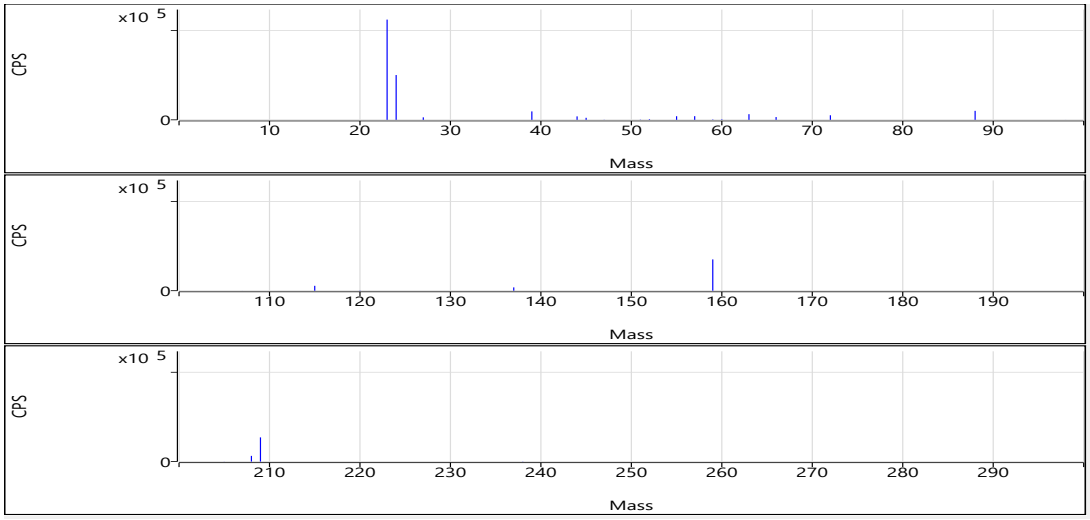


H2



Quantitation Report

He



Quantitation Report

Data File Name	134SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:33:50 PM
Sample Name	410-235921-U-13-A DU
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

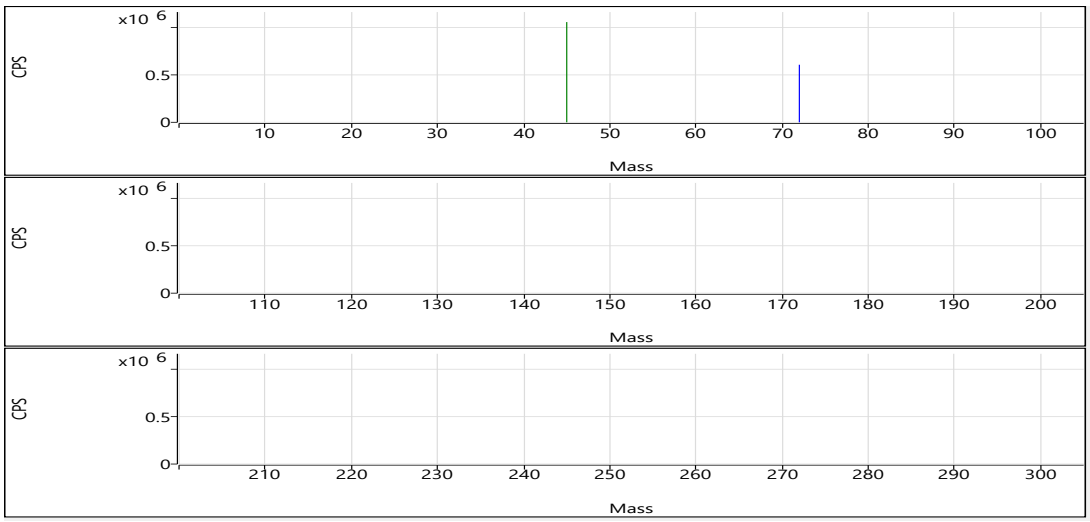
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.330	ug/L	8.7	202.00	0.0002	Pulse	0.5000	3
Se	78	72	H2	0.473	ppb	19.5	14.89	0.0003	Pulse	1.5000	3
Na	23	72	He	12196.086	ug/L	0.7	564737.38	22.3571	Pulse	0.1000	3
Mg	24	72	He	10817.410	ug/L	1.0	254552.04	10.0773	Pulse	0.1000	3
Al	27	72	He	2142.028	ug/L	6.5	13812.45	0.5469	Pulse	0.1000	3
K	39	72	He	3403.372	ppb	0.9	47383.20	1.8758	Pulse	0.1000	3
Ca	44	72	He	22291.191	ppb	2.1	19644.30	0.7777	Pulse	0.1000	3
Ti	47	159	He	104.356	ppb	6.8	780.07	0.0044	Pulse	0.1000	3
V	51	72	He	2.427	ppb	3.0	1079.38	0.0427	Pulse	0.5000	3
Cr	52	45	He	4.834	ppb	14.1	3047.09	0.2697	Pulse	0.1000	3
Mn	55	45	He	106.837	ppb	1.1	21189.91	1.8738	Pulse	0.1000	3
Fe	57	72	He	1741.838	ppb	2.8	19581.01	0.7752	Pulse	0.1000	3
Co	59	72	He	1.642	ppb	4.2	2233.58	0.0884	Pulse	0.1000	3
Ni	60	72	He	7.150	ppb	3.0	2790.39	0.1105	Pulse	0.1000	3
Cu	63	72	He	28.957	ppb	1.1	31800.43	1.2589	Pulse	0.1000	3
Zn	66	72	He	162.389	ppb	3.4	15956.36	0.6317	Pulse	0.1000	3
As	75	45	He	0.133	ppb	70.2	18.00	0.0016	Pulse	0.5000	3
Sr	88	159	He	206.705	ppb	1.3	50353.13	0.2843	Pulse	0.1000	3
Mo	98	159	He	0.093	ppb	56.0	146.67	0.0008	Pulse	0.1000	3
Ag	107	159	He	0.035	ppb	28.3	106.67	0.0006	Pulse	0.1000	3
Cd	111	159	He	0.258	ppb	39.9	58.00	0.0003	Pulse	0.5000	3
Sn	120	159	He	-0.319	ppb	N/A	1703.51	0.0096	Pulse	0.1000	3
Sb	121	159	He	0.088	ppb	30.1	53.33	0.0003	Pulse	0.1000	3
Ba	137	159	He	113.780	ppb	6.3	18780.55	0.1061	Pulse	0.1000	3
Tl	205	159	He	0.025	ppb	33.9	386.69	0.0022	Pulse	0.1000	3
Pb	208	159	He	8.349	ppb	0.2	32770.02	0.1850	Pulse	0.1000	3
U	238	209	He	0.085	ppb	11.7	940.07	0.0069	Pulse	0.1000	3

ISTD Table:

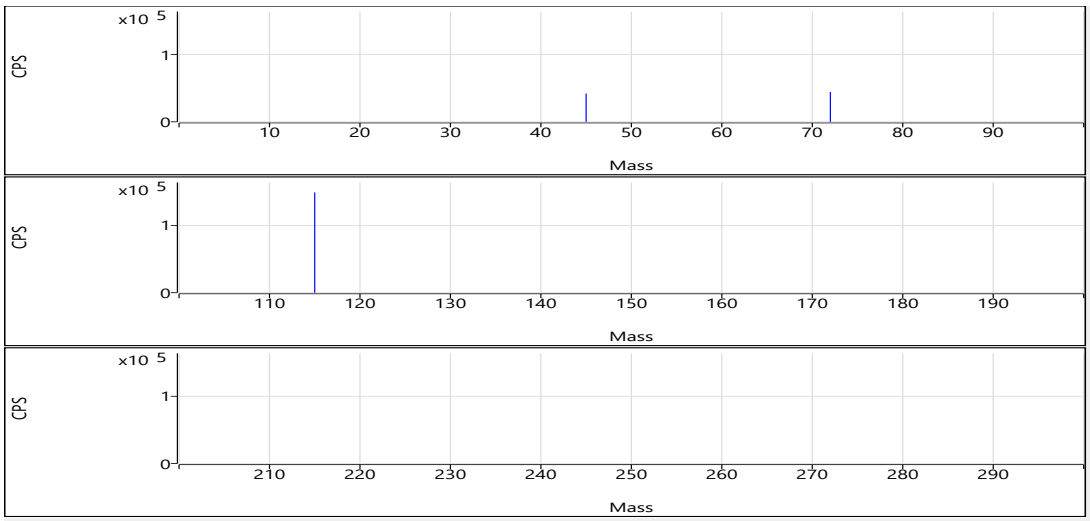
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1056028.11	0.4	101.0	Analog	0.1000	3
No Gas	Ge	72	606411.94	0.2	100.8	Pulse	0.1000	3
H2	Sc	45	41926.24	1.5	99.2	Pulse	0.1000	3
H2	Ge	72	44338.43	1.8	101.1	Pulse	0.1000	3
H2	In	115	148711.28	1.2	98.7	Pulse	0.1000	3
He	Sc	45	11308.21	1.0	99.0	Pulse	0.1000	3
He	Ge	72	25260.44	0.5	99.7	Pulse	0.1000	3
He	In	115	27164.82	3.9	99.5	Pulse	0.1000	3
He	Tb	159	177124.90	1.1	100.4	Pulse	0.1000	3
He	Bi	209	135514.68	1.1	100.5	Pulse	0.1000	3

No Gas

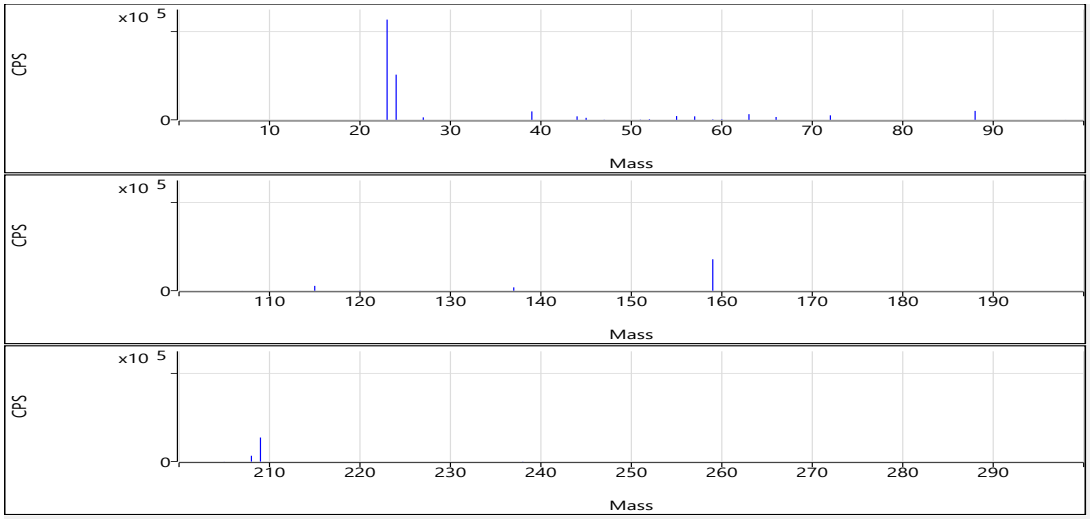


H2



Quantitation Report

He



Quantitation Report

Data File Name	135SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:35:51 PM
Sample Name	410-235921-S-13-A MS
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

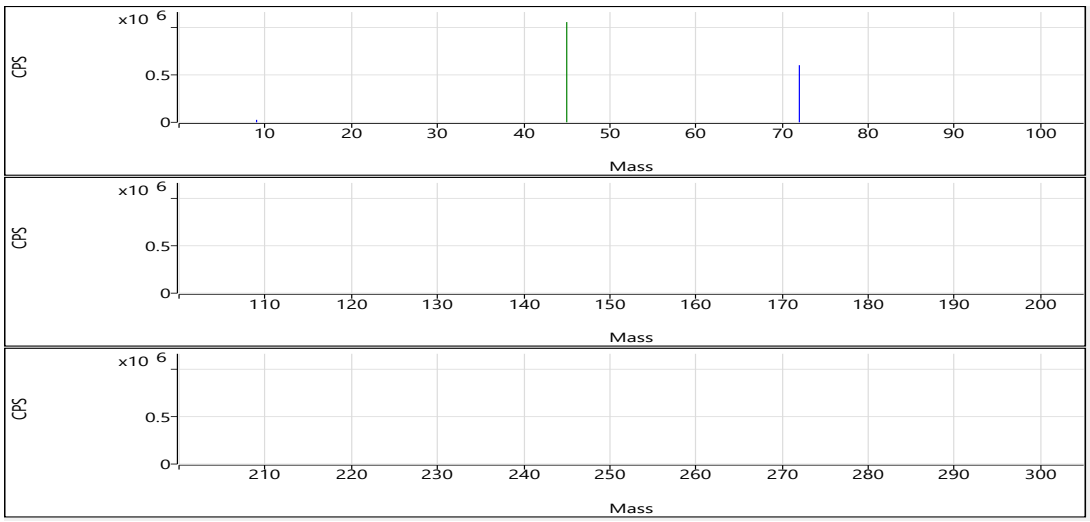
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.483	ug/L	0.9	25802.27	0.0244	Pulse	0.5000	3
Se	78	72	H2	98.194	ppb	1.3	2538.02	0.0593	Pulse	1.5000	3
Na	23	72	He	17962.938	ug/L	1.4	805921.24	32.8229	Analog	0.1000	3
Mg	24	72	He	15897.372	ug/L	1.2	363564.15	14.8068	Pulse	0.1000	3
Al	27	72	He	10513.304	ug/L	1.1	65734.90	2.6771	Pulse	0.1000	3
K	39	72	He	8472.166	ppb	2.2	111728.43	4.5505	Pulse	0.1000	3
Ca	44	72	He	27511.326	ppb	4.2	23560.38	0.9596	Pulse	0.1000	3
Ti	47	159	He	564.439	ppb	8.6	4190.78	0.0237	Pulse	0.1000	3
V	51	72	He	490.899	ppb	1.5	189442.81	7.7155	Pulse	0.5000	3
Cr	52	45	He	489.964	ppb	1.7	261770.32	22.8883	Pulse	0.1000	3
Mn	55	45	He	583.237	ppb	2.1	116749.58	10.2089	Pulse	0.1000	3
Fe	57	72	He	6781.549	ppb	1.8	73854.64	3.0079	Pulse	0.1000	3
Co	59	72	He	469.687	ppb	1.2	590569.32	24.0519	Pulse	0.1000	3
Ni	60	72	He	498.216	ppb	0.9	178813.51	7.2823	Pulse	0.1000	3
Cu	63	72	He	518.934	ppb	1.0	551776.23	22.4717	Pulse	0.1000	3
Zn	66	72	He	670.335	ppb	1.0	63883.51	2.6016	Pulse	0.1000	3
As	75	45	He	501.365	ppb	1.1	28893.34	2.5262	Pulse	0.5000	3
Sr	88	159	He	258.182	ppb	2.8	62830.63	0.3546	Pulse	0.1000	3
Mo	98	159	He	48.791	ppb	2.5	45296.09	0.2556	Pulse	0.1000	3
Ag	107	159	He	49.083	ppb	2.9	108354.06	0.6115	Pulse	0.1000	3
Cd	111	159	He	49.446	ppb	2.6	10471.42	0.0591	Pulse	0.5000	3
Sn	120	159	He	96.754	ppb	1.2	56820.62	0.3206	Pulse	0.1000	3
Sb	121	159	He	97.934	ppb	1.7	44738.56	0.2525	Pulse	0.1000	3
Ba	137	159	He	602.127	ppb	1.6	95782.86	0.5405	Pulse	0.1000	3
Tl	205	159	He	97.611	ppb	1.3	547701.63	3.0905	Pulse	0.1000	3
Pb	208	159	He	57.535	ppb	1.8	224975.81	1.2695	Pulse	0.1000	3
U	238	209	He	49.165	ppb	1.0	444350.23	3.2675	Pulse	0.1000	3

ISTD Table:

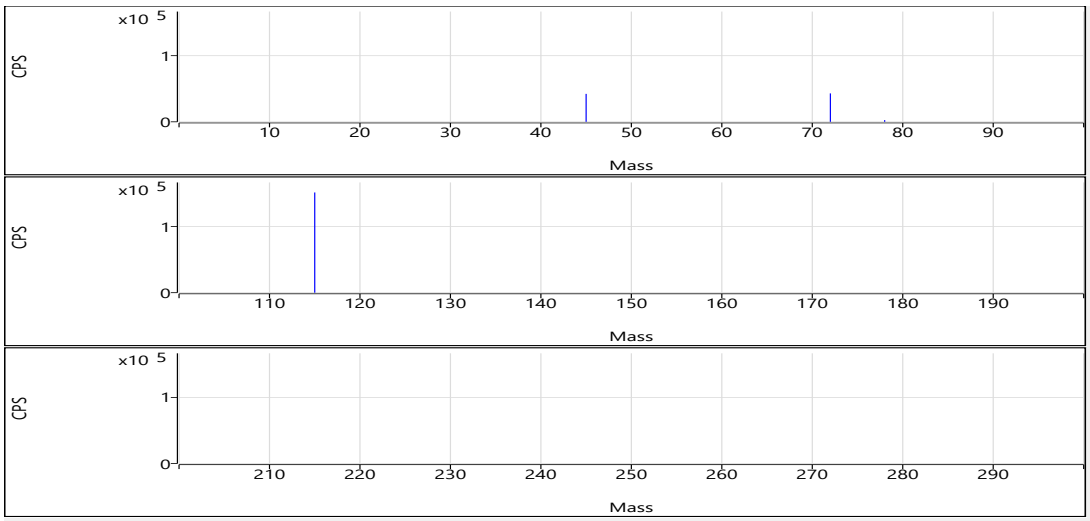
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1055473.06	1.0	101.0	Analog	0.1000	3
No Gas	Ge	72	601392.62	0.9	100.0	Pulse	0.1000	3
H2	Sc	45	42080.16	1.7	99.6	Pulse	0.1000	3
H2	Ge	72	42783.64	2.9	97.5	Pulse	0.1000	3
H2	In	115	150933.99	1.6	100.2	Pulse	0.1000	3
He	Sc	45	11438.39	1.4	100.1	Pulse	0.1000	3
He	Ge	72	24555.83	1.0	96.9	Pulse	0.1000	3
He	In	115	27004.46	1.9	98.9	Pulse	0.1000	3
He	Tb	159	177231.95	1.3	100.5	Pulse	0.1000	3
He	Bi	209	135990.02	1.6	100.8	Pulse	0.1000	3

No Gas

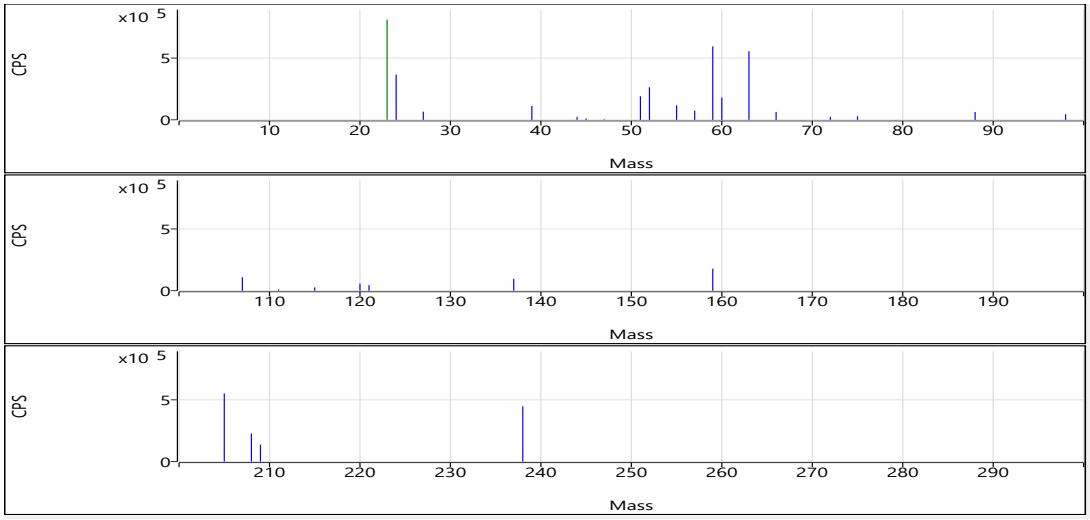


H2



Quantitation Report

He



Quantitation Report

Data File Name	136SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:37:51 PM
Sample Name	410-235921-T-13-A MSD
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

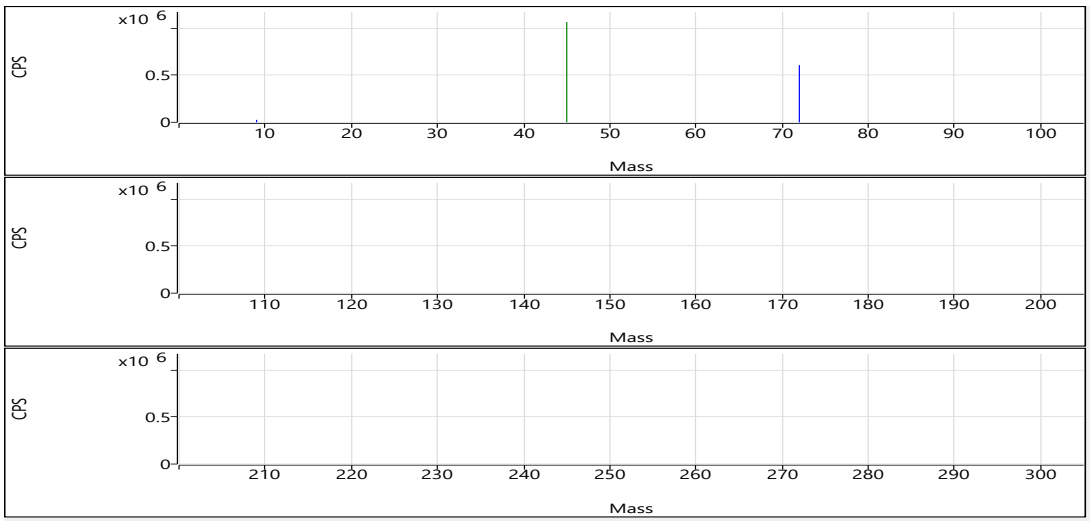
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.986	ug/L	2.1	25789.55	0.0242	Pulse	0.5000	3
Se	78	72	H2	98.647	ppb	4.3	2566.47	0.0596	Pulse	1.5000	3
Na	23	72	He	17380.467	ug/L	1.4	807307.46	31.7658	Analog	0.1000	3
Mg	24	72	He	15540.155	ug/L	1.4	367852.53	14.4742	Pulse	0.1000	3
Al	27	72	He	10580.622	ug/L	3.0	68464.30	2.6942	Pulse	0.1000	3
K	39	72	He	8235.513	ppb	1.9	112490.75	4.4257	Pulse	0.1000	3
Ca	44	72	He	26878.691	ppb	2.7	23827.37	0.9375	Pulse	0.1000	3
Ti	47	159	He	594.667	ppb	6.3	4390.83	0.0249	Pulse	0.1000	3
V	51	72	He	473.137	ppb	1.3	188997.66	7.4365	Pulse	0.5000	3
Cr	52	45	He	484.215	ppb	1.5	263430.62	22.6203	Pulse	0.1000	3
Mn	55	45	He	578.836	ppb	3.5	117955.90	10.1319	Pulse	0.1000	3
Fe	57	72	He	6799.334	ppb	2.5	76636.60	3.0158	Pulse	0.1000	3
Co	59	72	He	450.350	ppb	1.5	586098.10	23.0619	Pulse	0.1000	3
Ni	60	72	He	477.913	ppb	1.7	177538.76	6.9858	Pulse	0.1000	3
Cu	63	72	He	500.700	ppb	1.8	551014.57	21.6823	Pulse	0.1000	3
Zn	66	72	He	630.095	ppb	2.6	62152.65	2.4456	Pulse	0.1000	3
As	75	45	He	494.925	ppb	1.6	29040.95	2.4937	Pulse	0.5000	3
Sr	88	159	He	261.435	ppb	1.4	63219.13	0.3590	Pulse	0.1000	3
Mo	98	159	He	49.301	ppb	1.6	45480.28	0.2583	Pulse	0.1000	3
Ag	107	159	He	49.381	ppb	1.9	108319.70	0.6152	Pulse	0.1000	3
Cd	111	159	He	49.495	ppb	1.5	10414.71	0.0592	Pulse	0.5000	3
Sn	120	159	He	99.179	ppb	0.7	57825.40	0.3284	Pulse	0.1000	3
Sb	121	159	He	97.737	ppb	2.0	44367.28	0.2520	Pulse	0.1000	3
Ba	137	159	He	613.183	ppb	1.1	96901.08	0.5503	Pulse	0.1000	3
Tl	205	159	He	98.231	ppb	1.6	547617.71	3.1102	Pulse	0.1000	3
Pb	208	159	He	58.015	ppb	2.2	225391.32	1.2801	Pulse	0.1000	3
U	238	209	He	49.437	ppb	1.5	446370.56	3.2856	Pulse	0.1000	3

ISTD Table:

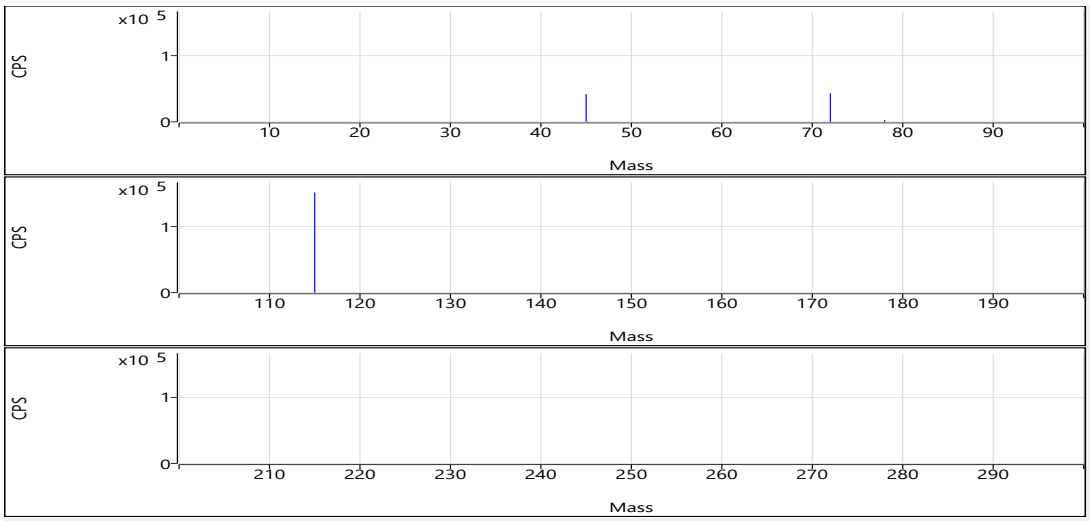
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1065974.36	1.1	102.0	Analog	0.1000	3
No Gas	Ge	72	608439.35	1.0	101.2	Pulse	0.1000	3
H2	Sc	45	41689.05	1.9	98.6	Pulse	0.1000	3
H2	Ge	72	43054.41	0.5	98.1	Pulse	0.1000	3
H2	In	115	150927.14	2.0	100.2	Pulse	0.1000	3
He	Sc	45	11648.50	2.5	102.0	Pulse	0.1000	3
He	Ge	72	25417.29	1.4	100.3	Pulse	0.1000	3
He	In	115	27214.81	0.5	99.7	Pulse	0.1000	3
He	Tb	159	176079.96	0.8	99.8	Pulse	0.1000	3
He	Bi	209	135882.05	2.4	100.8	Pulse	0.1000	3

No Gas

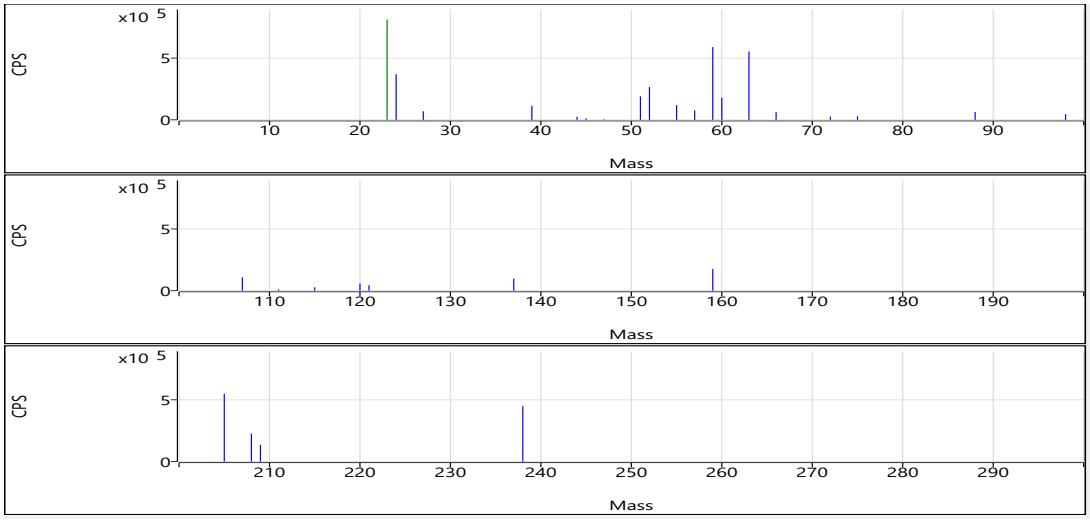


H2



Quantitation Report

He



Quantitation Report

Data File Name	137SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:39:51 PM
Sample Name	410-235925-I-5-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

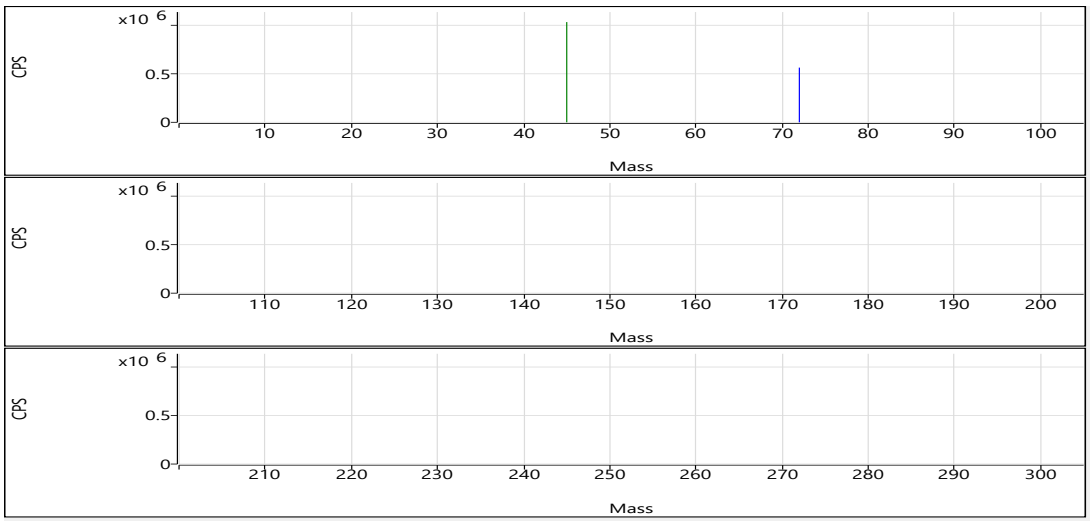
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.064	ug/L	22.5	59.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	9.424	ppb	4.8	233.34	0.0057	Pulse	1.5000	3
Na	23	72	He	1040971.315	ug/L	1.6	43335894.35	1,889.4016	Analog	0.1000	3
Mg	24	72	He	139831.833	ug/L	2.0	2985965.79	130.1901	Analog	0.1000	3
Al	27	72	He	397.048	ug/L	6.3	2360.29	0.1029	Pulse	0.1000	3
K	39	72	He	178590.520	ppb	2.0	2163316.16	94.3196	Analog	0.1000	3
Ca	44	72	He	180181.802	ppb	2.9	144021.76	6.2795	Pulse	0.1000	3
Ti	47	159	He	22.008	ppb	8.9	163.34	0.0010	Pulse	0.1000	3
V	51	72	He	1.202	ppb	11.8	538.68	0.0235	Pulse	0.5000	3
Cr	52	45	He	5.500	ppb	4.4	3260.49	0.3007	Pulse	0.1000	3
Mn	55	45	He	6708.180	ppb	0.8	1273112.43	117.3713	Analog	0.1000	3
Fe	57	72	He	1039.013	ppb	4.9	10637.72	0.4639	Pulse	0.1000	3
Co	59	72	He	22.726	ppb	2.9	26783.01	1.1679	Pulse	0.1000	3
Ni	60	72	He	166.022	ppb	3.3	55748.30	2.4307	Pulse	0.1000	3
Cu	63	72	He	29.089	ppb	3.7	29000.92	1.2646	Pulse	0.1000	3
Zn	66	72	He	19.817	ppb	7.4	1806.85	0.0788	Pulse	0.1000	3
As	75	45	He	3.696	ppb	4.1	212.00	0.0195	Pulse	0.5000	3
Sr	88	159	He	689.579	ppb	1.9	160666.68	0.9437	Pulse	0.1000	3
Mo	98	159	He	0.391	ppb	15.4	406.69	0.0024	Pulse	0.1000	3
Ag	107	159	He	0.070	ppb	44.7	176.67	0.0010	Pulse	0.1000	3
Cd	111	159	He	0.177	ppb	30.6	39.33	0.0002	Pulse	0.5000	3
Sn	120	159	He	-0.333	ppb	N/A	1630.17	0.0096	Pulse	0.1000	3
Sb	121	159	He	0.442	ppb	22.2	206.68	0.0012	Pulse	0.1000	3
Ba	137	159	He	106.304	ppb	1.4	16924.66	0.0994	Pulse	0.1000	3
Tl	205	159	He	0.459	ppb	2.3	2707.06	0.0159	Pulse	0.1000	3
Pb	208	159	He	1.453	ppb	1.9	5611.47	0.0330	Pulse	0.1000	3
U	238	209	He	7.965	ppb	0.8	63923.61	0.5304	Pulse	0.1000	3

ISTD Table:

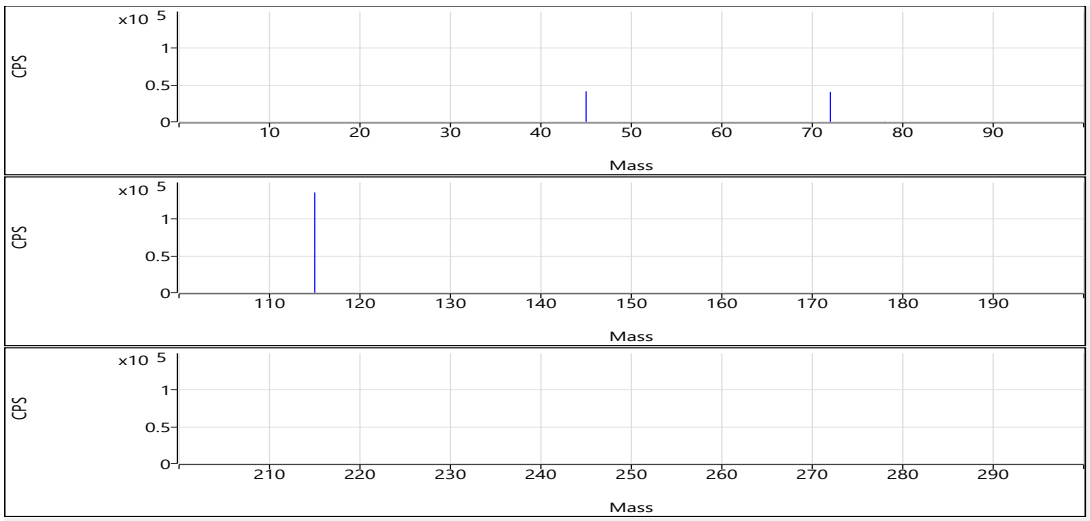
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1037087.93	0.5	99.2	Analog	0.1000	3
No Gas	Ge	72	565771.78	0.3	94.1	Pulse	0.1000	3
H2	Sc	45	41458.36	2.6	98.1	Pulse	0.1000	3
H2	Ge	72	40627.13	1.4	92.6	Pulse	0.1000	3
H2	In	115	136175.27	1.3	90.4	Pulse	0.1000	3
He	Sc	45	10847.84	2.1	95.0	Pulse	0.1000	3
He	Ge	72	22939.71	1.6	90.6	Pulse	0.1000	3
He	In	115	24917.09	1.4	91.3	Pulse	0.1000	3
He	Tb	159	170251.66	0.8	96.5	Pulse	0.1000	3
He	Bi	209	120516.64	0.4	89.4	Pulse	0.1000	3

No Gas

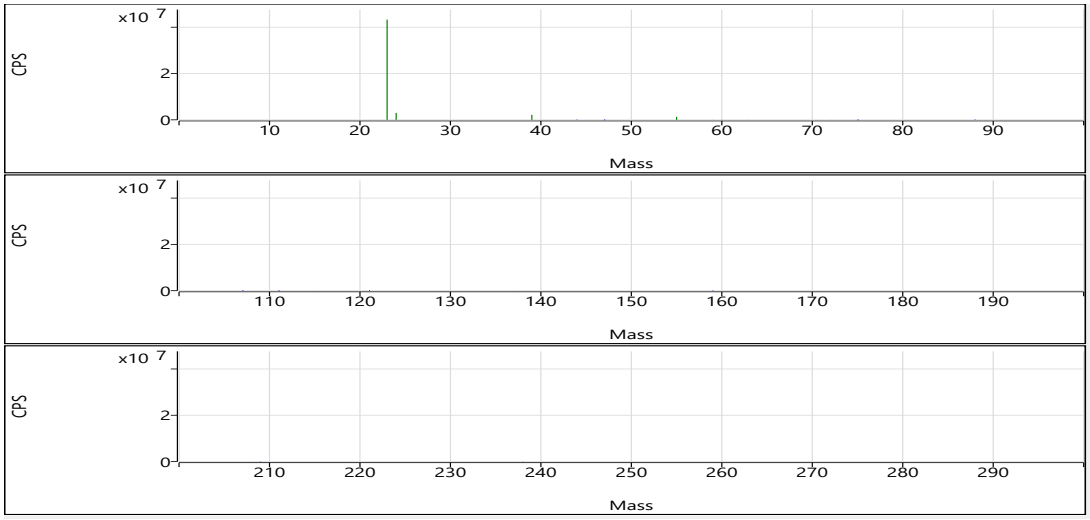


H2



Quantitation Report

He



Quantitation Report

Data File Name	137SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:42:17 PM
Sample Name	410-235925-I-5-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	10.0000
Total Dilution	10.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

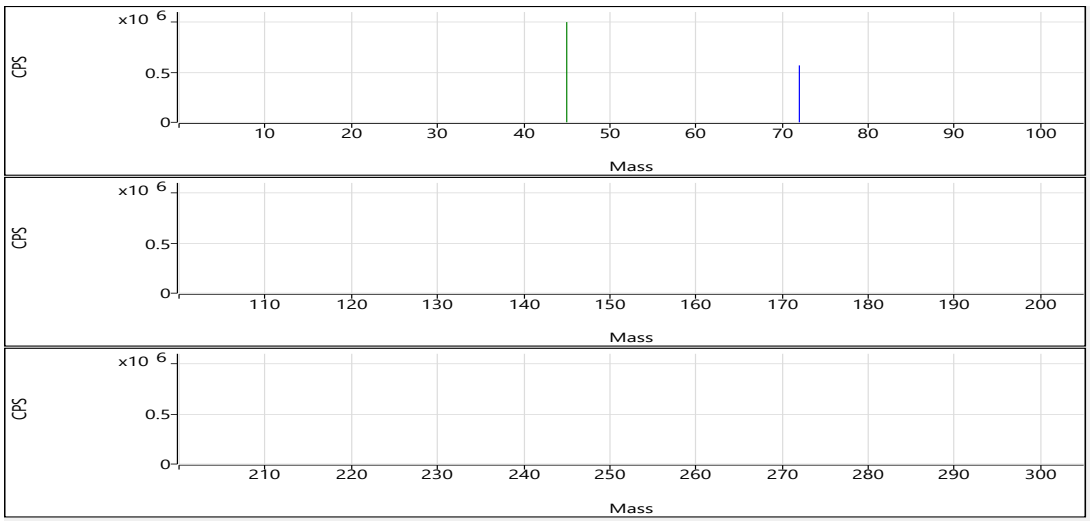
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.285	ug/L	32.1	39.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	9.045	ppb	18.0	24.89	0.0006	Pulse	1.5000	3
Na	23	72	He	1034108.301	ug/L	0.9	4513075.04	187.8956	Analog	0.1000	3
Mg	24	72	He	139131.027	ug/L	0.2	311299.25	12.9594	Pulse	0.1000	3
Al	27	72	He	500.941	ug/L	17.7	350.02	0.0146	Pulse	0.1000	3
K	39	72	He	177250.327	ppb	0.7	226585.16	9.4331	Pulse	0.1000	3
Ca	44	72	He	174136.627	ppb	0.4	14598.01	0.6077	Pulse	0.1000	3
Ti	47	159	He	22.671	ppb	150.3	23.33	0.0001	Pulse	0.1000	3
V	51	72	He	1.750	ppb	19.4	176.67	0.0074	Pulse	0.5000	3
Cr	52	45	He	3.566	ppb	34.0	666.71	0.0609	Pulse	0.1000	3
Mn	55	45	He	6706.608	ppb	7.2	128390.27	11.7385	Pulse	0.1000	3
Fe	57	72	He	1104.382	ppb	9.1	1260.10	0.0525	Pulse	0.1000	3
Co	59	72	He	22.961	ppb	5.0	2927.08	0.1219	Pulse	0.1000	3
Ni	60	72	He	169.160	ppb	4.6	6078.21	0.2531	Pulse	0.1000	3
Cu	63	72	He	30.593	ppb	8.1	3310.51	0.1377	Pulse	0.1000	3
Zn	66	72	He	18.187	ppb	5.5	216.68	0.0090	Pulse	0.1000	3
As	75	45	He	3.126	ppb	6.6	27.33	0.0025	Pulse	0.5000	3
Sr	88	159	He	690.735	ppb	2.1	16917.63	0.0963	Pulse	0.1000	3
Mo	98	159	He	0.438	ppb	86.4	100.01	0.0006	Pulse	0.1000	3
Ag	107	159	He	0.183	ppb	50.6	70.00	0.0004	Pulse	0.1000	3
Cd	111	159	He	0.350	ppb	15.2	10.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	-6.361	ppb	N/A	1510.15	0.0086	Pulse	0.1000	3
Sb	121	159	He	2.286	ppb	43.6	116.67	0.0007	Pulse	0.1000	3
Ba	137	159	He	99.069	ppb	15.0	2396.97	0.0137	Pulse	0.1000	3
Tl	205	159	He	0.410	ppb	15.0	470.03	0.0027	Pulse	0.1000	3
Pb	208	159	He	1.509	ppb	19.1	746.72	0.0043	Pulse	0.1000	3
U	238	209	He	7.652	ppb	1.9	6905.52	0.0521	Pulse	0.1000	3

ISTD Table:

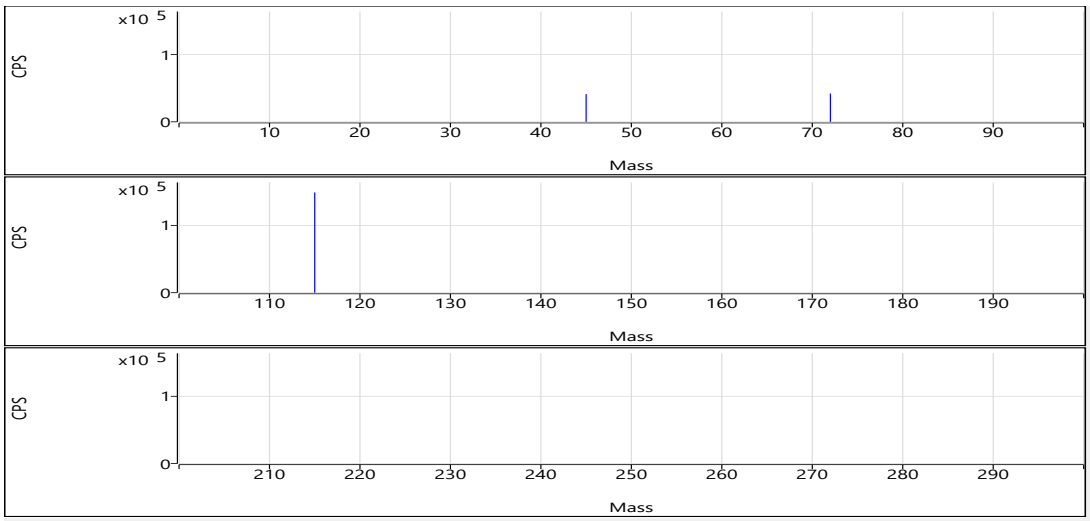
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1003780.12	1.2	96.0	Analog	0.1000	3
No Gas	Ge	72	569912.21	0.5	94.8	Pulse	0.1000	3
H2	Sc	45	41067.46	1.9	97.2	Pulse	0.1000	3
H2	Ge	72	41854.04	3.3	95.4	Pulse	0.1000	3
H2	In	115	148483.23	0.7	98.5	Pulse	0.1000	3
He	Sc	45	10977.97	7.9	96.1	Pulse	0.1000	3
He	Ge	72	24021.49	1.7	94.8	Pulse	0.1000	3
He	In	115	26780.64	1.0	98.1	Pulse	0.1000	3
He	Tb	159	175597.77	0.5	99.6	Pulse	0.1000	3
He	Bi	209	132528.61	1.2	98.3	Pulse	0.1000	3

No Gas

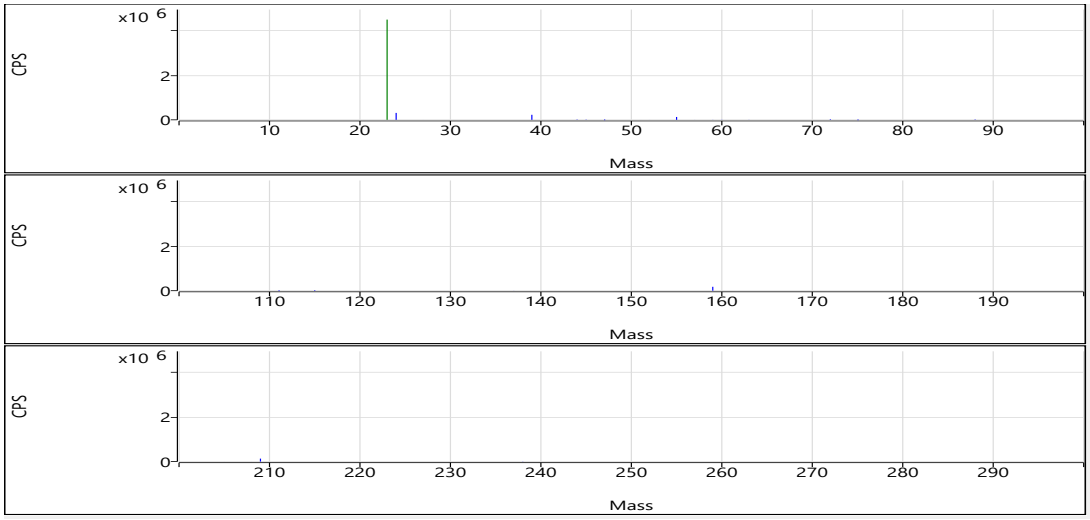


H2



Quantitation Report

He



Quantitation Report

Data File Name	138SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:44:09 PM
Sample Name	410-235925-I-7-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

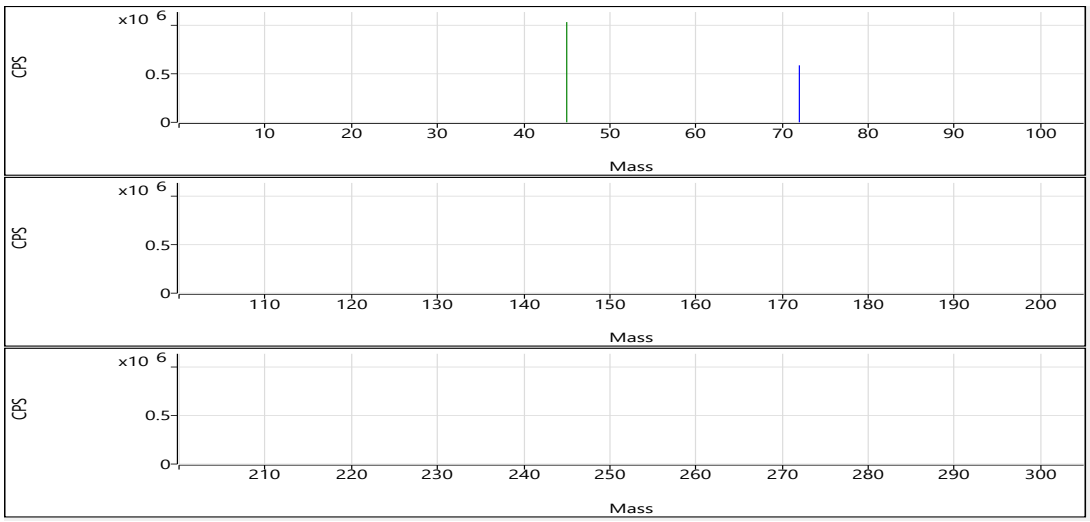
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.006	ug/L	N/A	22.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.233	ppb	37.2	8.00	0.0002	Pulse	1.5000	3
Na	23	72	He	48854.471	ug/L	3.4	2138202.78	88.8855	Analog	0.1000	3
Mg	24	72	He	205457.520	ug/L	3.5	4601465.56	191.2877	Analog	0.1000	3
Al	27	72	He	28.922	ug/L	39.2	220.02	0.0092	Pulse	0.1000	3
K	39	72	He	15919.250	ppb	3.3	204002.99	8.4803	Pulse	0.1000	3
Ca	44	72	He	72558.276	ppb	4.2	60831.47	2.5293	Pulse	0.1000	3
Ti	47	159	He	0.950	ppb	88.9	13.33	0.0001	Pulse	0.1000	3
V	51	72	He	0.231	ppb	24.7	198.00	0.0082	Pulse	0.5000	3
Cr	52	45	He	0.553	ppb	20.0	770.05	0.0701	Pulse	0.1000	3
Mn	55	45	He	478.498	ppb	1.1	92010.93	8.3764	Pulse	0.1000	3
Fe	57	72	He	469.841	ppb	6.5	5091.09	0.2117	Pulse	0.1000	3
Co	59	72	He	1.169	ppb	7.4	1546.82	0.0642	Pulse	0.1000	3
Ni	60	72	He	130.871	ppb	2.9	46130.29	1.9174	Pulse	0.1000	3
Cu	63	72	He	1.914	ppb	10.3	2116.91	0.0881	Pulse	0.1000	3
Zn	66	72	He	3.659	ppb	24.6	390.02	0.0162	Pulse	0.1000	3
As	75	45	He	1.756	ppb	17.7	107.33	0.0098	Pulse	0.5000	3
Sr	88	159	He	178.074	ppb	2.2	42393.05	0.2452	Pulse	0.1000	3
Mo	98	159	He	0.263	ppb	10.3	296.68	0.0017	Pulse	0.1000	3
Ag	107	159	He	0.000	ppb	1941.5	30.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.026	ppb	44.8	8.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.143	ppb	N/A	1760.18	0.0102	Pulse	0.1000	3
Sb	121	159	He	0.082	ppb	69.4	50.00	0.0003	Pulse	0.1000	3
Ba	137	159	He	124.615	ppb	2.1	20005.57	0.1157	Pulse	0.1000	3
Tl	205	159	He	-0.005	ppb	N/A	213.35	0.0012	Pulse	0.1000	3
Pb	208	159	He	0.067	ppb	36.6	413.36	0.0024	Pulse	0.1000	3
U	238	209	He	0.365	ppb	5.0	3280.59	0.0255	Pulse	0.1000	3

ISTD Table:

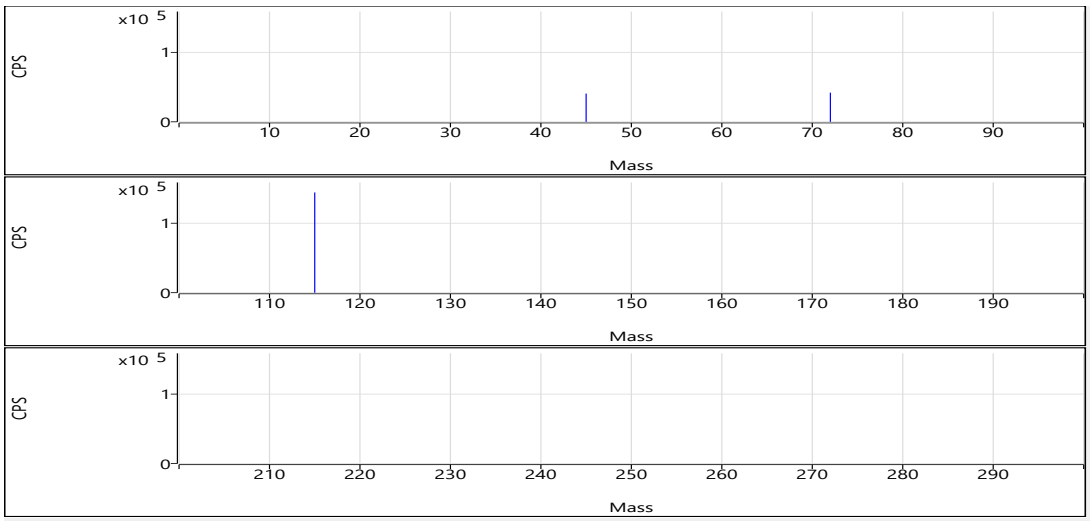
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1032066.11	0.4	98.7	Analog	0.1000	3
No Gas	Ge	72	586622.16	0.6	97.6	Pulse	0.1000	3
H2	Sc	45	40331.79	0.9	95.4	Pulse	0.1000	3
H2	Ge	72	41676.87	2.0	95.0	Pulse	0.1000	3
H2	In	115	143207.45	0.4	95.0	Pulse	0.1000	3
He	Sc	45	10984.67	0.9	96.2	Pulse	0.1000	3
He	Ge	72	24074.94	3.6	95.0	Pulse	0.1000	3
He	In	115	26049.22	2.6	95.4	Pulse	0.1000	3
He	Tb	159	172940.60	2.1	98.0	Pulse	0.1000	3
He	Bi	209	128671.76	0.9	95.4	Pulse	0.1000	3

No Gas

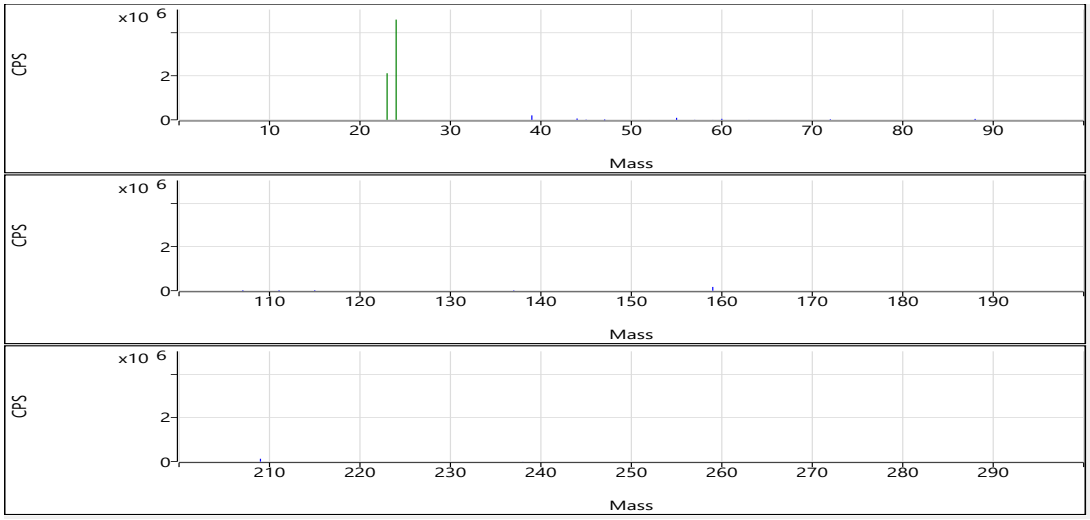


H2



Quantitation Report

He



Quantitation Report

Data File Name	138SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:46:35 PM
Sample Name	410-235925-I-7-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

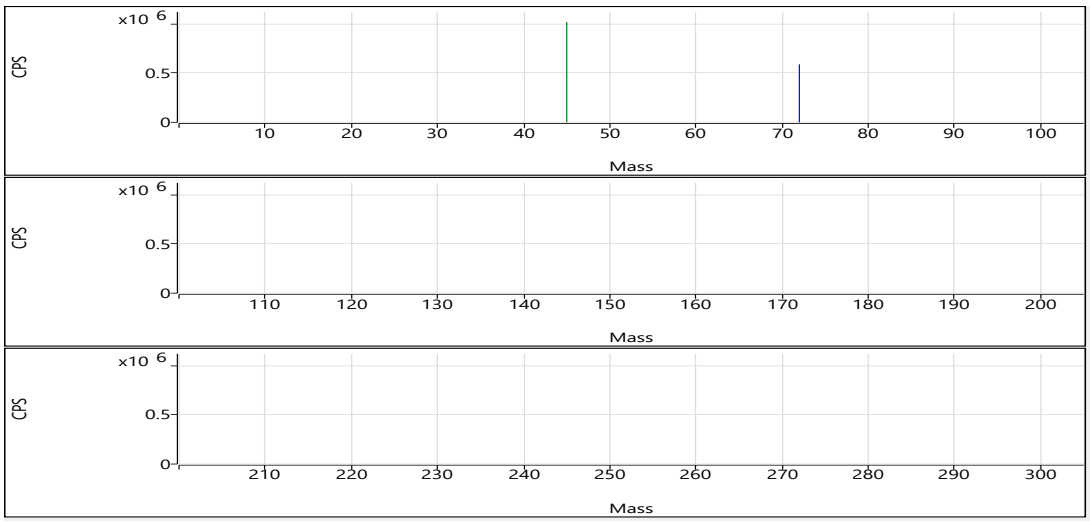
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.039	ug/L	N/A	21.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.028	ppb	N/A	2.00	0.0000	Pulse	1.5000	3
Na	23	72	He	48822.489	ug/L	3.7	441384.04	17.9442	Pulse	0.1000	3
Mg	24	72	He	213466.540	ug/L	3.9	977758.24	39.7539	Analog	0.1000	3
Al	27	72	He	62.450	ug/L	22.7	123.34	0.0050	Pulse	0.1000	3
K	39	72	He	15770.577	ppb	3.2	42912.41	1.7443	Pulse	0.1000	3
Ca	44	72	He	74588.527	ppb	7.1	12796.25	0.5207	Pulse	0.1000	3
Ti	47	159	He	4.608	ppb	171.5	13.33	0.0001	Pulse	0.1000	3
V	51	72	He	0.426	ppb	70.9	146.00	0.0059	Pulse	0.5000	3
Cr	52	45	He	0.412	ppb	271.2	526.69	0.0481	Pulse	0.1000	3
Mn	55	45	He	500.317	ppb	3.4	19233.81	1.7553	Pulse	0.1000	3
Fe	57	72	He	446.613	ppb	6.9	1063.42	0.0431	Pulse	0.1000	3
Co	59	72	He	1.415	ppb	24.1	463.36	0.0188	Pulse	0.1000	3
Ni	60	72	He	137.263	ppb	0.7	10020.58	0.4070	Pulse	0.1000	3
Cu	63	72	He	2.267	ppb	5.4	613.37	0.0249	Pulse	0.1000	3
Zn	66	72	He	3.561	ppb	19.7	116.67	0.0047	Pulse	0.1000	3
As	75	45	He	1.623	ppb	12.1	28.00	0.0026	Pulse	0.5000	3
Sr	88	159	He	179.840	ppb	3.1	8906.55	0.0511	Pulse	0.1000	3
Mo	98	159	He	0.369	ppb	43.9	126.67	0.0007	Pulse	0.1000	3
Ag	107	159	He	0.024	ppb	168.6	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.031	ppb	N/A	2.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-2.790	ppb	N/A	1540.15	0.0089	Pulse	0.1000	3
Sb	121	159	He	0.893	ppb	6.3	93.34	0.0005	Pulse	0.1000	3
Ba	137	159	He	123.005	ppb	3.8	4654.32	0.0267	Pulse	0.1000	3
Tl	205	159	He	-0.009	ppb	N/A	230.01	0.0013	Pulse	0.1000	3
Pb	208	159	He	0.207	ppb	42.5	320.02	0.0018	Pulse	0.1000	3
U	238	209	He	0.404	ppb	8.3	896.74	0.0066	Pulse	0.1000	3

ISTD Table:

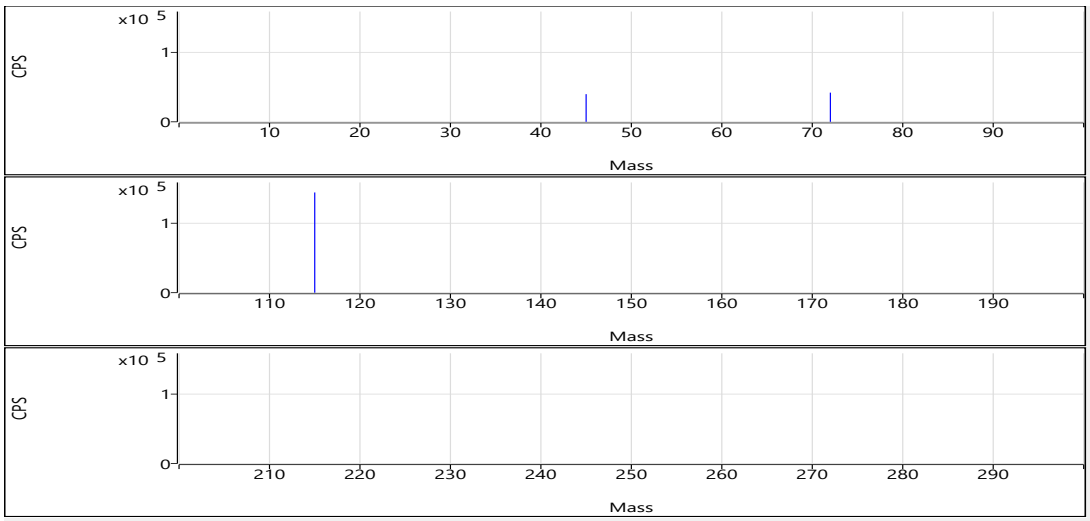
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1018741.24	0.6	97.5	Analog	0.1000	3
No Gas	Ge	72	588879.02	0.7	97.9	Pulse	0.1000	3
H2	Sc	45	40124.43	0.7	94.9	Pulse	0.1000	3
H2	Ge	72	42332.25	1.1	96.5	Pulse	0.1000	3
H2	In	115	145423.48	0.3	96.5	Pulse	0.1000	3
He	Sc	45	10961.27	2.6	96.0	Pulse	0.1000	3
He	Ge	72	24622.50	4.2	97.2	Pulse	0.1000	3
He	In	115	26393.07	1.6	96.7	Pulse	0.1000	3
He	Tb	159	174132.07	0.8	98.7	Pulse	0.1000	3
He	Bi	209	135316.68	1.6	100.3	Pulse	0.1000	3

No Gas

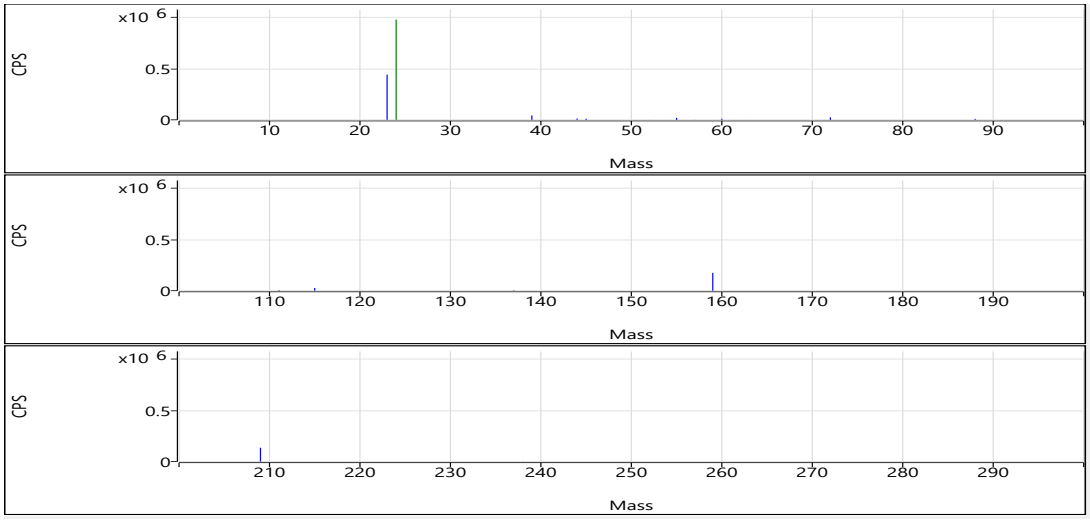


H2



Quantitation Report

He



Quantitation Report

Data File Name	139SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:48:28 PM
Sample Name	410-235858-K-5-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

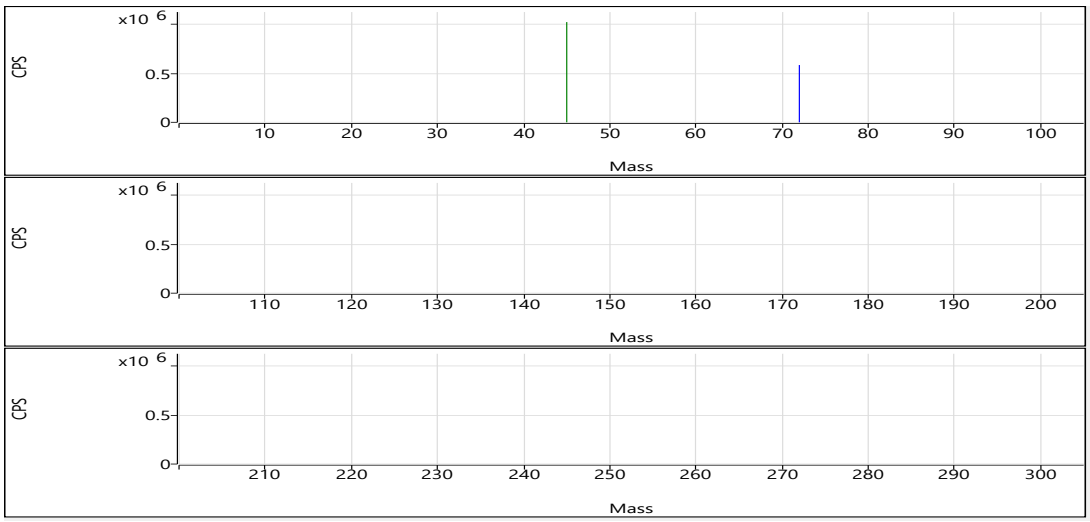
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.003	ug/L	N/A	24.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.345	ppb	21.3	10.67	0.0003	Pulse	1.5000	3
Na	23	72	He	23018.112	ug/L	2.0	1033825.22	41.9971	Analog	0.1000	3
Mg	24	72	He	104345.260	ug/L	2.1	2391527.00	97.1520	Analog	0.1000	3
Al	27	72	He	3.393	ug/L	26.7	66.67	0.0027	Pulse	0.1000	3
K	39	72	He	33279.282	ppb	2.4	434258.11	17.6409	Pulse	0.1000	3
Ca	44	72	He	499007.143	ppb	2.6	428040.68	17.3893	Pulse	0.1000	3
Ti	47	159	He	-0.903	ppb	0.0	0.00	0.0000	Pulse	0.1000	3
V	51	72	He	0.100	ppb	25.7	152.00	0.0062	Pulse	0.5000	3
Cr	52	45	He	-0.214	ppb	N/A	383.35	0.0343	Pulse	0.1000	3
Mn	55	45	He	4329.292	ppb	3.1	847033.63	75.7501	Pulse	0.1000	3
Fe	57	72	He	1954.767	ppb	5.4	21400.25	0.8696	Pulse	0.1000	3
Co	59	72	He	0.723	ppb	14.6	1016.75	0.0413	Pulse	0.1000	3
Ni	60	72	He	0.114	ppb	109.7	190.01	0.0077	Pulse	0.1000	3
Cu	63	72	He	0.175	ppb	19.8	316.68	0.0128	Pulse	0.1000	3
Zn	66	72	He	0.612	ppb	46.1	106.67	0.0043	Pulse	0.1000	3
As	75	45	He	0.171	ppb	30.9	20.00	0.0018	Pulse	0.5000	3
Sr	88	159	He	1163.212	ppb	1.8	274988.62	1.5905	Pulse	0.1000	3
Mo	98	159	He	0.027	ppb	182.9	83.34	0.0005	Pulse	0.1000	3
Ag	107	159	He	0.009	ppb	45.6	50.00	0.0003	Pulse	0.1000	3
Cd	111	159	He	-0.006	ppb	N/A	2.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.666	ppb	N/A	1470.15	0.0085	Pulse	0.1000	3
Sb	121	159	He	0.045	ppb	74.1	33.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	32.256	ppb	4.6	5798.14	0.0335	Pulse	0.1000	3
Tl	205	159	He	-0.013	ppb	N/A	170.01	0.0010	Pulse	0.1000	3
Pb	208	159	He	0.012	ppb	155.6	206.68	0.0012	Pulse	0.1000	3
U	238	209	He	0.005	ppb	161.8	210.01	0.0016	Pulse	0.1000	3

ISTD Table:

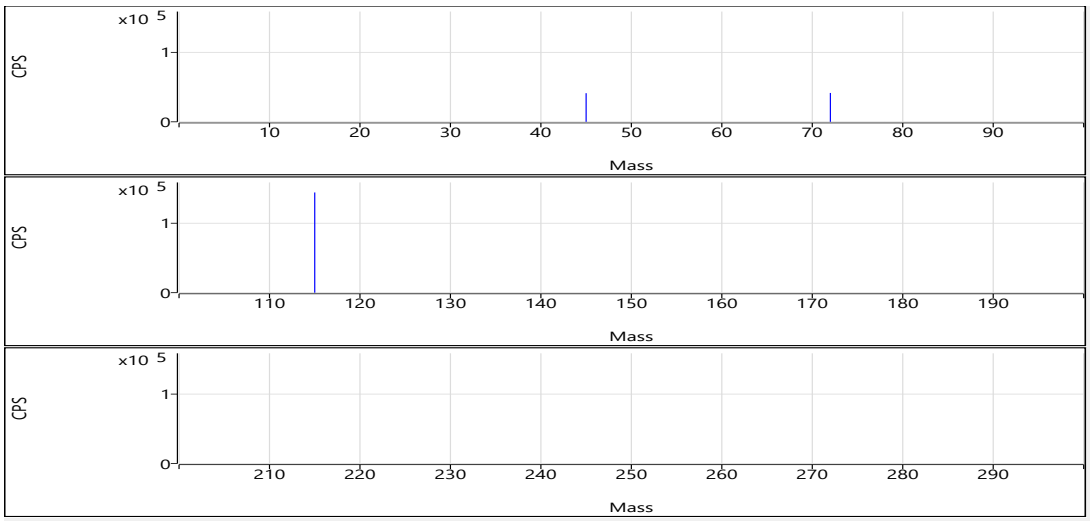
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1023443.39	0.5	97.9	Analog	0.1000	3
No Gas	Ge	72	584650.57	1.1	97.2	Pulse	0.1000	3
H2	Sc	45	40930.25	0.1	96.8	Pulse	0.1000	3
H2	Ge	72	41265.74	0.6	94.1	Pulse	0.1000	3
H2	In	115	143327.77	0.5	95.1	Pulse	0.1000	3
He	Sc	45	11191.49	4.1	98.0	Pulse	0.1000	3
He	Ge	72	24622.44	1.8	97.2	Pulse	0.1000	3
He	In	115	26236.31	2.4	96.1	Pulse	0.1000	3
He	Tb	159	172924.12	1.5	98.0	Pulse	0.1000	3
He	Bi	209	130010.07	2.3	96.4	Pulse	0.1000	3

No Gas

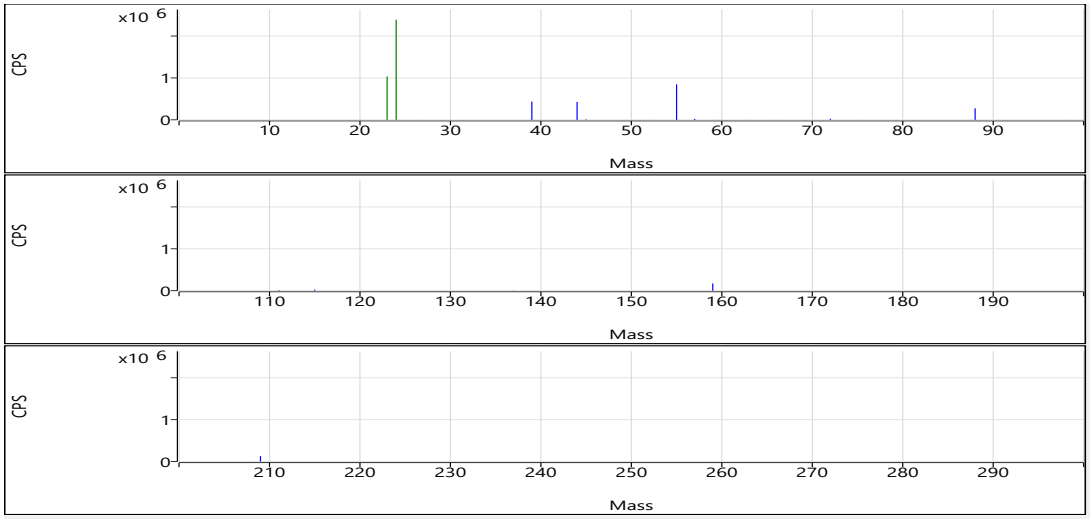


H2



Quantitation Report

He



Quantitation Report

Data File Name	139SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:50:53 PM
Sample Name	410-235858-K-5-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

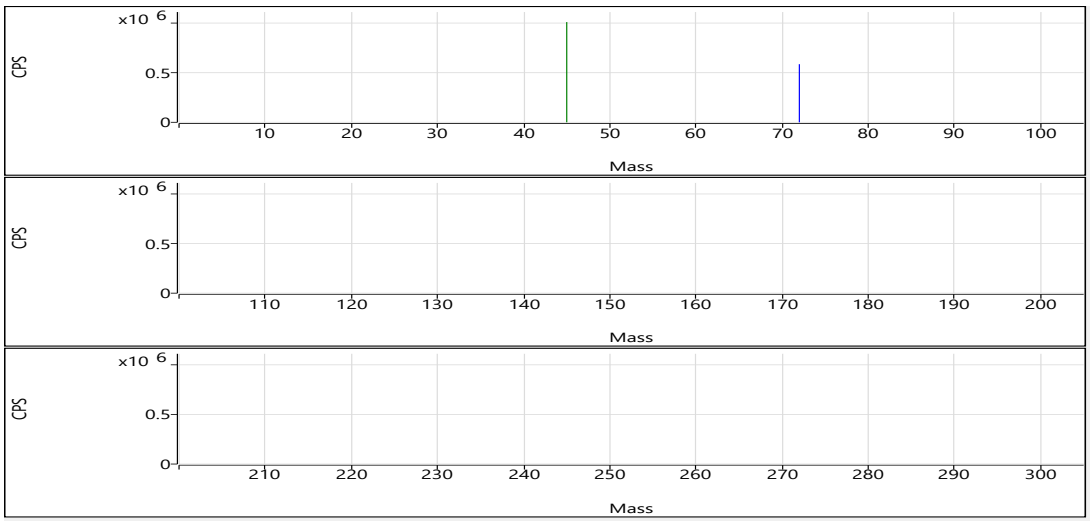
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.005	ug/L	N/A	24.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.200	ppb	N/A	1.11	0.0000	Pulse	1.5000	3
Na	23	72	He	23751.477	ug/L	1.5	213187.96	8.8443	Pulse	0.1000	3
Mg	24	72	He	109876.376	ug/L	0.6	493301.59	20.4653	Pulse	0.1000	3
Al	27	72	He	23.554	ug/L	121.1	73.33	0.0030	Pulse	0.1000	3
K	39	72	He	34464.607	ppb	1.5	89602.61	3.7172	Pulse	0.1000	3
Ca	44	72	He	513632.102	ppb	1.6	86310.11	3.5805	Pulse	0.1000	3
Ti	47	159	He	-2.245	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.584	ppb	47.1	155.33	0.0064	Pulse	0.5000	3
Cr	52	45	He	-0.647	ppb	N/A	436.69	0.0382	Pulse	0.1000	3
Mn	55	45	He	4421.100	ppb	2.9	175788.63	15.4749	Pulse	0.1000	3
Fe	57	72	He	2100.987	ppb	6.5	4574.24	0.1897	Pulse	0.1000	3
Co	59	72	He	0.953	ppb	16.8	340.02	0.0141	Pulse	0.1000	3
Ni	60	72	He	0.157	ppb	289.3	156.68	0.0065	Pulse	0.1000	3
Cu	63	72	He	0.368	ppb	34.7	203.34	0.0084	Pulse	0.1000	3
Zn	66	72	He	2.275	ppb	25.2	90.00	0.0037	Pulse	0.1000	3
As	75	45	He	0.070	ppb	332.1	11.33	0.0010	Pulse	0.5000	3
Sr	88	159	He	1183.075	ppb	0.8	57226.89	0.3251	Pulse	0.1000	3
Mo	98	159	He	-0.089	ppb	N/A	43.33	0.0002	Pulse	0.1000	3
Ag	107	159	He	0.046	ppb	100.2	50.00	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.016	ppb	6.3	4.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-3.950	ppb	N/A	1426.80	0.0081	Pulse	0.1000	3
Sb	121	159	He	0.333	ppb	77.9	43.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	27.904	ppb	17.1	1726.84	0.0098	Pulse	0.1000	3
Tl	205	159	He	-0.059	ppb	N/A	176.68	0.0010	Pulse	0.1000	3
Pb	208	159	He	0.087	ppb	54.2	230.01	0.0013	Pulse	0.1000	3
U	238	209	He	0.009	ppb	533.4	190.01	0.0014	Pulse	0.1000	3

ISTD Table:

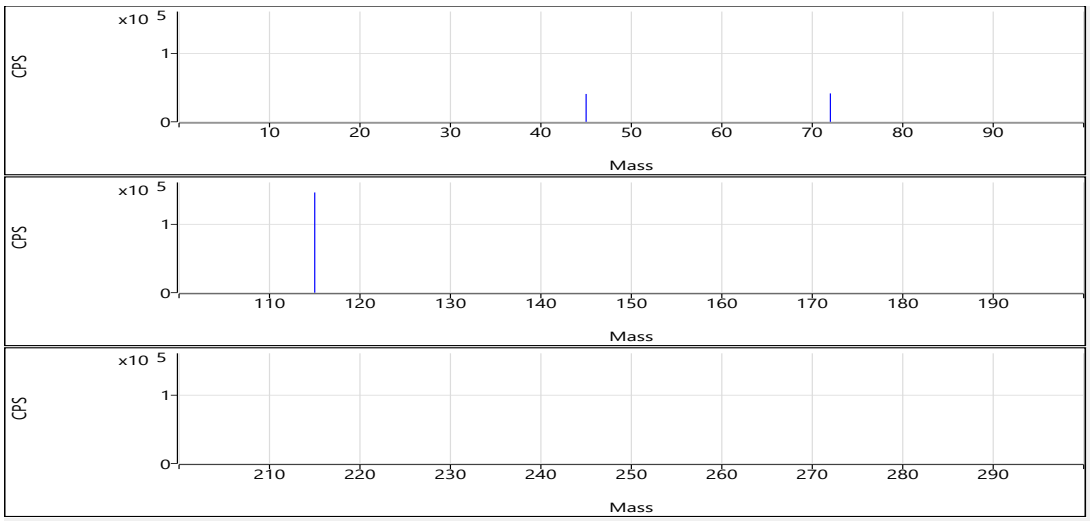
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1013163.53	0.3	96.9	Analog	0.1000	3
No Gas	Ge	72	587301.45	0.0	97.7	Pulse	0.1000	3
H2	Sc	45	40996.95	1.6	97.0	Pulse	0.1000	3
H2	Ge	72	41780.75	3.8	95.2	Pulse	0.1000	3
H2	In	115	147477.79	0.5	97.9	Pulse	0.1000	3
He	Sc	45	11368.26	4.0	99.5	Pulse	0.1000	3
He	Ge	72	24104.81	0.8	95.2	Pulse	0.1000	3
He	In	115	27224.87	0.4	99.7	Pulse	0.1000	3
He	Tb	159	176003.67	1.1	99.8	Pulse	0.1000	3
He	Bi	209	137384.28	1.2	101.9	Pulse	0.1000	3

No Gas

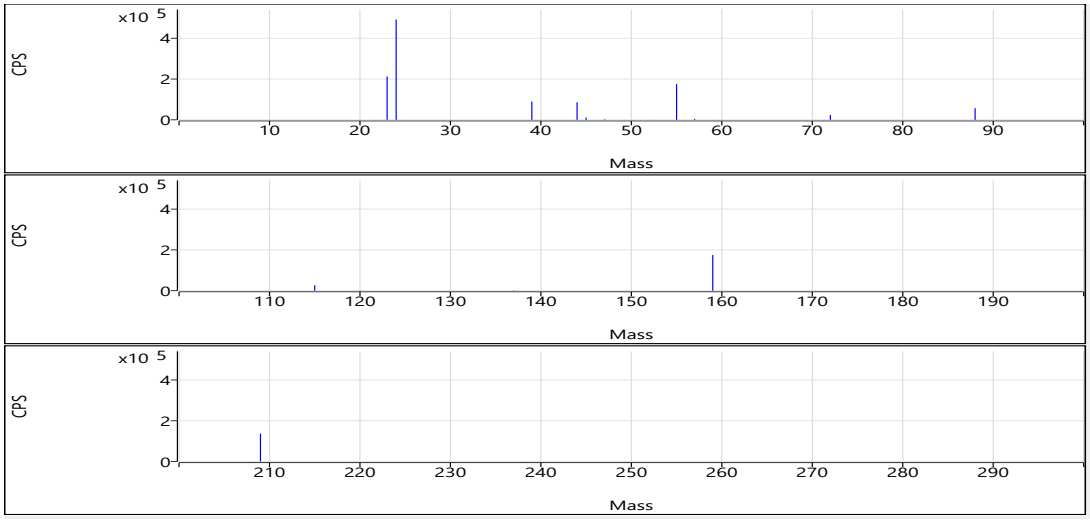


H2



Quantitation Report

He



Quantitation Report

Data File Name	141_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:54:48 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

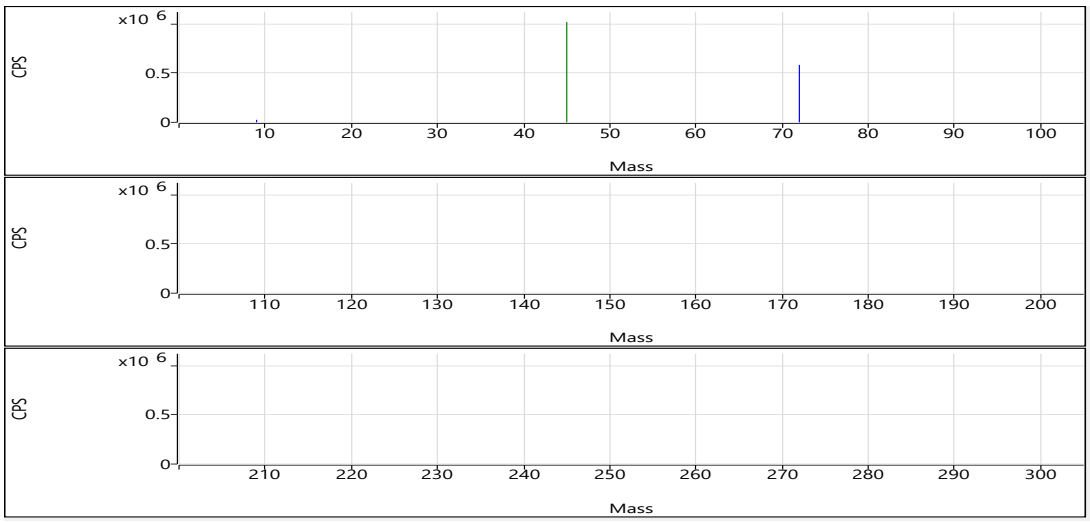
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.599	ug/L	1.4	25017.56	0.0245	Pulse	0.5000	3
Se	78	72	H2	49.928	ppb	2.7	1266.73	0.0302	Pulse	1.5000	3
Na	23	72	He	4996.151	ug/L	3.1	226422.63	9.2905	Pulse	0.1000	3
Mg	24	72	He	4910.736	ug/L	1.7	111592.39	4.5782	Pulse	0.1000	3
Al	27	72	He	4908.048	ug/L	4.5	30486.67	1.2508	Pulse	0.1000	3
K	39	72	He	4865.868	ppb	2.3	64530.94	2.6475	Pulse	0.1000	3
Ca	44	72	He	5046.853	ppb	8.4	4310.81	0.1768	Pulse	0.1000	3
Ti	47	159	He	4933.215	ppb	1.9	36705.37	0.2065	Pulse	0.1000	3
V	51	72	He	495.350	ppb	1.7	189768.50	7.7854	Pulse	0.5000	3
Cr	52	45	He	498.232	ppb	3.6	263477.70	23.2738	Pulse	0.1000	3
Mn	55	45	He	497.765	ppb	4.0	98631.96	8.7135	Pulse	0.1000	3
Fe	57	72	He	4872.985	ppb	1.9	52709.70	2.1624	Pulse	0.1000	3
Co	59	72	He	478.593	ppb	1.5	597382.61	24.5079	Pulse	0.1000	3
Ni	60	72	He	498.932	ppb	1.8	177761.61	7.2928	Pulse	0.1000	3
Cu	63	72	He	499.199	ppb	1.5	526922.49	21.6173	Pulse	0.1000	3
Zn	66	72	He	497.804	ppb	3.1	47097.30	1.9325	Pulse	0.1000	3
As	75	45	He	506.086	ppb	5.1	28855.92	2.5500	Pulse	0.5000	3
Sr	88	159	He	47.930	ppb	1.1	11992.36	0.0675	Pulse	0.1000	3
Mo	98	159	He	49.332	ppb	3.2	45934.71	0.2585	Pulse	0.1000	3
Ag	107	159	He	49.551	ppb	1.4	109717.25	0.6173	Pulse	0.1000	3
Cd	111	159	He	48.834	ppb	2.8	10371.35	0.0584	Pulse	0.5000	3
Sn	120	159	He	48.125	ppb	2.5	29292.61	0.1648	Pulse	0.1000	3
Sb	121	159	He	49.042	ppb	2.0	22476.13	0.1265	Pulse	0.1000	3
Ba	137	159	He	488.775	ppb	1.2	78143.27	0.4397	Pulse	0.1000	3
Tl	205	159	He	50.170	ppb	2.0	282417.20	1.5891	Pulse	0.1000	3
Pb	208	159	He	50.381	ppb	2.4	197573.47	1.1117	Pulse	0.1000	3
U	238	209	He	49.708	ppb	0.8	454767.08	3.3036	Pulse	0.1000	3

ISTD Table:

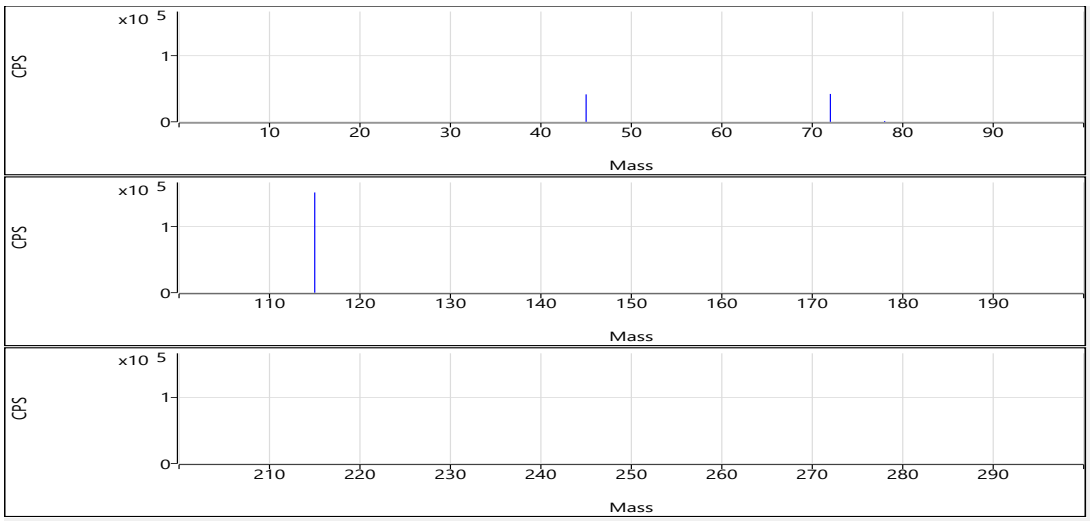
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1020932.93	0.7	97.7	Analog	0.1000	3
No Gas	Ge	72	584228.45	0.9	97.2	Pulse	0.1000	3
H2	Sc	45	41291.11	1.1	97.7	Pulse	0.1000	3
H2	Ge	72	41957.75	1.0	95.6	Pulse	0.1000	3
H2	In	115	150824.69	0.5	100.1	Pulse	0.1000	3
He	Sc	45	11331.63	4.0	99.2	Pulse	0.1000	3
He	Ge	72	24378.91	1.6	96.2	Pulse	0.1000	3
He	In	115	27057.83	1.1	99.1	Pulse	0.1000	3
He	Tb	159	177736.20	0.8	100.8	Pulse	0.1000	3
He	Bi	209	137644.46	2.4	102.1	Pulse	0.1000	3

No Gas

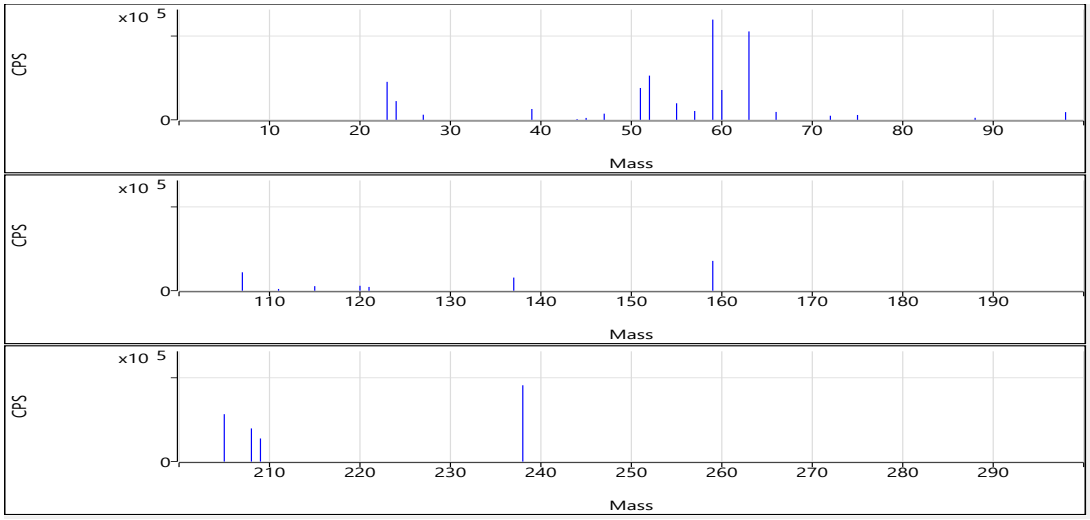


H2



Quantitation Report

He



Quantitation Report

Data File Name	143_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:58:49 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

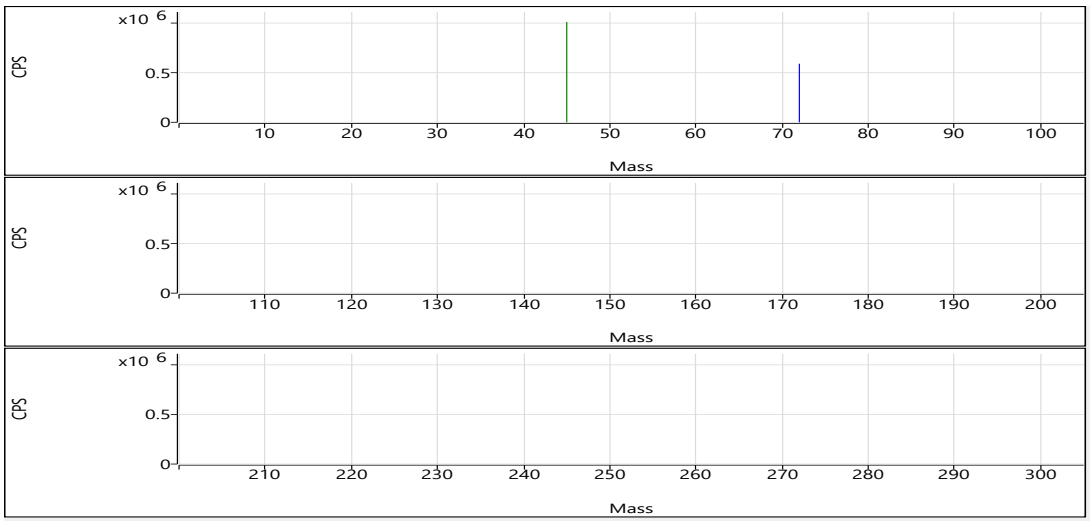
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.013	ug/L	N/A	18.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.040	ppb	N/A	1.11	0.0000	Pulse	1.5000	3
Na	23	72	He	11.654	ug/L	33.1	5924.78	0.2445	Pulse	0.1000	3
Mg	24	72	He	4.927	ug/L	80.6	263.35	0.0109	Pulse	0.1000	3
Al	27	72	He	-4.525	ug/L	N/A	16.67	0.0007	Pulse	0.1000	3
K	39	72	He	10.612	ppb	146.8	2070.22	0.0855	Pulse	0.1000	3
Ca	44	72	He	25.034	ppb	121.3	43.33	0.0018	Pulse	0.1000	3
Ti	47	159	He	0.470	ppb	1.6	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.050	ppb	77.7	130.67	0.0054	Pulse	0.5000	3
Cr	52	45	He	-0.090	ppb	N/A	426.69	0.0401	Pulse	0.1000	3
Mn	55	45	He	0.262	ppb	70.9	96.67	0.0091	Pulse	0.1000	3
Fe	57	72	He	3.812	ppb	88.4	126.67	0.0052	Pulse	0.1000	3
Co	59	72	He	-0.007	ppb	N/A	96.67	0.0040	Pulse	0.1000	3
Ni	60	72	He	0.141	ppb	52.2	196.68	0.0081	Pulse	0.1000	3
Cu	63	72	He	0.044	ppb	103.3	173.34	0.0072	Pulse	0.1000	3
Zn	66	72	He	-0.153	ppb	N/A	33.33	0.0014	Pulse	0.1000	3
As	75	45	He	-0.059	ppb	N/A	6.67	0.0006	Pulse	0.5000	3
Sr	88	159	He	-0.274	ppb	N/A	286.68	0.0016	Pulse	0.1000	3
Mo	98	159	He	0.001	ppb	1270.7	60.00	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.005	ppb	168.6	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.013	ppb	N/A	0.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.019	ppb	N/A	1840.19	0.0106	Pulse	0.1000	3
Sb	121	159	He	0.030	ppb	153.2	26.67	0.0002	Pulse	0.1000	3
Ba	137	159	He	-1.136	ppb	N/A	666.71	0.0038	Pulse	0.1000	3
Tl	205	159	He	-0.013	ppb	N/A	170.01	0.0010	Pulse	0.1000	3
Pb	208	159	He	0.008	ppb	69.4	190.01	0.0011	Pulse	0.1000	3
U	238	209	He	0.004	ppb	110.0	203.34	0.0015	Pulse	0.1000	3

ISTD Table:

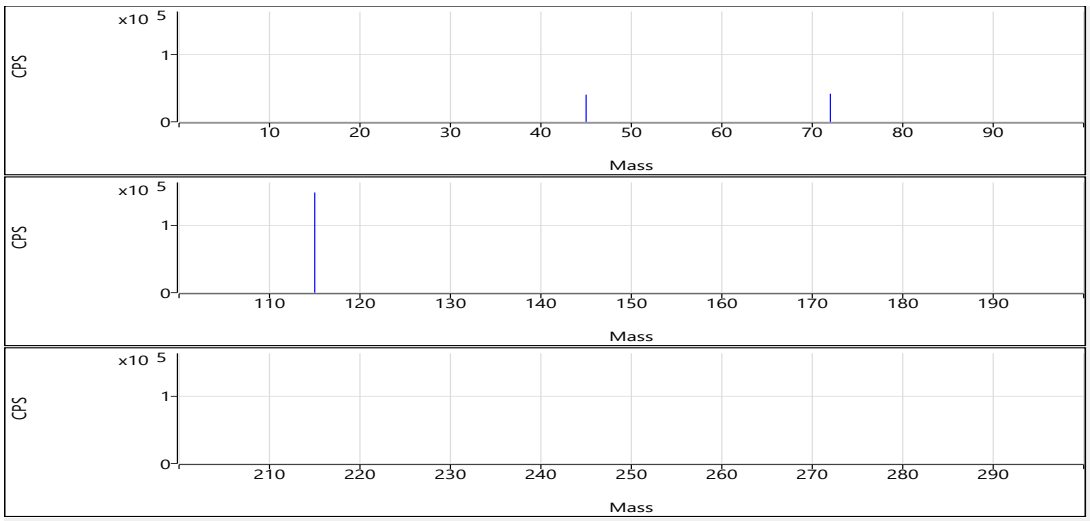
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1011179.67	0.8	96.7	Analog	0.1000	3
No Gas	Ge	72	590786.22	0.8	98.2	Pulse	0.1000	3
H2	Sc	45	40261.60	0.8	95.3	Pulse	0.1000	3
H2	Ge	72	41690.18	3.2	95.0	Pulse	0.1000	3
H2	In	115	148744.95	0.8	98.7	Pulse	0.1000	3
He	Sc	45	10631.02	4.4	93.1	Pulse	0.1000	3
He	Ge	72	24228.46	1.4	95.6	Pulse	0.1000	3
He	In	115	26616.94	1.5	97.5	Pulse	0.1000	3
He	Tb	159	173942.71	0.5	98.6	Pulse	0.1000	3
He	Bi	209	136168.34	2.2	101.0	Pulse	0.1000	3

No Gas

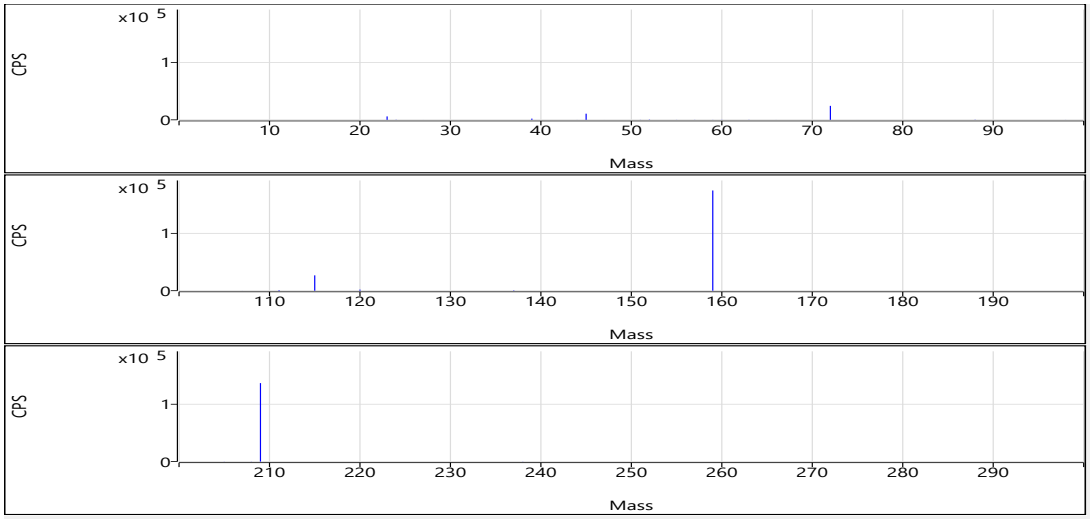


H2



Quantitation Report

He



Quantitation Report

Data File Name	144SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:00:49 PM
Sample Name	410-235858-L-1-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

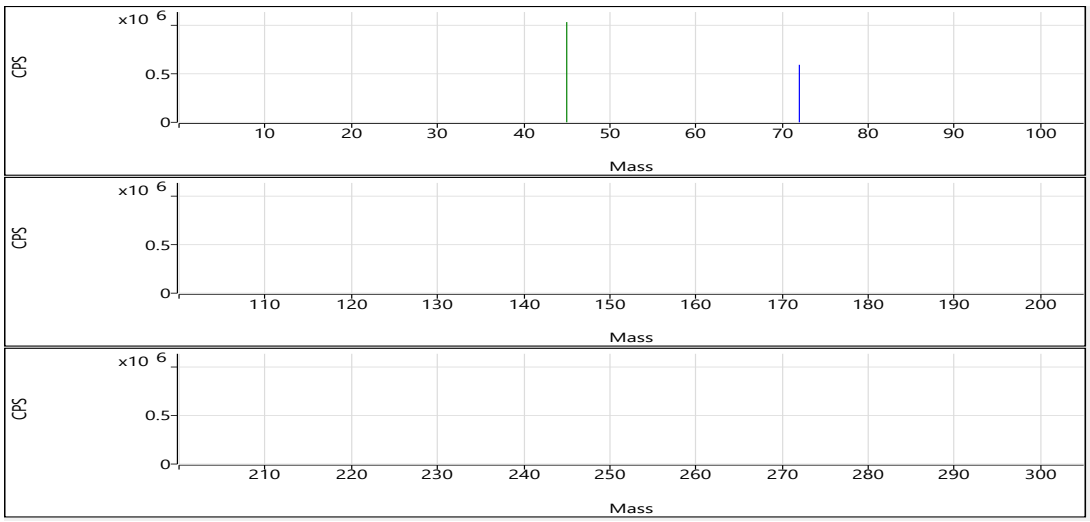
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.009	ug/L	N/A	20.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.040	ppb	N/A	1.11	0.0000	Pulse	1.5000	3
Na	23	72	He	18.418	ug/L	40.0	6351.63	0.2567	Pulse	0.1000	3
Mg	24	72	He	8.436	ug/L	49.5	350.02	0.0142	Pulse	0.1000	3
Al	27	72	He	0.115	ug/L	3093.2	46.67	0.0019	Pulse	0.1000	3
K	39	72	He	9.664	ppb	325.8	2106.90	0.0850	Pulse	0.1000	3
Ca	44	72	He	63.059	ppb	67.6	76.67	0.0031	Pulse	0.1000	3
Ti	47	159	He	-0.903	ppb	0.0	0.00	0.0000	Pulse	0.1000	3
V	51	72	He	0.100	ppb	33.9	152.67	0.0062	Pulse	0.5000	3
Cr	52	45	He	-0.052	ppb	N/A	473.36	0.0418	Pulse	0.1000	3
Mn	55	45	He	0.433	ppb	42.2	136.67	0.0121	Pulse	0.1000	3
Fe	57	72	He	5.624	ppb	71.2	150.01	0.0060	Pulse	0.1000	3
Co	59	72	He	0.002	ppb	1427.0	110.00	0.0044	Pulse	0.1000	3
Ni	60	72	He	0.176	ppb	103.8	213.34	0.0086	Pulse	0.1000	3
Cu	63	72	He	0.202	ppb	5.7	346.69	0.0140	Pulse	0.1000	3
Zn	66	72	He	0.535	ppb	40.1	100.00	0.0040	Pulse	0.1000	3
As	75	45	He	0.086	ppb	66.3	15.33	0.0014	Pulse	0.5000	3
Sr	88	159	He	-0.373	ppb	N/A	266.68	0.0015	Pulse	0.1000	3
Mo	98	159	He	-0.007	ppb	N/A	53.33	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.000	ppb	N/A	30.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.003	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.461	ppb	N/A	1616.83	0.0092	Pulse	0.1000	3
Sb	121	159	He	0.051	ppb	88.6	36.67	0.0002	Pulse	0.1000	3
Ba	137	159	He	-0.832	ppb	N/A	723.38	0.0041	Pulse	0.1000	3
Tl	205	159	He	-0.021	ppb	N/A	123.34	0.0007	Pulse	0.1000	3
Pb	208	159	He	0.020	ppb	20.5	240.01	0.0014	Pulse	0.1000	3
U	238	209	He	0.005	ppb	30.1	220.01	0.0016	Pulse	0.1000	3

ISTD Table:

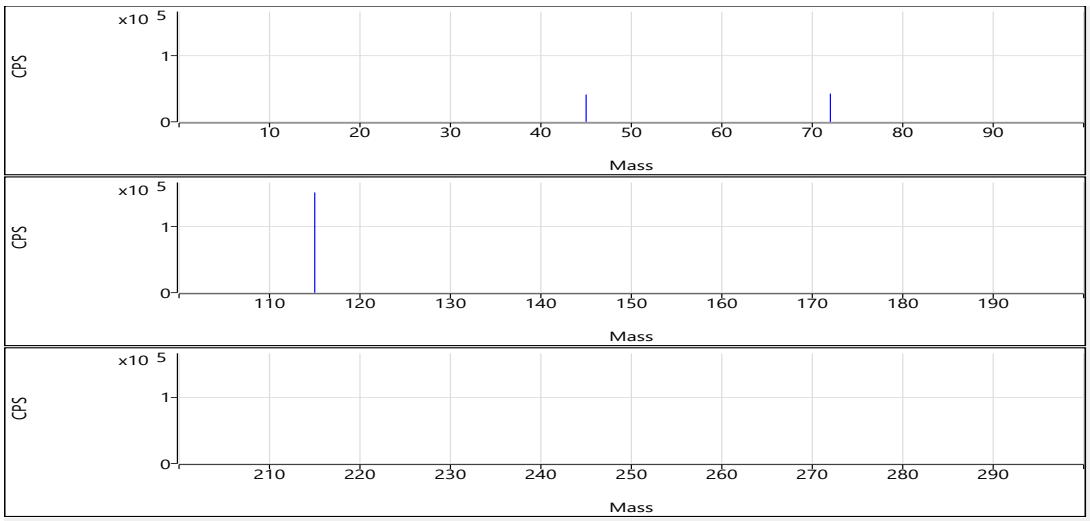
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1027737.72	0.7	98.3	Analog	0.1000	3
No Gas	Ge	72	589663.43	0.8	98.1	Pulse	0.1000	3
H2	Sc	45	41003.80	1.8	97.0	Pulse	0.1000	3
H2	Ge	72	42422.59	3.3	96.7	Pulse	0.1000	3
H2	In	115	150817.29	1.3	100.1	Pulse	0.1000	3
He	Sc	45	11341.56	4.5	99.3	Pulse	0.1000	3
He	Ge	72	24752.81	2.1	97.7	Pulse	0.1000	3
He	In	115	27358.67	2.0	100.2	Pulse	0.1000	3
He	Tb	159	176378.22	0.7	100.0	Pulse	0.1000	3
He	Bi	209	139733.45	2.0	103.6	Pulse	0.1000	3

No Gas

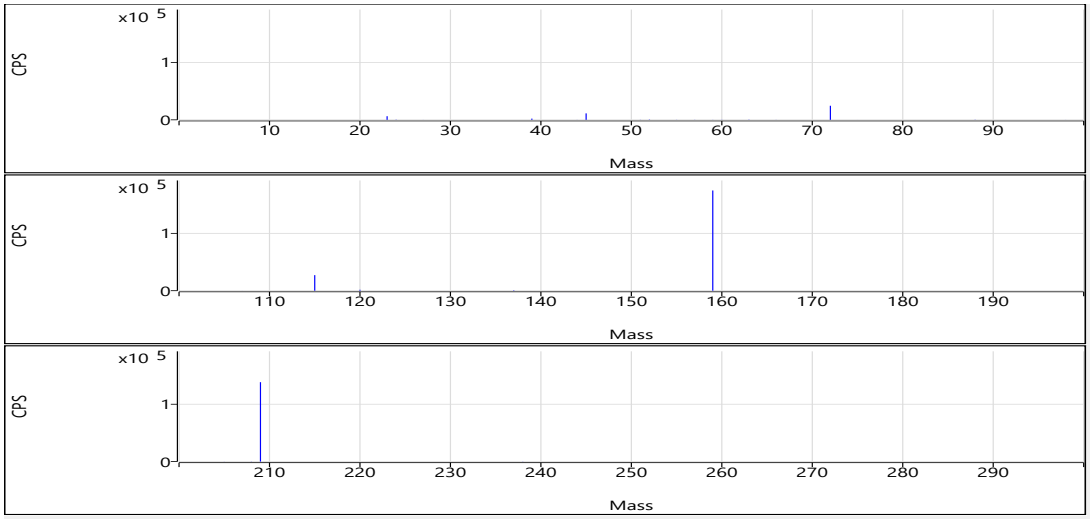


H2



Quantitation Report

He



Quantitation Report

Data File Name	145SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:02:49 PM
Sample Name	410-235858-K-7-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

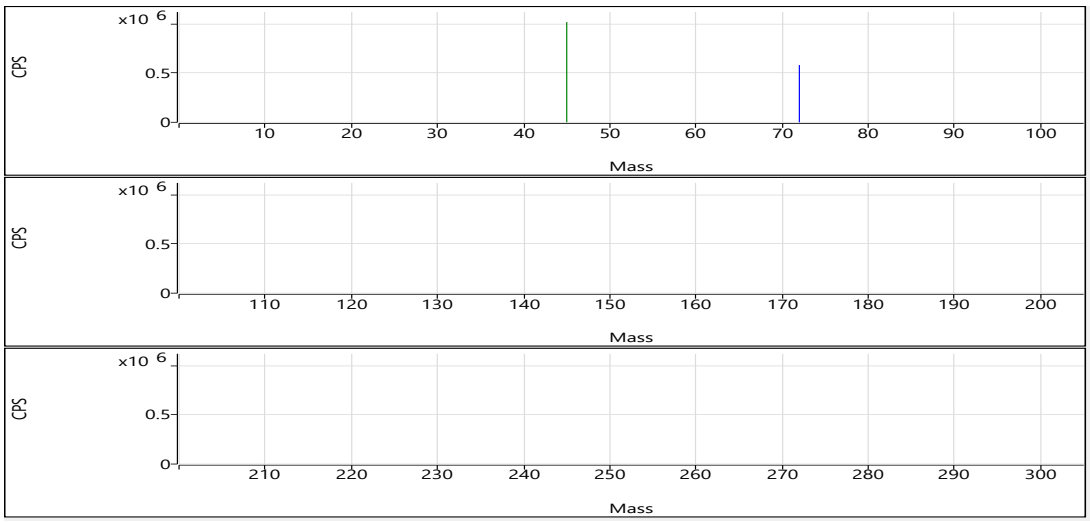
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.009	ug/L	N/A	20.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.210	ppb	25.9	7.33	0.0002	Pulse	1.5000	3
Na	23	72	He	22857.011	ug/L	2.3	1008717.69	41.7047	Analog	0.1000	3
Mg	24	72	He	103097.430	ug/L	2.0	2321793.09	95.9903	Analog	0.1000	3
Al	27	72	He	0.959	ug/L	635.8	50.00	0.0021	Pulse	0.1000	3
K	39	72	He	33781.726	ppb	1.5	433146.19	17.9060	Pulse	0.1000	3
Ca	44	72	He	486200.871	ppb	1.2	409867.66	16.9430	Pulse	0.1000	3
Ti	47	159	He	0.465	ppb	509.5	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.049	ppb	56.0	130.00	0.0054	Pulse	0.5000	3
Cr	52	45	He	-0.252	ppb	N/A	363.35	0.0326	Pulse	0.1000	3
Mn	55	45	He	4615.864	ppb	5.7	899499.98	80.7640	Pulse	0.1000	3
Fe	57	72	He	10128.589	ppb	2.4	108615.19	4.4907	Pulse	0.1000	3
Co	59	72	He	1.940	ppb	4.4	2506.99	0.1037	Pulse	0.1000	3
Ni	60	72	He	0.249	ppb	75.8	233.35	0.0097	Pulse	0.1000	3
Cu	63	72	He	0.188	ppb	16.5	323.35	0.0134	Pulse	0.1000	3
Zn	66	72	He	0.240	ppb	160.9	70.00	0.0029	Pulse	0.1000	3
As	75	45	He	0.123	ppb	99.1	17.33	0.0015	Pulse	0.5000	3
Sr	88	159	He	1110.306	ppb	1.0	263330.47	1.5183	Pulse	0.1000	3
Mo	98	159	He	0.005	ppb	539.4	63.33	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.009	ppb	84.5	50.00	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.013	ppb	73.3	6.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.513	ppb	N/A	1560.15	0.0090	Pulse	0.1000	3
Sb	121	159	He	0.001	ppb	2313.7	13.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	30.541	ppb	9.4	5551.37	0.0320	Pulse	0.1000	3
Tl	205	159	He	-0.022	ppb	N/A	116.67	0.0007	Pulse	0.1000	3
Pb	208	159	He	0.028	ppb	27.5	266.68	0.0015	Pulse	0.1000	3
U	238	209	He	0.004	ppb	140.1	203.34	0.0015	Pulse	0.1000	3

ISTD Table:

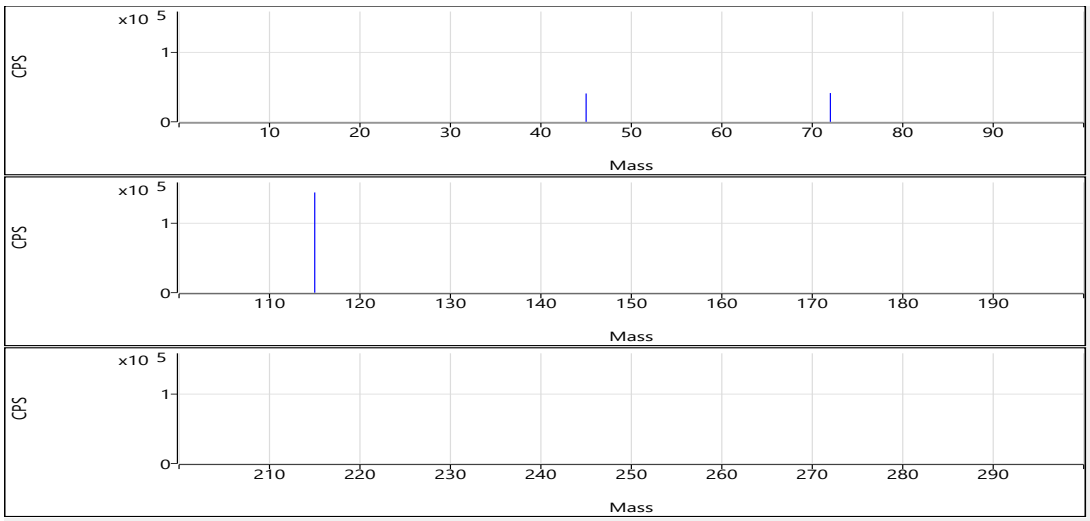
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1017413.71	0.4	97.3	Analog	0.1000	3
No Gas	Ge	72	580968.96	0.3	96.6	Pulse	0.1000	3
H2	Sc	45	40803.25	1.9	96.5	Pulse	0.1000	3
H2	Ge	72	41409.31	0.3	94.4	Pulse	0.1000	3
H2	In	115	144352.36	1.8	95.8	Pulse	0.1000	3
He	Sc	45	11158.11	5.0	97.7	Pulse	0.1000	3
He	Ge	72	24195.10	2.3	95.5	Pulse	0.1000	3
He	In	115	26583.56	1.5	97.4	Pulse	0.1000	3
He	Tb	159	173446.42	0.6	98.3	Pulse	0.1000	3
He	Bi	209	132285.41	1.6	98.1	Pulse	0.1000	3

No Gas

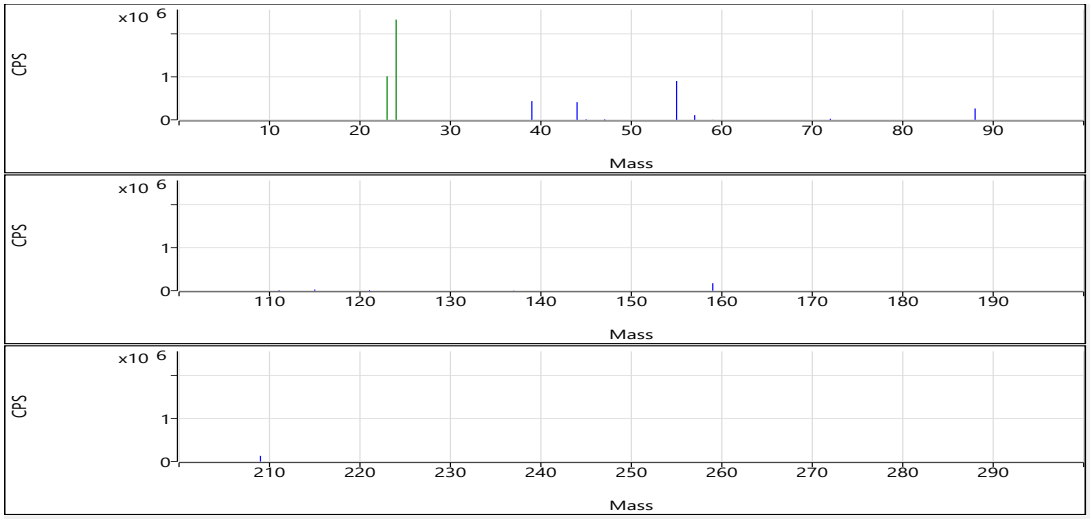


H2



Quantitation Report

He



Quantitation Report

Data File Name	145SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:05:15 PM
Sample Name	410-235858-K-7-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

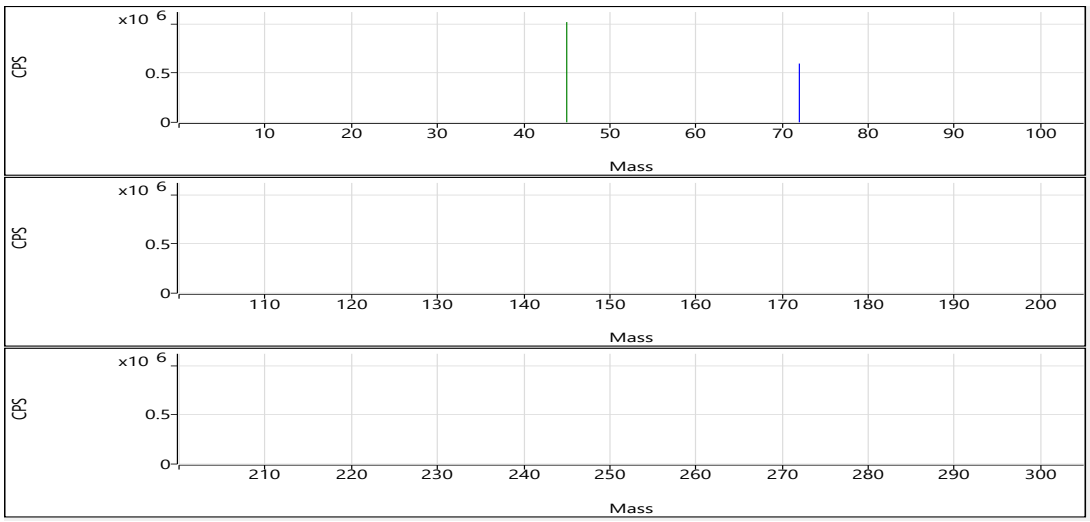
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.012	ug/L	N/A	24.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.287	ppb	95.1	3.56	0.0001	Pulse	1.5000	3
Na	23	72	He	22650.404	ug/L	3.1	208297.73	8.4446	Pulse	0.1000	3
Mg	24	72	He	104332.498	ug/L	2.1	479393.24	19.4331	Pulse	0.1000	3
Al	27	72	He	3.840	ug/L	570.0	50.00	0.0020	Pulse	0.1000	3
K	39	72	He	34017.416	ppb	2.4	90531.77	3.6700	Pulse	0.1000	3
Ca	44	72	He	489912.171	ppb	4.0	84241.35	3.4152	Pulse	0.1000	3
Ti	47	159	He	-2.268	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.300	ppb	98.0	136.67	0.0055	Pulse	0.5000	3
Cr	52	45	He	-0.752	ppb	N/A	420.02	0.0373	Pulse	0.1000	3
Mn	55	45	He	4734.188	ppb	1.3	186650.60	16.5705	Pulse	0.1000	3
Fe	57	72	He	10020.162	ppb	2.9	21987.92	0.8914	Pulse	0.1000	3
Co	59	72	He	1.960	ppb	13.0	603.37	0.0244	Pulse	0.1000	3
Ni	60	72	He	0.151	ppb	113.8	160.01	0.0065	Pulse	0.1000	3
Cu	63	72	He	0.380	ppb	73.7	210.01	0.0085	Pulse	0.1000	3
Zn	66	72	He	0.936	ppb	282.7	66.67	0.0027	Pulse	0.1000	3
As	75	45	He	-0.032	ppb	N/A	10.00	0.0009	Pulse	0.5000	3
Sr	88	159	He	1140.323	ppb	1.1	55616.42	0.3135	Pulse	0.1000	3
Mo	98	159	He	-0.020	ppb	N/A	56.67	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.007	ppb	187.4	33.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.063	ppb	N/A	0.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-3.996	ppb	N/A	1433.46	0.0081	Pulse	0.1000	3
Sb	121	159	He	0.582	ppb	43.2	66.67	0.0004	Pulse	0.1000	3
Ba	137	159	He	27.912	ppb	7.7	1740.17	0.0098	Pulse	0.1000	3
Tl	205	159	He	-0.084	ppb	N/A	150.01	0.0008	Pulse	0.1000	3
Pb	208	159	He	0.178	ppb	17.5	303.35	0.0017	Pulse	0.1000	3
U	238	209	He	0.015	ppb	104.8	203.34	0.0015	Pulse	0.1000	3

ISTD Table:

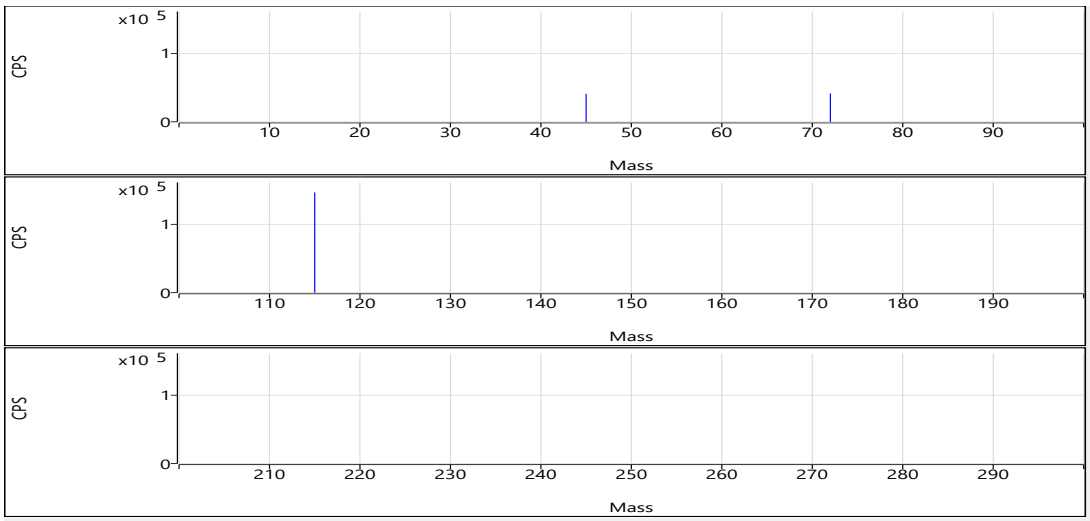
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1017963.94	1.4	97.4	Analog	0.1000	3
No Gas	Ge	72	596581.64	0.9	99.2	Pulse	0.1000	3
H2	Sc	45	40970.40	2.3	96.9	Pulse	0.1000	3
H2	Ge	72	41663.21	2.0	95.0	Pulse	0.1000	3
H2	In	115	147197.56	1.0	97.7	Pulse	0.1000	3
He	Sc	45	11264.84	0.8	98.6	Pulse	0.1000	3
He	Ge	72	24676.00	2.1	97.4	Pulse	0.1000	3
He	In	115	26560.15	2.6	97.3	Pulse	0.1000	3
He	Tb	159	177424.12	0.3	100.6	Pulse	0.1000	3
He	Bi	209	139836.13	2.9	103.7	Pulse	0.1000	3

No Gas

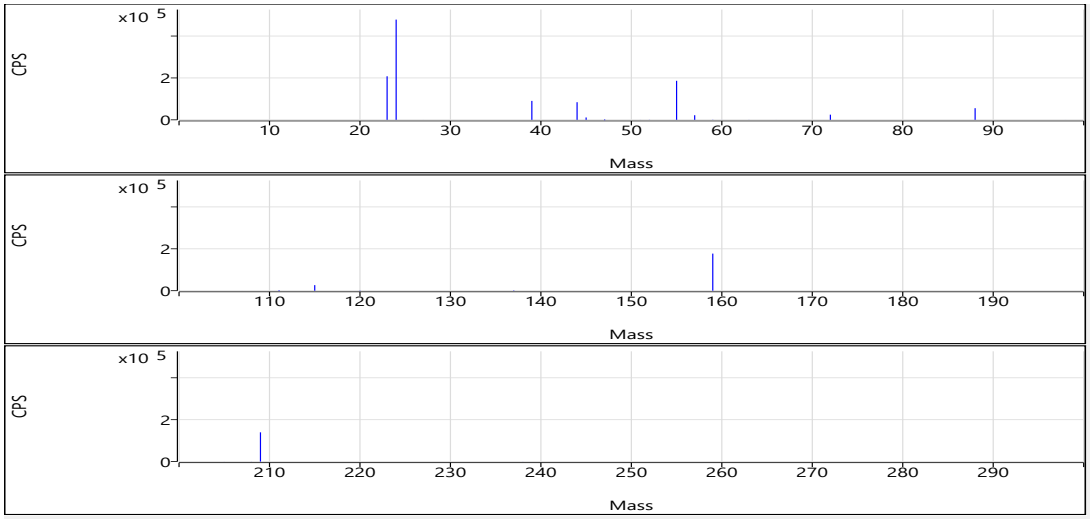


H2



Quantitation Report

He



Quantitation Report

Data File Name	146SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:07:08 PM
Sample Name	410-235858-K-3-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

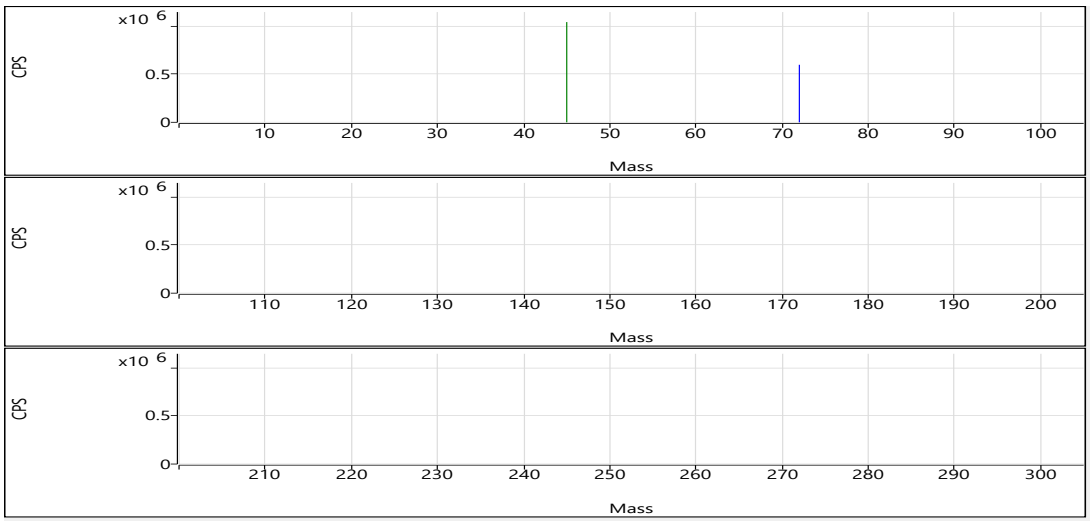
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.008	ug/L	N/A	22.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.225	ppb	62.1	7.78	0.0002	Pulse	1.5000	3
Na	23	72	He	22293.169	ug/L	2.2	982178.27	40.6815	Analog	0.1000	3
Mg	24	72	He	80801.128	ug/L	2.5	1816237.52	75.2323	Analog	0.1000	3
Al	27	72	He	3.588	ug/L	144.1	66.67	0.0028	Pulse	0.1000	3
K	39	72	He	25218.019	ppb	1.9	323228.83	13.3871	Pulse	0.1000	3
Ca	44	72	He	402256.779	ppb	2.0	338452.01	14.0179	Pulse	0.1000	3
Ti	47	159	He	0.438	ppb	304.3	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.125	ppb	54.6	158.67	0.0066	Pulse	0.5000	3
Cr	52	45	He	0.047	ppb	516.9	510.03	0.0465	Pulse	0.1000	3
Mn	55	45	He	647.408	ppb	1.0	124478.56	11.3317	Pulse	0.1000	3
Fe	57	72	He	66.143	ppb	2.8	793.39	0.0329	Pulse	0.1000	3
Co	59	72	He	0.305	ppb	20.8	483.36	0.0200	Pulse	0.1000	3
Ni	60	72	He	0.747	ppb	20.7	410.02	0.0170	Pulse	0.1000	3
Cu	63	72	He	6.823	ppb	2.3	7258.82	0.3007	Pulse	0.1000	3
Zn	66	72	He	2.705	ppb	26.9	300.01	0.0125	Pulse	0.1000	3
As	75	45	He	0.034	ppb	179.6	12.00	0.0011	Pulse	0.5000	3
Sr	88	159	He	963.918	ppb	1.8	233225.01	1.3184	Pulse	0.1000	3
Mo	98	159	He	0.054	ppb	21.9	110.00	0.0006	Pulse	0.1000	3
Ag	107	159	He	-0.002	ppb	N/A	26.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.057	ppb	20.2	15.33	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.950	ppb	N/A	1343.45	0.0076	Pulse	0.1000	3
Sb	121	159	He	0.022	ppb	58.8	23.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	42.458	ppb	1.6	7539.07	0.0426	Pulse	0.1000	3
Tl	205	159	He	-0.007	ppb	N/A	206.68	0.0012	Pulse	0.1000	3
Pb	208	159	He	0.047	ppb	37.3	346.69	0.0020	Pulse	0.1000	3
U	238	209	He	0.356	ppb	6.7	3300.56	0.0249	Pulse	0.1000	3

ISTD Table:

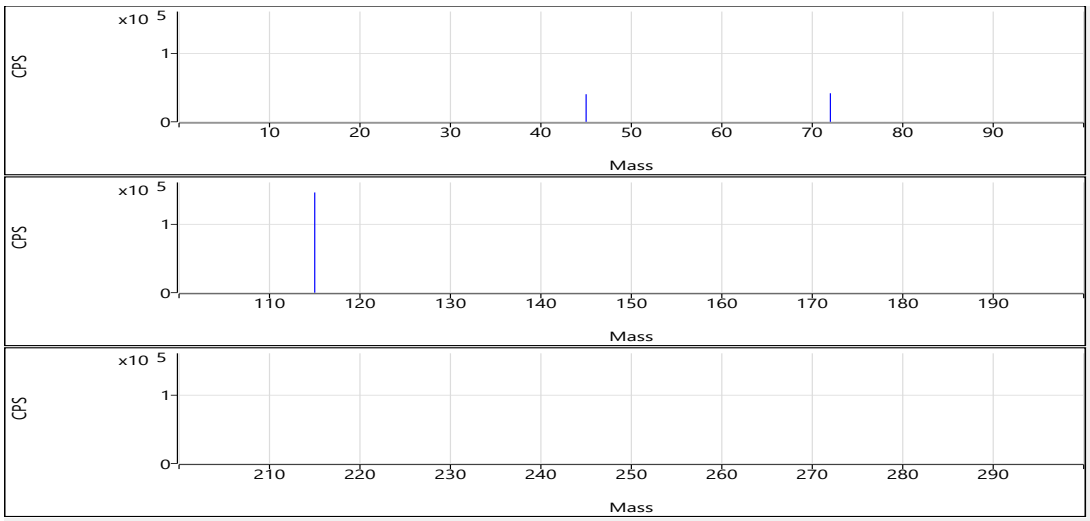
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1043141.65	0.6	99.8	Analog	0.1000	3
No Gas	Ge	72	598656.28	1.1	99.6	Pulse	0.1000	3
H2	Sc	45	40558.88	2.8	96.0	Pulse	0.1000	3
H2	Ge	72	41981.05	1.7	95.7	Pulse	0.1000	3
H2	In	115	147387.08	0.3	97.8	Pulse	0.1000	3
He	Sc	45	10984.69	1.3	96.2	Pulse	0.1000	3
He	Ge	72	24151.63	2.5	95.3	Pulse	0.1000	3
He	In	115	26610.19	3.4	97.5	Pulse	0.1000	3
He	Tb	159	176921.37	1.1	100.3	Pulse	0.1000	3
He	Bi	209	132625.06	0.7	98.3	Pulse	0.1000	3

No Gas

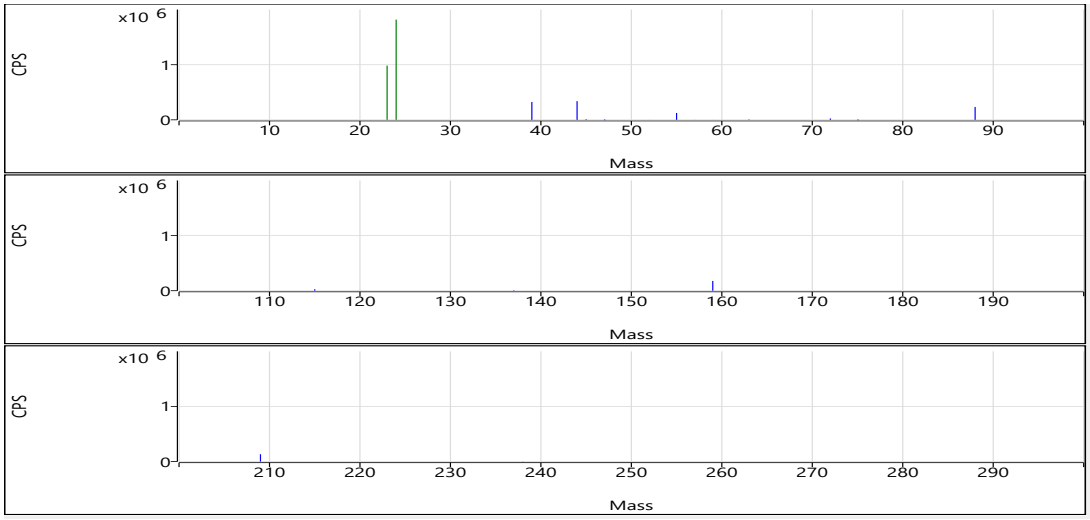


H2



Quantitation Report

He



Quantitation Report

Data File Name	146SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:09:32 PM
Sample Name	410-235858-K-3-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

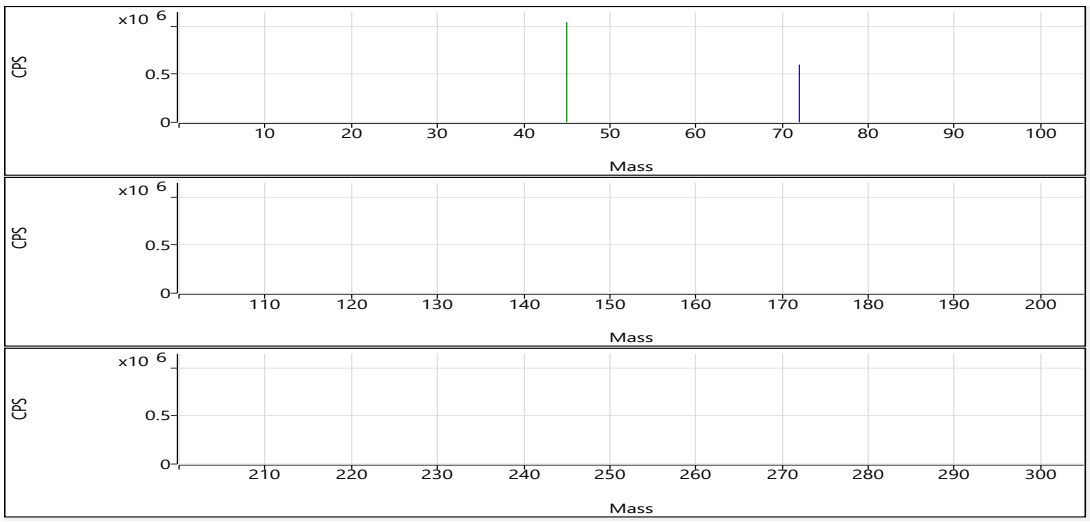
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.075	ug/L	N/A	18.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.071	ppb	N/A	1.78	0.0000	Pulse	1.5000	3
Na	23	72	He	21767.314	ug/L	1.7	201985.02	8.1241	Pulse	0.1000	3
Mg	24	72	He	81726.322	ug/L	2.2	378456.38	15.2238	Pulse	0.1000	3
Al	27	72	He	21.502	ug/L	88.7	73.33	0.0029	Pulse	0.1000	3
K	39	72	He	25388.111	ppb	0.5	68626.48	2.7593	Pulse	0.1000	3
Ca	44	72	He	405114.254	ppb	2.7	70204.80	2.8242	Pulse	0.1000	3
Ti	47	159	He	-2.274	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.377	ppb	23.6	144.00	0.0058	Pulse	0.5000	3
Cr	52	45	He	-0.288	ppb	N/A	470.02	0.0416	Pulse	0.1000	3
Mn	55	45	He	649.710	ppb	1.2	25727.43	2.2780	Pulse	0.1000	3
Fe	57	72	He	97.596	ppb	22.4	303.35	0.0122	Pulse	0.1000	3
Co	59	72	He	0.179	ppb	51.3	153.34	0.0062	Pulse	0.1000	3
Ni	60	72	He	0.239	ppb	358.1	166.67	0.0067	Pulse	0.1000	3
Cu	63	72	He	7.475	ppb	4.2	1740.17	0.0700	Pulse	0.1000	3
Zn	66	72	He	2.119	ppb	71.0	90.00	0.0036	Pulse	0.1000	3
As	75	45	He	0.020	ppb	1227.4	10.67	0.0009	Pulse	0.5000	3
Sr	88	159	He	996.298	ppb	3.4	48884.38	0.2741	Pulse	0.1000	3
Mo	98	159	He	0.032	ppb	348.9	66.67	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.022	ppb	275.3	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.109	ppb	43.7	8.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-3.943	ppb	N/A	1446.80	0.0081	Pulse	0.1000	3
Sb	121	159	He	0.325	ppb	51.7	43.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	33.108	ppb	22.2	1913.55	0.0107	Pulse	0.1000	3
Tl	205	159	He	-0.067	ppb	N/A	170.01	0.0010	Pulse	0.1000	3
Pb	208	159	He	0.295	ppb	9.4	396.69	0.0022	Pulse	0.1000	3
U	238	209	He	0.387	ppb	7.5	883.40	0.0064	Pulse	0.1000	3

ISTD Table:

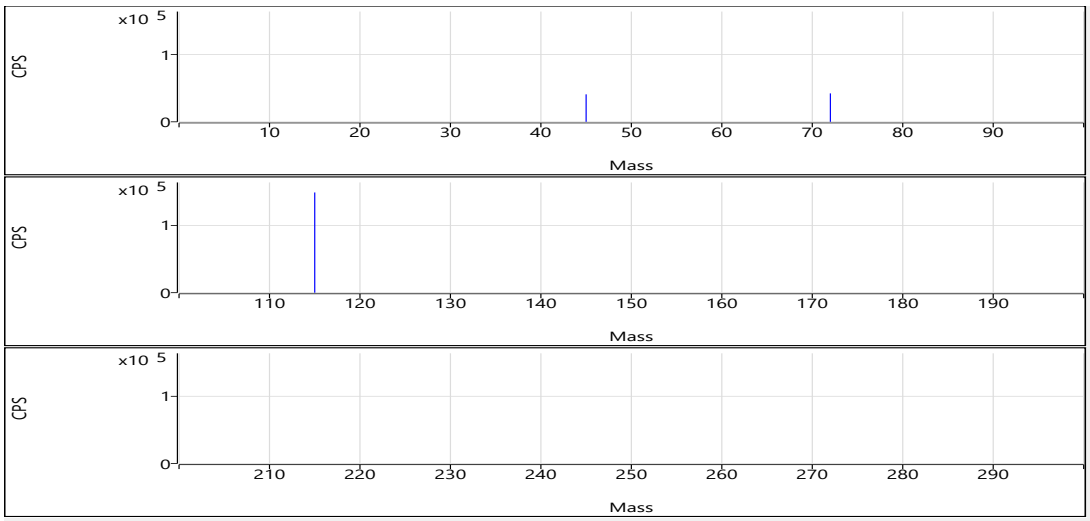
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1042096.68	0.2	99.7	Analog	0.1000	3
No Gas	Ge	72	600047.34	0.5	99.8	Pulse	0.1000	3
H2	Sc	45	40873.38	0.9	96.7	Pulse	0.1000	3
H2	Ge	72	42281.75	1.2	96.4	Pulse	0.1000	3
H2	In	115	149102.81	0.7	98.9	Pulse	0.1000	3
He	Sc	45	11294.90	2.0	98.9	Pulse	0.1000	3
He	Ge	72	24869.71	2.8	98.2	Pulse	0.1000	3
He	In	115	27471.93	0.8	100.6	Pulse	0.1000	3
He	Tb	159	178337.94	0.4	101.1	Pulse	0.1000	3
He	Bi	209	138071.56	1.7	102.4	Pulse	0.1000	3

No Gas

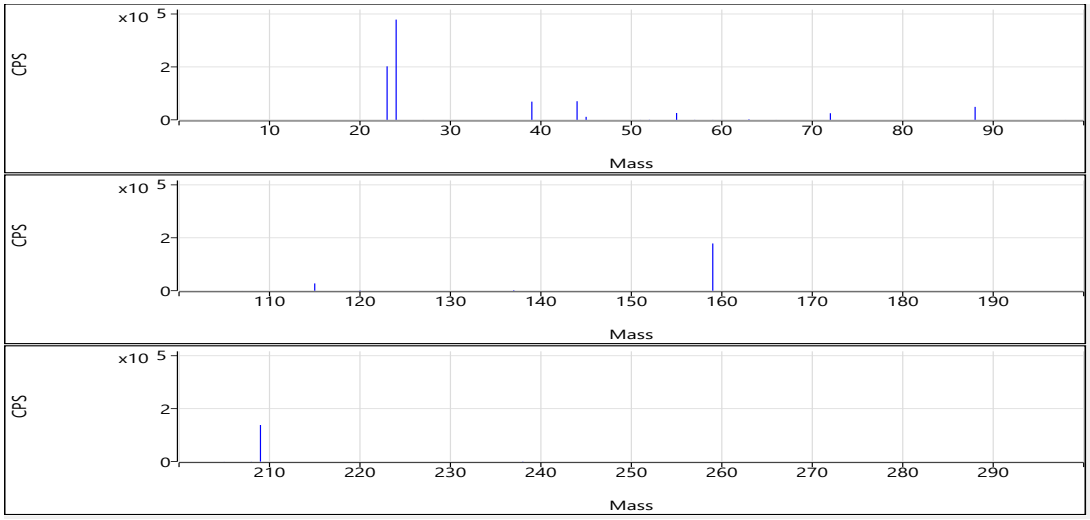


H2



Quantitation Report

He



Quantitation Report

Data File Name	147SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:11:26 PM
Sample Name	410-235925-R-1-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

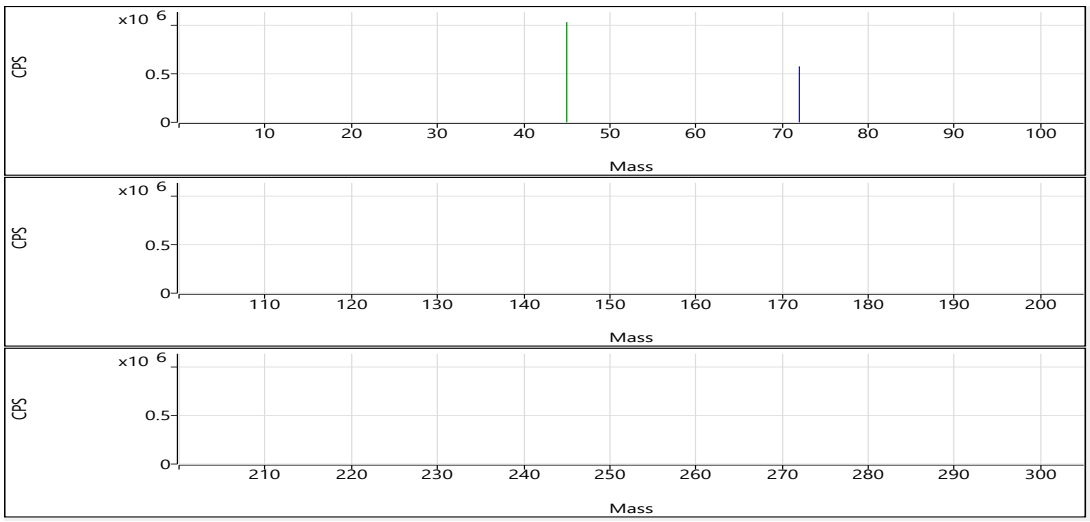
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.000	ug/L	N/A	25.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	2.206	ppb	5.3	57.11	0.0014	Pulse	1.5000	3
Na	23	72	He	1251974.742	ug/L	1.5	54667699.18	2,272.3354	Analog	0.1000	3
Mg	24	72	He	124737.687	ug/L	1.5	2794029.34	116.1374	Analog	0.1000	3
Al	27	72	He	11.264	ug/L	8.1	113.34	0.0047	Pulse	0.1000	3
K	39	72	He	206976.111	ppb	0.9	2629679.34	109.2983	Analog	0.1000	3
Ca	44	72	He	92497.174	ppb	1.7	77562.88	3.2241	Pulse	0.1000	3
Ti	47	159	He	0.987	ppb	82.7	13.33	0.0001	Pulse	0.1000	3
V	51	72	He	3.021	ppb	4.8	1252.07	0.0521	Pulse	0.5000	3
Cr	52	45	He	4.319	ppb	3.5	2687.03	0.2457	Pulse	0.1000	3
Mn	55	45	He	1704.334	ppb	1.8	326198.97	29.8237	Pulse	0.1000	3
Fe	57	72	He	793.582	ppb	3.4	8542.88	0.3551	Pulse	0.1000	3
Co	59	72	He	25.231	ppb	3.1	31179.12	1.2962	Pulse	0.1000	3
Ni	60	72	He	160.528	ppb	0.6	56558.17	2.3505	Pulse	0.1000	3
Cu	63	72	He	16.976	ppb	1.8	17808.57	0.7402	Pulse	0.1000	3
Zn	66	72	He	106.805	ppb	1.6	10013.91	0.4162	Pulse	0.1000	3
As	75	45	He	4.935	ppb	14.5	281.34	0.0258	Pulse	0.5000	3
Sr	88	159	He	581.392	ppb	0.4	134126.84	0.7960	Pulse	0.1000	3
Mo	98	159	He	1.046	ppb	6.4	980.07	0.0058	Pulse	0.1000	3
Ag	107	159	He	-0.001	ppb	N/A	26.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.070	ppb	30.2	17.33	0.0001	Pulse	0.5000	3
Sn	120	159	He	0.125	ppb	286.0	1860.19	0.0110	Pulse	0.1000	3
Sb	121	159	He	0.355	ppb	25.3	166.68	0.0010	Pulse	0.1000	3
Ba	137	159	He	401.890	ppb	2.1	61057.64	0.3624	Pulse	0.1000	3
Tl	205	159	He	0.084	ppb	12.7	680.05	0.0040	Pulse	0.1000	3
Pb	208	159	He	1.065	ppb	7.0	4114.20	0.0244	Pulse	0.1000	3
U	238	209	He	4.119	ppb	0.7	32697.19	0.2749	Pulse	0.1000	3

ISTD Table:

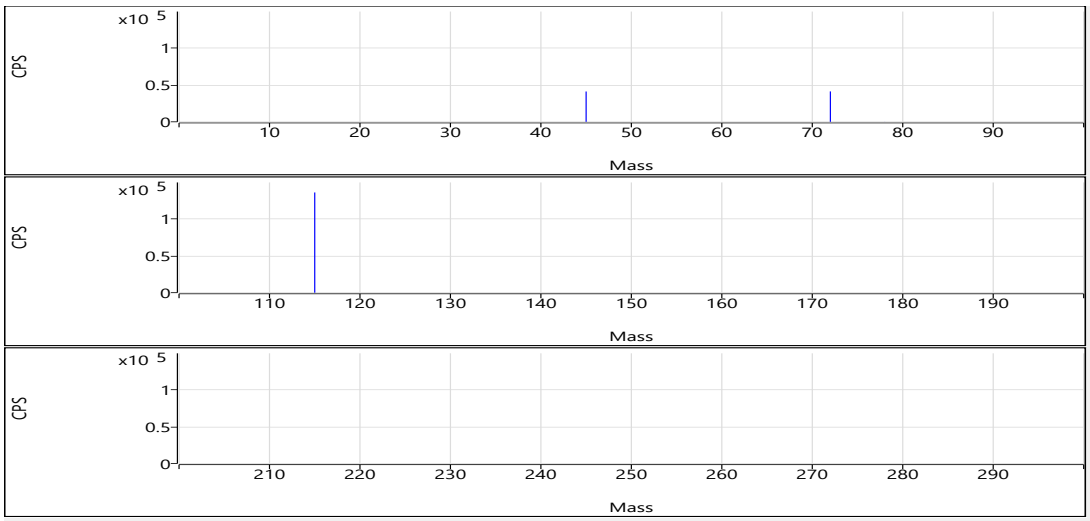
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1027405.84	0.9	98.3	Analog	0.1000	3
No Gas	Ge	72	573288.29	0.6	95.3	Pulse	0.1000	3
H2	Sc	45	41167.40	0.5	97.4	Pulse	0.1000	3
H2	Ge	72	41272.14	2.5	94.1	Pulse	0.1000	3
H2	In	115	136078.64	1.7	90.3	Pulse	0.1000	3
He	Sc	45	10941.24	2.8	95.8	Pulse	0.1000	3
He	Ge	72	24061.58	1.5	95.0	Pulse	0.1000	3
He	In	115	25371.23	2.5	93.0	Pulse	0.1000	3
He	Tb	159	168506.05	0.6	95.5	Pulse	0.1000	3
He	Bi	209	118944.95	3.1	88.2	Pulse	0.1000	3

No Gas

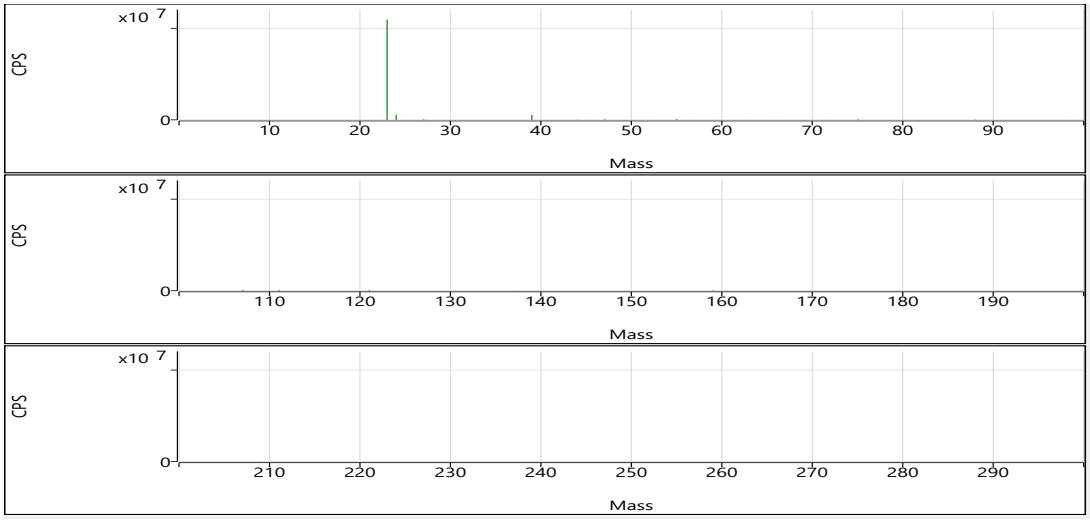


H2



Quantitation Report

He



Quantitation Report

Data File Name	147SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:13:51 PM
Sample Name	410-235925-R-1-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	10.0000
Total Dilution	10.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

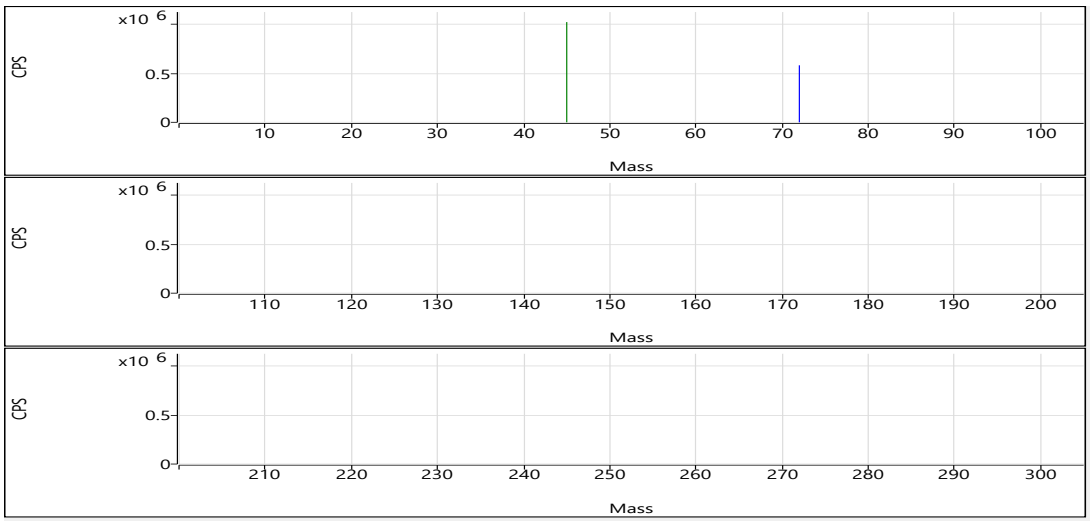
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.118	ug/L	N/A	19.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	1.987	ppb	52.7	7.11	0.0002	Pulse	1.5000	3
Na	23	72	He	1334666.115	ug/L	2.3	5839507.62	242.4415	Analog	0.1000	3
Mg	24	72	He	131489.279	ug/L	2.7	294989.31	12.2480	Pulse	0.1000	3
Al	27	72	He	-13.013	ug/L	N/A	36.67	0.0015	Pulse	0.1000	3
K	39	72	He	218131.429	ppb	1.8	279192.30	11.5904	Pulse	0.1000	3
Ca	44	72	He	100164.074	ppb	4.2	8432.80	0.3500	Pulse	0.1000	3
Ti	47	159	He	-9.032	ppb	0.0	0.00	0.0000	Pulse	0.1000	3
V	51	72	He	3.737	ppb	20.9	252.00	0.0105	Pulse	0.5000	3
Cr	52	45	He	2.470	ppb	70.2	633.37	0.0558	Pulse	0.1000	3
Mn	55	45	He	1780.797	ppb	3.7	35498.87	3.1203	Pulse	0.1000	3
Fe	57	72	He	869.593	ppb	7.5	1013.40	0.0421	Pulse	0.1000	3
Co	59	72	He	26.709	ppb	6.0	3397.20	0.1411	Pulse	0.1000	3
Ni	60	72	He	177.158	ppb	2.8	6378.34	0.2648	Pulse	0.1000	3
Cu	63	72	He	18.610	ppb	14.1	2063.57	0.0858	Pulse	0.1000	3
Zn	66	72	He	130.778	ppb	14.4	1266.77	0.0527	Pulse	0.1000	3
As	75	45	He	4.538	ppb	35.1	36.67	0.0032	Pulse	0.5000	3
Sr	88	159	He	593.096	ppb	3.4	14471.37	0.0830	Pulse	0.1000	3
Mo	98	159	He	1.286	ppb	5.0	176.68	0.0010	Pulse	0.1000	3
Ag	107	159	He	-0.014	ppb	N/A	26.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.126	ppb	N/A	0.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-6.699	ppb	N/A	1480.15	0.0085	Pulse	0.1000	3
Sb	121	159	He	1.411	ppb	50.3	76.67	0.0004	Pulse	0.1000	3
Ba	137	159	He	415.194	ppb	4.7	7285.59	0.0418	Pulse	0.1000	3
Tl	205	159	He	-0.212	ppb	N/A	123.34	0.0007	Pulse	0.1000	3
Pb	208	159	He	1.966	ppb	6.9	916.74	0.0053	Pulse	0.1000	3
U	238	209	He	3.940	ppb	7.5	3630.67	0.0274	Pulse	0.1000	3

ISTD Table:

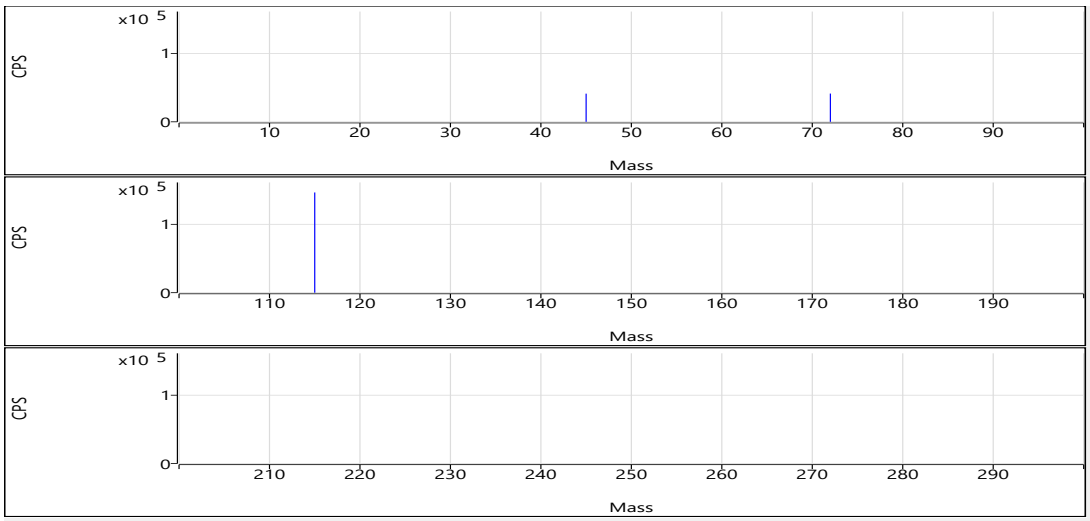
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1022161.76	0.6	97.8	Analog	0.1000	3
No Gas	Ge	72	581220.97	0.6	96.7	Pulse	0.1000	3
H2	Sc	45	41441.69	3.4	98.0	Pulse	0.1000	3
H2	Ge	72	41569.89	1.5	94.8	Pulse	0.1000	3
H2	In	115	147512.42	1.0	97.9	Pulse	0.1000	3
He	Sc	45	11384.96	3.1	99.7	Pulse	0.1000	3
He	Ge	72	24094.92	2.4	95.1	Pulse	0.1000	3
He	In	115	26773.82	1.1	98.1	Pulse	0.1000	3
He	Tb	159	174350.46	0.8	98.8	Pulse	0.1000	3
He	Bi	209	132271.46	2.1	98.1	Pulse	0.1000	3

No Gas

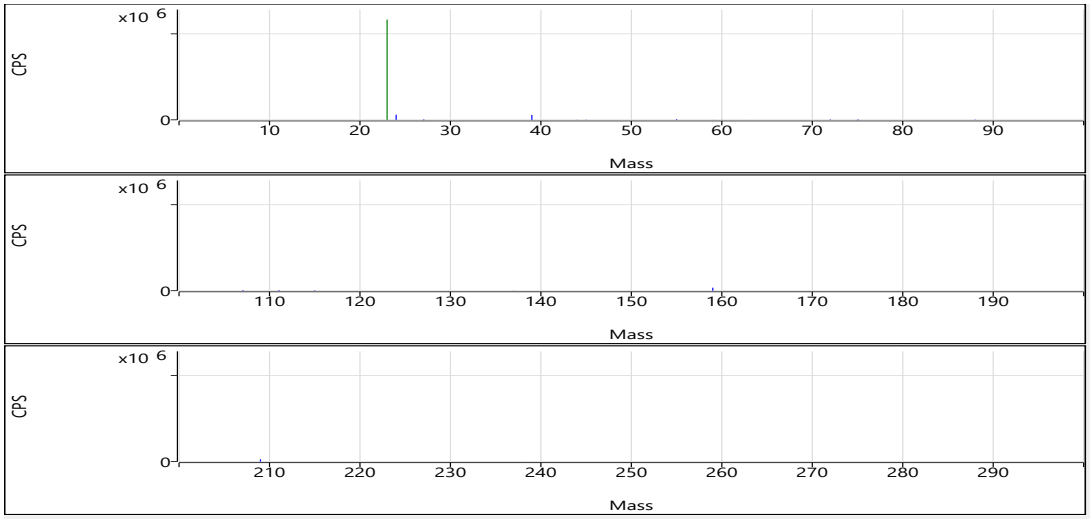


H2



Quantitation Report

He



Quantitation Report

Data File Name	148SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:15:44 PM
Sample Name	410-235858-I-13-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

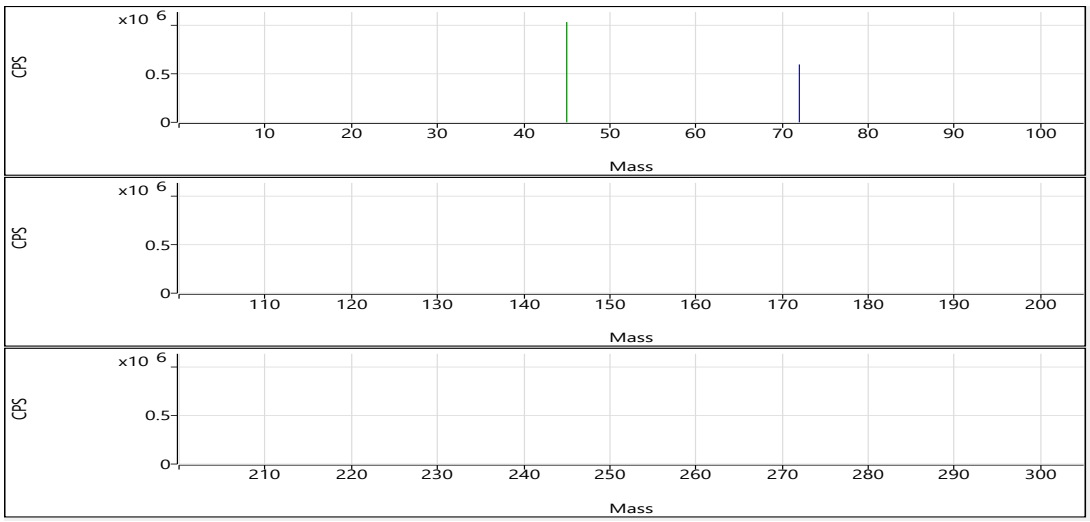
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.009	ug/L	N/A	20.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.255	ppb	23.7	8.45	0.0002	Pulse	1.5000	3
Na	23	72	He	23613.986	ug/L	1.3	1042464.10	43.0785	Analog	0.1000	3
Mg	24	72	He	102953.006	ug/L	1.3	2319606.32	95.8558	Analog	0.1000	3
Al	27	72	He	-1.294	ug/L	N/A	36.67	0.0015	Pulse	0.1000	3
K	39	72	He	36920.696	ppb	1.6	473382.17	19.5624	Pulse	0.1000	3
Ca	44	72	He	444790.655	ppb	2.1	375059.27	15.5000	Pulse	0.1000	3
Ti	47	159	He	0.025	ppb	6400.2	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.056	ppb	49.8	132.67	0.0055	Pulse	0.5000	3
Cr	52	45	He	-0.290	ppb	N/A	350.02	0.0308	Pulse	0.1000	3
Mn	55	45	He	3385.339	ppb	3.1	676145.20	59.2347	Pulse	0.1000	3
Fe	57	72	He	74411.243	ppb	1.4	797839.34	32.9694	Pulse	0.1000	3
Co	59	72	He	5.023	ppb	1.9	6328.36	0.2615	Pulse	0.1000	3
Ni	60	72	He	2.978	ppb	13.7	1200.10	0.0495	Pulse	0.1000	3
Cu	63	72	He	0.221	ppb	42.5	360.02	0.0148	Pulse	0.1000	3
Zn	66	72	He	6.424	ppb	18.7	650.04	0.0269	Pulse	0.1000	3
As	75	45	He	0.165	ppb	6.4	20.00	0.0018	Pulse	0.5000	3
Sr	88	159	He	1016.403	ppb	1.1	242132.57	1.3900	Pulse	0.1000	3
Mo	98	159	He	0.037	ppb	74.7	93.33	0.0005	Pulse	0.1000	3
Ag	107	159	He	0.003	ppb	354.7	36.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.071	ppb	28.4	18.00	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.653	ppb	N/A	1486.80	0.0085	Pulse	0.1000	3
Sb	121	159	He	0.008	ppb	604.9	16.67	0.0001	Pulse	0.1000	3
Ba	137	159	He	17.262	ppb	5.3	3517.24	0.0202	Pulse	0.1000	3
Tl	205	159	He	-0.016	ppb	N/A	153.34	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.065	ppb	50.6	413.36	0.0024	Pulse	0.1000	3
U	238	209	He	0.227	ppb	2.2	2160.28	0.0163	Pulse	0.1000	3

ISTD Table:

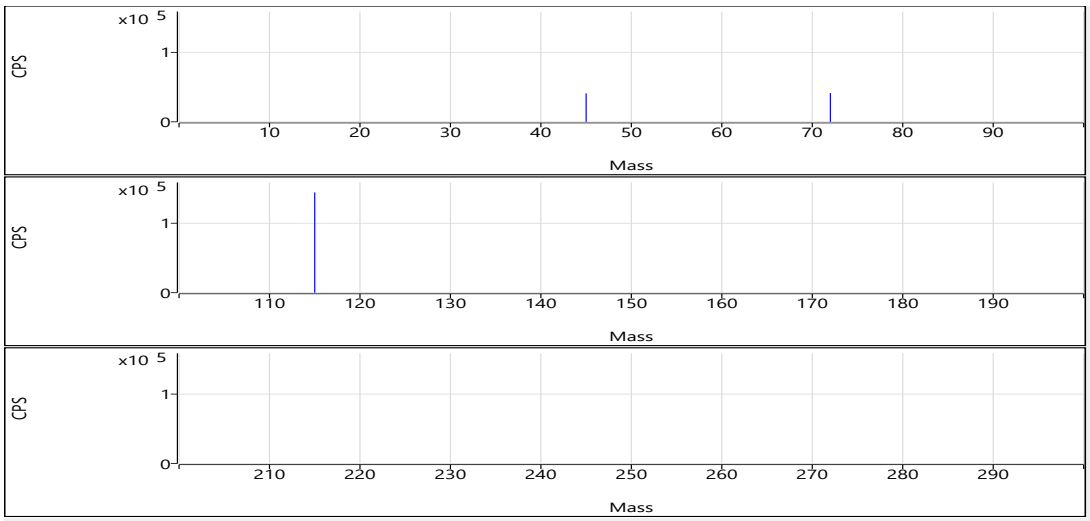
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1029832.92	0.5	98.5	Analog	0.1000	3
No Gas	Ge	72	594454.08	0.1	98.9	Pulse	0.1000	3
H2	Sc	45	40656.06	0.8	96.2	Pulse	0.1000	3
H2	Ge	72	41151.80	2.8	93.8	Pulse	0.1000	3
H2	In	115	143442.93	0.2	95.2	Pulse	0.1000	3
He	Sc	45	11421.65	3.0	100.0	Pulse	0.1000	3
He	Ge	72	24201.77	1.3	95.5	Pulse	0.1000	3
He	In	115	26927.60	1.2	98.7	Pulse	0.1000	3
He	Tb	159	174207.22	1.5	98.8	Pulse	0.1000	3
He	Bi	209	132217.51	2.4	98.0	Pulse	0.1000	3

No Gas

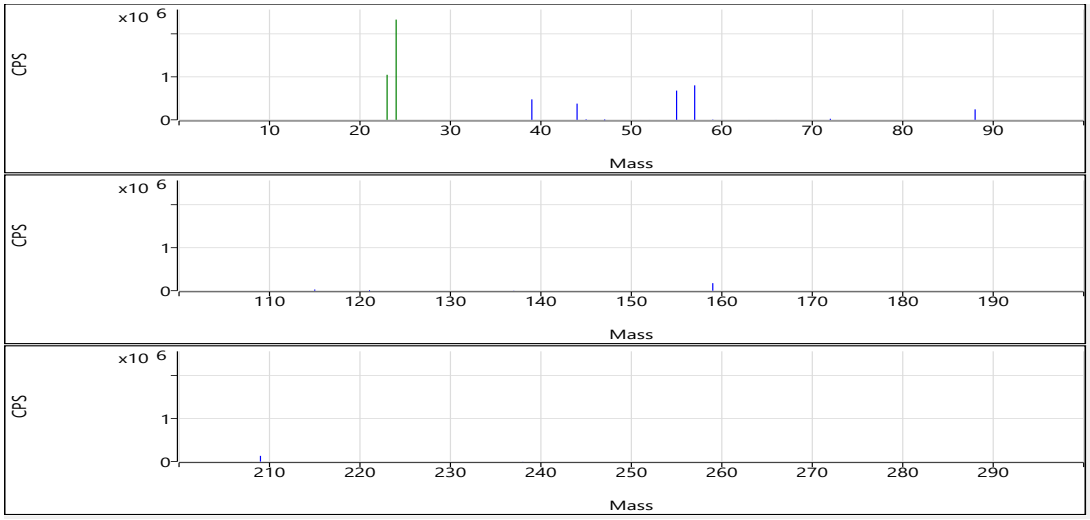


H2



Quantitation Report

He



Quantitation Report

Data File Name	148SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:18:10 PM
Sample Name	410-235858-I-13-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

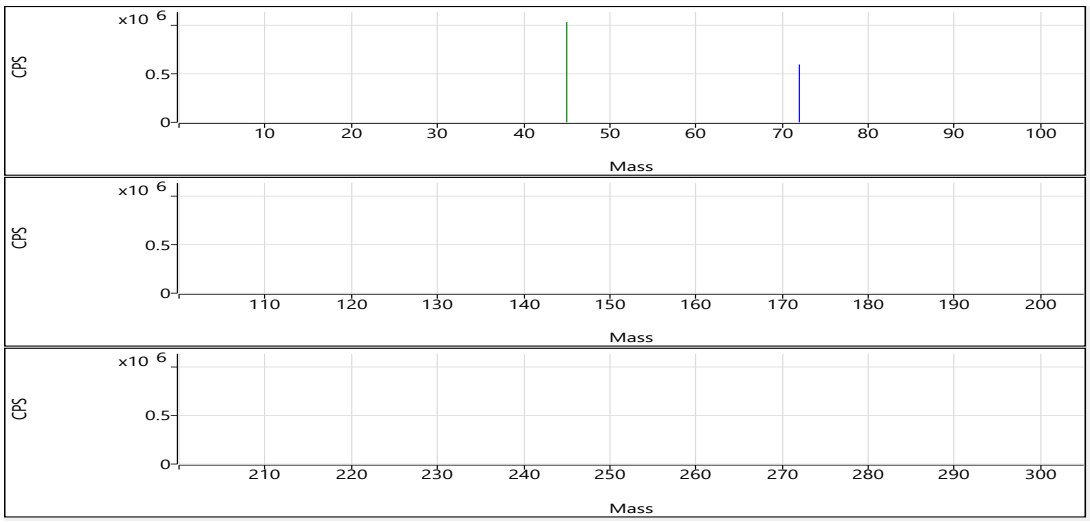
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.017	ug/L	N/A	24.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.108	ppb	121.7	2.67	0.0001	Pulse	1.5000	3
Na	23	72	He	22996.522	ug/L	1.4	211893.26	8.5702	Pulse	0.1000	3
Mg	24	72	He	103989.863	ug/L	0.8	478947.28	19.3693	Pulse	0.1000	3
Al	27	72	He	0.892	ug/L	1365.8	46.67	0.0019	Pulse	0.1000	3
K	39	72	He	36297.158	ppb	0.8	96709.05	3.9106	Pulse	0.1000	3
Ca	44	72	He	444363.880	ppb	2.4	76587.28	3.0978	Pulse	0.1000	3
Ti	47	159	He	-2.254	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.292	ppb	79.0	136.67	0.0055	Pulse	0.5000	3
Cr	52	45	He	0.149	ppb	726.6	506.70	0.0457	Pulse	0.1000	3
Mn	55	45	He	3568.986	ppb	4.0	139255.88	12.4932	Pulse	0.1000	3
Fe	57	72	He	75556.516	ppb	0.9	165622.25	6.6982	Pulse	0.1000	3
Co	59	72	He	4.920	ppb	2.0	1353.45	0.0547	Pulse	0.1000	3
Ni	60	72	He	2.115	ppb	60.4	303.35	0.0122	Pulse	0.1000	3
Cu	63	72	He	0.622	ppb	41.0	263.35	0.0106	Pulse	0.1000	3
Zn	66	72	He	8.521	ppb	56.0	213.34	0.0086	Pulse	0.1000	3
As	75	45	He	0.089	ppb	443.9	11.33	0.0010	Pulse	0.5000	3
Sr	88	159	He	1010.941	ppb	2.9	49315.80	0.2781	Pulse	0.1000	3
Mo	98	159	He	0.051	ppb	272.7	70.00	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.060	ppb	96.7	56.67	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.015	ppb	308.4	4.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-3.086	ppb	N/A	1536.81	0.0087	Pulse	0.1000	3
Sb	121	159	He	0.688	ppb	78.0	76.67	0.0004	Pulse	0.1000	3
Ba	137	159	He	12.297	ppb	13.9	1246.77	0.0070	Pulse	0.1000	3
Tl	205	159	He	-0.129	ppb	N/A	100.00	0.0006	Pulse	0.1000	3
Pb	208	159	He	0.396	ppb	6.8	473.36	0.0027	Pulse	0.1000	3
U	238	209	He	0.234	ppb	23.4	606.71	0.0044	Pulse	0.1000	3

ISTD Table:

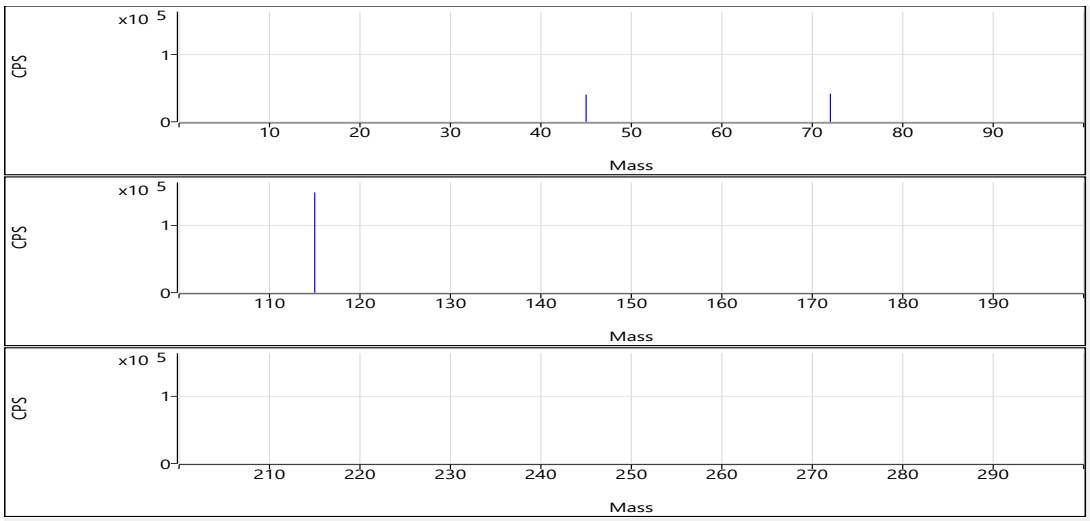
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1036828.13	0.9	99.2	Analog	0.1000	3
No Gas	Ge	72	598182.80	0.4	99.5	Pulse	0.1000	3
H2	Sc	45	40585.65	1.1	96.0	Pulse	0.1000	3
H2	Ge	72	41910.68	2.3	95.5	Pulse	0.1000	3
H2	In	115	149642.53	0.8	99.3	Pulse	0.1000	3
He	Sc	45	11158.14	4.3	97.7	Pulse	0.1000	3
He	Ge	72	24729.39	2.2	97.6	Pulse	0.1000	3
He	In	115	27198.12	1.7	99.6	Pulse	0.1000	3
He	Tb	159	177299.73	1.5	100.5	Pulse	0.1000	3
He	Bi	209	138830.35	3.2	102.9	Pulse	0.1000	3

No Gas

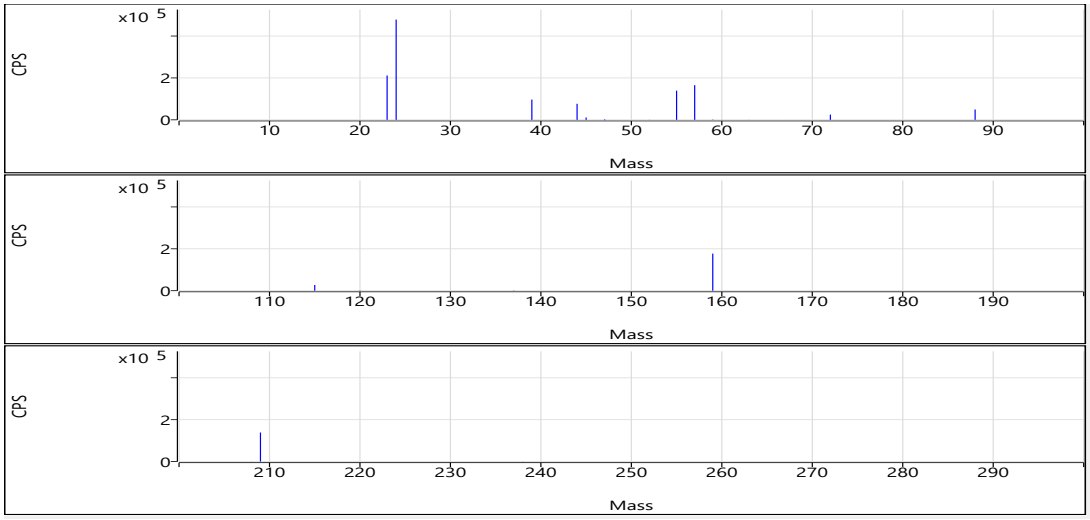


H2



Quantitation Report

He



Quantitation Report

Data File Name	149SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:20:03 PM
Sample Name	410-235858-K-11-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

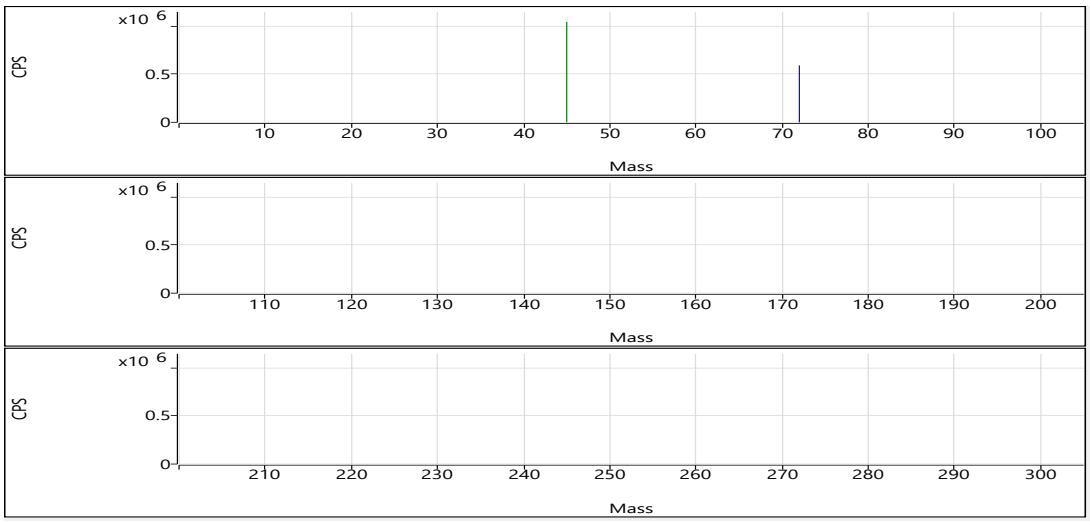
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.011	ug/L	N/A	20.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.157	ppb	36.9	6.00	0.0001	Pulse	1.5000	3
Na	23	72	He	23269.132	ug/L	1.6	1040733.61	42.4527	Analog	0.1000	3
Mg	24	72	He	103642.563	ug/L	1.5	2365687.26	96.4978	Analog	0.1000	3
Al	27	72	He	-1.895	ug/L	N/A	33.33	0.0014	Pulse	0.1000	3
K	39	72	He	34175.958	ppb	1.5	444095.90	18.1141	Pulse	0.1000	3
Ca	44	72	He	491331.357	ppb	1.9	419757.43	17.1218	Pulse	0.1000	3
Ti	47	159	He	-0.903	ppb	0.0	0.00	0.0000	Pulse	0.1000	3
V	51	72	He	0.093	ppb	45.7	148.67	0.0061	Pulse	0.5000	3
Cr	52	45	He	-0.214	ppb	N/A	393.35	0.0343	Pulse	0.1000	3
Mn	55	45	He	4561.607	ppb	1.4	914237.96	79.8147	Pulse	0.1000	3
Fe	57	72	He	10148.828	ppb	0.6	110322.18	4.4997	Pulse	0.1000	3
Co	59	72	He	2.031	ppb	4.2	2657.02	0.1083	Pulse	0.1000	3
Ni	60	72	He	0.124	ppb	103.6	193.34	0.0079	Pulse	0.1000	3
Cu	63	72	He	0.569	ppb	10.7	733.38	0.0299	Pulse	0.1000	3
Zn	66	72	He	0.300	ppb	84.0	76.67	0.0031	Pulse	0.1000	3
As	75	45	He	0.118	ppb	19.2	17.33	0.0015	Pulse	0.5000	3
Sr	88	159	He	1129.620	ppb	1.8	268137.90	1.5446	Pulse	0.1000	3
Mo	98	159	He	0.030	ppb	126.7	86.67	0.0005	Pulse	0.1000	3
Ag	107	159	He	0.005	ppb	164.6	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.000	ppb	1991.0	3.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.605	ppb	N/A	1510.14	0.0087	Pulse	0.1000	3
Sb	121	159	He	0.000	ppb	2674.3	13.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	30.701	ppb	4.4	5581.33	0.0322	Pulse	0.1000	3
Tl	205	159	He	-0.024	ppb	N/A	110.00	0.0006	Pulse	0.1000	3
Pb	208	159	He	0.073	ppb	23.0	440.03	0.0025	Pulse	0.1000	3
U	238	209	He	0.000	ppb	4343.0	166.68	0.0013	Pulse	0.1000	3

ISTD Table:

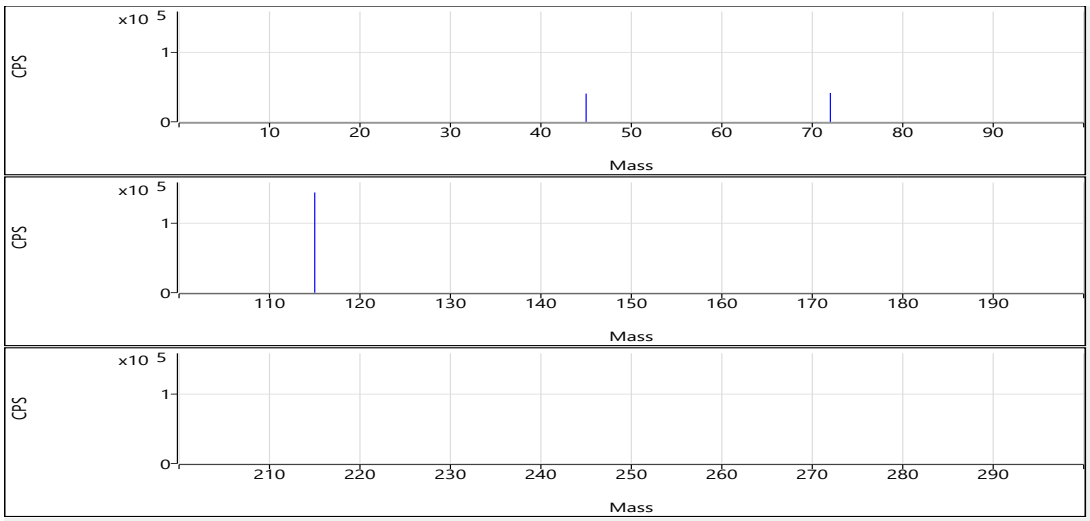
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1042248.63	0.7	99.7	Analog	0.1000	3
No Gas	Ge	72	591608.64	1.0	98.4	Pulse	0.1000	3
H2	Sc	45	40465.75	3.3	95.7	Pulse	0.1000	3
H2	Ge	72	41459.42	2.6	94.5	Pulse	0.1000	3
H2	In	115	143916.52	2.0	95.5	Pulse	0.1000	3
He	Sc	45	11455.11	0.9	100.3	Pulse	0.1000	3
He	Ge	72	24518.98	1.6	96.8	Pulse	0.1000	3
He	In	115	26366.48	2.6	96.6	Pulse	0.1000	3
He	Tb	159	173606.40	0.7	98.4	Pulse	0.1000	3
He	Bi	209	131806.57	1.2	97.7	Pulse	0.1000	3

No Gas

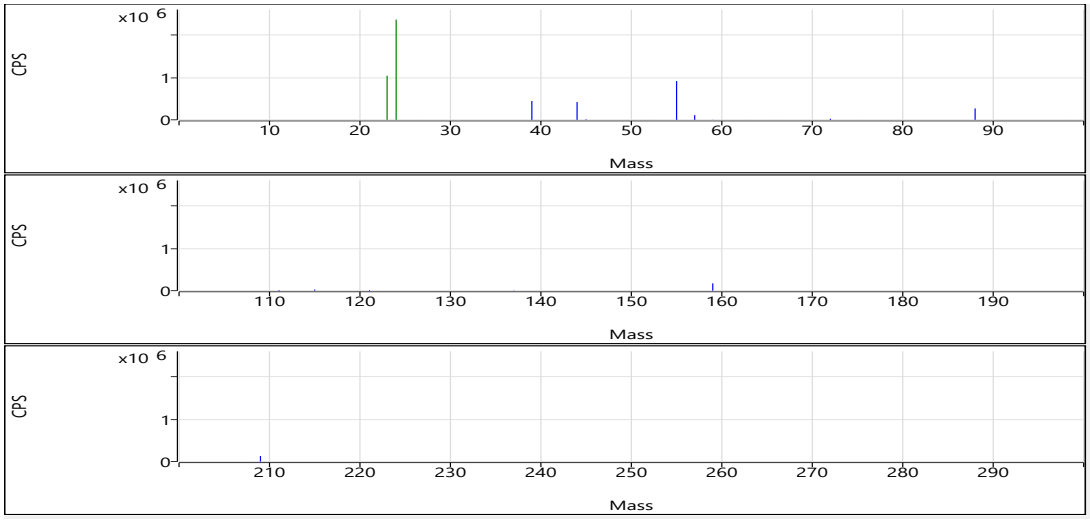


H2



Quantitation Report

He



Quantitation Report

Data File Name	149SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:30:30 PM
Sample Name	410-235858-K-11-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

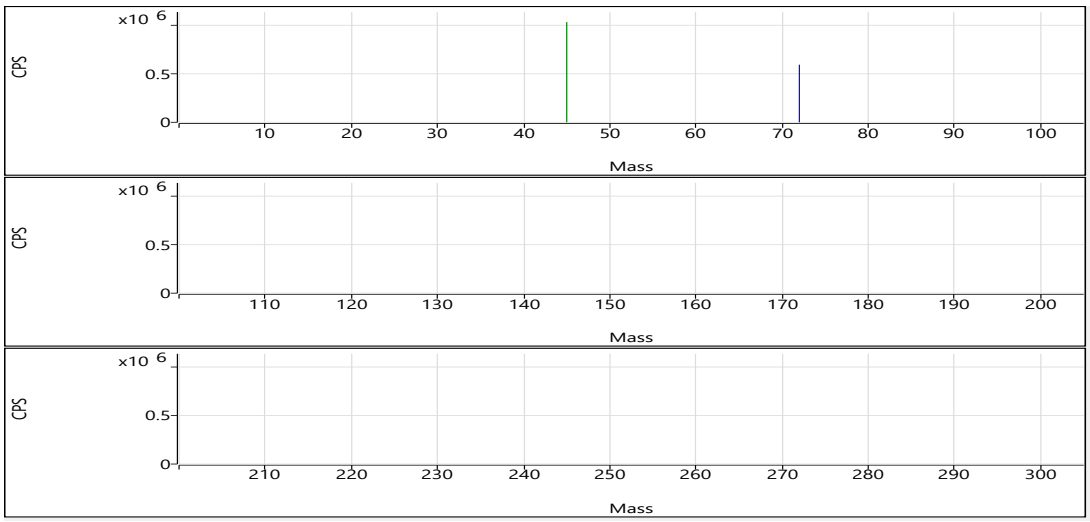
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.036	ug/L	N/A	22.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.110	ppb	N/A	1.55	0.0000	Pulse	1.5000	3
Na	23	72	He	23253.221	ug/L	3.1	210955.46	8.6634	Pulse	0.1000	3
Mg	24	72	He	106797.587	ug/L	2.5	484416.88	19.8921	Pulse	0.1000	3
Al	27	72	He	-3.986	ug/L	N/A	40.00	0.0016	Pulse	0.1000	3
K	39	72	He	34669.292	ppb	1.9	91058.33	3.7388	Pulse	0.1000	3
Ca	44	72	He	502510.583	ppb	2.3	85310.55	3.5030	Pulse	0.1000	3
Ti	47	159	He	-2.213	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.193	ppb	147.5	126.67	0.0052	Pulse	0.5000	3
Cr	52	45	He	-1.001	ppb	N/A	380.02	0.0349	Pulse	0.1000	3
Mn	55	45	He	4961.422	ppb	3.1	188856.68	17.3656	Pulse	0.1000	3
Fe	57	72	He	10828.492	ppb	2.1	23453.65	0.9630	Pulse	0.1000	3
Co	59	72	He	2.179	ppb	15.3	650.04	0.0267	Pulse	0.1000	3
Ni	60	72	He	0.039	ppb	675.1	150.01	0.0062	Pulse	0.1000	3
Cu	63	72	He	1.230	ppb	39.6	386.69	0.0159	Pulse	0.1000	3
Zn	66	72	He	-0.085	ppb	N/A	46.67	0.0019	Pulse	0.1000	3
As	75	45	He	-0.124	ppb	N/A	8.67	0.0008	Pulse	0.5000	3
Sr	88	159	He	1150.548	ppb	0.8	54676.19	0.3163	Pulse	0.1000	3
Mo	98	159	He	0.006	ppb	2780.5	60.00	0.0003	Pulse	0.1000	3
Ag	107	159	He	-0.022	ppb	N/A	20.00	0.0001	Pulse	0.1000	3
Cd	111	159	He	-0.063	ppb	N/A	0.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-3.187	ppb	N/A	1486.81	0.0086	Pulse	0.1000	3
Sb	121	159	He	0.451	ppb	87.2	53.33	0.0003	Pulse	0.1000	3
Ba	137	159	He	24.581	ppb	13.2	1593.50	0.0092	Pulse	0.1000	3
Tl	205	159	He	-0.053	ppb	N/A	180.01	0.0010	Pulse	0.1000	3
Pb	208	159	He	0.359	ppb	6.7	433.36	0.0025	Pulse	0.1000	3
U	238	209	He	-0.005	ppb	N/A	163.34	0.0012	Pulse	0.1000	3

ISTD Table:

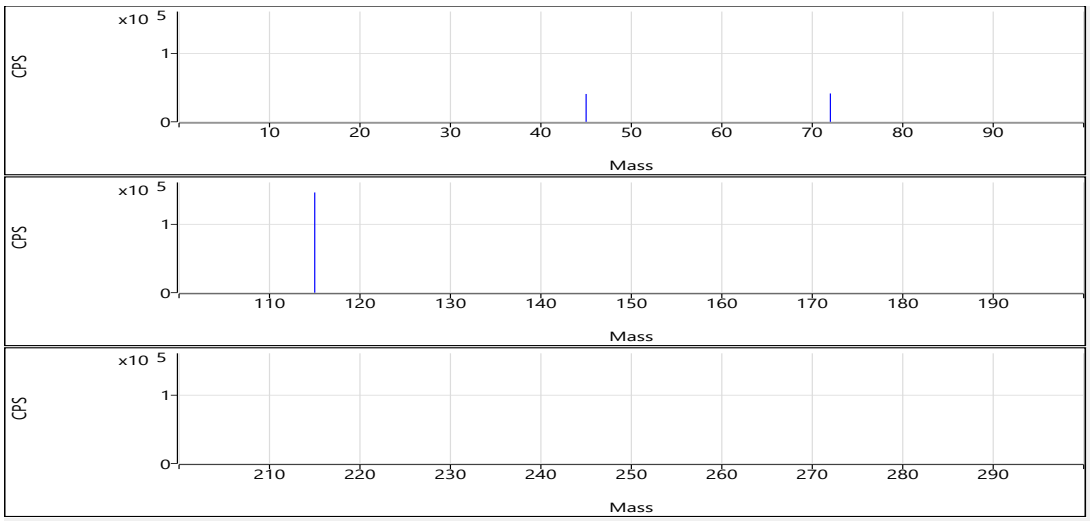
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1036903.66	0.5	99.2	Analog	0.1000	3
No Gas	Ge	72	595974.87	1.1	99.1	Pulse	0.1000	3
H2	Sc	45	40869.78	3.5	96.7	Pulse	0.1000	3
H2	Ge	72	41602.88	0.8	94.8	Pulse	0.1000	3
H2	In	115	147112.08	1.2	97.6	Pulse	0.1000	3
He	Sc	45	10881.19	2.7	95.3	Pulse	0.1000	3
He	Ge	72	24362.09	2.5	96.2	Pulse	0.1000	3
He	In	115	26219.61	2.9	96.1	Pulse	0.1000	3
He	Tb	159	172886.75	0.7	98.0	Pulse	0.1000	3
He	Bi	209	136909.68	1.1	101.5	Pulse	0.1000	3

No Gas

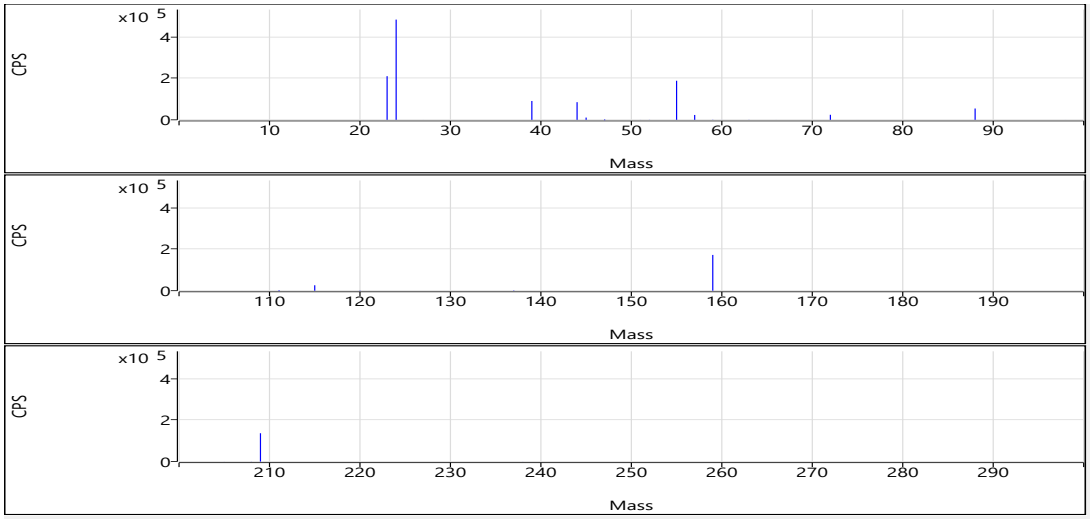


H2



Quantitation Report

He



Quantitation Report

Data File Name	151_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:24:04 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

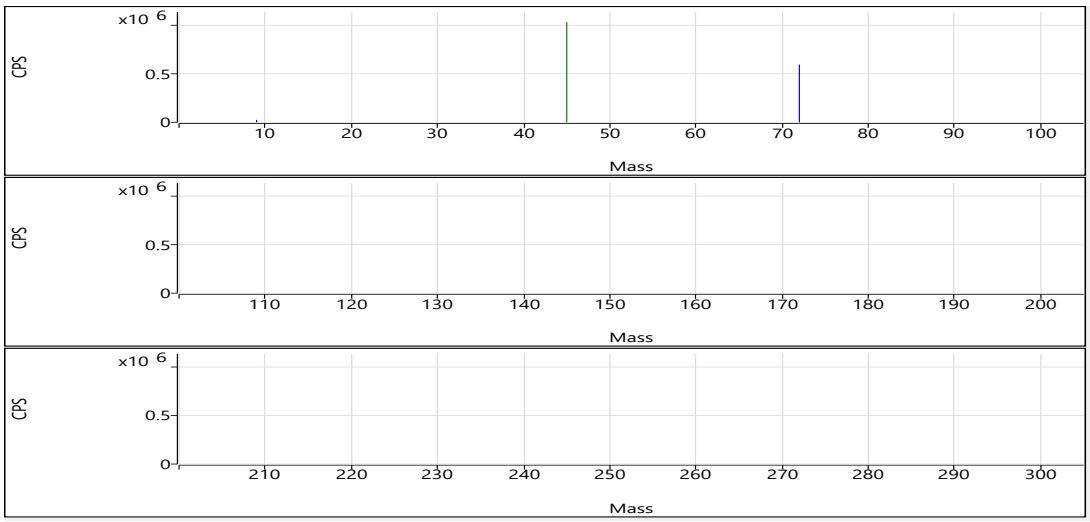
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.995	ug/L	0.7	25565.82	0.0247	Pulse	0.5000	3
Se	78	72	H2	50.018	ppb	1.4	1253.17	0.0303	Pulse	1.5000	3
Na	23	72	He	5079.164	ug/L	2.3	228302.69	9.4411	Pulse	0.1000	3
Mg	24	72	He	5016.839	ug/L	2.7	113093.55	4.6770	Pulse	0.1000	3
Al	27	72	He	5024.618	ug/L	3.3	30957.62	1.2804	Pulse	0.1000	3
K	39	72	He	4957.263	ppb	3.7	65177.70	2.6958	Pulse	0.1000	3
Ca	44	72	He	4958.083	ppb	3.1	4204.13	0.1737	Pulse	0.1000	3
Ti	47	159	He	4984.025	ppb	2.3	36684.91	0.2087	Pulse	0.1000	3
V	51	72	He	505.829	ppb	3.1	192217.61	7.9500	Pulse	0.5000	3
Cr	52	45	He	496.526	ppb	2.6	265690.58	23.1943	Pulse	0.1000	3
Mn	55	45	He	487.530	ppb	3.2	97750.24	8.5344	Pulse	0.1000	3
Fe	57	72	He	4991.305	ppb	1.9	53563.30	2.2148	Pulse	0.1000	3
Co	59	72	He	488.789	ppb	3.0	605194.60	25.0299	Pulse	0.1000	3
Ni	60	72	He	511.063	ppb	2.8	180620.08	7.4700	Pulse	0.1000	3
Cu	63	72	He	510.614	ppb	2.3	534694.43	22.1115	Pulse	0.1000	3
Zn	66	72	He	498.459	ppb	3.6	46789.46	1.9351	Pulse	0.1000	3
As	75	45	He	496.377	ppb	2.9	28649.51	2.5011	Pulse	0.5000	3
Sr	88	159	He	48.961	ppb	3.4	12109.10	0.0689	Pulse	0.1000	3
Mo	98	159	He	50.409	ppb	0.8	46443.31	0.2641	Pulse	0.1000	3
Ag	107	159	He	50.030	ppb	1.9	109593.96	0.6233	Pulse	0.1000	3
Cd	111	159	He	49.901	ppb	2.0	10485.44	0.0596	Pulse	0.5000	3
Sn	120	159	He	49.650	ppb	1.4	29843.84	0.1697	Pulse	0.1000	3
Sb	121	159	He	49.678	ppb	2.4	22522.91	0.1281	Pulse	0.1000	3
Ba	137	159	He	492.729	ppb	0.8	77928.18	0.4432	Pulse	0.1000	3
Tl	205	159	He	49.859	ppb	1.9	277698.96	1.5793	Pulse	0.1000	3
Pb	208	159	He	49.752	ppb	0.7	193056.40	1.0979	Pulse	0.1000	3
U	238	209	He	49.861	ppb	1.1	447292.86	3.3138	Pulse	0.1000	3

ISTD Table:

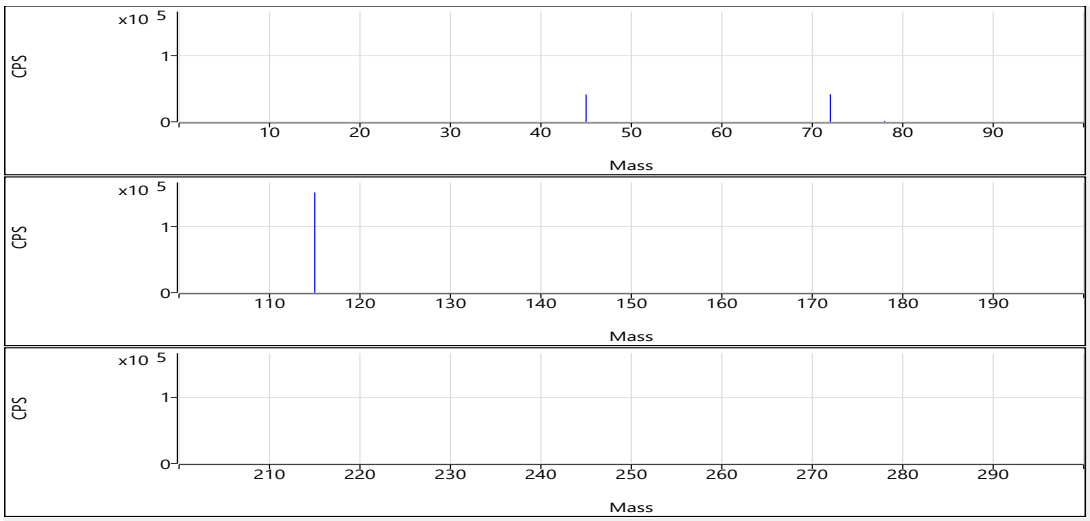
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1034846.00	0.6	99.0	Analog	0.1000	3
No Gas	Ge	72	595622.24	0.2	99.1	Pulse	0.1000	3
H2	Sc	45	41027.13	2.8	97.1	Pulse	0.1000	3
H2	Ge	72	41433.11	1.7	94.4	Pulse	0.1000	3
H2	In	115	150878.62	1.0	100.1	Pulse	0.1000	3
He	Sc	45	11461.63	3.3	100.4	Pulse	0.1000	3
He	Ge	72	24191.67	2.7	95.5	Pulse	0.1000	3
He	In	115	26803.90	2.7	98.2	Pulse	0.1000	3
He	Tb	159	175847.61	1.5	99.7	Pulse	0.1000	3
He	Bi	209	134966.43	1.3	100.1	Pulse	0.1000	3

No Gas

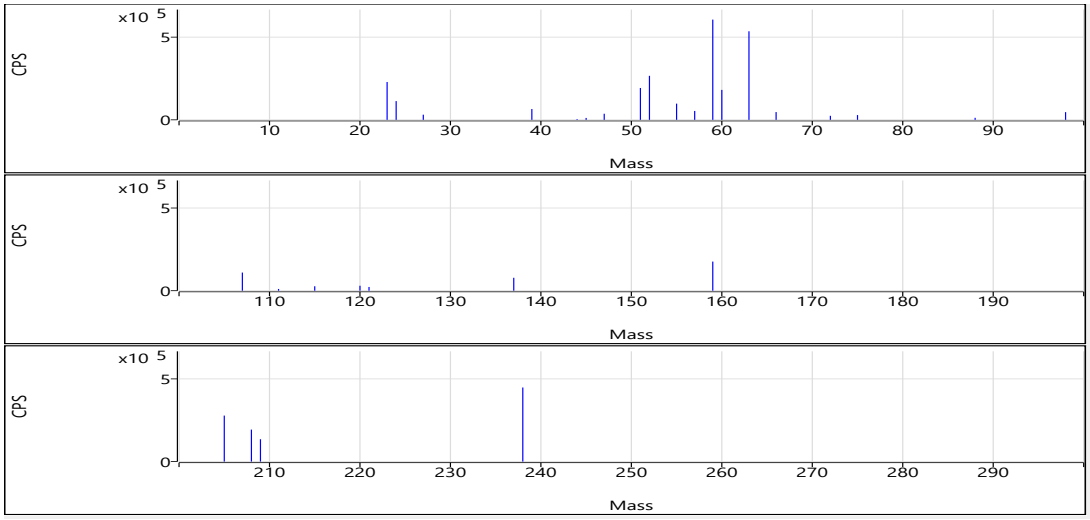


H2



Quantitation Report

He



Quantitation Report

Data File Name	153_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:28:05 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

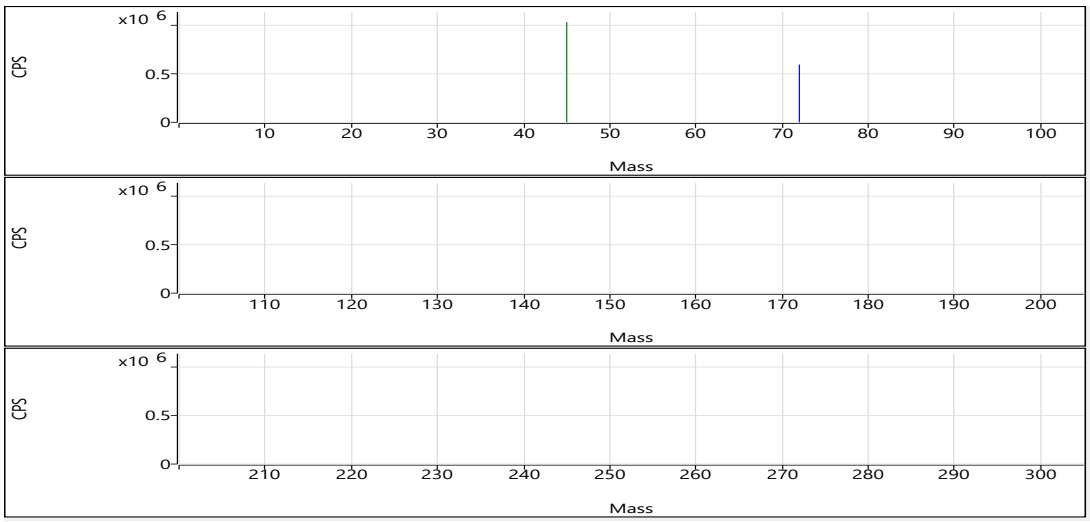
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.004	ug/L	N/A	23.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.075	ppb	N/A	0.22	0.0000	Pulse	1.5000	3
Na	23	72	He	27.288	ug/L	18.5	6975.28	0.2728	Pulse	0.1000	3
Mg	24	72	He	2.888	ug/L	106.7	230.01	0.0090	Pulse	0.1000	3
Al	27	72	He	-3.640	ug/L	N/A	23.33	0.0009	Pulse	0.1000	3
K	39	72	He	14.007	ppb	153.4	2230.26	0.0873	Pulse	0.1000	3
Ca	44	72	He	37.379	ppb	93.5	56.67	0.0022	Pulse	0.1000	3
Ti	47	159	He	0.007	ppb	10736.4	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.041	ppb	103.1	134.00	0.0052	Pulse	0.5000	3
Cr	52	45	He	-0.109	ppb	N/A	443.36	0.0392	Pulse	0.1000	3
Mn	55	45	He	0.262	ppb	18.5	103.33	0.0091	Pulse	0.1000	3
Fe	57	72	He	3.475	ppb	69.4	130.01	0.0051	Pulse	0.1000	3
Co	59	72	He	0.004	ppb	87.2	116.67	0.0046	Pulse	0.1000	3
Ni	60	72	He	0.068	ppb	6.0	180.01	0.0070	Pulse	0.1000	3
Cu	63	72	He	0.095	ppb	17.1	240.01	0.0094	Pulse	0.1000	3
Zn	66	72	He	-0.138	ppb	N/A	36.67	0.0014	Pulse	0.1000	3
As	75	45	He	0.015	ppb	541.8	11.33	0.0010	Pulse	0.5000	3
Sr	88	159	He	-0.297	ppb	N/A	283.34	0.0016	Pulse	0.1000	3
Mo	98	159	He	-0.007	ppb	N/A	53.33	0.0003	Pulse	0.1000	3
Ag	107	159	He	-0.001	ppb	N/A	26.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.006	ppb	N/A	2.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.253	ppb	N/A	1723.51	0.0098	Pulse	0.1000	3
Sb	121	159	He	0.000	ppb	8647.5	13.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	-1.490	ppb	N/A	616.71	0.0035	Pulse	0.1000	3
Tl	205	159	He	-0.023	ppb	N/A	113.34	0.0006	Pulse	0.1000	3
Pb	208	159	He	0.067	ppb	39.0	423.36	0.0024	Pulse	0.1000	3
U	238	209	He	0.003	ppb	226.7	196.68	0.0015	Pulse	0.1000	3

ISTD Table:

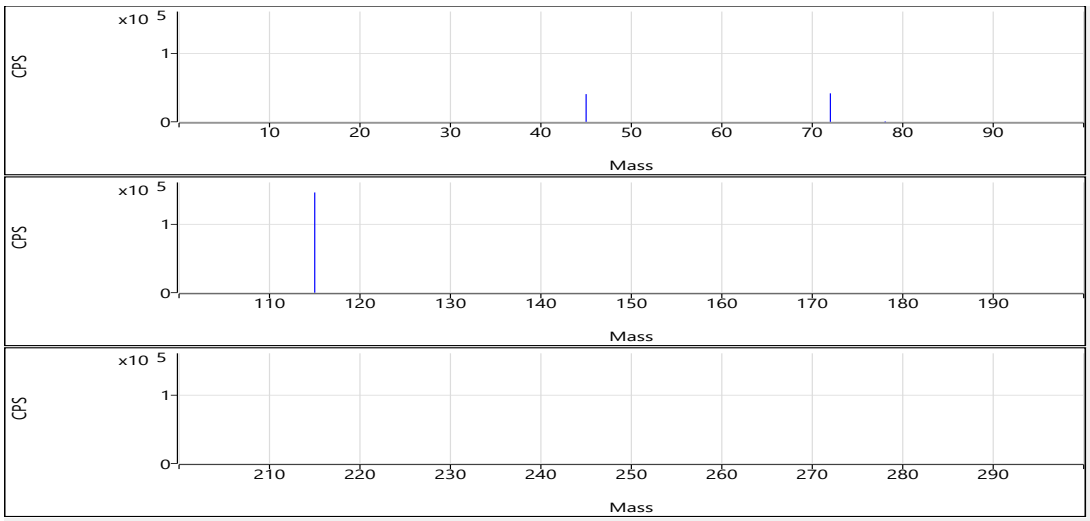
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1031644.72	0.4	98.7	Analog	0.1000	3
No Gas	Ge	72	594132.52	0.5	98.8	Pulse	0.1000	3
H2	Sc	45	40318.36	1.6	95.4	Pulse	0.1000	3
H2	Ge	72	41439.31	1.1	94.5	Pulse	0.1000	3
H2	In	115	145894.34	0.7	96.8	Pulse	0.1000	3
He	Sc	45	11261.55	6.2	98.6	Pulse	0.1000	3
He	Ge	72	25567.45	0.8	100.9	Pulse	0.1000	3
He	In	115	27007.65	3.2	98.9	Pulse	0.1000	3
He	Tb	159	175361.52	0.8	99.4	Pulse	0.1000	3
He	Bi	209	135873.04	2.2	100.7	Pulse	0.1000	3

No Gas

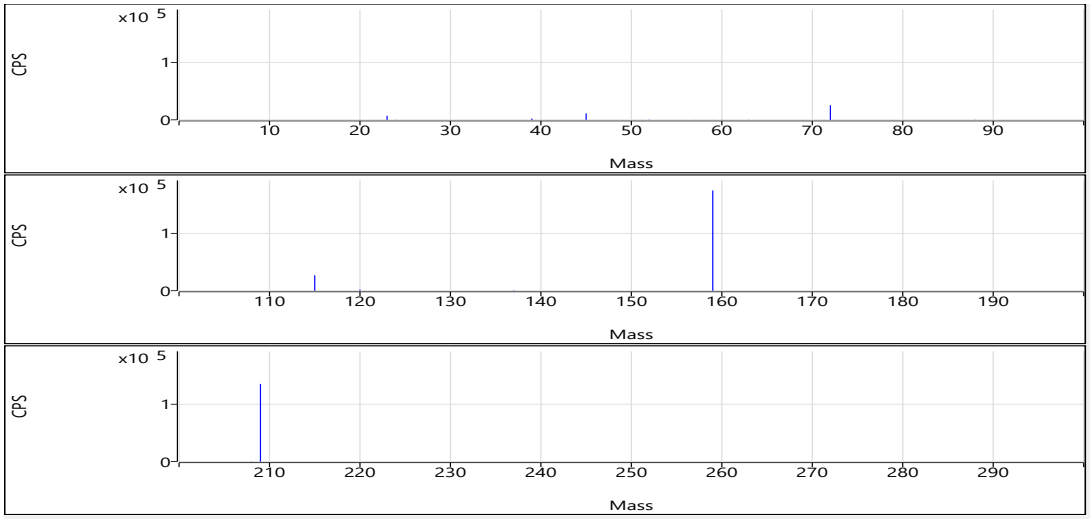


H2



Quantitation Report

He



Quantitation Report

Data File Name	154SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:32:24 PM
Sample Name	410-235858-I-19-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

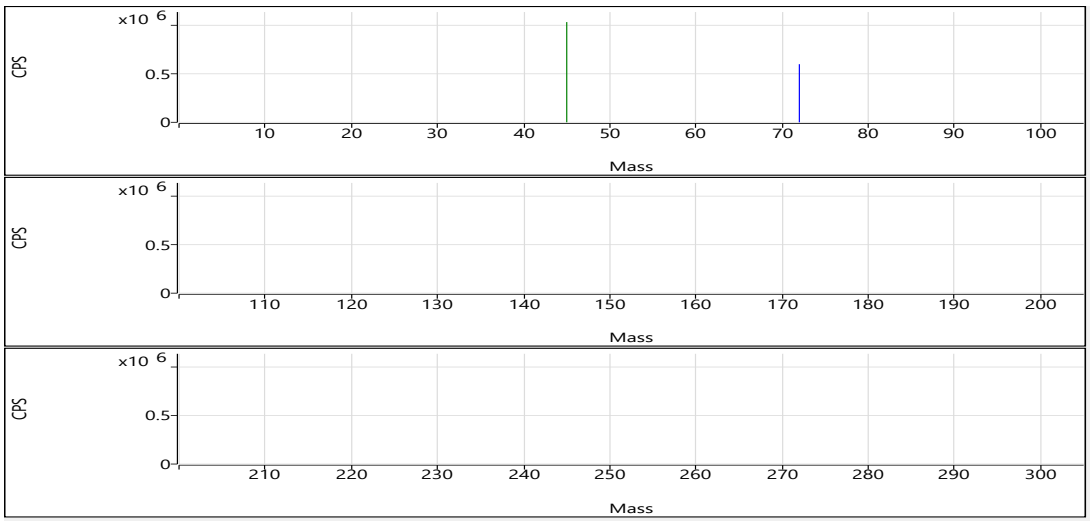
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.014	ug/L	N/A	18.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.236	ppb	52.4	8.00	0.0002	Pulse	1.5000	3
Na	23	72	He	23854.538	ug/L	0.7	1074318.11	43.5151	Analog	0.1000	3
Mg	24	72	He	86555.567	ug/L	0.5	1989648.04	80.5897	Analog	0.1000	3
Al	27	72	He	-1.429	ug/L	N/A	36.67	0.0015	Pulse	0.1000	3
K	39	72	He	34686.253	ppb	1.1	453846.66	18.3833	Pulse	0.1000	3
Ca	44	72	He	382686.574	ppb	1.0	329238.87	13.3360	Pulse	0.1000	3
Ti	47	159	He	-0.903	ppb	0.0	0.00	0.0000	Pulse	0.1000	3
V	51	72	He	0.064	ppb	83.4	138.67	0.0056	Pulse	0.5000	3
Cr	52	45	He	-0.021	ppb	N/A	480.03	0.0433	Pulse	0.1000	3
Mn	55	45	He	2908.923	ppb	1.8	562558.83	50.8993	Pulse	0.1000	3
Fe	57	72	He	157757.193	ppb	1.0	1725532.47	69.8936	Analog	0.1000	3
Co	59	72	He	1.304	ppb	10.6	1756.84	0.0711	Pulse	0.1000	3
Ni	60	72	He	0.168	ppb	135.1	210.01	0.0085	Pulse	0.1000	3
Cu	63	72	He	0.243	ppb	28.7	390.02	0.0158	Pulse	0.1000	3
Zn	66	72	He	2.207	ppb	29.6	260.01	0.0105	Pulse	0.1000	3
As	75	45	He	0.201	ppb	11.9	21.33	0.0019	Pulse	0.5000	3
Sr	88	159	He	777.418	ppb	1.7	182154.51	1.0637	Pulse	0.1000	3
Mo	98	159	He	0.076	ppb	29.0	126.67	0.0007	Pulse	0.1000	3
Ag	107	159	He	0.010	ppb	84.1	50.00	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.001	ppb	2636.6	3.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.483	ppb	N/A	1556.82	0.0091	Pulse	0.1000	3
Sb	121	159	He	0.016	ppb	142.0	20.00	0.0001	Pulse	0.1000	3
Ba	137	159	He	14.541	ppb	7.0	3043.81	0.0178	Pulse	0.1000	3
Tl	205	159	He	-0.026	ppb	N/A	96.67	0.0006	Pulse	0.1000	3
Pb	208	159	He	0.071	ppb	39.6	426.69	0.0025	Pulse	0.1000	3
U	238	209	He	0.267	ppb	6.5	2473.67	0.0190	Pulse	0.1000	3

ISTD Table:

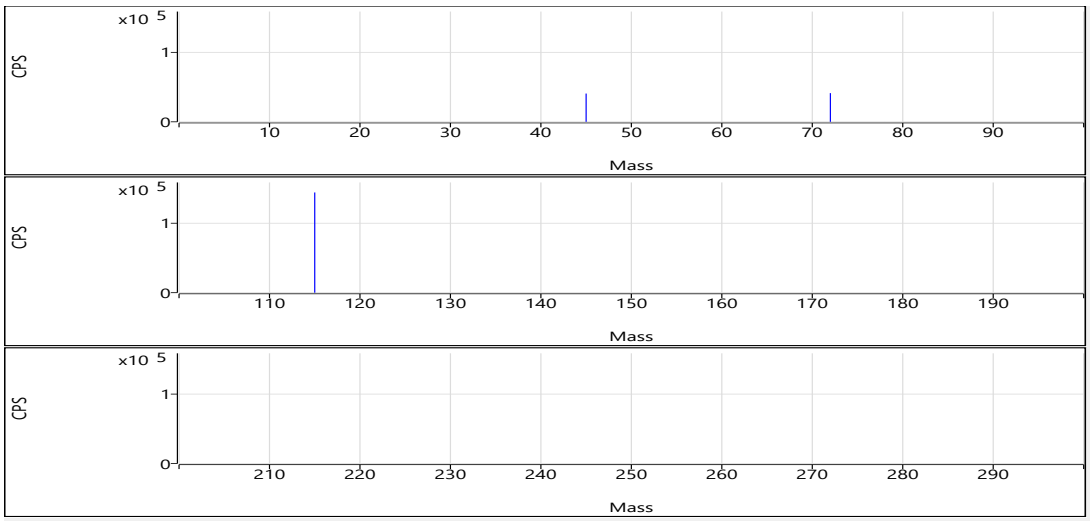
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1036390.53	0.1	99.1	Analog	0.1000	3
No Gas	Ge	72	600742.74	1.0	99.9	Pulse	0.1000	3
H2	Sc	45	40859.86	0.4	96.7	Pulse	0.1000	3
H2	Ge	72	41472.91	3.4	94.5	Pulse	0.1000	3
H2	In	115	144938.10	1.4	96.2	Pulse	0.1000	3
He	Sc	45	11054.75	1.8	96.8	Pulse	0.1000	3
He	Ge	72	24689.40	0.9	97.5	Pulse	0.1000	3
He	In	115	26196.16	3.9	96.0	Pulse	0.1000	3
He	Tb	159	171260.62	0.8	97.1	Pulse	0.1000	3
He	Bi	209	130260.76	1.4	96.6	Pulse	0.1000	3

No Gas

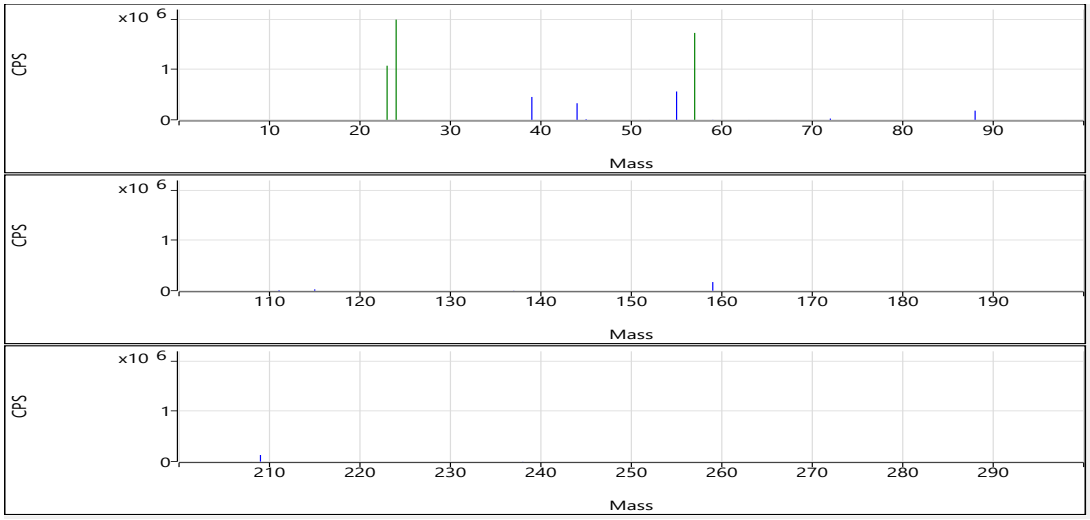


H2



Quantitation Report

He



Quantitation Report

Data File Name	154SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:34:50 PM
Sample Name	410-235858-I-19-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

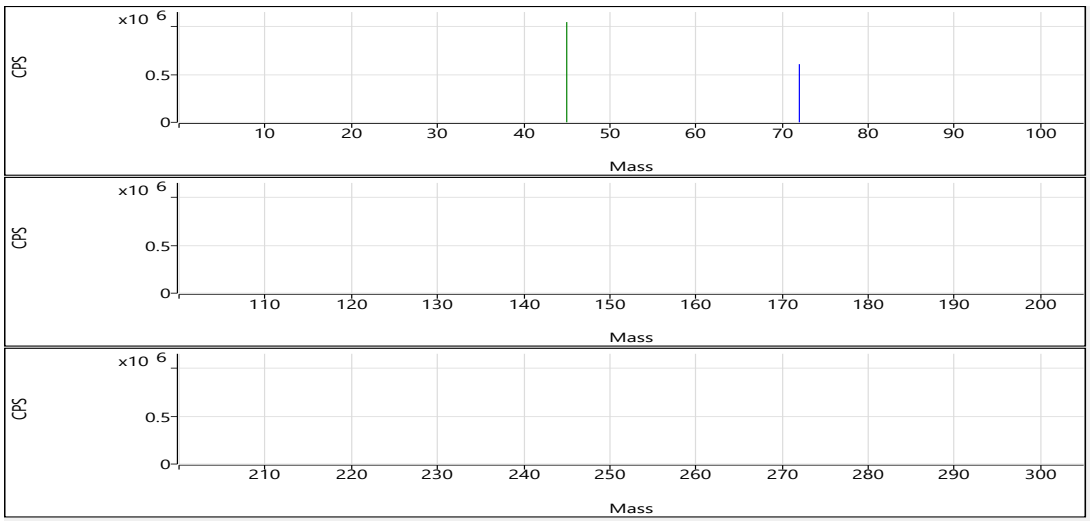
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.005	ug/L	1009.9	26.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.012	ppb	572.2	2.22	0.0001	Pulse	1.5000	3
Na	23	72	He	24475.757	ug/L	1.6	223703.44	9.1072	Pulse	0.1000	3
Mg	24	72	He	90100.168	ug/L	3.1	412152.79	16.7830	Pulse	0.1000	3
Al	27	72	He	-6.781	ug/L	N/A	36.67	0.0015	Pulse	0.1000	3
K	39	72	He	35953.718	ppb	2.8	95150.89	3.8743	Pulse	0.1000	3
Ca	44	72	He	399223.467	ppb	3.4	68345.83	2.7832	Pulse	0.1000	3
Ti	47	159	He	-2.234	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.171	ppb	194.5	126.00	0.0051	Pulse	0.5000	3
Cr	52	45	He	-1.101	ppb	N/A	386.69	0.0340	Pulse	0.1000	3
Mn	55	45	He	2978.325	ppb	4.4	118675.95	10.4264	Pulse	0.1000	3
Fe	57	72	He	167456.297	ppb	2.6	364488.77	14.8410	Pulse	0.1000	3
Co	59	72	He	1.804	ppb	10.3	560.03	0.0228	Pulse	0.1000	3
Ni	60	72	He	-0.167	ppb	N/A	136.68	0.0056	Pulse	0.1000	3
Cu	63	72	He	0.630	ppb	22.6	263.35	0.0107	Pulse	0.1000	3
Zn	66	72	He	2.895	ppb	41.0	103.33	0.0042	Pulse	0.1000	3
As	75	45	He	0.593	ppb	24.5	17.33	0.0015	Pulse	0.5000	3
Sr	88	159	He	775.911	ppb	3.1	37612.27	0.2139	Pulse	0.1000	3
Mo	98	159	He	0.182	ppb	47.4	93.34	0.0005	Pulse	0.1000	3
Ag	107	159	He	0.053	ppb	88.1	53.33	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.000	ppb	21072.6	3.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-3.114	ppb	N/A	1520.15	0.0086	Pulse	0.1000	3
Sb	121	159	He	0.479	ppb	35.3	56.67	0.0003	Pulse	0.1000	3
Ba	137	159	He	7.535	ppb	24.4	1086.75	0.0062	Pulse	0.1000	3
Tl	205	159	He	-0.122	ppb	N/A	106.67	0.0006	Pulse	0.1000	3
Pb	208	159	He	0.254	ppb	30.6	360.02	0.0020	Pulse	0.1000	3
U	238	209	He	0.273	ppb	4.4	666.71	0.0049	Pulse	0.1000	3

ISTD Table:

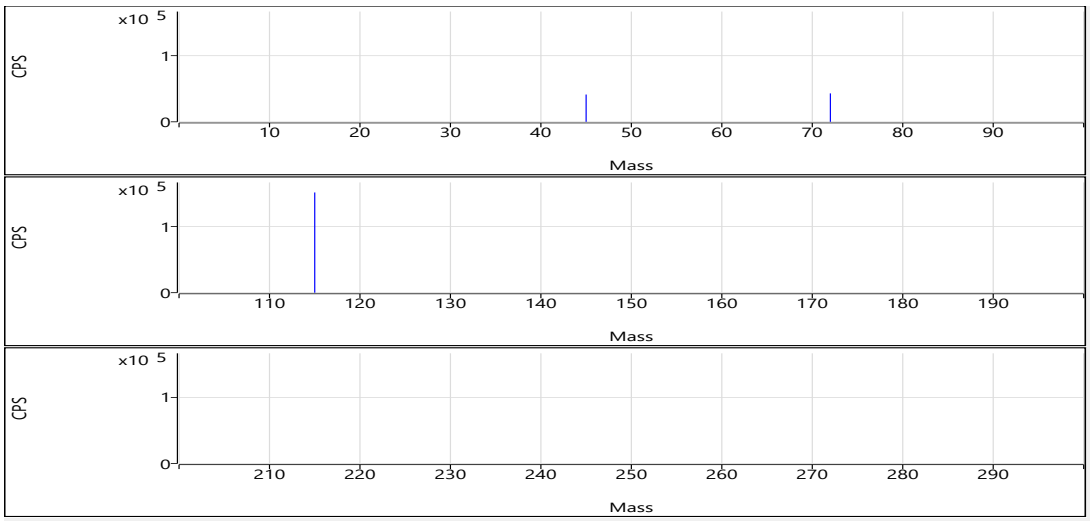
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1049363.48	0.6	100.4	Analog	0.1000	3
No Gas	Ge	72	608707.64	0.5	101.2	Pulse	0.1000	3
H2	Sc	45	40923.55	0.5	96.8	Pulse	0.1000	3
H2	Ge	72	42632.82	2.3	97.2	Pulse	0.1000	3
H2	In	115	150342.42	0.5	99.8	Pulse	0.1000	3
He	Sc	45	11398.30	4.8	99.8	Pulse	0.1000	3
He	Ge	72	24569.16	2.3	97.0	Pulse	0.1000	3
He	In	115	27188.31	1.3	99.6	Pulse	0.1000	3
He	Tb	159	175831.92	0.7	99.7	Pulse	0.1000	3
He	Bi	209	136454.85	2.5	101.2	Pulse	0.1000	3

No Gas

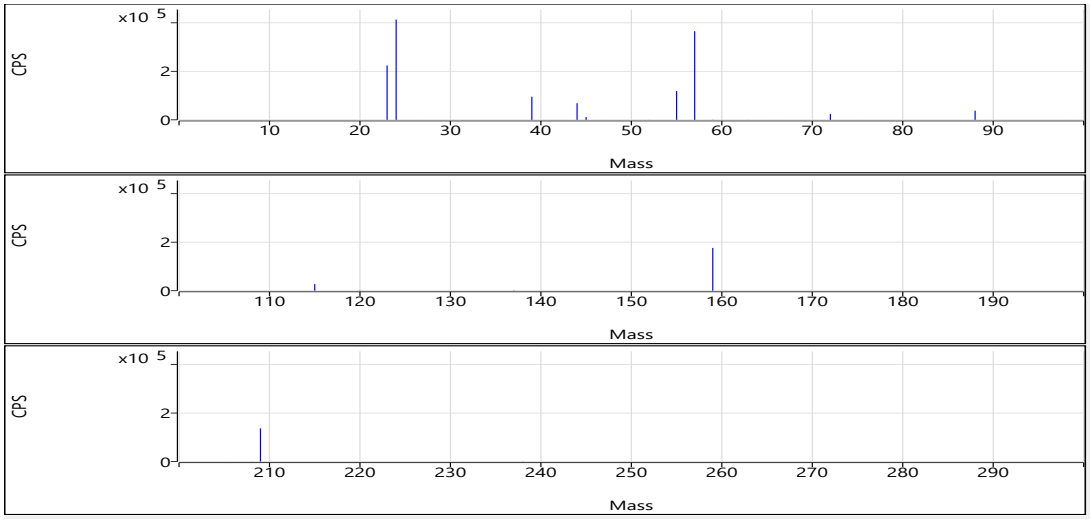


H2



Quantitation Report

He



Quantitation Report

Data File Name	155SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:36:43 PM
Sample Name	410-233143-B-2-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

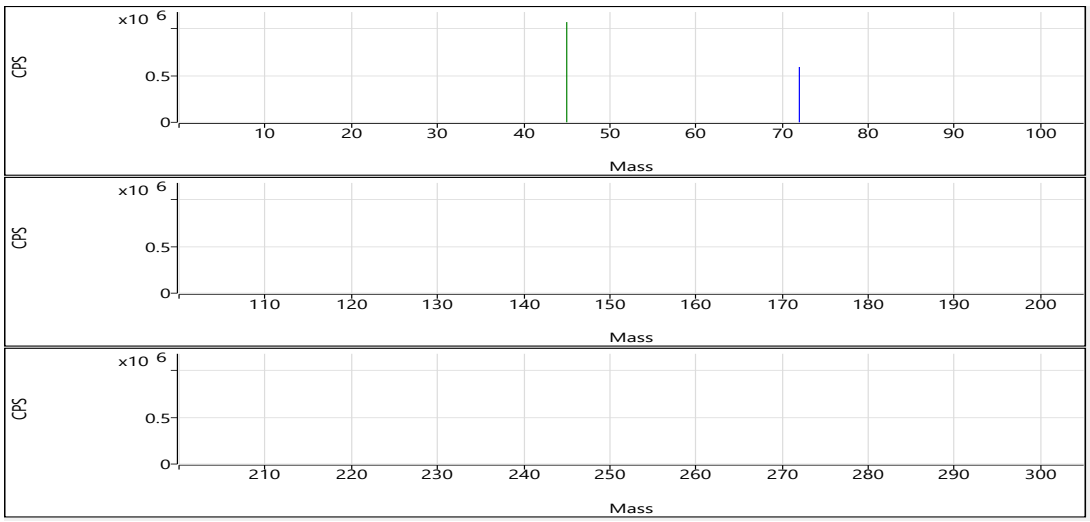
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.009	ug/L	N/A	22.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.049	ppb	N/A	0.89	0.0000	Pulse	1.5000	3
Na	23	72	He	88595.322	ug/L	2.3	3832868.07	161.0081	Analog	0.1000	3
Mg	24	72	He	33.304	ug/L	22.4	890.06	0.0373	Pulse	0.1000	3
Al	27	72	He	-1.763	ug/L	N/A	33.33	0.0014	Pulse	0.1000	3
K	39	72	He	29294.850	ppb	1.4	369971.27	15.5384	Pulse	0.1000	3
Ca	44	72	He	163.348	ppb	27.2	156.67	0.0066	Pulse	0.1000	3
Ti	47	159	He	-0.460	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.067	ppb	66.1	134.67	0.0057	Pulse	0.5000	3
Cr	52	45	He	-0.337	ppb	N/A	330.02	0.0286	Pulse	0.1000	3
Mn	55	45	He	1.658	ppb	2.2	390.02	0.0336	Pulse	0.1000	3
Fe	57	72	He	13.833	ppb	21.9	230.01	0.0097	Pulse	0.1000	3
Co	59	72	He	0.002	ppb	1258.4	106.67	0.0045	Pulse	0.1000	3
Ni	60	72	He	0.044	ppb	160.9	160.01	0.0067	Pulse	0.1000	3
Cu	63	72	He	0.422	ppb	7.2	560.03	0.0235	Pulse	0.1000	3
Zn	66	72	He	1.585	ppb	1.2	193.34	0.0081	Pulse	0.1000	3
As	75	45	He	0.719	ppb	13.7	52.67	0.0045	Pulse	0.5000	3
Sr	88	159	He	-0.158	ppb	N/A	320.02	0.0018	Pulse	0.1000	3
Mo	98	159	He	-0.004	ppb	N/A	56.67	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.001	ppb	170.0	33.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.010	ppb	N/A	1.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	0.235	ppb	321.1	2014.80	0.0114	Pulse	0.1000	3
Sb	121	159	He	0.000	ppb	N/A	13.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	-1.551	ppb	N/A	613.37	0.0035	Pulse	0.1000	3
Tl	205	159	He	-0.022	ppb	N/A	120.01	0.0007	Pulse	0.1000	3
Pb	208	159	He	0.061	ppb	8.7	403.35	0.0023	Pulse	0.1000	3
U	238	209	He	-0.002	ppb	N/A	150.01	0.0011	Pulse	0.1000	3

ISTD Table:

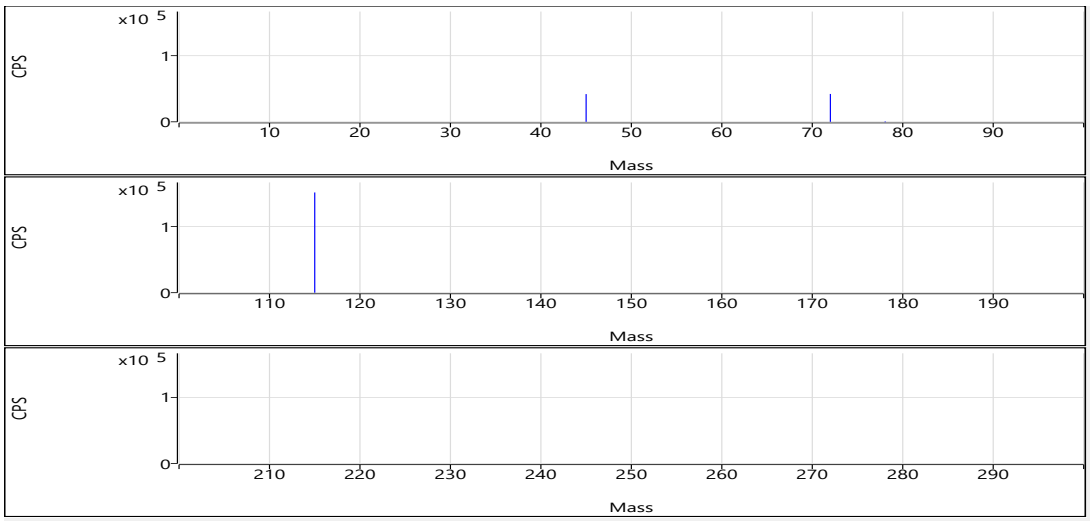
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1071971.75	0.2	102.5	Analog	0.1000	3
No Gas	Ge	72	591593.79	0.2	98.4	Pulse	0.1000	3
H2	Sc	45	41572.05	0.6	98.4	Pulse	0.1000	3
H2	Ge	72	41807.07	1.8	95.3	Pulse	0.1000	3
H2	In	115	150353.04	0.2	99.8	Pulse	0.1000	3
He	Sc	45	11615.13	4.3	101.7	Pulse	0.1000	3
He	Ge	72	23817.71	3.4	94.0	Pulse	0.1000	3
He	In	115	27705.86	2.7	101.5	Pulse	0.1000	3
He	Tb	159	177110.10	1.3	100.4	Pulse	0.1000	3
He	Bi	209	135657.26	1.3	100.6	Pulse	0.1000	3

No Gas

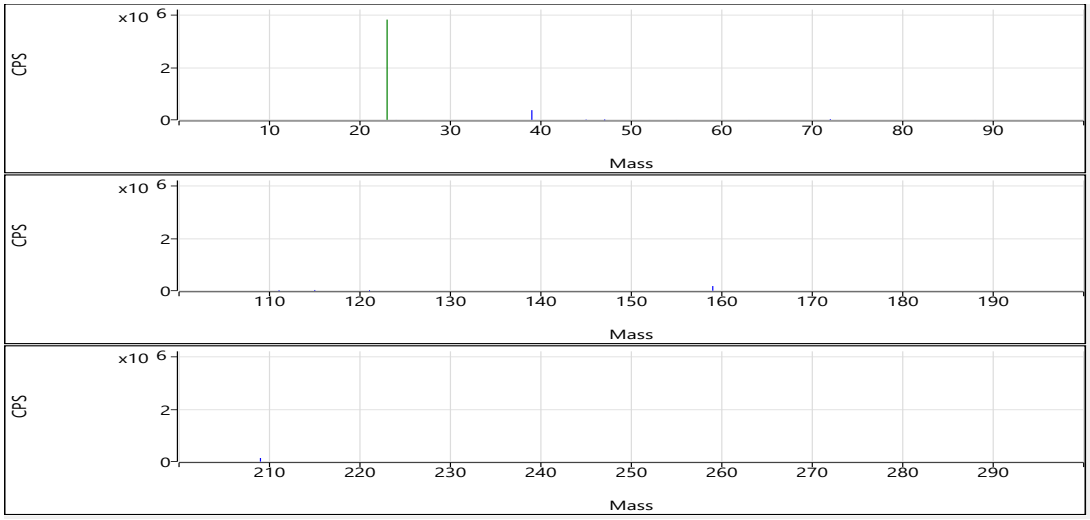


H2



Quantitation Report

He



Quantitation Report

Data File Name	156SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:38:43 PM
Sample Name	410-233143-B-3-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

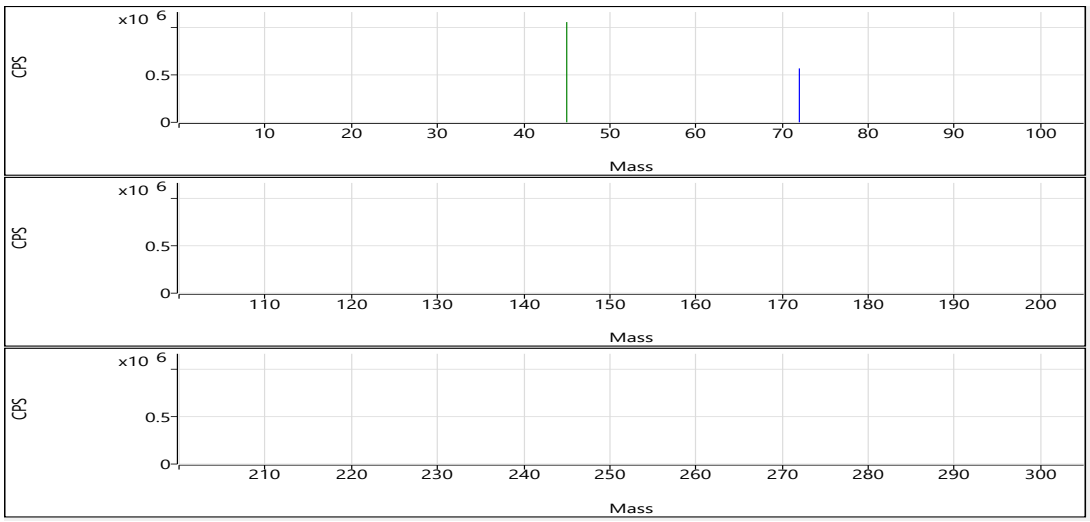
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.007	ug/L	N/A	22.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.047	ppb	N/A	0.89	0.0000	Pulse	1.5000	3
Na	23	72	He	121.581	ug/L	5.8	10387.43	0.4440	Pulse	0.1000	3
Mg	24	72	He	15187.178	ug/L	2.7	330974.42	14.1456	Pulse	0.1000	3
Al	27	72	He	8.286	ug/L	89.9	93.34	0.0040	Pulse	0.1000	3
K	39	72	He	21.758	ppb	67.0	2136.92	0.0914	Pulse	0.1000	3
Ca	44	72	He	57781.226	ppb	3.6	47129.37	2.0144	Pulse	0.1000	3
Ti	47	159	He	0.898	ppb	83.8	13.33	0.0001	Pulse	0.1000	3
V	51	72	He	0.105	ppb	17.8	146.67	0.0063	Pulse	0.5000	3
Cr	52	45	He	-0.241	ppb	N/A	383.35	0.0330	Pulse	0.1000	3
Mn	55	45	He	1.231	ppb	24.3	303.35	0.0261	Pulse	0.1000	3
Fe	57	72	He	34.041	ppb	7.7	436.69	0.0186	Pulse	0.1000	3
Co	59	72	He	0.077	ppb	51.8	193.34	0.0083	Pulse	0.1000	3
Ni	60	72	He	0.309	ppb	61.8	246.68	0.0106	Pulse	0.1000	3
Cu	63	72	He	0.209	ppb	31.3	333.35	0.0143	Pulse	0.1000	3
Zn	66	72	He	0.635	ppb	55.5	103.34	0.0044	Pulse	0.1000	3
As	75	45	He	0.070	ppb	147.1	14.67	0.0013	Pulse	0.5000	3
Sr	88	159	He	18.366	ppb	1.1	4774.34	0.0271	Pulse	0.1000	3
Mo	98	159	He	-0.018	ppb	N/A	43.33	0.0002	Pulse	0.1000	3
Ag	107	159	He	-0.003	ppb	N/A	23.33	0.0001	Pulse	0.1000	3
Cd	111	159	He	0.016	ppb	91.7	6.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.640	ppb	N/A	1513.48	0.0086	Pulse	0.1000	3
Sb	121	159	He	-0.007	ppb	N/A	10.00	0.0001	Pulse	0.1000	3
Ba	137	159	He	-0.206	ppb	N/A	820.06	0.0047	Pulse	0.1000	3
Tl	205	159	He	-0.023	ppb	N/A	116.67	0.0007	Pulse	0.1000	3
Pb	208	159	He	0.106	ppb	14.6	573.37	0.0033	Pulse	0.1000	3
U	238	209	He	0.000	ppb	1843.5	173.34	0.0013	Pulse	0.1000	3

ISTD Table:

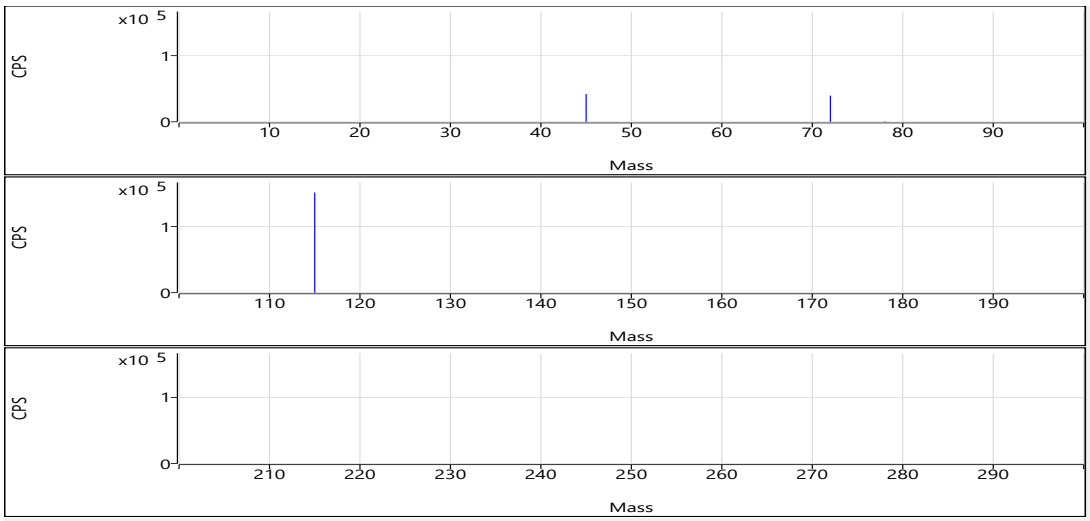
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1058067.40	0.6	101.2	Analog	0.1000	3
No Gas	Ge	72	568987.47	0.4	94.6	Pulse	0.1000	3
H2	Sc	45	42049.91	2.5	99.5	Pulse	0.1000	3
H2	Ge	72	39714.36	1.8	90.5	Pulse	0.1000	3
H2	In	115	151731.31	0.3	100.7	Pulse	0.1000	3
He	Sc	45	11595.19	1.8	101.5	Pulse	0.1000	3
He	Ge	72	23410.38	3.1	92.4	Pulse	0.1000	3
He	In	115	27051.22	1.8	99.1	Pulse	0.1000	3
He	Tb	159	176172.31	1.4	99.9	Pulse	0.1000	3
He	Bi	209	136037.04	0.7	100.9	Pulse	0.1000	3

No Gas

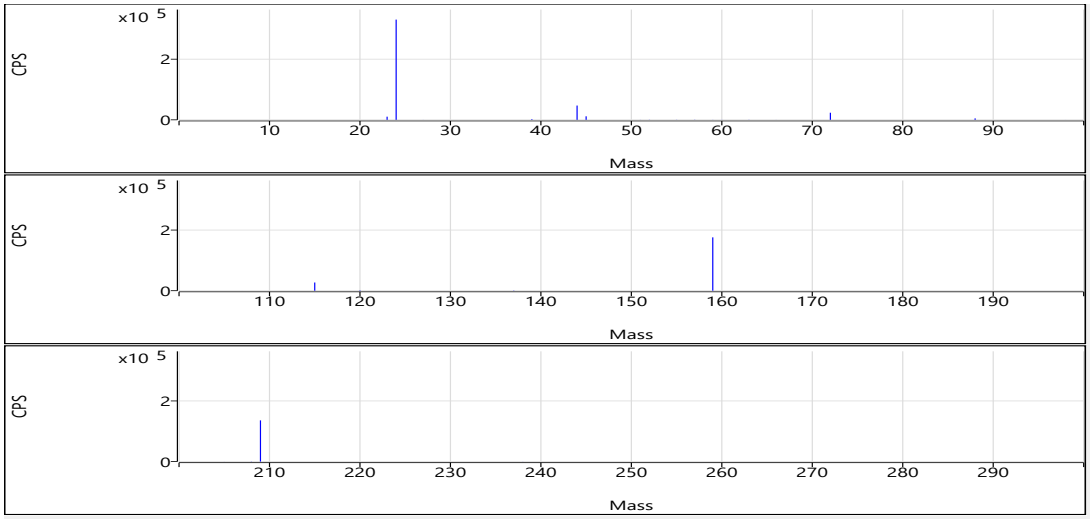


H2



Quantitation Report

He



Quantitation Report

Data File Name	157SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:40:44 PM
Sample Name	410-235858-L-9-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

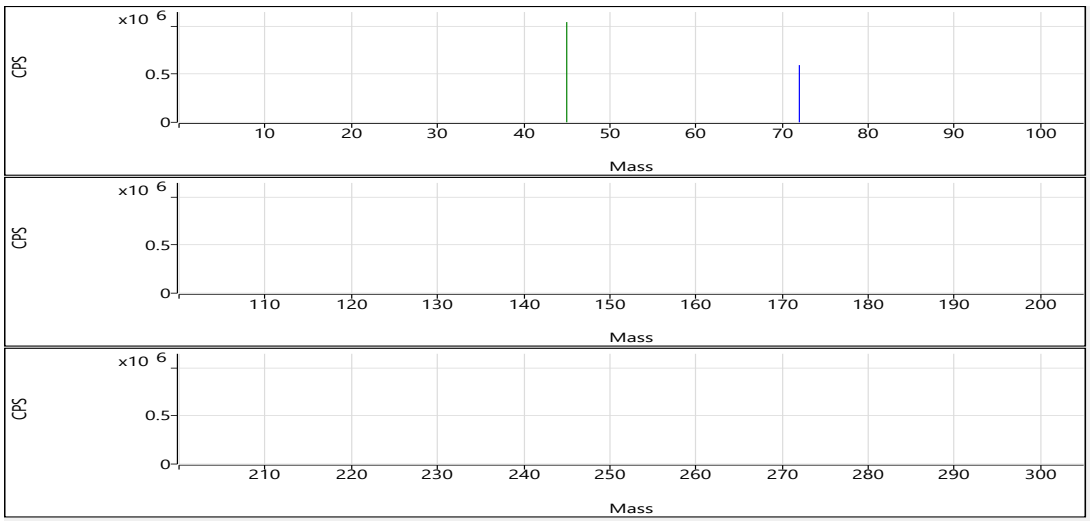
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.020	ug/L	N/A	15.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.158	ppb	20.5	6.00	0.0001	Pulse	1.5000	3
Na	23	72	He	23696.556	ug/L	1.3	1039121.81	43.2284	Analog	0.1000	3
Mg	24	72	He	106249.327	ug/L	1.6	2377865.59	98.9247	Analog	0.1000	3
Al	27	72	He	-1.817	ug/L	N/A	33.33	0.0014	Pulse	0.1000	3
K	39	72	He	34510.730	ppb	1.4	439663.82	18.2907	Pulse	0.1000	3
Ca	44	72	He	456767.817	ppb	1.4	382617.74	15.9174	Pulse	0.1000	3
Ti	47	159	He	0.010	ppb	7565.7	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.114	ppb	14.9	154.00	0.0064	Pulse	0.5000	3
Cr	52	45	He	-0.155	ppb	N/A	393.35	0.0371	Pulse	0.1000	3
Mn	55	45	He	3615.322	ppb	2.1	672660.64	63.2585	Pulse	0.1000	3
Fe	57	72	He	35472.008	ppb	0.7	377864.59	15.7185	Pulse	0.1000	3
Co	59	72	He	3.594	ppb	2.5	4527.55	0.1884	Pulse	0.1000	3
Ni	60	72	He	1.221	ppb	23.8	573.37	0.0239	Pulse	0.1000	3
Cu	63	72	He	0.247	ppb	20.9	383.35	0.0159	Pulse	0.1000	3
Zn	66	72	He	1.207	ppb	16.6	160.01	0.0067	Pulse	0.1000	3
As	75	45	He	0.230	ppb	62.8	22.00	0.0021	Pulse	0.5000	3
Sr	88	159	He	1054.630	ppb	2.2	249200.93	1.4422	Pulse	0.1000	3
Mo	98	159	He	0.005	ppb	332.4	63.33	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.016	ppb	43.2	63.33	0.0004	Pulse	0.1000	3
Cd	111	159	He	0.010	ppb	109.6	5.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.606	ppb	N/A	1503.48	0.0087	Pulse	0.1000	3
Sb	121	159	He	0.008	ppb	318.6	16.67	0.0001	Pulse	0.1000	3
Ba	137	159	He	25.731	ppb	8.1	4791.04	0.0277	Pulse	0.1000	3
Tl	205	159	He	-0.020	ppb	N/A	126.67	0.0007	Pulse	0.1000	3
Pb	208	159	He	0.071	ppb	27.5	430.02	0.0025	Pulse	0.1000	3
U	238	209	He	0.060	ppb	8.4	683.38	0.0053	Pulse	0.1000	3

ISTD Table:

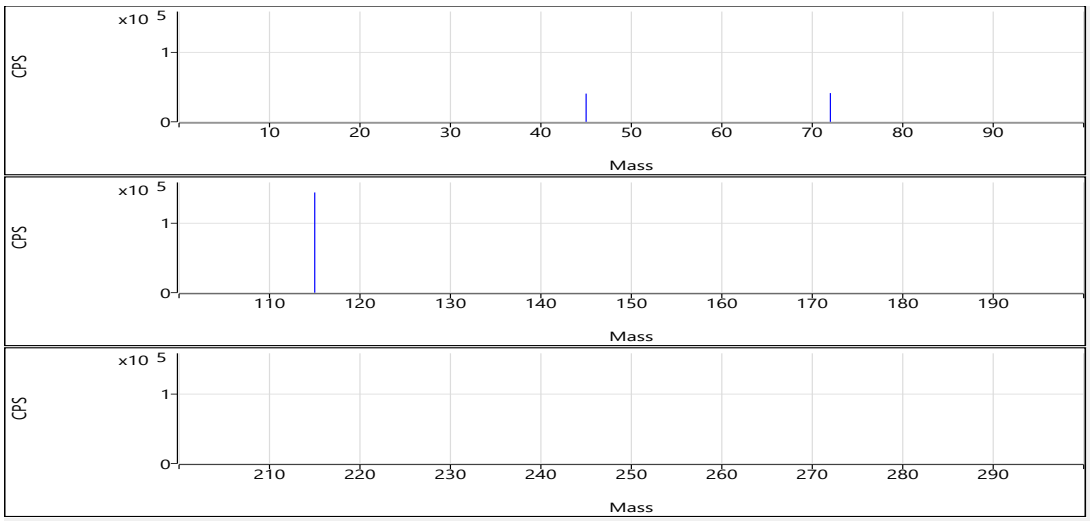
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1044558.66	0.1	99.9	Analog	0.1000	3
No Gas	Ge	72	596050.97	0.1	99.1	Pulse	0.1000	3
H2	Sc	45	40502.07	1.9	95.8	Pulse	0.1000	3
H2	Ge	72	41238.69	2.3	94.0	Pulse	0.1000	3
H2	In	115	143965.64	0.6	95.5	Pulse	0.1000	3
He	Sc	45	10637.64	2.9	93.1	Pulse	0.1000	3
He	Ge	72	24041.42	1.7	94.9	Pulse	0.1000	3
He	In	115	26002.42	2.4	95.3	Pulse	0.1000	3
He	Tb	159	172823.73	1.5	98.0	Pulse	0.1000	3
He	Bi	209	129678.71	2.8	96.2	Pulse	0.1000	3

No Gas

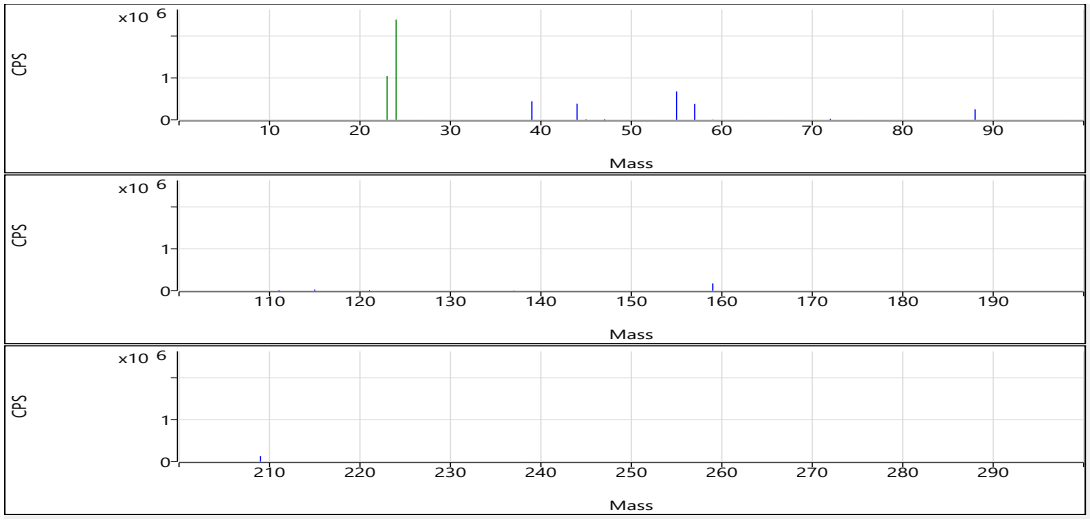


H2



Quantitation Report

He



Quantitation Report

Data File Name	157SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:43:10 PM
Sample Name	410-235858-L-9-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

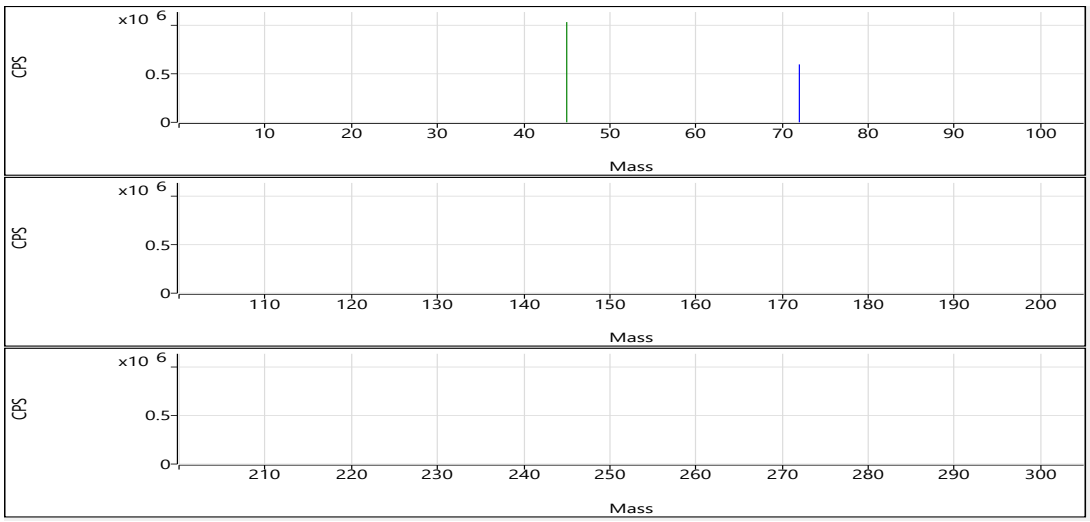
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.087	ug/L	N/A	16.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.154	ppb	N/A	1.33	0.0000	Pulse	1.5000	3
Na	23	72	He	22717.212	ug/L	0.2	213083.03	8.4689	Pulse	0.1000	3
Mg	24	72	He	105271.202	ug/L	1.9	493244.28	19.6079	Pulse	0.1000	3
Al	27	72	He	-12.764	ug/L	N/A	30.00	0.0012	Pulse	0.1000	3
K	39	72	He	33338.071	ppb	1.4	90524.53	3.5983	Pulse	0.1000	3
Ca	44	72	He	444519.446	ppb	0.4	77965.21	3.0989	Pulse	0.1000	3
Ti	47	159	He	-2.224	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.246	ppb	180.8	135.33	0.0054	Pulse	0.5000	3
Cr	52	45	He	-0.626	ppb	N/A	426.69	0.0384	Pulse	0.1000	3
Mn	55	45	He	3644.801	ppb	1.6	141585.35	12.7585	Pulse	0.1000	3
Fe	57	72	He	35827.167	ppb	1.4	79948.17	3.1780	Pulse	0.1000	3
Co	59	72	He	3.608	ppb	13.3	1040.08	0.0413	Pulse	0.1000	3
Ni	60	72	He	1.509	ppb	49.5	263.35	0.0105	Pulse	0.1000	3
Cu	63	72	He	0.619	ppb	44.0	266.68	0.0106	Pulse	0.1000	3
Zn	66	72	He	1.056	ppb	148.2	70.00	0.0028	Pulse	0.1000	3
As	75	45	He	-0.079	ppb	N/A	9.33	0.0008	Pulse	0.5000	3
Sr	88	159	He	1064.448	ppb	1.9	51678.07	0.2927	Pulse	0.1000	3
Mo	98	159	He	-0.091	ppb	N/A	43.33	0.0002	Pulse	0.1000	3
Ag	107	159	He	0.030	ppb	113.7	43.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.017	ppb	580.1	4.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-5.116	ppb	N/A	1300.12	0.0074	Pulse	0.1000	3
Sb	121	159	He	0.623	ppb	17.6	70.00	0.0004	Pulse	0.1000	3
Ba	137	159	He	16.043	ppb	41.5	1356.79	0.0077	Pulse	0.1000	3
Tl	205	159	He	-0.113	ppb	N/A	116.67	0.0007	Pulse	0.1000	3
Pb	208	159	He	0.261	ppb	27.1	366.69	0.0021	Pulse	0.1000	3
U	238	209	He	0.064	ppb	21.4	290.02	0.0021	Pulse	0.1000	3

ISTD Table:

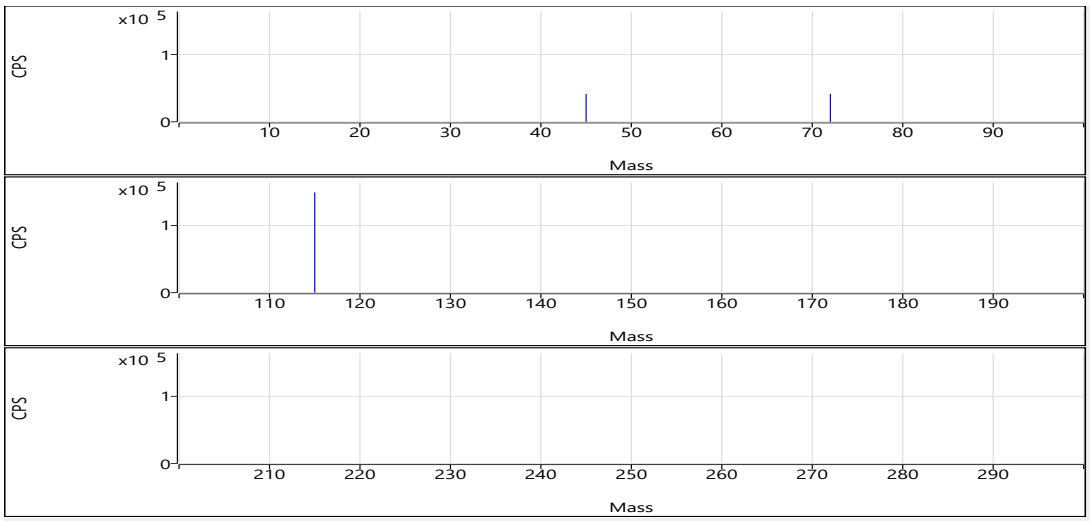
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1034805.84	0.5	99.0	Analog	0.1000	3
No Gas	Ge	72	597828.77	0.1	99.4	Pulse	0.1000	3
H2	Sc	45	41398.08	1.4	97.9	Pulse	0.1000	3
H2	Ge	72	41526.49	2.3	94.7	Pulse	0.1000	3
H2	In	115	148794.16	1.6	98.7	Pulse	0.1000	3
He	Sc	45	11098.08	1.1	97.2	Pulse	0.1000	3
He	Ge	72	25160.18	1.5	99.3	Pulse	0.1000	3
He	In	115	26787.33	0.9	98.1	Pulse	0.1000	3
He	Tb	159	176550.43	1.4	100.1	Pulse	0.1000	3
He	Bi	209	137631.00	2.5	102.1	Pulse	0.1000	3

No Gas

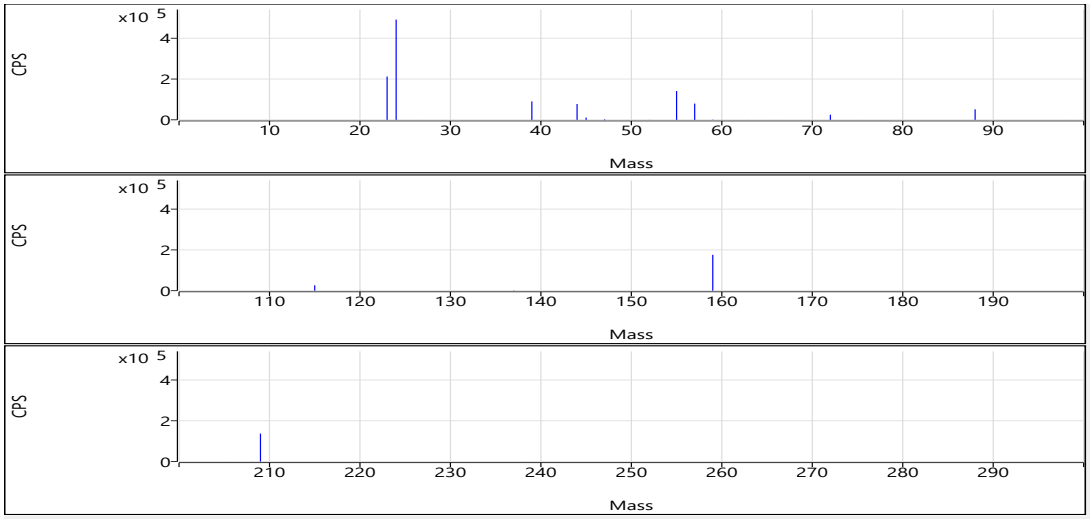


H2



Quantitation Report

He



Quantitation Report

Data File Name	158SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:45:04 PM
Sample Name	410-235858-N-9-A DU
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

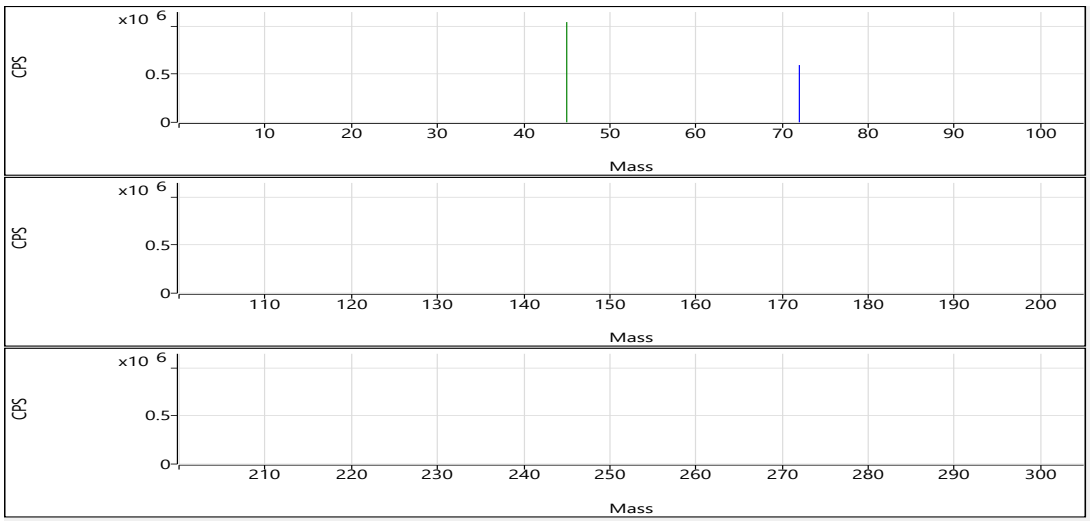
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.014	ug/L	N/A	18.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.079	ppb	34.8	4.00	0.0001	Pulse	1.5000	3
Na	23	72	He	23818.744	ug/L	1.2	1070296.18	43.4501	Analog	0.1000	3
Mg	24	72	He	107181.772	ug/L	1.4	2458113.97	99.7928	Analog	0.1000	3
Al	27	72	He	-2.496	ug/L	N/A	30.00	0.0012	Pulse	0.1000	3
K	39	72	He	34693.395	ppb	2.1	452896.89	18.3871	Pulse	0.1000	3
Ca	44	72	He	460712.425	ppb	1.5	395470.13	16.0548	Pulse	0.1000	3
Ti	47	159	He	-0.443	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.094	ppb	91.0	150.00	0.0061	Pulse	0.5000	3
Cr	52	45	He	-0.100	ppb	N/A	423.36	0.0396	Pulse	0.1000	3
Mn	55	45	He	3722.862	ppb	2.5	695940.15	65.1400	Pulse	0.1000	3
Fe	57	72	He	36086.488	ppb	0.9	393908.95	15.9907	Pulse	0.1000	3
Co	59	72	He	3.572	ppb	2.8	4610.91	0.1872	Pulse	0.1000	3
Ni	60	72	He	1.206	ppb	8.5	583.37	0.0237	Pulse	0.1000	3
Cu	63	72	He	0.170	ppb	17.3	310.01	0.0126	Pulse	0.1000	3
Zn	66	72	He	0.923	ppb	56.9	136.67	0.0056	Pulse	0.1000	3
As	75	45	He	0.101	ppb	80.4	15.33	0.0014	Pulse	0.5000	3
Sr	88	159	He	1095.540	ppb	0.5	259041.96	1.4981	Pulse	0.1000	3
Mo	98	159	He	0.020	ppb	86.5	76.67	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.003	ppb	159.7	36.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.009	ppb	N/A	1.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.414	ppb	N/A	1610.16	0.0093	Pulse	0.1000	3
Sb	121	159	He	0.001	ppb	3934.1	13.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	27.657	ppb	5.6	5091.16	0.0294	Pulse	0.1000	3
Tl	205	159	He	-0.018	ppb	N/A	140.01	0.0008	Pulse	0.1000	3
Pb	208	159	He	0.068	ppb	3.3	420.02	0.0024	Pulse	0.1000	3
U	238	209	He	0.059	ppb	20.3	673.38	0.0052	Pulse	0.1000	3

ISTD Table:

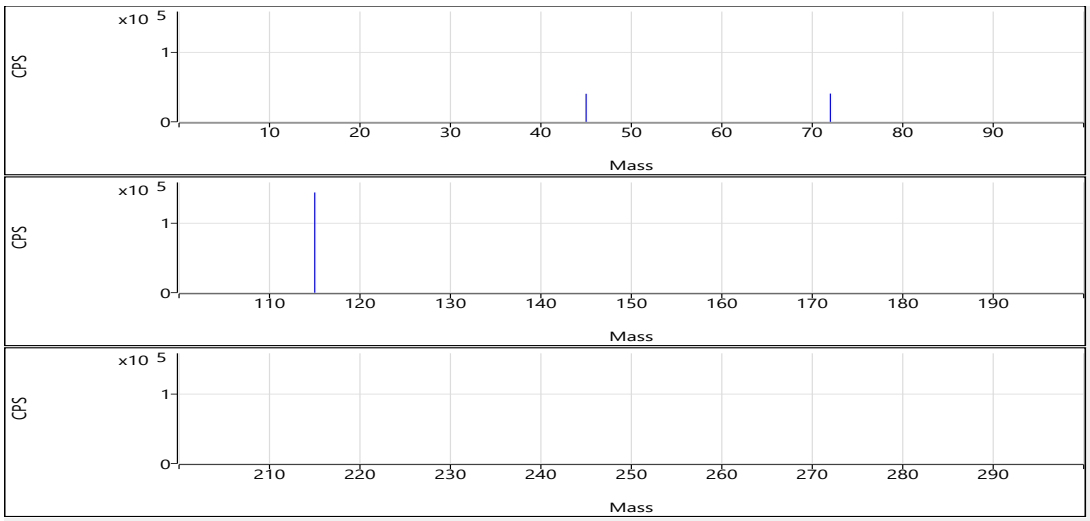
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1041415.01	0.3	99.6	Analog	0.1000	3
No Gas	Ge	72	594728.37	0.9	98.9	Pulse	0.1000	3
H2	Sc	45	40485.54	1.6	95.8	Pulse	0.1000	3
H2	Ge	72	40757.52	1.1	92.9	Pulse	0.1000	3
H2	In	115	144692.42	0.9	96.0	Pulse	0.1000	3
He	Sc	45	10687.71	2.2	93.6	Pulse	0.1000	3
He	Ge	72	24635.81	1.6	97.3	Pulse	0.1000	3
He	In	115	26466.85	2.4	97.0	Pulse	0.1000	3
He	Tb	159	172916.01	0.5	98.0	Pulse	0.1000	3
He	Bi	209	130107.50	0.8	96.5	Pulse	0.1000	3

No Gas

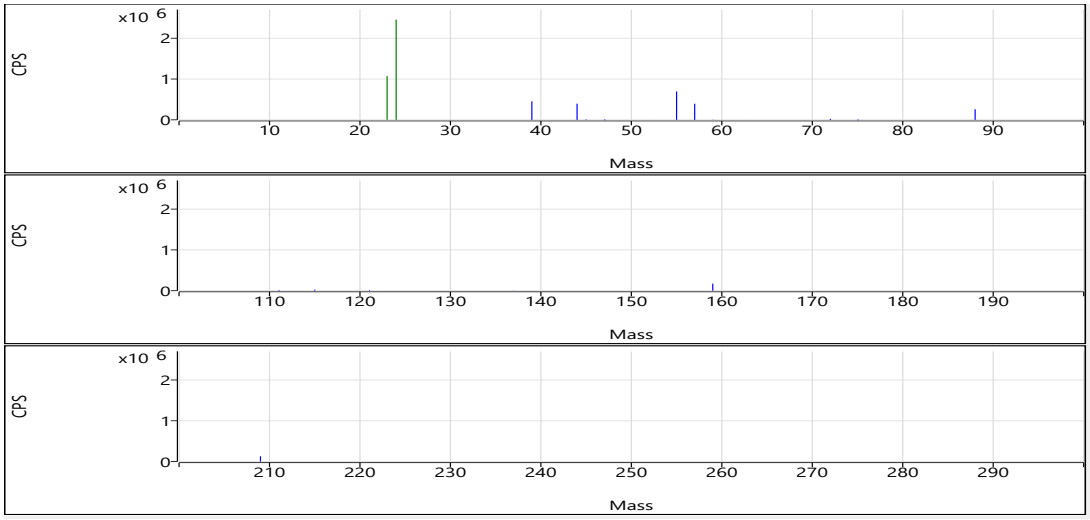


H2



Quantitation Report

He



Quantitation Report

Data File Name	158SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:47:30 PM
Sample Name	410-235858-N-9-A DU
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

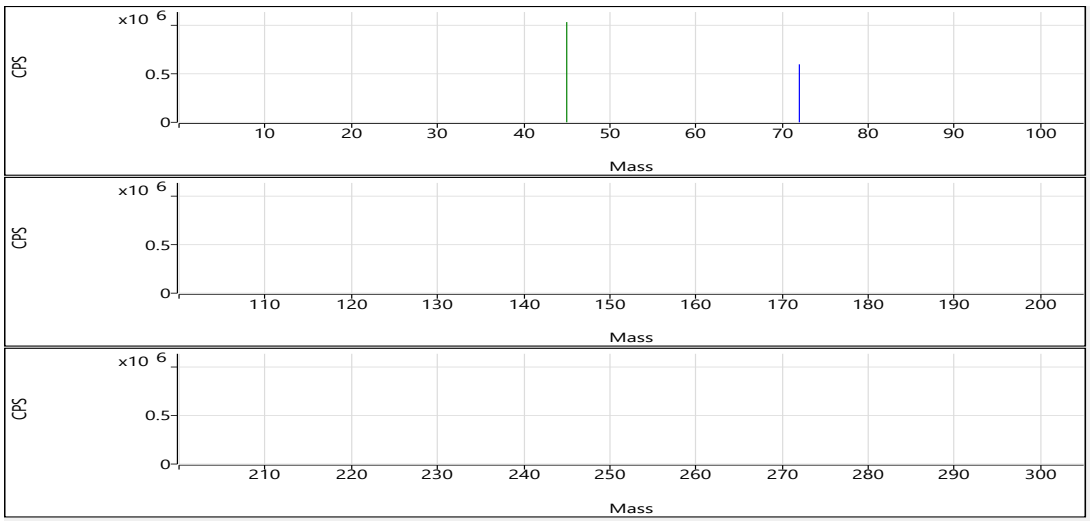
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.060	ug/L	N/A	19.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.111	ppb	127.3	2.67	0.0001	Pulse	1.5000	3
Na	23	72	He	23806.759	ug/L	1.7	218796.55	8.8643	Pulse	0.1000	3
Mg	24	72	He	109299.054	ug/L	1.4	502496.84	20.3578	Pulse	0.1000	3
Al	27	72	He	8.862	ug/L	207.1	56.67	0.0023	Pulse	0.1000	3
K	39	72	He	35361.319	ppb	2.4	94088.60	3.8118	Pulse	0.1000	3
Ca	44	72	He	469390.070	ppb	1.1	80770.27	3.2722	Pulse	0.1000	3
Ti	47	159	He	0.039	ppb	10240.8	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.367	ppb	81.4	142.00	0.0058	Pulse	0.5000	3
Cr	52	45	He	-0.435	ppb	N/A	450.02	0.0402	Pulse	0.1000	3
Mn	55	45	He	3671.682	ppb	0.8	143834.54	12.8526	Pulse	0.1000	3
Fe	57	72	He	36864.710	ppb	4.7	80692.38	3.2699	Pulse	0.1000	3
Co	59	72	He	4.179	ppb	12.9	1163.42	0.0471	Pulse	0.1000	3
Ni	60	72	He	1.211	ppb	36.1	236.68	0.0096	Pulse	0.1000	3
Cu	63	72	He	0.484	ppb	27.1	233.34	0.0094	Pulse	0.1000	3
Zn	66	72	He	2.000	ppb	135.1	86.67	0.0035	Pulse	0.1000	3
As	75	45	He	0.093	ppb	236.1	11.33	0.0010	Pulse	0.5000	3
Sr	88	159	He	1103.361	ppb	2.6	53270.31	0.3034	Pulse	0.1000	3
Mo	98	159	He	-0.017	ppb	N/A	56.67	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.023	ppb	262.2	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.048	ppb	151.1	5.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-3.307	ppb	N/A	1496.81	0.0085	Pulse	0.1000	3
Sb	121	159	He	0.442	ppb	56.5	53.33	0.0003	Pulse	0.1000	3
Ba	137	159	He	17.290	ppb	9.8	1390.14	0.0079	Pulse	0.1000	3
Tl	205	159	He	-0.134	ppb	N/A	93.33	0.0005	Pulse	0.1000	3
Pb	208	159	He	0.341	ppb	18.0	426.69	0.0024	Pulse	0.1000	3
U	238	209	He	0.032	ppb	23.6	233.34	0.0017	Pulse	0.1000	3

ISTD Table:

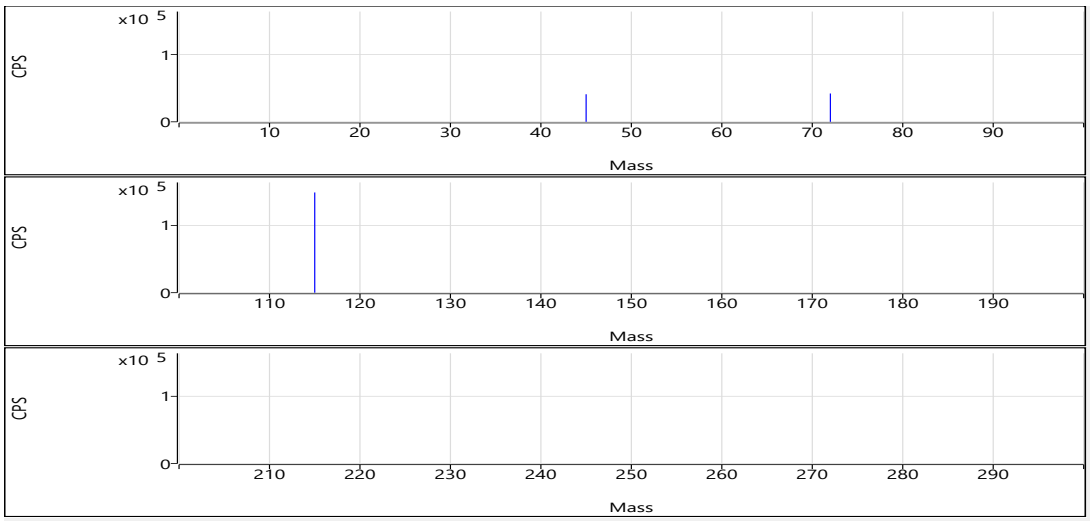
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1030948.21	0.8	98.6	Analog	0.1000	3
No Gas	Ge	72	596359.52	0.6	99.2	Pulse	0.1000	3
H2	Sc	45	40649.44	1.3	96.2	Pulse	0.1000	3
H2	Ge	72	41780.40	1.9	95.2	Pulse	0.1000	3
H2	In	115	147860.00	0.5	98.1	Pulse	0.1000	3
He	Sc	45	11191.43	1.4	98.0	Pulse	0.1000	3
He	Ge	72	24685.83	1.1	97.5	Pulse	0.1000	3
He	In	115	26910.68	1.2	98.6	Pulse	0.1000	3
He	Tb	159	175620.66	1.0	99.6	Pulse	0.1000	3
He	Bi	209	138598.17	0.9	102.8	Pulse	0.1000	3

No Gas

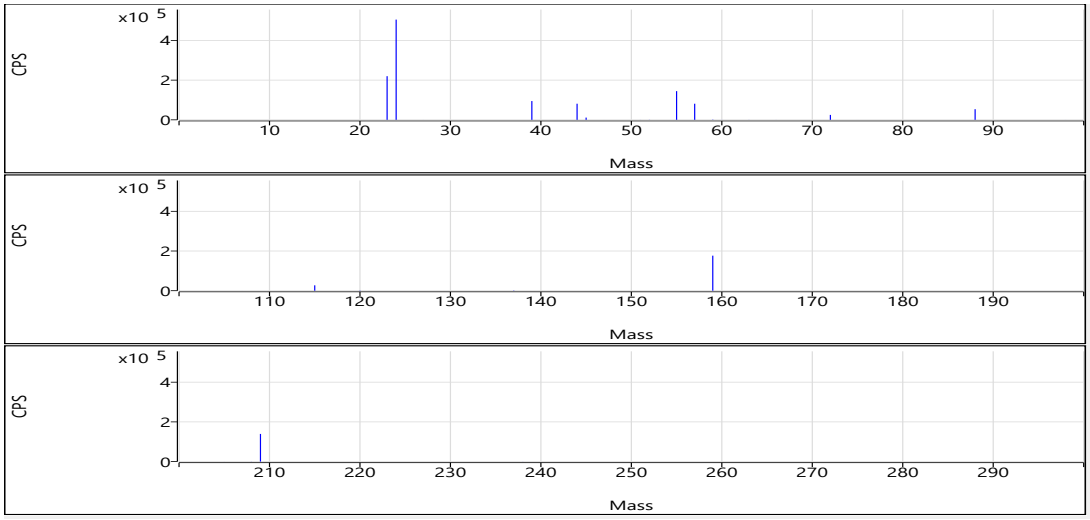


H2



Quantitation Report

He



Quantitation Report

Data File Name	159SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:49:24 PM
Sample Name	410-235858-L-9-B MS
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

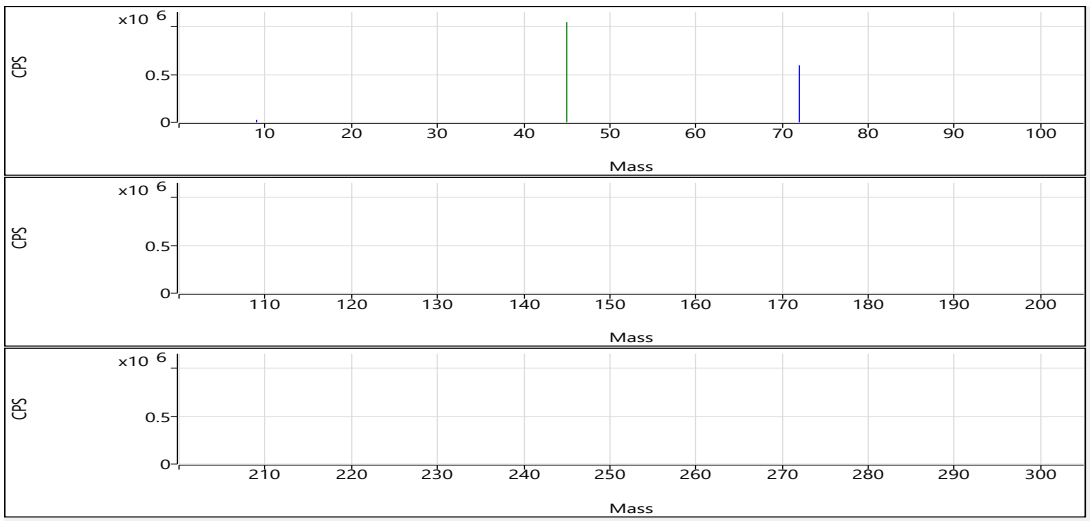
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.833	ug/L	0.6	25254.61	0.0241	Pulse	0.5000	3
Se	78	72	H2	105.327	ppb	3.7	2598.91	0.0636	Pulse	1.5000	3
Na	23	72	He	28562.609	ug/L	1.1	1274887.20	52.0594	Analog	0.1000	3
Mg	24	72	He	111214.648	ug/L	0.9	2535837.30	103.5474	Analog	0.1000	3
Al	27	72	He	4966.685	ug/L	2.3	30990.93	1.2657	Pulse	0.1000	3
K	39	72	He	39298.934	ppb	1.7	509775.85	20.8174	Pulse	0.1000	3
Ca	44	72	He	461762.719	ppb	0.8	394080.45	16.0914	Pulse	0.1000	3
Ti	47	159	He	535.445	ppb	2.5	3907.35	0.0225	Pulse	0.1000	3
V	51	72	He	502.891	ppb	1.7	193545.61	7.9039	Pulse	0.5000	3
Cr	52	45	He	499.141	ppb	2.6	264405.47	23.3162	Pulse	0.1000	3
Mn	55	45	He	3955.944	ppb	2.6	784935.98	69.2180	Pulse	0.1000	3
Fe	57	72	He	40560.738	ppb	1.4	440129.11	17.9729	Pulse	0.1000	3
Co	59	72	He	474.845	ppb	1.9	595420.98	24.3160	Pulse	0.1000	3
Ni	60	72	He	489.607	ppb	1.9	175242.01	7.1566	Pulse	0.1000	3
Cu	63	72	He	490.242	ppb	2.1	519828.84	21.2295	Pulse	0.1000	3
Zn	66	72	He	483.418	ppb	0.7	45963.45	1.8767	Pulse	0.1000	3
As	75	45	He	520.017	ppb	2.8	29711.03	2.6201	Pulse	0.5000	3
Sr	88	159	He	1132.112	ppb	1.9	269313.19	1.5480	Pulse	0.1000	3
Mo	98	159	He	51.880	ppb	3.1	47279.46	0.2718	Pulse	0.1000	3
Ag	107	159	He	48.741	ppb	0.9	105652.51	0.6073	Pulse	0.1000	3
Cd	111	159	He	49.079	ppb	2.7	10203.88	0.0587	Pulse	0.5000	3
Sn	120	159	He	101.456	ppb	2.3	58397.15	0.3357	Pulse	0.1000	3
Sb	121	159	He	98.996	ppb	3.3	44394.13	0.2552	Pulse	0.1000	3
Ba	137	159	He	525.426	ppb	0.8	82169.70	0.4723	Pulse	0.1000	3
Tl	205	159	He	99.527	ppb	0.9	548351.14	3.1512	Pulse	0.1000	3
Pb	208	159	He	50.142	ppb	0.6	192537.00	1.1065	Pulse	0.1000	3
U	238	209	He	51.313	ppb	1.6	451105.88	3.4103	Pulse	0.1000	3

ISTD Table:

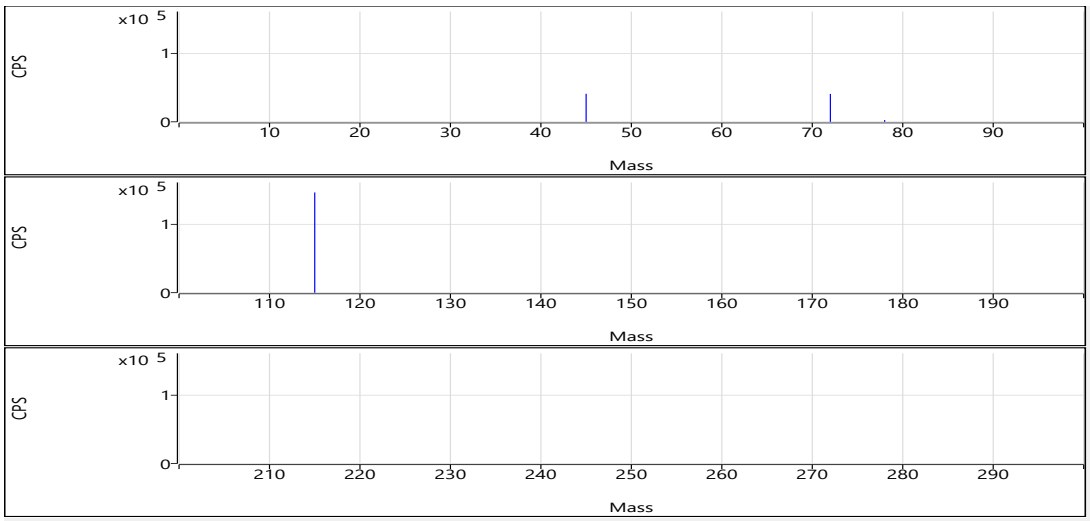
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1047043.40	0.5	100.2	Analog	0.1000	3
No Gas	Ge	72	595506.72	0.8	99.0	Pulse	0.1000	3
H2	Sc	45	41030.68	1.5	97.1	Pulse	0.1000	3
H2	Ge	72	40844.38	0.9	93.1	Pulse	0.1000	3
H2	In	115	146656.24	1.5	97.3	Pulse	0.1000	3
He	Sc	45	11344.91	2.6	99.3	Pulse	0.1000	3
He	Ge	72	24492.32	1.8	96.7	Pulse	0.1000	3
He	In	115	26777.36	0.4	98.1	Pulse	0.1000	3
He	Tb	159	173998.78	1.6	98.6	Pulse	0.1000	3
He	Bi	209	132308.06	3.2	98.1	Pulse	0.1000	3

No Gas

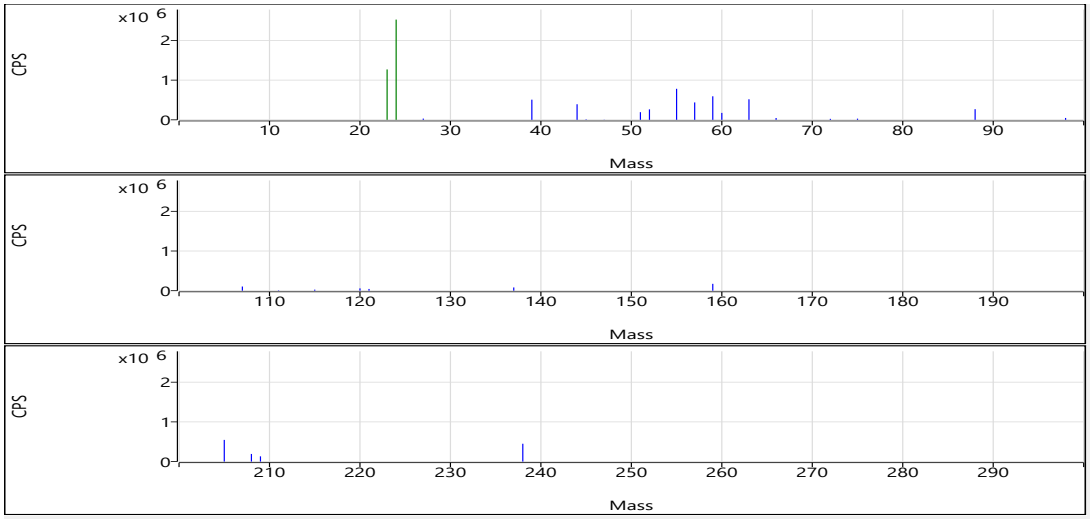


H2



Quantitation Report

He



Quantitation Report

Data File Name	161_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:53:25 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

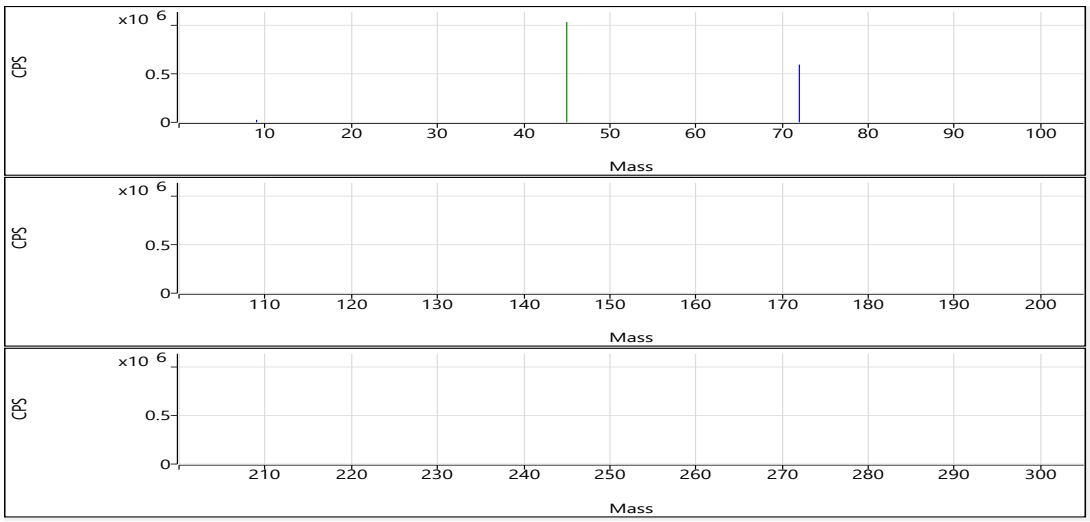
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.494	ug/L	1.3	25271.28	0.0245	Pulse	0.5000	3
Se	78	72	H2	50.056	ppb	1.6	1240.50	0.0303	Pulse	1.5000	3
Na	23	72	He	4977.850	ug/L	2.0	229041.62	9.2572	Pulse	0.1000	3
Mg	24	72	He	4904.271	ug/L	1.3	113131.34	4.5722	Pulse	0.1000	3
Al	27	72	He	4817.862	ug/L	0.9	30386.16	1.2278	Pulse	0.1000	3
K	39	72	He	4838.106	ppb	1.8	65146.97	2.6329	Pulse	0.1000	3
Ca	44	72	He	4955.979	ppb	5.6	4294.17	0.1736	Pulse	0.1000	3
Ti	47	159	He	5052.720	ppb	1.7	37483.94	0.2115	Pulse	0.1000	3
V	51	72	He	493.185	ppb	2.4	191775.59	7.7514	Pulse	0.5000	3
Cr	52	45	He	519.840	ppb	4.0	266494.96	24.2813	Pulse	0.1000	3
Mn	55	45	He	513.986	ppb	3.8	98756.55	8.9973	Pulse	0.1000	3
Fe	57	72	He	4896.199	ppb	1.7	53757.01	2.1727	Pulse	0.1000	3
Co	59	72	He	476.515	ppb	2.1	603728.16	24.4015	Pulse	0.1000	3
Ni	60	72	He	497.715	ppb	1.2	180008.22	7.2750	Pulse	0.1000	3
Cu	63	72	He	499.700	ppb	1.8	535395.17	21.6390	Pulse	0.1000	3
Zn	66	72	He	494.888	ppb	2.7	47531.70	1.9212	Pulse	0.1000	3
As	75	45	He	522.220	ppb	4.1	28877.95	2.6312	Pulse	0.5000	3
Sr	88	159	He	48.736	ppb	2.1	12152.46	0.0686	Pulse	0.1000	3
Mo	98	159	He	49.608	ppb	2.6	46055.31	0.2599	Pulse	0.1000	3
Ag	107	159	He	50.269	ppb	0.4	110988.82	0.6263	Pulse	0.1000	3
Cd	111	159	He	49.323	ppb	1.0	10445.40	0.0589	Pulse	0.5000	3
Sn	120	159	He	49.128	ppb	3.9	29783.69	0.1680	Pulse	0.1000	3
Sb	121	159	He	48.611	ppb	1.4	22212.34	0.1254	Pulse	0.1000	3
Ba	137	159	He	494.254	ppb	2.3	78776.32	0.4445	Pulse	0.1000	3
Tl	205	159	He	49.986	ppb	1.4	280573.38	1.5833	Pulse	0.1000	3
Pb	208	159	He	50.142	ppb	0.4	196083.04	1.1065	Pulse	0.1000	3
U	238	209	He	49.536	ppb	1.5	452626.31	3.2922	Pulse	0.1000	3

ISTD Table:

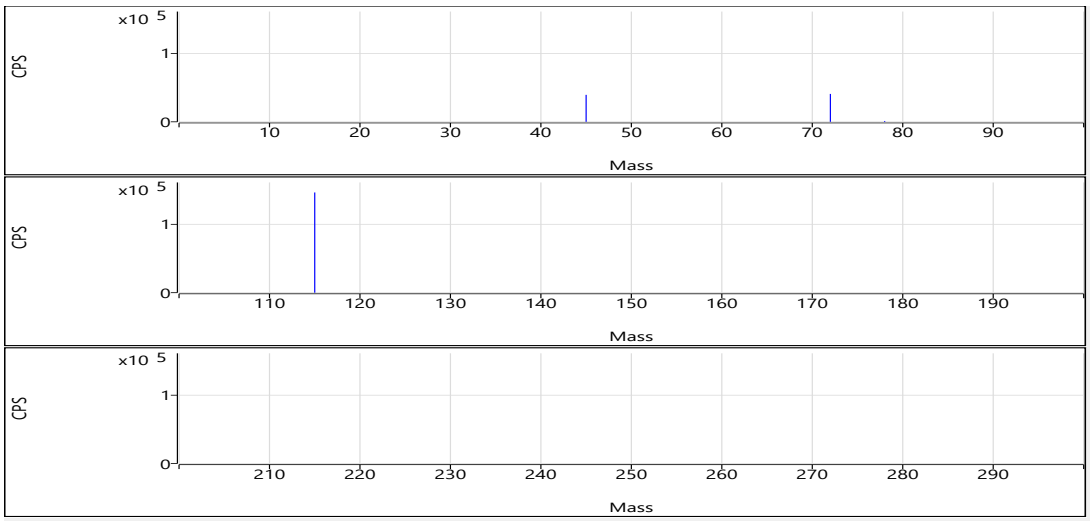
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1033512.82	0.7	98.9	Analog	0.1000	3
No Gas	Ge	72	595071.83	0.2	99.0	Pulse	0.1000	3
H2	Sc	45	39613.02	1.8	93.7	Pulse	0.1000	3
H2	Ge	72	40984.77	1.8	93.4	Pulse	0.1000	3
H2	In	115	147233.39	0.7	97.7	Pulse	0.1000	3
He	Sc	45	10987.96	4.3	96.2	Pulse	0.1000	3
He	Ge	72	24746.11	1.4	97.7	Pulse	0.1000	3
He	In	115	26850.76	2.9	98.4	Pulse	0.1000	3
He	Tb	159	177212.19	0.6	100.5	Pulse	0.1000	3
He	Bi	209	137486.32	1.4	101.9	Pulse	0.1000	3

No Gas

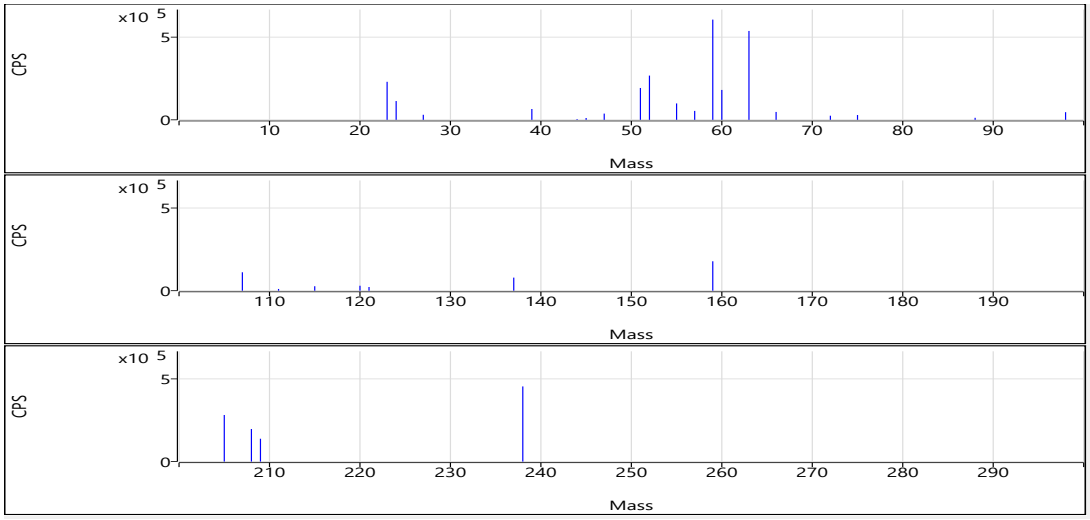


H2



Quantitation Report

He



Quantitation Report

Data File Name	163_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:57:25 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

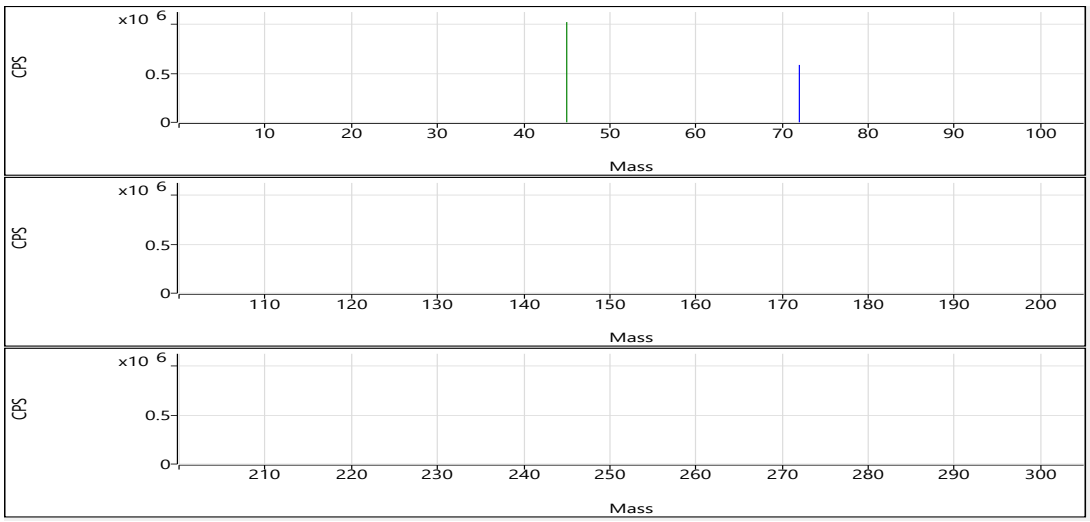
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.012	ug/L	N/A	19.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.048	ppb	N/A	0.89	0.0000	Pulse	1.5000	3
Na	23	72	He	14.266	ug/L	23.8	6138.19	0.2492	Pulse	0.1000	3
Mg	24	72	He	4.574	ug/L	39.4	260.01	0.0106	Pulse	0.1000	3
Al	27	72	He	-1.893	ug/L	N/A	33.33	0.0014	Pulse	0.1000	3
K	39	72	He	11.391	ppb	98.5	2116.91	0.0859	Pulse	0.1000	3
Ca	44	72	He	20.306	ppb	61.5	40.00	0.0016	Pulse	0.1000	3
Ti	47	159	He	0.470	ppb	2.5	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.062	ppb	50.9	137.33	0.0056	Pulse	0.5000	3
Cr	52	45	He	-0.049	ppb	N/A	456.69	0.0420	Pulse	0.1000	3
Mn	55	45	He	0.121	ppb	185.1	73.33	0.0067	Pulse	0.1000	3
Fe	57	72	He	1.458	ppb	130.8	103.34	0.0042	Pulse	0.1000	3
Co	59	72	He	0.026	ppb	178.7	140.01	0.0057	Pulse	0.1000	3
Ni	60	72	He	-0.052	ppb	N/A	130.01	0.0053	Pulse	0.1000	3
Cu	63	72	He	0.170	ppb	28.7	310.01	0.0126	Pulse	0.1000	3
Zn	66	72	He	0.013	ppb	2030.5	50.00	0.0020	Pulse	0.1000	3
As	75	45	He	-0.024	ppb	N/A	8.67	0.0008	Pulse	0.5000	3
Sr	88	159	He	-0.526	ppb	N/A	226.68	0.0013	Pulse	0.1000	3
Mo	98	159	He	0.008	ppb	148.6	66.67	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.005	ppb	167.9	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.006	ppb	N/A	2.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.205	ppb	N/A	1736.85	0.0100	Pulse	0.1000	3
Sb	121	159	He	0.023	ppb	148.6	23.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	-2.150	ppb	N/A	510.03	0.0029	Pulse	0.1000	3
Tl	205	159	He	-0.011	ppb	N/A	180.01	0.0010	Pulse	0.1000	3
Pb	208	159	He	0.073	ppb	29.3	440.02	0.0025	Pulse	0.1000	3
U	238	209	He	-0.005	ppb	N/A	126.67	0.0009	Pulse	0.1000	3

ISTD Table:

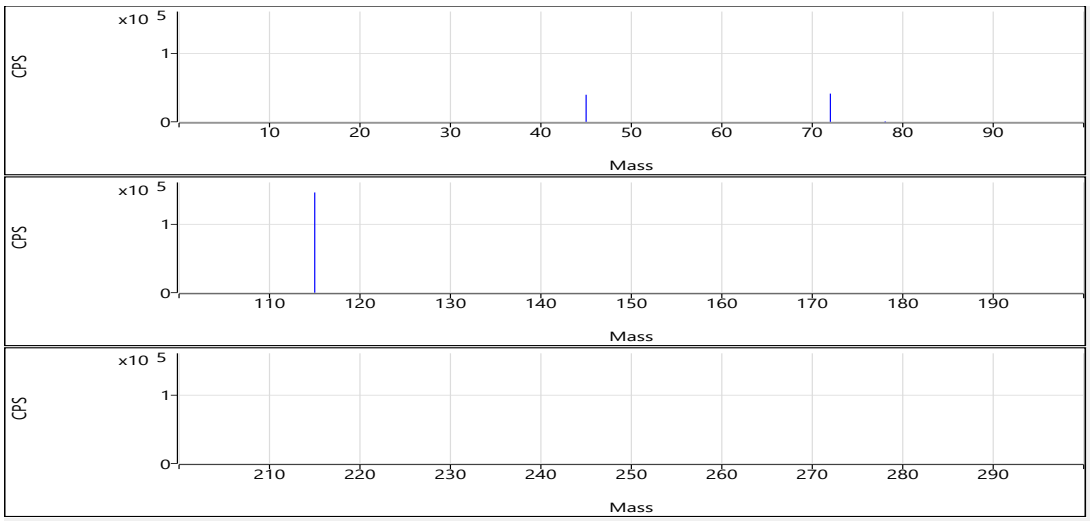
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1027181.39	0.6	98.3	Analog	0.1000	3
No Gas	Ge	72	588007.28	0.4	97.8	Pulse	0.1000	3
H2	Sc	45	39800.47	1.0	94.2	Pulse	0.1000	3
H2	Ge	72	41459.49	2.0	94.5	Pulse	0.1000	3
H2	In	115	147361.44	1.6	97.8	Pulse	0.1000	3
He	Sc	45	10874.59	3.9	95.2	Pulse	0.1000	3
He	Ge	72	24635.85	2.1	97.3	Pulse	0.1000	3
He	In	115	26994.21	0.7	98.9	Pulse	0.1000	3
He	Tb	159	173956.94	0.9	98.6	Pulse	0.1000	3
He	Bi	209	135632.83	0.8	100.6	Pulse	0.1000	3

No Gas

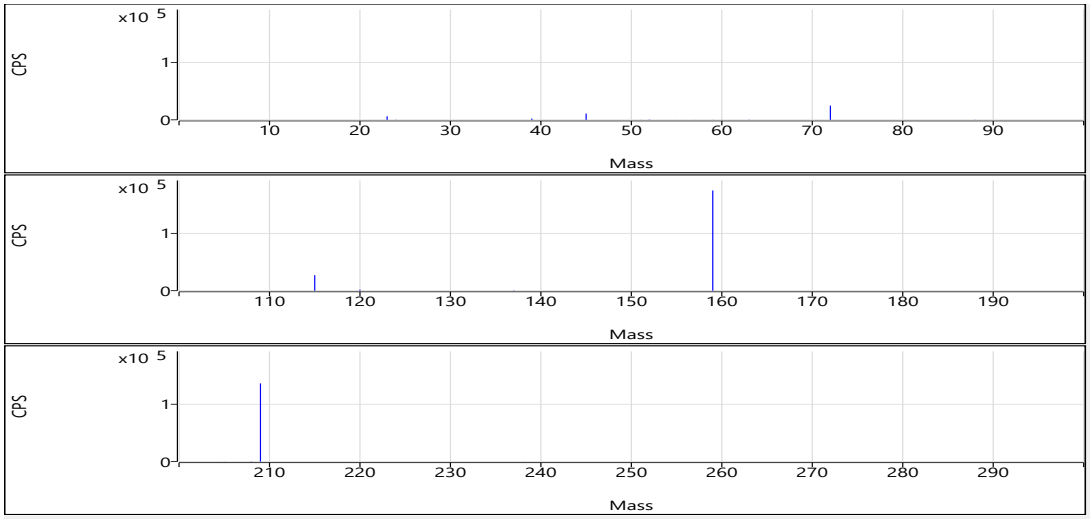


H2



Quantitation Report

He



Quantitation Report

Data File Name	164SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:59:50 PM
Sample Name	410-235858-L-9-B MS
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

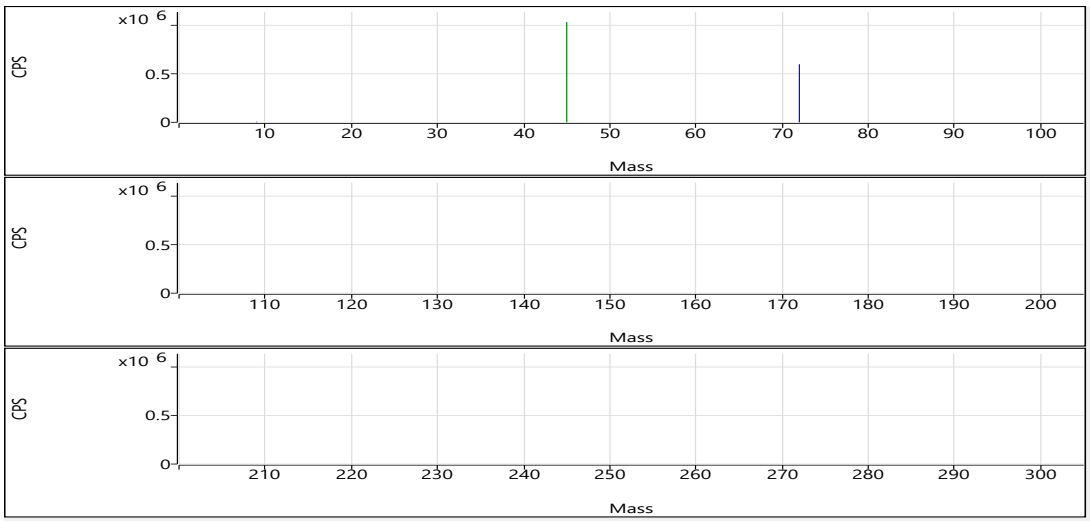
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	49.477	ug/L	3.2	5189.62	0.0050	Pulse	0.5000	3
Se	78	72	H2	98.161	ppb	6.3	502.01	0.0119	Pulse	1.5000	3
Na	23	72	He	28011.486	ug/L	2.8	258923.72	10.3905	Pulse	0.1000	3
Mg	24	72	He	111203.680	ug/L	1.8	516219.41	20.7125	Pulse	0.1000	3
Al	27	72	He	5108.747	ug/L	0.9	6528.38	0.2618	Pulse	0.1000	3
K	39	72	He	38968.409	ppb	2.5	104496.92	4.1925	Pulse	0.1000	3
Ca	44	72	He	457908.939	ppb	2.8	79561.08	3.1922	Pulse	0.1000	3
Ti	47	159	He	539.975	ppb	11.1	790.05	0.0046	Pulse	0.1000	3
V	51	72	He	499.757	ppb	2.0	39243.03	1.5746	Pulse	0.5000	3
Cr	52	45	He	531.511	ppb	1.7	55262.50	5.0005	Pulse	0.1000	3
Mn	55	45	He	4181.923	ppb	0.6	161769.23	14.6380	Pulse	0.1000	3
Fe	57	72	He	40898.216	ppb	1.1	90414.25	3.6273	Pulse	0.1000	3
Co	59	72	He	485.502	ppb	2.3	124002.36	4.9758	Pulse	0.1000	3
Ni	60	72	He	500.799	ppb	4.2	36595.33	1.4689	Pulse	0.1000	3
Cu	63	72	He	508.024	ppb	3.2	109739.28	4.4041	Pulse	0.1000	3
Zn	66	72	He	497.950	ppb	5.9	9670.40	0.3882	Pulse	0.1000	3
As	75	45	He	526.166	ppb	2.7	5868.61	0.5310	Pulse	0.5000	3
Sr	88	159	He	1155.153	ppb	0.1	55030.96	0.3175	Pulse	0.1000	3
Mo	98	159	He	52.111	ppb	0.7	9510.40	0.0549	Pulse	0.1000	3
Ag	107	159	He	52.587	ppb	1.7	22733.02	0.1312	Pulse	0.1000	3
Cd	111	159	He	51.634	ppb	2.0	2141.52	0.0124	Pulse	0.5000	3
Sn	120	159	He	100.508	ppb	3.3	13006.74	0.0750	Pulse	0.1000	3
Sb	121	159	He	101.796	ppb	2.0	9106.76	0.0525	Pulse	0.1000	3
Ba	137	159	He	542.306	ppb	1.2	17562.19	0.1013	Pulse	0.1000	3
Tl	205	159	He	104.231	ppb	1.4	114577.83	0.6611	Pulse	0.1000	3
Pb	208	159	He	51.596	ppb	1.9	39592.23	0.2284	Pulse	0.1000	3
U	238	209	He	50.684	ppb	0.8	92242.68	0.6747	Pulse	0.1000	3

ISTD Table:

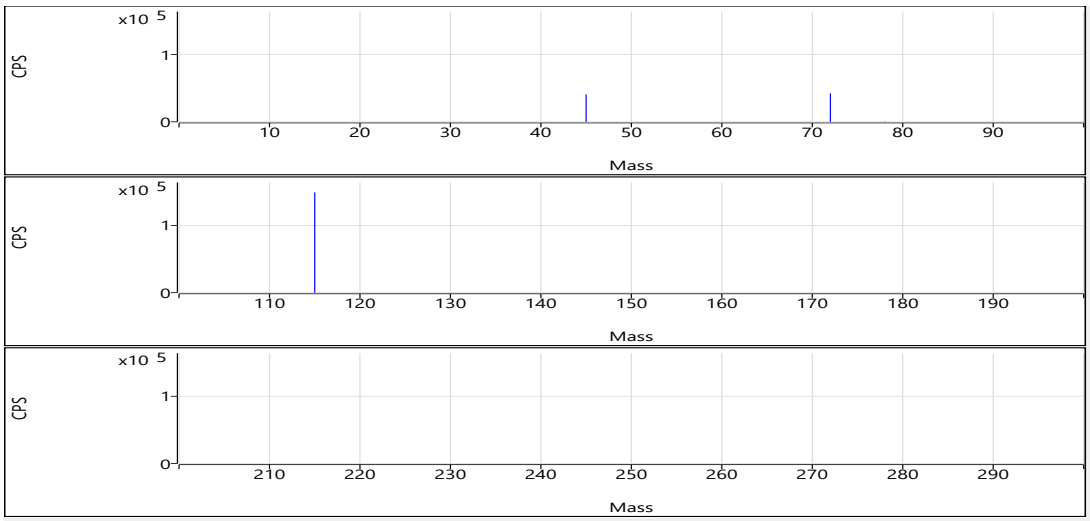
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1036131.18	0.9	99.1	Analog	0.1000	3
No Gas	Ge	72	600056.80	0.4	99.8	Pulse	0.1000	3
H2	Sc	45	40666.12	2.1	96.2	Pulse	0.1000	3
H2	Ge	72	42204.88	1.9	96.2	Pulse	0.1000	3
H2	In	115	148836.11	1.2	98.8	Pulse	0.1000	3
He	Sc	45	11051.37	1.0	96.8	Pulse	0.1000	3
He	Ge	72	24929.71	2.3	98.4	Pulse	0.1000	3
He	In	115	27689.12	1.0	101.4	Pulse	0.1000	3
He	Tb	159	173315.28	0.3	98.3	Pulse	0.1000	3
He	Bi	209	136701.04	1.9	101.4	Pulse	0.1000	3

No Gas

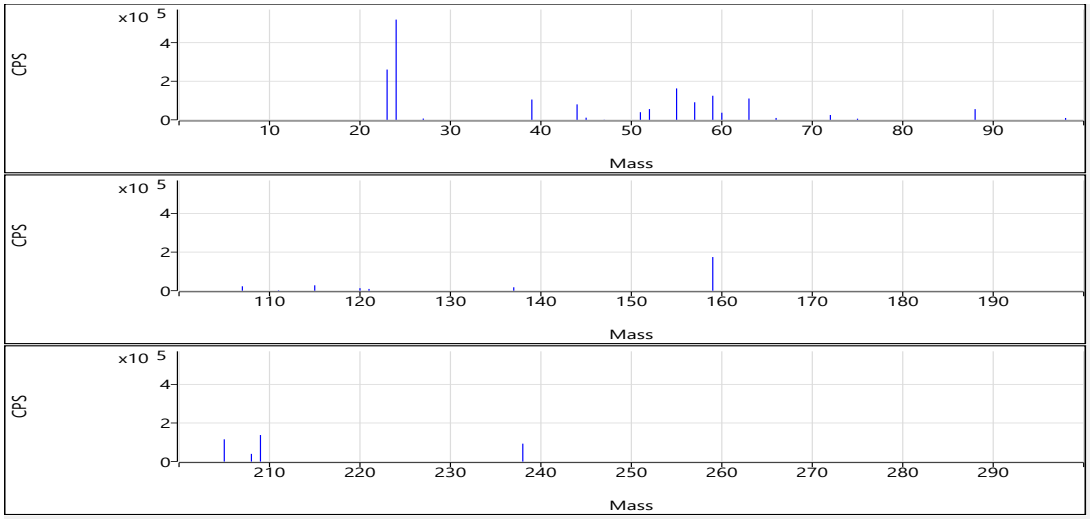


H2



Quantitation Report

He



Quantitation Report

Data File Name	165SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:01:44 PM
Sample Name	410-235858-E-9-A MSD
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

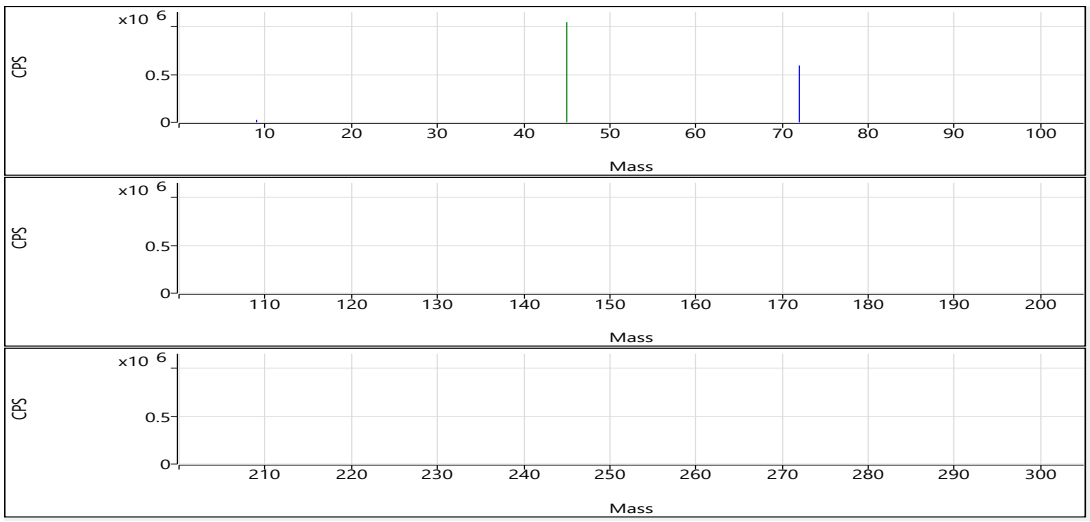
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.141	ug/L	0.4	25394.88	0.0243	Pulse	0.5000	3
Se	78	72	H2	104.931	ppb	1.7	2622.47	0.0634	Pulse	1.5000	3
Na	23	72	He	27982.313	ug/L	1.7	1266697.69	51.0063	Analog	0.1000	3
Mg	24	72	He	108335.685	ug/L	1.7	2504970.07	100.8671	Analog	0.1000	3
Al	27	72	He	4751.215	ug/L	3.0	30069.17	1.2109	Pulse	0.1000	3
K	39	72	He	38442.737	ppb	1.5	505776.23	20.3656	Pulse	0.1000	3
Ca	44	72	He	452499.111	ppb	1.2	391625.68	15.7686	Pulse	0.1000	3
Ti	47	159	He	505.725	ppb	2.7	3687.28	0.0212	Pulse	0.1000	3
V	51	72	He	492.306	ppb	2.0	192150.47	7.7376	Pulse	0.5000	3
Cr	52	45	He	493.682	ppb	3.1	260482.22	23.0617	Pulse	0.1000	3
Mn	55	45	He	3957.824	ppb	3.2	782172.96	69.2509	Pulse	0.1000	3
Fe	57	72	He	39386.834	ppb	2.5	433384.80	17.4528	Pulse	0.1000	3
Co	59	72	He	464.809	ppb	1.1	591156.58	23.8022	Pulse	0.1000	3
Ni	60	72	He	481.086	ppb	1.5	174646.21	7.0322	Pulse	0.1000	3
Cu	63	72	He	478.358	ppb	1.1	514479.74	20.7150	Pulse	0.1000	3
Zn	66	72	He	475.965	ppb	1.9	45889.67	1.8478	Pulse	0.1000	3
As	75	45	He	518.096	ppb	3.1	29484.59	2.6104	Pulse	0.5000	3
Sr	88	159	He	1136.062	ppb	1.0	270126.30	1.5534	Pulse	0.1000	3
Mo	98	159	He	51.640	ppb	1.6	47041.84	0.2705	Pulse	0.1000	3
Ag	107	159	He	48.228	ppb	1.2	104483.45	0.6009	Pulse	0.1000	3
Cd	111	159	He	50.076	ppb	1.6	10406.71	0.0598	Pulse	0.5000	3
Sn	120	159	He	98.977	ppb	2.1	56994.81	0.3278	Pulse	0.1000	3
Sb	121	159	He	98.341	ppb	2.3	44083.09	0.2535	Pulse	0.1000	3
Ba	137	159	He	525.614	ppb	0.3	82153.02	0.4724	Pulse	0.1000	3
Tl	205	159	He	99.771	ppb	2.1	549273.99	3.1589	Pulse	0.1000	3
Pb	208	159	He	50.288	ppb	1.6	192955.99	1.1097	Pulse	0.1000	3
U	238	209	He	51.173	ppb	1.4	451779.88	3.4010	Pulse	0.1000	3

ISTD Table:

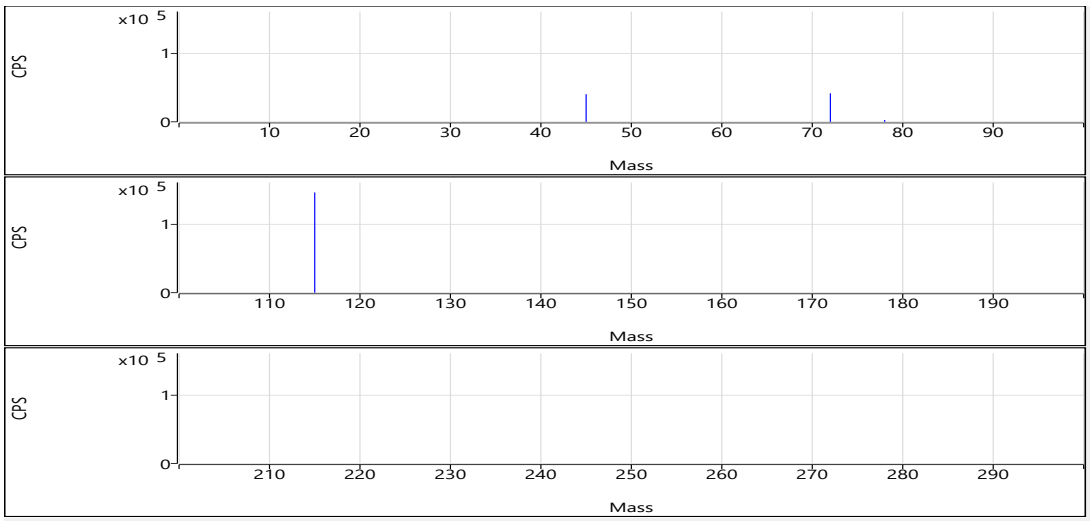
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1046139.46	0.4	100.1	Analog	0.1000	3
No Gas	Ge	72	592823.74	0.6	98.6	Pulse	0.1000	3
H2	Sc	45	40124.61	0.9	94.9	Pulse	0.1000	3
H2	Ge	72	41369.47	1.9	94.3	Pulse	0.1000	3
H2	In	115	145675.62	0.9	96.7	Pulse	0.1000	3
He	Sc	45	11301.57	2.9	98.9	Pulse	0.1000	3
He	Ge	72	24839.49	1.9	98.1	Pulse	0.1000	3
He	In	115	27234.93	3.1	99.8	Pulse	0.1000	3
He	Tb	159	173889.44	0.4	98.6	Pulse	0.1000	3
He	Bi	209	132834.68	1.0	98.5	Pulse	0.1000	3

No Gas

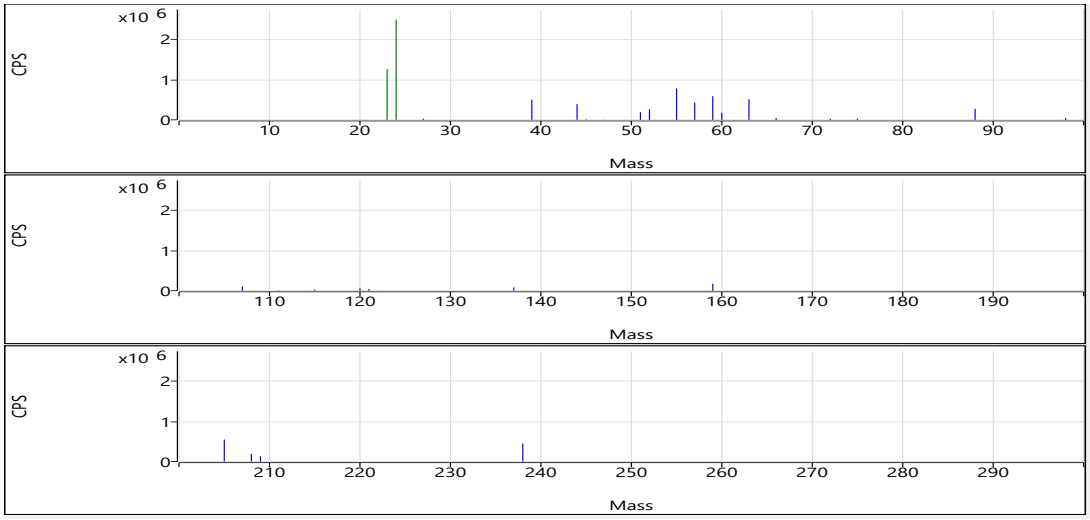


H2



Quantitation Report

He



Quantitation Report

Data File Name	165SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:04:11 PM
Sample Name	410-235858-E-9-A MSD
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

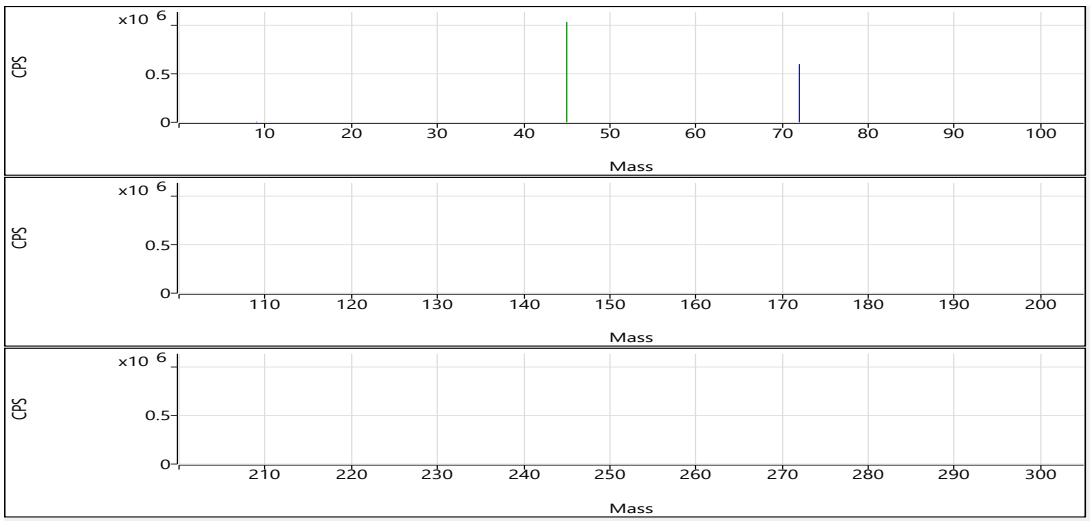
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	49.819	ug/L	1.4	5184.95	0.0050	Pulse	0.5000	3
Se	78	72	H2	101.545	ppb	2.9	512.23	0.0123	Pulse	1.5000	3
Na	23	72	He	27174.795	ug/L	2.4	259322.11	10.0868	Pulse	0.1000	3
Mg	24	72	He	107790.065	ug/L	2.7	516110.71	20.0769	Pulse	0.1000	3
Al	27	72	He	4591.579	ug/L	4.7	6058.15	0.2355	Pulse	0.1000	3
K	39	72	He	37401.196	ppb	0.6	103571.02	4.0271	Pulse	0.1000	3
Ca	44	72	He	444788.397	ppb	1.8	79721.53	3.1007	Pulse	0.1000	3
Ti	47	159	He	521.806	ppb	2.3	773.38	0.0044	Pulse	0.1000	3
V	51	72	He	484.837	ppb	3.0	39272.41	1.5277	Pulse	0.5000	3
Cr	52	45	He	546.418	ppb	3.3	55065.04	5.1395	Pulse	0.1000	3
Mn	55	45	He	4337.775	ppb	1.4	162707.19	15.1834	Pulse	0.1000	3
Fe	57	72	He	39898.382	ppb	3.2	90961.40	3.5387	Pulse	0.1000	3
Co	59	72	He	465.935	ppb	1.2	122791.57	4.7754	Pulse	0.1000	3
Ni	60	72	He	482.966	ppb	4.9	36408.16	1.4168	Pulse	0.1000	3
Cu	63	72	He	493.374	ppb	3.1	109946.81	4.2772	Pulse	0.1000	3
Zn	66	72	He	488.195	ppb	2.7	9787.11	0.3806	Pulse	0.1000	3
As	75	45	He	550.666	ppb	1.3	5955.31	0.5556	Pulse	0.5000	3
Sr	88	159	He	1146.258	ppb	1.0	55308.68	0.3151	Pulse	0.1000	3
Mo	98	159	He	52.288	ppb	4.4	9663.70	0.0551	Pulse	0.1000	3
Ag	107	159	He	50.528	ppb	2.3	22125.38	0.1260	Pulse	0.1000	3
Cd	111	159	He	51.315	ppb	2.9	2155.52	0.0123	Pulse	0.5000	3
Sn	120	159	He	99.592	ppb	2.0	13070.16	0.0745	Pulse	0.1000	3
Sb	121	159	He	99.917	ppb	2.4	9053.37	0.0516	Pulse	0.1000	3
Ba	137	159	He	528.225	ppb	3.6	17348.69	0.0988	Pulse	0.1000	3
Tl	205	159	He	102.940	ppb	2.5	114611.84	0.6529	Pulse	0.1000	3
Pb	208	159	He	52.656	ppb	2.1	40919.96	0.2331	Pulse	0.1000	3
U	238	209	He	51.096	ppb	0.8	93703.25	0.6802	Pulse	0.1000	3

ISTD Table:

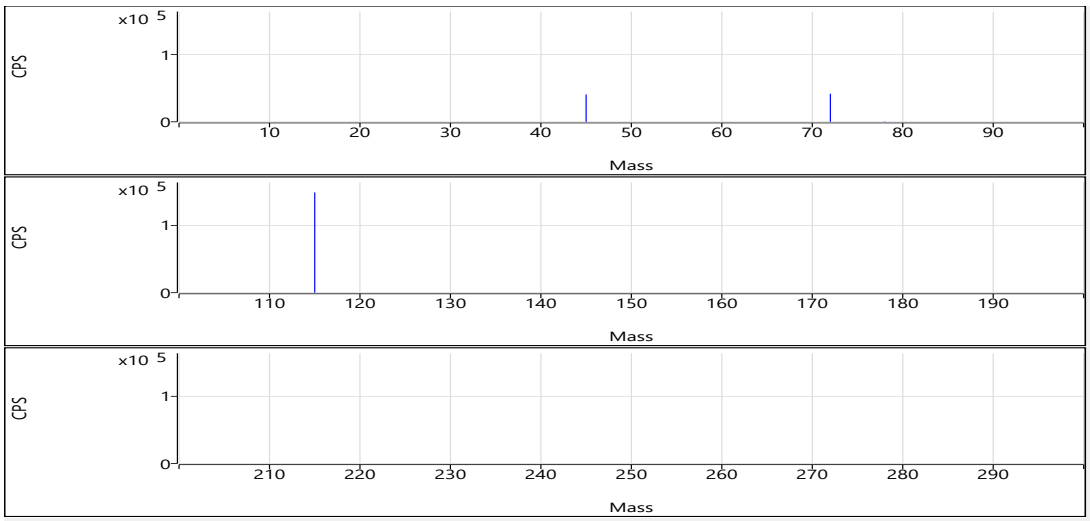
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1027901.05	0.6	98.3	Analog	0.1000	3
No Gas	Ge	72	597034.46	0.2	99.3	Pulse	0.1000	3
H2	Sc	45	40428.47	3.1	95.6	Pulse	0.1000	3
H2	Ge	72	41616.50	1.8	94.9	Pulse	0.1000	3
H2	In	115	148509.29	1.2	98.5	Pulse	0.1000	3
He	Sc	45	10717.77	1.6	93.8	Pulse	0.1000	3
He	Ge	72	25717.86	2.4	101.5	Pulse	0.1000	3
He	In	115	27188.00	1.9	99.6	Pulse	0.1000	3
He	Tb	159	175533.70	0.3	99.5	Pulse	0.1000	3
He	Bi	209	137758.76	1.1	102.1	Pulse	0.1000	3

No Gas

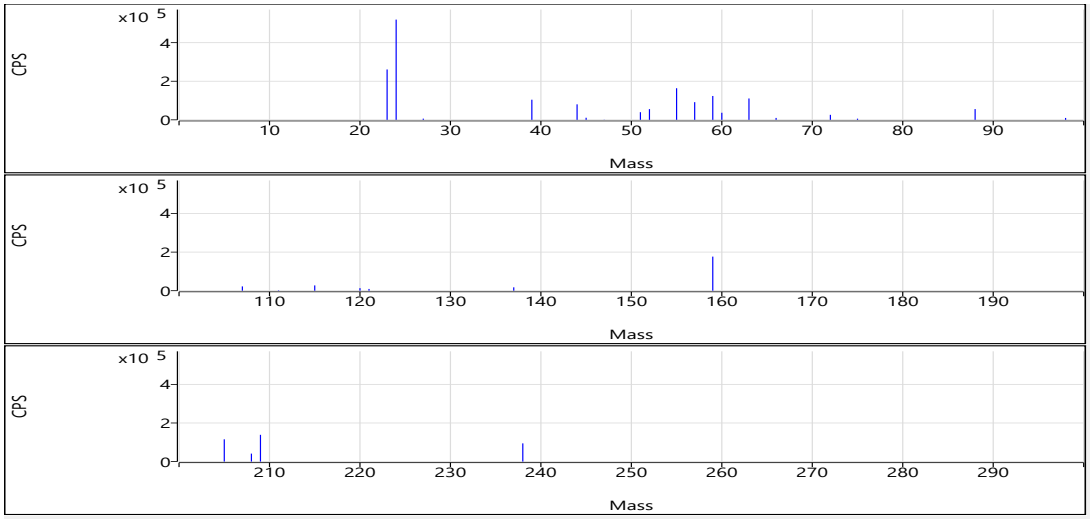


H2



Quantitation Report

He



Quantitation Report

Data File Name	166SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:06:04 PM
Sample Name	410-234682-K-4-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

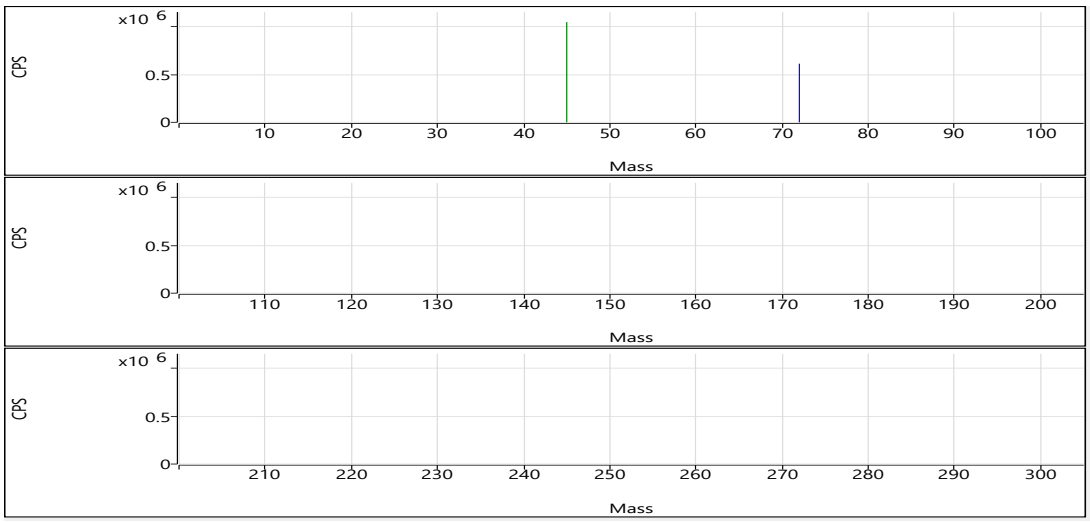
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.015	ug/L	88.5	34.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.138	ppb	49.1	5.55	0.0001	Pulse	1.5000	3
Na	23	72	He	5452.412	ug/L	1.2	254943.84	10.1185	Pulse	0.1000	3
Mg	24	72	He	1829.971	ug/L	2.9	43082.36	1.7100	Pulse	0.1000	3
Al	27	72	He	8.344	ug/L	81.2	100.00	0.0040	Pulse	0.1000	3
K	39	72	He	2567.852	ppb	2.6	36153.47	1.4349	Pulse	0.1000	3
Ca	44	72	He	19054.936	ppb	4.6	16750.47	0.6649	Pulse	0.1000	3
Ti	47	159	He	0.938	ppb	339.9	13.33	0.0001	Pulse	0.1000	3
V	51	72	He	0.045	ppb	118.0	134.00	0.0053	Pulse	0.5000	3
Cr	52	45	He	0.026	ppb	283.0	500.03	0.0455	Pulse	0.1000	3
Mn	55	45	He	634.260	ppb	1.9	122050.23	11.1016	Pulse	0.1000	3
Fe	57	72	He	16015.214	ppb	1.4	178855.44	7.0987	Pulse	0.1000	3
Co	59	72	He	1.129	ppb	11.4	1566.80	0.0622	Pulse	0.1000	3
Ni	60	72	He	0.572	ppb	64.4	363.35	0.0144	Pulse	0.1000	3
Cu	63	72	He	0.392	ppb	13.7	560.03	0.0222	Pulse	0.1000	3
Zn	66	72	He	1.268	ppb	53.3	173.34	0.0069	Pulse	0.1000	3
As	75	45	He	10.241	ppb	4.8	577.35	0.0525	Pulse	0.5000	3
Sr	88	159	He	101.702	ppb	4.5	24746.38	0.1409	Pulse	0.1000	3
Mo	98	159	He	0.555	ppb	10.9	570.03	0.0032	Pulse	0.1000	3
Ag	107	159	He	0.006	ppb	47.6	43.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.000	ppb	8745.4	3.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.726	ppb	N/A	1460.13	0.0083	Pulse	0.1000	3
Sb	121	159	He	0.294	ppb	22.4	146.67	0.0008	Pulse	0.1000	3
Ba	137	159	He	13.640	ppb	5.5	2983.78	0.0170	Pulse	0.1000	3
Tl	205	159	He	0.037	ppb	28.8	446.70	0.0025	Pulse	0.1000	3
Pb	208	159	He	0.649	ppb	1.9	2677.04	0.0152	Pulse	0.1000	3
U	238	209	He	0.014	ppb	28.7	306.69	0.0022	Pulse	0.1000	3

ISTD Table:

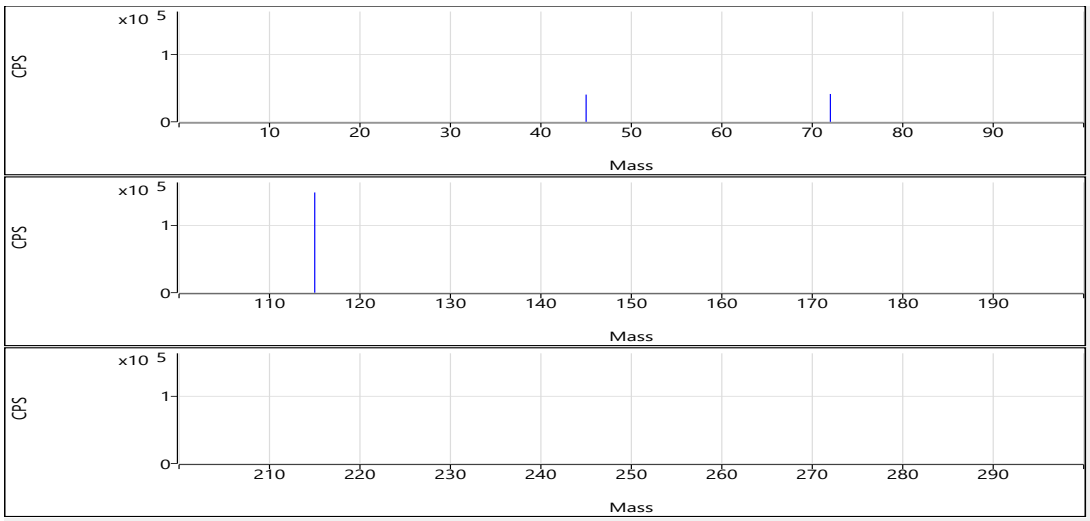
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1048123.73	1.0	100.3	Analog	0.1000	3
No Gas	Ge	72	612763.11	1.0	101.9	Pulse	0.1000	3
H2	Sc	45	40649.34	1.1	96.2	Pulse	0.1000	3
H2	Ge	72	41576.33	1.2	94.8	Pulse	0.1000	3
H2	In	115	149672.65	0.8	99.3	Pulse	0.1000	3
He	Sc	45	10994.69	0.7	96.3	Pulse	0.1000	3
He	Ge	72	25197.00	0.6	99.5	Pulse	0.1000	3
He	In	115	27558.81	2.2	101.0	Pulse	0.1000	3
He	Tb	159	175695.59	1.5	99.6	Pulse	0.1000	3
He	Bi	209	138264.66	1.5	102.5	Pulse	0.1000	3

No Gas

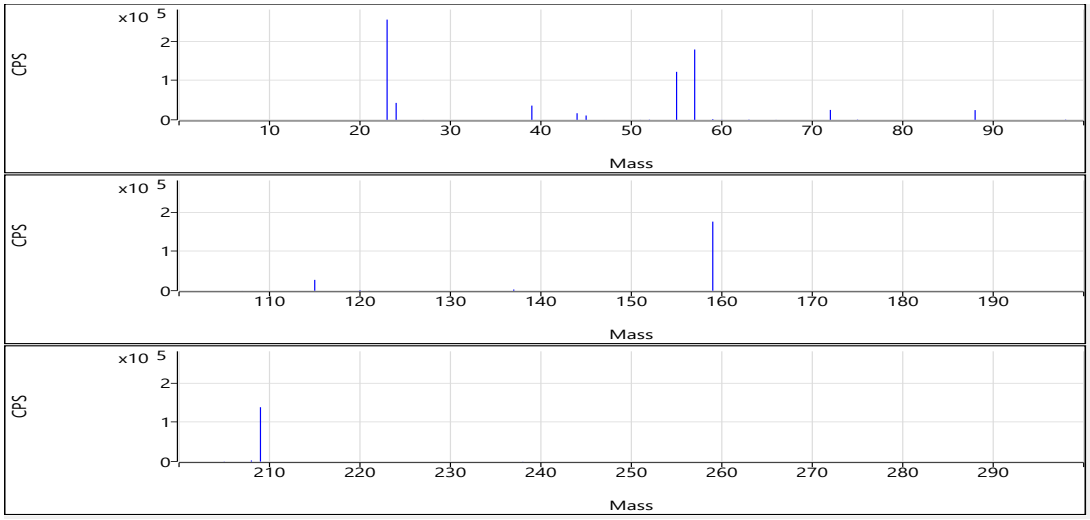


H2



Quantitation Report

He



Quantitation Report

Data File Name	167SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:08:04 PM
Sample Name	410-234682-K-4-B DU
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

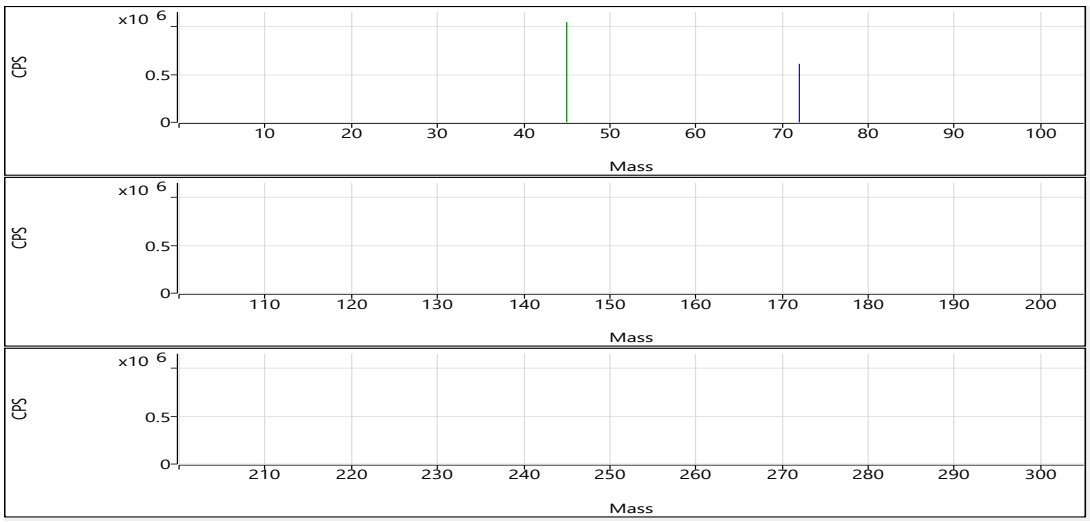
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.010	ug/L	N/A	20.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.158	ppb	51.6	6.22	0.0001	Pulse	1.5000	3
Na	23	72	He	5387.727	ug/L	1.5	253905.41	10.0011	Pulse	0.1000	3
Mg	24	72	He	1813.141	ug/L	1.7	43015.45	1.6944	Pulse	0.1000	3
Al	27	72	He	11.845	ug/L	20.2	123.34	0.0049	Pulse	0.1000	3
K	39	72	He	2579.616	ppb	0.1	36591.24	1.4411	Pulse	0.1000	3
Ca	44	72	He	19642.231	ppb	2.1	17404.59	0.6854	Pulse	0.1000	3
Ti	47	159	He	1.788	ppb	129.0	20.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.100	ppb	19.7	156.67	0.0062	Pulse	0.5000	3
Cr	52	45	He	-0.131	ppb	N/A	413.36	0.0382	Pulse	0.1000	3
Mn	55	45	He	650.205	ppb	5.4	123409.24	11.3806	Pulse	0.1000	3
Fe	57	72	He	15909.845	ppb	2.0	179027.02	7.0520	Pulse	0.1000	3
Co	59	72	He	1.205	ppb	6.5	1676.84	0.0661	Pulse	0.1000	3
Ni	60	72	He	0.628	ppb	32.1	386.69	0.0152	Pulse	0.1000	3
Cu	63	72	He	0.549	ppb	6.7	736.71	0.0290	Pulse	0.1000	3
Zn	66	72	He	1.147	ppb	35.0	163.34	0.0064	Pulse	0.1000	3
As	75	45	He	11.111	ppb	11.2	616.02	0.0569	Pulse	0.5000	3
Sr	88	159	He	102.569	ppb	2.0	25103.73	0.1421	Pulse	0.1000	3
Mo	98	159	He	0.573	ppb	23.6	590.04	0.0033	Pulse	0.1000	3
Ag	107	159	He	0.011	ppb	89.4	53.33	0.0003	Pulse	0.1000	3
Cd	111	159	He	-0.006	ppb	N/A	2.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.446	ppb	N/A	1626.83	0.0092	Pulse	0.1000	3
Sb	121	159	He	0.154	ppb	8.7	83.33	0.0005	Pulse	0.1000	3
Ba	137	159	He	15.200	ppb	6.8	3243.87	0.0184	Pulse	0.1000	3
Tl	205	159	He	-0.007	ppb	N/A	206.68	0.0012	Pulse	0.1000	3
Pb	208	159	He	0.665	ppb	3.7	2753.73	0.0156	Pulse	0.1000	3
U	238	209	He	0.004	ppb	133.0	216.68	0.0016	Pulse	0.1000	3

ISTD Table:

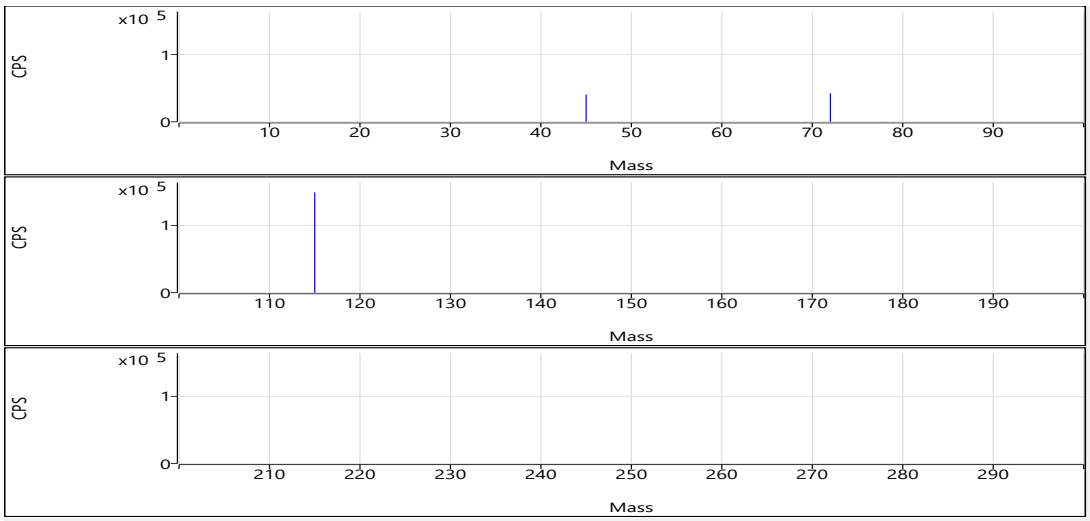
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1050187.04	0.5	100.5	Analog	0.1000	3
No Gas	Ge	72	612957.45	0.1	101.9	Pulse	0.1000	3
H2	Sc	45	40545.45	0.6	95.9	Pulse	0.1000	3
H2	Ge	72	42549.17	1.5	97.0	Pulse	0.1000	3
H2	In	115	149515.41	1.4	99.2	Pulse	0.1000	3
He	Sc	45	10864.53	5.4	95.1	Pulse	0.1000	3
He	Ge	72	25390.61	1.2	100.2	Pulse	0.1000	3
He	In	115	27722.62	2.6	101.6	Pulse	0.1000	3
He	Tb	159	176681.58	0.9	100.2	Pulse	0.1000	3
He	Bi	209	139730.51	2.6	103.6	Pulse	0.1000	3

No Gas

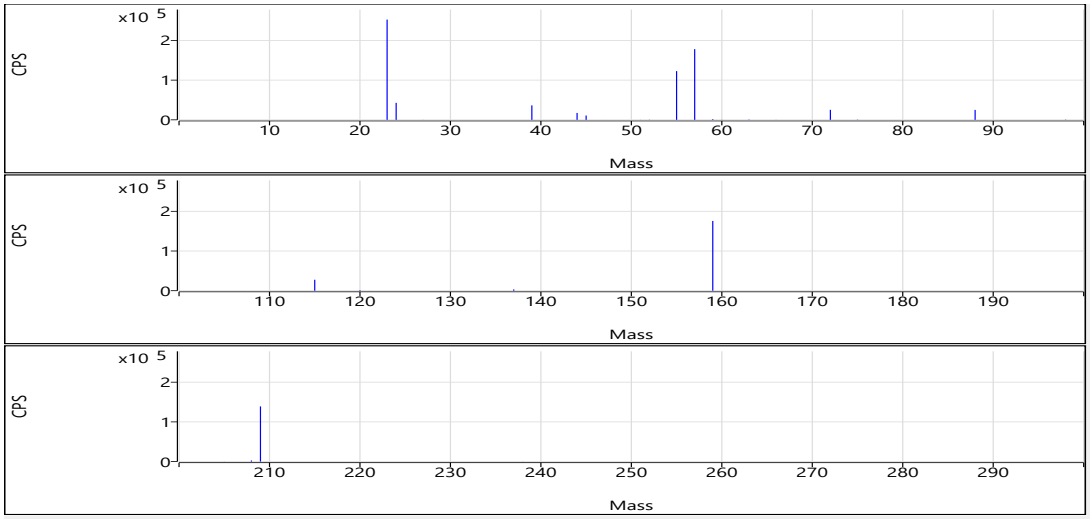


H2



Quantitation Report

He



Quantitation Report

Data File Name	168SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:10:04 PM
Sample Name	410-234682-K-4-C MS
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

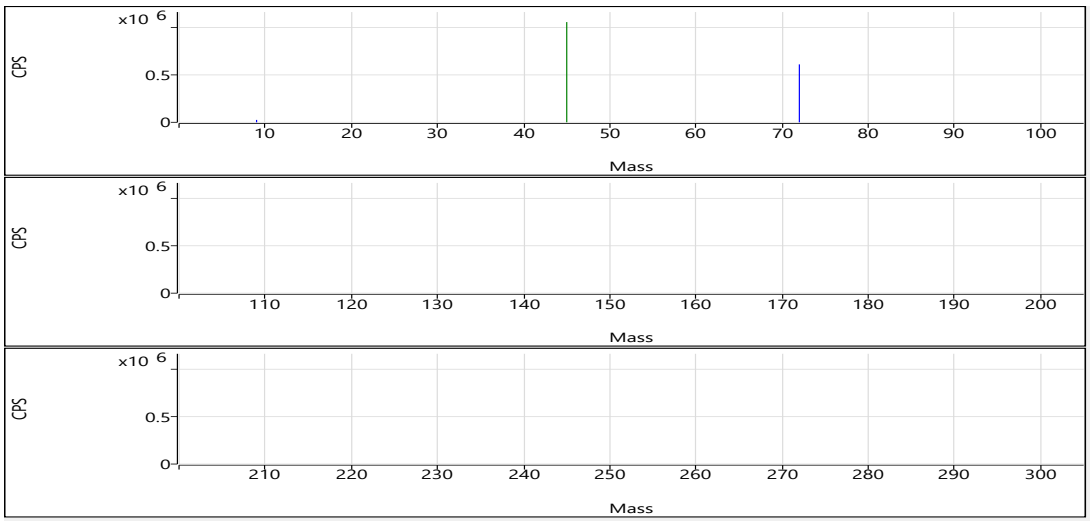
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.215	ug/L	1.7	25109.03	0.0238	Pulse	0.5000	3
Se	78	72	H2	101.108	ppb	1.1	2531.57	0.0611	Pulse	1.5000	3
Na	23	72	He	10024.702	ug/L	1.9	472658.29	18.4164	Pulse	0.1000	3
Mg	24	72	He	6390.216	ug/L	1.6	152858.45	5.9556	Pulse	0.1000	3
Al	27	72	He	4558.842	ug/L	2.4	29818.57	1.1619	Pulse	0.1000	3
K	39	72	He	7263.792	ppb	3.8	100408.09	3.9129	Pulse	0.1000	3
Ca	44	72	He	24028.940	ppb	2.9	21510.37	0.8382	Pulse	0.1000	3
Ti	47	159	He	512.075	ppb	2.0	3800.66	0.0215	Pulse	0.1000	3
V	51	72	He	470.833	ppb	2.7	189911.75	7.4003	Pulse	0.5000	3
Cr	52	45	He	504.466	ppb	0.9	263312.11	23.5645	Pulse	0.1000	3
Mn	55	45	He	1112.946	ppb	1.1	217635.08	19.4767	Pulse	0.1000	3
Fe	57	72	He	20317.407	ppb	2.3	231090.98	9.0046	Pulse	0.1000	3
Co	59	72	He	455.122	ppb	2.1	598139.57	23.3062	Pulse	0.1000	3
Ni	60	72	He	476.752	ppb	2.8	178836.48	6.9689	Pulse	0.1000	3
Cu	63	72	He	479.230	ppb	2.6	532575.58	20.7528	Pulse	0.1000	3
Zn	66	72	He	462.475	ppb	2.2	46080.49	1.7955	Pulse	0.1000	3
As	75	45	He	526.658	ppb	2.9	29647.61	2.6536	Pulse	0.5000	3
Sr	88	159	He	148.987	ppb	1.9	36372.29	0.2055	Pulse	0.1000	3
Mo	98	159	He	50.557	ppb	1.5	46884.79	0.2649	Pulse	0.1000	3
Ag	107	159	He	50.075	ppb	0.7	110437.08	0.6239	Pulse	0.1000	3
Cd	111	159	He	49.490	ppb	0.8	10470.08	0.0591	Pulse	0.5000	3
Sn	120	159	He	98.443	ppb	0.3	57717.83	0.3260	Pulse	0.1000	3
Sb	121	159	He	99.876	ppb	0.6	45578.37	0.2575	Pulse	0.1000	3
Ba	137	159	He	509.300	ppb	0.7	81062.79	0.4579	Pulse	0.1000	3
Tl	205	159	He	100.048	ppb	0.9	560777.32	3.1677	Pulse	0.1000	3
Pb	208	159	He	50.698	ppb	1.7	198056.39	1.1187	Pulse	0.1000	3
U	238	209	He	49.278	ppb	1.8	455503.45	3.2751	Pulse	0.1000	3

ISTD Table:

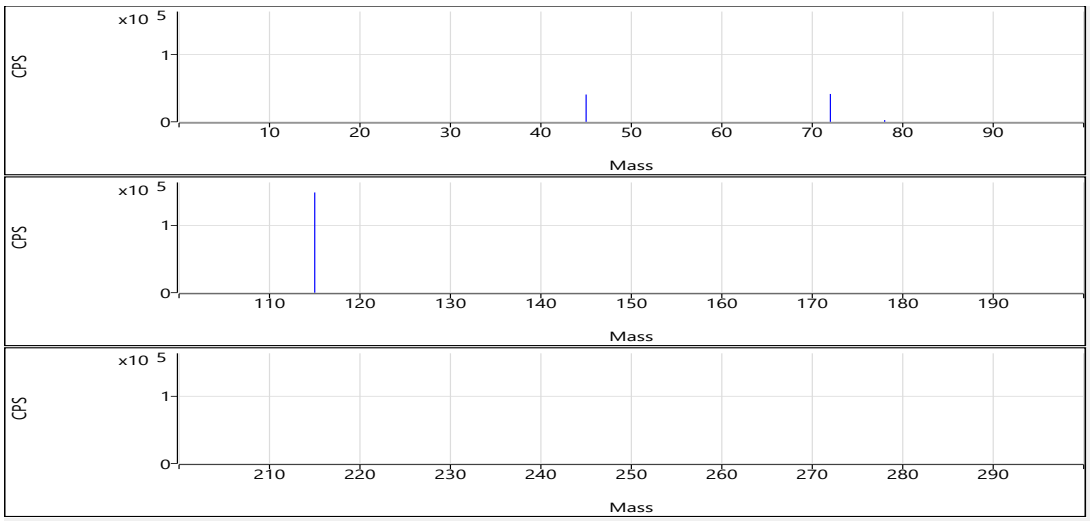
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1054677.87	0.5	100.9	Analog	0.1000	3
No Gas	Ge	72	609511.53	0.4	101.4	Pulse	0.1000	3
H2	Sc	45	40595.83	1.0	96.0	Pulse	0.1000	3
H2	Ge	72	41436.02	1.4	94.5	Pulse	0.1000	3
H2	In	115	149083.19	0.9	98.9	Pulse	0.1000	3
He	Sc	45	11174.74	0.9	97.8	Pulse	0.1000	3
He	Ge	72	25671.14	1.9	101.3	Pulse	0.1000	3
He	In	115	27131.40	2.4	99.4	Pulse	0.1000	3
He	Tb	159	177023.80	0.8	100.4	Pulse	0.1000	3
He	Bi	209	139086.19	1.6	103.1	Pulse	0.1000	3

No Gas

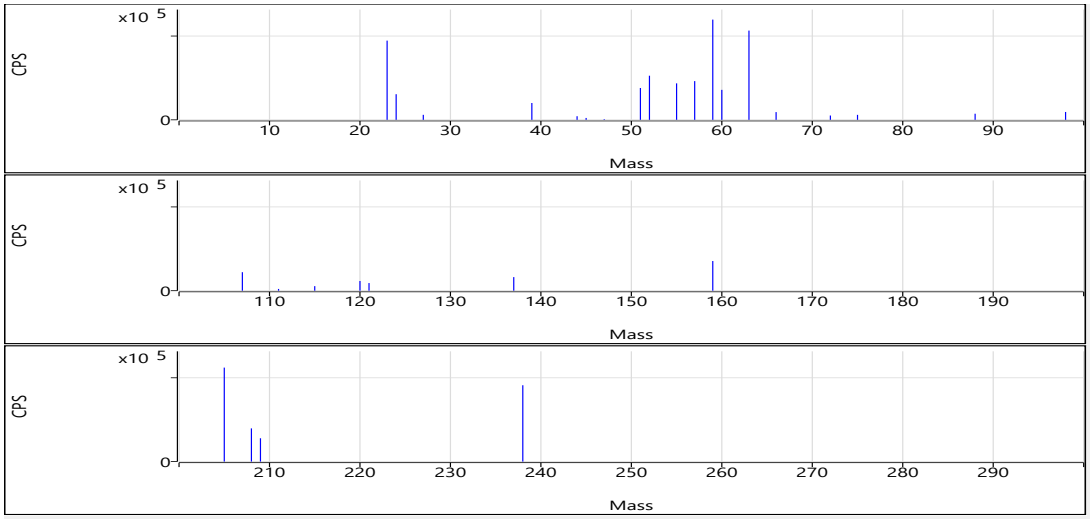


H2



Quantitation Report

He



Quantitation Report

Data File Name	169SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:12:03 PM
Sample Name	410-234682-K-4-D MSD
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

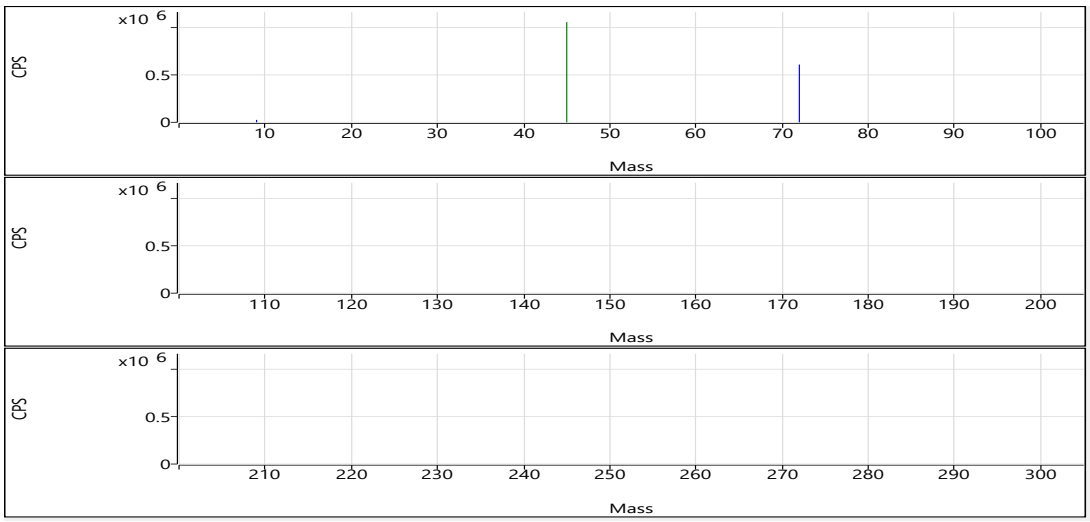
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.849	ug/L	1.6	25472.34	0.0241	Pulse	0.5000	3
Se	78	72	H2	99.494	ppb	2.8	2553.35	0.0601	Pulse	1.5000	3
Na	23	72	He	10152.615	ug/L	1.5	476292.56	18.6485	Pulse	0.1000	3
Mg	24	72	He	6465.330	ug/L	1.2	153900.45	6.0256	Pulse	0.1000	3
Al	27	72	He	4694.325	ug/L	1.7	30563.48	1.1964	Pulse	0.1000	3
K	39	72	He	7257.789	ppb	1.3	99860.57	3.9097	Pulse	0.1000	3
Ca	44	72	He	22858.819	ppb	2.7	20365.21	0.7975	Pulse	0.1000	3
Ti	47	159	He	504.753	ppb	7.6	3733.94	0.0212	Pulse	0.1000	3
V	51	72	He	478.782	ppb	1.4	192198.95	7.5252	Pulse	0.5000	3
Cr	52	45	He	500.002	ppb	2.0	266459.68	23.3564	Pulse	0.1000	3
Mn	55	45	He	1090.624	ppb	1.4	217759.90	19.0862	Pulse	0.1000	3
Fe	57	72	He	20202.768	ppb	0.3	228713.25	8.9538	Pulse	0.1000	3
Co	59	72	He	463.093	ppb	1.2	605702.65	23.7143	Pulse	0.1000	3
Ni	60	72	He	479.629	ppb	0.5	179079.44	7.0109	Pulse	0.1000	3
Cu	63	72	He	489.474	ppb	0.5	541415.83	21.1963	Pulse	0.1000	3
Zn	66	72	He	475.509	ppb	0.9	47153.82	1.8461	Pulse	0.1000	3
As	75	45	He	521.333	ppb	2.1	29966.92	2.6268	Pulse	0.5000	3
Sr	88	159	He	150.477	ppb	2.2	36623.06	0.2075	Pulse	0.1000	3
Mo	98	159	He	50.859	ppb	2.1	47021.65	0.2664	Pulse	0.1000	3
Ag	107	159	He	50.499	ppb	1.0	111038.25	0.6292	Pulse	0.1000	3
Cd	111	159	He	50.069	ppb	0.9	10560.83	0.0598	Pulse	0.5000	3
Sn	120	159	He	99.251	ppb	1.5	58002.47	0.3286	Pulse	0.1000	3
Sb	121	159	He	97.739	ppb	0.7	44471.14	0.2520	Pulse	0.1000	3
Ba	137	159	He	514.267	ppb	2.1	81593.69	0.4623	Pulse	0.1000	3
Tl	205	159	He	100.524	ppb	1.0	561766.67	3.1827	Pulse	0.1000	3
Pb	208	159	He	50.861	ppb	2.0	198103.46	1.1223	Pulse	0.1000	3
U	238	209	He	50.093	ppb	0.8	452127.54	3.3292	Pulse	0.1000	3

ISTD Table:

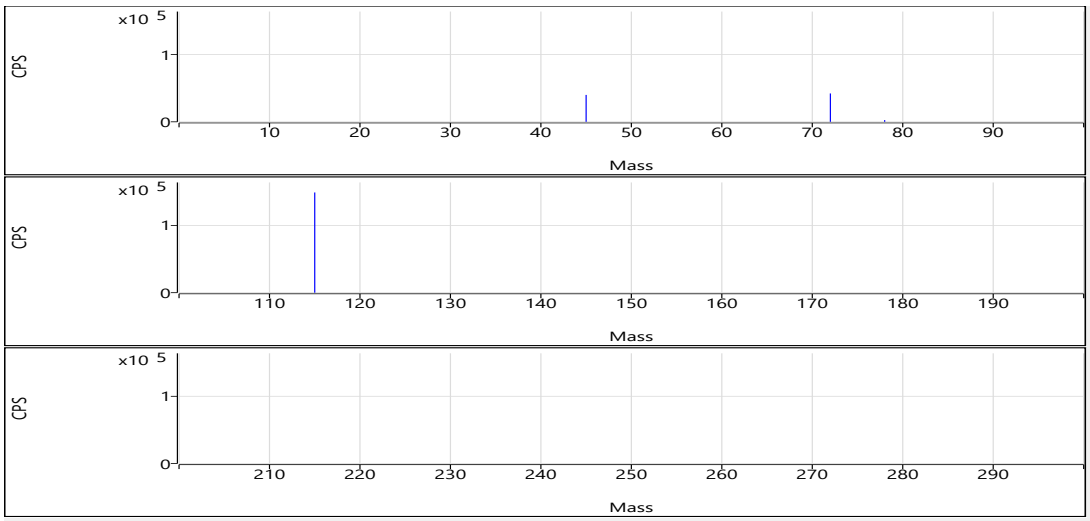
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1055690.56	0.5	101.0	Analog	0.1000	3
No Gas	Ge	72	608349.87	0.6	101.2	Pulse	0.1000	3
H2	Sc	45	40308.56	2.8	95.4	Pulse	0.1000	3
H2	Ge	72	42499.14	4.0	96.9	Pulse	0.1000	3
H2	In	115	150184.36	0.6	99.7	Pulse	0.1000	3
He	Sc	45	11411.63	2.2	99.9	Pulse	0.1000	3
He	Ge	72	25544.22	1.4	100.8	Pulse	0.1000	3
He	In	115	27208.16	0.9	99.7	Pulse	0.1000	3
He	Tb	159	176496.09	0.9	100.1	Pulse	0.1000	3
He	Bi	209	135795.61	2.2	100.7	Pulse	0.1000	3

No Gas

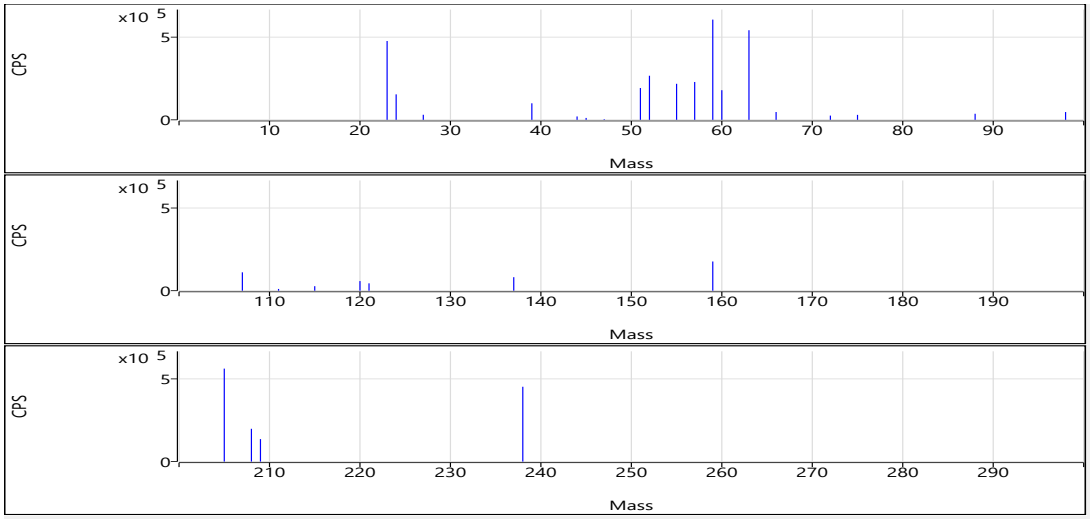


H2



Quantitation Report

He



Quantitation Report

Data File Name	170SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:14:03 PM
Sample Name	410-234682-K-13-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

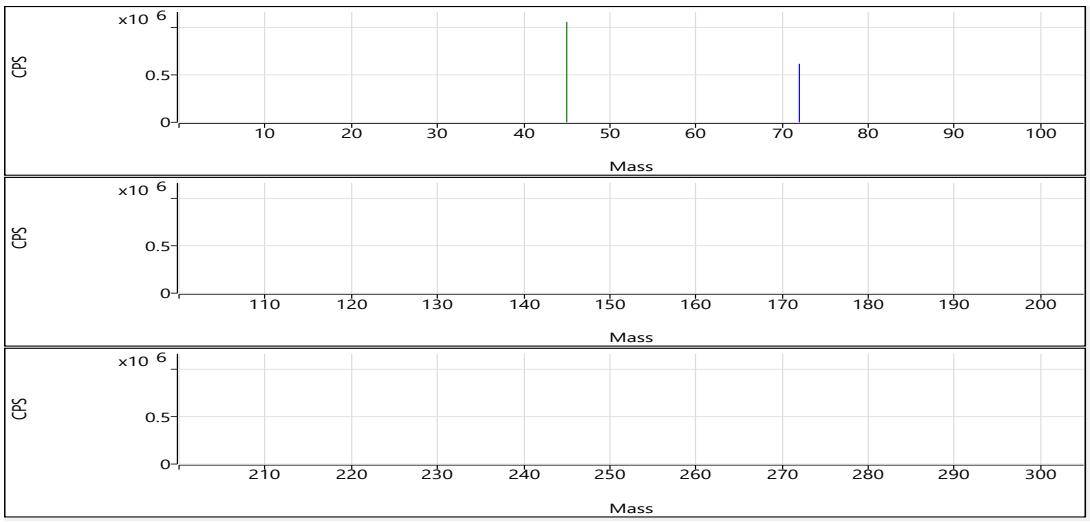
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.066	ug/L	59.1	61.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.115	ppb	73.4	5.11	0.0001	Pulse	1.5000	3
Na	23	72	He	10228.873	ug/L	1.6	475342.66	18.7869	Pulse	0.1000	3
Mg	24	72	He	4417.217	ug/L	1.2	104214.07	4.1188	Pulse	0.1000	3
Al	27	72	He	914.186	ug/L	5.0	5931.44	0.2345	Pulse	0.1000	3
K	39	72	He	5661.320	ppb	2.2	77605.50	3.0673	Pulse	0.1000	3
Ca	44	72	He	46423.497	ppb	2.1	40953.65	1.6186	Pulse	0.1000	3
Ti	47	159	He	40.823	ppb	30.0	313.35	0.0017	Pulse	0.1000	3
V	51	72	He	2.250	ppb	12.7	1010.71	0.0400	Pulse	0.5000	3
Cr	52	45	He	0.667	ppb	35.5	836.72	0.0754	Pulse	0.1000	3
Mn	55	45	He	4204.549	ppb	1.6	816860.67	73.5676	Pulse	0.1000	3
Fe	57	72	He	26213.487	ppb	1.6	293923.58	11.6167	Pulse	0.1000	3
Co	59	72	He	8.703	ppb	1.0	11384.96	0.4499	Pulse	0.1000	3
Ni	60	72	He	1.345	ppb	17.5	650.04	0.0257	Pulse	0.1000	3
Cu	63	72	He	3.433	ppb	3.5	3894.03	0.1539	Pulse	0.1000	3
Zn	66	72	He	12.466	ppb	12.5	1273.44	0.0503	Pulse	0.1000	3
As	75	45	He	36.697	ppb	1.0	2062.83	0.1858	Pulse	0.5000	3
Sr	88	159	He	324.412	ppb	3.0	79805.20	0.4450	Pulse	0.1000	3
Mo	98	159	He	0.908	ppb	7.5	913.40	0.0051	Pulse	0.1000	3
Ag	107	159	He	0.015	ppb	75.2	63.33	0.0004	Pulse	0.1000	3
Cd	111	159	He	0.034	ppb	57.7	10.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.621	ppb	N/A	1550.15	0.0087	Pulse	0.1000	3
Sb	121	159	He	0.216	ppb	21.3	113.34	0.0006	Pulse	0.1000	3
Ba	137	159	He	54.974	ppb	5.1	9637.16	0.0537	Pulse	0.1000	3
Tl	205	159	He	0.060	ppb	25.8	586.70	0.0033	Pulse	0.1000	3
Pb	208	159	He	9.989	ppb	1.5	39665.95	0.2212	Pulse	0.1000	3
U	238	209	He	0.375	ppb	3.6	3560.65	0.0262	Pulse	0.1000	3

ISTD Table:

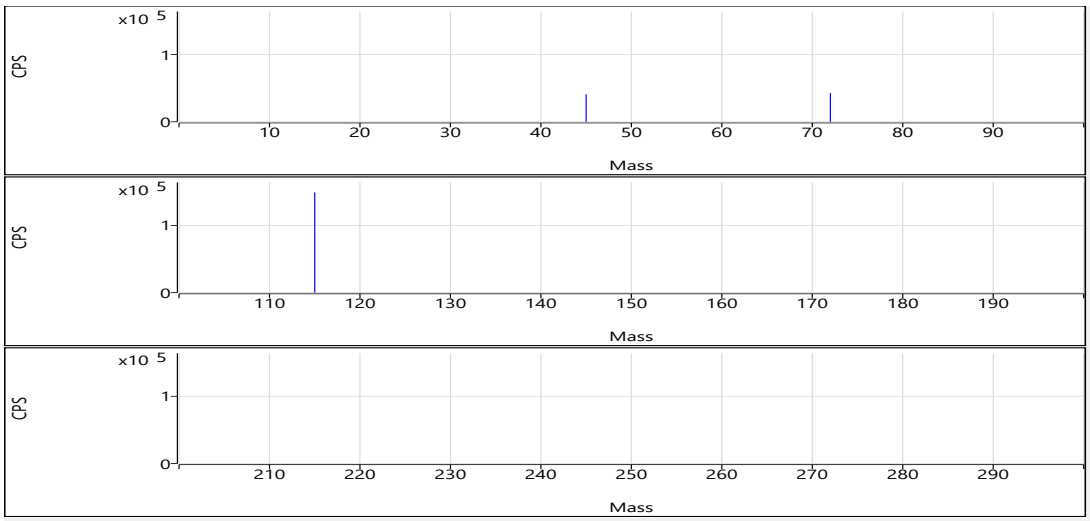
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1058821.52	0.3	101.3	Analog	0.1000	3
No Gas	Ge	72	618027.66	0.6	102.8	Pulse	0.1000	3
H2	Sc	45	40893.40	2.1	96.7	Pulse	0.1000	3
H2	Ge	72	42709.72	0.8	97.4	Pulse	0.1000	3
H2	In	115	148985.77	0.4	98.9	Pulse	0.1000	3
He	Sc	45	11104.70	1.1	97.2	Pulse	0.1000	3
He	Ge	72	25303.81	0.8	99.9	Pulse	0.1000	3
He	In	115	27017.69	2.2	99.0	Pulse	0.1000	3
He	Tb	159	179354.55	1.0	101.7	Pulse	0.1000	3
He	Bi	209	135869.38	0.6	100.7	Pulse	0.1000	3

No Gas

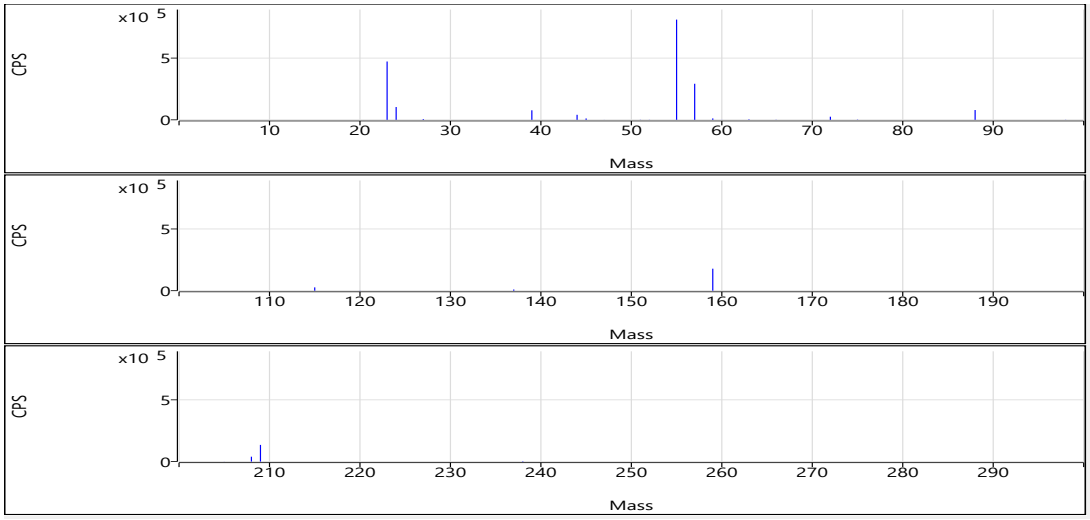


H2



Quantitation Report

He



Quantitation Report

Data File Name	171SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:16:03 PM
Sample Name	410-234682-K-6-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

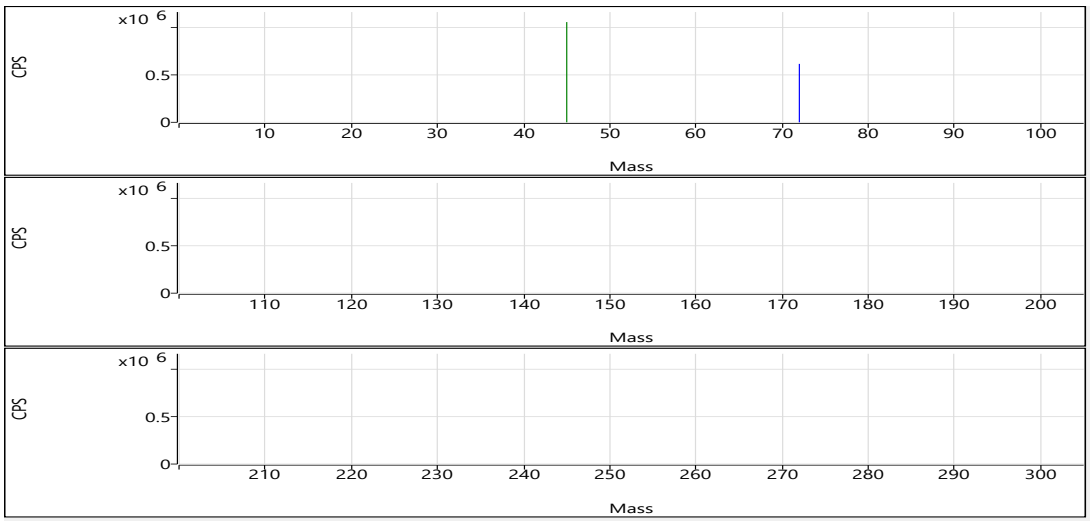
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.003	ug/L	N/A	24.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.091	ppb	117.1	4.44	0.0001	Pulse	1.5000	3
Na	23	72	He	13937.294	ug/L	2.3	648796.22	25.5170	Pulse	0.1000	3
Mg	24	72	He	2597.813	ug/L	3.3	61649.83	2.4249	Pulse	0.1000	3
Al	27	72	He	8.797	ug/L	61.2	103.34	0.0041	Pulse	0.1000	3
K	39	72	He	3179.011	ppb	3.7	44681.07	1.7574	Pulse	0.1000	3
Ca	44	72	He	33112.199	ppb	2.3	29361.21	1.1547	Pulse	0.1000	3
Ti	47	159	He	-0.011	ppb	N/A	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.265	ppb	27.5	222.67	0.0088	Pulse	0.5000	3
Cr	52	45	He	0.184	ppb	32.7	600.03	0.0529	Pulse	0.1000	3
Mn	55	45	He	508.904	ppb	1.0	101095.99	8.9084	Pulse	0.1000	3
Fe	57	72	He	17368.508	ppb	1.9	195746.26	7.6982	Pulse	0.1000	3
Co	59	72	He	0.102	ppb	42.0	243.35	0.0096	Pulse	0.1000	3
Ni	60	72	He	0.061	ppb	116.7	176.68	0.0069	Pulse	0.1000	3
Cu	63	72	He	0.802	ppb	2.3	1016.74	0.0400	Pulse	0.1000	3
Zn	66	72	He	1.871	ppb	48.9	233.35	0.0092	Pulse	0.1000	3
As	75	45	He	9.658	ppb	8.5	562.68	0.0496	Pulse	0.5000	3
Sr	88	159	He	208.409	ppb	1.2	51219.49	0.2866	Pulse	0.1000	3
Mo	98	159	He	0.363	ppb	12.9	400.02	0.0022	Pulse	0.1000	3
Ag	107	159	He	0.012	ppb	95.3	56.67	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.009	ppb	294.4	5.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.688	ppb	N/A	1506.81	0.0084	Pulse	0.1000	3
Sb	121	159	He	0.123	ppb	31.2	70.00	0.0004	Pulse	0.1000	3
Ba	137	159	He	18.440	ppb	5.6	3797.36	0.0212	Pulse	0.1000	3
Tl	205	159	He	0.007	ppb	45.8	283.34	0.0016	Pulse	0.1000	3
Pb	208	159	He	0.566	ppb	9.4	2393.65	0.0134	Pulse	0.1000	3
U	238	209	He	0.032	ppb	36.4	476.70	0.0034	Pulse	0.1000	3

ISTD Table:

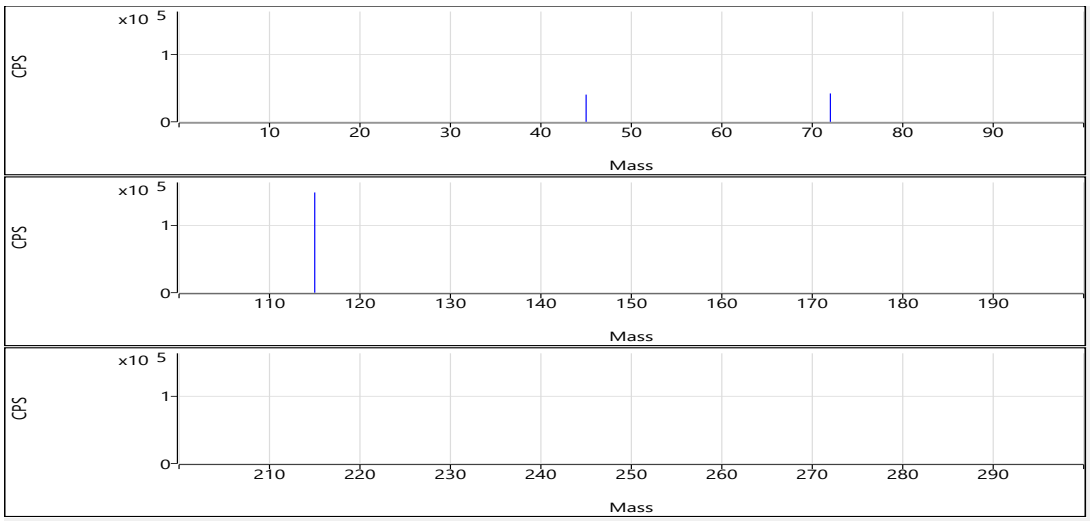
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1059425.03	0.7	101.3	Analog	0.1000	3
No Gas	Ge	72	617501.14	0.6	102.7	Pulse	0.1000	3
H2	Sc	45	40492.20	1.8	95.8	Pulse	0.1000	3
H2	Ge	72	42208.37	2.1	96.2	Pulse	0.1000	3
H2	In	115	149161.00	1.4	99.0	Pulse	0.1000	3
He	Sc	45	11348.32	0.7	99.4	Pulse	0.1000	3
He	Ge	72	25434.08	2.2	100.4	Pulse	0.1000	3
He	In	115	27712.47	1.8	101.5	Pulse	0.1000	3
He	Tb	159	178702.21	0.6	101.3	Pulse	0.1000	3
He	Bi	209	139652.43	1.4	103.5	Pulse	0.1000	3

No Gas

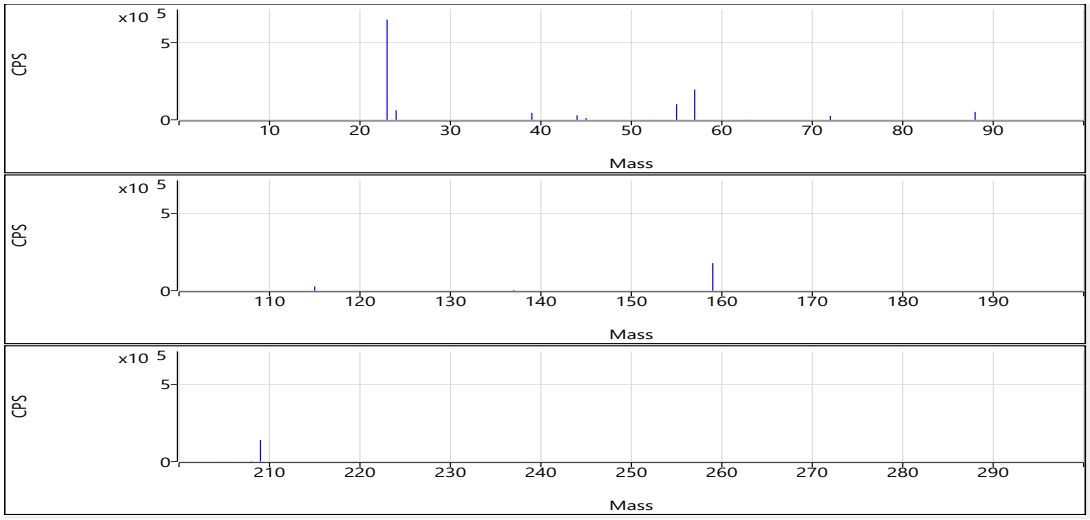


H2



Quantitation Report

He



Quantitation Report

Data File Name	172SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:18:03 PM
Sample Name	410-234682-K-5-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

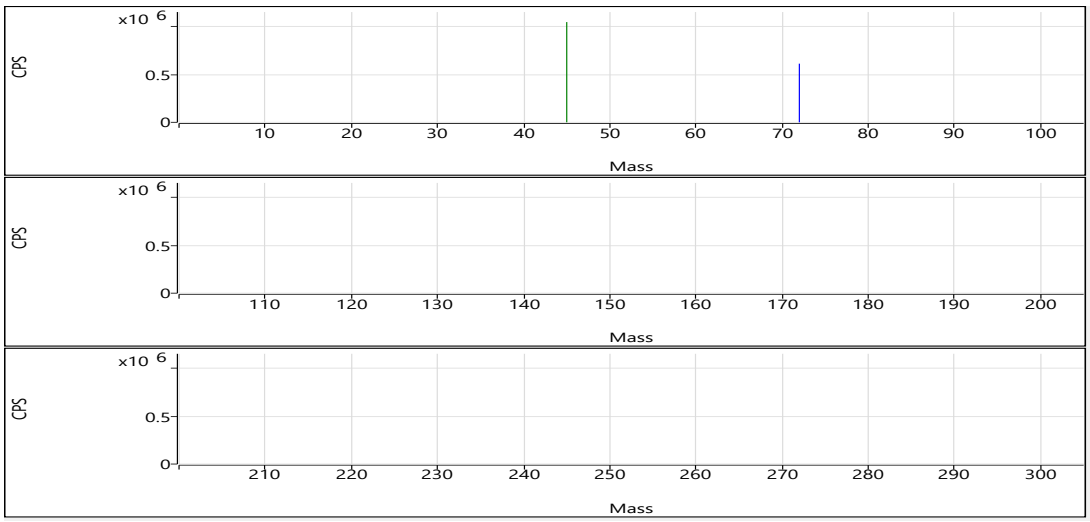
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.008	ug/L	N/A	22.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.892	ppb	35.0	25.11	0.0006	Pulse	1.5000	3
Na	23	72	He	3652.416	ug/L	1.2	172932.34	6.8518	Pulse	0.1000	3
Mg	24	72	He	2925.568	ug/L	1.1	68902.59	2.7300	Pulse	0.1000	3
Al	27	72	He	21.286	ug/L	14.4	183.34	0.0073	Pulse	0.1000	3
K	39	72	He	2922.206	ppb	0.6	40936.32	1.6219	Pulse	0.1000	3
Ca	44	72	He	29381.141	ppb	3.0	25861.08	1.0247	Pulse	0.1000	3
Ti	47	159	He	-0.450	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.464	ppb	16.1	300.01	0.0119	Pulse	0.5000	3
Cr	52	45	He	0.129	ppb	146.5	556.70	0.0503	Pulse	0.1000	3
Mn	55	45	He	37.451	ppb	5.8	7335.52	0.6598	Pulse	0.1000	3
Fe	57	72	He	141.664	ppb	2.9	1673.49	0.0663	Pulse	0.1000	3
Co	59	72	He	0.436	ppb	1.7	673.38	0.0267	Pulse	0.1000	3
Ni	60	72	He	0.382	ppb	37.9	293.35	0.0116	Pulse	0.1000	3
Cu	63	72	He	1.325	ppb	7.9	1580.15	0.0626	Pulse	0.1000	3
Zn	66	72	He	20.403	ppb	2.3	2046.89	0.0811	Pulse	0.1000	3
As	75	45	He	1.082	ppb	17.4	70.67	0.0064	Pulse	0.5000	3
Sr	88	159	He	115.856	ppb	2.1	28193.02	0.1602	Pulse	0.1000	3
Mo	98	159	He	1.384	ppb	9.0	1333.45	0.0076	Pulse	0.1000	3
Ag	107	159	He	0.003	ppb	228.4	36.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.076	ppb	19.3	19.33	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.376	ppb	N/A	1660.16	0.0094	Pulse	0.1000	3
Sb	121	159	He	0.118	ppb	10.2	66.67	0.0004	Pulse	0.1000	3
Ba	137	159	He	9.747	ppb	13.4	2376.98	0.0135	Pulse	0.1000	3
Tl	205	159	He	0.017	ppb	93.1	336.69	0.0019	Pulse	0.1000	3
Pb	208	159	He	0.739	ppb	5.0	3030.49	0.0172	Pulse	0.1000	3
U	238	209	He	0.049	ppb	16.4	616.71	0.0045	Pulse	0.1000	3

ISTD Table:

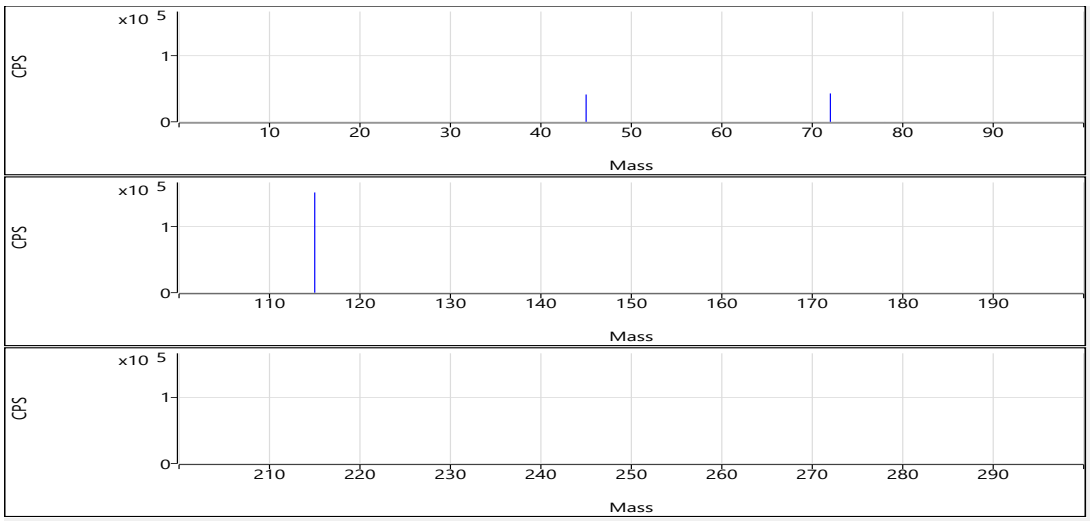
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1046152.54	1.2	100.1	Analog	0.1000	3
No Gas	Ge	72	612004.72	0.5	101.8	Pulse	0.1000	3
H2	Sc	45	41107.44	0.6	97.3	Pulse	0.1000	3
H2	Ge	72	42703.13	0.9	97.3	Pulse	0.1000	3
H2	In	115	150868.64	0.7	100.1	Pulse	0.1000	3
He	Sc	45	11104.76	3.0	97.2	Pulse	0.1000	3
He	Ge	72	25240.46	0.9	99.6	Pulse	0.1000	3
He	In	115	27515.44	3.4	100.8	Pulse	0.1000	3
He	Tb	159	175951.10	0.7	99.8	Pulse	0.1000	3
He	Bi	209	136772.87	1.0	101.4	Pulse	0.1000	3

No Gas

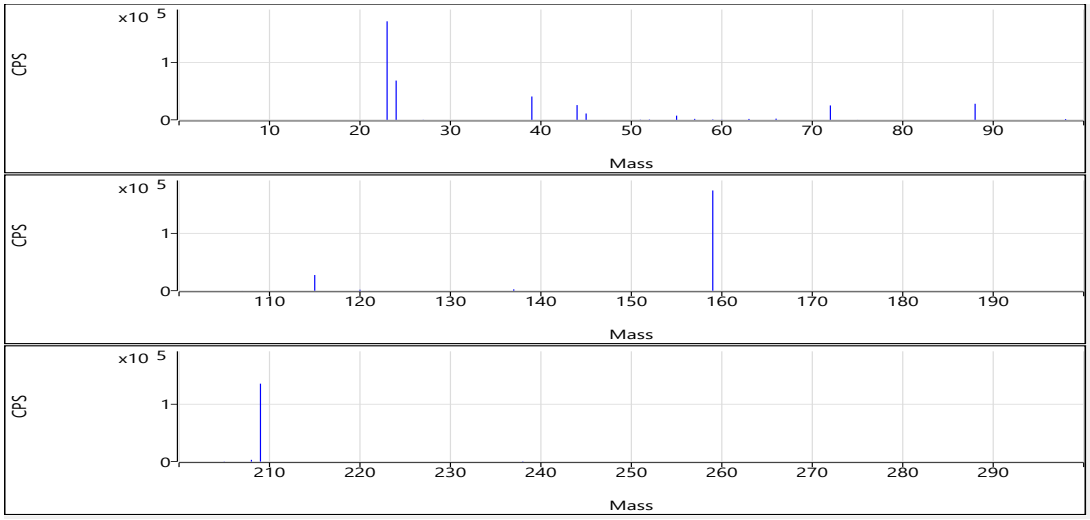


H2



Quantitation Report

He



Quantitation Report

Data File Name	174_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:22:04 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

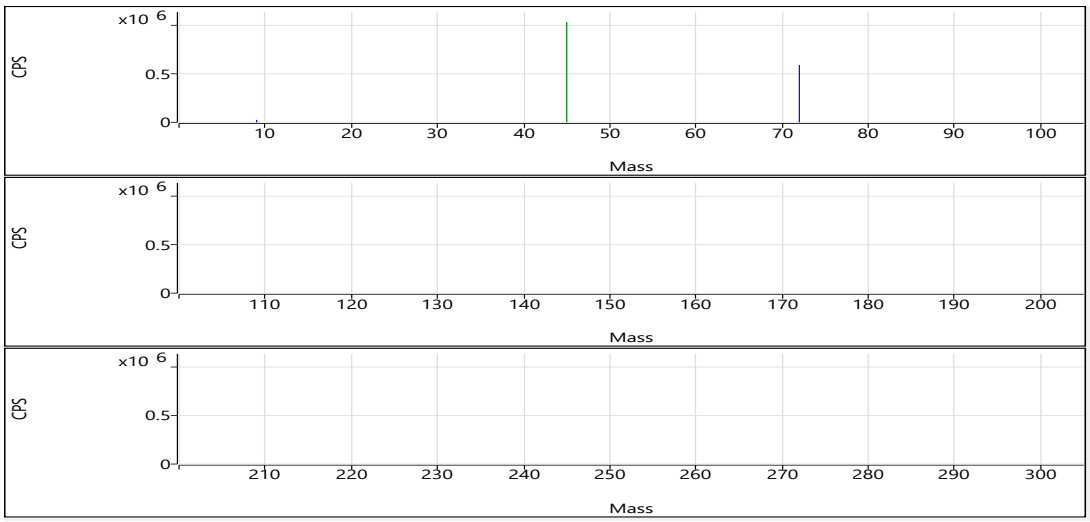
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.361	ug/L	0.2	25137.76	0.0244	Pulse	0.5000	3
Se	78	72	H2	50.123	ppb	6.3	1278.06	0.0303	Pulse	1.5000	3
Na	23	72	He	6283.495	ug/L	34.1	294276.00	11.6268	Mix	0.1000	3
Mg	24	72	He	5246.390	ug/L	5.8	122370.82	4.8907	Pulse	0.1000	3
Al	27	72	He	4891.477	ug/L	6.6	31034.87	1.2465	Pulse	0.1000	3
K	39	72	He	5043.524	ppb	2.6	68481.67	2.7413	Pulse	0.1000	3
Ca	44	72	He	7388.747	ppb	49.9	6583.86	0.2584	Pulse	0.1000	3
Ti	47	159	He	4685.239	ppb	8.9	35512.27	0.1962	Pulse	0.1000	3
V	51	72	He	483.548	ppb	8.4	189055.47	7.6000	Pulse	0.5000	3
Cr	52	45	He	486.694	ppb	4.7	260338.22	22.7359	Pulse	0.1000	3
Mn	55	45	He	500.440	ppb	1.4	100381.27	8.7603	Pulse	0.1000	3
Fe	57	72	He	5086.129	ppb	4.4	56429.34	2.2568	Pulse	0.1000	3
Co	59	72	He	468.103	ppb	8.0	596395.37	23.9708	Pulse	0.1000	3
Ni	60	72	He	489.185	ppb	8.7	177852.95	7.1505	Pulse	0.1000	3
Cu	63	72	He	489.270	ppb	7.8	527186.67	21.1874	Pulse	0.1000	3
Zn	66	72	He	481.164	ppb	9.5	46444.86	1.8680	Pulse	0.1000	3
As	75	45	He	493.907	ppb	5.4	28492.56	2.4886	Pulse	0.5000	3
Sr	88	159	He	97.475	ppb	83.2	25210.74	0.1351	Pulse	0.1000	3
Mo	98	159	He	50.493	ppb	3.3	47982.32	0.2645	Pulse	0.1000	3
Ag	107	159	He	48.642	ppb	6.1	109822.12	0.6060	Pulse	0.1000	3
Cd	111	159	He	48.559	ppb	6.3	10515.44	0.0580	Pulse	0.5000	3
Sn	120	159	He	47.634	ppb	4.9	29600.26	0.1633	Pulse	0.1000	3
Sb	121	159	He	47.969	ppb	5.1	22426.05	0.1237	Pulse	0.1000	3
Ba	137	159	He	654.347	ppb	41.8	108053.49	0.5870	Pulse	0.1000	3
Tl	205	159	He	49.025	ppb	3.9	281649.62	1.5529	Pulse	0.1000	3
Pb	208	159	He	48.723	ppb	4.0	194984.84	1.0752	Pulse	0.1000	3
U	238	209	He	47.333	ppb	7.1	443432.45	3.1459	Pulse	0.1000	3

ISTD Table:

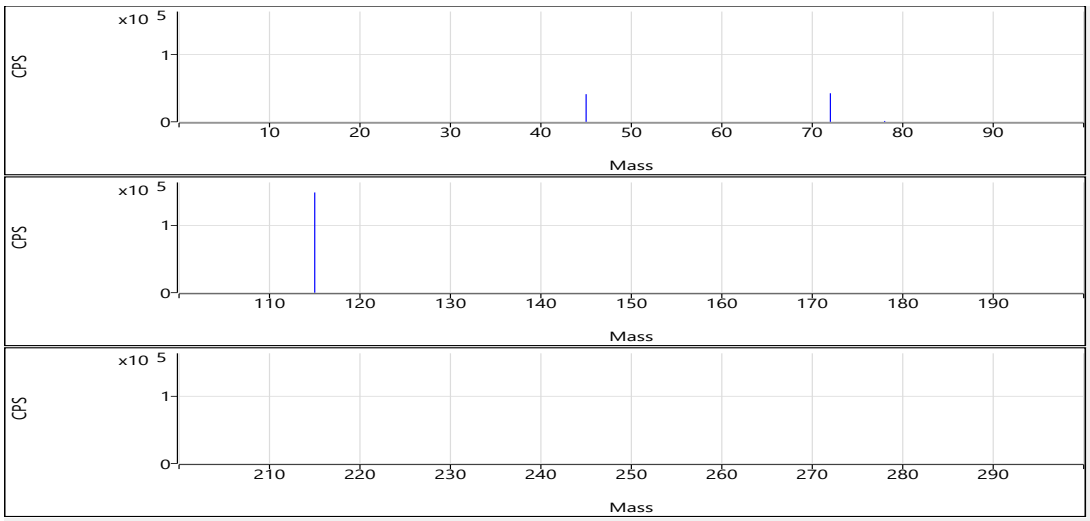
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1030850.37	0.9	98.6	Analog	0.1000	3
No Gas	Ge	72	589623.10	0.4	98.1	Pulse	0.1000	3
H2	Sc	45	40873.39	1.9	96.7	Pulse	0.1000	3
H2	Ge	72	42218.19	3.4	96.2	Pulse	0.1000	3
H2	In	115	148222.33	1.2	98.4	Pulse	0.1000	3
He	Sc	45	11458.47	2.4	100.3	Pulse	0.1000	3
He	Ge	72	24963.35	6.3	98.6	Pulse	0.1000	3
He	In	115	28103.50	4.6	103.0	Pulse	0.1000	3
He	Tb	159	181581.67	5.0	102.9	Pulse	0.1000	3
He	Bi	209	141413.13	6.9	104.9	Pulse	0.1000	3

No Gas

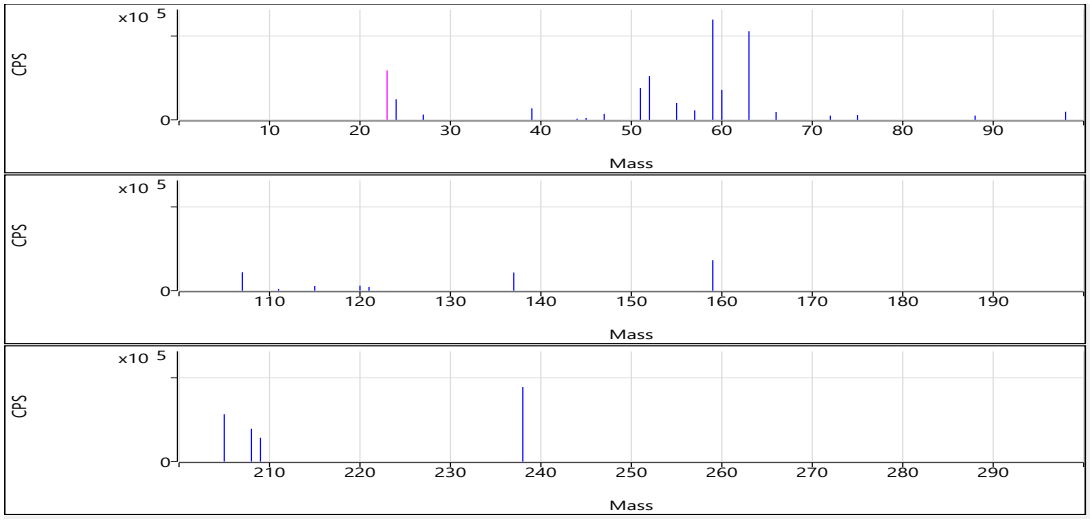


H2



Quantitation Report

He



Quantitation Report

Data File Name	176_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:26:04 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

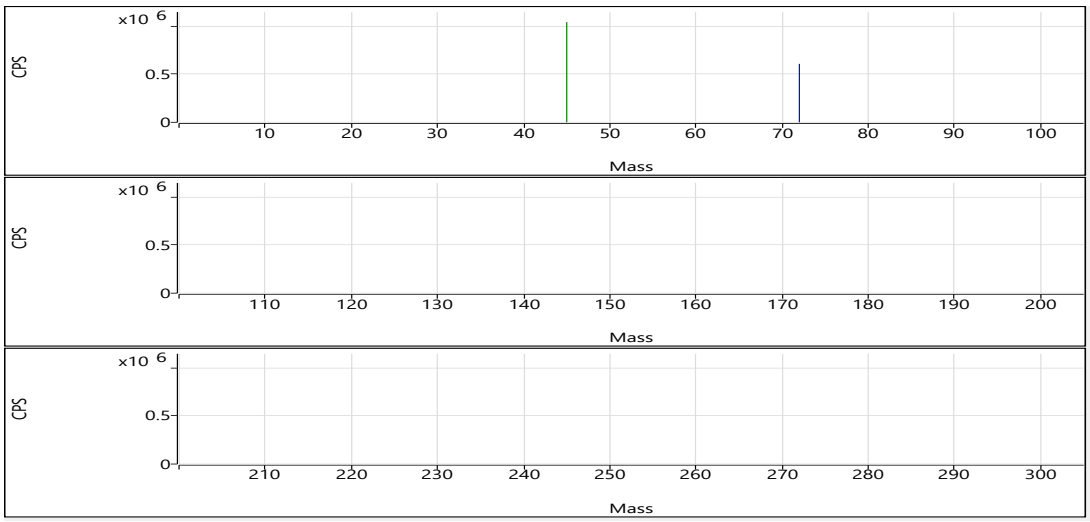
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.060	ug/L	2.9	57.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.058	ppb	119.7	3.55	0.0001	Pulse	1.5000	3
Na	23	72	He	90.952	ug/L	35.6	9803.79	0.3884	Pulse	0.1000	3
Mg	24	72	He	40.301	ug/L	46.4	1110.08	0.0438	Pulse	0.1000	3
Al	27	72	He	3.651	ug/L	70.5	70.00	0.0028	Pulse	0.1000	3
K	39	72	He	36.644	ppb	56.8	2503.66	0.0992	Pulse	0.1000	3
Ca	44	72	He	154.399	ppb	67.5	160.01	0.0063	Pulse	0.1000	3
Ti	47	159	He	0.464	ppb	293.2	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.286	ppb	9.9	229.33	0.0091	Pulse	0.5000	3
Cr	52	45	He	0.003	ppb	5362.4	496.69	0.0444	Pulse	0.1000	3
Mn	55	45	He	1.510	ppb	42.2	346.68	0.0310	Pulse	0.1000	3
Fe	57	72	He	22.712	ppb	12.9	343.35	0.0136	Pulse	0.1000	3
Co	59	72	He	0.169	ppb	67.6	330.02	0.0130	Pulse	0.1000	3
Ni	60	72	He	0.263	ppb	58.8	250.01	0.0099	Pulse	0.1000	3
Cu	63	72	He	0.385	ppb	23.4	553.37	0.0219	Pulse	0.1000	3
Zn	66	72	He	0.038	ppb	167.4	53.33	0.0021	Pulse	0.1000	3
As	75	45	He	0.089	ppb	63.1	15.33	0.0014	Pulse	0.5000	3
Sr	88	159	He	2.546	ppb	78.3	960.08	0.0055	Pulse	0.1000	3
Mo	98	159	He	0.128	ppb	53.1	176.68	0.0010	Pulse	0.1000	3
Ag	107	159	He	0.052	ppb	48.5	143.34	0.0008	Pulse	0.1000	3
Cd	111	159	He	0.032	ppb	89.6	10.00	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.001	ppb	N/A	1863.54	0.0106	Pulse	0.1000	3
Sb	121	159	He	0.082	ppb	82.6	50.00	0.0003	Pulse	0.1000	3
Ba	137	159	He	7.252	ppb	64.0	1973.56	0.0113	Pulse	0.1000	3
Tl	205	159	He	0.047	ppb	31.7	500.03	0.0029	Pulse	0.1000	3
Pb	208	159	He	0.100	ppb	20.7	546.70	0.0031	Pulse	0.1000	3
U	238	209	He	0.016	ppb	42.9	320.02	0.0023	Pulse	0.1000	3

ISTD Table:

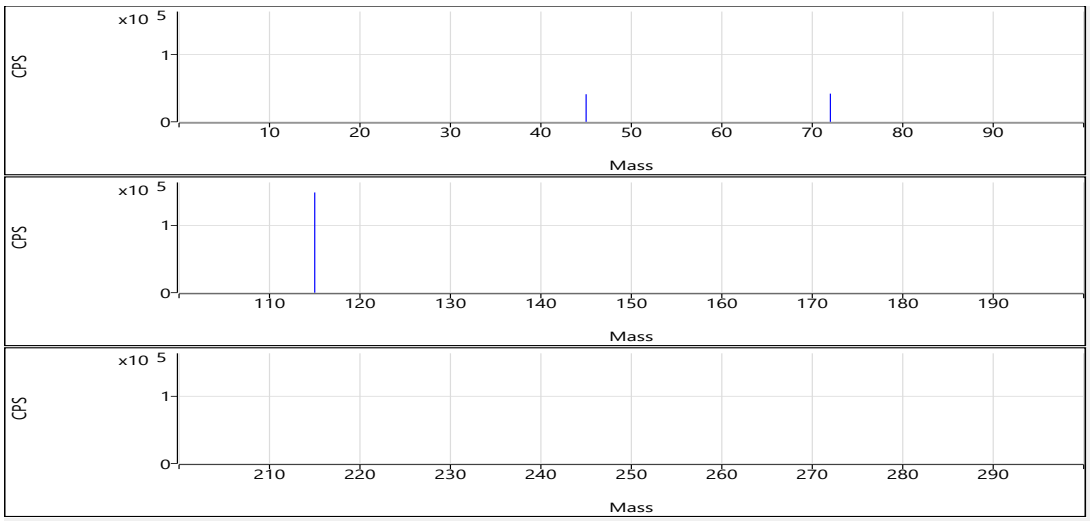
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1040291.86	0.6	99.5	Analog	0.1000	3
No Gas	Ge	72	606588.87	0.3	100.9	Pulse	0.1000	3
H2	Sc	45	40859.81	0.8	96.7	Pulse	0.1000	3
H2	Ge	72	41753.70	1.8	95.2	Pulse	0.1000	3
H2	In	115	148520.61	0.9	98.6	Pulse	0.1000	3
He	Sc	45	11191.54	2.0	98.0	Pulse	0.1000	3
He	Ge	72	25190.20	2.2	99.4	Pulse	0.1000	3
He	In	115	26543.43	3.5	97.2	Pulse	0.1000	3
He	Tb	159	175232.86	1.1	99.3	Pulse	0.1000	3
He	Bi	209	136718.04	1.2	101.4	Pulse	0.1000	3

No Gas

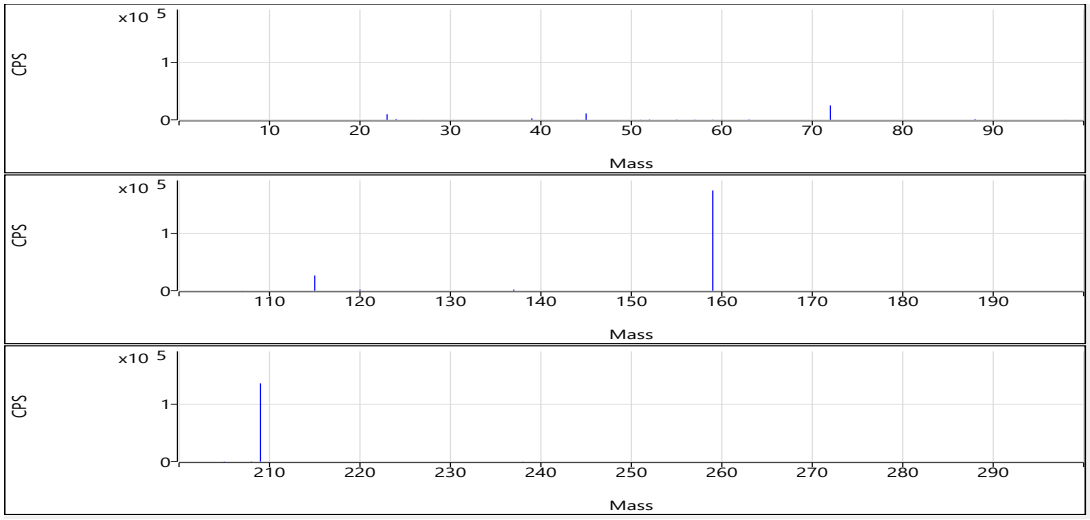


H2



Quantitation Report

He



Quantitation Report

Data File Name	177SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:28:04 PM
Sample Name	410-234682-K-10-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

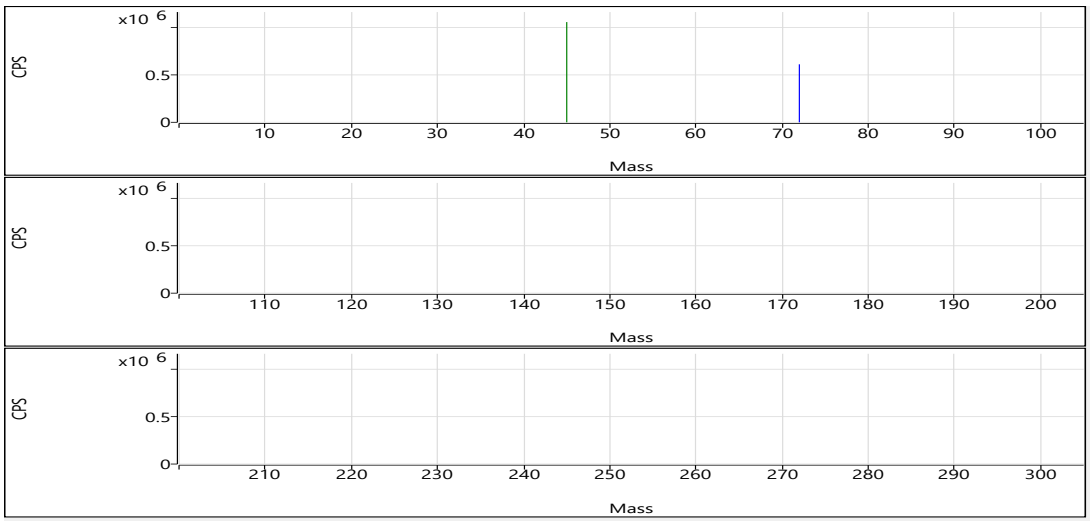
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.007	ug/L	108.3	30.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.011	ppb	352.9	2.44	0.0001	Pulse	1.5000	3
Na	23	72	He	9908.236	ug/L	0.9	474808.22	18.2050	Pulse	0.1000	3
Mg	24	72	He	2610.585	ug/L	0.9	63554.88	2.4368	Pulse	0.1000	3
Al	27	72	He	4.284	ug/L	86.4	76.67	0.0029	Pulse	0.1000	3
K	39	72	He	3186.121	ppb	1.1	45935.14	1.7612	Pulse	0.1000	3
Ca	44	72	He	34960.237	ppb	1.6	31800.16	1.2191	Pulse	0.1000	3
Ti	47	159	He	0.001	ppb	63700.7	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.115	ppb	31.4	167.33	0.0064	Pulse	0.5000	3
Cr	52	45	He	-0.060	ppb	N/A	460.02	0.0415	Pulse	0.1000	3
Mn	55	45	He	970.935	ppb	4.4	188288.92	16.9921	Pulse	0.1000	3
Fe	57	72	He	21939.625	ppb	1.4	253621.33	9.7233	Pulse	0.1000	3
Co	59	72	He	0.140	ppb	42.2	300.01	0.0115	Pulse	0.1000	3
Ni	60	72	He	0.102	ppb	100.4	196.68	0.0075	Pulse	0.1000	3
Cu	63	72	He	0.564	ppb	3.8	773.39	0.0297	Pulse	0.1000	3
Zn	66	72	He	1.138	ppb	26.8	166.68	0.0064	Pulse	0.1000	3
As	75	45	He	26.448	ppb	8.2	1484.76	0.1341	Pulse	0.5000	3
Sr	88	159	He	215.441	ppb	3.3	52016.47	0.2962	Pulse	0.1000	3
Mo	98	159	He	1.617	ppb	12.2	1543.48	0.0088	Pulse	0.1000	3
Ag	107	159	He	0.020	ppb	93.2	73.33	0.0004	Pulse	0.1000	3
Cd	111	159	He	0.003	ppb	289.2	4.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.551	ppb	N/A	1560.15	0.0089	Pulse	0.1000	3
Sb	121	159	He	0.036	ppb	156.4	30.00	0.0002	Pulse	0.1000	3
Ba	137	159	He	17.381	ppb	5.2	3563.95	0.0203	Pulse	0.1000	3
Tl	205	159	He	-0.006	ppb	N/A	206.68	0.0012	Pulse	0.1000	3
Pb	208	159	He	0.359	ppb	6.4	1550.16	0.0088	Pulse	0.1000	3
U	238	209	He	0.010	ppb	27.3	260.01	0.0019	Pulse	0.1000	3

ISTD Table:

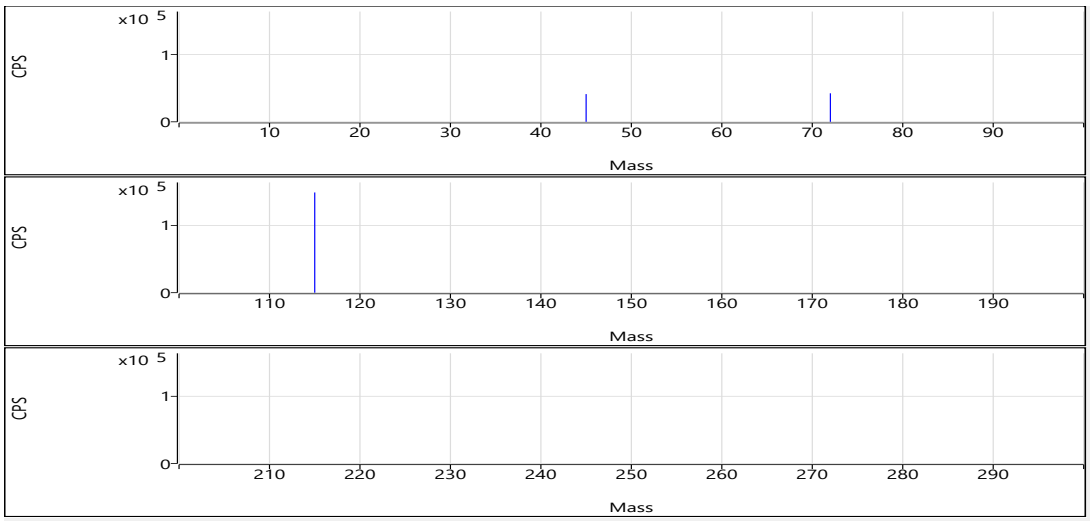
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1060733.32	0.4	101.5	Analog	0.1000	3
No Gas	Ge	72	613729.71	0.9	102.1	Pulse	0.1000	3
H2	Sc	45	41378.30	1.0	97.9	Pulse	0.1000	3
H2	Ge	72	42569.48	0.8	97.0	Pulse	0.1000	3
H2	In	115	149648.48	1.2	99.3	Pulse	0.1000	3
He	Sc	45	11094.72	4.4	97.1	Pulse	0.1000	3
He	Ge	72	26081.86	0.8	103.0	Pulse	0.1000	3
He	In	115	27194.75	3.9	99.6	Pulse	0.1000	3
He	Tb	159	175611.08	1.8	99.6	Pulse	0.1000	3
He	Bi	209	136125.17	1.3	100.9	Pulse	0.1000	3

No Gas

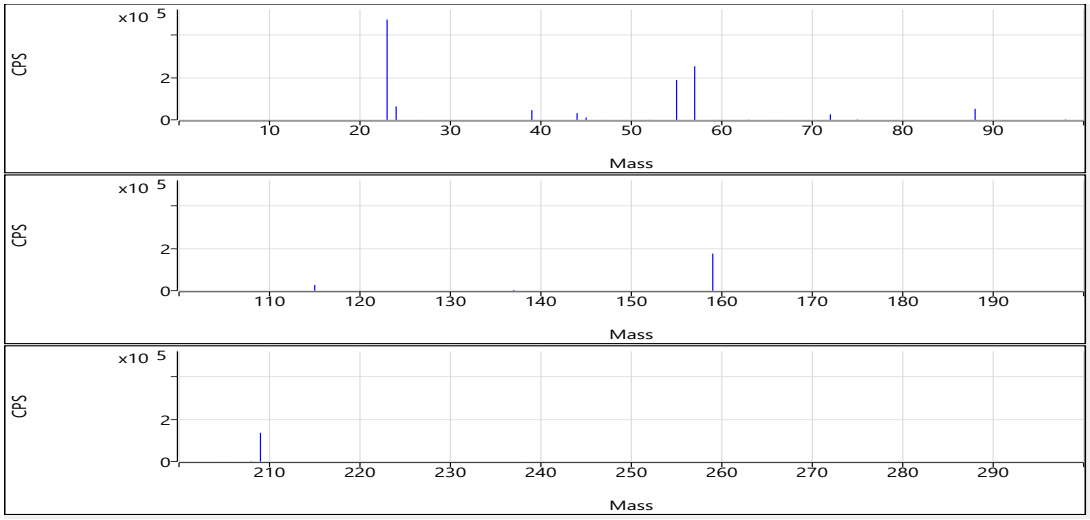


H2



Quantitation Report

He



Quantitation Report

Data File Name	178SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:30:05 PM
Sample Name	410-234682-K-11-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

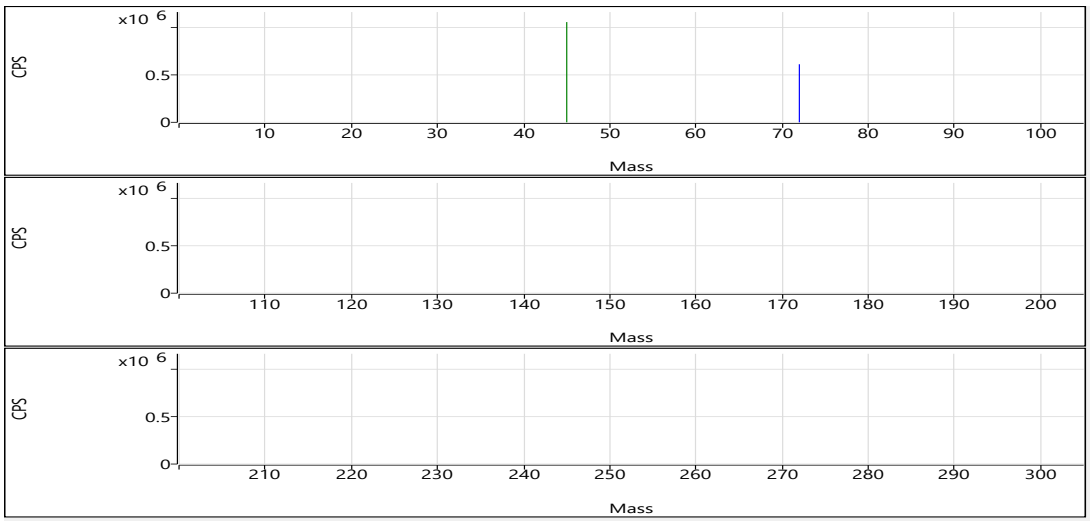
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.006	ug/L	367.9	29.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.147	ppb	18.1	6.00	0.0001	Pulse	1.5000	3
Na	23	72	He	14571.319	ug/L	2.6	687282.96	26.6677	Pulse	0.1000	3
Mg	24	72	He	3600.955	ug/L	2.9	86557.99	3.3588	Pulse	0.1000	3
Al	27	72	He	7.978	ug/L	14.8	100.00	0.0039	Pulse	0.1000	3
K	39	72	He	3715.666	ppb	3.3	52584.77	2.0406	Pulse	0.1000	3
Ca	44	72	He	45535.007	ppb	1.4	40926.52	1.5876	Pulse	0.1000	3
Ti	47	159	He	0.444	ppb	300.4	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.145	ppb	36.8	177.33	0.0069	Pulse	0.5000	3
Cr	52	45	He	-0.162	ppb	N/A	416.69	0.0367	Pulse	0.1000	3
Mn	55	45	He	949.799	ppb	3.5	188525.15	16.6223	Pulse	0.1000	3
Fe	57	72	He	6901.078	ppb	2.6	78885.25	3.0609	Pulse	0.1000	3
Co	59	72	He	0.236	ppb	17.6	423.36	0.0164	Pulse	0.1000	3
Ni	60	72	He	0.288	ppb	86.4	263.35	0.0103	Pulse	0.1000	3
Cu	63	72	He	0.340	ppb	29.2	516.70	0.0200	Pulse	0.1000	3
Zn	66	72	He	0.225	ppb	65.9	73.33	0.0028	Pulse	0.1000	3
As	75	45	He	5.644	ppb	6.2	333.34	0.0293	Pulse	0.5000	3
Sr	88	159	He	284.717	ppb	4.9	68853.49	0.3908	Pulse	0.1000	3
Mo	98	159	He	0.799	ppb	10.3	796.72	0.0045	Pulse	0.1000	3
Ag	107	159	He	0.011	ppb	62.7	53.33	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.013	ppb	76.1	6.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.726	ppb	N/A	1463.47	0.0083	Pulse	0.1000	3
Sb	121	159	He	0.118	ppb	29.2	66.67	0.0004	Pulse	0.1000	3
Ba	137	159	He	18.985	ppb	5.0	3830.70	0.0217	Pulse	0.1000	3
Tl	205	159	He	-0.005	ppb	N/A	216.68	0.0012	Pulse	0.1000	3
Pb	208	159	He	0.354	ppb	10.9	1540.14	0.0087	Pulse	0.1000	3
U	238	209	He	0.072	ppb	17.1	823.39	0.0060	Pulse	0.1000	3

ISTD Table:

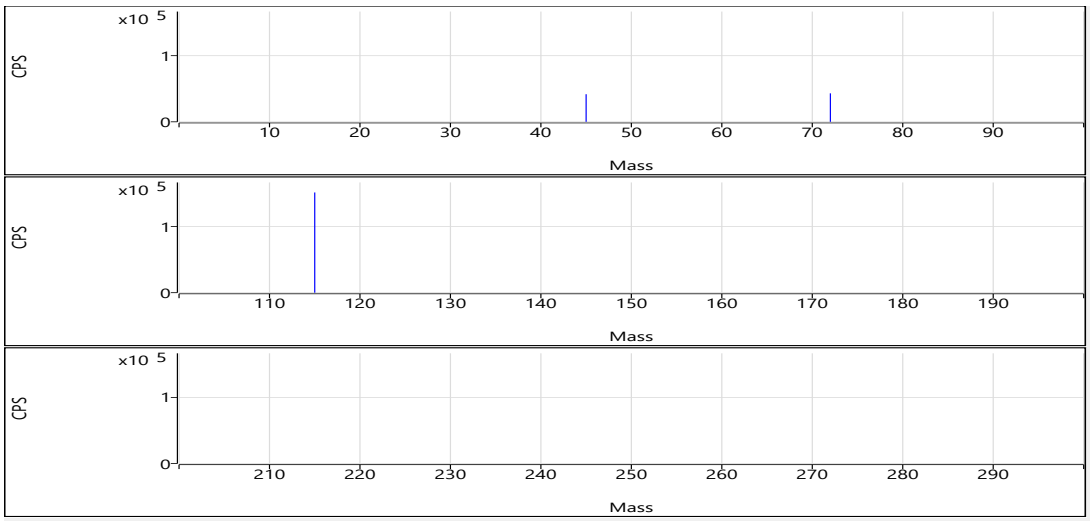
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1058877.88	0.8	101.3	Analog	0.1000	3
No Gas	Ge	72	613183.16	1.3	102.0	Pulse	0.1000	3
H2	Sc	45	41659.04	1.9	98.6	Pulse	0.1000	3
H2	Ge	72	42980.49	1.8	98.0	Pulse	0.1000	3
H2	In	115	151327.81	0.6	100.4	Pulse	0.1000	3
He	Sc	45	11351.67	3.8	99.4	Pulse	0.1000	3
He	Ge	72	25784.72	2.9	101.8	Pulse	0.1000	3
He	In	115	27585.36	2.7	101.1	Pulse	0.1000	3
He	Tb	159	176242.54	1.5	99.9	Pulse	0.1000	3
He	Bi	209	136614.12	2.3	101.3	Pulse	0.1000	3

No Gas

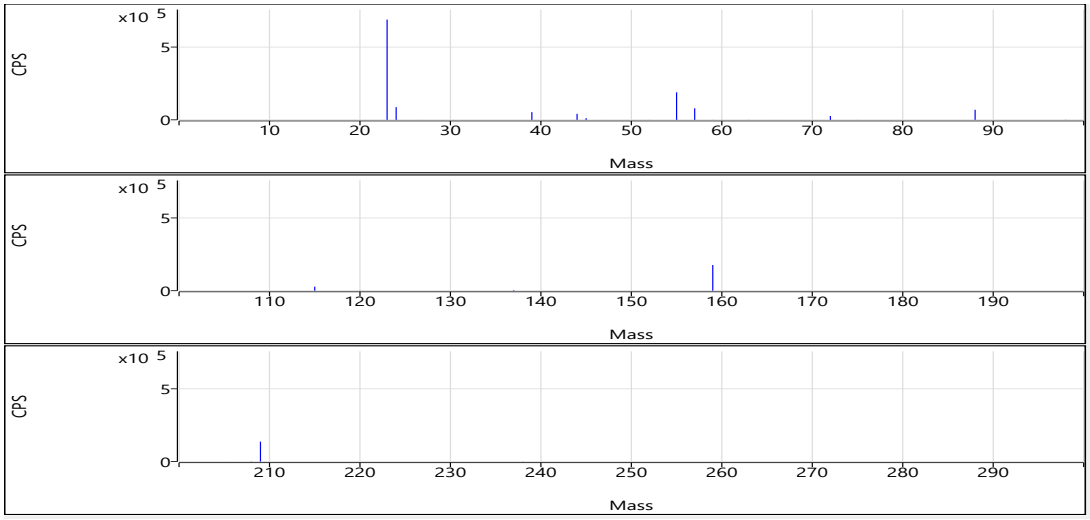


H2



Quantitation Report

He



Quantitation Report

Data File Name	179SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:32:05 PM
Sample Name	410-234682-K-8-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

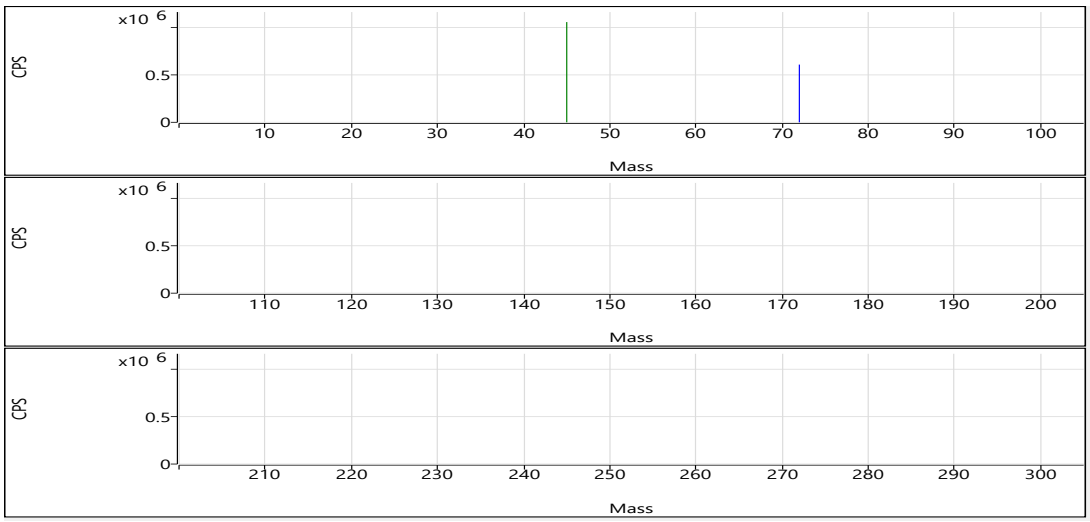
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.002	ug/L	N/A	25.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.015	ppb	N/A	1.78	0.0000	Pulse	1.5000	3
Na	23	72	He	68552.924	ug/L	2.8	3093500.58	124.6347	Analog	0.1000	3
Mg	24	72	He	12539.146	ug/L	2.8	289916.40	11.6803	Pulse	0.1000	3
Al	27	72	He	13.460	ug/L	56.2	130.00	0.0053	Pulse	0.1000	3
K	39	72	He	6286.913	ppb	4.6	84300.83	3.3974	Pulse	0.1000	3
Ca	44	72	He	46361.074	ppb	3.1	40117.72	1.6164	Pulse	0.1000	3
Ti	47	159	He	0.450	ppb	300.4	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.145	ppb	51.5	170.67	0.0069	Pulse	0.5000	3
Cr	52	45	He	-0.140	ppb	N/A	426.69	0.0378	Pulse	0.1000	3
Mn	55	45	He	10309.185	ppb	0.3	2037341.37	180.3747	Analog	0.1000	3
Fe	57	72	He	8008.745	ppb	3.2	88146.31	3.5516	Pulse	0.1000	3
Co	59	72	He	26.714	ppb	2.9	34055.71	1.3721	Pulse	0.1000	3
Ni	60	72	He	3.103	ppb	10.6	1273.45	0.0514	Pulse	0.1000	3
Cu	63	72	He	0.361	ppb	31.3	516.70	0.0209	Pulse	0.1000	3
Zn	66	72	He	3.691	ppb	17.6	403.35	0.0163	Pulse	0.1000	3
As	75	45	He	11.022	ppb	4.5	637.35	0.0564	Pulse	0.5000	3
Sr	88	159	He	458.218	ppb	2.0	110156.95	0.6278	Pulse	0.1000	3
Mo	98	159	He	1.166	ppb	5.9	1130.09	0.0064	Pulse	0.1000	3
Ag	107	159	He	0.017	ppb	109.4	66.67	0.0004	Pulse	0.1000	3
Cd	111	159	He	0.013	ppb	73.3	6.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.303	ppb	N/A	1696.85	0.0097	Pulse	0.1000	3
Sb	121	159	He	0.067	ppb	38.8	43.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	102.298	ppb	3.0	16821.14	0.0958	Pulse	0.1000	3
Tl	205	159	He	-0.016	ppb	N/A	153.34	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.139	ppb	2.6	700.05	0.0040	Pulse	0.1000	3
U	238	209	He	0.308	ppb	3.2	2917.11	0.0217	Pulse	0.1000	3

ISTD Table:

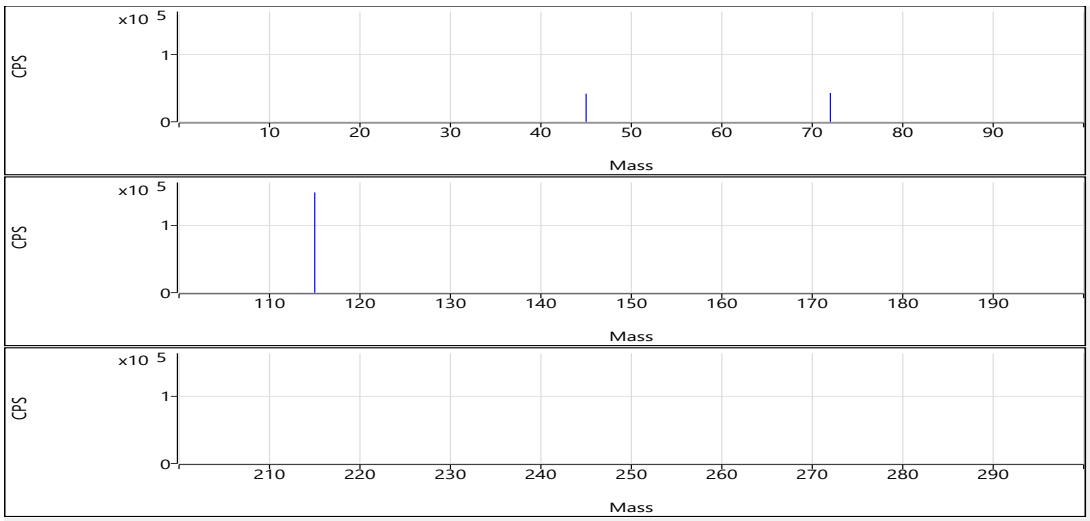
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1055072.64	0.2	100.9	Analog	0.1000	3
No Gas	Ge	72	607354.70	0.3	101.0	Pulse	0.1000	3
H2	Sc	45	41789.25	1.2	98.9	Pulse	0.1000	3
H2	Ge	72	42847.01	2.1	97.7	Pulse	0.1000	3
H2	In	115	148887.65	0.8	98.8	Pulse	0.1000	3
He	Sc	45	11294.92	0.7	98.9	Pulse	0.1000	3
He	Ge	72	24832.79	2.7	98.0	Pulse	0.1000	3
He	In	115	27121.37	0.5	99.4	Pulse	0.1000	3
He	Tb	159	175495.73	1.0	99.5	Pulse	0.1000	3
He	Bi	209	134308.69	0.7	99.6	Pulse	0.1000	3

No Gas

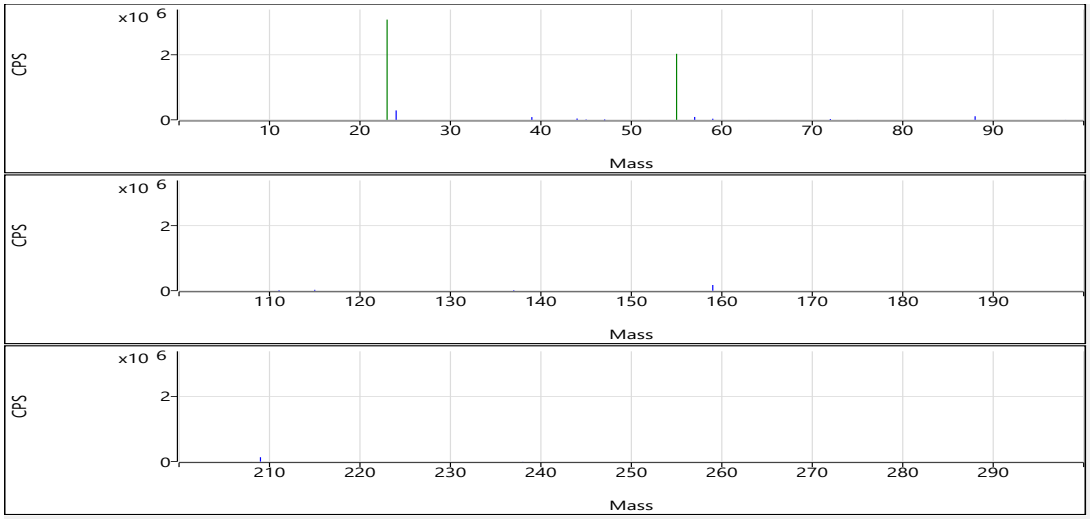


H2



Quantitation Report

He



Quantitation Report

Data File Name	179SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:34:29 PM
Sample Name	410-234682-K-8-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

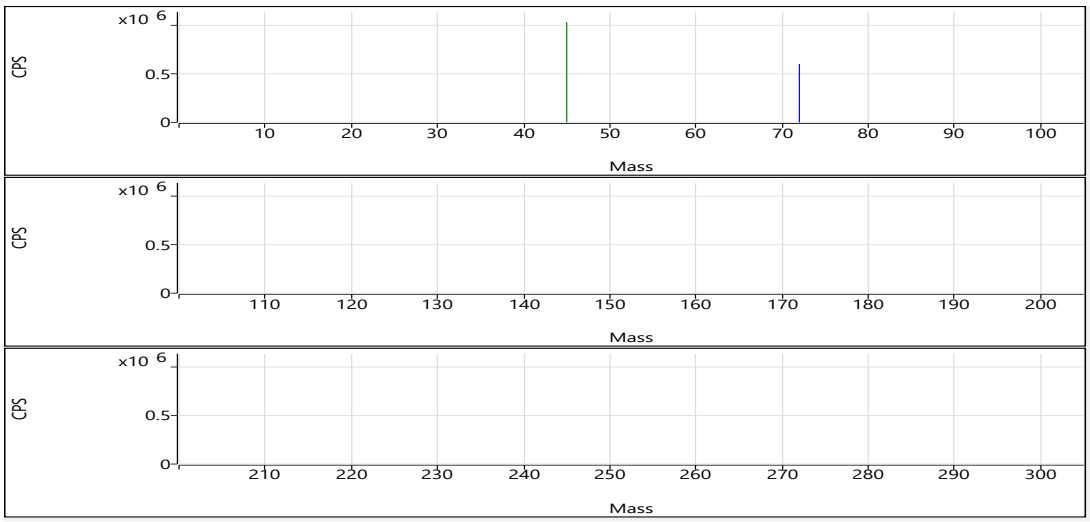
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.060	ug/L	N/A	19.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.160	ppb	N/A	1.33	0.0000	Pulse	1.5000	3
Na	23	72	He	68302.862	ug/L	4.0	625869.63	25.0148	Pulse	0.1000	3
Mg	24	72	He	12707.533	ug/L	4.0	59356.90	2.3725	Pulse	0.1000	3
Al	27	72	He	31.952	ug/L	22.4	86.67	0.0035	Pulse	0.1000	3
K	39	72	He	6123.379	ppb	3.5	18182.14	0.7261	Pulse	0.1000	3
Ca	44	72	He	47753.143	ppb	4.0	8349.40	0.3337	Pulse	0.1000	3
Ti	47	159	He	-4.516	ppb	0.0	0.00	0.0000	Pulse	0.1000	3
V	51	72	He	0.393	ppb	95.2	146.00	0.0058	Pulse	0.5000	3
Cr	52	45	He	-0.172	ppb	N/A	473.36	0.0427	Pulse	0.1000	3
Mn	55	45	He	10468.543	ppb	1.2	406328.13	36.6362	Pulse	0.1000	3
Fe	57	72	He	8251.969	ppb	3.2	18385.99	0.7347	Pulse	0.1000	3
Co	59	72	He	27.892	ppb	3.4	7258.84	0.2900	Pulse	0.1000	3
Ni	60	72	He	2.937	ppb	10.0	366.69	0.0146	Pulse	0.1000	3
Cu	63	72	He	0.710	ppb	28.7	286.68	0.0114	Pulse	0.1000	3
Zn	66	72	He	4.724	ppb	45.1	140.01	0.0056	Pulse	0.1000	3
As	75	45	He	12.103	ppb	13.2	145.33	0.0131	Pulse	0.5000	3
Sr	88	159	He	454.201	ppb	2.8	22168.39	0.1261	Pulse	0.1000	3
Mo	98	159	He	1.629	ppb	10.1	360.02	0.0020	Pulse	0.1000	3
Ag	107	159	He	0.046	ppb	134.7	50.00	0.0003	Pulse	0.1000	3
Cd	111	159	He	-0.015	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-3.771	ppb	N/A	1446.80	0.0082	Pulse	0.1000	3
Sb	121	159	He	0.663	ppb	53.6	73.33	0.0004	Pulse	0.1000	3
Ba	137	159	He	105.073	ppb	7.4	4137.47	0.0235	Pulse	0.1000	3
Tl	205	159	He	-0.044	ppb	N/A	193.34	0.0011	Pulse	0.1000	3
Pb	208	159	He	0.383	ppb	21.6	460.03	0.0026	Pulse	0.1000	3
U	238	209	He	0.324	ppb	7.4	746.72	0.0056	Pulse	0.1000	3

ISTD Table:

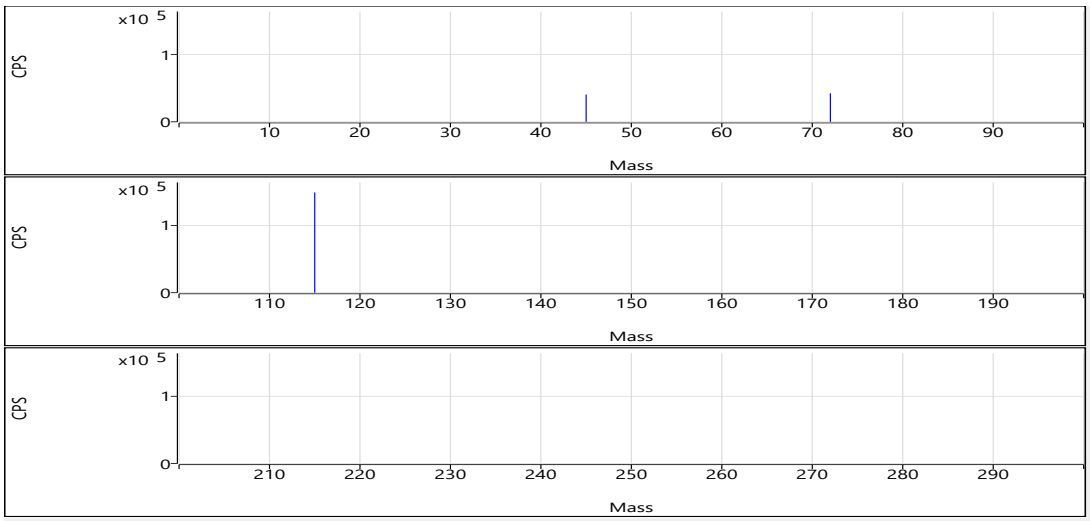
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1029370.92	0.9	98.5	Analog	0.1000	3
No Gas	Ge	72	599301.50	1.2	99.7	Pulse	0.1000	3
H2	Sc	45	40883.47	1.2	96.7	Pulse	0.1000	3
H2	Ge	72	42723.30	1.3	97.4	Pulse	0.1000	3
H2	In	115	150130.37	0.3	99.6	Pulse	0.1000	3
He	Sc	45	11091.43	1.2	97.1	Pulse	0.1000	3
He	Ge	72	25046.79	4.2	98.9	Pulse	0.1000	3
He	In	115	27064.58	2.1	99.2	Pulse	0.1000	3
He	Tb	159	175885.31	1.5	99.7	Pulse	0.1000	3
He	Bi	209	134207.99	1.3	99.5	Pulse	0.1000	3

No Gas

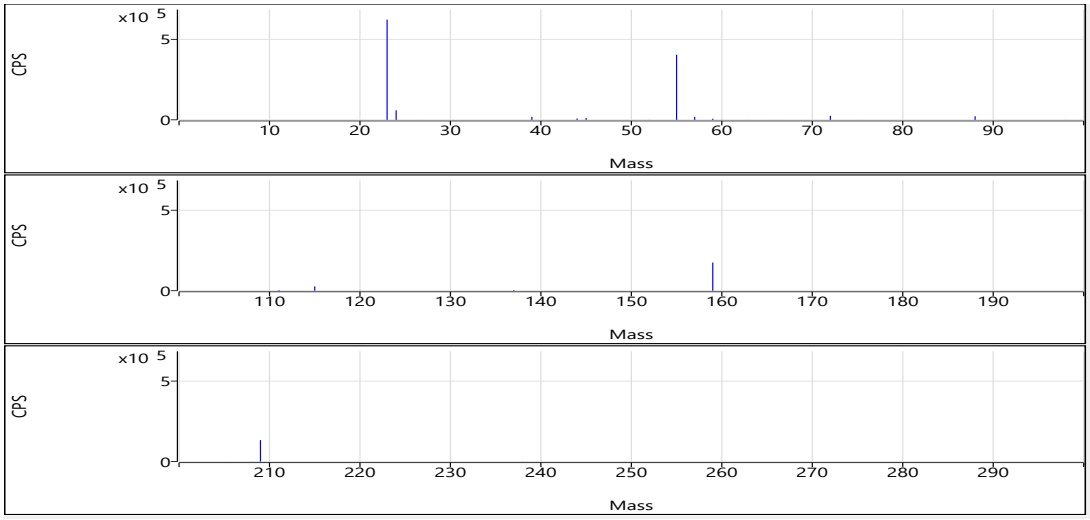


H2



Quantitation Report

He



Quantitation Report

Data File Name	180SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:36:23 PM
Sample Name	410-234682-K-12-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

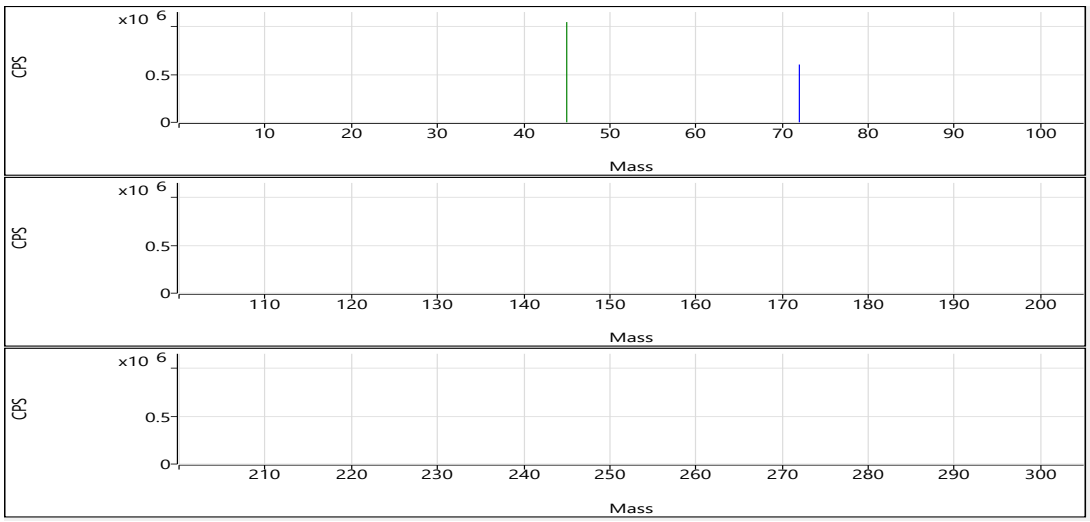
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.018	ug/L	N/A	16.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.003	ppb	887.7	2.22	0.0001	Pulse	1.5000	3
Na	23	72	He	12600.594	ug/L	1.6	580326.01	23.0912	Pulse	0.1000	3
Mg	24	72	He	3011.176	ug/L	1.7	70614.54	2.8097	Pulse	0.1000	3
Al	27	72	He	5.804	ug/L	43.9	83.33	0.0033	Pulse	0.1000	3
K	39	72	He	3686.317	ppb	3.3	50885.32	2.0251	Pulse	0.1000	3
Ca	44	72	He	41240.462	ppb	3.1	36136.96	1.4380	Pulse	0.1000	3
Ti	47	159	He	0.902	ppb	88.5	13.33	0.0001	Pulse	0.1000	3
V	51	72	He	0.145	ppb	32.9	173.33	0.0069	Pulse	0.5000	3
Cr	52	45	He	-0.095	ppb	N/A	450.02	0.0398	Pulse	0.1000	3
Mn	55	45	He	1130.128	ppb	2.2	224409.98	19.7774	Pulse	0.1000	3
Fe	57	72	He	12149.146	ppb	2.2	135348.56	5.3859	Pulse	0.1000	3
Co	59	72	He	0.231	ppb	13.9	406.69	0.0162	Pulse	0.1000	3
Ni	60	72	He	0.122	ppb	20.6	196.68	0.0078	Pulse	0.1000	3
Cu	63	72	He	0.425	ppb	12.3	593.36	0.0236	Pulse	0.1000	3
Zn	66	72	He	6.329	ppb	4.4	666.71	0.0265	Pulse	0.1000	3
As	75	45	He	8.505	ppb	8.3	497.34	0.0438	Pulse	0.5000	3
Sr	88	159	He	245.510	ppb	1.3	59659.94	0.3373	Pulse	0.1000	3
Mo	98	159	He	1.131	ppb	6.6	1106.76	0.0063	Pulse	0.1000	3
Ag	107	159	He	0.009	ppb	89.0	50.00	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.000	ppb	28081.7	3.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.513	ppb	N/A	1590.16	0.0090	Pulse	0.1000	3
Sb	121	159	He	0.029	ppb	173.8	26.67	0.0002	Pulse	0.1000	3
Ba	137	159	He	19.586	ppb	5.4	3937.40	0.0223	Pulse	0.1000	3
Tl	205	159	He	-0.016	ppb	N/A	153.34	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.474	ppb	18.0	2010.24	0.0114	Pulse	0.1000	3
U	238	209	He	0.028	ppb	36.4	423.36	0.0031	Pulse	0.1000	3

ISTD Table:

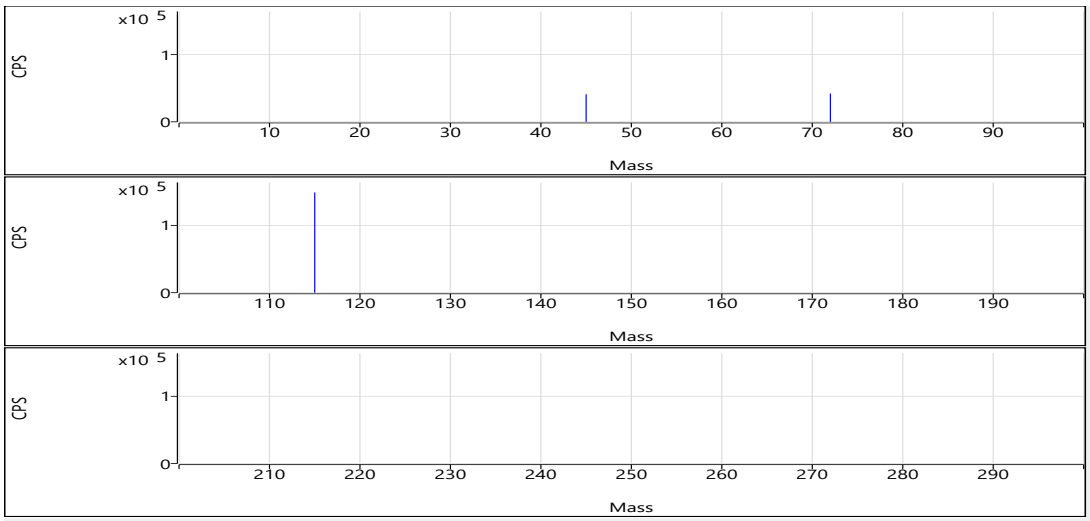
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1049110.63	0.6	100.4	Analog	0.1000	3
No Gas	Ge	72	604690.84	1.1	100.6	Pulse	0.1000	3
H2	Sc	45	41033.70	1.3	97.1	Pulse	0.1000	3
H2	Ge	72	42248.35	1.0	96.3	Pulse	0.1000	3
H2	In	115	149510.36	0.3	99.2	Pulse	0.1000	3
He	Sc	45	11351.60	2.9	99.4	Pulse	0.1000	3
He	Ge	72	25136.76	1.8	99.2	Pulse	0.1000	3
He	In	115	26944.32	1.6	98.7	Pulse	0.1000	3
He	Tb	159	176895.67	1.2	100.3	Pulse	0.1000	3
He	Bi	209	136550.53	2.5	101.2	Pulse	0.1000	3

No Gas

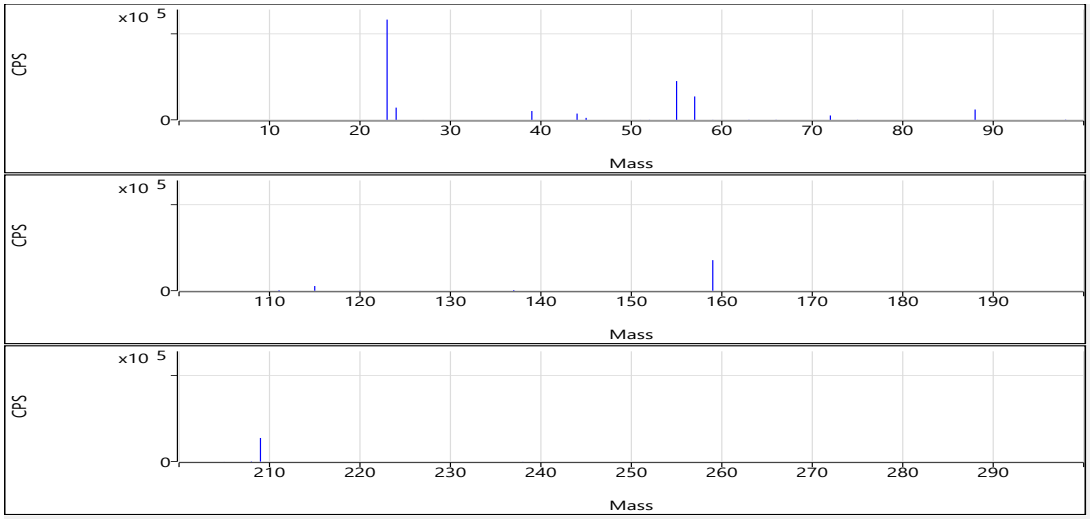


H2



Quantitation Report

He



Quantitation Report

Data File Name	181SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:38:23 PM
Sample Name	410-234682-K-7-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

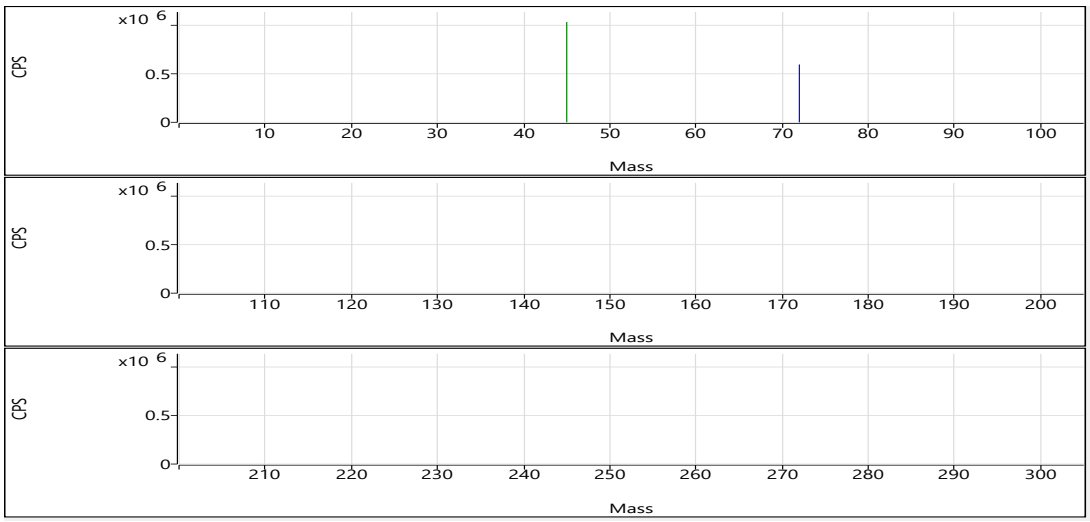
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.011	ug/L	N/A	20.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.005	ppb	N/A	2.00	0.0000	Pulse	1.5000	3
Na	23	72	He	69092.375	ug/L	2.3	3093709.23	125.6137	Analog	0.1000	3
Mg	24	72	He	12684.287	ug/L	2.6	290984.52	11.8154	Pulse	0.1000	3
Al	27	72	He	17.631	ug/L	37.1	156.67	0.0063	Pulse	0.1000	3
K	39	72	He	6293.768	ppb	1.6	83787.50	3.4010	Pulse	0.1000	3
Ca	44	72	He	46608.326	ppb	3.1	40017.47	1.6250	Pulse	0.1000	3
Ti	47	159	He	0.016	ppb	9914.5	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.162	ppb	14.0	176.00	0.0071	Pulse	0.5000	3
Cr	52	45	He	-0.163	ppb	N/A	406.69	0.0367	Pulse	0.1000	3
Mn	55	45	He	10628.174	ppb	1.3	2059973.98	185.9558	Analog	0.1000	3
Fe	57	72	He	7765.539	ppb	3.2	84809.98	3.4439	Pulse	0.1000	3
Co	59	72	He	27.527	ppb	1.9	34820.65	1.4137	Pulse	0.1000	3
Ni	60	72	He	3.227	ppb	0.9	1310.11	0.0532	Pulse	0.1000	3
Cu	63	72	He	0.364	ppb	9.6	516.70	0.0210	Pulse	0.1000	3
Zn	66	72	He	3.048	ppb	3.9	340.02	0.0138	Pulse	0.1000	3
As	75	45	He	10.666	ppb	4.8	605.35	0.0546	Pulse	0.5000	3
Sr	88	159	He	457.473	ppb	3.1	109174.88	0.6268	Pulse	0.1000	3
Mo	98	159	He	1.215	ppb	4.8	1166.77	0.0067	Pulse	0.1000	3
Ag	107	159	He	0.005	ppb	195.3	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.003	ppb	284.3	4.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.870	ppb	N/A	1366.79	0.0079	Pulse	0.1000	3
Sb	121	159	He	0.008	ppb	161.4	16.67	0.0001	Pulse	0.1000	3
Ba	137	159	He	105.513	ppb	2.0	17204.93	0.0987	Pulse	0.1000	3
Tl	205	159	He	-0.016	ppb	N/A	153.34	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.179	ppb	14.7	846.73	0.0049	Pulse	0.1000	3
U	238	209	He	0.296	ppb	9.3	2777.10	0.0209	Pulse	0.1000	3

ISTD Table:

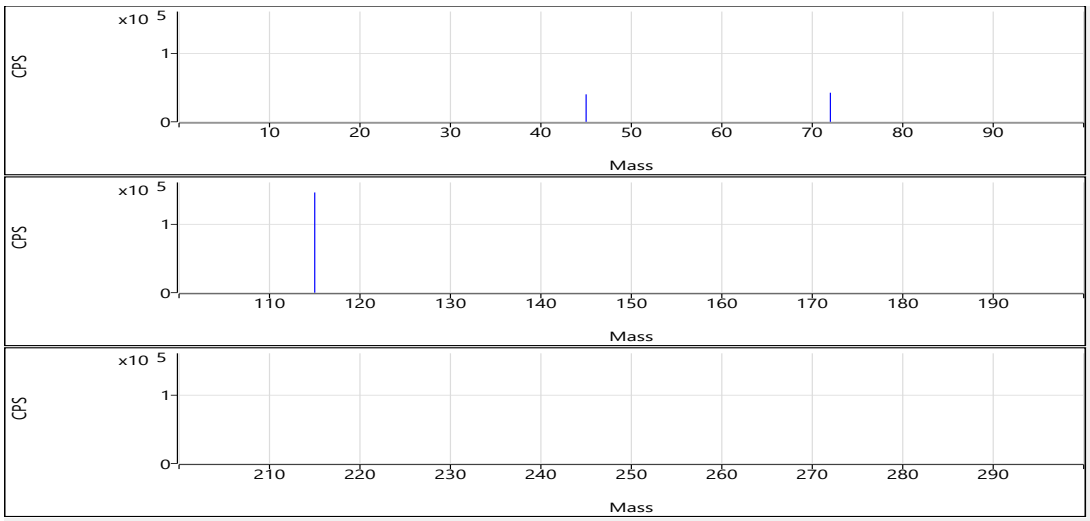
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1036036.42	0.5	99.1	Analog	0.1000	3
No Gas	Ge	72	597570.71	0.1	99.4	Pulse	0.1000	3
H2	Sc	45	40040.69	1.4	94.7	Pulse	0.1000	3
H2	Ge	72	42395.60	0.7	96.6	Pulse	0.1000	3
H2	In	115	146073.28	0.7	96.9	Pulse	0.1000	3
He	Sc	45	11078.03	0.5	97.0	Pulse	0.1000	3
He	Ge	72	24639.23	2.8	97.3	Pulse	0.1000	3
He	In	115	26119.35	2.0	95.7	Pulse	0.1000	3
He	Tb	159	174257.66	1.9	98.8	Pulse	0.1000	3
He	Bi	209	132595.09	1.0	98.3	Pulse	0.1000	3

No Gas

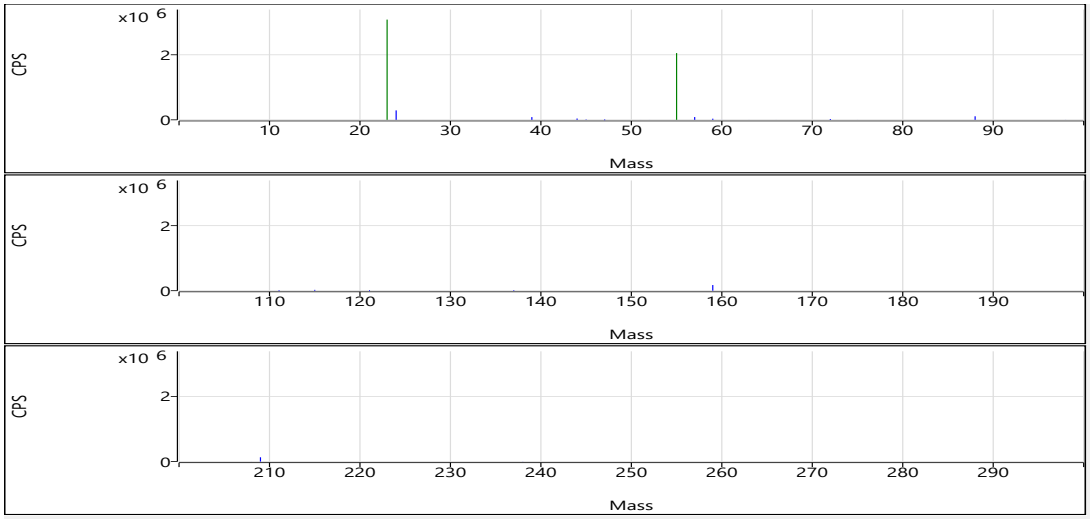


H2



Quantitation Report

He



Quantitation Report

Data File Name	181SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:40:49 PM
Sample Name	410-234682-K-7-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

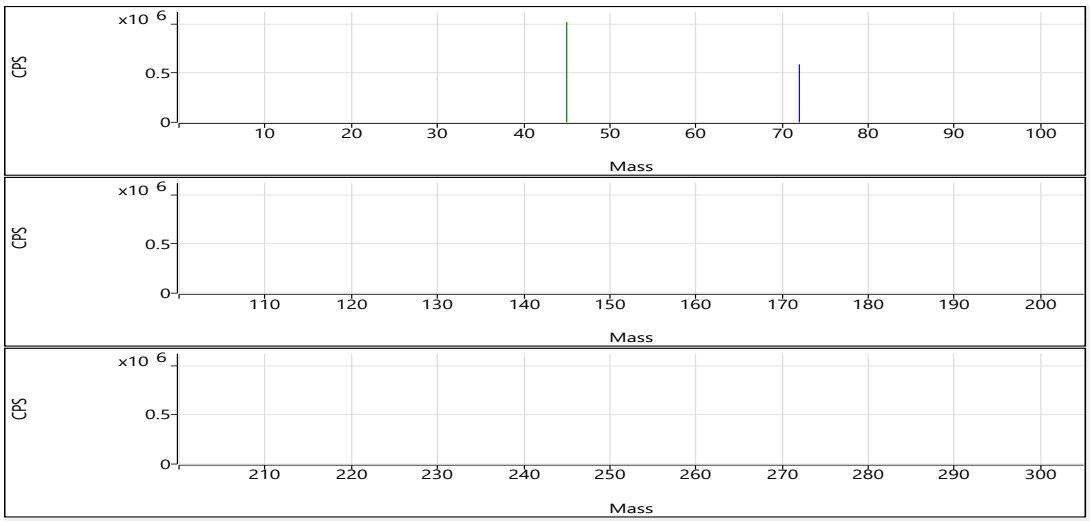
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.123	ug/L	N/A	12.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.330	ppb	N/A	0.45	0.0000	Pulse	1.5000	3
Na	23	72	He	69878.847	ug/L	3.0	627296.66	25.5869	Pulse	0.1000	3
Mg	24	72	He	13185.043	ug/L	2.0	60350.95	2.4614	Pulse	0.1000	3
Al	27	72	He	14.292	ug/L	133.9	63.33	0.0026	Pulse	0.1000	3
K	39	72	He	6301.820	ppb	7.0	18258.96	0.7450	Pulse	0.1000	3
Ca	44	72	He	47955.230	ppb	2.7	8219.36	0.3351	Pulse	0.1000	3
Ti	47	159	He	0.004	ppb	213948.0	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.743	ppb	43.8	170.00	0.0069	Pulse	0.5000	3
Cr	52	45	He	-1.114	ppb	N/A	386.69	0.0339	Pulse	0.1000	3
Mn	55	45	He	10194.856	ppb	0.4	407161.63	35.6785	Pulse	0.1000	3
Fe	57	72	He	7937.649	ppb	4.3	17328.05	0.7069	Pulse	0.1000	3
Co	59	72	He	27.054	ppb	2.6	6898.60	0.2814	Pulse	0.1000	3
Ni	60	72	He	2.626	ppb	24.9	336.68	0.0137	Pulse	0.1000	3
Cu	63	72	He	0.730	ppb	28.7	283.35	0.0116	Pulse	0.1000	3
Zn	66	72	He	2.719	ppb	70.8	100.00	0.0041	Pulse	0.1000	3
As	75	45	He	10.214	ppb	12.0	128.00	0.0112	Pulse	0.5000	3
Sr	88	159	He	465.746	ppb	0.9	22579.21	0.1292	Pulse	0.1000	3
Mo	98	159	He	1.243	ppb	7.9	286.68	0.0016	Pulse	0.1000	3
Ag	107	159	He	0.039	ppb	137.2	46.67	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.017	ppb	285.7	4.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-2.515	ppb	N/A	1576.82	0.0090	Pulse	0.1000	3
Sb	121	159	He	0.334	ppb	49.4	43.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	96.025	ppb	5.7	3830.72	0.0219	Pulse	0.1000	3
Tl	205	159	He	-0.079	ppb	N/A	153.34	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.435	ppb	8.1	496.70	0.0028	Pulse	0.1000	3
U	238	209	He	0.289	ppb	12.3	686.71	0.0051	Pulse	0.1000	3

ISTD Table:

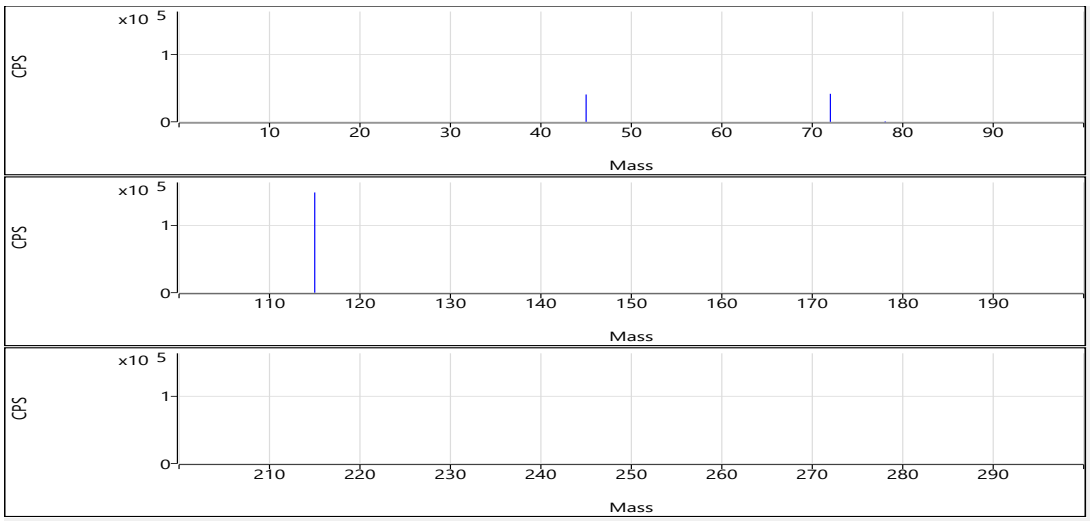
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1020320.71	0.4	97.6	Analog	0.1000	3
No Gas	Ge	72	590525.63	0.6	98.2	Pulse	0.1000	3
H2	Sc	45	40465.37	1.4	95.7	Pulse	0.1000	3
H2	Ge	72	41482.82	1.1	94.6	Pulse	0.1000	3
H2	In	115	148428.94	0.7	98.5	Pulse	0.1000	3
He	Sc	45	11411.65	1.0	99.9	Pulse	0.1000	3
He	Ge	72	24525.71	2.0	96.8	Pulse	0.1000	3
He	In	115	26600.26	2.3	97.5	Pulse	0.1000	3
He	Tb	159	174715.77	1.2	99.1	Pulse	0.1000	3
He	Bi	209	134682.98	0.8	99.9	Pulse	0.1000	3

No Gas

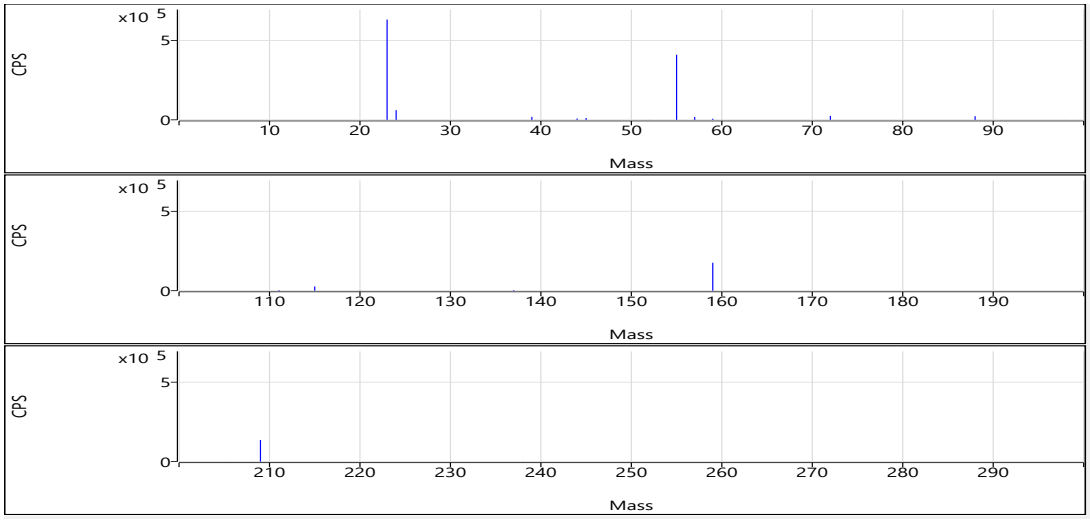


H2



Quantitation Report

He



Quantitation Report

Data File Name	182SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:42:42 PM
Sample Name	410-234682-K-9-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

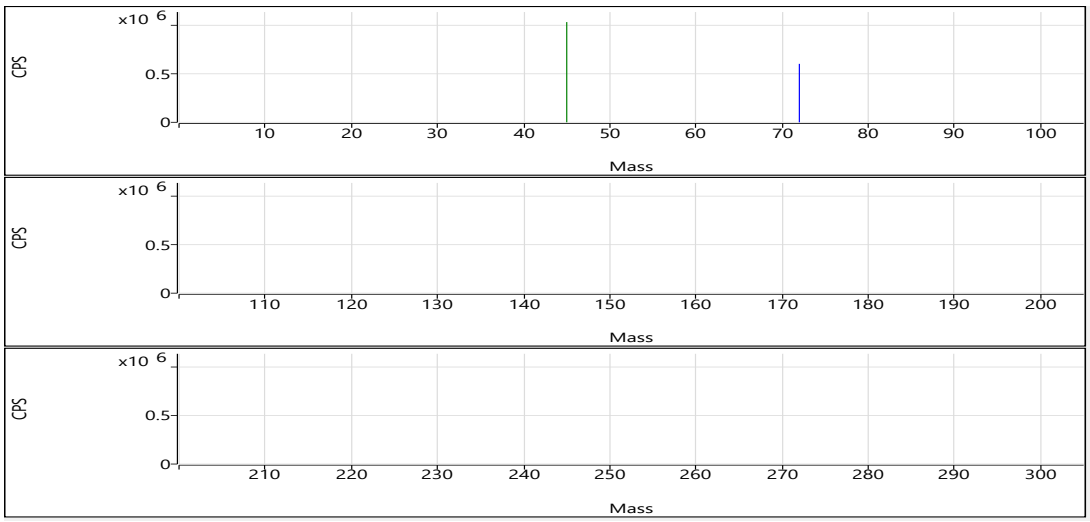
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.011	ug/L	N/A	20.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.004	ppb	871.2	2.22	0.0001	Pulse	1.5000	3
Na	23	72	He	10051.530	ug/L	4.5	455286.69	18.4651	Pulse	0.1000	3
Mg	24	72	He	2680.735	ug/L	4.8	61686.52	2.5021	Pulse	0.1000	3
Al	27	72	He	34.586	ug/L	46.2	260.01	0.0106	Pulse	0.1000	3
K	39	72	He	4102.602	ppb	5.8	55338.69	2.2448	Pulse	0.1000	3
Ca	44	72	He	26270.183	ppb	2.9	22605.35	0.9163	Pulse	0.1000	3
Ti	47	159	He	1.839	ppb	75.8	20.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.379	ppb	21.3	261.34	0.0106	Pulse	0.5000	3
Cr	52	45	He	-0.012	ppb	N/A	500.03	0.0437	Pulse	0.1000	3
Mn	55	45	He	547.493	ppb	0.3	109522.11	9.5835	Pulse	0.1000	3
Fe	57	72	He	17709.071	ppb	4.5	193527.69	7.8491	Pulse	0.1000	3
Co	59	72	He	0.570	ppb	11.2	826.72	0.0335	Pulse	0.1000	3
Ni	60	72	He	0.299	ppb	23.8	256.68	0.0104	Pulse	0.1000	3
Cu	63	72	He	1.226	ppb	12.0	1436.80	0.0583	Pulse	0.1000	3
Zn	66	72	He	31.269	ppb	8.7	3050.45	0.1232	Pulse	0.1000	3
As	75	45	He	18.266	ppb	6.5	1062.05	0.0929	Pulse	0.5000	3
Sr	88	159	He	162.801	ppb	2.2	39166.43	0.2243	Pulse	0.1000	3
Mo	98	159	He	0.453	ppb	4.5	473.36	0.0027	Pulse	0.1000	3
Ag	107	159	He	0.017	ppb	40.3	66.67	0.0004	Pulse	0.1000	3
Cd	111	159	He	0.007	ppb	168.9	4.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.694	ppb	N/A	1470.14	0.0084	Pulse	0.1000	3
Sb	121	159	He	0.074	ppb	105.1	46.67	0.0003	Pulse	0.1000	3
Ba	137	159	He	36.425	ppb	6.8	6501.84	0.0372	Pulse	0.1000	3
Tl	205	159	He	-0.017	ppb	N/A	146.68	0.0008	Pulse	0.1000	3
Pb	208	159	He	1.460	ppb	2.5	5781.54	0.0331	Pulse	0.1000	3
U	238	209	He	0.018	ppb	41.0	333.35	0.0025	Pulse	0.1000	3

ISTD Table:

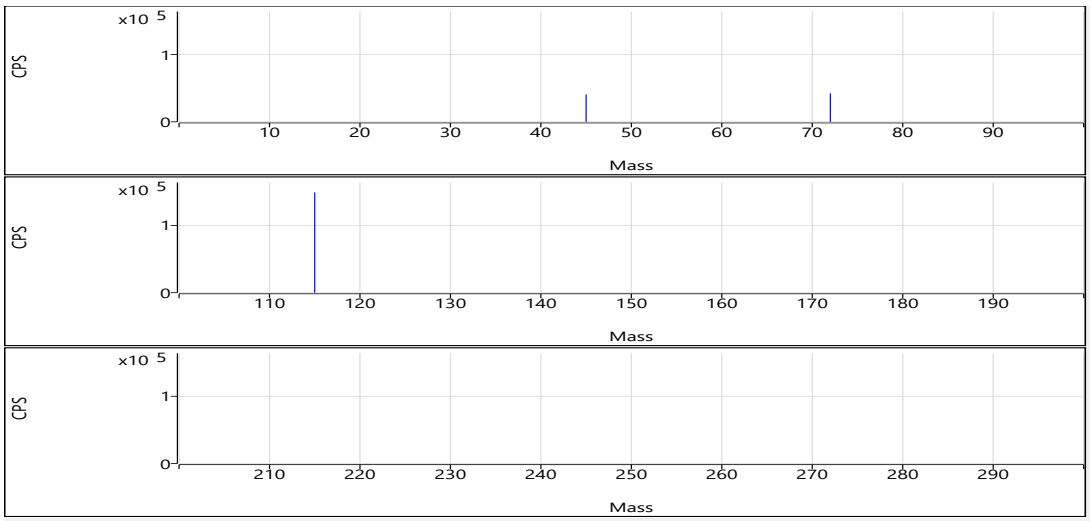
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1034093.63	0.6	98.9	Analog	0.1000	3
No Gas	Ge	72	603050.08	0.6	100.3	Pulse	0.1000	3
H2	Sc	45	40729.64	0.5	96.4	Pulse	0.1000	3
H2	Ge	72	42275.45	2.4	96.4	Pulse	0.1000	3
H2	In	115	148996.06	1.6	98.9	Pulse	0.1000	3
He	Sc	45	11428.30	0.8	100.1	Pulse	0.1000	3
He	Ge	72	24689.25	4.5	97.5	Pulse	0.1000	3
He	In	115	27284.94	1.6	100.0	Pulse	0.1000	3
He	Tb	159	174608.86	1.2	99.0	Pulse	0.1000	3
He	Bi	209	136104.52	0.8	100.9	Pulse	0.1000	3

No Gas

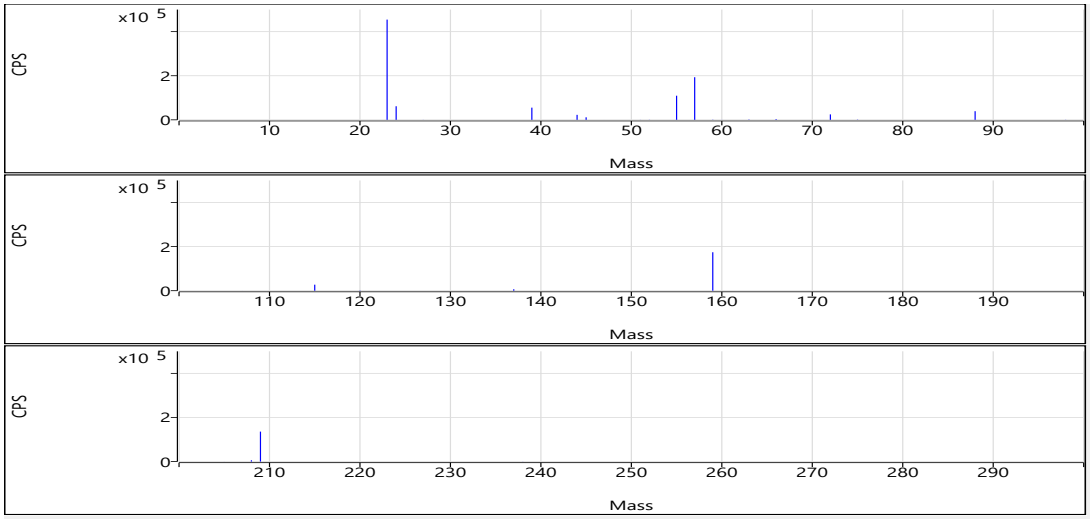


H2



Quantitation Report

He



Quantitation Report

Data File Name	183SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:44:41 PM
Sample Name	410-234682-K-3-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

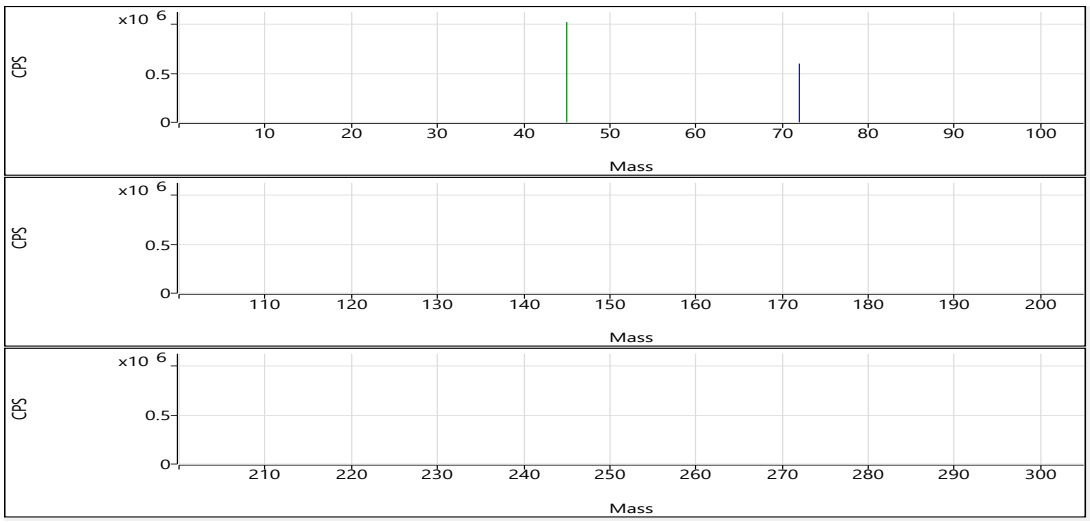
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.019	ug/L	93.0	35.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.089	ppb	43.4	4.44	0.0001	Pulse	1.5000	3
Na	23	72	He	7614.426	ug/L	1.4	351007.29	14.0422	Pulse	0.1000	3
Mg	24	72	He	1665.131	ug/L	2.7	38903.53	1.5566	Pulse	0.1000	3
Al	27	72	He	180.372	ug/L	2.6	1193.44	0.0477	Pulse	0.1000	3
K	39	72	He	1711.936	ppb	3.3	24585.27	0.9833	Pulse	0.1000	3
Ca	44	72	He	8872.320	ppb	6.0	7755.76	0.3101	Pulse	0.1000	3
Ti	47	159	He	8.578	ppb	56.9	70.00	0.0004	Pulse	0.1000	3
V	51	72	He	0.690	ppb	7.2	386.01	0.0154	Pulse	0.5000	3
Cr	52	45	He	0.037	ppb	477.3	526.70	0.0460	Pulse	0.1000	3
Mn	55	45	He	1607.800	ppb	1.9	321368.73	28.1347	Pulse	0.1000	3
Fe	57	72	He	693.919	ppb	2.9	7772.42	0.3110	Pulse	0.1000	3
Co	59	72	He	7.411	ppb	1.6	9593.62	0.3838	Pulse	0.1000	3
Ni	60	72	He	1.913	ppb	9.6	850.06	0.0340	Pulse	0.1000	3
Cu	63	72	He	1.329	ppb	4.5	1570.14	0.0628	Pulse	0.1000	3
Zn	66	72	He	20.473	ppb	6.0	2033.56	0.0814	Pulse	0.1000	3
As	75	45	He	1.530	ppb	13.2	98.67	0.0086	Pulse	0.5000	3
Sr	88	159	He	60.789	ppb	2.4	15002.05	0.0850	Pulse	0.1000	3
Mo	98	159	He	0.144	ppb	42.7	193.34	0.0011	Pulse	0.1000	3
Ag	107	159	He	0.006	ppb	116.0	43.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.127	ppb	7.8	30.00	0.0002	Pulse	0.5000	3
Sn	120	159	He	-0.667	ppb	N/A	1500.14	0.0085	Pulse	0.1000	3
Sb	121	159	He	0.044	ppb	76.0	33.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	18.263	ppb	4.8	3720.66	0.0211	Pulse	0.1000	3
Tl	205	159	He	0.009	ppb	127.7	293.35	0.0017	Pulse	0.1000	3
Pb	208	159	He	1.697	ppb	2.3	6765.40	0.0383	Pulse	0.1000	3
U	238	209	He	0.064	ppb	19.0	756.72	0.0055	Pulse	0.1000	3

ISTD Table:

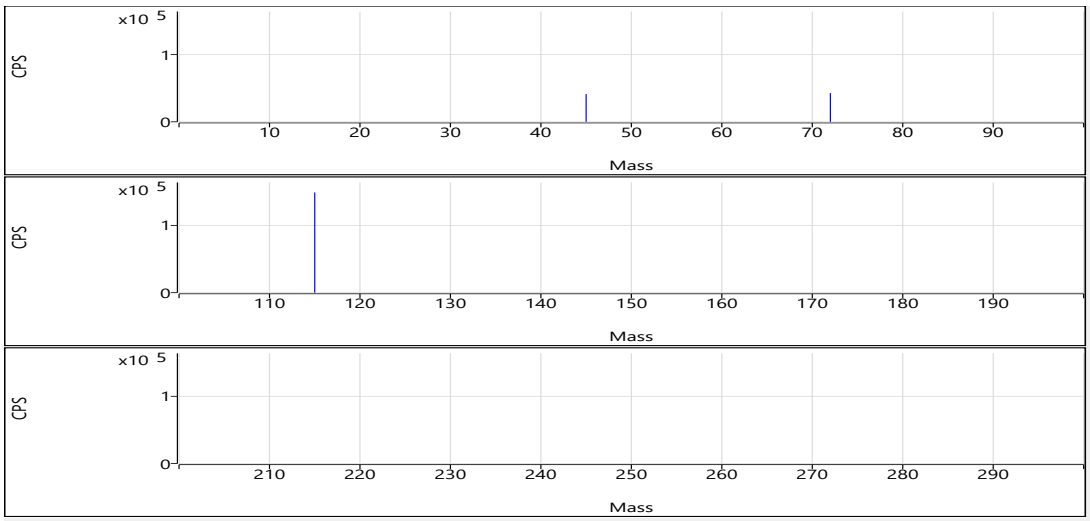
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1023991.89	0.3	98.0	Analog	0.1000	3
No Gas	Ge	72	599959.74	0.3	99.8	Pulse	0.1000	3
H2	Sc	45	41194.30	0.2	97.5	Pulse	0.1000	3
H2	Ge	72	42612.90	1.4	97.1	Pulse	0.1000	3
H2	In	115	148894.25	0.8	98.8	Pulse	0.1000	3
He	Sc	45	11424.94	1.8	100.0	Pulse	0.1000	3
He	Ge	72	24999.80	1.5	98.7	Pulse	0.1000	3
He	In	115	27548.93	3.3	100.9	Pulse	0.1000	3
He	Tb	159	176428.94	0.3	100.0	Pulse	0.1000	3
He	Bi	209	137041.99	1.4	101.6	Pulse	0.1000	3

No Gas

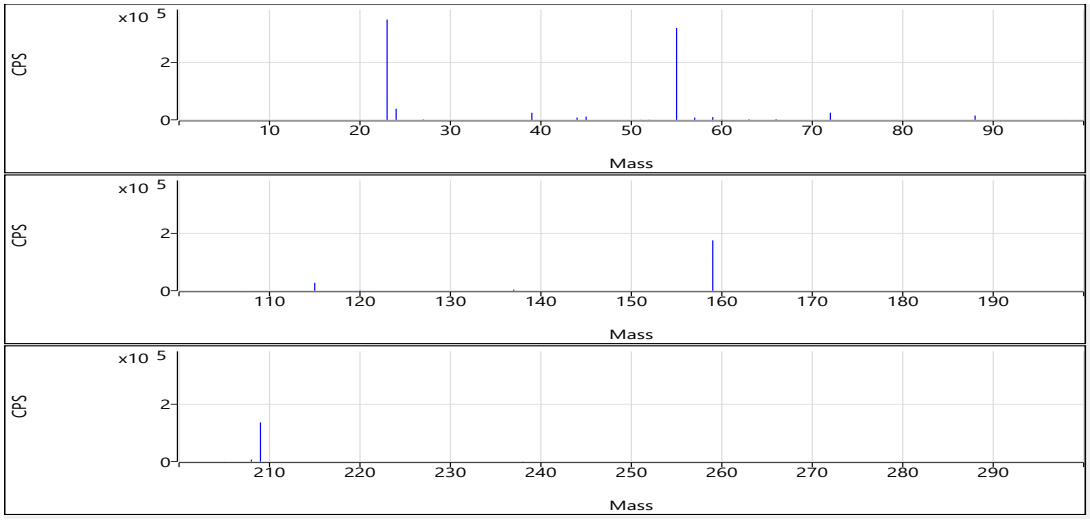


H2



Quantitation Report

He



Quantitation Report

Data File Name	184SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:46:42 PM
Sample Name	410-234682-K-1-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

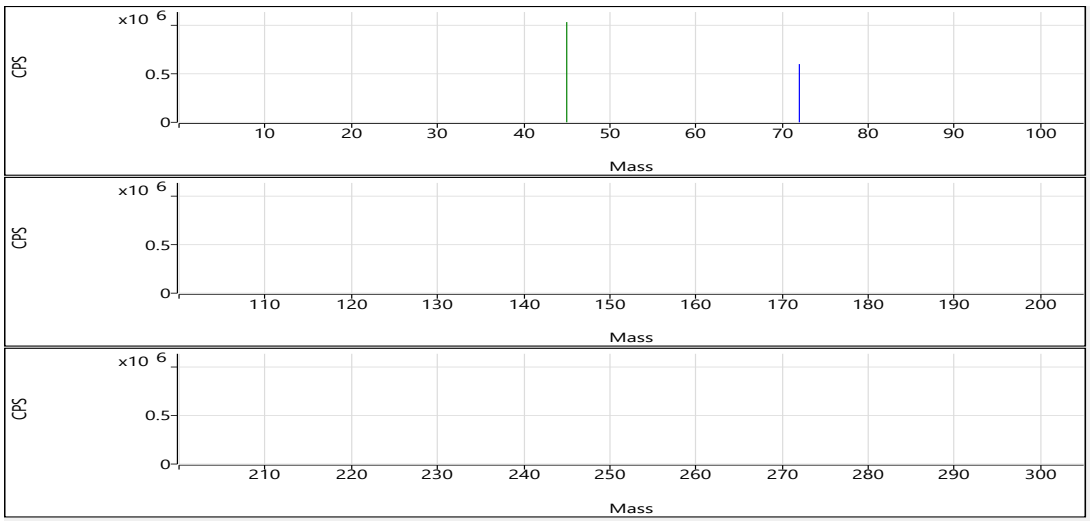
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.011	ug/L	N/A	20.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.040	ppb	N/A	1.11	0.0000	Pulse	1.5000	3
Na	23	72	He	13930.211	ug/L	2.2	626299.02	25.5042	Pulse	0.1000	3
Mg	24	72	He	4173.867	ug/L	0.8	95594.97	3.8922	Pulse	0.1000	3
Al	27	72	He	-0.316	ug/L	N/A	43.33	0.0018	Pulse	0.1000	3
K	39	72	He	2767.702	ppb	2.9	37831.15	1.5404	Pulse	0.1000	3
Ca	44	72	He	24889.110	ppb	1.0	21323.43	0.8682	Pulse	0.1000	3
Ti	47	159	He	-0.452	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.089	ppb	27.7	147.33	0.0060	Pulse	0.5000	3
Cr	52	45	He	-0.267	ppb	N/A	366.69	0.0318	Pulse	0.1000	3
Mn	55	45	He	471.714	ppb	0.5	95168.20	8.2577	Pulse	0.1000	3
Fe	57	72	He	13180.100	ppb	2.9	143464.18	5.8426	Pulse	0.1000	3
Co	59	72	He	0.400	ppb	26.2	610.04	0.0248	Pulse	0.1000	3
Ni	60	72	He	0.312	ppb	49.5	260.01	0.0106	Pulse	0.1000	3
Cu	63	72	He	0.286	ppb	11.2	433.36	0.0176	Pulse	0.1000	3
Zn	66	72	He	1.624	ppb	29.6	203.34	0.0083	Pulse	0.1000	3
As	75	45	He	3.845	ppb	14.0	234.00	0.0203	Pulse	0.5000	3
Sr	88	159	He	120.049	ppb	2.8	29014.74	0.1660	Pulse	0.1000	3
Mo	98	159	He	0.285	ppb	33.7	320.01	0.0018	Pulse	0.1000	3
Ag	107	159	He	0.003	ppb	79.8	36.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.009	ppb	N/A	1.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.766	ppb	N/A	1430.13	0.0082	Pulse	0.1000	3
Sb	121	159	He	-0.007	ppb	N/A	10.00	0.0001	Pulse	0.1000	3
Ba	137	159	He	15.585	ppb	1.9	3270.52	0.0187	Pulse	0.1000	3
Tl	205	159	He	-0.021	ppb	N/A	126.67	0.0007	Pulse	0.1000	3
Pb	208	159	He	0.115	ppb	22.6	603.37	0.0035	Pulse	0.1000	3
U	238	209	He	0.001	ppb	866.1	176.68	0.0013	Pulse	0.1000	3

ISTD Table:

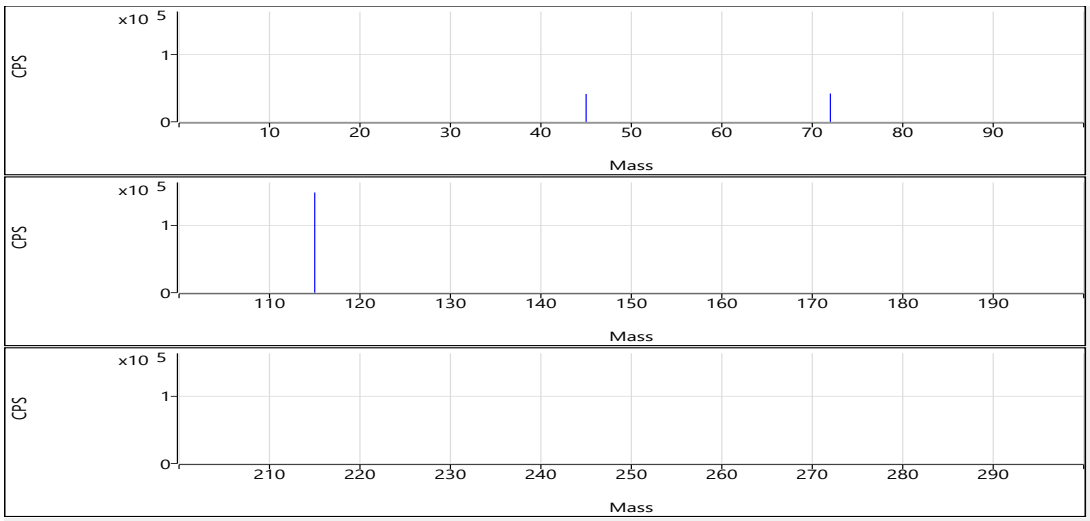
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1034812.82	0.2	99.0	Analog	0.1000	3
No Gas	Ge	72	600990.33	0.8	99.9	Pulse	0.1000	3
H2	Sc	45	41541.94	1.4	98.3	Pulse	0.1000	3
H2	Ge	72	42151.42	0.5	96.1	Pulse	0.1000	3
H2	In	115	149439.32	1.1	99.2	Pulse	0.1000	3
He	Sc	45	11525.08	1.0	100.9	Pulse	0.1000	3
He	Ge	72	24562.36	1.6	97.0	Pulse	0.1000	3
He	In	115	26232.75	2.4	96.1	Pulse	0.1000	3
He	Tb	159	174837.56	1.0	99.1	Pulse	0.1000	3
He	Bi	209	135639.50	0.3	100.6	Pulse	0.1000	3

No Gas

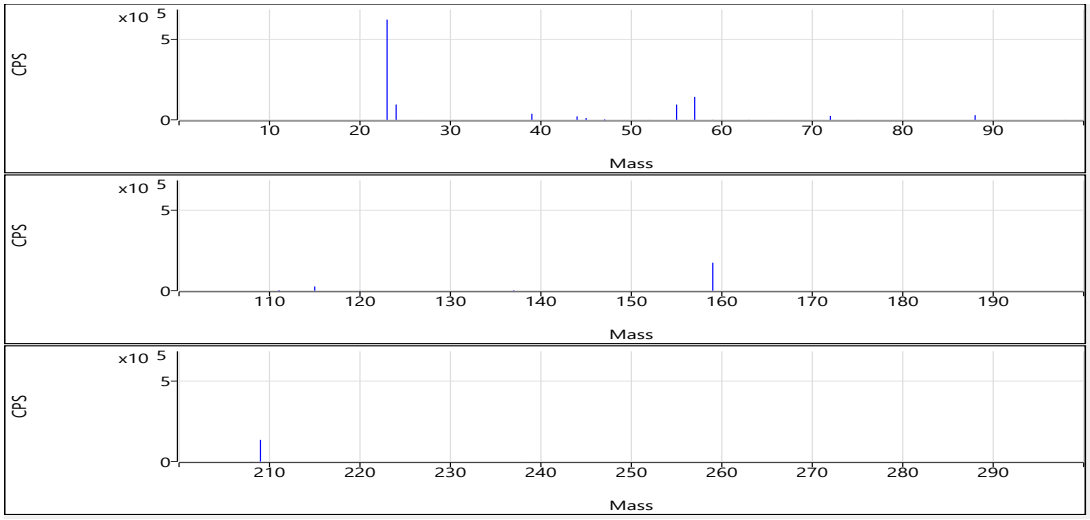


H2



Quantitation Report

He



Quantitation Report

Data File Name	190_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:58:42 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

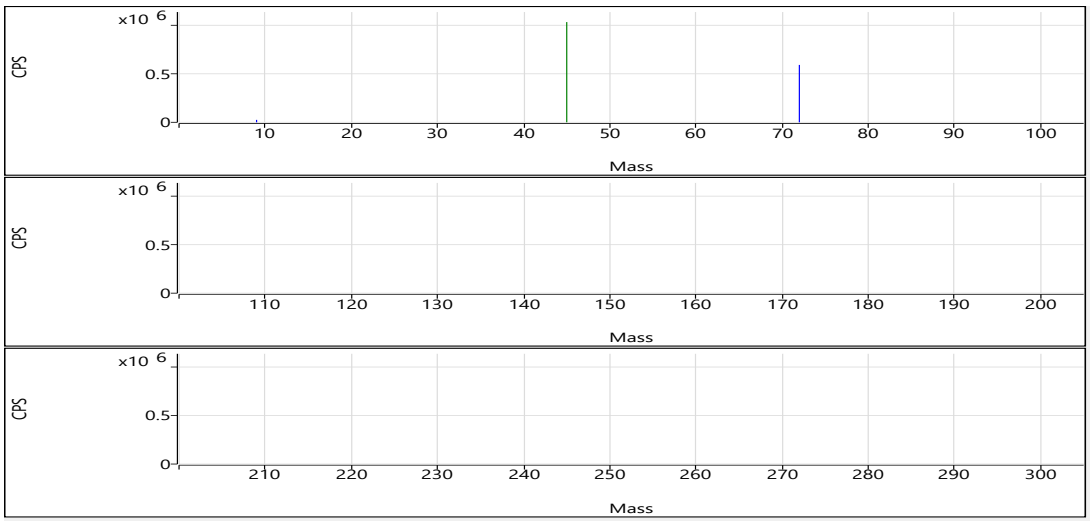
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.923	ug/L	1.6	24822.55	0.0242	Pulse	0.5000	3
Se	78	72	H2	49.377	ppb	3.8	1259.17	0.0299	Pulse	1.5000	3
Na	23	72	He	5138.808	ug/L	5.8	226342.66	9.5493	Pulse	0.1000	3
Mg	24	72	He	5065.578	ug/L	4.8	111959.14	4.7224	Pulse	0.1000	3
Al	27	72	He	5060.940	ug/L	3.5	30586.74	1.2897	Pulse	0.1000	3
K	39	72	He	5103.362	ppb	5.1	65736.15	2.7729	Pulse	0.1000	3
Ca	44	72	He	4964.373	ppb	7.7	4124.11	0.1739	Pulse	0.1000	3
Ti	47	159	He	4910.874	ppb	1.1	36050.34	0.2056	Pulse	0.1000	3
V	51	72	He	510.704	ppb	4.5	190312.35	8.0266	Pulse	0.5000	3
Cr	52	45	He	509.461	ppb	1.7	262070.77	23.7974	Pulse	0.1000	3
Mn	55	45	He	507.718	ppb	1.9	97873.73	8.8876	Pulse	0.1000	3
Fe	57	72	He	5055.671	ppb	4.1	53195.37	2.2433	Pulse	0.1000	3
Co	59	72	He	488.367	ppb	4.2	592997.88	25.0083	Pulse	0.1000	3
Ni	60	72	He	510.289	ppb	5.2	176813.31	7.4587	Pulse	0.1000	3
Cu	63	72	He	511.659	ppb	4.7	525300.70	22.1567	Pulse	0.1000	3
Zn	66	72	He	494.823	ppb	5.0	45542.01	1.9210	Pulse	0.1000	3
As	75	45	He	513.039	ppb	1.1	28469.11	2.5850	Pulse	0.5000	3
Sr	88	159	He	49.914	ppb	4.4	12302.61	0.0702	Pulse	0.1000	3
Mo	98	159	He	49.105	ppb	3.1	45101.75	0.2573	Pulse	0.1000	3
Ag	107	159	He	49.985	ppb	0.3	109196.67	0.6228	Pulse	0.1000	3
Cd	111	159	He	49.478	ppb	2.9	10365.99	0.0591	Pulse	0.5000	3
Sn	120	159	He	48.220	ppb	0.8	28955.28	0.1651	Pulse	0.1000	3
Sb	121	159	He	49.142	ppb	2.2	22219.05	0.1267	Pulse	0.1000	3
Ba	137	159	He	493.899	ppb	2.5	77880.71	0.4442	Pulse	0.1000	3
Tl	205	159	He	50.219	ppb	1.5	278933.23	1.5907	Pulse	0.1000	3
Pb	208	159	He	50.347	ppb	1.4	194813.81	1.1110	Pulse	0.1000	3
U	238	209	He	49.658	ppb	1.1	448613.44	3.3003	Pulse	0.1000	3

ISTD Table:

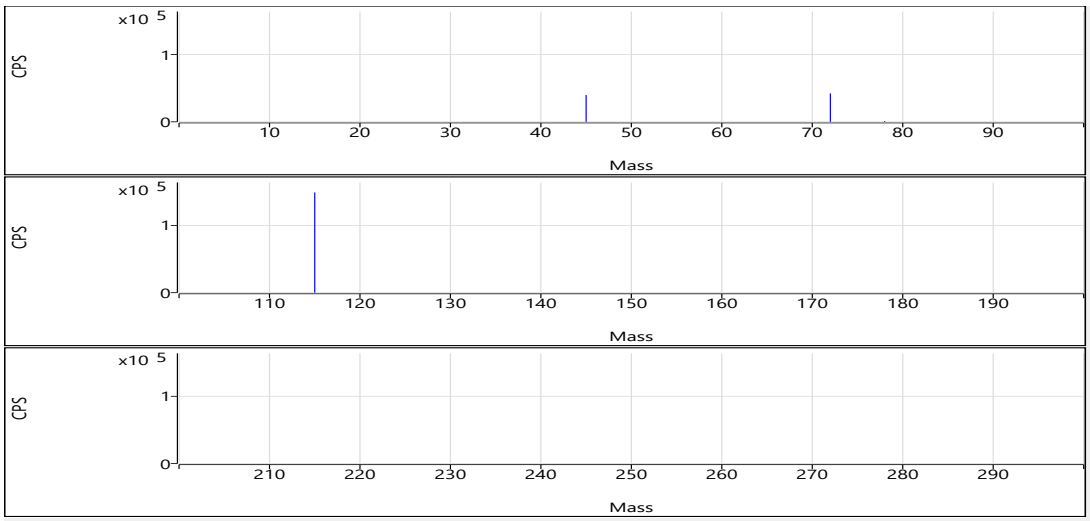
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1027255.19	0.4	98.3	Analog	0.1000	3
No Gas	Ge	72	588093.48	0.5	97.8	Pulse	0.1000	3
H2	Sc	45	39773.72	1.9	94.1	Pulse	0.1000	3
H2	Ge	72	42174.97	2.6	96.1	Pulse	0.1000	3
H2	In	115	148849.52	0.9	98.8	Pulse	0.1000	3
He	Sc	45	11014.61	1.6	96.4	Pulse	0.1000	3
He	Ge	72	23741.07	4.4	93.7	Pulse	0.1000	3
He	In	115	26656.89	2.1	97.7	Pulse	0.1000	3
He	Tb	159	175348.43	1.2	99.4	Pulse	0.1000	3
He	Bi	209	135929.56	1.9	100.8	Pulse	0.1000	3

No Gas

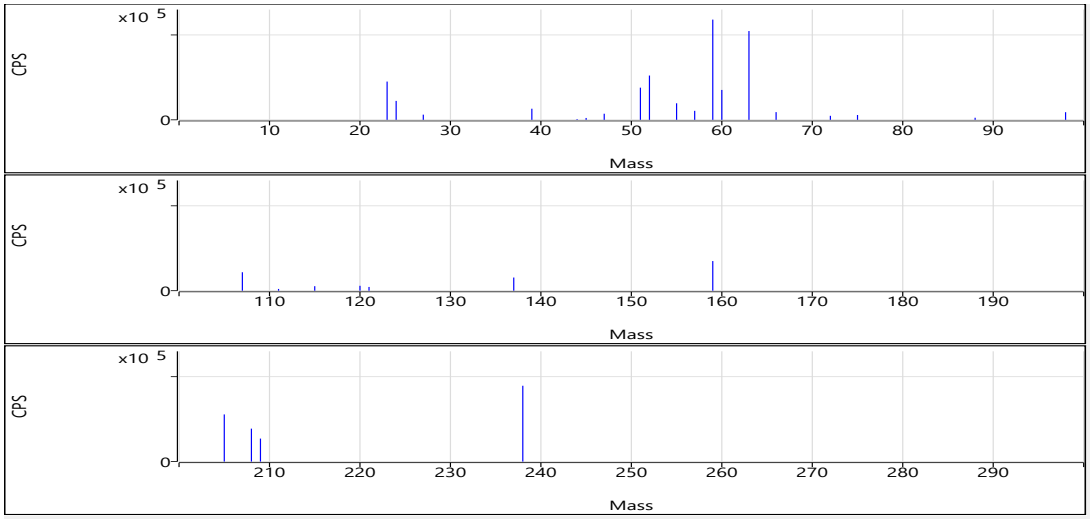


H2



Quantitation Report

He



Quantitation Report

Data File Name	192_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:02:43 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

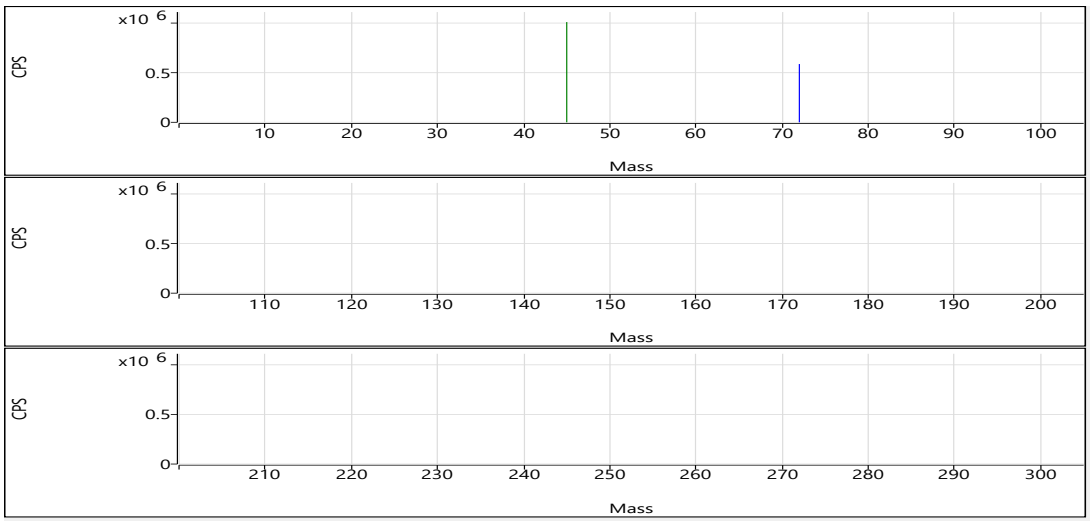
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.014	ug/L	N/A	18.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.040	ppb	N/A	1.11	0.0000	Pulse	1.5000	3
Na	23	72	He	-0.851	ug/L	N/A	5481.26	0.2218	Pulse	0.1000	3
Mg	24	72	He	6.851	ug/L	47.2	313.35	0.0127	Pulse	0.1000	3
Al	27	72	He	0.725	ug/L	668.6	50.00	0.0020	Pulse	0.1000	3
K	39	72	He	8.174	ppb	266.5	2080.23	0.0842	Pulse	0.1000	3
Ca	44	72	He	43.419	ppb	93.4	60.00	0.0024	Pulse	0.1000	3
Ti	47	159	He	-0.448	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.124	ppb	43.3	162.00	0.0066	Pulse	0.5000	3
Cr	52	45	He	-0.146	ppb	N/A	413.35	0.0375	Pulse	0.1000	3
Mn	55	45	He	0.552	ppb	52.6	156.67	0.0142	Pulse	0.1000	3
Fe	57	72	He	0.207	ppb	773.8	90.00	0.0036	Pulse	0.1000	3
Co	59	72	He	0.002	ppb	1016.7	110.00	0.0045	Pulse	0.1000	3
Ni	60	72	He	0.149	ppb	43.4	203.34	0.0082	Pulse	0.1000	3
Cu	63	72	He	0.134	ppb	9.9	273.34	0.0111	Pulse	0.1000	3
Zn	66	72	He	-0.057	ppb	N/A	43.33	0.0018	Pulse	0.1000	3
As	75	45	He	-0.015	ppb	N/A	9.33	0.0008	Pulse	0.5000	3
Sr	88	159	He	-0.647	ppb	N/A	196.68	0.0011	Pulse	0.1000	3
Mo	98	159	He	0.013	ppb	80.1	70.00	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.008	ppb	90.1	46.67	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.004	ppb	265.6	4.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.063	ppb	N/A	1796.84	0.0104	Pulse	0.1000	3
Sb	121	159	He	0.076	ppb	16.0	46.67	0.0003	Pulse	0.1000	3
Ba	137	159	He	-2.500	ppb	N/A	450.03	0.0026	Pulse	0.1000	3
Tl	205	159	He	-0.005	ppb	N/A	210.01	0.0012	Pulse	0.1000	3
Pb	208	159	He	0.073	ppb	12.7	436.69	0.0025	Pulse	0.1000	3
U	238	209	He	0.002	ppb	214.2	190.01	0.0014	Pulse	0.1000	3

ISTD Table:

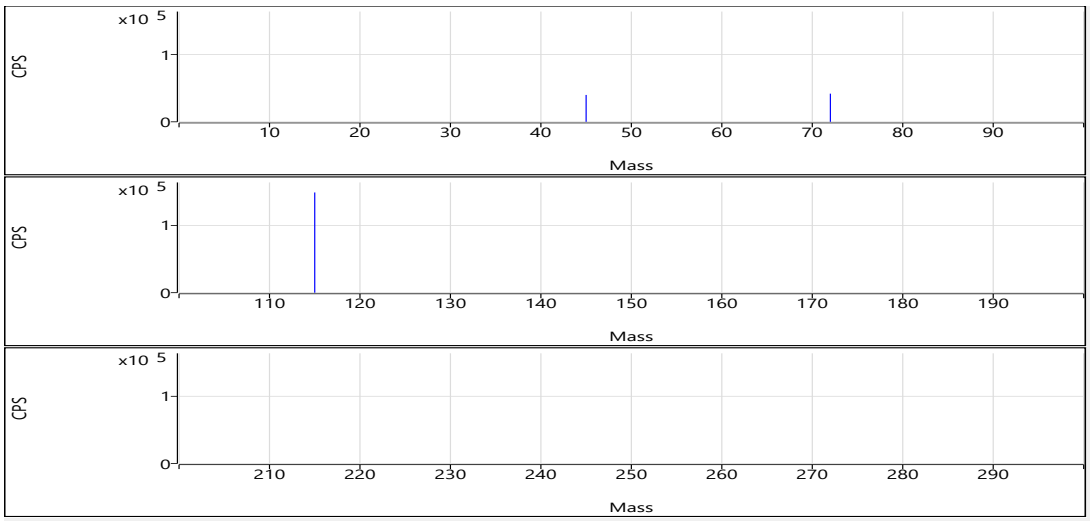
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1008700.22	0.6	96.5	Analog	0.1000	3
No Gas	Ge	72	586246.87	0.2	97.5	Pulse	0.1000	3
H2	Sc	45	40214.64	0.4	95.1	Pulse	0.1000	3
H2	Ge	72	42134.78	1.4	96.0	Pulse	0.1000	3
H2	In	115	149971.96	1.1	99.5	Pulse	0.1000	3
He	Sc	45	11024.68	0.7	96.5	Pulse	0.1000	3
He	Ge	72	24722.73	1.0	97.6	Pulse	0.1000	3
He	In	115	26847.26	2.1	98.4	Pulse	0.1000	3
He	Tb	159	172191.00	1.4	97.6	Pulse	0.1000	3
He	Bi	209	135097.69	2.2	100.2	Pulse	0.1000	3

No Gas

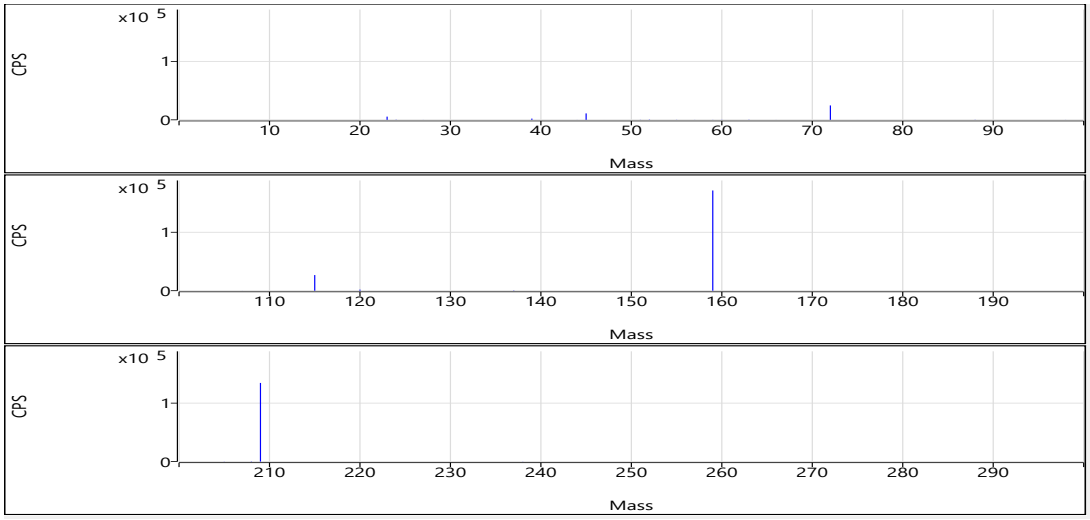


H2



Quantitation Report

He



Quantitation Report

Data File Name	193SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:04:43 PM
Sample Name	180-193745-O-1-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

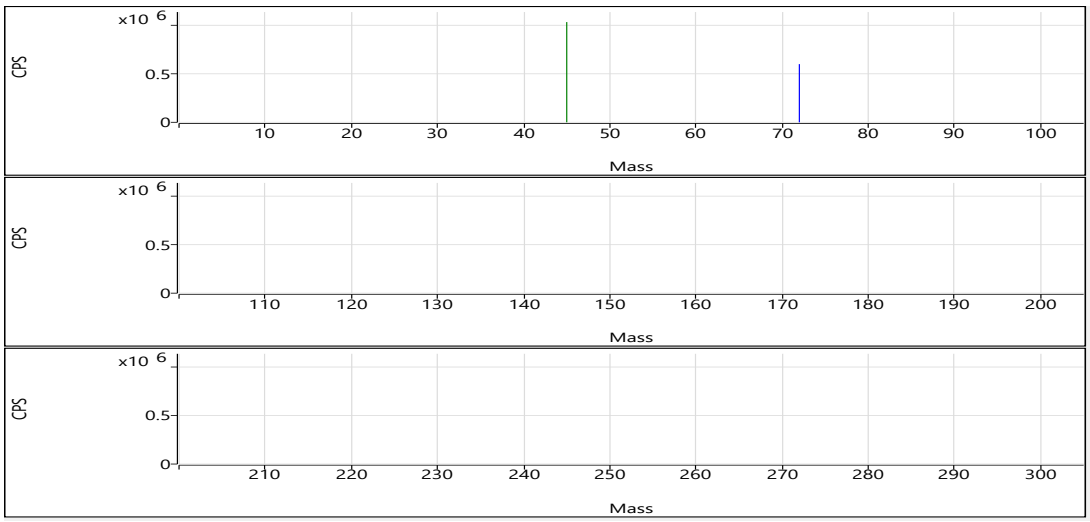
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.012	ug/L	N/A	19.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.087	ppb	43.3	4.44	0.0001	Pulse	1.5000	3
Na	23	72	He	36442.523	ug/L	0.8	1658922.11	66.3600	Analog	0.1000	3
Mg	24	72	He	10150.137	ug/L	0.6	236398.69	9.4561	Pulse	0.1000	3
Al	27	72	He	-3.573	ug/L	N/A	23.33	0.0009	Pulse	0.1000	3
K	39	72	He	1868.041	ppb	3.8	26645.84	1.0656	Pulse	0.1000	3
Ca	44	72	He	37824.338	ppb	2.1	32975.89	1.3189	Pulse	0.1000	3
Ti	47	159	He	0.873	ppb	232.0	13.33	0.0001	Pulse	0.1000	3
V	51	72	He	0.121	ppb	27.7	162.67	0.0065	Pulse	0.5000	3
Cr	52	45	He	-0.115	ppb	N/A	440.02	0.0389	Pulse	0.1000	3
Mn	55	45	He	0.783	ppb	15.2	206.68	0.0183	Pulse	0.1000	3
Fe	57	72	He	5.495	ppb	113.1	150.01	0.0060	Pulse	0.1000	3
Co	59	72	He	0.030	ppb	260.1	146.67	0.0059	Pulse	0.1000	3
Ni	60	72	He	0.197	ppb	80.3	223.34	0.0089	Pulse	0.1000	3
Cu	63	72	He	4.591	ppb	4.6	5101.14	0.2040	Pulse	0.1000	3
Zn	66	72	He	33.033	ppb	8.9	3250.50	0.1301	Pulse	0.1000	3
As	75	45	He	0.883	ppb	6.0	60.67	0.0054	Pulse	0.5000	3
Sr	88	159	He	710.767	ppb	3.2	172754.91	0.9727	Pulse	0.1000	3
Mo	98	159	He	0.506	ppb	23.8	530.03	0.0030	Pulse	0.1000	3
Ag	107	159	He	-0.002	ppb	N/A	26.67	0.0001	Pulse	0.1000	3
Cd	111	159	He	-0.003	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.511	ppb	N/A	1600.16	0.0090	Pulse	0.1000	3
Sb	121	159	He	0.109	ppb	11.9	63.33	0.0004	Pulse	0.1000	3
Ba	137	159	He	292.562	ppb	0.7	47097.25	0.2651	Pulse	0.1000	3
Tl	205	159	He	-0.012	ppb	N/A	176.68	0.0010	Pulse	0.1000	3
Pb	208	159	He	1.044	ppb	5.5	4254.21	0.0240	Pulse	0.1000	3
U	238	209	He	0.880	ppb	4.0	8192.99	0.0597	Pulse	0.1000	3

ISTD Table:

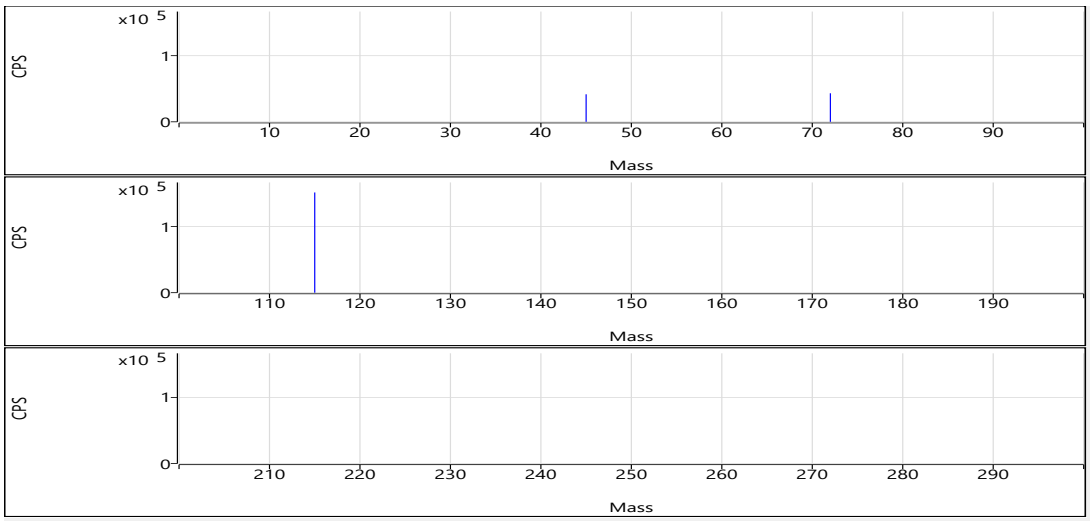
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1038619.80	0.9	99.4	Analog	0.1000	3
No Gas	Ge	72	602748.13	0.2	100.2	Pulse	0.1000	3
H2	Sc	45	41381.55	0.9	97.9	Pulse	0.1000	3
H2	Ge	72	42904.05	1.4	97.8	Pulse	0.1000	3
H2	In	115	150700.28	0.9	100.0	Pulse	0.1000	3
He	Sc	45	11304.87	1.5	99.0	Pulse	0.1000	3
He	Ge	72	25000.01	0.9	98.7	Pulse	0.1000	3
He	In	115	27284.83	2.8	100.0	Pulse	0.1000	3
He	Tb	159	177658.77	1.3	100.7	Pulse	0.1000	3
He	Bi	209	137243.14	0.4	101.8	Pulse	0.1000	3

No Gas

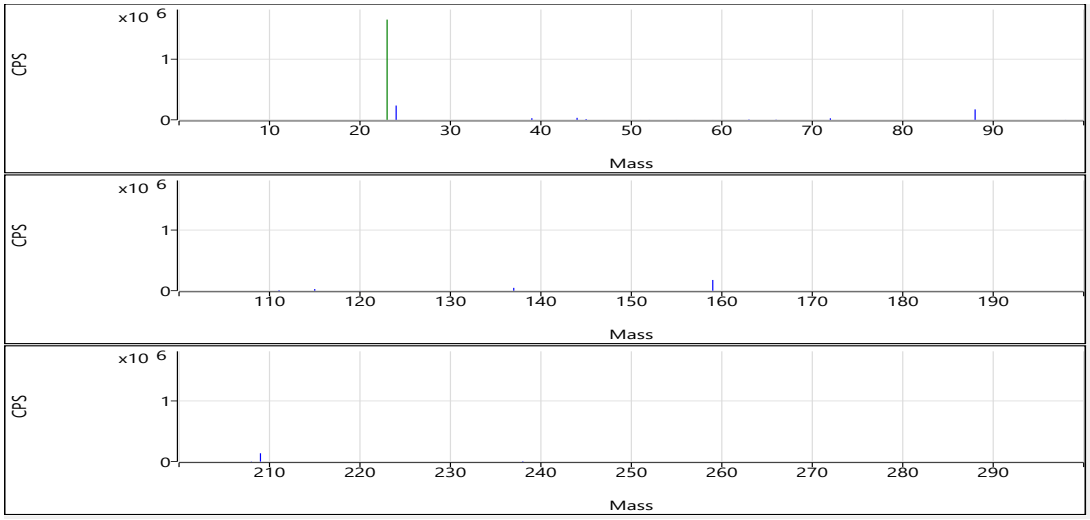


H2



Quantitation Report

He



Quantitation Report

Data File Name	194SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:06:43 PM
Sample Name	180-193746-O-1-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

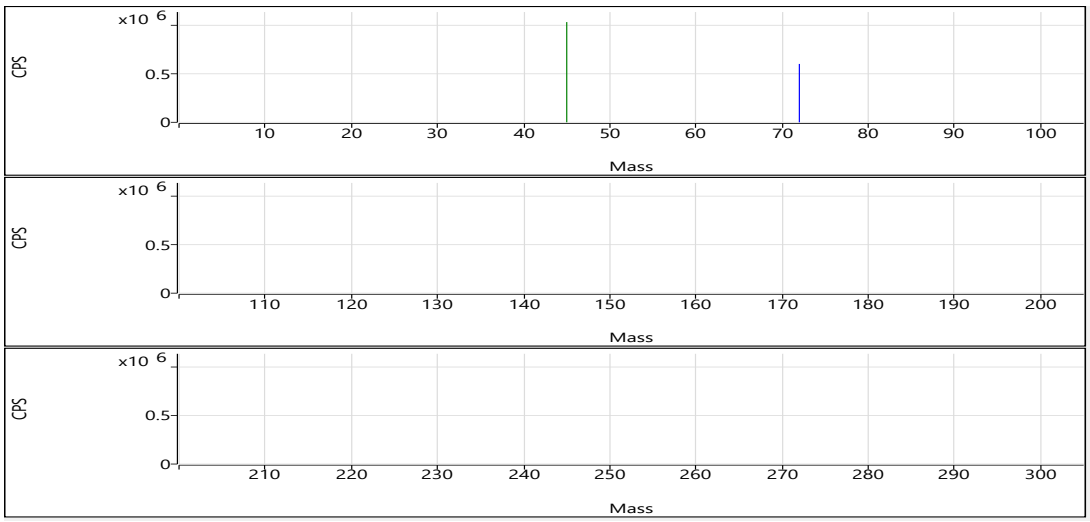
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.018	ug/L	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.024	ppb	N/A	1.56	0.0000	Pulse	1.5000	3
Na	23	72	He	11009.708	ug/L	0.5	509962.00	20.2040	Pulse	0.1000	3
Mg	24	72	He	11176.588	ug/L	0.4	262796.99	10.4117	Pulse	0.1000	3
Al	27	72	He	3.119	ug/L	142.2	66.67	0.0026	Pulse	0.1000	3
K	39	72	He	1562.822	ppb	0.8	22832.25	0.9046	Pulse	0.1000	3
Ca	44	72	He	42175.273	ppb	1.4	37116.13	1.4706	Pulse	0.1000	3
Ti	47	159	He	-0.456	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.057	ppb	100.1	138.67	0.0055	Pulse	0.5000	3
Cr	52	45	He	0.015	ppb	924.4	493.36	0.0450	Pulse	0.1000	3
Mn	55	45	He	1.104	ppb	32.7	260.01	0.0239	Pulse	0.1000	3
Fe	57	72	He	8.991	ppb	56.0	190.01	0.0075	Pulse	0.1000	3
Co	59	72	He	0.011	ppb	296.4	123.34	0.0049	Pulse	0.1000	3
Ni	60	72	He	0.038	ppb	219.7	166.68	0.0066	Pulse	0.1000	3
Cu	63	72	He	2.307	ppb	2.4	2653.68	0.1051	Pulse	0.1000	3
Zn	66	72	He	2.456	ppb	17.1	290.02	0.0115	Pulse	0.1000	3
As	75	45	He	0.770	ppb	18.6	52.67	0.0048	Pulse	0.5000	3
Sr	88	159	He	290.072	ppb	4.8	69965.60	0.3981	Pulse	0.1000	3
Mo	98	159	He	0.656	ppb	6.8	663.38	0.0038	Pulse	0.1000	3
Ag	107	159	He	0.008	ppb	71.5	46.67	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.016	ppb	191.6	6.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.822	ppb	N/A	1406.79	0.0080	Pulse	0.1000	3
Sb	121	159	He	0.052	ppb	64.3	36.67	0.0002	Pulse	0.1000	3
Ba	137	159	He	284.353	ppb	1.4	45317.79	0.2578	Pulse	0.1000	3
Tl	205	159	He	-0.014	ppb	N/A	163.34	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.057	ppb	37.4	383.36	0.0022	Pulse	0.1000	3
U	238	209	He	0.842	ppb	4.7	7676.00	0.0572	Pulse	0.1000	3

ISTD Table:

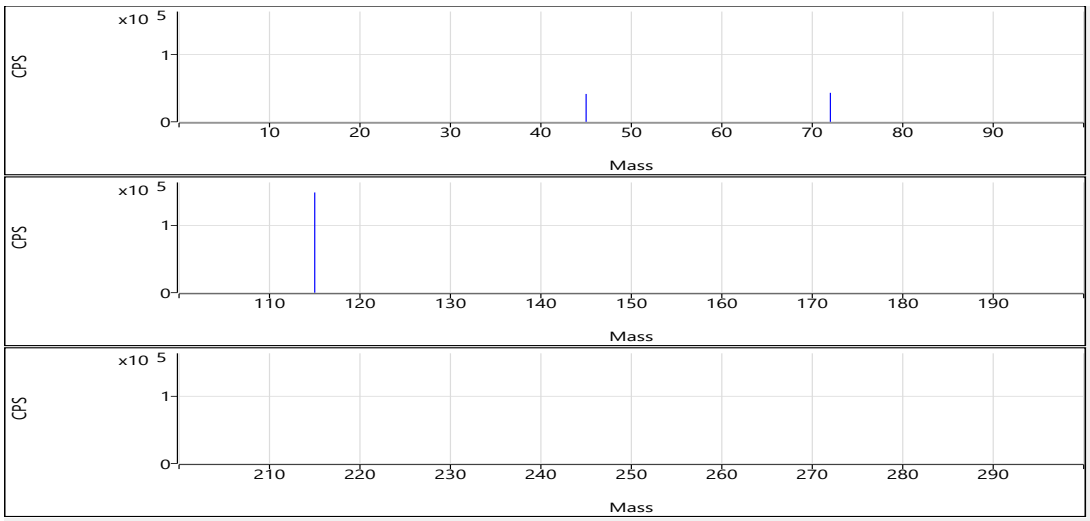
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1028274.85	0.5	98.4	Analog	0.1000	3
No Gas	Ge	72	598760.33	0.5	99.6	Pulse	0.1000	3
H2	Sc	45	41682.35	2.7	98.6	Pulse	0.1000	3
H2	Ge	72	43358.66	1.9	98.8	Pulse	0.1000	3
H2	In	115	149889.13	0.9	99.5	Pulse	0.1000	3
He	Sc	45	10937.91	4.1	95.8	Pulse	0.1000	3
He	Ge	72	25240.28	0.5	99.6	Pulse	0.1000	3
He	In	115	27458.46	2.0	100.6	Pulse	0.1000	3
He	Tb	159	175786.97	1.2	99.7	Pulse	0.1000	3
He	Bi	209	134171.11	1.6	99.5	Pulse	0.1000	3

No Gas

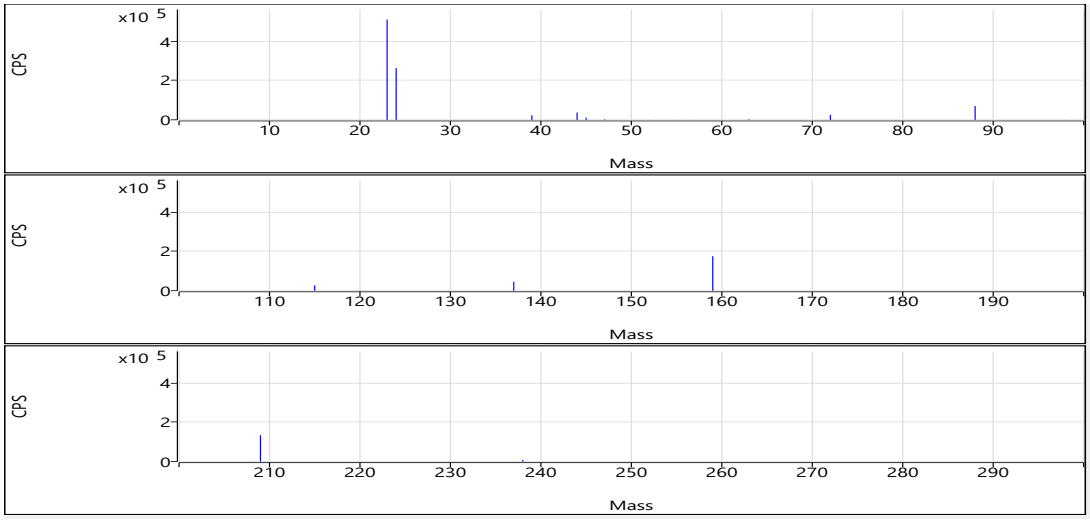


H2



Quantitation Report

He



Quantitation Report

Data File Name	195SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:08:42 PM
Sample Name	180-193740-O-1-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

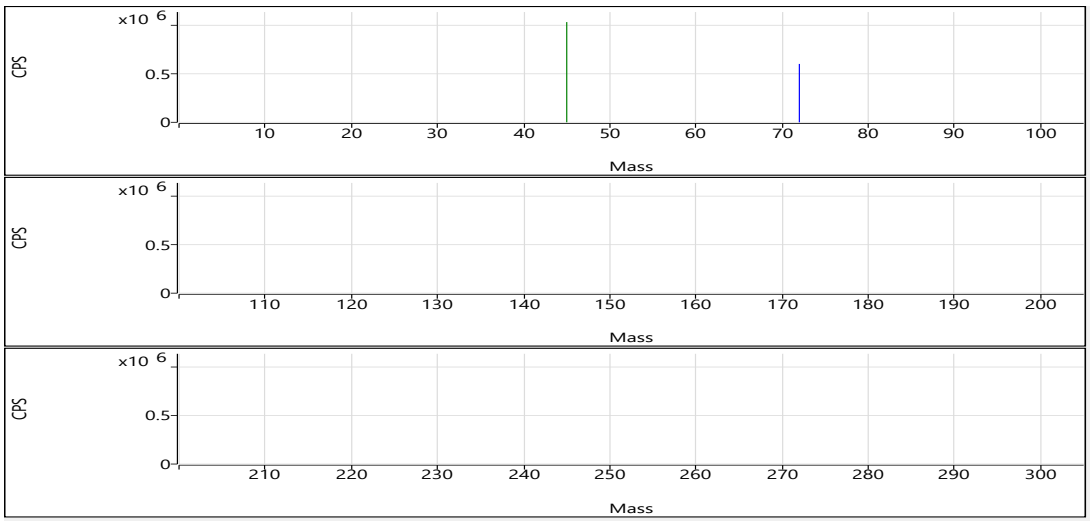
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.024	ug/L	N/A	13.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.041	ppb	N/A	1.11	0.0000	Pulse	1.5000	3
Na	23	72	He	2645.886	ug/L	0.8	126332.71	5.0251	Pulse	0.1000	3
Mg	24	72	He	3390.140	ug/L	1.5	79504.05	3.1625	Pulse	0.1000	3
Al	27	72	He	0.065	ug/L	9195.9	46.67	0.0019	Pulse	0.1000	3
K	39	72	He	576.698	ppb	9.9	9656.92	0.3842	Pulse	0.1000	3
Ca	44	72	He	22012.763	ppb	0.2	19307.08	0.7680	Pulse	0.1000	3
Ti	47	159	He	-0.449	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.087	ppb	31.9	150.00	0.0060	Pulse	0.5000	3
Cr	52	45	He	0.095	ppb	170.3	543.36	0.0487	Pulse	0.1000	3
Mn	55	45	He	4.390	ppb	5.3	906.73	0.0814	Pulse	0.1000	3
Fe	57	72	He	236.557	ppb	10.3	2723.69	0.1084	Pulse	0.1000	3
Co	59	72	He	-0.002	ppb	N/A	106.67	0.0042	Pulse	0.1000	3
Ni	60	72	He	0.030	ppb	629.5	163.34	0.0065	Pulse	0.1000	3
Cu	63	72	He	3.277	ppb	12.9	3697.28	0.1471	Pulse	0.1000	3
Zn	66	72	He	5.645	ppb	9.0	600.03	0.0239	Pulse	0.1000	3
As	75	45	He	0.030	ppb	189.1	12.00	0.0011	Pulse	0.5000	3
Sr	88	159	He	75.463	ppb	0.8	18529.86	0.1051	Pulse	0.1000	3
Mo	98	159	He	0.025	ppb	26.8	83.33	0.0005	Pulse	0.1000	3
Ag	107	159	He	0.004	ppb	198.9	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.003	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.600	ppb	N/A	1536.81	0.0087	Pulse	0.1000	3
Sb	121	159	He	0.008	ppb	443.4	16.67	0.0001	Pulse	0.1000	3
Ba	137	159	He	41.783	ppb	5.5	7409.00	0.0420	Pulse	0.1000	3
Tl	205	159	He	-0.016	ppb	N/A	153.34	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.105	ppb	24.8	570.04	0.0032	Pulse	0.1000	3
U	238	209	He	0.055	ppb	13.5	683.38	0.0049	Pulse	0.1000	3

ISTD Table:

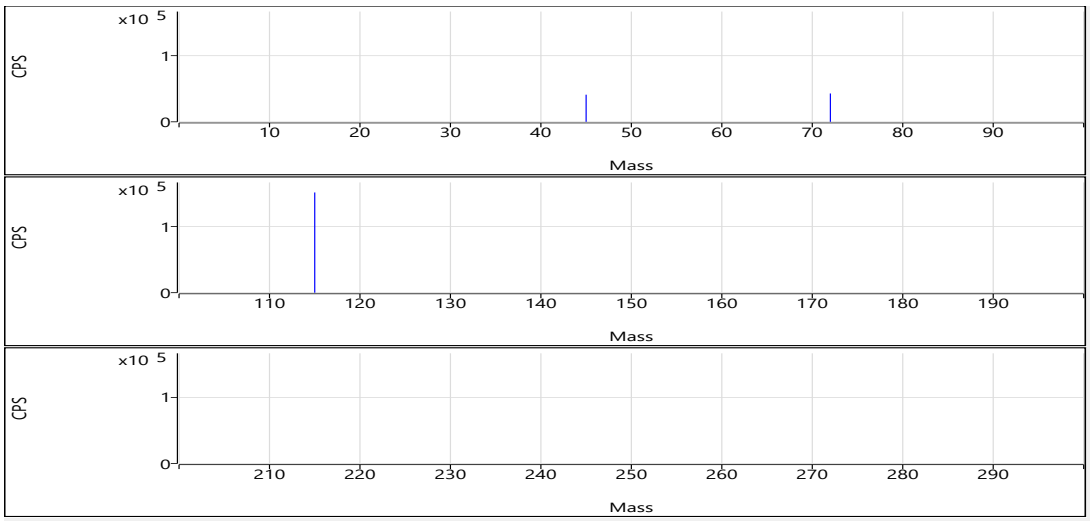
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1035444.28	0.3	99.1	Analog	0.1000	3
No Gas	Ge	72	602988.13	0.4	100.3	Pulse	0.1000	3
H2	Sc	45	40779.51	1.7	96.5	Pulse	0.1000	3
H2	Ge	72	42599.53	0.8	97.1	Pulse	0.1000	3
H2	In	115	150683.73	0.5	100.0	Pulse	0.1000	3
He	Sc	45	11154.84	3.6	97.7	Pulse	0.1000	3
He	Ge	72	25140.21	0.4	99.2	Pulse	0.1000	3
He	In	115	27588.98	1.7	101.1	Pulse	0.1000	3
He	Tb	159	176357.50	1.1	100.0	Pulse	0.1000	3
He	Bi	209	138658.44	0.9	102.8	Pulse	0.1000	3

No Gas

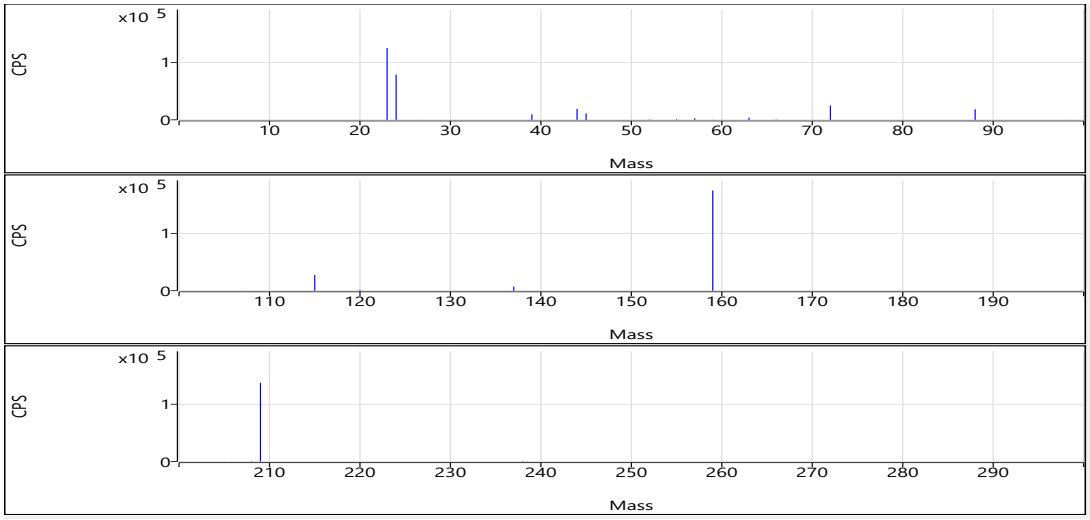


H2



Quantitation Report

He



Quantitation Report

Data File Name	196SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:10:42 PM
Sample Name	410-234163-Q-1-A
Sample Type	Sample
Comment	MS-D16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

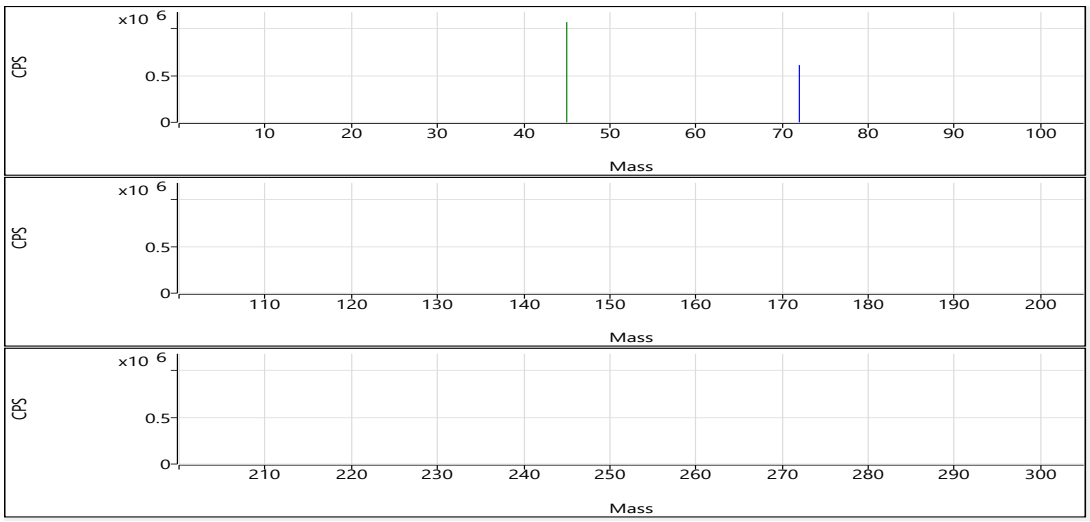
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.025	ug/L	N/A	13.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.049	ppb	N/A	0.89	0.0000	Pulse	1.5000	3
Na	23	72	He	11545.250	ug/L	0.7	539354.96	21.1759	Pulse	0.1000	3
Mg	24	72	He	13832.631	ug/L	0.6	328168.32	12.8845	Pulse	0.1000	3
Al	27	72	He	-0.554	ug/L	N/A	43.33	0.0017	Pulse	0.1000	3
K	39	72	He	2311.906	ppb	1.5	33105.96	1.2999	Pulse	0.1000	3
Ca	44	72	He	36238.040	ppb	1.6	32184.04	1.2637	Pulse	0.1000	3
Ti	47	159	He	0.400	ppb	323.3	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	-0.007	ppb	N/A	114.67	0.0045	Pulse	0.5000	3
Cr	52	45	He	-0.144	ppb	N/A	436.69	0.0376	Pulse	0.1000	3
Mn	55	45	He	242.689	ppb	1.2	49320.99	4.2507	Pulse	0.1000	3
Fe	57	72	He	20.960	ppb	28.8	326.68	0.0128	Pulse	0.1000	3
Co	59	72	He	0.958	ppb	4.1	1360.12	0.0534	Pulse	0.1000	3
Ni	60	72	He	2.374	ppb	15.1	1036.75	0.0407	Pulse	0.1000	3
Cu	63	72	He	3.805	ppb	4.3	4330.82	0.1700	Pulse	0.1000	3
Zn	66	72	He	18.193	ppb	7.2	1846.87	0.0725	Pulse	0.1000	3
As	75	45	He	0.935	ppb	23.2	65.33	0.0056	Pulse	0.5000	3
Sr	88	159	He	160.458	ppb	1.5	40510.63	0.2211	Pulse	0.1000	3
Mo	98	159	He	0.585	ppb	16.7	623.37	0.0034	Pulse	0.1000	3
Ag	107	159	He	0.002	ppb	279.8	36.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.007	ppb	N/A	2.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.839	ppb	N/A	1456.81	0.0080	Pulse	0.1000	3
Sb	121	159	He	0.021	ppb	263.1	23.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	118.498	ppb	0.9	20199.26	0.1103	Pulse	0.1000	3
Tl	205	159	He	0.006	ppb	125.3	286.68	0.0016	Pulse	0.1000	3
Pb	208	159	He	0.069	ppb	30.9	446.69	0.0024	Pulse	0.1000	3
U	238	209	He	1.829	ppb	4.5	17062.28	0.1228	Pulse	0.1000	3

ISTD Table:

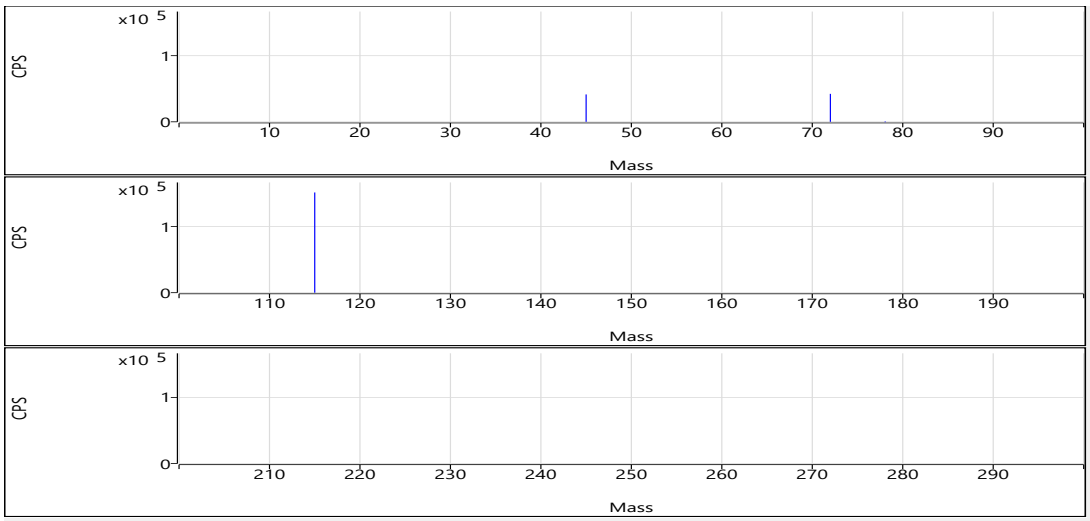
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1071448.16	0.3	102.5	Analog	0.1000	3
No Gas	Ge	72	611644.55	0.4	101.7	Pulse	0.1000	3
H2	Sc	45	41501.91	1.1	98.2	Pulse	0.1000	3
H2	Ge	72	42382.25	1.6	96.6	Pulse	0.1000	3
H2	In	115	151920.72	2.0	100.8	Pulse	0.1000	3
He	Sc	45	11601.81	1.6	101.6	Pulse	0.1000	3
He	Ge	72	25470.72	0.8	100.6	Pulse	0.1000	3
He	In	115	28196.83	0.6	103.3	Pulse	0.1000	3
He	Tb	159	183196.23	1.3	103.9	Pulse	0.1000	3
He	Bi	209	139026.34	1.7	103.1	Pulse	0.1000	3

No Gas

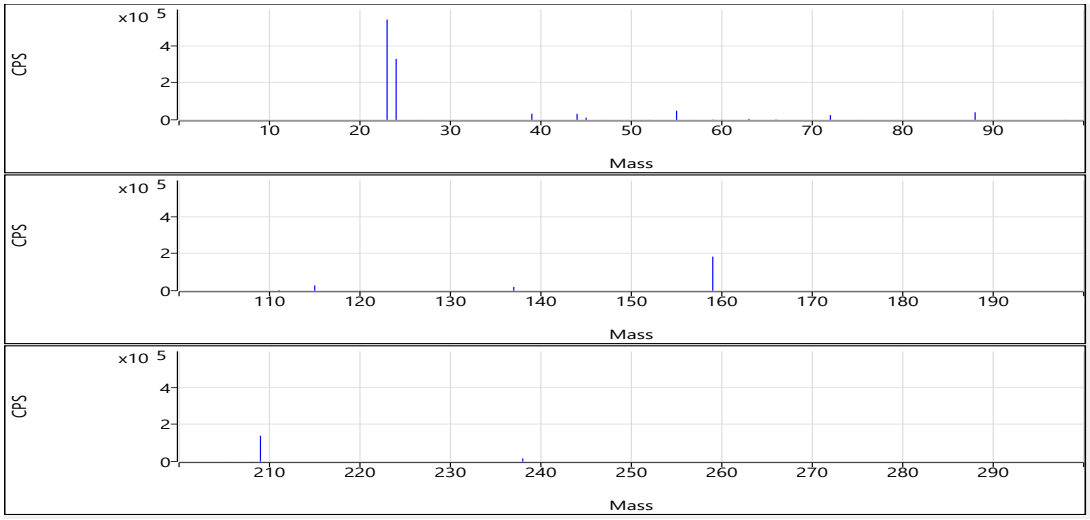


H2



Quantitation Report

He



Quantitation Report

Data File Name	198_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:14:43 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

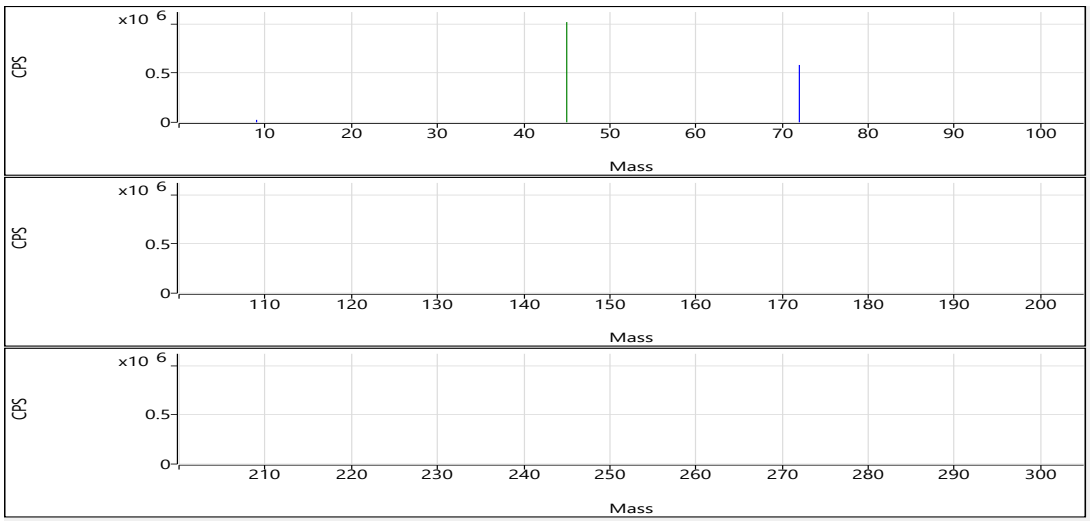
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.012	ug/L	1.2	24606.19	0.0242	Pulse	0.5000	3
Se	78	72	H2	51.106	ppb	3.2	1241.17	0.0309	Pulse	1.5000	3
Na	23	72	He	4869.854	ug/L	2.0	222178.91	9.0612	Pulse	0.1000	3
Mg	24	72	He	4804.056	ug/L	0.8	109845.94	4.4789	Pulse	0.1000	3
Al	27	72	He	4931.234	ug/L	1.4	30817.31	1.2567	Pulse	0.1000	3
K	39	72	He	4853.219	ppb	3.5	64738.34	2.6409	Pulse	0.1000	3
Ca	44	72	He	4968.806	ppb	2.9	4267.50	0.1741	Pulse	0.1000	3
Ti	47	159	He	5002.289	ppb	0.6	36705.35	0.2094	Pulse	0.1000	3
V	51	72	He	489.141	ppb	2.9	188470.03	7.6879	Pulse	0.5000	3
Cr	52	45	He	516.856	ppb	3.8	259792.20	24.1421	Pulse	0.1000	3
Mn	55	45	He	511.946	ppb	3.7	96460.08	8.9616	Pulse	0.1000	3
Fe	57	72	He	4836.118	ppb	3.1	52609.32	2.1461	Pulse	0.1000	3
Co	59	72	He	471.125	ppb	3.0	591427.24	24.1256	Pulse	0.1000	3
Ni	60	72	He	493.952	ppb	2.1	177032.29	7.2201	Pulse	0.1000	3
Cu	63	72	He	492.714	ppb	2.9	523066.67	21.3365	Pulse	0.1000	3
Zn	66	72	He	488.558	ppb	3.6	46491.86	1.8967	Pulse	0.1000	3
As	75	45	He	519.320	ppb	2.6	28165.16	2.6166	Pulse	0.5000	3
Sr	88	159	He	47.856	ppb	0.8	11808.87	0.0674	Pulse	0.1000	3
Mo	98	159	He	50.175	ppb	2.1	46071.89	0.2629	Pulse	0.1000	3
Ag	107	159	He	49.522	ppb	2.3	108138.67	0.6170	Pulse	0.1000	3
Cd	111	159	He	49.202	ppb	1.9	10305.95	0.0588	Pulse	0.5000	3
Sn	120	159	He	50.327	ppb	2.3	30124.48	0.1719	Pulse	0.1000	3
Sb	121	159	He	49.945	ppb	1.3	22573.04	0.1288	Pulse	0.1000	3
Ba	137	159	He	495.697	ppb	2.8	78136.18	0.4458	Pulse	0.1000	3
Tl	205	159	He	50.079	ppb	1.0	278034.64	1.5863	Pulse	0.1000	3
Pb	208	159	He	49.988	ppb	1.2	193345.12	1.1031	Pulse	0.1000	3
U	238	209	He	49.670	ppb	1.7	447289.55	3.3011	Pulse	0.1000	3

ISTD Table:

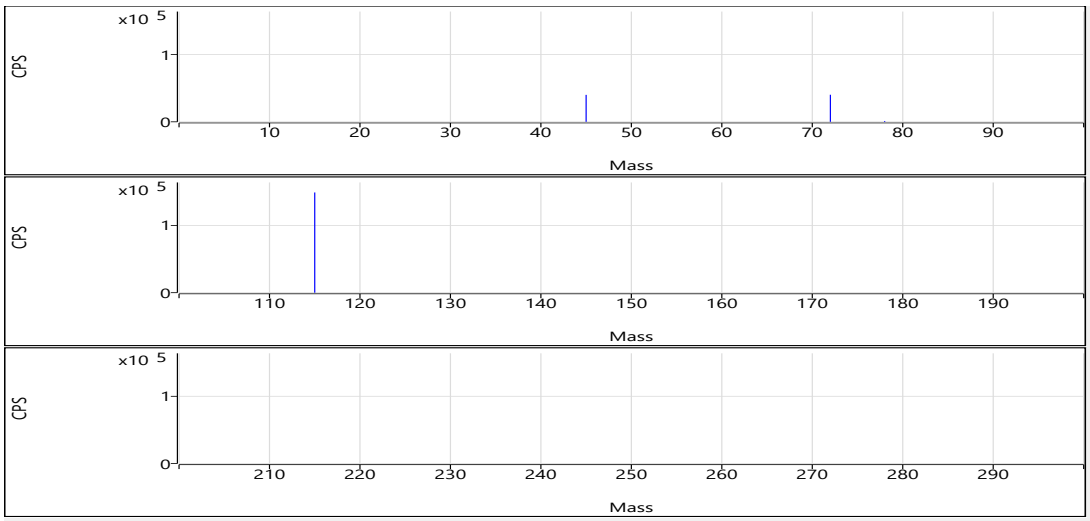
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1016403.65	0.5	97.2	Analog	0.1000	3
No Gas	Ge	72	581444.49	1.0	96.7	Pulse	0.1000	3
H2	Sc	45	40004.25	1.4	94.6	Pulse	0.1000	3
H2	Ge	72	40178.80	2.4	91.6	Pulse	0.1000	3
H2	In	115	148761.25	0.2	98.7	Pulse	0.1000	3
He	Sc	45	10771.12	3.8	94.3	Pulse	0.1000	3
He	Ge	72	24529.01	2.9	96.8	Pulse	0.1000	3
He	In	115	26723.95	1.0	97.9	Pulse	0.1000	3
He	Tb	159	175272.54	0.4	99.4	Pulse	0.1000	3
He	Bi	209	135532.40	2.4	100.5	Pulse	0.1000	3

No Gas

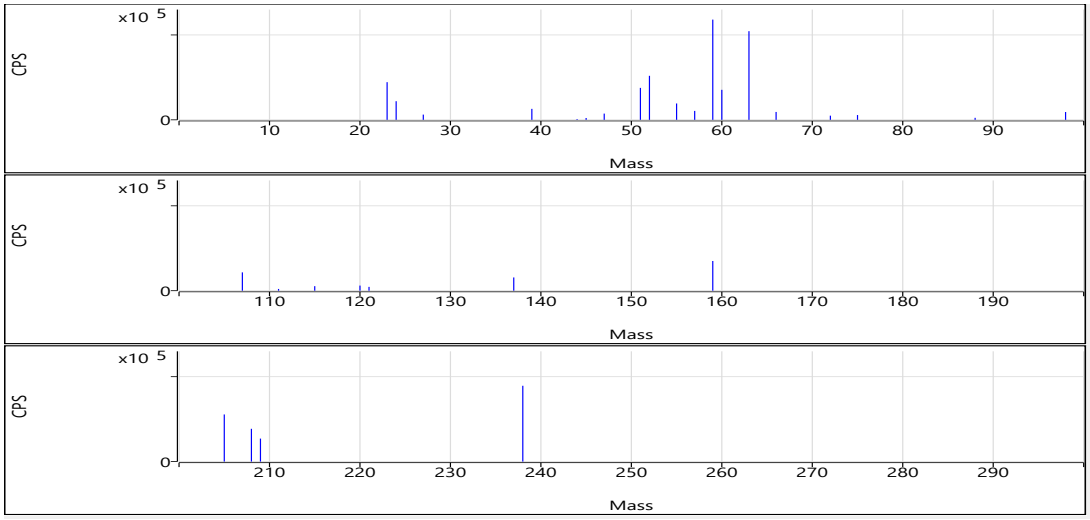


H2



Quantitation Report

He



Quantitation Report

Data File Name	200_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:18:43 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

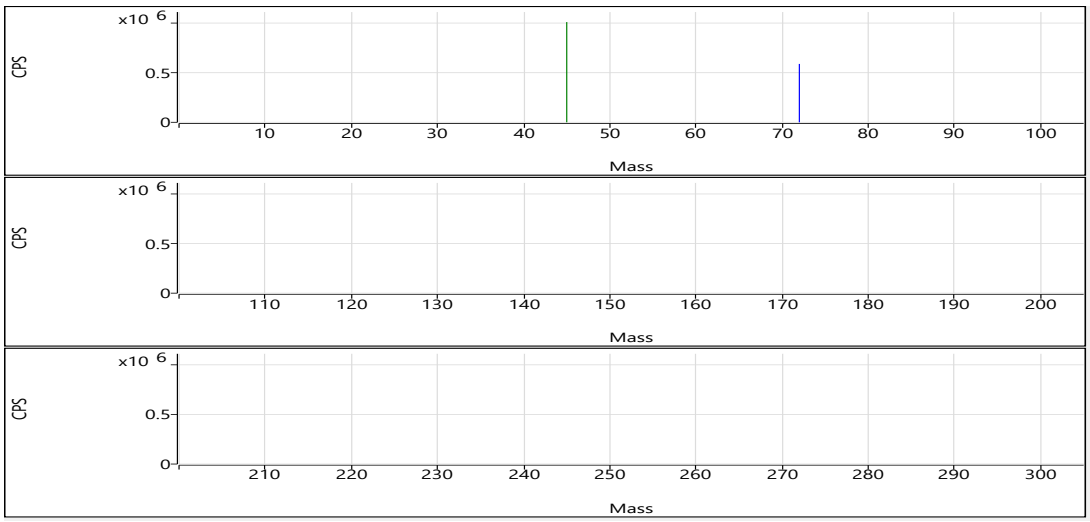
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.018	ug/L	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.030	ppb	N/A	1.33	0.0000	Pulse	1.5000	3
Na	23	72	He	1.678	ug/L	144.0	5641.36	0.2264	Pulse	0.1000	3
Mg	24	72	He	5.273	ug/L	43.0	280.02	0.0112	Pulse	0.1000	3
Al	27	72	He	1.644	ug/L	183.9	56.67	0.0023	Pulse	0.1000	3
K	39	72	He	15.825	ppb	100.1	2196.91	0.0882	Pulse	0.1000	3
Ca	44	72	He	42.467	ppb	21.9	60.00	0.0024	Pulse	0.1000	3
Ti	47	159	He	0.946	ppb	224.5	13.33	0.0001	Pulse	0.1000	3
V	51	72	He	0.070	ppb	47.8	142.00	0.0057	Pulse	0.5000	3
Cr	52	45	He	-0.100	ppb	N/A	430.02	0.0396	Pulse	0.1000	3
Mn	55	45	He	0.407	ppb	45.5	126.67	0.0117	Pulse	0.1000	3
Fe	57	72	He	1.050	ppb	151.7	100.00	0.0040	Pulse	0.1000	3
Co	59	72	He	-0.019	ppb	N/A	83.33	0.0034	Pulse	0.1000	3
Ni	60	72	He	0.027	ppb	317.2	160.01	0.0064	Pulse	0.1000	3
Cu	63	72	He	0.142	ppb	33.3	283.35	0.0114	Pulse	0.1000	3
Zn	66	72	He	-0.168	ppb	N/A	33.33	0.0013	Pulse	0.1000	3
As	75	45	He	-0.024	ppb	N/A	8.67	0.0008	Pulse	0.5000	3
Sr	88	159	He	-0.633	ppb	N/A	200.01	0.0012	Pulse	0.1000	3
Mo	98	159	He	0.034	ppb	139.7	90.00	0.0005	Pulse	0.1000	3
Ag	107	159	He	0.005	ppb	250.7	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.003	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.306	ppb	N/A	1670.17	0.0097	Pulse	0.1000	3
Sb	121	159	He	0.031	ppb	84.5	26.67	0.0002	Pulse	0.1000	3
Ba	137	159	He	-1.975	ppb	N/A	533.36	0.0031	Pulse	0.1000	3
Tl	205	159	He	-0.017	ppb	N/A	146.67	0.0008	Pulse	0.1000	3
Pb	208	159	He	0.043	ppb	26.6	323.35	0.0019	Pulse	0.1000	3
U	238	209	He	0.005	ppb	135.5	216.68	0.0016	Pulse	0.1000	3

ISTD Table:

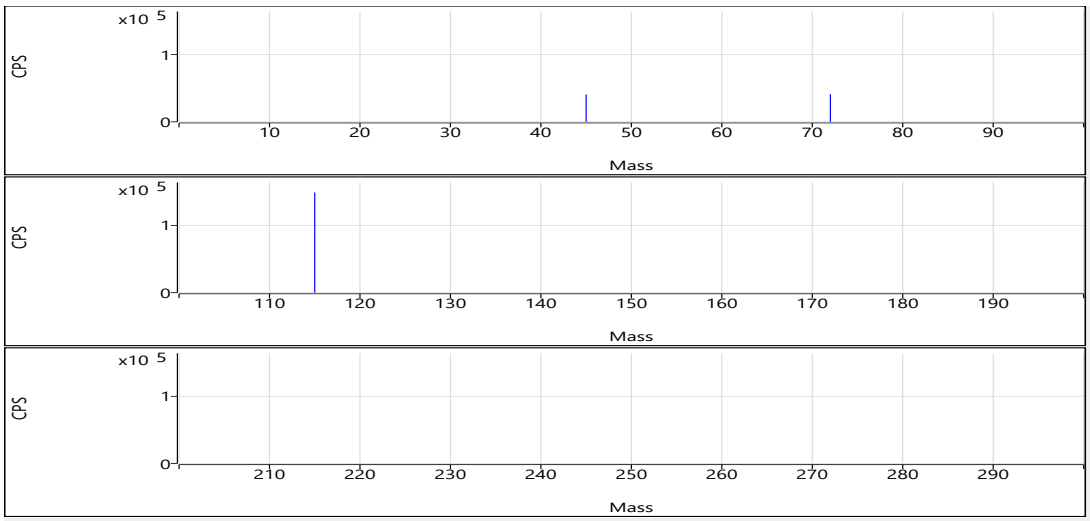
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1010316.81	0.5	96.6	Analog	0.1000	3
No Gas	Ge	72	588418.51	0.5	97.9	Pulse	0.1000	3
H2	Sc	45	40602.65	1.4	96.1	Pulse	0.1000	3
H2	Ge	72	41088.30	1.2	93.7	Pulse	0.1000	3
H2	In	115	148752.41	1.0	98.7	Pulse	0.1000	3
He	Sc	45	10887.85	2.9	95.3	Pulse	0.1000	3
He	Ge	72	24923.16	3.2	98.4	Pulse	0.1000	3
He	In	115	27168.07	2.6	99.5	Pulse	0.1000	3
He	Tb	159	172950.02	0.5	98.1	Pulse	0.1000	3
He	Bi	209	136091.92	0.7	100.9	Pulse	0.1000	3

No Gas

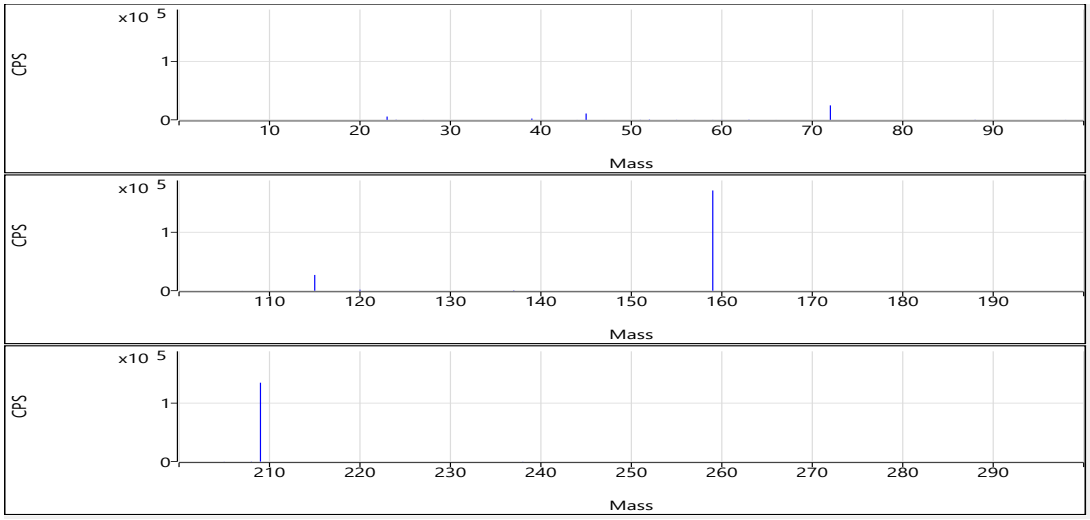


H2



Quantitation Report

He



Quantitation Report

Data File Name	201SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:20:45 PM
Sample Name	410-234898-K-4-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

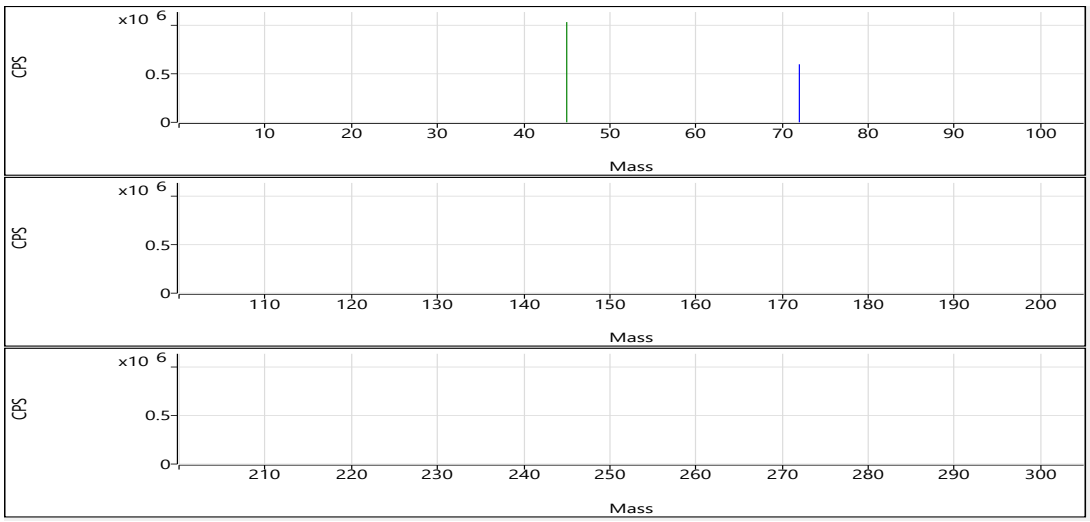
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.008	ug/L	N/A	21.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.048	ppb	N/A	0.89	0.0000	Pulse	1.5000	3
Na	23	72	He	6842.743	ug/L	1.1	316268.26	12.6417	Pulse	0.1000	3
Mg	24	72	He	33717.554	ug/L	0.9	785559.23	31.3974	Mix	0.1000	3
Al	27	72	He	-0.983	ug/L	N/A	40.00	0.0016	Pulse	0.1000	3
K	39	72	He	2494.328	ppb	2.5	34926.78	1.3961	Pulse	0.1000	3
Ca	44	72	He	89849.017	ppb	1.8	78347.86	3.1318	Pulse	0.1000	3
Ti	47	159	He	-0.448	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.023	ppb	174.1	124.00	0.0050	Pulse	0.5000	3
Cr	52	45	He	-0.058	ppb	N/A	463.36	0.0416	Pulse	0.1000	3
Mn	55	45	He	2544.754	ppb	2.4	496739.43	44.5277	Pulse	0.1000	3
Fe	57	72	He	7092.346	ppb	1.6	78694.52	3.1456	Pulse	0.1000	3
Co	59	72	He	10.964	ppb	3.5	14150.92	0.5657	Pulse	0.1000	3
Ni	60	72	He	10.018	ppb	5.1	3810.67	0.1524	Pulse	0.1000	3
Cu	63	72	He	0.223	ppb	4.1	373.35	0.0149	Pulse	0.1000	3
Zn	66	72	He	6.018	ppb	6.3	633.38	0.0253	Pulse	0.1000	3
As	75	45	He	4.801	ppb	3.0	280.00	0.0251	Pulse	0.5000	3
Sr	88	159	He	89.997	ppb	2.3	22158.64	0.1249	Pulse	0.1000	3
Mo	98	159	He	0.610	ppb	7.0	626.70	0.0035	Pulse	0.1000	3
Ag	107	159	He	-0.006	ppb	N/A	16.67	0.0001	Pulse	0.1000	3
Cd	111	159	He	0.025	ppb	59.2	8.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.909	ppb	N/A	1370.13	0.0077	Pulse	0.1000	3
Sb	121	159	He	0.007	ppb	620.3	16.67	0.0001	Pulse	0.1000	3
Ba	137	159	He	356.559	ppb	3.2	57119.84	0.3220	Pulse	0.1000	3
Tl	205	159	He	0.030	ppb	44.2	413.36	0.0023	Pulse	0.1000	3
Pb	208	159	He	0.046	ppb	14.6	343.35	0.0019	Pulse	0.1000	3
U	238	209	He	0.590	ppb	3.3	5528.10	0.0404	Pulse	0.1000	3

ISTD Table:

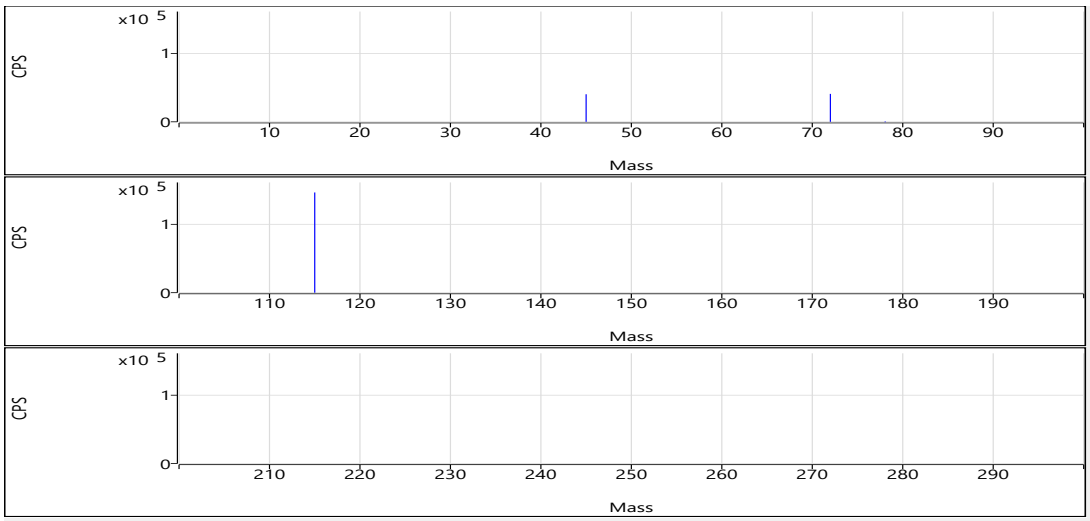
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1036893.19	0.4	99.2	Analog	0.1000	3
No Gas	Ge	72	600184.48	1.1	99.8	Pulse	0.1000	3
H2	Sc	45	40161.23	1.6	95.0	Pulse	0.1000	3
H2	Ge	72	40713.75	0.4	92.8	Pulse	0.1000	3
H2	In	115	146069.84	0.4	96.9	Pulse	0.1000	3
He	Sc	45	11161.47	3.3	97.7	Pulse	0.1000	3
He	Ge	72	25019.74	1.1	98.8	Pulse	0.1000	3
He	In	115	26807.37	3.3	98.2	Pulse	0.1000	3
He	Tb	159	177421.72	1.6	100.6	Pulse	0.1000	3
He	Bi	209	136702.23	0.2	101.4	Pulse	0.1000	3

No Gas

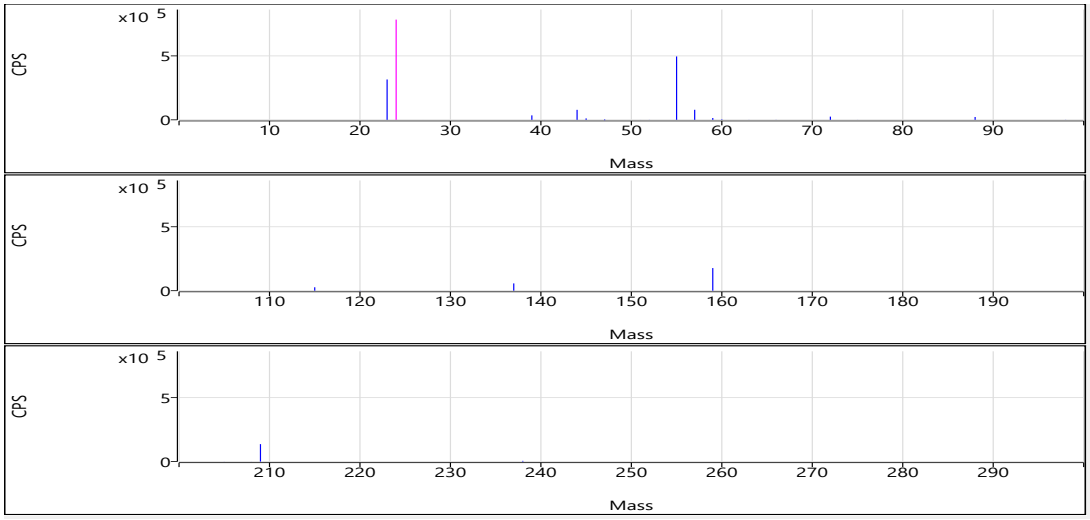


H2



Quantitation Report

He



US EPA Tune Check Report

Operator Name	ETUS023_USR_INS00061
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12A00.b
Acq. Date-Time	8/12/2025 7:53:37 AM
Report Comment	E10 Tune Report
Instrument Name	G8422A SG24451611

[No Gas]

Sensitivity

Mass	Conc. [ug/L]	Count	CPS	Resp (Required) [cps/(ug/L)]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	1797	17968.18			1.007	5.000
24	10.00	11870	118698.25			3.773	5.000
25	10.00	1644	16443.47			3.804	5.000
26	10.00	1924	19242.52			3.625	5.000
59	10.00	23950	239504.75			0.488	5.000
115	10.00	48721	487208.98			0.421	5.000
206	10.00	14171	141707.83			0.404	5.000
207	10.00	11765	117652.38			0.202	5.000
208	10.00	28953	289527.11			0.298	5.000

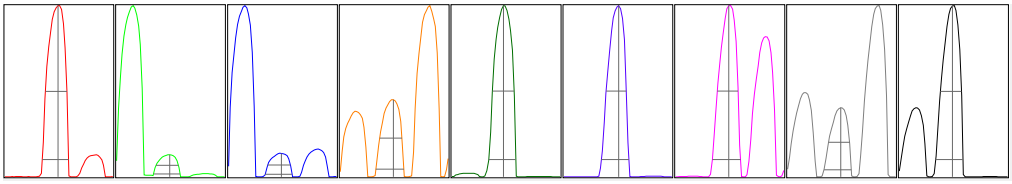
Mass	RSD% (Flag)
9	
24	
25	
26	
59	
115	
206	
207	
208	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	1813	1818	1794	1781	1778
24	12336	12196	11976	11598	11243
25	1706	1698	1653	1605	1559
26	2004	1973	1930	1885	1829
59	24074	24019	23928	23966	23766
115	48660	48918	48948	48478	48599
206	14156	14209	14250	14118	14122
207	11779	11790	11730	11752	11775
208	29004	28981	29023	28807	28949

Integration Time [sec] 0.1

Resolution/Axis

US EPA Tune Check Report



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	3234.49	9.00	8.90 - 9.10	
24	20528.05	24.00	23.90 - 24.10	
25	2803.02	25.00	24.90 - 25.10	
26	3312.62	26.00	25.90 - 26.10	
59	42695.84	58.95	58.90 - 59.10	
115	92004.66	115.05	114.90 - 115.10	
206	26040.82	206.00	205.90 - 206.10	
207	21330.01	207.00	206.90 - 207.10	
208	52863.55	208.00	207.90 - 208.10	

Mass	W-50%	W-10%	W-10% (Required)	W-10% (Flag)
9	0.59	0.718	0.900	
24	0.61	0.725	0.900	
25	0.62	0.735	0.900	
26	0.61	0.764	0.900	
59	0.59	0.739	0.900	
115	0.55	0.750	0.900	
206	0.57	0.775	0.900	
207	0.58	0.746	0.900	
208	0.57	0.750	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	235
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	1.09 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	11.7 V	Deflect	16.8 V
Extract 2	-210.0 V	Cell Entrance	-40 V	Plate Bias	-50 V
Omega Bias	-95 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.5 V

US EPA Tune Check Report

He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	190 V		

QP Parameters

Mass Gain	125	Axis Gain	0.9994	QP Bias	-2.5 V
Mass Offset	126	Axis Offset	-0.01		

Hardware Settings

Torch

Torch H	-0.2 mm	Torch V	0.0 mm		

EM

Discriminator	2.5 mV	Analog HV	2145 V	Pulse HV	1000 V

Quantitation Report

Data File Name	202SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:22:45 PM
Sample Name	410-234898-B-4-A DU
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

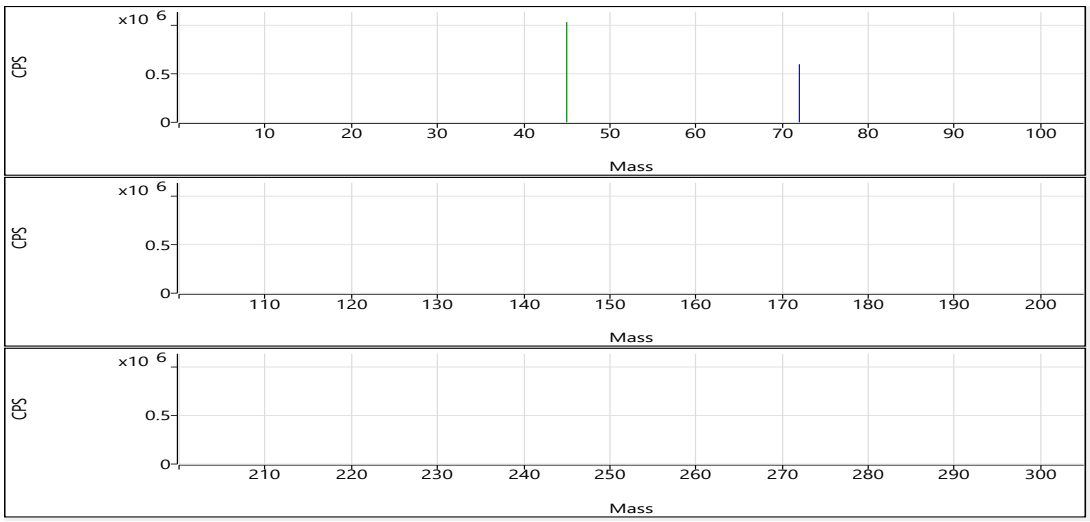
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.016	ug/L	N/A	17.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.049	ppb	N/A	0.89	0.0000	Pulse	1.5000	3
Na	23	72	He	6962.656	ug/L	2.5	321398.57	12.8593	Pulse	0.1000	3
Mg	24	72	He	34860.115	ug/L	2.7	811259.52	32.4612	Analog	0.1000	3
Al	27	72	He	-2.518	ug/L	N/A	30.00	0.0012	Pulse	0.1000	3
K	39	72	He	2576.027	ppb	1.1	35979.76	1.4392	Pulse	0.1000	3
Ca	44	72	He	91306.835	ppb	2.3	79544.10	3.1826	Pulse	0.1000	3
Ti	47	159	He	-0.445	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.082	ppb	30.8	147.33	0.0059	Pulse	0.5000	3
Cr	52	45	He	-0.082	ppb	N/A	436.69	0.0404	Pulse	0.1000	3
Mn	55	45	He	2676.806	ppb	0.7	505881.49	46.8381	Pulse	0.1000	3
Fe	57	72	He	7180.094	ppb	3.4	79578.86	3.1845	Pulse	0.1000	3
Co	59	72	He	11.406	ppb	5.1	14698.20	0.5883	Pulse	0.1000	3
Ni	60	72	He	9.931	ppb	6.0	3780.65	0.1511	Pulse	0.1000	3
Cu	63	72	He	0.310	ppb	6.5	466.70	0.0187	Pulse	0.1000	3
Zn	66	72	He	6.069	ppb	12.1	636.71	0.0255	Pulse	0.1000	3
As	75	45	He	4.619	ppb	11.5	261.34	0.0242	Pulse	0.5000	3
Sr	88	159	He	90.388	ppb	2.3	21954.91	0.1255	Pulse	0.1000	3
Mo	98	159	He	0.521	ppb	15.2	536.70	0.0031	Pulse	0.1000	3
Ag	107	159	He	0.003	ppb	222.9	36.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.013	ppb	N/A	0.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.675	ppb	N/A	1483.47	0.0085	Pulse	0.1000	3
Sb	121	159	He	0.015	ppb	148.3	20.00	0.0001	Pulse	0.1000	3
Ba	137	159	He	366.486	ppb	1.0	57909.93	0.3309	Pulse	0.1000	3
Tl	205	159	He	0.033	ppb	39.6	423.36	0.0024	Pulse	0.1000	3
Pb	208	159	He	0.069	ppb	51.1	430.02	0.0025	Pulse	0.1000	3
U	238	209	He	0.587	ppb	8.4	5404.71	0.0402	Pulse	0.1000	3

ISTD Table:

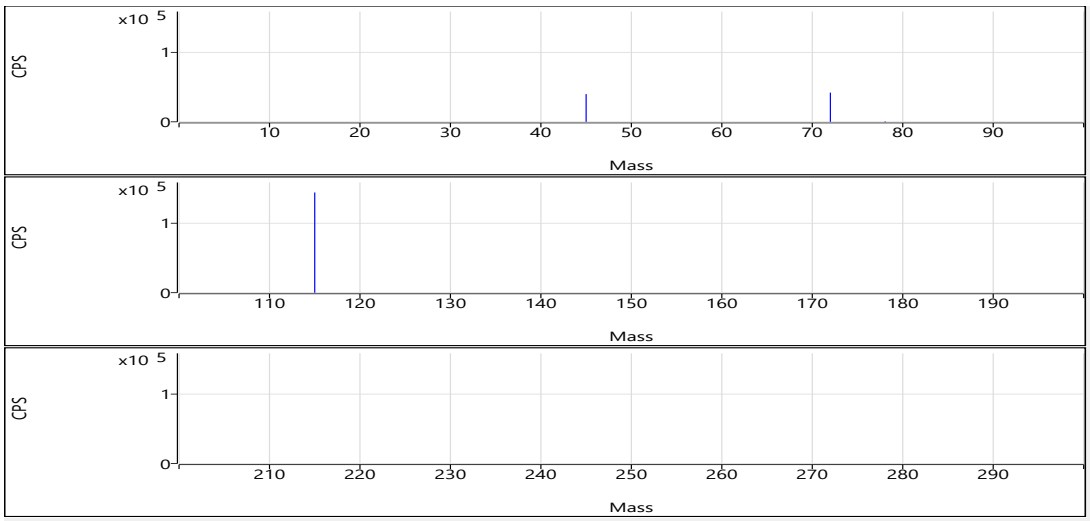
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1029547.77	0.7	98.5	Analog	0.1000	3
No Gas	Ge	72	596723.54	0.0	99.2	Pulse	0.1000	3
H2	Sc	45	40024.47	3.9	94.7	Pulse	0.1000	3
H2	Ge	72	42181.37	0.7	96.2	Pulse	0.1000	3
H2	In	115	144829.60	0.6	96.1	Pulse	0.1000	3
He	Sc	45	10801.16	1.2	94.6	Pulse	0.1000	3
He	Ge	72	25003.18	2.5	98.7	Pulse	0.1000	3
He	In	115	26463.26	3.4	97.0	Pulse	0.1000	3
He	Tb	159	175016.15	0.7	99.2	Pulse	0.1000	3
He	Bi	209	134258.71	0.8	99.6	Pulse	0.1000	3

No Gas

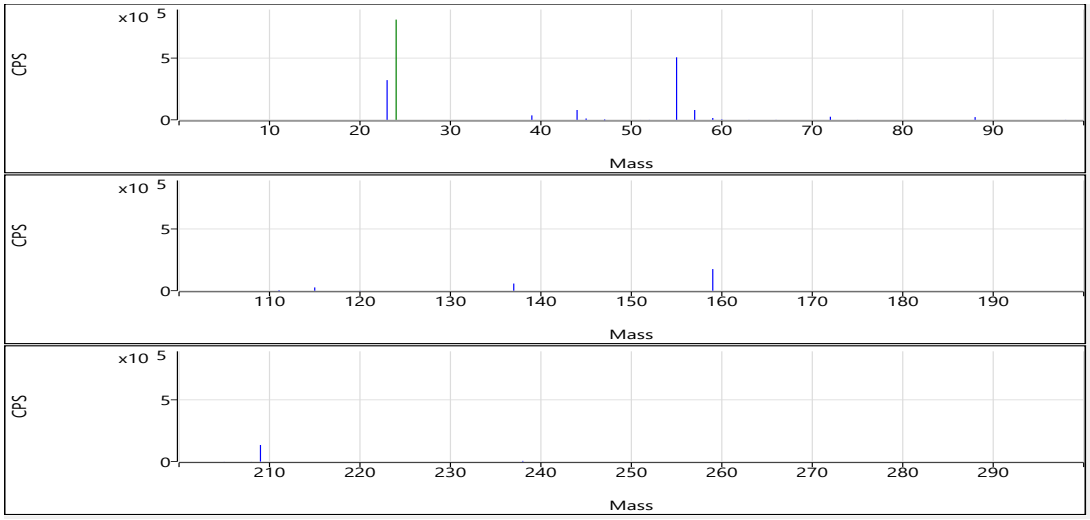


H2



Quantitation Report

He



Quantitation Report

Data File Name	203SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:24:46 PM
Sample Name	410-234898-K-4-B MS
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

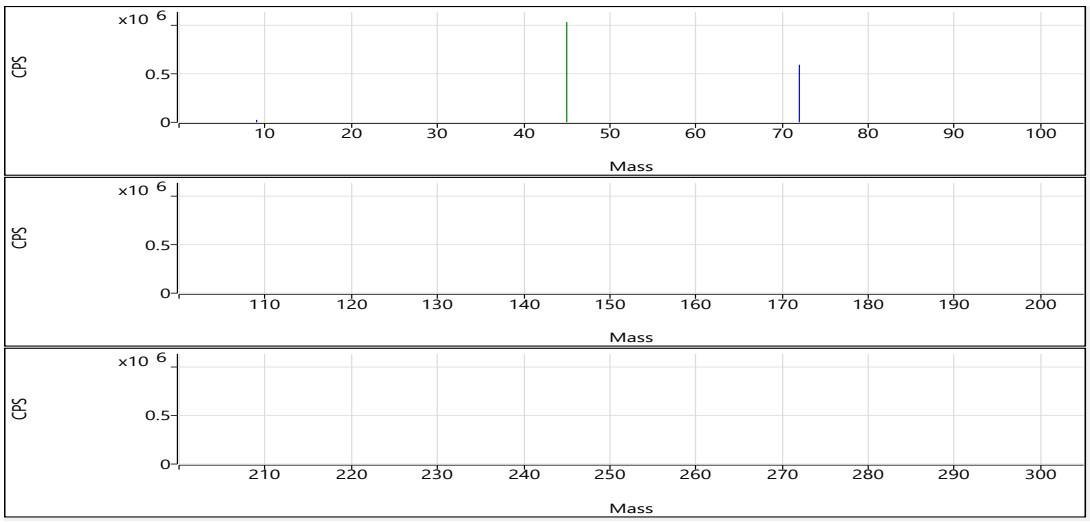
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.054	ug/L	2.4	24960.77	0.0242	Pulse	0.5000	3
Se	78	72	H2	98.005	ppb	1.6	2506.68	0.0592	Pulse	1.5000	3
Na	23	72	He	12082.032	ug/L	2.4	545494.68	22.1501	Pulse	0.1000	3
Mg	24	72	He	40212.947	ug/L	2.1	922203.69	37.4447	Analog	0.1000	3
Al	27	72	He	4748.592	ug/L	0.8	29815.15	1.2102	Pulse	0.1000	3
K	39	72	He	7348.425	ppb	1.5	97477.15	3.9576	Pulse	0.1000	3
Ca	44	72	He	96509.988	ppb	0.7	82866.33	3.3639	Pulse	0.1000	3
Ti	47	159	He	496.359	ppb	6.5	3687.27	0.0208	Pulse	0.1000	3
V	51	72	He	483.096	ppb	1.8	187007.26	7.5929	Pulse	0.5000	3
Cr	52	45	He	502.573	ppb	5.0	257096.82	23.4762	Pulse	0.1000	3
Mn	55	45	He	3246.516	ppb	4.6	622181.29	56.8058	Pulse	0.1000	3
Fe	57	72	He	12406.779	ppb	1.8	135473.09	5.5000	Pulse	0.1000	3
Co	59	72	He	469.518	ppb	2.1	592158.73	24.0433	Pulse	0.1000	3
Ni	60	72	He	485.824	ppb	2.2	174894.53	7.1014	Pulse	0.1000	3
Cu	63	72	He	478.775	ppb	2.7	510572.36	20.7331	Pulse	0.1000	3
Zn	66	72	He	483.603	ppb	1.5	46244.04	1.8774	Pulse	0.1000	3
As	75	45	He	529.267	ppb	4.2	29209.97	2.6667	Pulse	0.5000	3
Sr	88	159	He	138.556	ppb	1.4	33882.66	0.1912	Pulse	0.1000	3
Mo	98	159	He	49.506	ppb	0.6	45954.97	0.2594	Pulse	0.1000	3
Ag	107	159	He	48.826	ppb	1.1	107786.12	0.6083	Pulse	0.1000	3
Cd	111	159	He	49.301	ppb	2.1	10438.73	0.0589	Pulse	0.5000	3
Sn	120	159	He	96.000	ppb	1.7	56378.94	0.3182	Pulse	0.1000	3
Sb	121	159	He	96.654	ppb	0.3	44146.56	0.2492	Pulse	0.1000	3
Ba	137	159	He	847.248	ppb	0.9	134406.22	0.7586	Pulse	0.1000	3
Tl	205	159	He	97.403	ppb	0.7	546425.72	3.0840	Pulse	0.1000	3
Pb	208	159	He	49.065	ppb	1.7	191841.45	1.0827	Pulse	0.1000	3
U	238	209	He	50.471	ppb	0.6	449412.95	3.3543	Pulse	0.1000	3

ISTD Table:

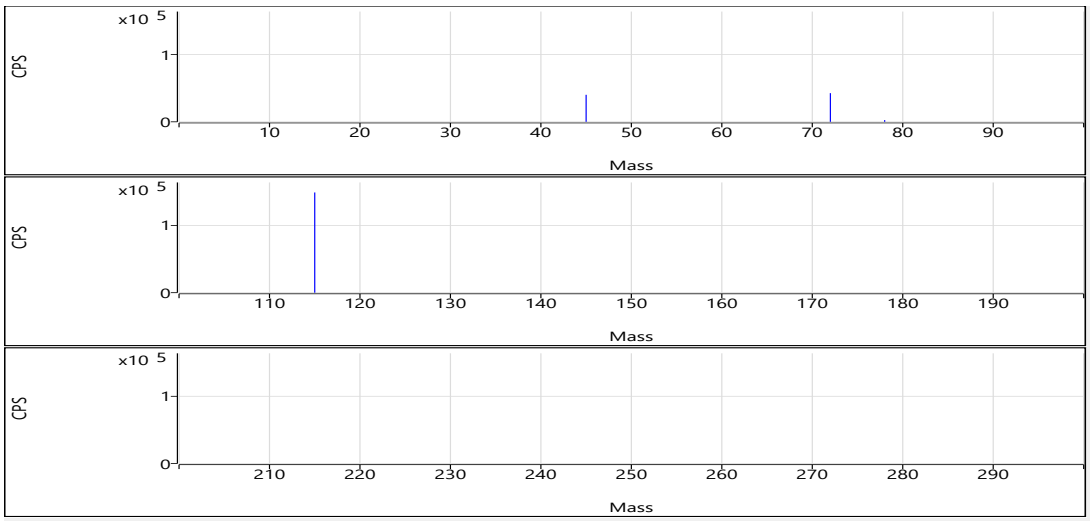
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1030163.06	0.5	98.5	Analog	0.1000	3
No Gas	Ge	72	591341.16	0.5	98.3	Pulse	0.1000	3
H2	Sc	45	39897.12	2.8	94.4	Pulse	0.1000	3
H2	Ge	72	42335.54	2.2	96.5	Pulse	0.1000	3
H2	In	115	148041.59	2.1	98.2	Pulse	0.1000	3
He	Sc	45	10964.57	3.6	96.0	Pulse	0.1000	3
He	Ge	72	24635.89	2.3	97.3	Pulse	0.1000	3
He	In	115	27214.89	1.5	99.7	Pulse	0.1000	3
He	Tb	159	177179.92	0.4	100.5	Pulse	0.1000	3
He	Bi	209	133988.73	1.6	99.4	Pulse	0.1000	3

No Gas

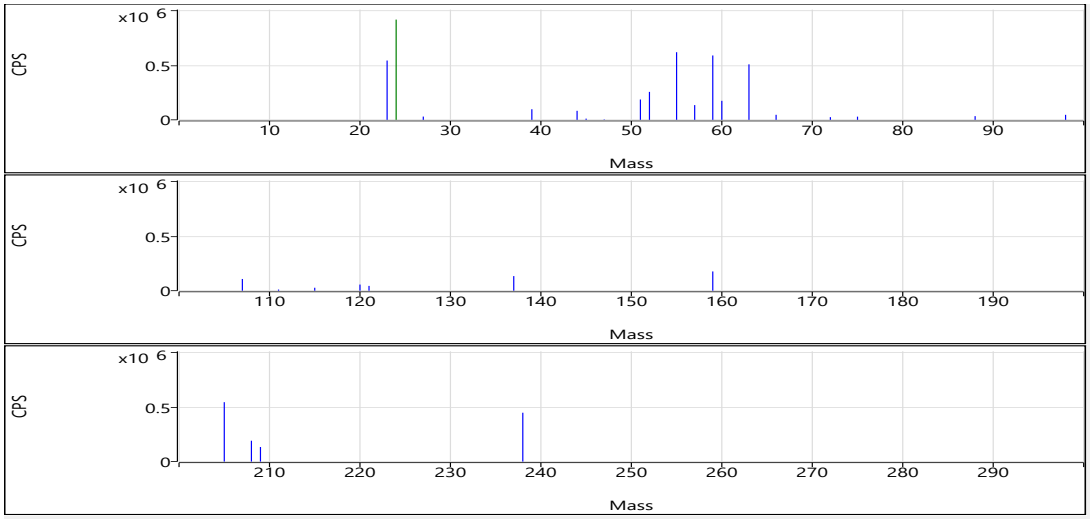


H2



Quantitation Report

He



Quantitation Report

Data File Name	204SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:26:46 PM
Sample Name	410-234898-K-4-C MSD
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

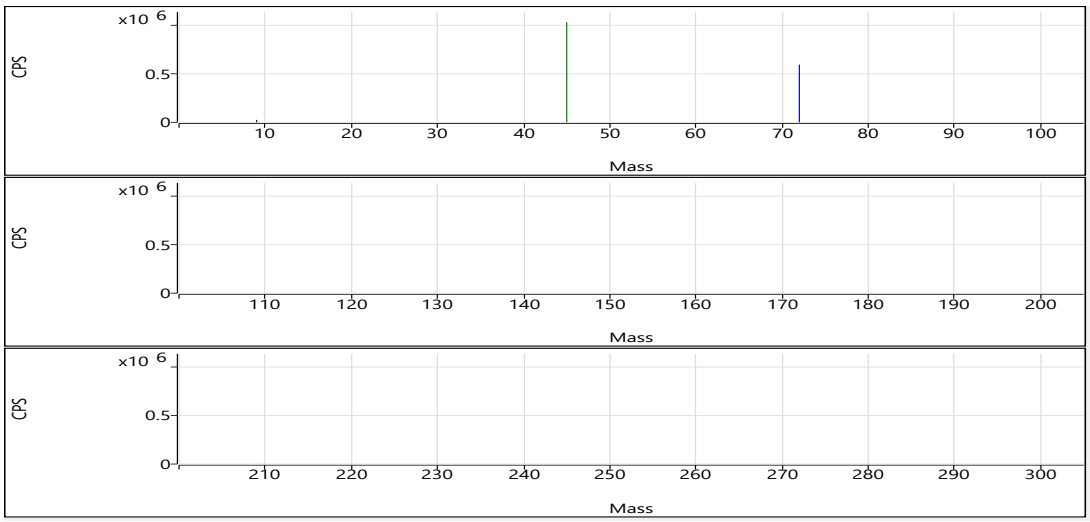
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.720	ug/L	1.9	24859.93	0.0241	Pulse	0.5000	3
Se	78	72	H2	97.657	ppb	2.2	2516.90	0.0590	Pulse	1.5000	3
Na	23	72	He	11636.662	ug/L	2.8	530000.37	21.3418	Pulse	0.1000	3
Mg	24	72	He	39389.347	ug/L	3.3	910767.28	36.6779	Analog	0.1000	3
Al	27	72	He	4713.333	ug/L	2.6	29831.91	1.2012	Pulse	0.1000	3
K	39	72	He	7333.436	ppb	2.5	98105.18	3.9496	Pulse	0.1000	3
Ca	44	72	He	95356.307	ppb	4.1	82520.72	3.3237	Pulse	0.1000	3
Ti	47	159	He	531.372	ppb	5.6	3957.39	0.0223	Pulse	0.1000	3
V	51	72	He	475.121	ppb	3.4	185428.79	7.4677	Pulse	0.5000	3
Cr	52	45	He	485.927	ppb	2.0	258388.76	22.7001	Pulse	0.1000	3
Mn	55	45	He	3057.328	ppb	1.1	608974.42	53.4958	Pulse	0.1000	3
Fe	57	72	He	11937.186	ppb	3.3	131408.77	5.2920	Pulse	0.1000	3
Co	59	72	He	459.472	ppb	3.3	584257.80	23.5289	Pulse	0.1000	3
Ni	60	72	He	473.278	ppb	2.6	171817.88	6.9181	Pulse	0.1000	3
Cu	63	72	He	471.303	ppb	3.6	506773.56	20.4096	Pulse	0.1000	3
Zn	66	72	He	474.355	ppb	2.6	45735.95	1.8416	Pulse	0.1000	3
As	75	45	He	502.831	ppb	1.1	28841.24	2.5336	Pulse	0.5000	3
Sr	88	159	He	136.821	ppb	1.1	33531.64	0.1889	Pulse	0.1000	3
Mo	98	159	He	48.965	ppb	2.1	45543.39	0.2565	Pulse	0.1000	3
Ag	107	159	He	48.723	ppb	2.5	107759.11	0.6070	Pulse	0.1000	3
Cd	111	159	He	47.506	ppb	2.9	10078.46	0.0568	Pulse	0.5000	3
Sn	120	159	He	95.517	ppb	1.6	56221.54	0.3167	Pulse	0.1000	3
Sb	121	159	He	96.822	ppb	1.9	44310.31	0.2496	Pulse	0.1000	3
Ba	137	159	He	844.549	ppb	0.9	134251.14	0.7562	Pulse	0.1000	3
Tl	205	159	He	97.526	ppb	1.4	548239.84	3.0878	Pulse	0.1000	3
Pb	208	159	He	49.290	ppb	0.8	193108.34	1.0877	Pulse	0.1000	3
U	238	209	He	49.850	ppb	1.3	447979.47	3.3131	Pulse	0.1000	3

ISTD Table:

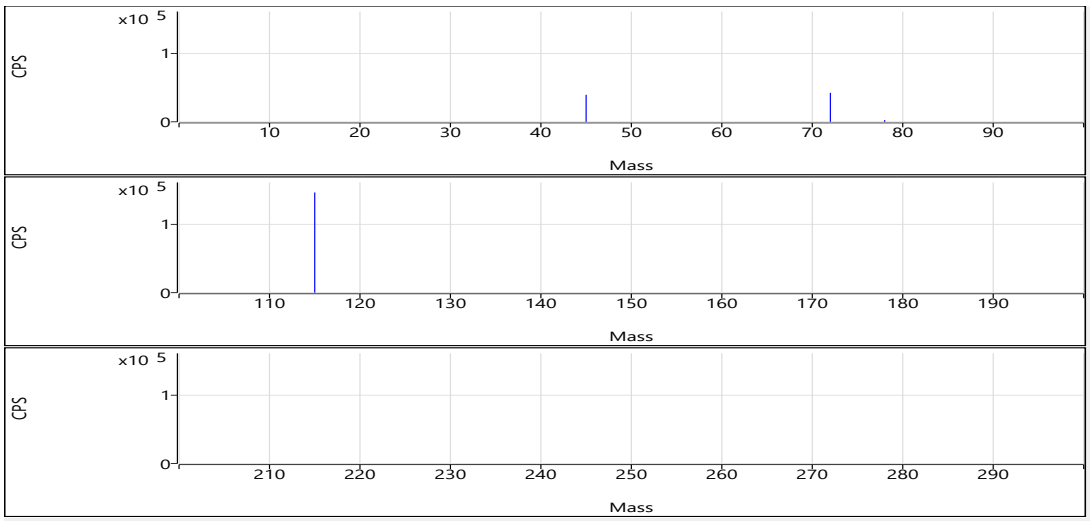
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1033149.07	0.3	98.8	Analog	0.1000	3
No Gas	Ge	72	594427.28	0.3	98.9	Pulse	0.1000	3
H2	Sc	45	39713.23	0.3	94.0	Pulse	0.1000	3
H2	Ge	72	42649.81	0.1	97.2	Pulse	0.1000	3
H2	In	115	147474.16	0.3	97.9	Pulse	0.1000	3
He	Sc	45	11384.97	1.7	99.7	Pulse	0.1000	3
He	Ge	72	24846.28	2.7	98.1	Pulse	0.1000	3
He	In	115	26920.83	1.6	98.6	Pulse	0.1000	3
He	Tb	159	177550.42	1.1	100.7	Pulse	0.1000	3
He	Bi	209	135224.79	1.0	100.3	Pulse	0.1000	3

No Gas

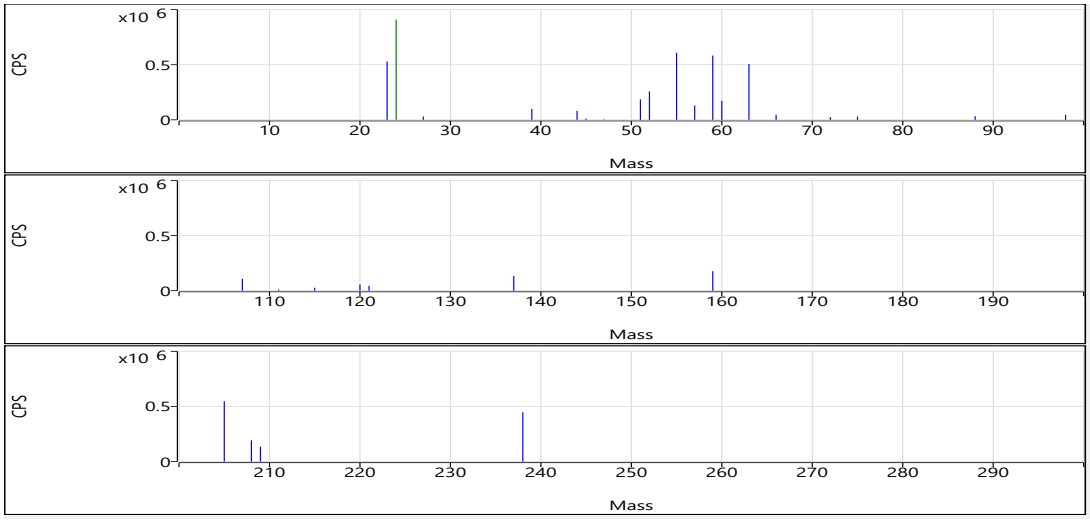


H2



Quantitation Report

He



Quantitation Report

Data File Name	205SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:28:47 PM
Sample Name	410-234898-M-3-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

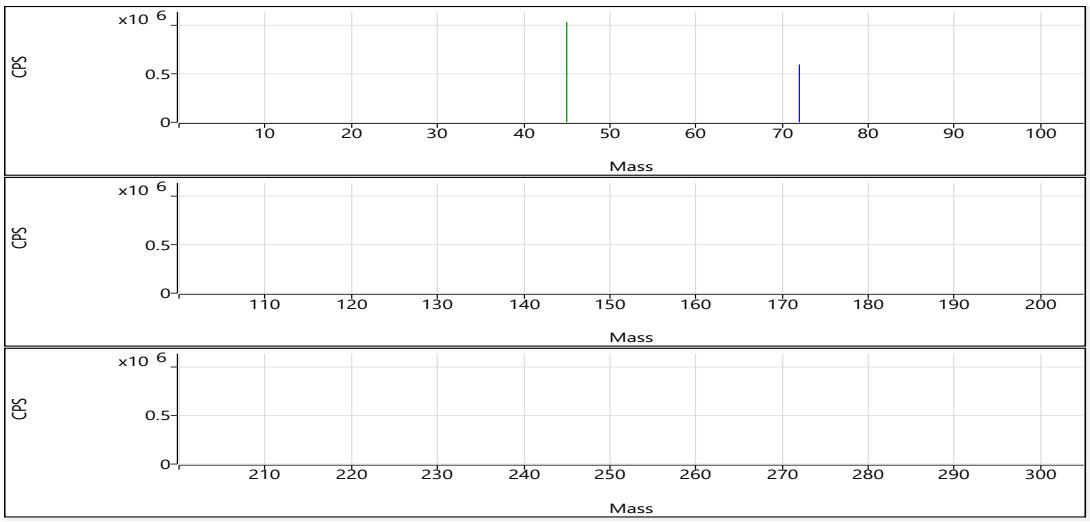
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.010	ug/L	231.2	30.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.014	ppb	N/A	1.78	0.0000	Pulse	1.5000	3
Na	23	72	He	5061.884	ug/L	1.1	230194.08	9.4097	Pulse	0.1000	3
Mg	24	72	He	41989.885	ug/L	0.9	956500.22	39.0990	Analog	0.1000	3
Al	27	72	He	-2.978	ug/L	N/A	26.67	0.0011	Pulse	0.1000	3
K	39	72	He	3235.350	ppb	0.5	43721.60	1.7871	Pulse	0.1000	3
Ca	44	72	He	116299.764	ppb	1.6	99172.95	4.0535	Pulse	0.1000	3
Ti	47	159	He	2.257	ppb	68.3	23.33	0.0001	Pulse	0.1000	3
V	51	72	He	0.101	ppb	15.6	151.33	0.0062	Pulse	0.5000	3
Cr	52	45	He	-0.118	ppb	N/A	433.35	0.0388	Pulse	0.1000	3
Mn	55	45	He	425.562	ppb	4.4	83739.87	7.4502	Pulse	0.1000	3
Fe	57	72	He	2086.344	ppb	2.9	22695.64	0.9278	Pulse	0.1000	3
Co	59	72	He	4.552	ppb	1.7	5808.07	0.2374	Pulse	0.1000	3
Ni	60	72	He	11.470	ppb	6.0	4244.13	0.1736	Pulse	0.1000	3
Cu	63	72	He	0.405	ppb	16.9	556.70	0.0228	Pulse	0.1000	3
Zn	66	72	He	1.562	ppb	20.0	196.68	0.0080	Pulse	0.1000	3
As	75	45	He	2.464	ppb	16.7	149.33	0.0133	Pulse	0.5000	3
Sr	88	159	He	80.194	ppb	2.9	19591.28	0.1115	Pulse	0.1000	3
Mo	98	159	He	0.102	ppb	4.9	153.34	0.0009	Pulse	0.1000	3
Ag	107	159	He	0.047	ppb	52.3	133.34	0.0008	Pulse	0.1000	3
Cd	111	159	He	0.010	ppb	54.7	5.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.323	ppb	N/A	1686.83	0.0096	Pulse	0.1000	3
Sb	121	159	He	0.081	ppb	53.6	50.00	0.0003	Pulse	0.1000	3
Ba	137	159	He	577.029	ppb	2.7	91017.13	0.5182	Pulse	0.1000	3
Tl	205	159	He	0.122	ppb	13.7	920.07	0.0052	Pulse	0.1000	3
Pb	208	159	He	0.076	ppb	18.3	456.69	0.0026	Pulse	0.1000	3
U	238	209	He	1.024	ppb	5.3	9337.14	0.0693	Pulse	0.1000	3

ISTD Table:

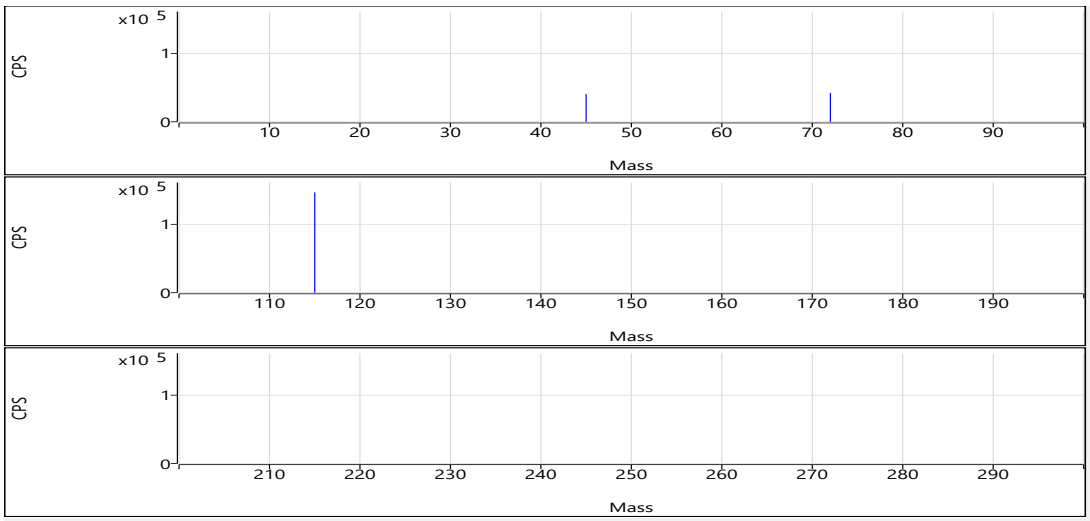
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1030881.83	0.4	98.6	Analog	0.1000	3
No Gas	Ge	72	594687.70	0.6	98.9	Pulse	0.1000	3
H2	Sc	45	40365.23	0.2	95.5	Pulse	0.1000	3
H2	Ge	72	42091.81	1.1	95.9	Pulse	0.1000	3
H2	In	115	145941.77	1.0	96.8	Pulse	0.1000	3
He	Sc	45	11254.86	4.6	98.5	Pulse	0.1000	3
He	Ge	72	24465.58	1.4	96.6	Pulse	0.1000	3
He	In	115	26379.92	1.5	96.6	Pulse	0.1000	3
He	Tb	159	175684.71	1.3	99.6	Pulse	0.1000	3
He	Bi	209	134833.93	2.4	100.0	Pulse	0.1000	3

No Gas

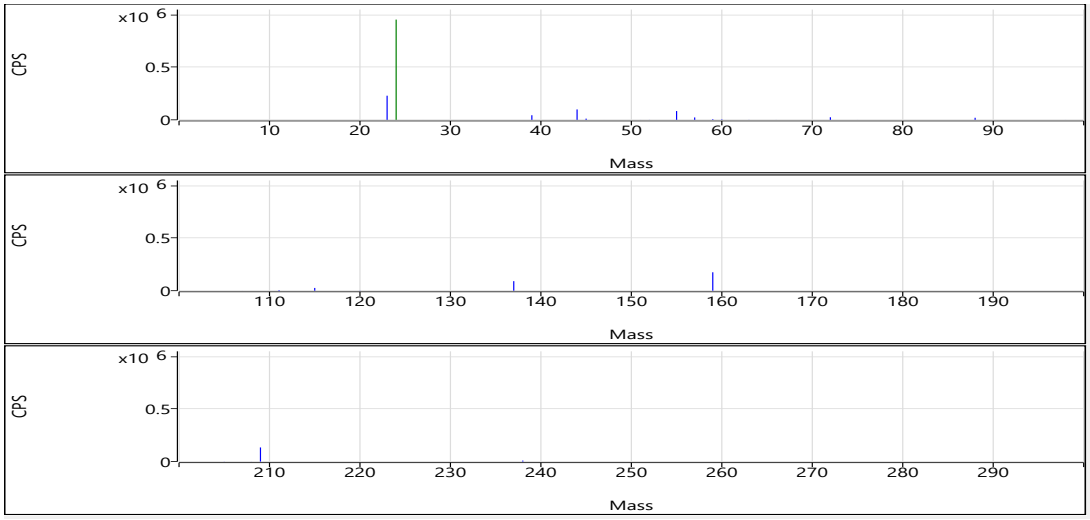


H2



Quantitation Report

He



Quantitation Report

Data File Name	206SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:30:48 PM
Sample Name	410-234898-G-9-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

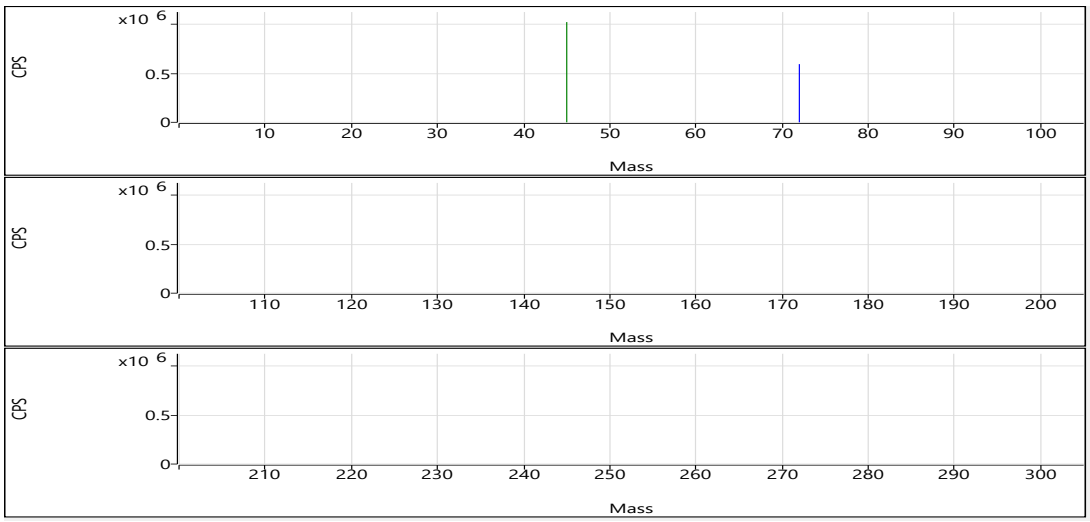
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.016	ug/L	N/A	17.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.515	ppb	6.3	14.89	0.0004	Pulse	1.5000	3
Na	23	72	He	3249.827	ug/L	1.7	147916.52	6.1212	Pulse	0.1000	3
Mg	24	72	He	25722.641	ug/L	1.5	578839.85	23.9542	Pulse	0.1000	3
Al	27	72	He	-2.861	ug/L	N/A	26.67	0.0011	Pulse	0.1000	3
K	39	72	He	1654.383	ppb	4.7	23019.37	0.9529	Pulse	0.1000	3
Ca	44	72	He	61103.684	ppb	3.2	51464.29	2.1301	Pulse	0.1000	3
Ti	47	159	He	-0.452	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.279	ppb	11.7	217.33	0.0090	Pulse	0.5000	3
Cr	52	45	He	0.485	ppb	19.7	733.38	0.0669	Pulse	0.1000	3
Mn	55	45	He	0.626	ppb	21.3	170.01	0.0155	Pulse	0.1000	3
Fe	57	72	He	10.379	ppb	21.7	196.68	0.0081	Pulse	0.1000	3
Co	59	72	He	0.042	ppb	90.9	156.68	0.0065	Pulse	0.1000	3
Ni	60	72	He	0.369	ppb	30.1	276.68	0.0114	Pulse	0.1000	3
Cu	63	72	He	0.290	ppb	6.7	430.02	0.0178	Pulse	0.1000	3
Zn	66	72	He	2.372	ppb	7.2	270.01	0.0112	Pulse	0.1000	3
As	75	45	He	0.159	ppb	90.3	18.67	0.0017	Pulse	0.5000	3
Sr	88	159	He	58.574	ppb	5.0	14314.48	0.0820	Pulse	0.1000	3
Mo	98	159	He	1.326	ppb	7.9	1270.11	0.0073	Pulse	0.1000	3
Ag	107	159	He	0.003	ppb	447.5	36.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.003	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.511	ppb	N/A	1570.16	0.0090	Pulse	0.1000	3
Sb	121	159	He	0.015	ppb	146.2	20.00	0.0001	Pulse	0.1000	3
Ba	137	159	He	156.673	ppb	2.2	25177.96	0.1442	Pulse	0.1000	3
Tl	205	159	He	0.030	ppb	28.4	406.69	0.0023	Pulse	0.1000	3
Pb	208	159	He	0.078	ppb	7.7	460.03	0.0026	Pulse	0.1000	3
U	238	209	He	0.423	ppb	3.6	3927.43	0.0294	Pulse	0.1000	3

ISTD Table:

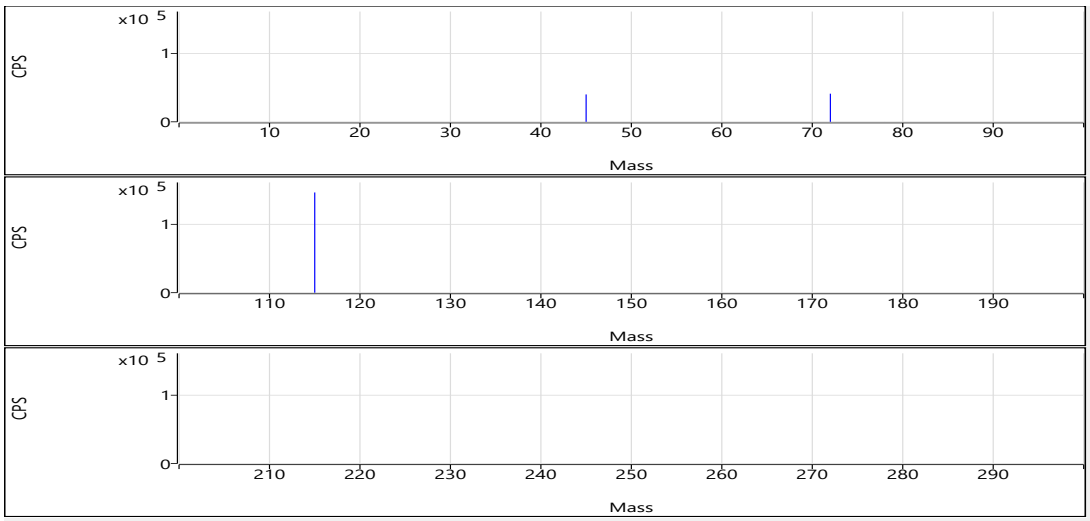
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1025822.46	0.5	98.1	Analog	0.1000	3
No Gas	Ge	72	595223.77	0.4	99.0	Pulse	0.1000	3
H2	Sc	45	40077.68	1.7	94.8	Pulse	0.1000	3
H2	Ge	72	41165.28	1.4	93.8	Pulse	0.1000	3
H2	In	115	146700.46	2.1	97.3	Pulse	0.1000	3
He	Sc	45	10961.24	4.6	96.0	Pulse	0.1000	3
He	Ge	72	24168.44	1.6	95.4	Pulse	0.1000	3
He	In	115	25972.47	0.7	95.2	Pulse	0.1000	3
He	Tb	159	174608.20	1.3	99.0	Pulse	0.1000	3
He	Bi	209	133743.38	1.2	99.2	Pulse	0.1000	3

No Gas

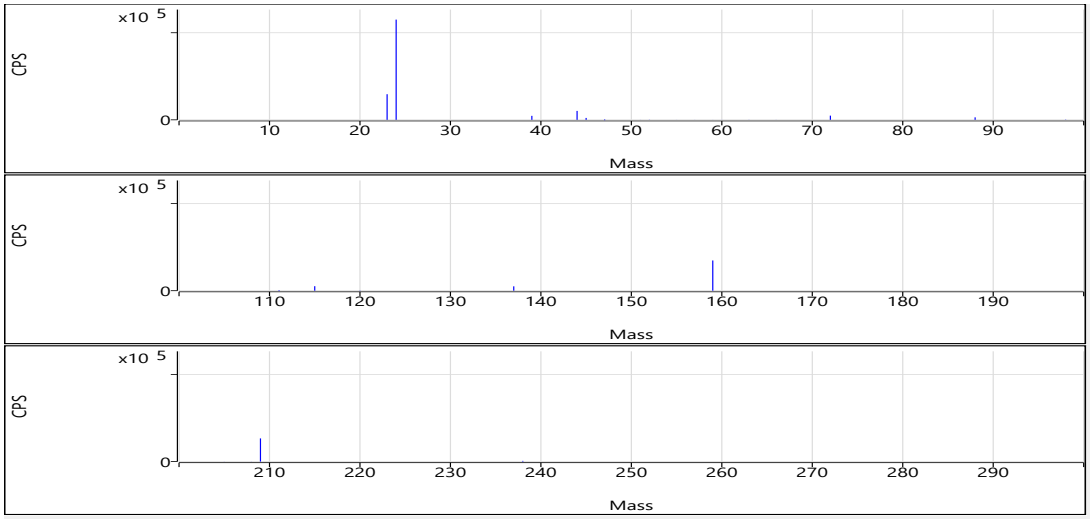


H2



Quantitation Report

He



Quantitation Report

Data File Name	207SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:32:50 PM
Sample Name	410-234898-M-1-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

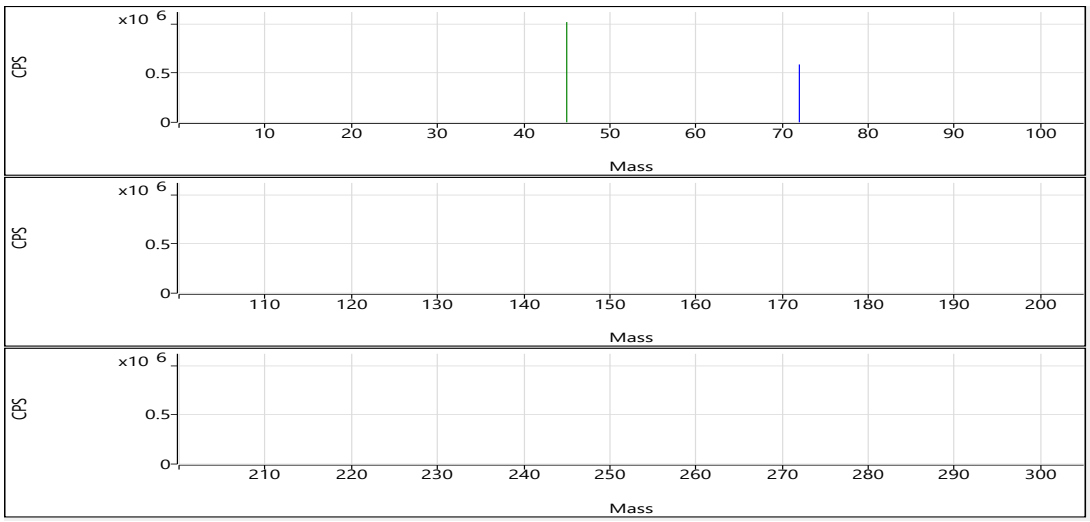
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.012	ug/L	N/A	19.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.023	ppb	110.1	2.67	0.0001	Pulse	1.5000	3
Na	23	72	He	5246.209	ug/L	1.0	237916.58	9.7443	Pulse	0.1000	3
Mg	24	72	He	28832.711	ug/L	1.2	655493.72	26.8496	Pulse	0.1000	3
Al	27	72	He	4.553	ug/L	108.4	73.33	0.0030	Pulse	0.1000	3
K	39	72	He	3464.532	ppb	1.5	46583.99	1.9081	Pulse	0.1000	3
Ca	44	72	He	89399.268	ppb	2.6	76084.76	3.1161	Pulse	0.1000	3
Ti	47	159	He	-0.455	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.192	ppb	45.8	186.00	0.0076	Pulse	0.5000	3
Cr	52	45	He	-0.055	ppb	N/A	456.69	0.0417	Pulse	0.1000	3
Mn	55	45	He	84.849	ppb	2.8	16330.05	1.4891	Pulse	0.1000	3
Fe	57	72	He	28.105	ppb	27.7	390.02	0.0160	Pulse	0.1000	3
Co	59	72	He	0.363	ppb	4.9	560.03	0.0229	Pulse	0.1000	3
Ni	60	72	He	3.644	ppb	11.0	1446.80	0.0593	Pulse	0.1000	3
Cu	63	72	He	0.226	ppb	32.1	366.68	0.0150	Pulse	0.1000	3
Zn	66	72	He	1.429	ppb	24.5	183.34	0.0075	Pulse	0.1000	3
As	75	45	He	0.047	ppb	164.6	12.67	0.0012	Pulse	0.5000	3
Sr	88	159	He	47.905	ppb	4.2	11882.17	0.0674	Pulse	0.1000	3
Mo	98	159	He	-0.004	ppb	N/A	56.67	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.003	ppb	177.0	36.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.044	ppb	31.5	12.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.368	ppb	N/A	1666.84	0.0095	Pulse	0.1000	3
Sb	121	159	He	0.052	ppb	66.4	36.67	0.0002	Pulse	0.1000	3
Ba	137	159	He	182.441	ppb	1.2	29443.42	0.1671	Pulse	0.1000	3
Tl	205	159	He	0.003	ppb	362.5	260.01	0.0015	Pulse	0.1000	3
Pb	208	159	He	0.076	ppb	22.9	460.03	0.0026	Pulse	0.1000	3
U	238	209	He	0.227	ppb	6.8	2200.29	0.0163	Pulse	0.1000	3

ISTD Table:

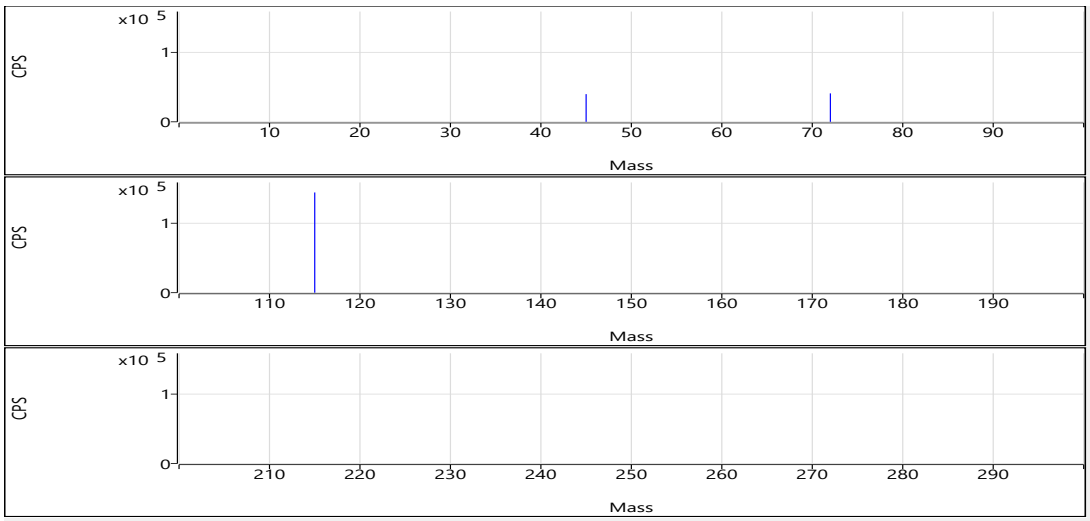
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1016978.79	1.0	97.3	Analog	0.1000	3
No Gas	Ge	72	586902.52	1.2	97.6	Pulse	0.1000	3
H2	Sc	45	40064.35	0.5	94.8	Pulse	0.1000	3
H2	Ge	72	41148.57	1.1	93.8	Pulse	0.1000	3
H2	In	115	145082.78	0.9	96.3	Pulse	0.1000	3
He	Sc	45	10968.00	1.0	96.0	Pulse	0.1000	3
He	Ge	72	24415.58	1.3	96.4	Pulse	0.1000	3
He	In	115	26476.77	2.3	97.0	Pulse	0.1000	3
He	Tb	159	176161.04	0.9	99.9	Pulse	0.1000	3
He	Bi	209	134747.57	1.3	99.9	Pulse	0.1000	3

No Gas

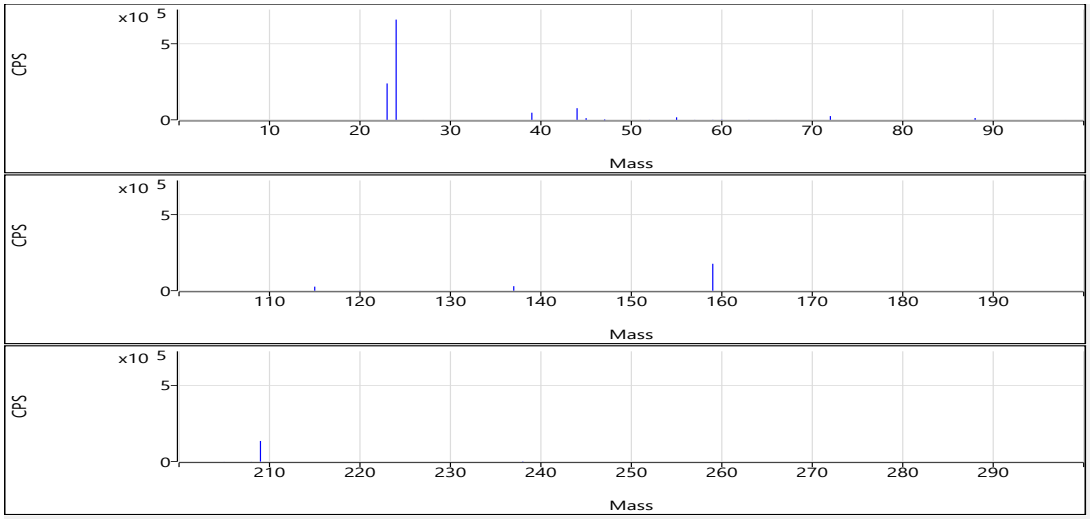


H2



Quantitation Report

He



Quantitation Report

Data File Name	208SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:34:51 PM
Sample Name	410-234898-K-2-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

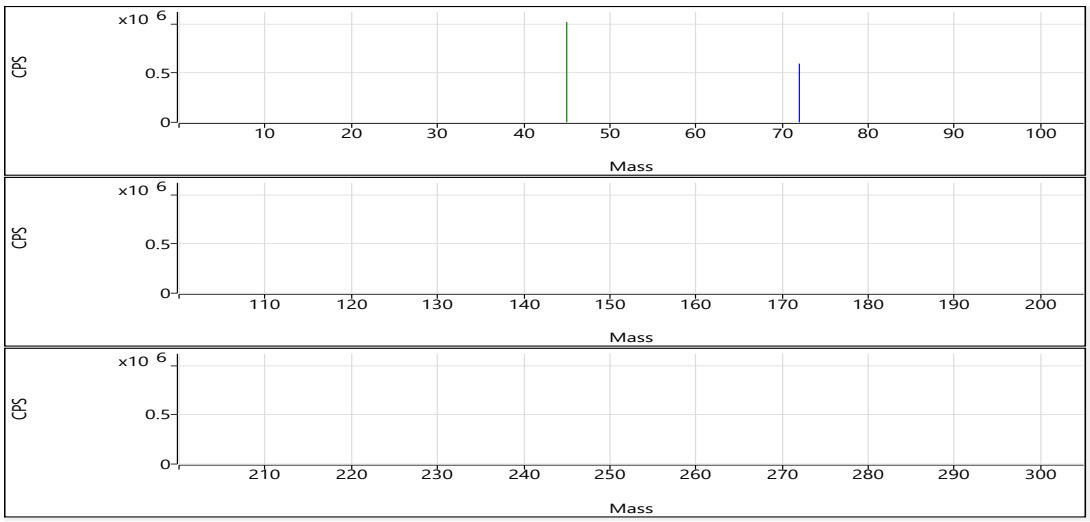
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.271	ug/L	6.7	164.67	0.0002	Pulse	0.5000	3
Se	78	72	H2	-0.049	ppb	N/A	0.89	0.0000	Pulse	1.5000	3
Na	23	72	He	5263.445	ug/L	0.8	242508.66	9.7755	Pulse	0.1000	3
Mg	24	72	He	4682.101	ug/L	1.8	108294.46	4.3654	Pulse	0.1000	3
Al	27	72	He	29.798	ug/L	31.0	233.34	0.0094	Pulse	0.1000	3
K	39	72	He	3559.542	ppb	1.5	48577.28	1.9582	Pulse	0.1000	3
Ca	44	72	He	7574.598	ppb	4.7	6568.42	0.2649	Pulse	0.1000	3
Ti	47	159	He	-0.903	ppb	0.0	0.00	0.0000	Pulse	0.1000	3
V	51	72	He	0.039	ppb	37.4	129.33	0.0052	Pulse	0.5000	3
Cr	52	45	He	0.135	ppb	127.5	550.03	0.0506	Pulse	0.1000	3
Mn	55	45	He	175.341	ppb	1.6	33520.83	3.0723	Pulse	0.1000	3
Fe	57	72	He	51.233	ppb	24.7	650.04	0.0262	Pulse	0.1000	3
Co	59	72	He	0.367	ppb	10.3	573.37	0.0231	Pulse	0.1000	3
Ni	60	72	He	2.850	ppb	15.2	1183.43	0.0477	Pulse	0.1000	3
Cu	63	72	He	15.875	ppb	2.7	17177.74	0.6925	Pulse	0.1000	3
Zn	66	72	He	32.067	ppb	4.4	3133.81	0.1263	Pulse	0.1000	3
As	75	45	He	0.009	ppb	1176.1	10.67	0.0010	Pulse	0.5000	3
Sr	88	159	He	35.005	ppb	3.1	8763.07	0.0498	Pulse	0.1000	3
Mo	98	159	He	0.007	ppb	696.1	66.67	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.230	ppb	18.5	533.36	0.0030	Pulse	0.1000	3
Cd	111	159	He	0.378	ppb	5.4	82.67	0.0005	Pulse	0.5000	3
Sn	120	159	He	-0.487	ppb	N/A	1596.83	0.0091	Pulse	0.1000	3
Sb	121	159	He	0.044	ppb	58.5	33.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	121.021	ppb	1.8	19785.32	0.1125	Pulse	0.1000	3
Tl	205	159	He	0.031	ppb	38.0	416.69	0.0024	Pulse	0.1000	3
Pb	208	159	He	0.567	ppb	8.7	2360.31	0.0134	Pulse	0.1000	3
U	238	209	He	0.000	ppb	N/A	170.01	0.0012	Pulse	0.1000	3

ISTD Table:

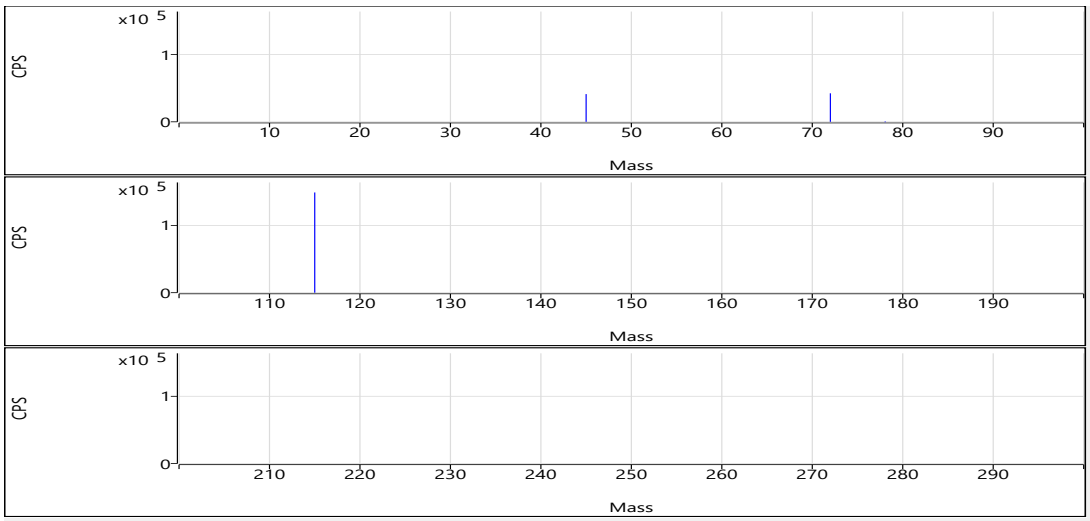
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1019138.19	0.6	97.5	Analog	0.1000	3
No Gas	Ge	72	596605.51	0.4	99.2	Pulse	0.1000	3
H2	Sc	45	40993.81	2.2	97.0	Pulse	0.1000	3
H2	Ge	72	42161.47	2.7	96.1	Pulse	0.1000	3
H2	In	115	148253.68	1.4	98.4	Pulse	0.1000	3
He	Sc	45	10914.61	3.8	95.6	Pulse	0.1000	3
He	Ge	72	24809.54	1.4	97.9	Pulse	0.1000	3
He	In	115	26490.22	2.8	97.1	Pulse	0.1000	3
He	Tb	159	175872.92	0.9	99.7	Pulse	0.1000	3
He	Bi	209	136596.38	2.6	101.3	Pulse	0.1000	3

No Gas

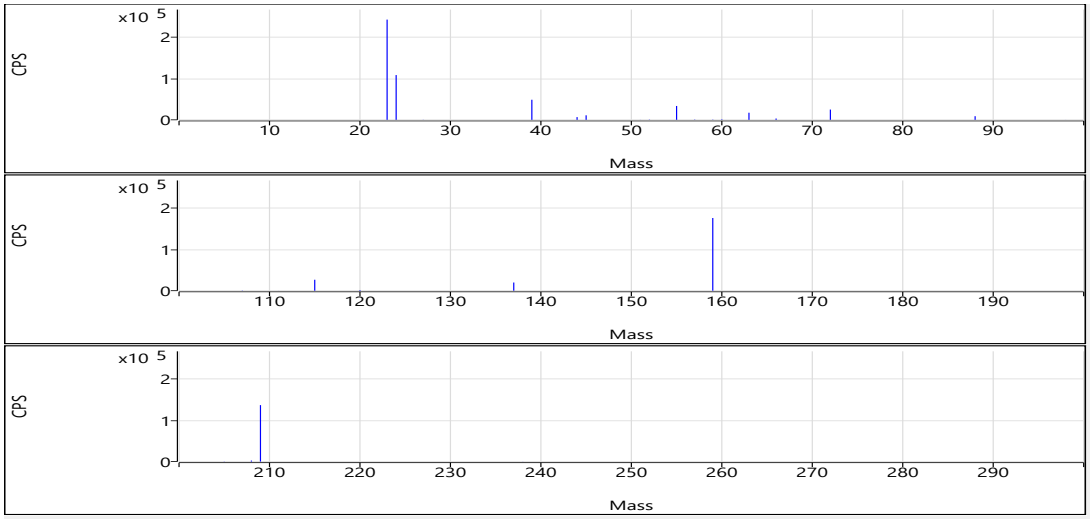


H2



Quantitation Report

He



Quantitation Report

Data File Name	209SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:36:53 PM
Sample Name	410-234898-G-10-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

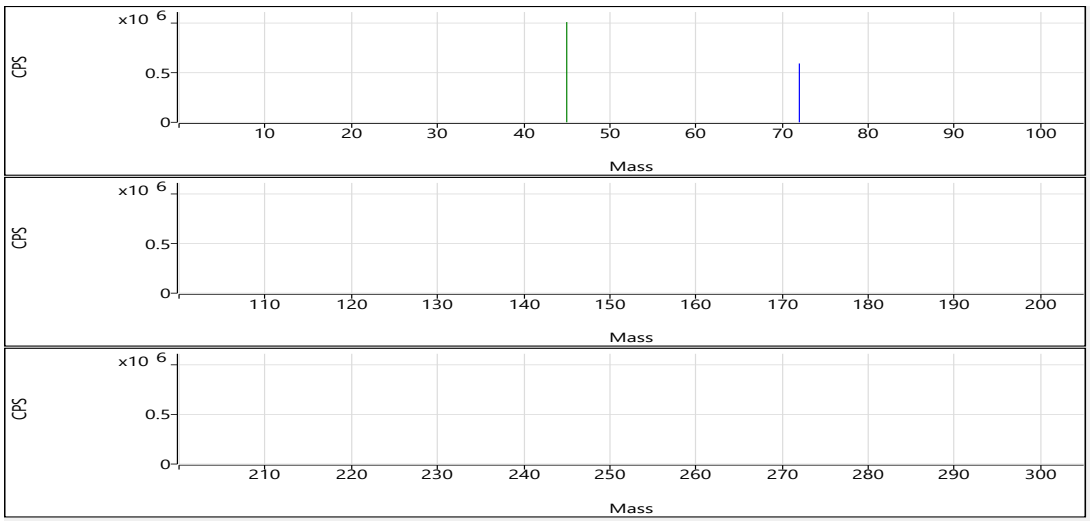
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.013	ug/L	N/A	18.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.005	ppb	825.4	2.22	0.0001	Pulse	1.5000	3
Na	23	72	He	536.690	ug/L	2.5	29046.88	1.1973	Pulse	0.1000	3
Mg	24	72	He	22169.471	ug/L	2.5	500806.85	20.6461	Pulse	0.1000	3
Al	27	72	He	-1.306	ug/L	N/A	36.67	0.0015	Pulse	0.1000	3
K	39	72	He	1175.649	ppb	3.6	16984.11	0.7003	Pulse	0.1000	3
Ca	44	72	He	23345.420	ppb	1.5	19761.01	0.8144	Pulse	0.1000	3
Ti	47	159	He	0.465	ppb	292.4	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.093	ppb	37.9	147.33	0.0061	Pulse	0.5000	3
Cr	52	45	He	-0.213	ppb	N/A	373.35	0.0343	Pulse	0.1000	3
Mn	55	45	He	1.229	ppb	11.9	283.35	0.0261	Pulse	0.1000	3
Fe	57	72	He	15.912	ppb	25.1	256.68	0.0106	Pulse	0.1000	3
Co	59	72	He	0.036	ppb	7.4	150.01	0.0062	Pulse	0.1000	3
Ni	60	72	He	0.076	ppb	177.3	173.34	0.0072	Pulse	0.1000	3
Cu	63	72	He	0.185	ppb	46.0	323.35	0.0133	Pulse	0.1000	3
Zn	66	72	He	0.236	ppb	49.2	70.00	0.0029	Pulse	0.1000	3
As	75	45	He	0.144	ppb	58.2	18.00	0.0016	Pulse	0.5000	3
Sr	88	159	He	40.751	ppb	5.5	10044.06	0.0577	Pulse	0.1000	3
Mo	98	159	He	2.135	ppb	10.8	2006.89	0.0115	Pulse	0.1000	3
Ag	107	159	He	0.002	ppb	419.3	33.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.026	ppb	119.3	8.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.601	ppb	N/A	1516.81	0.0087	Pulse	0.1000	3
Sb	121	159	He	0.045	ppb	102.8	33.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	107.781	ppb	2.0	17545.46	0.1007	Pulse	0.1000	3
Tl	205	159	He	-0.021	ppb	N/A	126.68	0.0007	Pulse	0.1000	3
Pb	208	159	He	0.047	ppb	34.9	343.35	0.0020	Pulse	0.1000	3
U	238	209	He	0.318	ppb	8.7	3013.80	0.0224	Pulse	0.1000	3

ISTD Table:

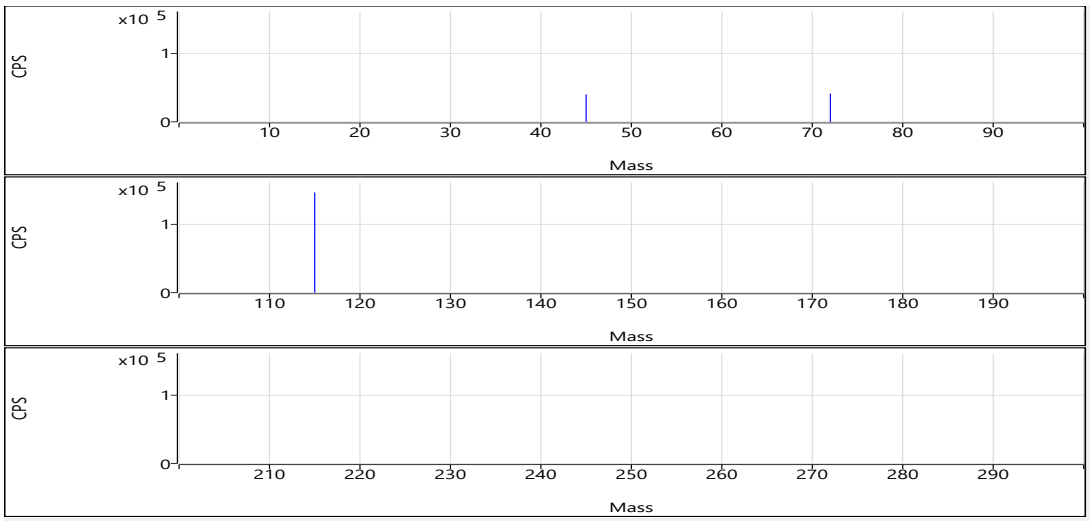
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1010826.83	0.5	96.7	Analog	0.1000	3
No Gas	Ge	72	593261.51	0.3	98.7	Pulse	0.1000	3
H2	Sc	45	40328.95	2.4	95.4	Pulse	0.1000	3
H2	Ge	72	41445.89	0.9	94.5	Pulse	0.1000	3
H2	In	115	147232.35	0.9	97.7	Pulse	0.1000	3
He	Sc	45	10887.91	4.6	95.3	Pulse	0.1000	3
He	Ge	72	24265.10	2.2	95.8	Pulse	0.1000	3
He	In	115	26994.52	0.7	98.9	Pulse	0.1000	3
He	Tb	159	174206.34	0.8	98.8	Pulse	0.1000	3
He	Bi	209	134581.97	0.8	99.8	Pulse	0.1000	3

No Gas

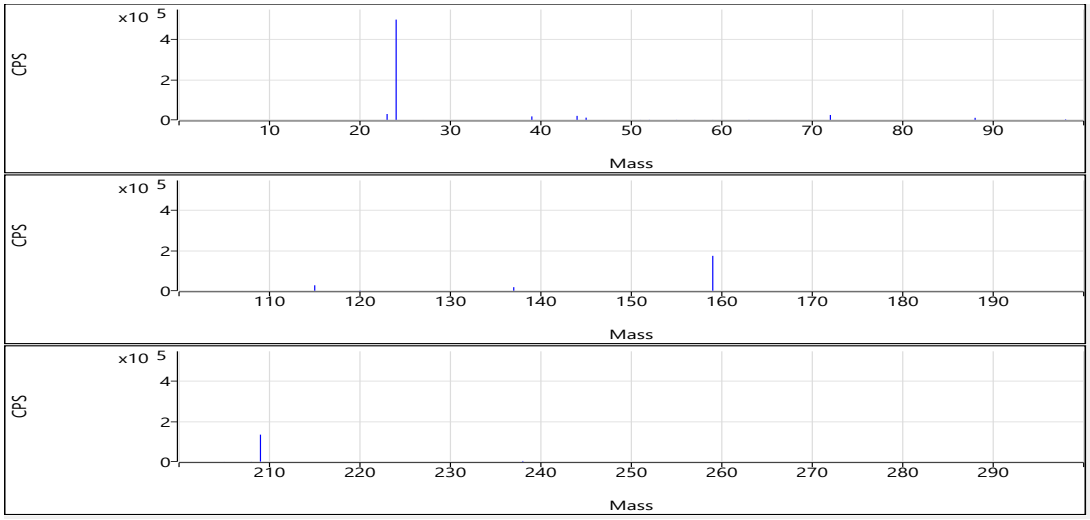


H2



Quantitation Report

He



Quantitation Report

Data File Name	210SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:38:52 PM
Sample Name	410-234898-G-8-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

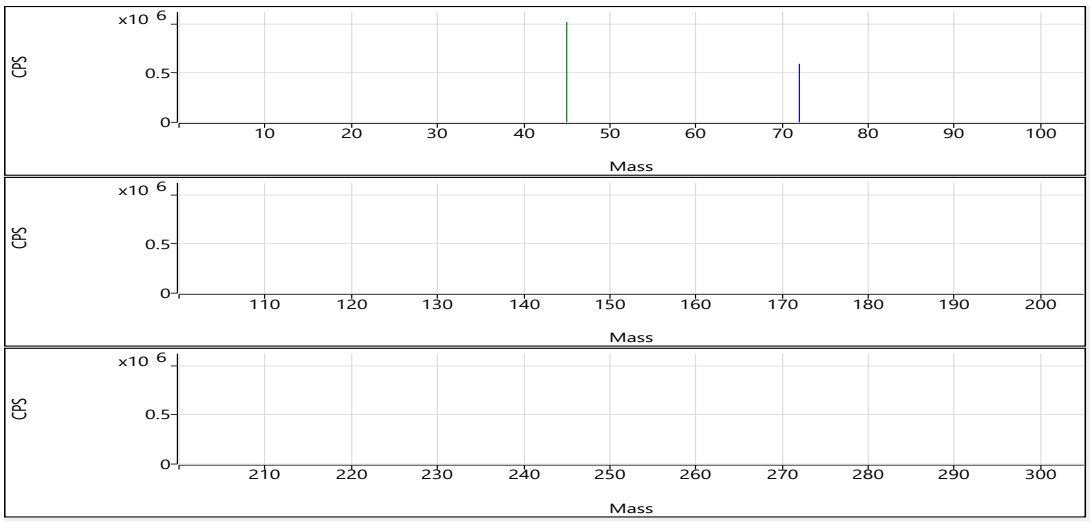
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.009	ug/L	N/A	20.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.041	ppb	N/A	1.11	0.0000	Pulse	1.5000	3
Na	23	72	He	536.794	ug/L	2.3	29480.99	1.1975	Pulse	0.1000	3
Mg	24	72	He	17055.049	ug/L	4.1	390853.73	15.8846	Pulse	0.1000	3
Al	27	72	He	-1.277	ug/L	N/A	36.67	0.0015	Pulse	0.1000	3
K	39	72	He	1011.937	ppb	6.2	15105.23	0.6139	Pulse	0.1000	3
Ca	44	72	He	18140.819	ppb	6.7	15569.12	0.6331	Pulse	0.1000	3
Ti	47	159	He	-0.449	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.177	ppb	17.8	182.00	0.0074	Pulse	0.5000	3
Cr	52	45	He	1.133	ppb	25.8	1053.42	0.0971	Pulse	0.1000	3
Mn	55	45	He	0.864	ppb	36.7	213.34	0.0197	Pulse	0.1000	3
Fe	57	72	He	6.048	ppb	9.8	153.34	0.0062	Pulse	0.1000	3
Co	59	72	He	0.021	ppb	27.7	133.34	0.0054	Pulse	0.1000	3
Ni	60	72	He	0.146	ppb	151.7	200.01	0.0082	Pulse	0.1000	3
Cu	63	72	He	0.238	ppb	20.4	383.36	0.0156	Pulse	0.1000	3
Zn	66	72	He	3.332	ppb	2.3	366.69	0.0149	Pulse	0.1000	3
As	75	45	He	0.123	ppb	100.4	16.67	0.0015	Pulse	0.5000	3
Sr	88	159	He	24.244	ppb	4.5	6184.93	0.0351	Pulse	0.1000	3
Mo	98	159	He	0.174	ppb	27.1	220.01	0.0012	Pulse	0.1000	3
Ag	107	159	He	0.005	ppb	265.1	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.032	ppb	60.0	10.00	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.498	ppb	N/A	1593.48	0.0090	Pulse	0.1000	3
Sb	121	159	He	0.007	ppb	455.4	16.67	0.0001	Pulse	0.1000	3
Ba	137	159	He	707.207	ppb	1.9	111625.56	0.6340	Pulse	0.1000	3
Tl	205	159	He	-0.018	ppb	N/A	140.00	0.0008	Pulse	0.1000	3
Pb	208	159	He	0.077	ppb	31.9	463.36	0.0026	Pulse	0.1000	3
U	238	209	He	0.122	ppb	5.1	1273.45	0.0094	Pulse	0.1000	3

ISTD Table:

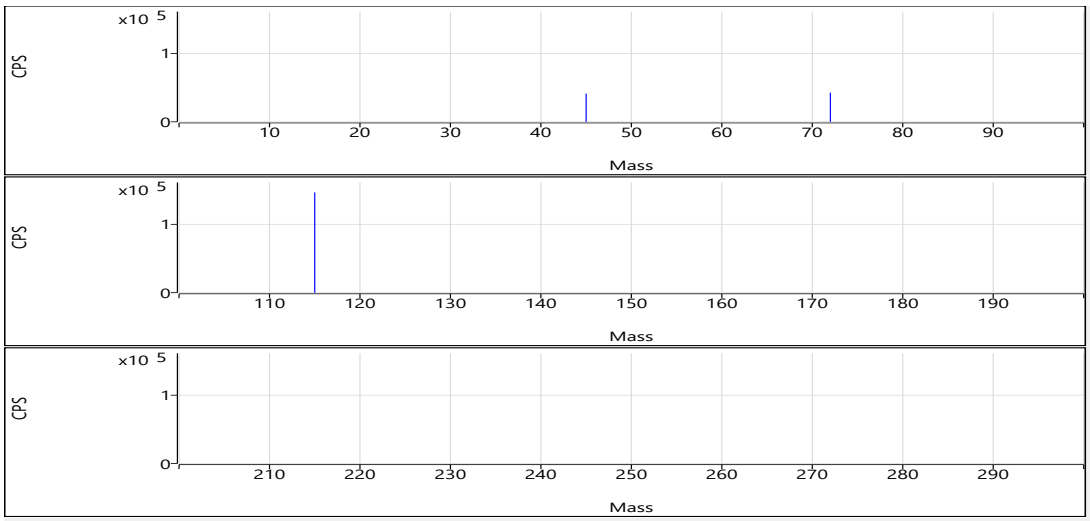
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1018351.29	0.8	97.4	Analog	0.1000	3
No Gas	Ge	72	594573.87	1.4	98.9	Pulse	0.1000	3
H2	Sc	45	41287.88	2.2	97.7	Pulse	0.1000	3
H2	Ge	72	42726.70	0.9	97.4	Pulse	0.1000	3
H2	In	115	146777.80	2.0	97.4	Pulse	0.1000	3
He	Sc	45	10881.23	5.3	95.3	Pulse	0.1000	3
He	Ge	72	24629.19	3.5	97.2	Pulse	0.1000	3
He	In	115	26125.98	1.5	95.7	Pulse	0.1000	3
He	Tb	159	176077.85	0.6	99.8	Pulse	0.1000	3
He	Bi	209	135750.66	1.0	100.7	Pulse	0.1000	3

No Gas

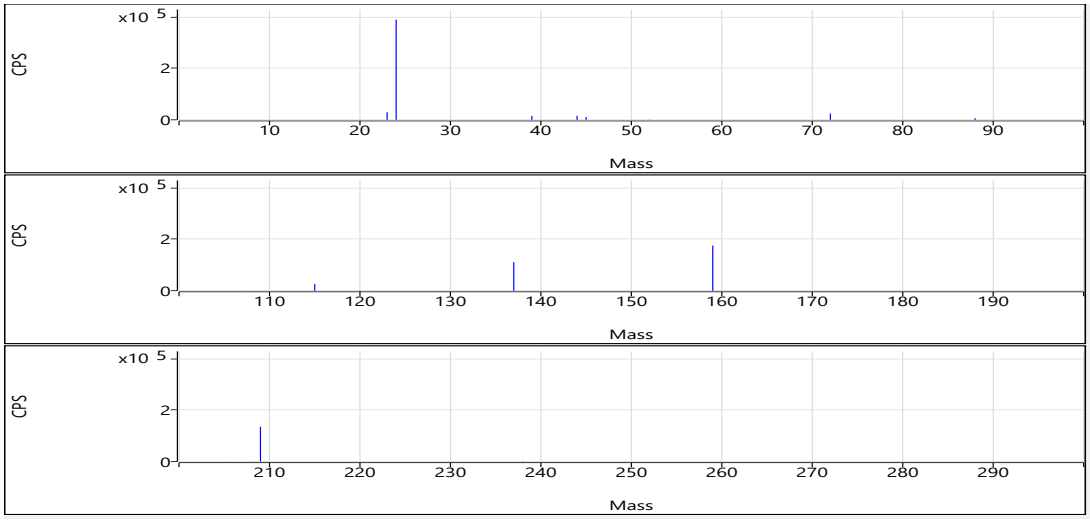


H2



Quantitation Report

He



Quantitation Report

Data File Name	212_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:42:54 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

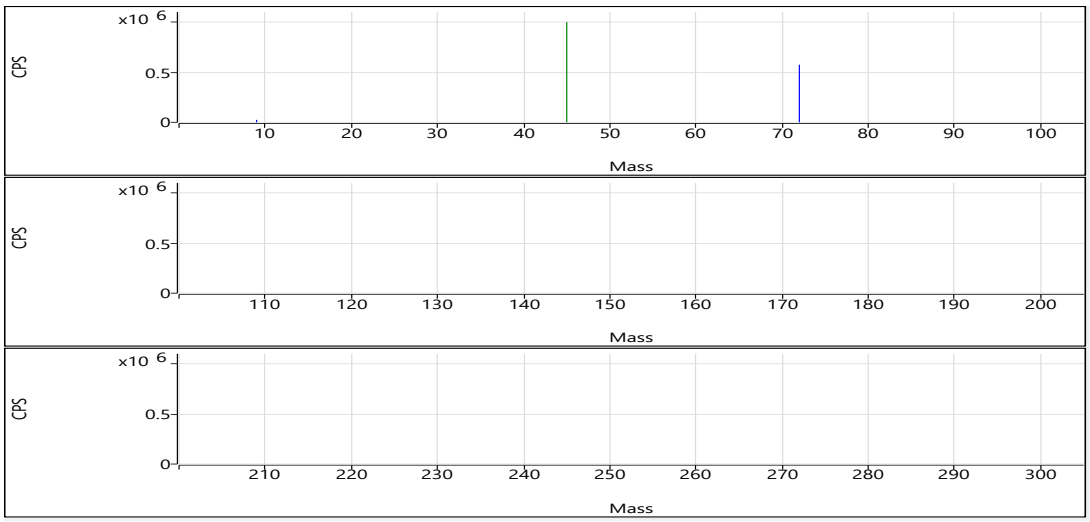
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.891	ug/L	1.1	24214.86	0.0241	Pulse	0.5000	3
Se	78	72	H2	51.497	ppb	3.4	1245.39	0.0311	Pulse	1.5000	3
Na	23	72	He	4816.506	ug/L	3.3	217204.95	8.9644	Pulse	0.1000	3
Mg	24	72	He	4822.683	ug/L	3.3	108935.55	4.4962	Pulse	0.1000	3
Al	27	72	He	4888.499	ug/L	5.6	30165.90	1.2458	Pulse	0.1000	3
K	39	72	He	4810.253	ppb	3.4	63435.51	2.6182	Pulse	0.1000	3
Ca	44	72	He	4797.702	ppb	2.5	4074.07	0.1681	Pulse	0.1000	3
Ti	47	159	He	4937.318	ppb	3.9	35886.31	0.2067	Pulse	0.1000	3
V	51	72	He	488.837	ppb	3.2	186150.71	7.6831	Pulse	0.5000	3
Cr	52	45	He	528.211	ppb	2.1	258450.83	24.6715	Pulse	0.1000	3
Mn	55	45	He	520.933	ppb	3.9	95514.14	9.1188	Pulse	0.1000	3
Fe	57	72	He	4855.408	ppb	2.7	52211.23	2.1546	Pulse	0.1000	3
Co	59	72	He	470.072	ppb	3.6	583153.29	24.0717	Pulse	0.1000	3
Ni	60	72	He	492.225	ppb	3.9	174290.75	7.1949	Pulse	0.1000	3
Cu	63	72	He	492.884	ppb	4.0	517034.16	21.3439	Pulse	0.1000	3
Zn	66	72	He	487.379	ppb	4.9	45822.89	1.8921	Pulse	0.1000	3
As	75	45	He	532.815	ppb	2.9	28121.10	2.6846	Pulse	0.5000	3
Sr	88	159	He	47.790	ppb	2.4	11682.09	0.0673	Pulse	0.1000	3
Mo	98	159	He	49.654	ppb	1.5	45169.03	0.2601	Pulse	0.1000	3
Ag	107	159	He	48.980	ppb	0.9	105958.38	0.6102	Pulse	0.1000	3
Cd	111	159	He	49.228	ppb	2.0	10214.56	0.0588	Pulse	0.5000	3
Sn	120	159	He	48.657	ppb	1.2	28915.30	0.1665	Pulse	0.1000	3
Sb	121	159	He	48.522	ppb	1.6	21724.82	0.1251	Pulse	0.1000	3
Ba	137	159	He	498.081	ppb	2.3	77773.59	0.4480	Pulse	0.1000	3
Tl	205	159	He	49.820	ppb	2.0	274035.11	1.5781	Pulse	0.1000	3
Pb	208	159	He	49.508	ppb	1.6	189712.56	1.0925	Pulse	0.1000	3
U	238	209	He	49.667	ppb	1.1	439013.43	3.3009	Pulse	0.1000	3

ISTD Table:

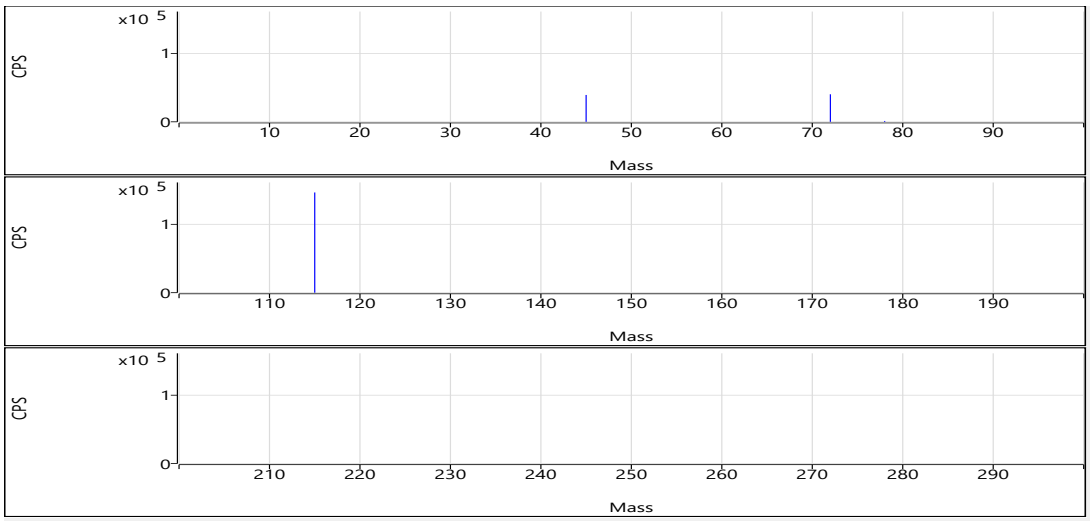
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1002700.22	0.7	95.9	Analog	0.1000	3
No Gas	Ge	72	576434.47	0.6	95.9	Pulse	0.1000	3
H2	Sc	45	39004.81	2.5	92.3	Pulse	0.1000	3
H2	Ge	72	39995.18	2.2	91.2	Pulse	0.1000	3
H2	In	115	145577.77	0.3	96.6	Pulse	0.1000	3
He	Sc	45	10477.61	1.4	91.7	Pulse	0.1000	3
He	Ge	72	24248.72	3.9	95.7	Pulse	0.1000	3
He	In	115	26500.07	1.8	97.1	Pulse	0.1000	3
He	Tb	159	173643.21	0.9	98.4	Pulse	0.1000	3
He	Bi	209	133029.63	3.2	98.6	Pulse	0.1000	3

No Gas

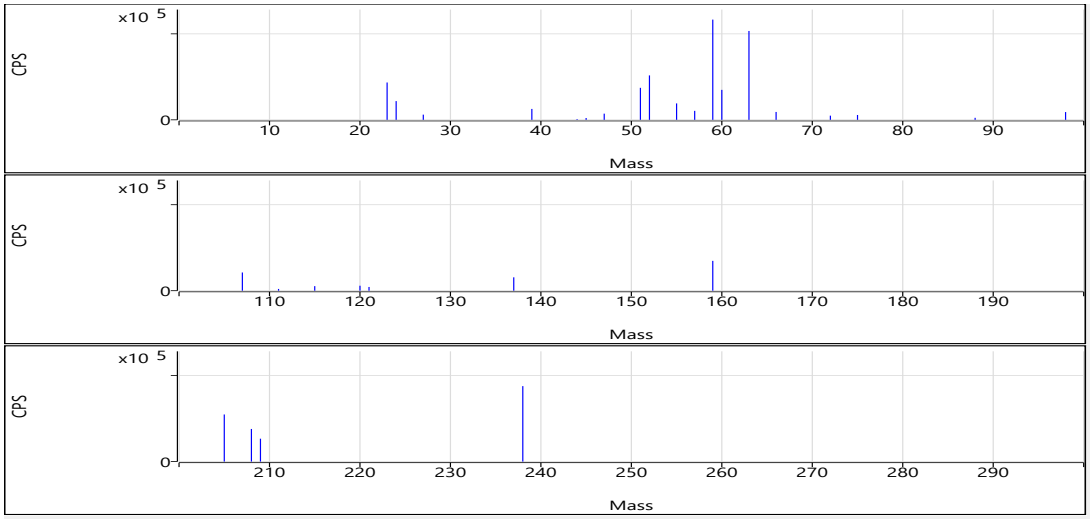


H2



Quantitation Report

He



Quantitation Report

Data File Name	214_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:46:55 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

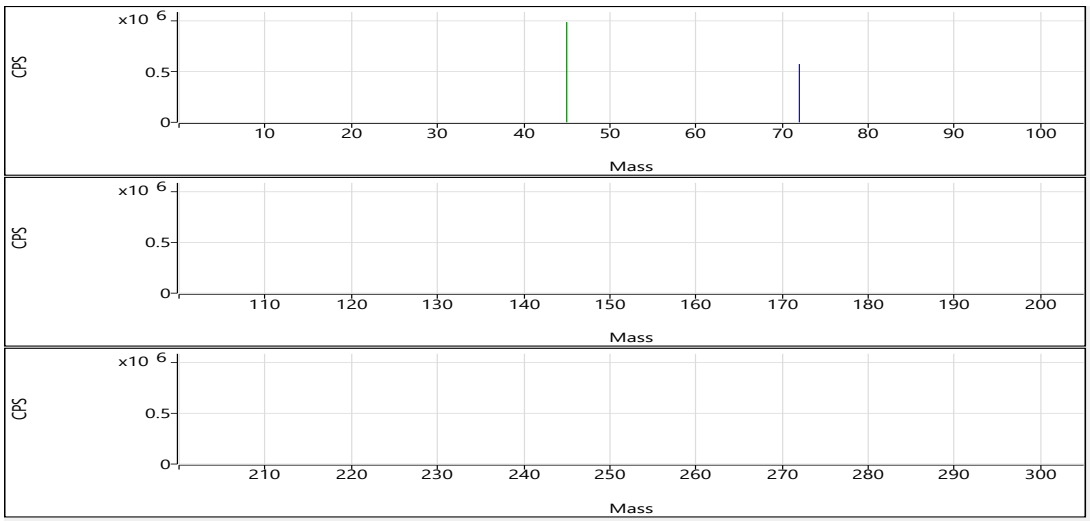
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.020	ug/L	N/A	14.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.084	ppb	N/A	0.00	0.0000	Pulse	1.5000	3
Na	23	72	He	-9.590	ug/L	N/A	4977.69	0.2059	Pulse	0.1000	3
Mg	24	72	He	5.813	ug/L	57.4	283.35	0.0117	Pulse	0.1000	3
Al	27	72	He	-2.912	ug/L	N/A	26.67	0.0011	Pulse	0.1000	3
K	39	72	He	8.561	ppb	78.4	2040.23	0.0844	Pulse	0.1000	3
Ca	44	72	He	21.294	ppb	150.5	40.00	0.0017	Pulse	0.1000	3
Ti	47	159	He	0.496	ppb	283.1	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.137	ppb	16.1	163.33	0.0068	Pulse	0.5000	3
Cr	52	45	He	-0.089	ppb	N/A	426.69	0.0401	Pulse	0.1000	3
Mn	55	45	He	0.453	ppb	32.1	133.34	0.0125	Pulse	0.1000	3
Fe	57	72	He	2.287	ppb	191.0	110.00	0.0046	Pulse	0.1000	3
Co	59	72	He	-0.004	ppb	N/A	100.00	0.0041	Pulse	0.1000	3
Ni	60	72	He	-0.036	ppb	N/A	133.34	0.0055	Pulse	0.1000	3
Cu	63	72	He	0.095	ppb	79.6	226.68	0.0094	Pulse	0.1000	3
Zn	66	72	He	-0.153	ppb	N/A	33.33	0.0014	Pulse	0.1000	3
As	75	45	He	-0.021	ppb	N/A	8.67	0.0008	Pulse	0.5000	3
Sr	88	159	He	-0.840	ppb	N/A	150.01	0.0009	Pulse	0.1000	3
Mo	98	159	He	-0.009	ppb	N/A	50.00	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.000	ppb	2395.7	30.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.009	ppb	N/A	1.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	0.051	ppb	201.4	1853.53	0.0108	Pulse	0.1000	3
Sb	121	159	He	0.046	ppb	157.7	33.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	-2.513	ppb	N/A	446.69	0.0026	Pulse	0.1000	3
Tl	205	159	He	-0.016	ppb	N/A	150.01	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.052	ppb	43.6	356.68	0.0021	Pulse	0.1000	3
U	238	209	He	0.002	ppb	368.2	186.68	0.0014	Pulse	0.1000	3

ISTD Table:

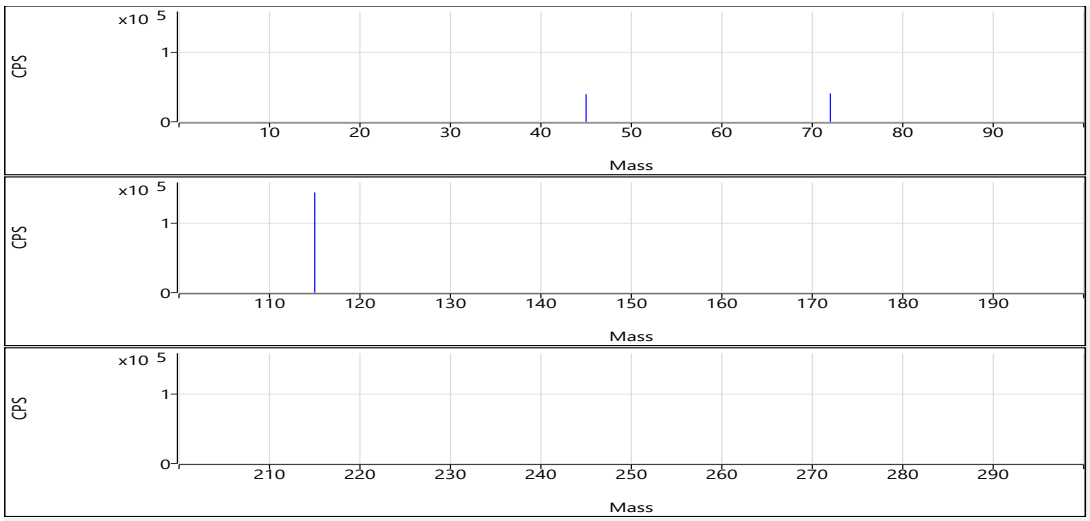
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	990276.65	0.2	94.7	Analog	0.1000	3
No Gas	Ge	72	575597.63	0.4	95.7	Pulse	0.1000	3
H2	Sc	45	39937.41	0.5	94.5	Pulse	0.1000	3
H2	Ge	72	41038.22	0.9	93.5	Pulse	0.1000	3
H2	In	115	145165.05	1.4	96.3	Pulse	0.1000	3
He	Sc	45	10634.35	5.0	93.1	Pulse	0.1000	3
He	Ge	72	24165.10	1.0	95.4	Pulse	0.1000	3
He	In	115	26510.24	2.6	97.1	Pulse	0.1000	3
He	Tb	159	171579.18	0.8	97.3	Pulse	0.1000	3
He	Bi	209	133320.00	1.8	98.9	Pulse	0.1000	3

No Gas

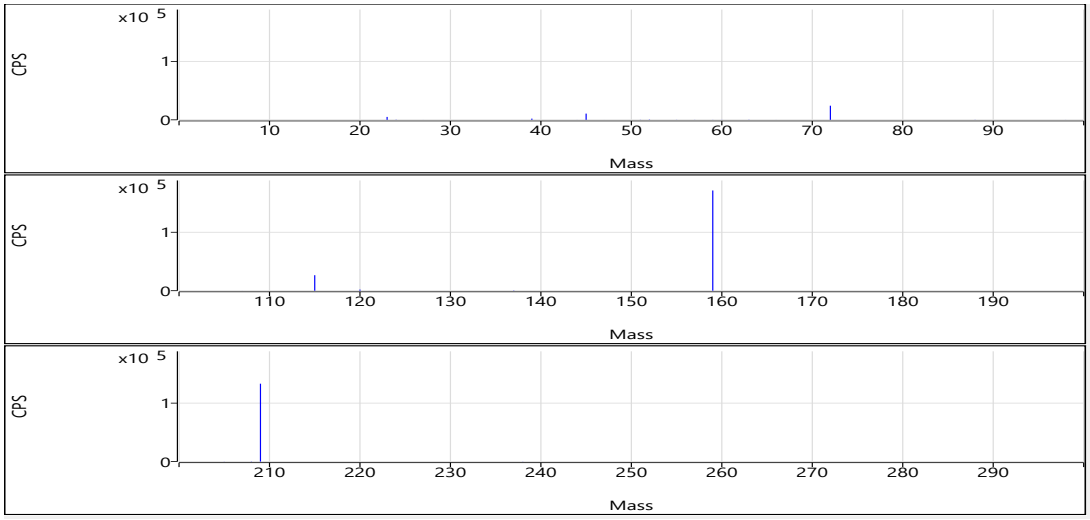


H2



Quantitation Report

He



Quantitation Report

Data File Name	215SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:48:55 PM
Sample Name	410-234898-K-6-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

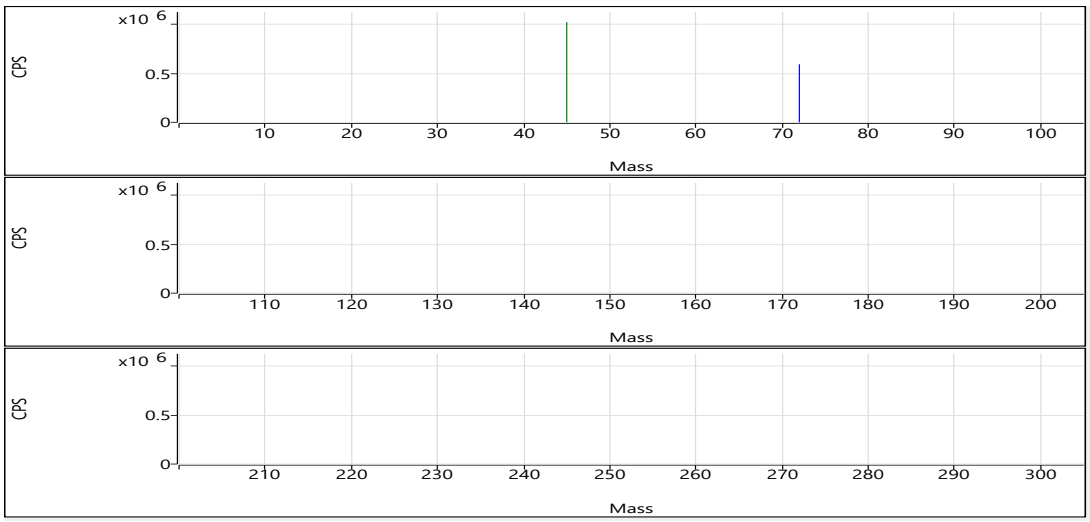
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.013	ug/L	N/A	18.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.029	ppb	288.1	2.89	0.0001	Pulse	1.5000	3
Na	23	72	He	2382.481	ug/L	3.3	111891.30	4.5471	Pulse	0.1000	3
Mg	24	72	He	22371.650	ug/L	3.8	512558.87	20.8344	Pulse	0.1000	3
Al	27	72	He	-0.272	ug/L	N/A	43.33	0.0018	Pulse	0.1000	3
K	39	72	He	3788.605	ppb	2.1	51179.60	2.0791	Pulse	0.1000	3
Ca	44	72	He	46325.835	ppb	3.2	39743.21	1.6152	Pulse	0.1000	3
Ti	47	159	He	-0.439	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.109	ppb	67.1	155.33	0.0063	Pulse	0.5000	3
Cr	52	45	He	1.358	ppb	26.6	1193.43	0.1076	Pulse	0.1000	3
Mn	55	45	He	247.476	ppb	6.0	48217.32	4.3344	Pulse	0.1000	3
Fe	57	72	He	122.179	ppb	10.6	1416.79	0.0577	Pulse	0.1000	3
Co	59	72	He	0.152	ppb	20.4	300.01	0.0121	Pulse	0.1000	3
Ni	60	72	He	0.328	ppb	12.1	266.68	0.0108	Pulse	0.1000	3
Cu	63	72	He	0.521	ppb	14.3	683.38	0.0278	Pulse	0.1000	3
Zn	66	72	He	1.854	ppb	26.9	226.68	0.0092	Pulse	0.1000	3
As	75	45	He	0.341	ppb	37.7	29.33	0.0026	Pulse	0.5000	3
Sr	88	159	He	163.586	ppb	4.4	39323.78	0.2254	Pulse	0.1000	3
Mo	98	159	He	0.048	ppb	72.0	103.34	0.0006	Pulse	0.1000	3
Ag	107	159	He	0.020	ppb	59.8	73.33	0.0004	Pulse	0.1000	3
Cd	111	159	He	0.016	ppb	37.2	6.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	0.615	ppb	4.1	2200.27	0.0126	Pulse	0.1000	3
Sb	121	159	He	0.096	ppb	73.3	56.67	0.0003	Pulse	0.1000	3
Ba	137	159	He	95.513	ppb	0.6	15673.09	0.0898	Pulse	0.1000	3
Tl	205	159	He	-0.002	ppb	N/A	230.01	0.0013	Pulse	0.1000	3
Pb	208	159	He	0.140	ppb	12.7	700.05	0.0040	Pulse	0.1000	3
U	238	209	He	0.092	ppb	12.6	980.08	0.0074	Pulse	0.1000	3

ISTD Table:

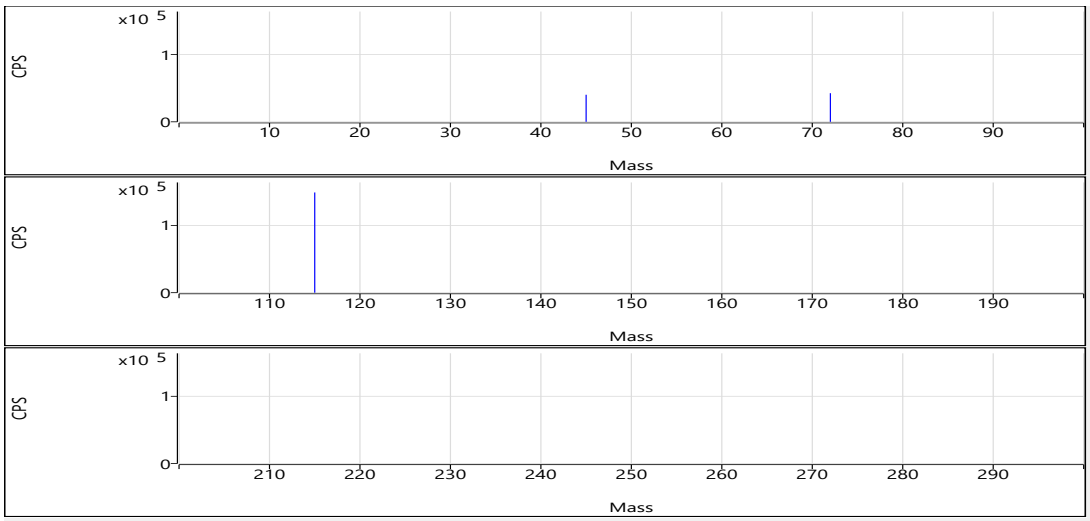
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1025305.84	0.4	98.1	Analog	0.1000	3
No Gas	Ge	72	593658.96	0.8	98.7	Pulse	0.1000	3
H2	Sc	45	40074.42	1.2	94.8	Pulse	0.1000	3
H2	Ge	72	42365.75	0.8	96.6	Pulse	0.1000	3
H2	In	115	148415.26	1.1	98.5	Pulse	0.1000	3
He	Sc	45	11148.18	5.8	97.6	Pulse	0.1000	3
He	Ge	72	24629.33	4.4	97.2	Pulse	0.1000	3
He	In	115	27131.43	1.6	99.4	Pulse	0.1000	3
He	Tb	159	174501.27	1.4	98.9	Pulse	0.1000	3
He	Bi	209	132810.91	2.4	98.5	Pulse	0.1000	3

No Gas

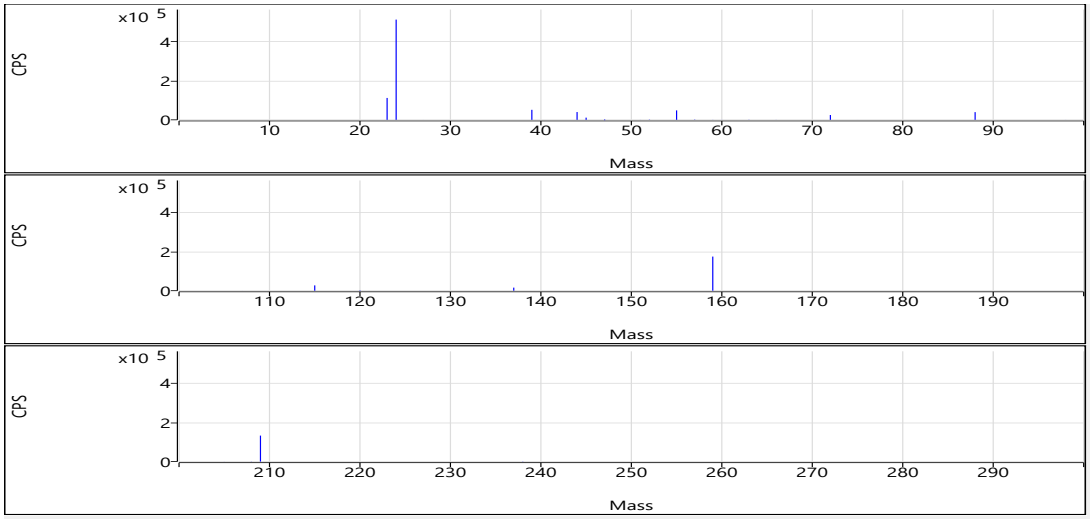


H2



Quantitation Report

He



Quantitation Report

Data File Name	216SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:50:56 PM
Sample Name	410-234898-G-7-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

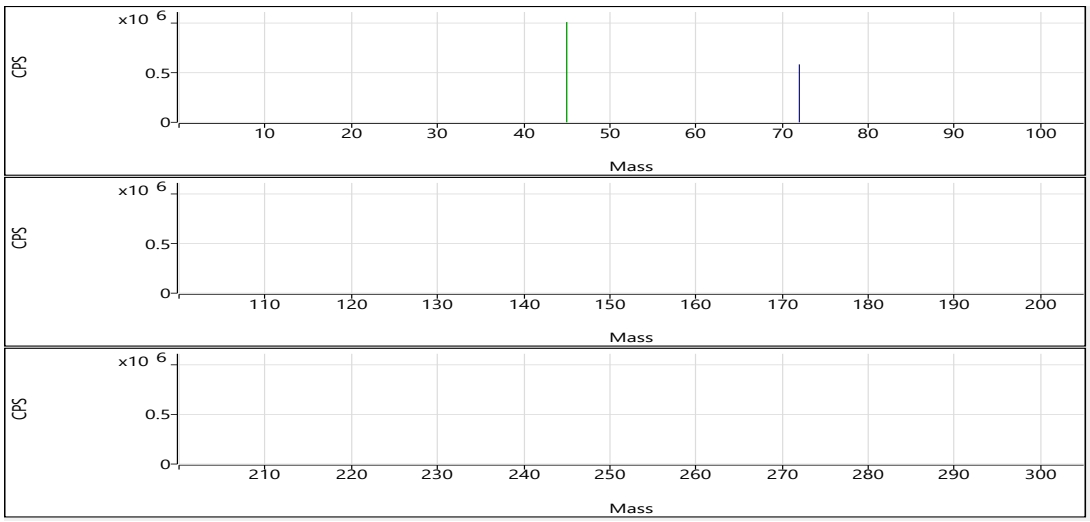
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.023	ug/L	N/A	13.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.023	ppb	204.2	2.67	0.0001	Pulse	1.5000	3
Na	23	72	He	6380.590	ug/L	2.1	290390.75	11.8030	Pulse	0.1000	3
Mg	24	72	He	22128.550	ug/L	1.9	507032.58	20.6080	Pulse	0.1000	3
Al	27	72	He	2.297	ug/L	177.6	60.00	0.0024	Pulse	0.1000	3
K	39	72	He	3484.733	ppb	1.8	47209.23	1.9187	Pulse	0.1000	3
Ca	44	72	He	79727.791	ppb	1.3	68382.50	2.7791	Pulse	0.1000	3
Ti	47	159	He	0.495	ppb	281.0	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.230	ppb	14.8	202.00	0.0082	Pulse	0.5000	3
Cr	52	45	He	0.679	ppb	36.2	816.72	0.0759	Pulse	0.1000	3
Mn	55	45	He	0.890	ppb	36.1	216.68	0.0201	Pulse	0.1000	3
Fe	57	72	He	10.353	ppb	41.4	200.01	0.0081	Pulse	0.1000	3
Co	59	72	He	0.008	ppb	307.1	116.67	0.0047	Pulse	0.1000	3
Ni	60	72	He	0.236	ppb	36.3	233.34	0.0095	Pulse	0.1000	3
Cu	63	72	He	0.295	ppb	13.6	443.36	0.0180	Pulse	0.1000	3
Zn	66	72	He	0.883	ppb	53.9	133.34	0.0054	Pulse	0.1000	3
As	75	45	He	0.089	ppb	94.9	14.67	0.0014	Pulse	0.5000	3
Sr	88	159	He	47.069	ppb	3.6	11298.36	0.0663	Pulse	0.1000	3
Mo	98	159	He	0.219	ppb	11.9	253.35	0.0015	Pulse	0.1000	3
Ag	107	159	He	0.011	ppb	85.2	53.33	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.030	ppb	49.5	9.33	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.561	ppb	N/A	1506.81	0.0088	Pulse	0.1000	3
Sb	121	159	He	-0.007	ppb	N/A	10.00	0.0001	Pulse	0.1000	3
Ba	137	159	He	231.144	ppb	0.8	35869.06	0.2105	Pulse	0.1000	3
Tl	205	159	He	-0.015	ppb	N/A	156.68	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.053	ppb	14.5	356.69	0.0021	Pulse	0.1000	3
U	238	209	He	0.317	ppb	5.1	2970.47	0.0223	Pulse	0.1000	3

ISTD Table:

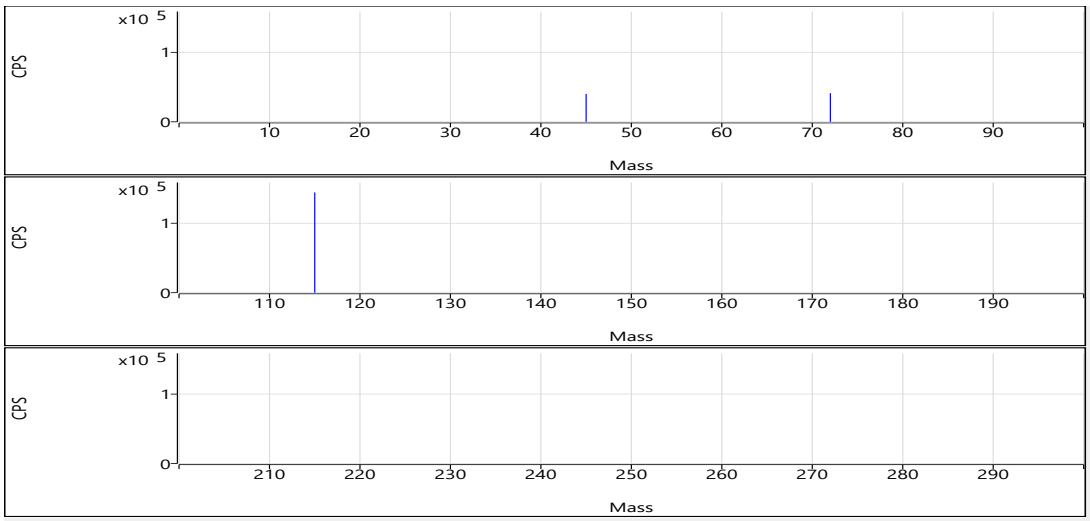
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1011204.57	0.8	96.7	Analog	0.1000	3
No Gas	Ge	72	584342.24	0.6	97.2	Pulse	0.1000	3
H2	Sc	45	40231.45	0.8	95.2	Pulse	0.1000	3
H2	Ge	72	41382.52	0.8	94.3	Pulse	0.1000	3
H2	In	115	144594.94	0.7	95.9	Pulse	0.1000	3
He	Sc	45	10787.82	3.5	94.5	Pulse	0.1000	3
He	Ge	72	24609.32	1.9	97.2	Pulse	0.1000	3
He	In	115	26740.62	1.0	98.0	Pulse	0.1000	3
He	Tb	159	170420.71	0.7	96.6	Pulse	0.1000	3
He	Bi	209	133156.63	1.6	98.7	Pulse	0.1000	3

No Gas

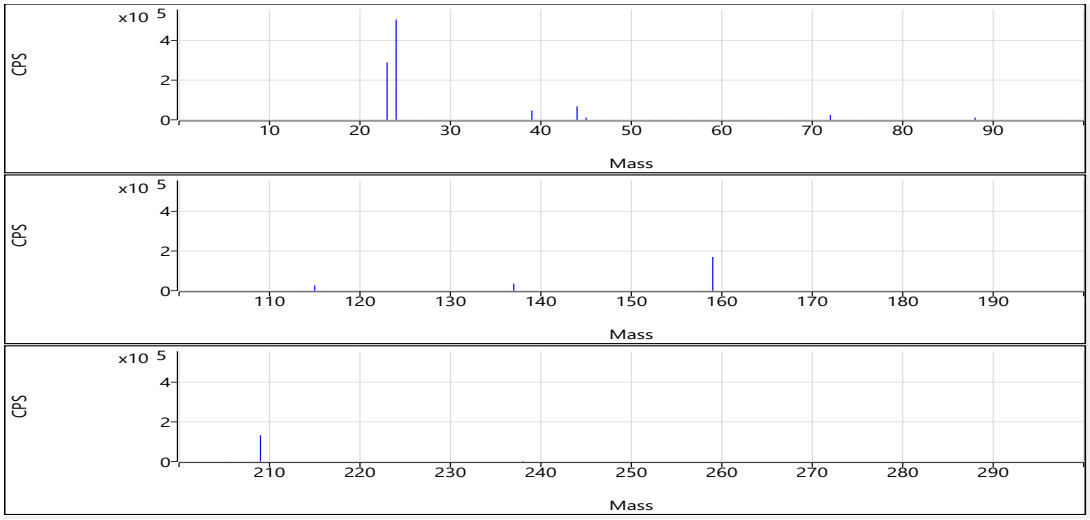


H2



Quantitation Report

He



Quantitation Report

Data File Name	217SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:52:57 PM
Sample Name	410-234898-K-5-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

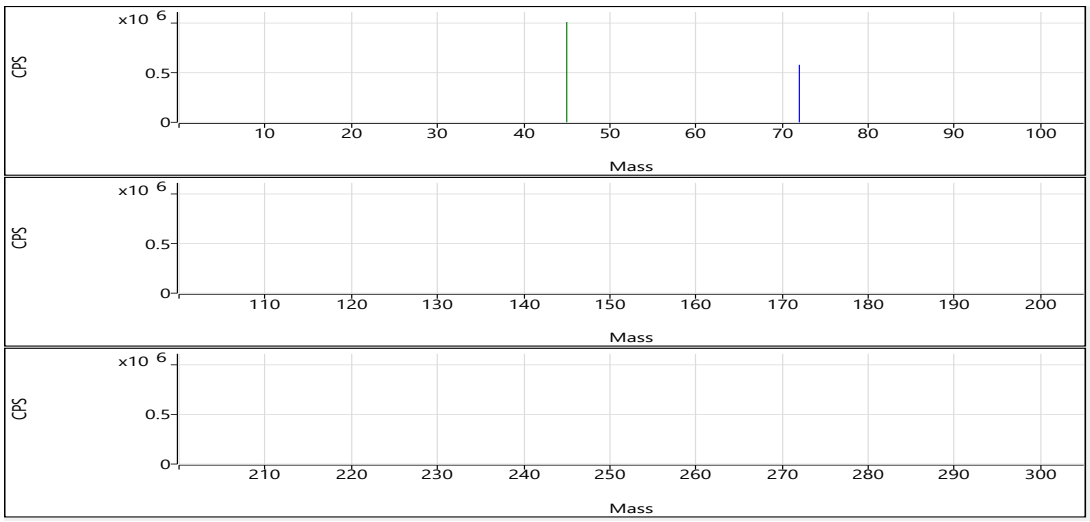
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.003	ug/L	619.8	26.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.066	ppb	N/A	0.45	0.0000	Pulse	1.5000	3
Na	23	72	He	7448.715	ug/L	3.4	328764.43	13.7414	Pulse	0.1000	3
Mg	24	72	He	35391.964	ug/L	3.6	788421.32	32.9563	Mix	0.1000	3
Al	27	72	He	-0.749	ug/L	N/A	40.00	0.0017	Pulse	0.1000	3
K	39	72	He	2666.072	ppb	5.7	35565.36	1.4867	Pulse	0.1000	3
Ca	44	72	He	94273.392	ppb	3.1	78631.68	3.2860	Pulse	0.1000	3
Ti	47	159	He	-0.438	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.041	ppb	81.9	126.00	0.0052	Pulse	0.5000	3
Cr	52	45	He	0.006	ppb	3857.0	486.69	0.0446	Pulse	0.1000	3
Mn	55	45	He	2703.420	ppb	4.1	520134.27	47.3038	Pulse	0.1000	3
Fe	57	72	He	7817.016	ppb	3.8	82929.11	3.4667	Pulse	0.1000	3
Co	59	72	He	11.673	ppb	8.6	14384.56	0.6020	Pulse	0.1000	3
Ni	60	72	He	10.402	ppb	9.4	3774.01	0.1580	Pulse	0.1000	3
Cu	63	72	He	0.143	ppb	11.8	273.34	0.0114	Pulse	0.1000	3
Zn	66	72	He	6.827	ppb	8.7	680.04	0.0284	Pulse	0.1000	3
As	75	45	He	4.942	ppb	11.4	283.34	0.0258	Pulse	0.5000	3
Sr	88	159	He	90.155	ppb	4.8	21457.34	0.1251	Pulse	0.1000	3
Mo	98	159	He	0.621	ppb	21.0	616.71	0.0036	Pulse	0.1000	3
Ag	107	159	He	0.005	ppb	91.8	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.001	ppb	1133.4	3.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.822	ppb	N/A	1373.46	0.0080	Pulse	0.1000	3
Sb	121	159	He	0.009	ppb	157.1	16.67	0.0001	Pulse	0.1000	3
Ba	137	159	He	378.950	ppb	1.8	58653.02	0.3420	Pulse	0.1000	3
Tl	205	159	He	0.028	ppb	64.9	390.02	0.0023	Pulse	0.1000	3
Pb	208	159	He	0.053	ppb	39.0	360.02	0.0021	Pulse	0.1000	3
U	238	209	He	0.594	ppb	5.6	5384.69	0.0407	Pulse	0.1000	3

ISTD Table:

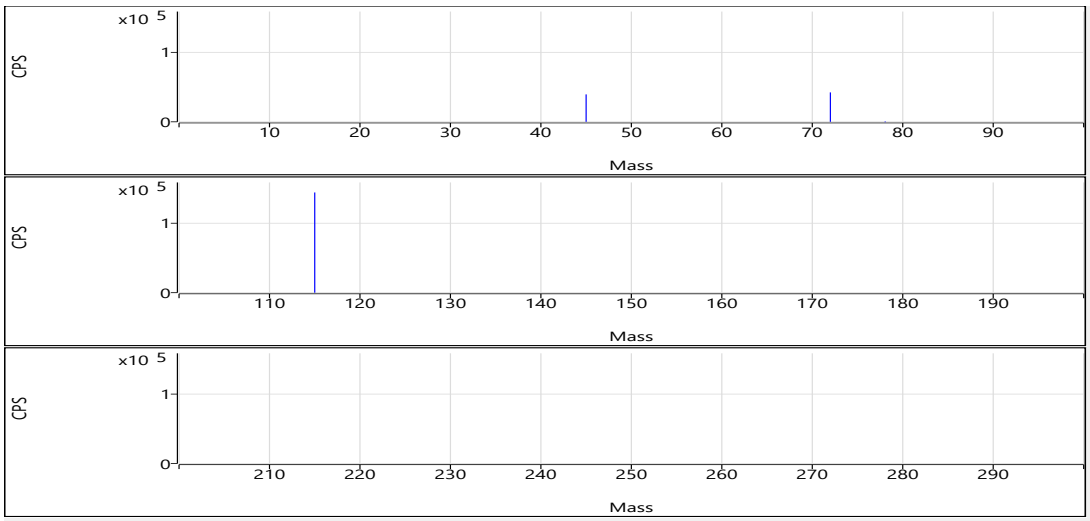
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1014218.08	0.2	97.0	Analog	0.1000	3
No Gas	Ge	72	581796.96	0.9	96.8	Pulse	0.1000	3
H2	Sc	45	39322.26	1.1	93.0	Pulse	0.1000	3
H2	Ge	72	42178.37	1.7	96.1	Pulse	0.1000	3
H2	In	115	143722.34	0.6	95.4	Pulse	0.1000	3
He	Sc	45	11011.40	5.3	96.4	Pulse	0.1000	3
He	Ge	72	23948.11	4.4	94.5	Pulse	0.1000	3
He	In	115	26232.88	1.6	96.1	Pulse	0.1000	3
He	Tb	159	171532.22	1.2	97.2	Pulse	0.1000	3
He	Bi	209	132170.72	0.9	98.0	Pulse	0.1000	3

No Gas

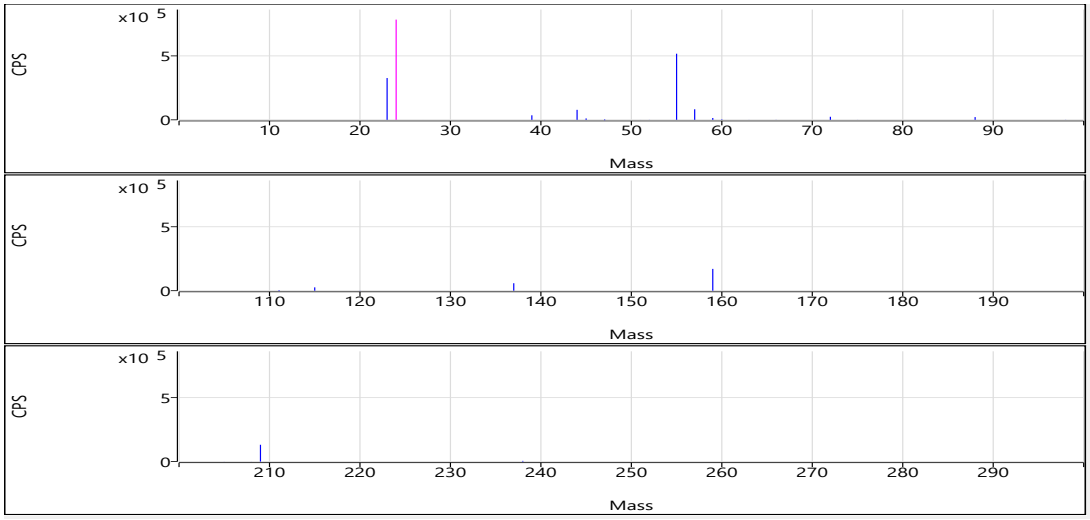


H2



Quantitation Report

He



Quantitation Report

Data File Name	218SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:54:58 PM
Sample Name	410-234898-G-11-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

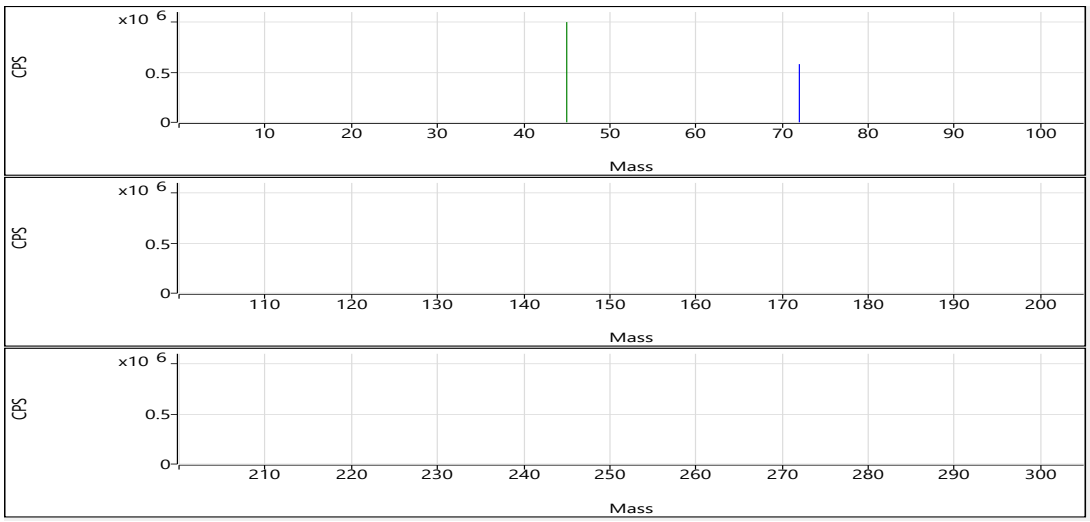
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.001	ug/L	N/A	24.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.122	ppb	24.6	5.11	0.0001	Pulse	1.5000	3
Na	23	72	He	6042.381	ug/L	3.8	270500.44	11.1892	Pulse	0.1000	3
Mg	24	72	He	24848.952	ug/L	4.4	559308.04	23.1407	Pulse	0.1000	3
Al	27	72	He	199.392	ug/L	8.2	1270.10	0.0526	Pulse	0.1000	3
K	39	72	He	2552.456	ppb	3.2	34499.43	1.4268	Pulse	0.1000	3
Ca	44	72	He	72064.041	ppb	5.0	60717.88	2.5121	Pulse	0.1000	3
Ti	47	159	He	3.204	ppb	73.9	30.00	0.0002	Pulse	0.1000	3
V	51	72	He	0.914	ppb	17.4	457.34	0.0190	Pulse	0.5000	3
Cr	52	45	He	0.596	ppb	21.6	810.05	0.0721	Pulse	0.1000	3
Mn	55	45	He	33.461	ppb	7.9	6621.78	0.5900	Pulse	0.1000	3
Fe	57	72	He	673.719	ppb	9.5	7288.80	0.3020	Pulse	0.1000	3
Co	59	72	He	0.114	ppb	44.3	246.68	0.0102	Pulse	0.1000	3
Ni	60	72	He	0.118	ppb	151.1	186.67	0.0078	Pulse	0.1000	3
Cu	63	72	He	0.351	ppb	17.4	493.36	0.0204	Pulse	0.1000	3
Zn	66	72	He	2.177	ppb	33.5	253.35	0.0104	Pulse	0.1000	3
As	75	45	He	0.360	ppb	16.6	30.67	0.0027	Pulse	0.5000	3
Sr	88	159	He	67.022	ppb	1.0	16310.25	0.0935	Pulse	0.1000	3
Mo	98	159	He	0.414	ppb	22.3	436.69	0.0025	Pulse	0.1000	3
Ag	107	159	He	-0.003	ppb	N/A	23.33	0.0001	Pulse	0.1000	3
Cd	111	159	He	0.007	ppb	221.6	4.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.720	ppb	N/A	1453.47	0.0083	Pulse	0.1000	3
Sb	121	159	He	0.008	ppb	328.6	16.67	0.0001	Pulse	0.1000	3
Ba	137	159	He	212.434	ppb	2.1	33793.66	0.1938	Pulse	0.1000	3
Tl	205	159	He	-0.016	ppb	N/A	150.01	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.328	ppb	9.8	1423.47	0.0082	Pulse	0.1000	3
U	238	209	He	0.499	ppb	4.7	4674.37	0.0344	Pulse	0.1000	3

ISTD Table:

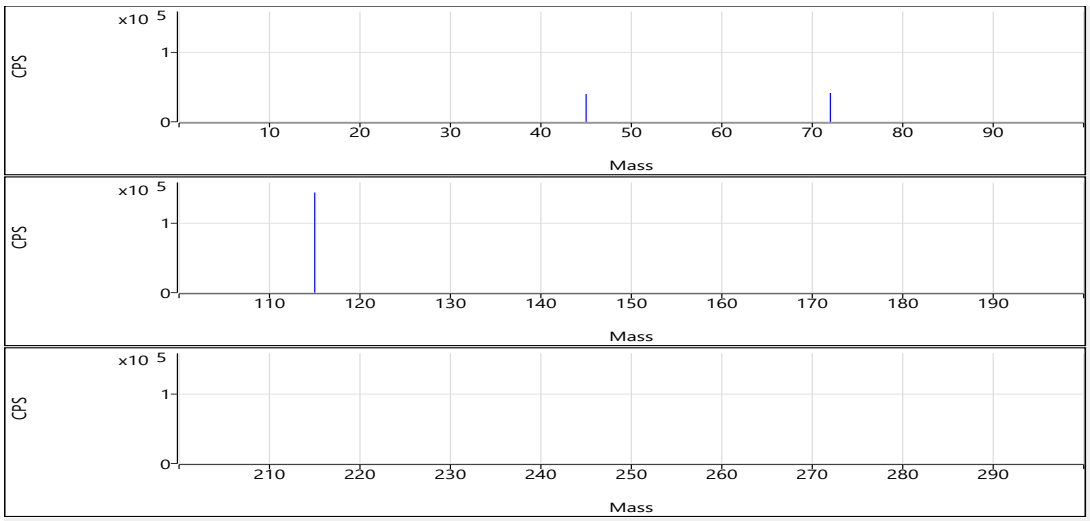
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1003788.40	0.7	96.0	Analog	0.1000	3
No Gas	Ge	72	582558.98	1.1	96.9	Pulse	0.1000	3
H2	Sc	45	39883.98	1.1	94.4	Pulse	0.1000	3
H2	Ge	72	41208.64	1.1	93.9	Pulse	0.1000	3
H2	In	115	143327.76	0.8	95.1	Pulse	0.1000	3
He	Sc	45	11231.47	1.8	98.3	Pulse	0.1000	3
He	Ge	72	24201.79	4.5	95.5	Pulse	0.1000	3
He	In	115	26055.79	2.6	95.5	Pulse	0.1000	3
He	Tb	159	174355.25	0.9	98.8	Pulse	0.1000	3
He	Bi	209	135757.63	1.9	100.7	Pulse	0.1000	3

No Gas

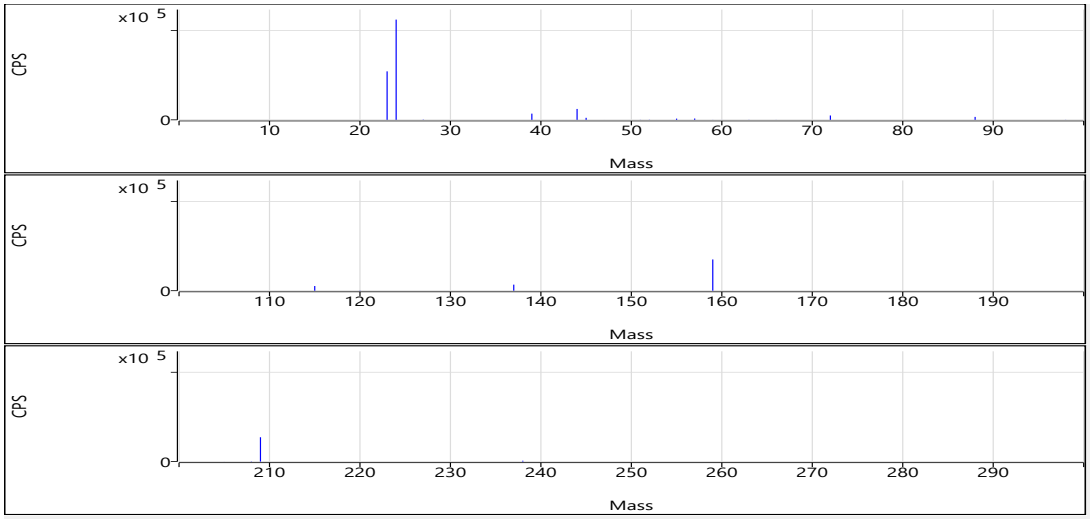


H2



Quantitation Report

He



Quantitation Report

Data File Name	220_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:58:59 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

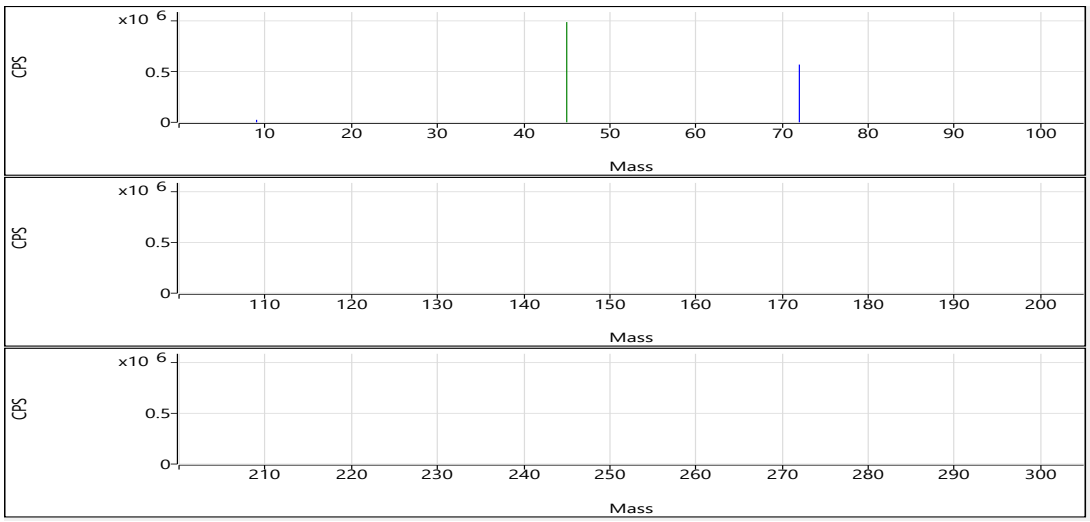
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.706	ug/L	0.6	24186.16	0.0246	Pulse	0.5000	3
Se	78	72	H2	51.017	ppb	2.2	1259.84	0.0309	Pulse	1.5000	3
Na	23	72	He	4979.105	ug/L	2.3	216237.70	9.2595	Pulse	0.1000	3
Mg	24	72	He	4930.999	ug/L	2.4	107353.80	4.5971	Pulse	0.1000	3
Al	27	72	He	4882.206	ug/L	1.4	29060.16	1.2442	Pulse	0.1000	3
K	39	72	He	5002.898	ppb	0.4	63536.27	2.7199	Pulse	0.1000	3
Ca	44	72	He	4897.124	ppb	7.1	4007.38	0.1716	Pulse	0.1000	3
Ti	47	159	He	4898.592	ppb	2.3	35605.68	0.2051	Pulse	0.1000	3
V	51	72	He	499.092	ppb	1.8	183196.52	7.8442	Pulse	0.5000	3
Cr	52	45	He	498.906	ppb	2.6	253682.50	23.3052	Pulse	0.1000	3
Mn	55	45	He	496.618	ppb	1.2	94658.67	8.6934	Pulse	0.1000	3
Fe	57	72	He	4893.665	ppb	3.1	50706.00	2.1716	Pulse	0.1000	3
Co	59	72	He	482.884	ppb	2.8	577421.20	24.7276	Pulse	0.1000	3
Ni	60	72	He	505.616	ppb	3.1	172566.83	7.3904	Pulse	0.1000	3
Cu	63	72	He	507.207	ppb	2.3	512914.85	21.9640	Pulse	0.1000	3
Zn	66	72	He	501.063	ppb	3.3	45418.20	1.9452	Pulse	0.1000	3
As	75	45	He	507.896	ppb	2.5	27856.58	2.5591	Pulse	0.5000	3
Sr	88	159	He	46.969	ppb	5.0	11485.14	0.0662	Pulse	0.1000	3
Mo	98	159	He	49.254	ppb	2.1	44804.52	0.2581	Pulse	0.1000	3
Ag	107	159	He	49.330	ppb	2.5	106700.34	0.6146	Pulse	0.1000	3
Cd	111	159	He	48.795	ppb	1.2	10126.48	0.0583	Pulse	0.5000	3
Sn	120	159	He	47.812	ppb	1.7	28447.61	0.1638	Pulse	0.1000	3
Sb	121	159	He	49.716	ppb	2.4	22259.02	0.1282	Pulse	0.1000	3
Ba	137	159	He	484.211	ppb	1.7	75635.29	0.4356	Pulse	0.1000	3
Tl	205	159	He	49.885	ppb	1.2	274415.43	1.5801	Pulse	0.1000	3
Pb	208	159	He	49.532	ppb	0.5	189831.00	1.0930	Pulse	0.1000	3
U	238	209	He	49.390	ppb	1.1	438781.04	3.2825	Pulse	0.1000	3

ISTD Table:

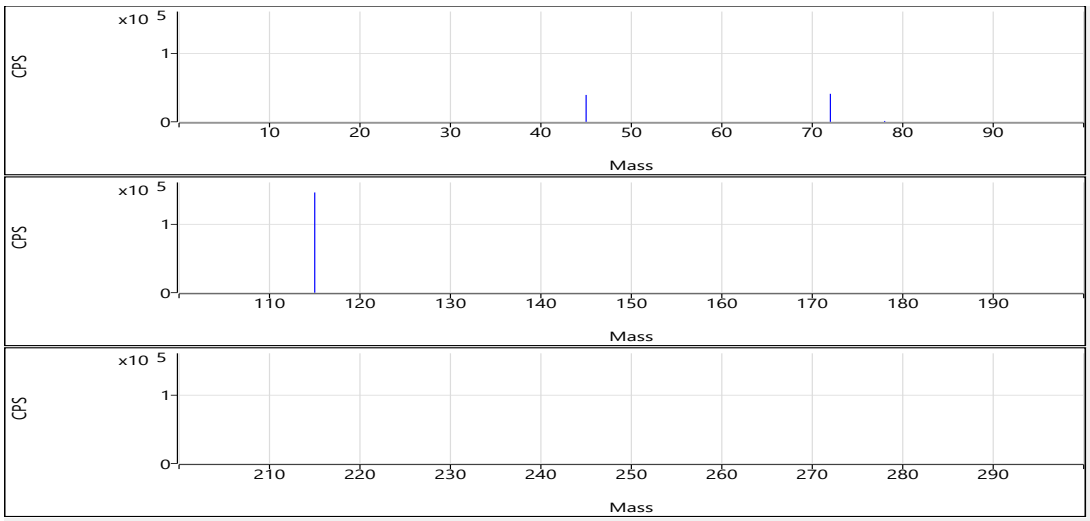
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	984784.49	0.5	94.2	Analog	0.1000	3
No Gas	Ge	72	567146.98	0.3	94.3	Pulse	0.1000	3
H2	Sc	45	39201.91	1.7	92.7	Pulse	0.1000	3
H2	Ge	72	40844.04	2.3	93.1	Pulse	0.1000	3
H2	In	115	146163.98	1.5	97.0	Pulse	0.1000	3
He	Sc	45	10891.22	3.3	95.4	Pulse	0.1000	3
He	Ge	72	23360.21	2.1	92.2	Pulse	0.1000	3
He	In	115	26132.73	2.2	95.7	Pulse	0.1000	3
He	Tb	159	173668.59	2.0	98.5	Pulse	0.1000	3
He	Bi	209	133699.81	2.9	99.1	Pulse	0.1000	3

No Gas

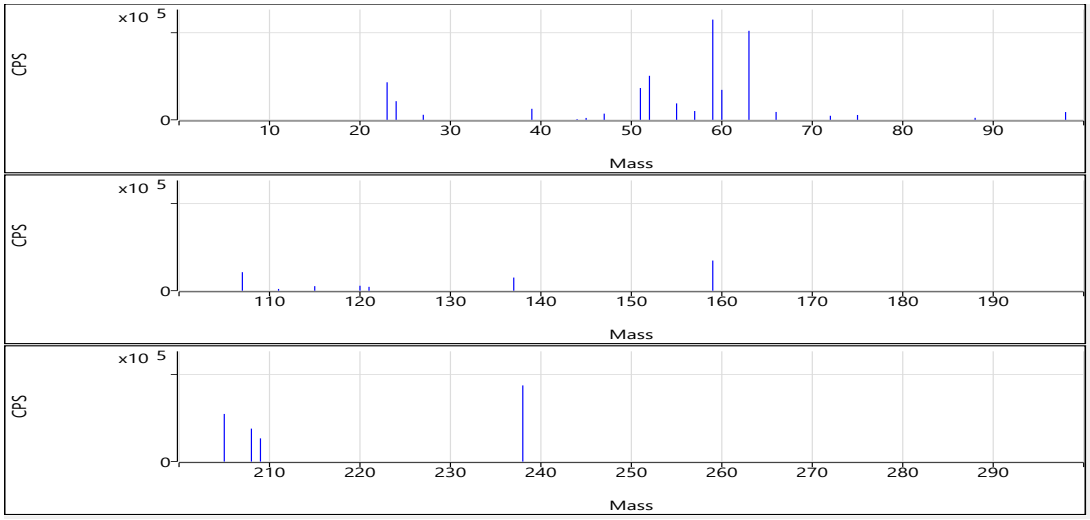


H2



Quantitation Report

He



Quantitation Report

Data File Name	222_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:03:00 AM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

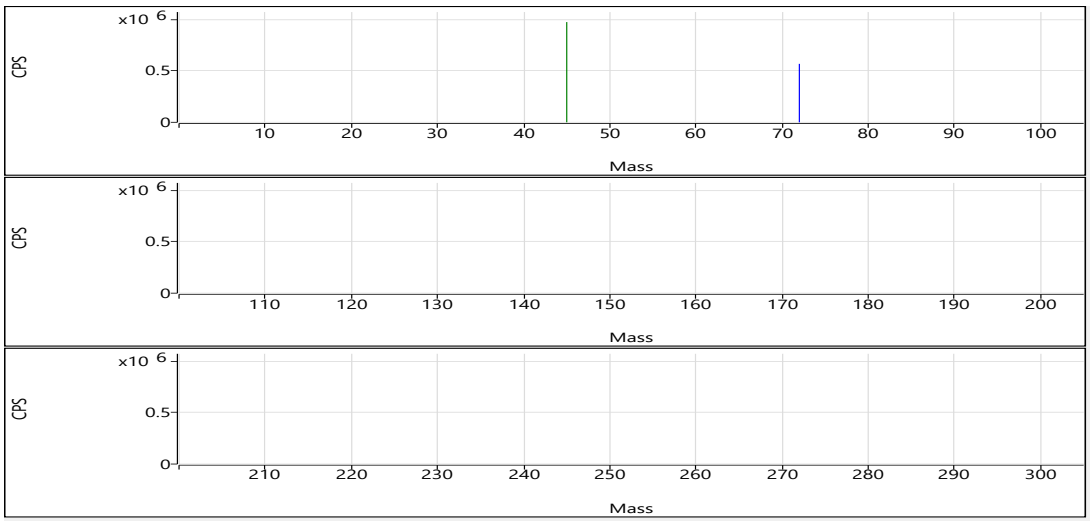
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.024	ug/L	N/A	12.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.039	ppb	N/A	1.11	0.0000	Pulse	1.5000	3
Na	23	72	He	-7.803	ug/L	N/A	4971.05	0.2092	Pulse	0.1000	3
Mg	24	72	He	4.980	ug/L	37.7	260.01	0.0110	Pulse	0.1000	3
Al	27	72	He	-1.751	ug/L	N/A	33.33	0.0014	Pulse	0.1000	3
K	39	72	He	10.572	ppb	108.3	2033.56	0.0855	Pulse	0.1000	3
Ca	44	72	He	48.996	ppb	120.5	63.33	0.0026	Pulse	0.1000	3
Ti	47	159	He	0.472	ppb	504.9	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.046	ppb	161.2	126.67	0.0053	Pulse	0.5000	3
Cr	52	45	He	-0.102	ppb	N/A	416.69	0.0395	Pulse	0.1000	3
Mn	55	45	He	0.480	ppb	7.5	136.68	0.0130	Pulse	0.1000	3
Fe	57	72	He	3.381	ppb	98.0	120.01	0.0050	Pulse	0.1000	3
Co	59	72	He	-0.014	ppb	N/A	86.67	0.0036	Pulse	0.1000	3
Ni	60	72	He	0.152	ppb	38.1	196.68	0.0083	Pulse	0.1000	3
Cu	63	72	He	0.105	ppb	67.0	233.35	0.0098	Pulse	0.1000	3
Zn	66	72	He	-0.151	ppb	N/A	33.33	0.0014	Pulse	0.1000	3
As	75	45	He	-0.070	ppb	N/A	6.00	0.0006	Pulse	0.5000	3
Sr	88	159	He	-0.740	ppb	N/A	173.34	0.0010	Pulse	0.1000	3
Mo	98	159	He	-0.020	ppb	N/A	40.00	0.0002	Pulse	0.1000	3
Ag	107	159	He	0.005	ppb	161.3	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.007	ppb	212.1	4.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.003	ppb	N/A	1820.19	0.0106	Pulse	0.1000	3
Sb	121	159	He	0.016	ppb	141.4	20.00	0.0001	Pulse	0.1000	3
Ba	137	159	He	-3.169	ppb	N/A	346.68	0.0020	Pulse	0.1000	3
Tl	205	159	He	-0.023	ppb	N/A	113.34	0.0007	Pulse	0.1000	3
Pb	208	159	He	0.056	ppb	19.9	370.02	0.0022	Pulse	0.1000	3
U	238	209	He	-0.001	ppb	N/A	160.01	0.0012	Pulse	0.1000	3

ISTD Table:

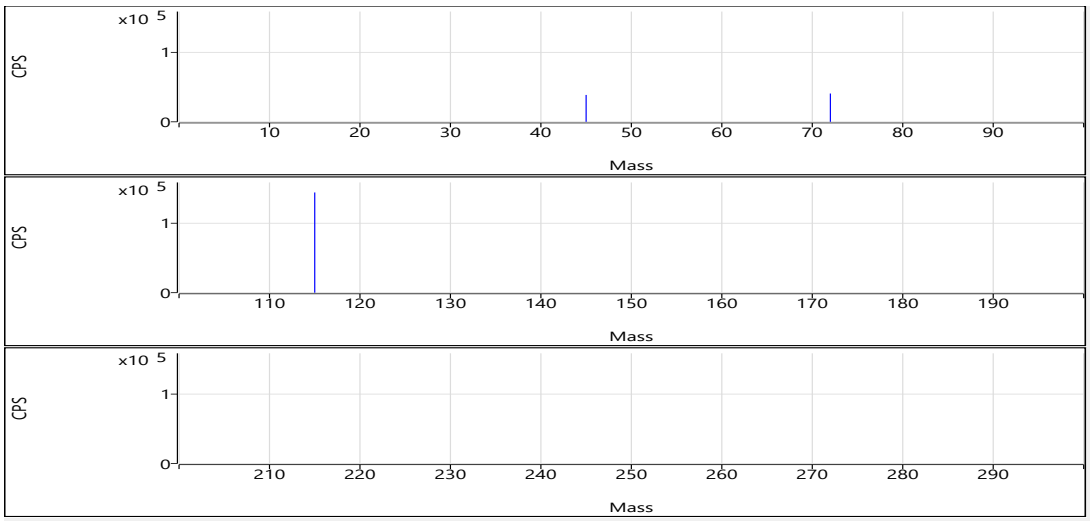
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	973656.58	0.7	93.1	Analog	0.1000	3
No Gas	Ge	72	567804.39	0.8	94.4	Pulse	0.1000	3
H2	Sc	45	38764.09	3.0	91.7	Pulse	0.1000	3
H2	Ge	72	40814.16	0.4	93.0	Pulse	0.1000	3
H2	In	115	144564.58	0.9	95.9	Pulse	0.1000	3
He	Sc	45	10540.91	0.8	92.3	Pulse	0.1000	3
He	Ge	72	23787.63	2.5	93.9	Pulse	0.1000	3
He	In	115	26159.40	2.7	95.8	Pulse	0.1000	3
He	Tb	159	171258.22	1.4	97.1	Pulse	0.1000	3
He	Bi	209	134589.04	2.5	99.8	Pulse	0.1000	3

No Gas

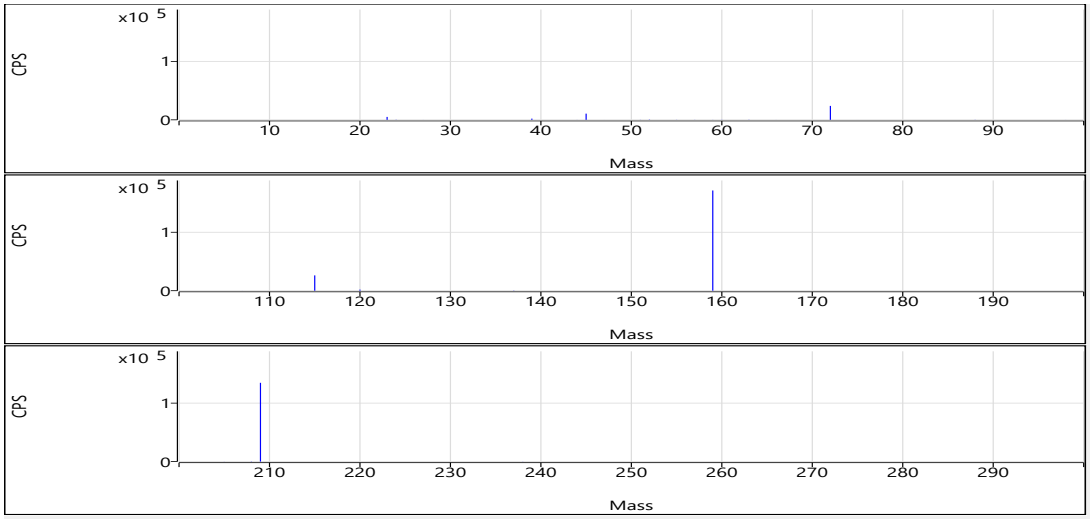


H2



Quantitation Report

He



Quantitation Report

Data File Name	223SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:05:01 AM
Sample Name	410-235003-G-9-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

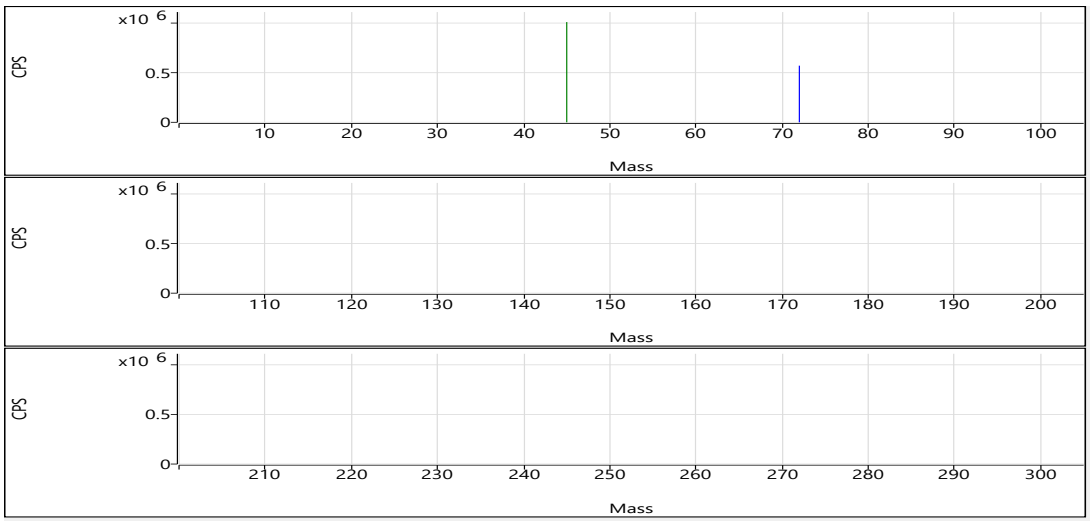
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.018	ug/L	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.269	ppb	30.4	8.67	0.0002	Pulse	1.5000	3
Na	23	72	He	131291.731	ug/L	4.4	5643477.42	238.4945	Analog	0.1000	3
Mg	24	72	He	13545.097	ug/L	4.6	298540.02	12.6168	Pulse	0.1000	3
Al	27	72	He	-2.313	ug/L	N/A	30.00	0.0013	Pulse	0.1000	3
K	39	72	He	2964.380	ppb	2.0	38961.10	1.6442	Pulse	0.1000	3
Ca	44	72	He	142798.165	ppb	4.8	117754.10	4.9768	Pulse	0.1000	3
Ti	47	159	He	0.478	ppb	4.4	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.075	ppb	37.7	136.67	0.0058	Pulse	0.5000	3
Cr	52	45	He	0.533	ppb	7.6	746.71	0.0691	Pulse	0.1000	3
Mn	55	45	He	0.766	ppb	52.5	193.34	0.0180	Pulse	0.1000	3
Fe	57	72	He	94.143	ppb	5.1	1073.42	0.0453	Pulse	0.1000	3
Co	59	72	He	0.199	ppb	8.8	343.35	0.0145	Pulse	0.1000	3
Ni	60	72	He	1.443	ppb	9.5	643.37	0.0271	Pulse	0.1000	3
Cu	63	72	He	11.673	ppb	5.0	12088.97	0.5106	Pulse	0.1000	3
Zn	66	72	He	21.288	ppb	10.7	1996.89	0.0845	Pulse	0.1000	3
As	75	45	He	0.098	ppb	73.6	15.33	0.0014	Pulse	0.5000	3
Sr	88	159	He	1138.416	ppb	2.2	269211.15	1.5567	Pulse	0.1000	3
Mo	98	159	He	0.031	ppb	51.0	86.67	0.0005	Pulse	0.1000	3
Ag	107	159	He	0.076	ppb	23.7	193.34	0.0011	Pulse	0.1000	3
Cd	111	159	He	0.007	ppb	165.5	4.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.355	ppb	N/A	1643.51	0.0095	Pulse	0.1000	3
Sb	121	159	He	0.038	ppb	60.2	30.00	0.0002	Pulse	0.1000	3
Ba	137	159	He	49.720	ppb	6.3	8486.35	0.0491	Pulse	0.1000	3
Tl	205	159	He	-0.009	ppb	N/A	190.01	0.0011	Pulse	0.1000	3
Pb	208	159	He	0.259	ppb	6.0	1146.77	0.0066	Pulse	0.1000	3
U	238	209	He	0.472	ppb	6.8	4227.54	0.0326	Pulse	0.1000	3

ISTD Table:

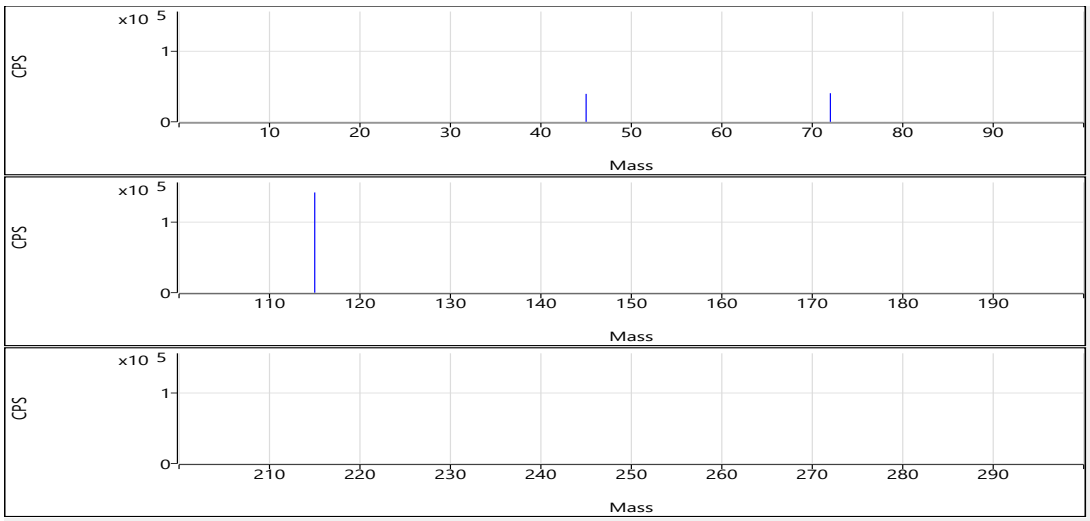
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1011750.84	0.5	96.8	Analog	0.1000	3
No Gas	Ge	72	571690.98	0.8	95.1	Pulse	0.1000	3
H2	Sc	45	39783.34	2.7	94.1	Pulse	0.1000	3
H2	Ge	72	40697.29	3.6	92.8	Pulse	0.1000	3
H2	In	115	142680.22	0.6	94.7	Pulse	0.1000	3
He	Sc	45	10801.16	1.4	94.6	Pulse	0.1000	3
He	Ge	72	23694.12	4.5	93.5	Pulse	0.1000	3
He	In	115	25842.08	1.8	94.7	Pulse	0.1000	3
He	Tb	159	172970.41	1.5	98.1	Pulse	0.1000	3
He	Bi	209	129604.12	0.7	96.1	Pulse	0.1000	3

No Gas

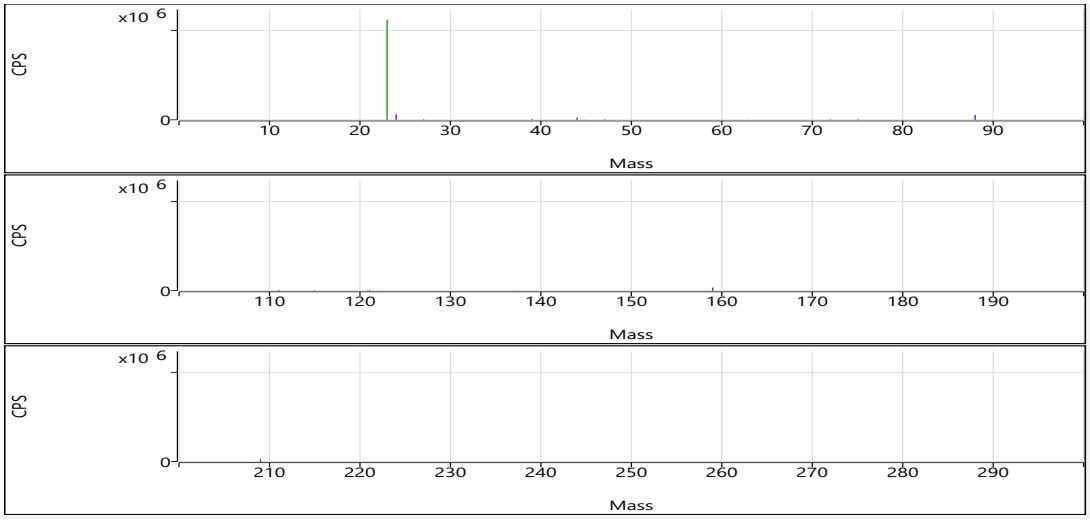


H2



Quantitation Report

He



Quantitation Report

Data File Name	224SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:07:02 AM
Sample Name	410-235032-G-1-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

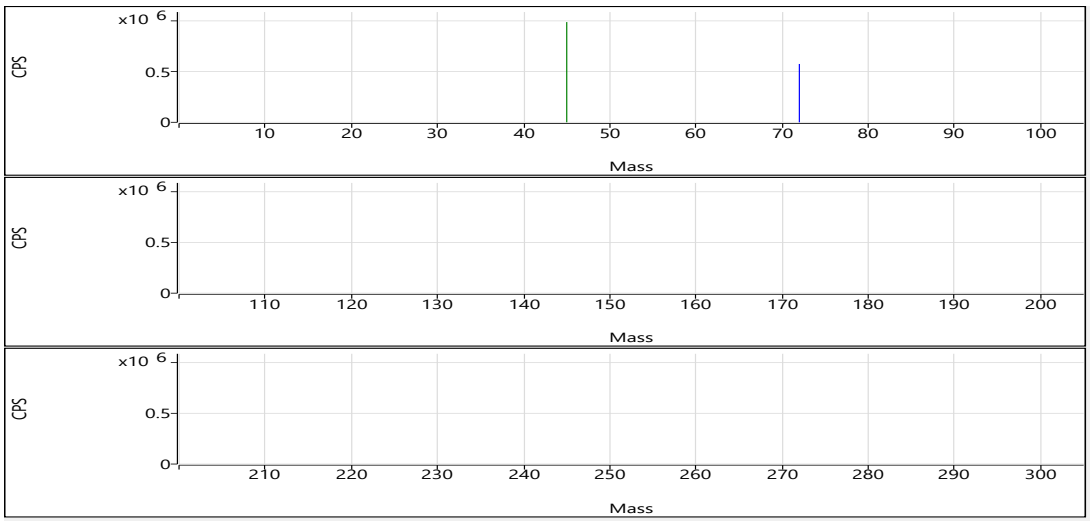
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.012	ug/L	N/A	18.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.073	ppb	64.1	4.00	0.0001	Pulse	1.5000	3
Na	23	72	He	52368.226	ug/L	1.8	2350231.74	95.2624	Analog	0.1000	3
Mg	24	72	He	12323.684	ug/L	1.7	283220.47	11.4797	Pulse	0.1000	3
Al	27	72	He	-5.111	ug/L	N/A	13.33	0.0005	Pulse	0.1000	3
K	39	72	He	3961.663	ppb	0.3	53555.49	2.1704	Pulse	0.1000	3
Ca	44	72	He	28172.498	ppb	0.5	24248.19	0.9826	Pulse	0.1000	3
Ti	47	159	He	-0.442	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.028	ppb	179.0	124.67	0.0050	Pulse	0.5000	3
Cr	52	45	He	-0.117	ppb	N/A	416.70	0.0388	Pulse	0.1000	3
Mn	55	45	He	102.152	ppb	1.0	19236.99	1.7918	Pulse	0.1000	3
Fe	57	72	He	2.386	ppb	159.1	113.34	0.0046	Pulse	0.1000	3
Co	59	72	He	0.408	ppb	27.9	623.37	0.0252	Pulse	0.1000	3
Ni	60	72	He	1.352	ppb	6.8	636.71	0.0258	Pulse	0.1000	3
Cu	63	72	He	1.694	ppb	12.3	1936.87	0.0786	Pulse	0.1000	3
Zn	66	72	He	2.307	ppb	25.4	270.01	0.0109	Pulse	0.1000	3
As	75	45	He	-0.034	ppb	N/A	8.00	0.0008	Pulse	0.5000	3
Sr	88	159	He	178.552	ppb	2.7	42750.62	0.2459	Pulse	0.1000	3
Mo	98	159	He	0.015	ppb	37.8	73.33	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.002	ppb	570.9	33.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.270	ppb	24.5	59.33	0.0003	Pulse	0.5000	3
Sn	120	159	He	-0.677	ppb	N/A	1473.47	0.0085	Pulse	0.1000	3
Sb	121	159	He	0.023	ppb	246.7	23.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	17.158	ppb	14.0	3497.28	0.0201	Pulse	0.1000	3
Tl	205	159	He	-0.019	ppb	N/A	133.34	0.0008	Pulse	0.1000	3
Pb	208	159	He	0.075	ppb	17.6	446.69	0.0026	Pulse	0.1000	3
U	238	209	He	0.006	ppb	28.8	220.01	0.0017	Pulse	0.1000	3

ISTD Table:

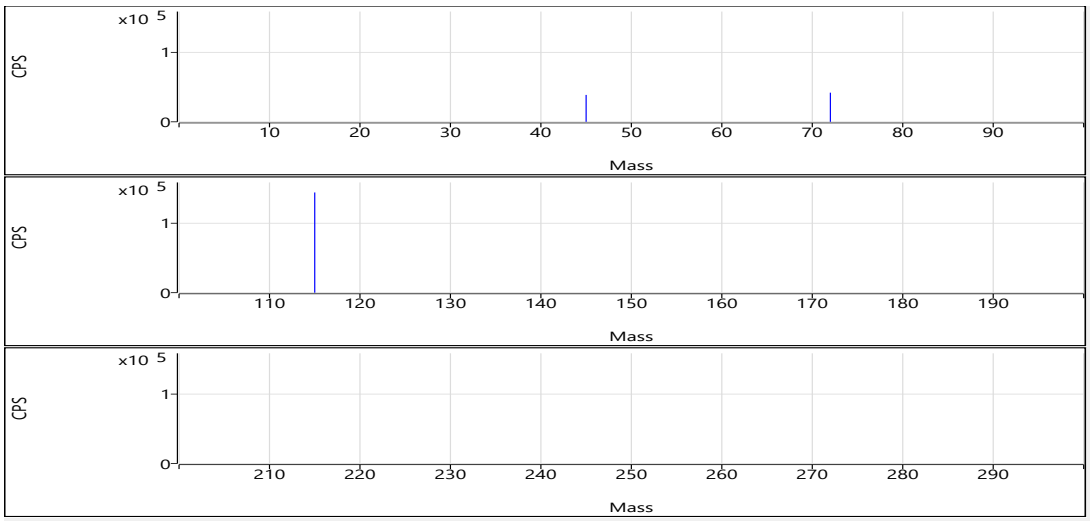
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	990822.49	1.2	94.8	Analog	0.1000	3
No Gas	Ge	72	576580.15	0.9	95.9	Pulse	0.1000	3
H2	Sc	45	38964.87	0.8	92.2	Pulse	0.1000	3
H2	Ge	72	42205.16	1.4	96.2	Pulse	0.1000	3
H2	In	115	145170.82	1.9	96.3	Pulse	0.1000	3
He	Sc	45	10737.79	2.6	94.0	Pulse	0.1000	3
He	Ge	72	24675.99	1.6	97.4	Pulse	0.1000	3
He	In	115	26660.35	2.2	97.7	Pulse	0.1000	3
He	Tb	159	173904.39	0.7	98.6	Pulse	0.1000	3
He	Bi	209	132931.99	2.1	98.6	Pulse	0.1000	3

No Gas

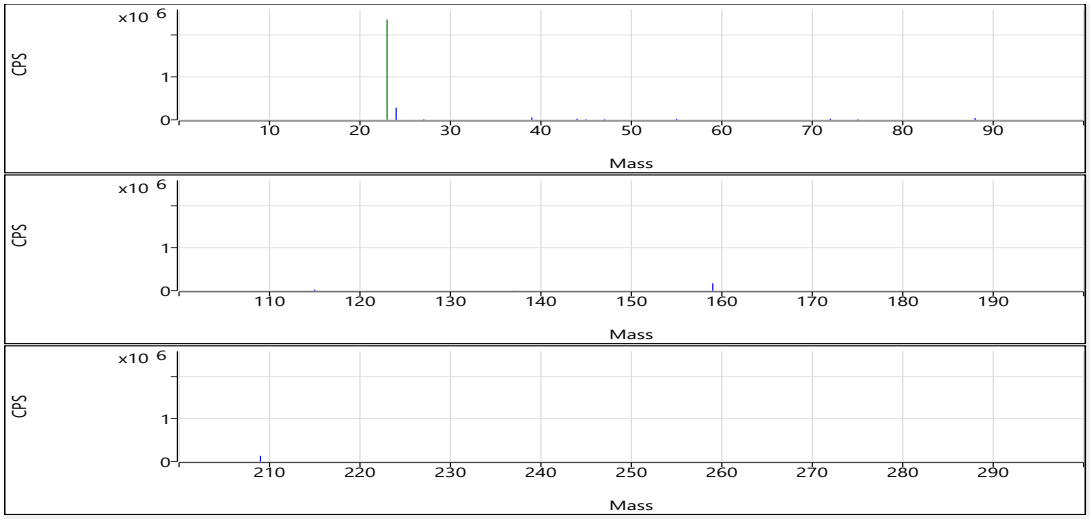


H2



Quantitation Report

He



Quantitation Report

Data File Name	225SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:09:03 AM
Sample Name	180-193966-Z-1-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

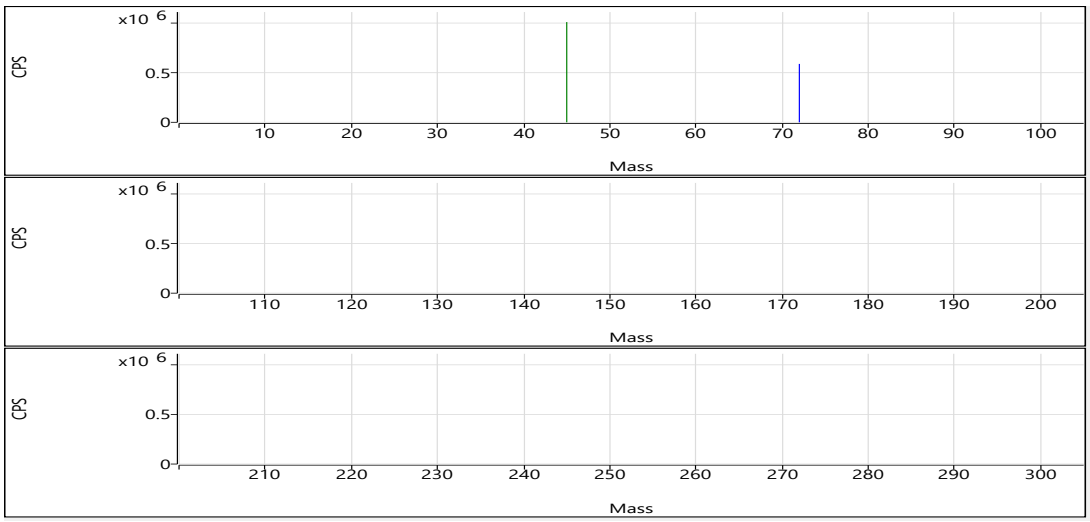
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.006	ug/L	132.1	28.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.121	ppb	89.1	5.11	0.0001	Pulse	1.5000	3
Na	23	72	He	8467.537	ug/L	0.5	389079.05	15.5904	Pulse	0.1000	3
Mg	24	72	He	6990.808	ug/L	1.7	162583.62	6.5148	Pulse	0.1000	3
Al	27	72	He	221.820	ug/L	16.6	1453.72	0.0583	Pulse	0.1000	3
K	39	72	He	2684.464	ppb	0.5	37346.97	1.4964	Pulse	0.1000	3
Ca	44	72	He	36397.911	ppb	0.5	31676.32	1.2692	Pulse	0.1000	3
Ti	47	159	He	1.859	ppb	148.5	20.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.779	ppb	14.6	420.01	0.0168	Pulse	0.5000	3
Cr	52	45	He	0.074	ppb	194.2	530.03	0.0477	Pulse	0.1000	3
Mn	55	45	He	482.108	ppb	4.7	93584.70	8.4396	Pulse	0.1000	3
Fe	57	72	He	417.210	ppb	2.4	4700.96	0.1884	Pulse	0.1000	3
Co	59	72	He	0.325	ppb	14.4	523.36	0.0210	Pulse	0.1000	3
Ni	60	72	He	0.885	ppb	21.4	473.36	0.0190	Pulse	0.1000	3
Cu	63	72	He	1.197	ppb	12.6	1423.46	0.0571	Pulse	0.1000	3
Zn	66	72	He	1.488	ppb	34.3	193.34	0.0077	Pulse	0.1000	3
As	75	45	He	2.586	ppb	10.8	155.33	0.0139	Pulse	0.5000	3
Sr	88	159	He	274.496	ppb	1.9	65128.35	0.3769	Pulse	0.1000	3
Mo	98	159	He	3.725	ppb	3.2	3427.22	0.0198	Pulse	0.1000	3
Ag	107	159	He	-0.003	ppb	N/A	23.33	0.0001	Pulse	0.1000	3
Cd	111	159	He	0.013	ppb	126.5	6.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.671	ppb	N/A	1466.80	0.0085	Pulse	0.1000	3
Sb	121	159	He	0.180	ppb	25.8	93.34	0.0005	Pulse	0.1000	3
Ba	137	159	He	90.339	ppb	2.5	14725.34	0.0852	Pulse	0.1000	3
Tl	205	159	He	-0.018	ppb	N/A	140.01	0.0008	Pulse	0.1000	3
Pb	208	159	He	0.345	ppb	10.2	1473.48	0.0085	Pulse	0.1000	3
U	238	209	He	0.489	ppb	10.2	4611.02	0.0337	Pulse	0.1000	3

ISTD Table:

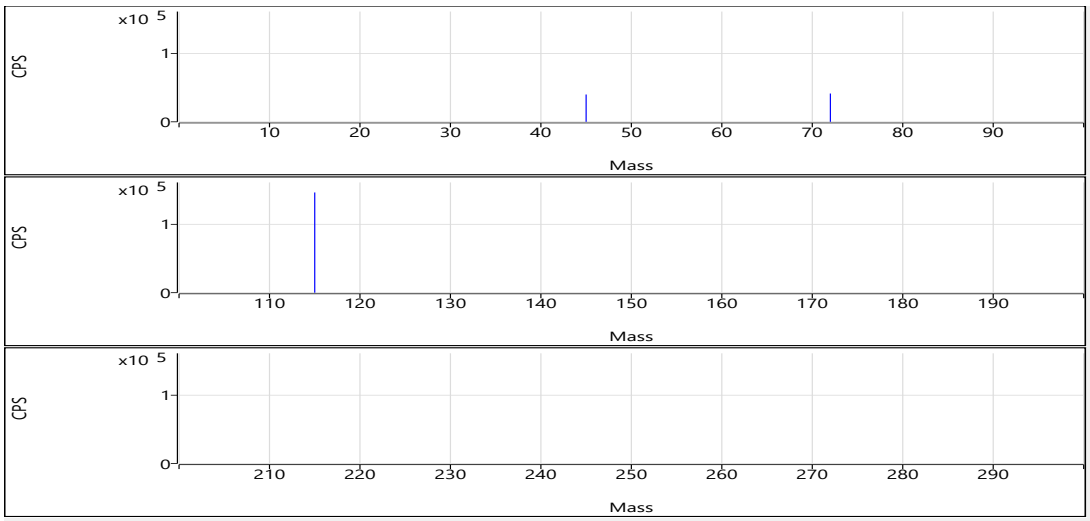
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1008665.69	1.2	96.5	Analog	0.1000	3
No Gas	Ge	72	587573.94	1.5	97.7	Pulse	0.1000	3
H2	Sc	45	39813.60	0.5	94.2	Pulse	0.1000	3
H2	Ge	72	41232.15	3.0	94.0	Pulse	0.1000	3
H2	In	115	146087.54	0.4	96.9	Pulse	0.1000	3
He	Sc	45	11104.79	4.7	97.2	Pulse	0.1000	3
He	Ge	72	24956.60	0.6	98.5	Pulse	0.1000	3
He	In	115	27044.47	1.2	99.1	Pulse	0.1000	3
He	Tb	159	172809.85	0.1	98.0	Pulse	0.1000	3
He	Bi	209	136678.29	1.3	101.3	Pulse	0.1000	3

No Gas

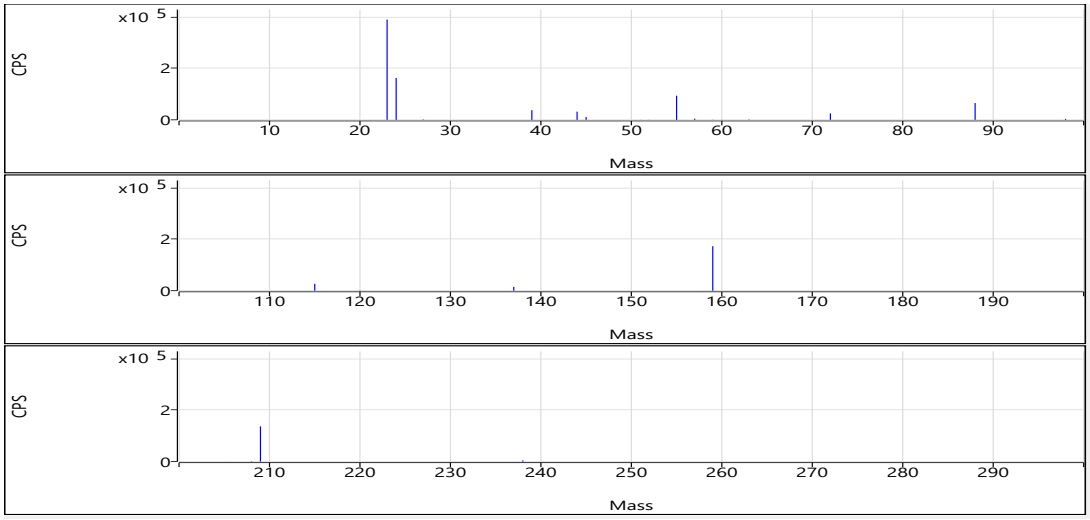


H2



Quantitation Report

He



Quantitation Report

Data File Name	226SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:11:03 AM
Sample Name	410-234860-N-4-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

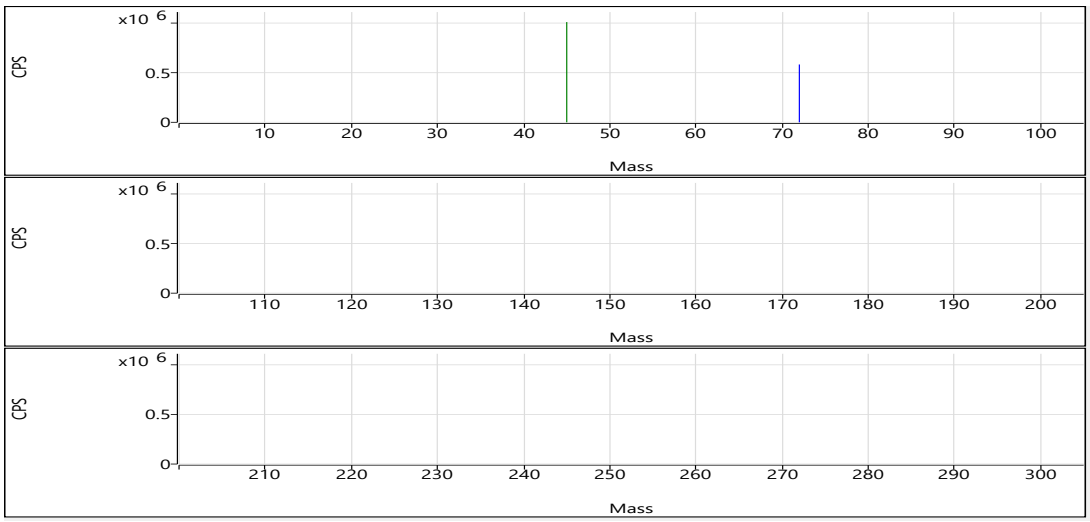
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.019	ug/L	N/A	15.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.089	ppb	81.0	4.22	0.0001	Pulse	1.5000	3
Na	23	72	He	75761.599	ug/L	4.1	3375418.39	137.7172	Analog	0.1000	3
Mg	24	72	He	13528.179	ug/L	4.6	308801.49	12.6011	Pulse	0.1000	3
Al	27	72	He	1.853	ug/L	272.2	56.67	0.0023	Pulse	0.1000	3
K	39	72	He	8639.351	ppb	2.9	113733.29	4.6388	Pulse	0.1000	3
Ca	44	72	He	60401.216	ppb	3.1	51621.69	2.1057	Pulse	0.1000	3
Ti	47	159	He	-0.442	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.210	ppb	50.3	193.33	0.0079	Pulse	0.5000	3
Cr	52	45	He	-0.113	ppb	N/A	420.02	0.0390	Pulse	0.1000	3
Mn	55	45	He	591.916	ppb	1.4	111642.27	10.3608	Pulse	0.1000	3
Fe	57	72	He	22308.870	ppb	3.6	242359.36	9.8869	Pulse	0.1000	3
Co	59	72	He	0.343	ppb	12.0	536.70	0.0219	Pulse	0.1000	3
Ni	60	72	He	0.206	ppb	64.0	223.34	0.0091	Pulse	0.1000	3
Cu	63	72	He	0.763	ppb	15.1	940.07	0.0383	Pulse	0.1000	3
Zn	66	72	He	23.185	ppb	8.1	2250.26	0.0919	Pulse	0.1000	3
As	75	45	He	242.728	ppb	2.3	13181.67	1.2235	Pulse	0.5000	3
Sr	88	159	He	374.822	ppb	1.6	88544.71	0.5139	Pulse	0.1000	3
Mo	98	159	He	2.161	ppb	8.6	2006.90	0.0116	Pulse	0.1000	3
Ag	107	159	He	-0.001	ppb	N/A	26.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.000	ppb	2951.9	3.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.343	ppb	N/A	1643.49	0.0095	Pulse	0.1000	3
Sb	121	159	He	0.399	ppb	22.6	190.01	0.0011	Pulse	0.1000	3
Ba	137	159	He	326.976	ppb	0.3	50954.95	0.2957	Pulse	0.1000	3
Tl	205	159	He	-0.026	ppb	N/A	96.67	0.0006	Pulse	0.1000	3
Pb	208	159	He	0.610	ppb	4.7	2477.01	0.0144	Pulse	0.1000	3
U	238	209	He	0.013	ppb	64.1	286.68	0.0022	Pulse	0.1000	3

ISTD Table:

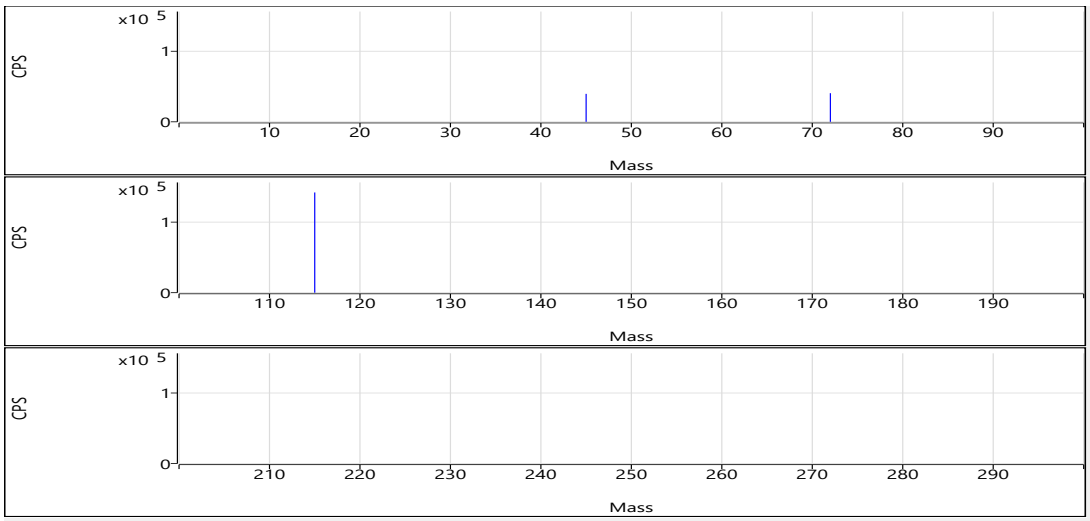
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1008369.18	0.3	96.5	Analog	0.1000	3
No Gas	Ge	72	581733.18	0.2	96.7	Pulse	0.1000	3
H2	Sc	45	39713.28	2.8	94.0	Pulse	0.1000	3
H2	Ge	72	40640.45	2.1	92.6	Pulse	0.1000	3
H2	In	115	142377.66	0.5	94.5	Pulse	0.1000	3
He	Sc	45	10777.83	2.6	94.4	Pulse	0.1000	3
He	Ge	72	24535.74	3.9	96.9	Pulse	0.1000	3
He	In	115	26379.87	1.2	96.6	Pulse	0.1000	3
He	Tb	159	172304.23	0.6	97.7	Pulse	0.1000	3
He	Bi	209	133521.86	2.9	99.0	Pulse	0.1000	3

No Gas

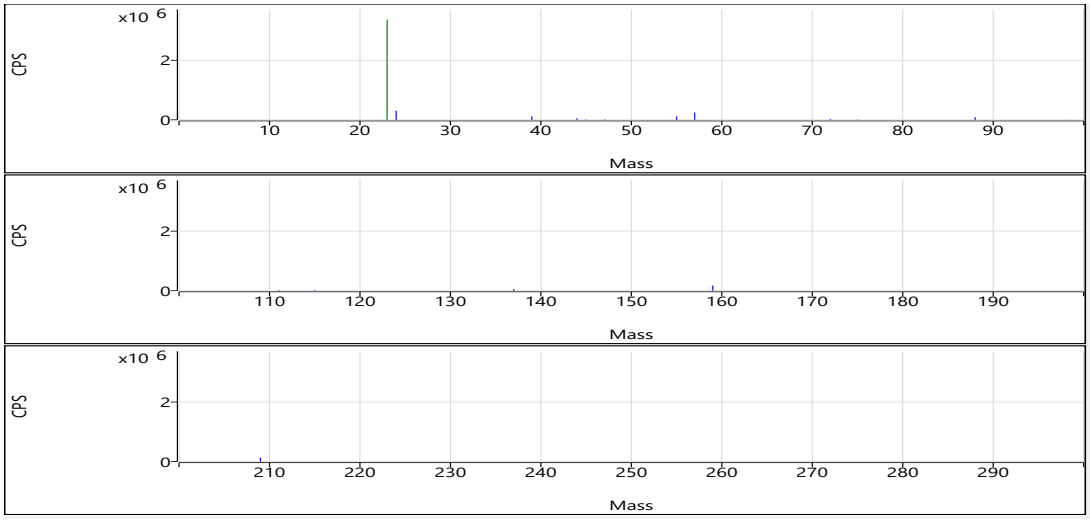


H2



Quantitation Report

He



Quantitation Report

Data File Name	227SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:13:03 AM
Sample Name	410-234860-N-1-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

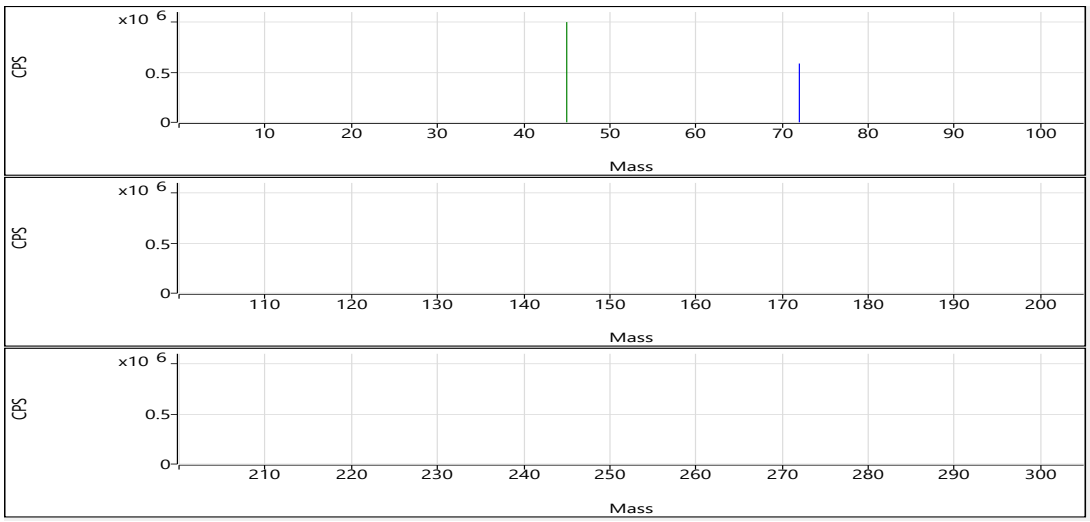
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.010	ug/L	N/A	20.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.049	ppb	N/A	0.89	0.0000	Pulse	1.5000	3
Na	23	72	He	291.670	ug/L	5.3	18422.47	0.7527	Pulse	0.1000	3
Mg	24	72	He	40.063	ug/L	8.7	1066.75	0.0436	Pulse	0.1000	3
Al	27	72	He	11.036	ug/L	75.3	113.34	0.0047	Pulse	0.1000	3
K	39	72	He	14.525	ppb	33.0	2143.57	0.0876	Pulse	0.1000	3
Ca	44	72	He	212.949	ppb	41.3	203.34	0.0083	Pulse	0.1000	3
Ti	47	159	He	-0.439	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.062	ppb	32.4	136.67	0.0056	Pulse	0.5000	3
Cr	52	45	He	-0.148	ppb	N/A	413.36	0.0374	Pulse	0.1000	3
Mn	55	45	He	0.273	ppb	101.7	103.34	0.0094	Pulse	0.1000	3
Fe	57	72	He	4.901	ppb	4.2	140.01	0.0057	Pulse	0.1000	3
Co	59	72	He	-0.024	ppb	N/A	76.67	0.0031	Pulse	0.1000	3
Ni	60	72	He	0.035	ppb	498.0	160.01	0.0066	Pulse	0.1000	3
Cu	63	72	He	0.225	ppb	4.9	366.69	0.0150	Pulse	0.1000	3
Zn	66	72	He	0.544	ppb	66.2	100.00	0.0041	Pulse	0.1000	3
As	75	45	He	0.068	ppb	83.6	14.00	0.0013	Pulse	0.5000	3
Sr	88	159	He	-0.468	ppb	N/A	240.01	0.0014	Pulse	0.1000	3
Mo	98	159	He	-0.025	ppb	N/A	36.67	0.0002	Pulse	0.1000	3
Ag	107	159	He	-0.003	ppb	N/A	23.33	0.0001	Pulse	0.1000	3
Cd	111	159	He	-0.003	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.215	ppb	N/A	1723.51	0.0099	Pulse	0.1000	3
Sb	121	159	He	0.045	ppb	74.7	33.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	-2.525	ppb	N/A	450.02	0.0026	Pulse	0.1000	3
Tl	205	159	He	-0.026	ppb	N/A	96.67	0.0006	Pulse	0.1000	3
Pb	208	159	He	0.093	ppb	19.6	516.70	0.0030	Pulse	0.1000	3
U	238	209	He	-0.006	ppb	N/A	116.67	0.0008	Pulse	0.1000	3

ISTD Table:

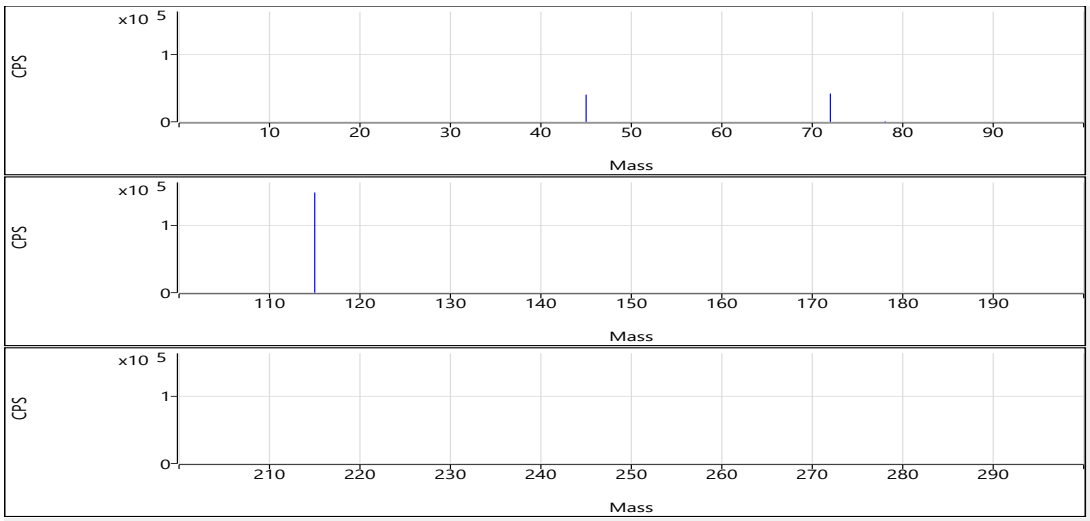
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1001253.48	0.5	95.8	Analog	0.1000	3
No Gas	Ge	72	587093.32	0.6	97.6	Pulse	0.1000	3
H2	Sc	45	40204.81	1.2	95.1	Pulse	0.1000	3
H2	Ge	72	41723.53	0.9	95.1	Pulse	0.1000	3
H2	In	115	148142.99	1.1	98.3	Pulse	0.1000	3
He	Sc	45	11037.97	3.1	96.6	Pulse	0.1000	3
He	Ge	72	24475.56	1.6	96.6	Pulse	0.1000	3
He	In	115	26590.17	2.2	97.4	Pulse	0.1000	3
He	Tb	159	173368.13	0.9	98.3	Pulse	0.1000	3
He	Bi	209	137330.69	2.3	101.8	Pulse	0.1000	3

No Gas

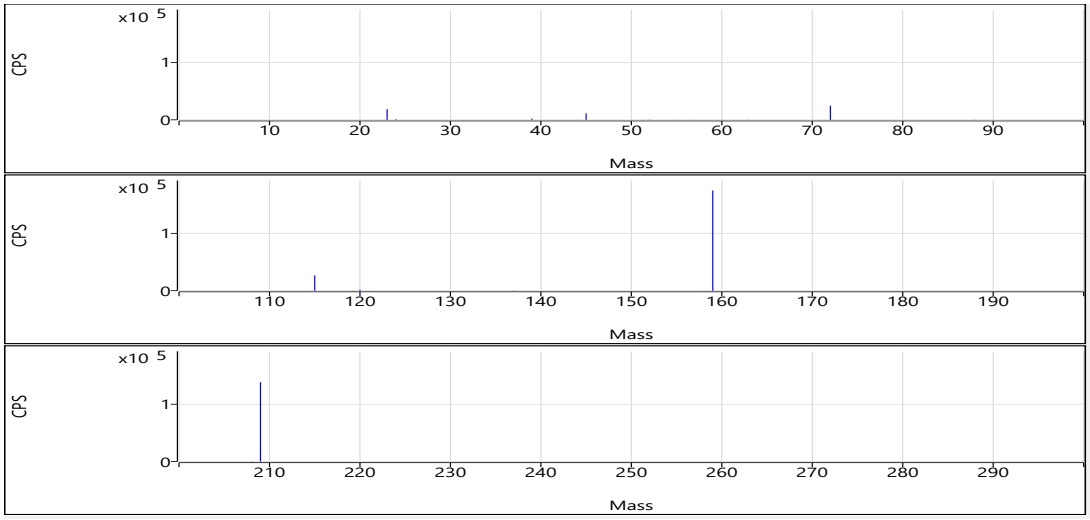


H2



Quantitation Report

He



Quantitation Report

Data File Name	228SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:15:03 AM
Sample Name	410-234860-N-3-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

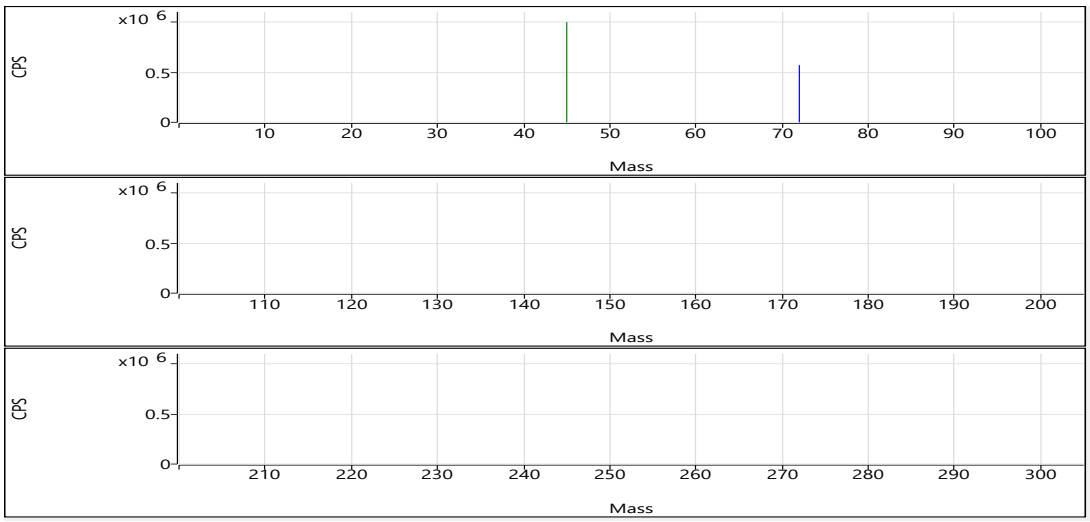
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.031	ug/L	N/A	9.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.105	ppb	25.1	4.67	0.0001	Pulse	1.5000	3
Na	23	72	He	114295.636	ug/L	1.5	4956723.36	207.6496	Analog	0.1000	3
Mg	24	72	He	21454.474	ug/L	1.3	476955.20	19.9805	Pulse	0.1000	3
Al	27	72	He	4.843	ug/L	80.5	73.33	0.0031	Pulse	0.1000	3
K	39	72	He	11578.877	ppb	1.3	147762.59	6.1899	Pulse	0.1000	3
Ca	44	72	He	94153.984	ppb	1.6	78340.30	3.2818	Pulse	0.1000	3
Ti	47	159	He	-0.435	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.526	ppb	17.0	307.34	0.0129	Pulse	0.5000	3
Cr	52	45	He	0.078	ppb	156.7	520.03	0.0479	Pulse	0.1000	3
Mn	55	45	He	382.914	ppb	2.3	72738.71	6.7041	Pulse	0.1000	3
Fe	57	72	He	11170.492	ppb	2.8	118198.54	4.9523	Pulse	0.1000	3
Co	59	72	He	0.109	ppb	14.4	236.68	0.0099	Pulse	0.1000	3
Ni	60	72	He	0.017	ppb	765.7	150.01	0.0063	Pulse	0.1000	3
Cu	63	72	He	0.488	ppb	5.0	630.04	0.0264	Pulse	0.1000	3
Zn	66	72	He	12.673	ppb	4.5	1220.10	0.0511	Pulse	0.1000	3
As	75	45	He	102.159	ppb	1.4	5593.83	0.5155	Pulse	0.5000	3
Sr	88	159	He	744.918	ppb	0.7	174365.12	1.0193	Pulse	0.1000	3
Mo	98	159	He	0.009	ppb	451.2	66.67	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.002	ppb	274.9	33.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.004	ppb	446.1	4.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	0.535	ppb	57.3	2113.57	0.0124	Pulse	0.1000	3
Sb	121	159	He	0.900	ppb	19.2	410.02	0.0024	Pulse	0.1000	3
Ba	137	159	He	234.552	ppb	3.3	36520.94	0.2135	Pulse	0.1000	3
Tl	205	159	He	-0.024	ppb	N/A	106.67	0.0006	Pulse	0.1000	3
Pb	208	159	He	3.151	ppb	1.7	12042.84	0.0704	Pulse	0.1000	3
U	238	209	He	0.002	ppb	151.9	176.68	0.0014	Pulse	0.1000	3

ISTD Table:

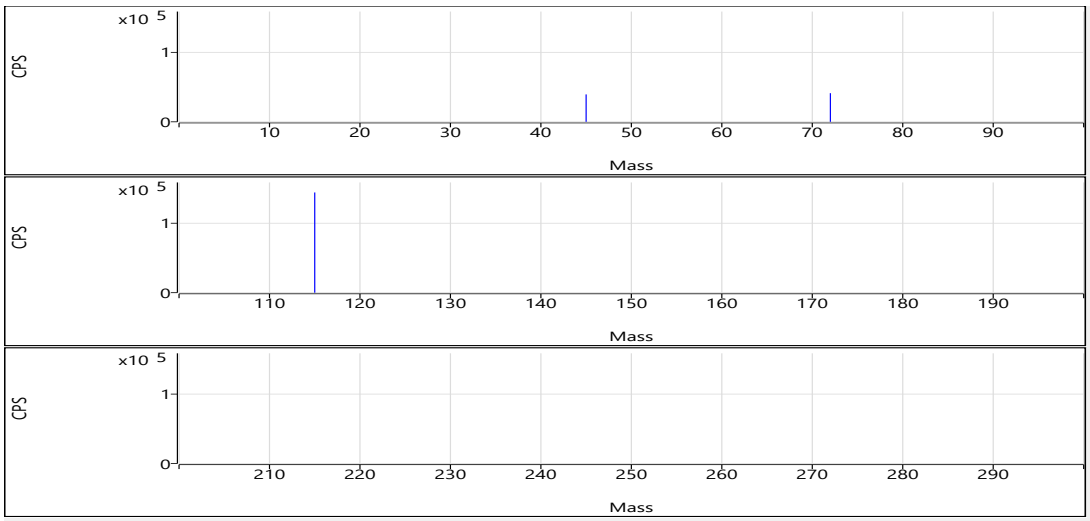
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1003542.56	0.3	96.0	Analog	0.1000	3
No Gas	Ge	72	572876.76	0.1	95.3	Pulse	0.1000	3
H2	Sc	45	39198.63	1.2	92.7	Pulse	0.1000	3
H2	Ge	72	40951.17	0.3	93.3	Pulse	0.1000	3
H2	In	115	143367.80	1.1	95.1	Pulse	0.1000	3
He	Sc	45	10854.55	2.8	95.0	Pulse	0.1000	3
He	Ge	72	23874.55	1.7	94.3	Pulse	0.1000	3
He	In	115	26085.93	1.7	95.6	Pulse	0.1000	3
He	Tb	159	171069.14	0.5	97.0	Pulse	0.1000	3
He	Bi	209	129395.98	1.3	95.9	Pulse	0.1000	3

No Gas

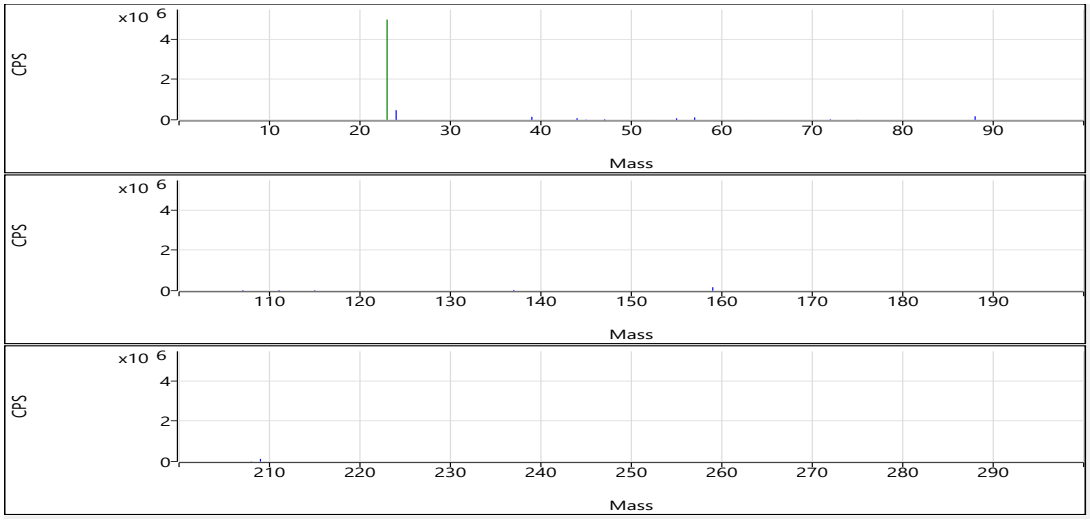


H2



Quantitation Report

He



Quantitation Report

Data File Name	230_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:19:05 AM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

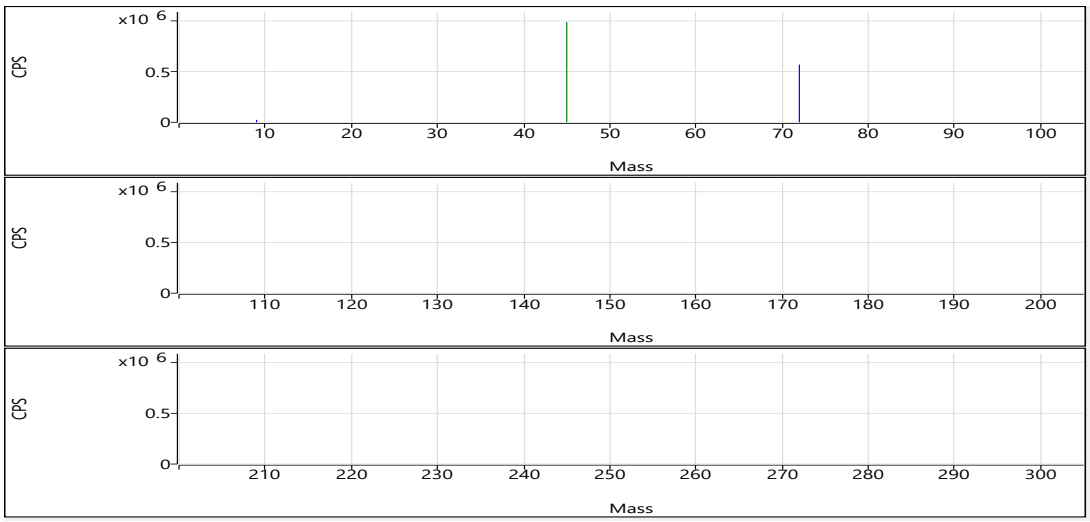
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.372	ug/L	2.2	24078.61	0.0244	Pulse	0.5000	3
Se	78	72	H2	50.195	ppb	4.3	1228.06	0.0304	Pulse	1.5000	3
Na	23	72	He	4956.182	ug/L	1.1	216056.46	9.2179	Pulse	0.1000	3
Mg	24	72	He	4921.366	ug/L	2.1	107528.39	4.5881	Pulse	0.1000	3
Al	27	72	He	5068.666	ug/L	2.6	30269.51	1.2916	Pulse	0.1000	3
K	39	72	He	4925.063	ppb	1.2	62786.40	2.6788	Pulse	0.1000	3
Ca	44	72	He	4776.972	ppb	3.5	3924.04	0.1674	Pulse	0.1000	3
Ti	47	159	He	4939.880	ppb	2.9	35438.86	0.2068	Pulse	0.1000	3
V	51	72	He	497.100	ppb	1.1	183121.05	7.8129	Pulse	0.5000	3
Cr	52	45	He	500.707	ppb	2.7	252600.07	23.3892	Pulse	0.1000	3
Mn	55	45	He	494.923	ppb	3.6	93554.76	8.6638	Pulse	0.1000	3
Fe	57	72	He	4910.896	ppb	1.2	51087.21	2.1792	Pulse	0.1000	3
Co	59	72	He	483.115	ppb	1.5	579827.73	24.7394	Pulse	0.1000	3
Ni	60	72	He	501.258	ppb	1.7	171715.64	7.3268	Pulse	0.1000	3
Cu	63	72	He	501.722	ppb	1.5	509210.05	21.7265	Pulse	0.1000	3
Zn	66	72	He	493.206	ppb	1.4	44879.82	1.9147	Pulse	0.1000	3
As	75	45	He	506.606	ppb	2.6	27567.34	2.5526	Pulse	0.5000	3
Sr	88	159	He	50.021	ppb	4.6	12052.34	0.0703	Pulse	0.1000	3
Mo	98	159	He	50.254	ppb	0.4	45118.89	0.2633	Pulse	0.1000	3
Ag	107	159	He	49.434	ppb	2.0	105542.59	0.6159	Pulse	0.1000	3
Cd	111	159	He	49.936	ppb	2.5	10226.56	0.0597	Pulse	0.5000	3
Sn	120	159	He	48.131	ppb	1.6	28250.45	0.1648	Pulse	0.1000	3
Sb	121	159	He	47.776	ppb	4.2	21113.79	0.1232	Pulse	0.1000	3
Ba	137	159	He	488.178	ppb	0.5	75255.91	0.4391	Pulse	0.1000	3
Tl	205	159	He	49.757	ppb	1.7	270086.08	1.5761	Pulse	0.1000	3
Pb	208	159	He	49.927	ppb	2.1	188798.71	1.1017	Pulse	0.1000	3
U	238	209	He	50.003	ppb	0.7	439916.69	3.3233	Pulse	0.1000	3

ISTD Table:

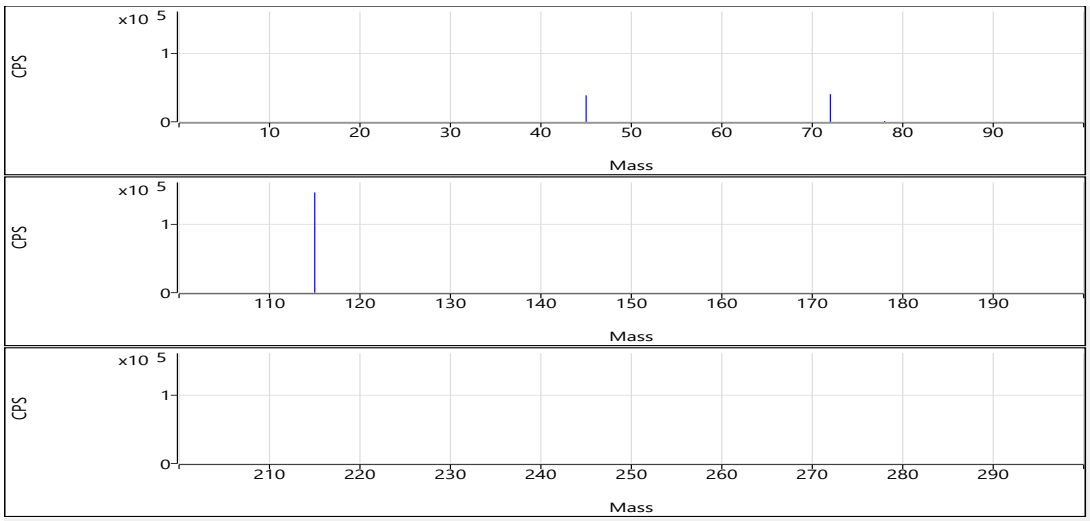
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	987208.09	0.2	94.4	Analog	0.1000	3
No Gas	Ge	72	568404.46	0.9	94.5	Pulse	0.1000	3
H2	Sc	45	38764.01	0.8	91.7	Pulse	0.1000	3
H2	Ge	72	40486.62	2.9	92.3	Pulse	0.1000	3
H2	In	115	146643.81	0.5	97.3	Pulse	0.1000	3
He	Sc	45	10804.46	2.5	94.6	Pulse	0.1000	3
He	Ge	72	23440.59	1.5	92.5	Pulse	0.1000	3
He	In	115	26239.50	1.4	96.1	Pulse	0.1000	3
He	Tb	159	171369.43	0.3	97.2	Pulse	0.1000	3
He	Bi	209	132386.21	2.0	98.2	Pulse	0.1000	3

No Gas

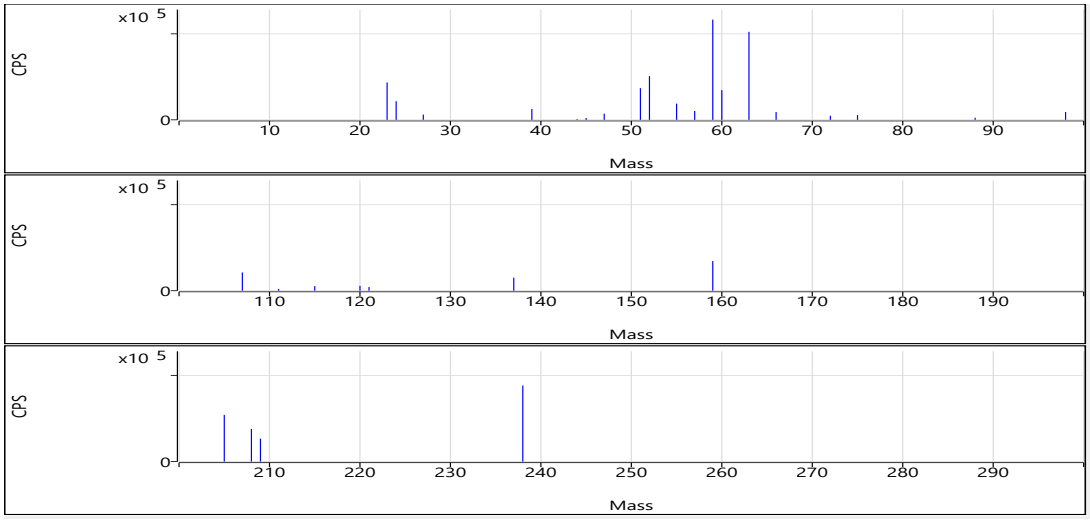


H2



Quantitation Report

He



Quantitation Report

Data File Name	232_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:23:05 AM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

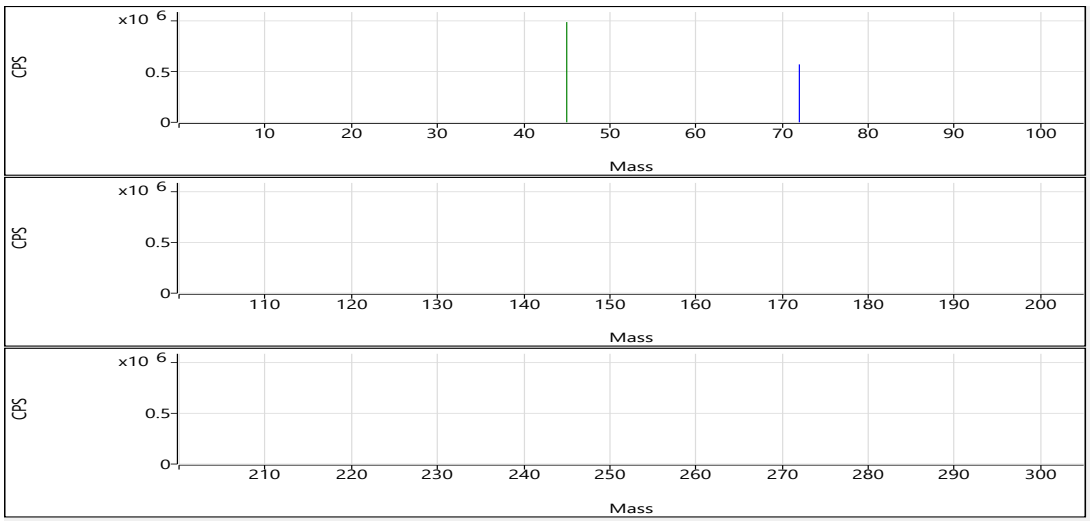
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.021	ug/L	N/A	14.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.066	ppb	N/A	0.45	0.0000	Pulse	1.5000	3
Na	23	72	He	-1.761	ug/L	N/A	5221.11	0.2201	Pulse	0.1000	3
Mg	24	72	He	4.556	ug/L	41.3	250.01	0.0106	Pulse	0.1000	3
Al	27	72	He	-3.367	ug/L	N/A	23.33	0.0010	Pulse	0.1000	3
K	39	72	He	16.965	ppb	13.3	2110.24	0.0888	Pulse	0.1000	3
Ca	44	72	He	42.352	ppb	46.3	56.67	0.0024	Pulse	0.1000	3
Ti	47	159	He	1.872	ppb	127.8	20.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.091	ppb	72.2	142.67	0.0060	Pulse	0.5000	3
Cr	52	45	He	0.020	ppb	495.1	493.36	0.0452	Pulse	0.1000	3
Mn	55	45	He	0.349	ppb	45.9	116.67	0.0107	Pulse	0.1000	3
Fe	57	72	He	2.706	ppb	135.1	113.34	0.0047	Pulse	0.1000	3
Co	59	72	He	-0.019	ppb	N/A	80.00	0.0034	Pulse	0.1000	3
Ni	60	72	He	-0.033	ppb	N/A	133.34	0.0056	Pulse	0.1000	3
Cu	63	72	He	0.089	ppb	42.8	216.68	0.0091	Pulse	0.1000	3
Zn	66	72	He	-0.218	ppb	N/A	26.67	0.0011	Pulse	0.1000	3
As	75	45	He	-0.097	ppb	N/A	4.67	0.0004	Pulse	0.5000	3
Sr	88	159	He	-0.557	ppb	N/A	216.68	0.0013	Pulse	0.1000	3
Mo	98	159	He	-0.013	ppb	N/A	46.67	0.0003	Pulse	0.1000	3
Ag	107	159	He	-0.004	ppb	N/A	20.00	0.0001	Pulse	0.1000	3
Cd	111	159	He	-0.003	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.068	ppb	N/A	1790.19	0.0104	Pulse	0.1000	3
Sb	121	159	He	0.046	ppb	28.5	33.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	-3.544	ppb	N/A	290.01	0.0017	Pulse	0.1000	3
Tl	205	159	He	-0.031	ppb	N/A	70.00	0.0004	Pulse	0.1000	3
Pb	208	159	He	0.036	ppb	41.8	296.68	0.0017	Pulse	0.1000	3
U	238	209	He	0.006	ppb	63.4	216.68	0.0016	Pulse	0.1000	3

ISTD Table:

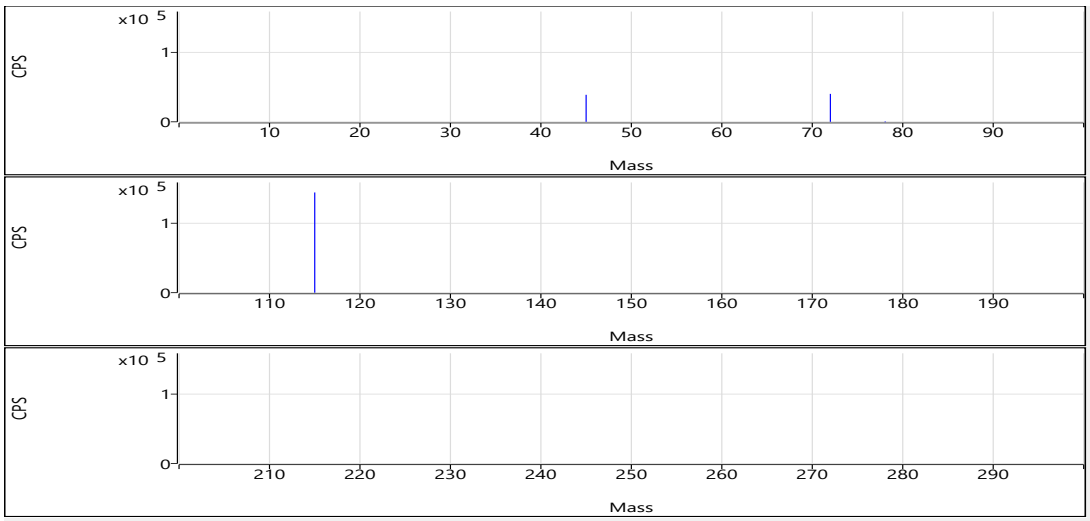
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	985252.17	0.3	94.3	Analog	0.1000	3
No Gas	Ge	72	569308.29	0.7	94.7	Pulse	0.1000	3
H2	Sc	45	39195.10	1.9	92.7	Pulse	0.1000	3
H2	Ge	72	40543.28	2.6	92.4	Pulse	0.1000	3
H2	In	115	145439.73	1.0	96.5	Pulse	0.1000	3
He	Sc	45	10911.21	2.6	95.5	Pulse	0.1000	3
He	Ge	72	23747.59	3.0	93.8	Pulse	0.1000	3
He	In	115	26723.82	1.5	97.9	Pulse	0.1000	3
He	Tb	159	171780.82	0.5	97.4	Pulse	0.1000	3
He	Bi	209	132793.53	0.4	98.5	Pulse	0.1000	3

No Gas

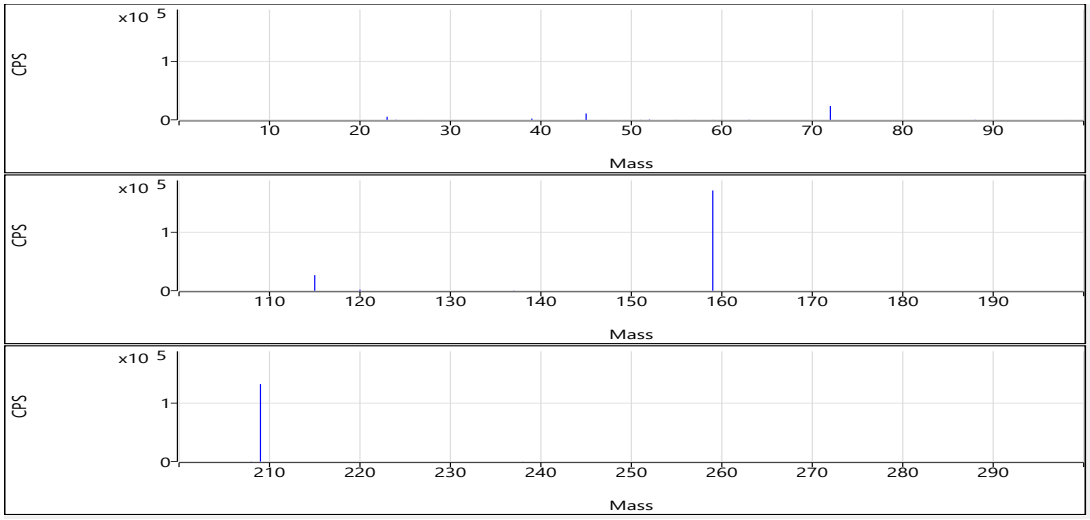


H2



Quantitation Report

He



Quantitation Report

Data File Name	233SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:25:05 AM
Sample Name	410-234877-AD-1-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

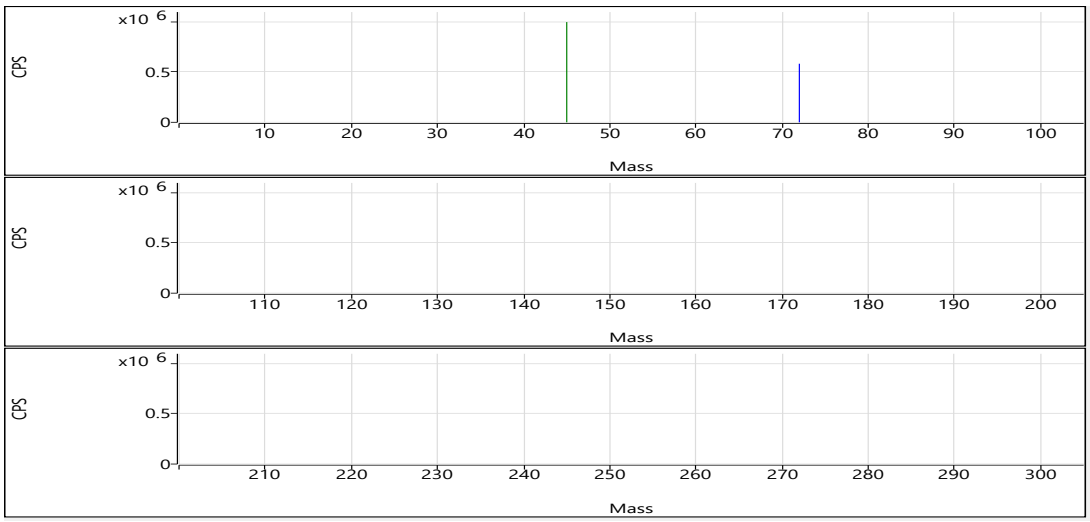
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.018	ug/L	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.010	ppb	N/A	1.78	0.0000	Pulse	1.5000	3
Na	23	72	He	760673.350	ug/L	1.7	31842995.36	1,380.7105	Analog	0.1000	3
Mg	24	72	He	11024.787	ug/L	0.9	236881.85	10.2704	Pulse	0.1000	3
Al	27	72	He	97.813	ug/L	8.5	616.70	0.0267	Pulse	0.1000	3
K	39	72	He	3247.752	ppb	3.1	41364.52	1.7937	Pulse	0.1000	3
Ca	44	72	He	398370.560	ppb	2.4	320143.18	13.8825	Pulse	0.1000	3
Ti	47	159	He	9.030	ppb	15.8	70.00	0.0004	Pulse	0.1000	3
V	51	72	He	3.138	ppb	4.9	1242.73	0.0539	Pulse	0.5000	3
Cr	52	45	He	664.382	ppb	1.5	334202.23	31.0204	Pulse	0.1000	3
Mn	55	45	He	2710.670	ppb	1.4	511001.74	47.4306	Pulse	0.1000	3
Fe	57	72	He	304582.753	ppb	1.9	3112019.43	134.9407	Analog	0.1000	3
Co	59	72	He	2.923	ppb	6.0	3553.91	0.1540	Pulse	0.1000	3
Ni	60	72	He	26.229	ppb	3.3	8973.19	0.3891	Pulse	0.1000	3
Cu	63	72	He	40.053	ppb	3.1	40108.33	1.7393	Pulse	0.1000	3
Zn	66	72	He	293.770	ppb	2.3	26318.91	1.1413	Pulse	0.1000	3
As	75	45	He	2.065	ppb	5.7	122.00	0.0113	Pulse	0.5000	3
Sr	88	159	He	64674.782	ppb	2.0	14868833.95	88.3226	Analog	0.1000	3
Mo	98	159	He	43.587	ppb	1.7	38451.55	0.2284	Pulse	0.1000	3
Ag	107	159	He	0.229	ppb	14.1	510.03	0.0030	Pulse	0.1000	3
Cd	111	159	He	0.024	ppb	42.5	8.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	1.716	ppb	18.0	2717.04	0.0161	Pulse	0.1000	3
Sb	121	159	He	0.424	ppb	21.2	196.68	0.0012	Pulse	0.1000	3
Ba	137	159	He	258569.622	ppb	1.8	38726361.92	230.0367	Analog	0.1000	3
Tl	205	159	He	-0.028	ppb	N/A	83.33	0.0005	Pulse	0.1000	3
Pb	208	159	He	0.942	ppb	11.1	3650.67	0.0217	Pulse	0.1000	3
U	238	209	He	0.037	ppb	3.1	460.02	0.0037	Pulse	0.1000	3

ISTD Table:

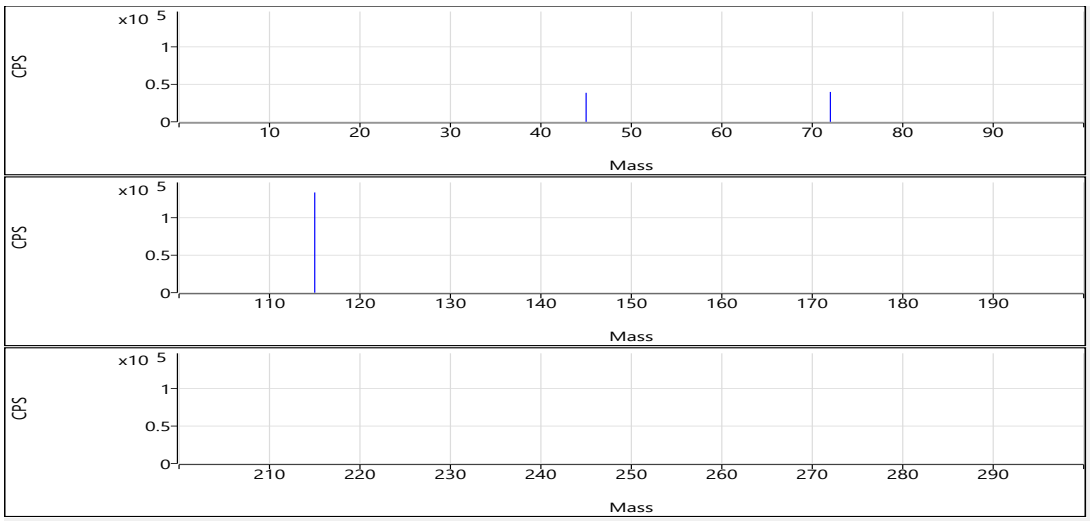
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	997103.68	0.5	95.4	Analog	0.1000	3
No Gas	Ge	72	582698.96	0.8	96.9	Pulse	0.1000	3
H2	Sc	45	38894.40	1.5	92.0	Pulse	0.1000	3
H2	Ge	72	40045.25	1.6	91.3	Pulse	0.1000	3
H2	In	115	134336.28	0.7	89.1	Pulse	0.1000	3
He	Sc	45	10774.50	0.9	94.3	Pulse	0.1000	3
He	Ge	72	23066.55	1.5	91.1	Pulse	0.1000	3
He	In	115	24730.11	2.3	90.6	Pulse	0.1000	3
He	Tb	159	168365.26	0.8	95.5	Pulse	0.1000	3
He	Bi	209	124716.12	1.4	92.5	Pulse	0.1000	3

No Gas

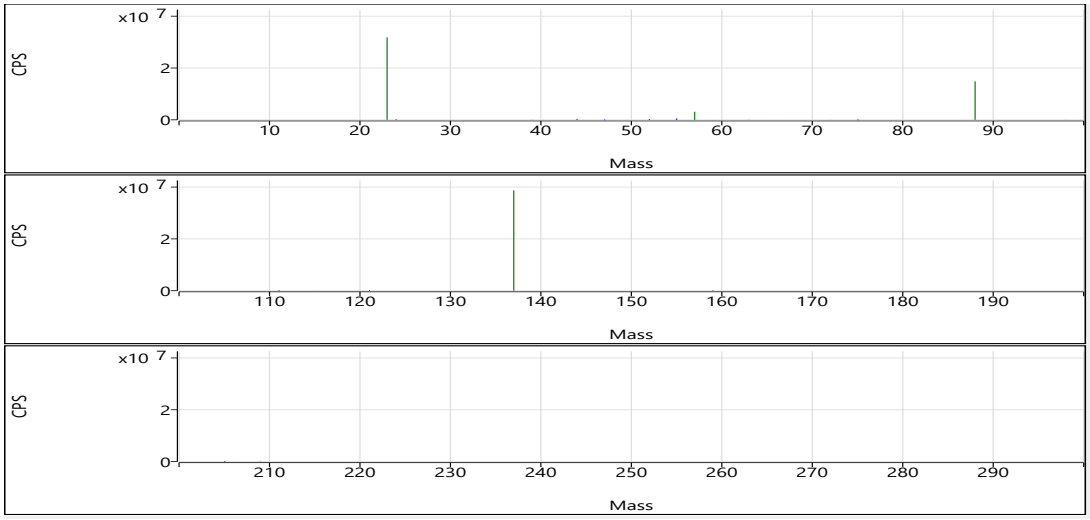


H2



Quantitation Report

He



Quantitation Report

Data File Name	235_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:29:05 AM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

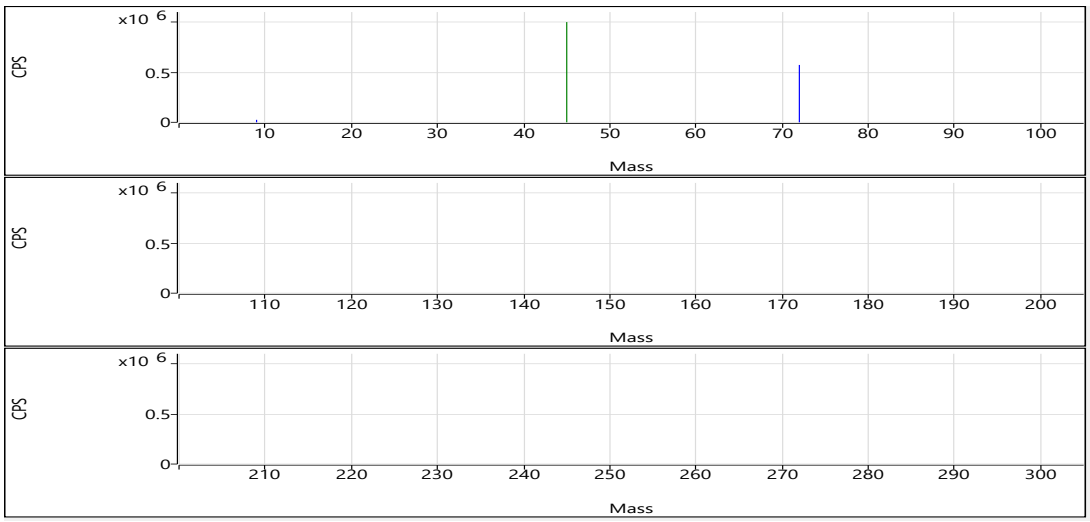
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.700	ug/L	1.0	24543.43	0.0246	Pulse	0.5000	3
Se	78	72	H2	50.845	ppb	4.4	1237.17	0.0307	Pulse	1.5000	3
Na	23	72	He	4825.296	ug/L	1.3	220644.07	8.9804	Pulse	0.1000	3
Mg	24	72	He	4806.930	ug/L	1.0	110114.33	4.4816	Pulse	0.1000	3
Al	27	72	He	4737.862	ug/L	3.5	29661.48	1.2075	Pulse	0.1000	3
K	39	72	He	4798.273	ppb	3.3	64162.16	2.6119	Pulse	0.1000	3
Ca	44	72	He	4727.387	ppb	3.4	4070.72	0.1657	Pulse	0.1000	3
Ti	47	159	He	4975.721	ppb	0.6	36401.10	0.2083	Pulse	0.1000	3
V	51	72	He	485.372	ppb	1.9	187424.49	7.6287	Pulse	0.5000	3
Cr	52	45	He	501.375	ppb	1.3	259834.98	23.4204	Pulse	0.1000	3
Mn	55	45	He	496.965	ppb	0.2	96517.68	8.6995	Pulse	0.1000	3
Fe	57	72	He	4817.882	ppb	1.2	52532.73	2.1380	Pulse	0.1000	3
Co	59	72	He	466.600	ppb	1.5	587061.58	23.8939	Pulse	0.1000	3
Ni	60	72	He	488.721	ppb	2.3	175506.33	7.1437	Pulse	0.1000	3
Cu	63	72	He	489.579	ppb	1.0	520910.09	21.2008	Pulse	0.1000	3
Zn	66	72	He	477.779	ppb	1.6	45571.93	1.8549	Pulse	0.1000	3
As	75	45	He	509.663	ppb	0.3	28490.51	2.5680	Pulse	0.5000	3
Sr	88	159	He	50.540	ppb	4.9	12412.73	0.0710	Pulse	0.1000	3
Mo	98	159	He	49.224	ppb	2.0	45065.25	0.2579	Pulse	0.1000	3
Ag	107	159	He	50.453	ppb	1.1	109839.38	0.6286	Pulse	0.1000	3
Cd	111	159	He	49.329	ppb	1.5	10301.29	0.0590	Pulse	0.5000	3
Sn	120	159	He	49.716	ppb	1.2	29693.45	0.1699	Pulse	0.1000	3
Sb	121	159	He	48.478	ppb	1.9	21845.12	0.1250	Pulse	0.1000	3
Ba	137	159	He	501.313	ppb	1.2	78779.67	0.4508	Pulse	0.1000	3
Tl	205	159	He	50.706	ppb	1.7	280649.58	1.6061	Pulse	0.1000	3
Pb	208	159	He	51.277	ppb	0.6	197720.74	1.1315	Pulse	0.1000	3
U	238	209	He	50.110	ppb	0.6	453825.07	3.3303	Pulse	0.1000	3

ISTD Table:

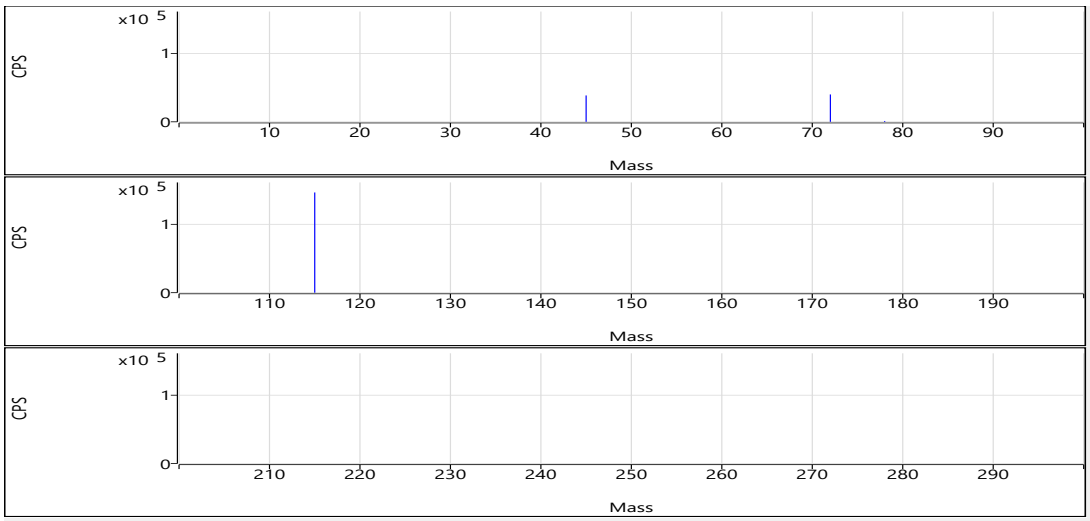
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	999527.30	0.8	95.6	Analog	0.1000	3
No Gas	Ge	72	571988.57	0.6	95.1	Pulse	0.1000	3
H2	Sc	45	38783.95	1.0	91.8	Pulse	0.1000	3
H2	Ge	72	40252.50	1.8	91.8	Pulse	0.1000	3
H2	In	115	147438.09	0.4	97.8	Pulse	0.1000	3
He	Sc	45	11094.78	1.0	97.1	Pulse	0.1000	3
He	Ge	72	24572.35	1.3	97.0	Pulse	0.1000	3
He	In	115	27859.56	1.5	102.1	Pulse	0.1000	3
He	Tb	159	174743.31	0.3	99.1	Pulse	0.1000	3
He	Bi	209	136269.90	0.3	101.0	Pulse	0.1000	3

No Gas

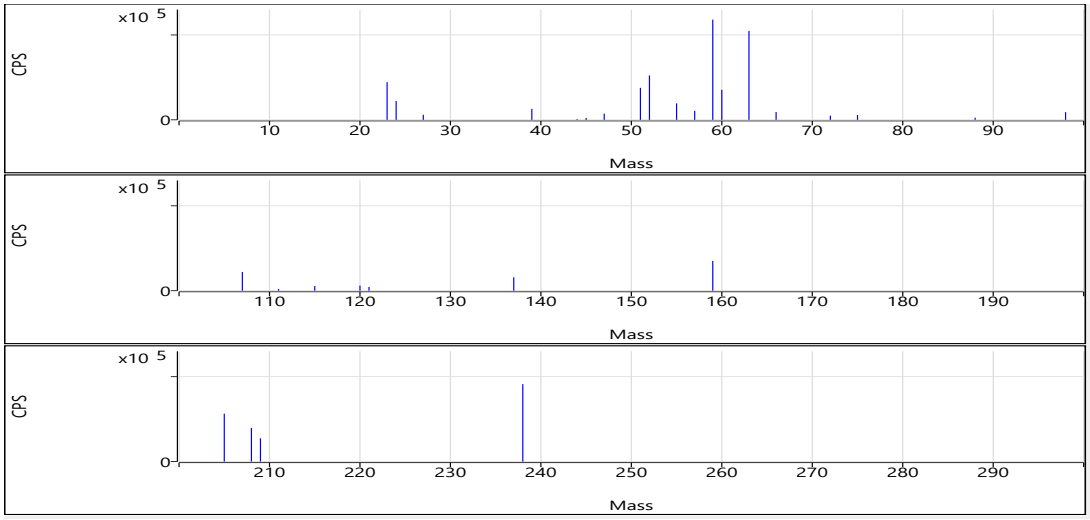


H2



Quantitation Report

He



Quantitation Report

Data File Name	237_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:33:05 AM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

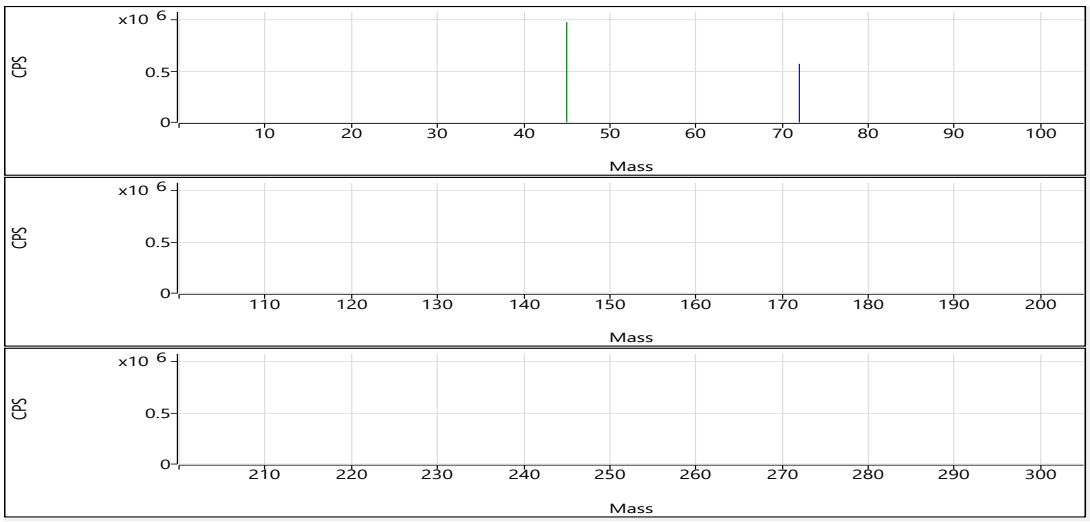
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.011	ug/L	N/A	18.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.006	ppb	1033.8	2.22	0.0001	Pulse	1.5000	3
Na	23	72	He	12.333	ug/L	15.3	5818.05	0.2457	Pulse	0.1000	3
Mg	24	72	He	4.101	ug/L	8.9	240.01	0.0101	Pulse	0.1000	3
Al	27	72	He	-0.054	ug/L	N/A	43.33	0.0018	Pulse	0.1000	3
K	39	72	He	-2.141	ppb	N/A	1863.52	0.0788	Pulse	0.1000	3
Ca	44	72	He	50.049	ppb	123.3	63.33	0.0027	Pulse	0.1000	3
Ti	47	159	He	0.465	ppb	6.2	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.037	ppb	41.2	122.67	0.0052	Pulse	0.5000	3
Cr	52	45	He	-0.104	ppb	N/A	410.02	0.0394	Pulse	0.1000	3
Mn	55	45	He	0.288	ppb	37.8	100.00	0.0096	Pulse	0.1000	3
Fe	57	72	He	4.353	ppb	107.4	130.00	0.0055	Pulse	0.1000	3
Co	59	72	He	-0.022	ppb	N/A	76.67	0.0032	Pulse	0.1000	3
Ni	60	72	He	0.001	ppb	24656.9	143.34	0.0061	Pulse	0.1000	3
Cu	63	72	He	0.155	ppb	5.4	283.35	0.0120	Pulse	0.1000	3
Zn	66	72	He	-0.291	ppb	N/A	20.00	0.0008	Pulse	0.1000	3
As	75	45	He	0.033	ppb	287.4	11.33	0.0011	Pulse	0.5000	3
Sr	88	159	He	-0.437	ppb	N/A	250.01	0.0014	Pulse	0.1000	3
Mo	98	159	He	-0.010	ppb	N/A	50.00	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.006	ppb	85.9	43.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.009	ppb	N/A	1.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.069	ppb	N/A	1820.20	0.0104	Pulse	0.1000	3
Sb	121	159	He	0.044	ppb	125.3	33.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	-2.122	ppb	N/A	516.70	0.0030	Pulse	0.1000	3
Tl	205	159	He	-0.018	ppb	N/A	140.01	0.0008	Pulse	0.1000	3
Pb	208	159	He	0.060	ppb	23.0	393.36	0.0023	Pulse	0.1000	3
U	238	209	He	0.001	ppb	436.7	183.34	0.0013	Pulse	0.1000	3

ISTD Table:

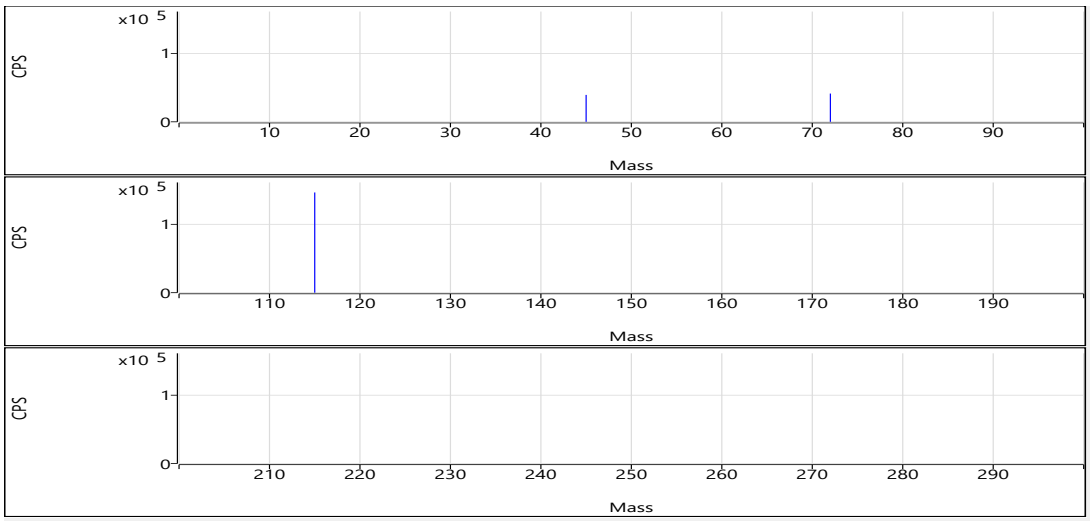
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	978549.13	0.4	93.6	Analog	0.1000	3
No Gas	Ge	72	570913.33	0.4	94.9	Pulse	0.1000	3
H2	Sc	45	39061.66	1.0	92.4	Pulse	0.1000	3
H2	Ge	72	41014.85	0.8	93.5	Pulse	0.1000	3
H2	In	115	145497.12	0.5	96.5	Pulse	0.1000	3
He	Sc	45	10410.84	0.7	91.2	Pulse	0.1000	3
He	Ge	72	23677.54	1.1	93.5	Pulse	0.1000	3
He	In	115	26546.92	2.4	97.3	Pulse	0.1000	3
He	Tb	159	174712.96	2.1	99.1	Pulse	0.1000	3
He	Bi	209	136694.81	2.6	101.4	Pulse	0.1000	3

No Gas

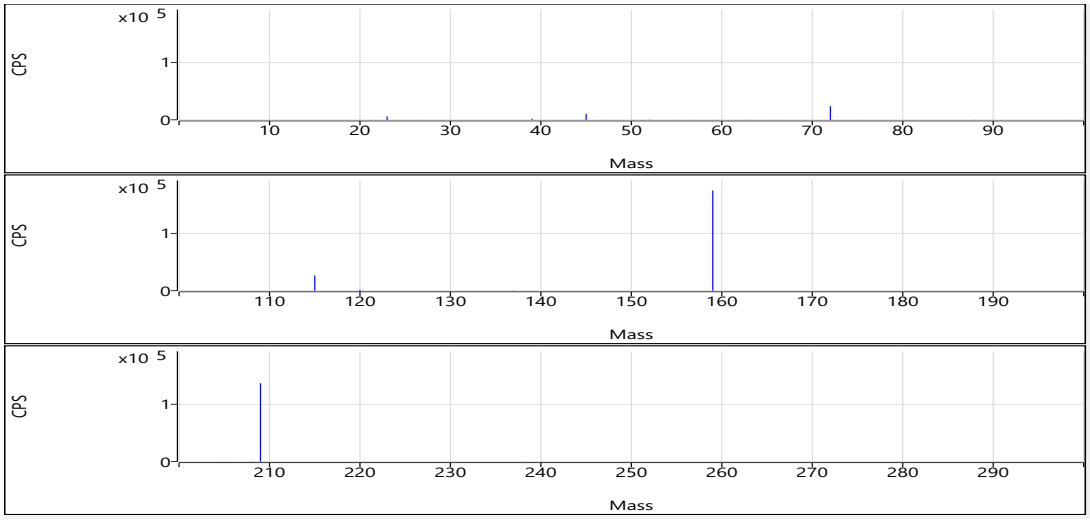


H2



Quantitation Report

He



EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL (ELLE), Mercury RAW Data Report

Please note that this is raw data as received from the instrument, which does not account for weights, volumes, and dilution factors.

Sample ID	Average Intensity	%R	%RE	Average Conc.	Conc. Units	Sample Type	SLOPE	INTERCEPT	CORR COEFF	Curve Type	Flags	INSTR	Time Stamp	Ele
Calibration Blank	-28.164	NA	NA	0	ug/L	Standard	8844.963913	-59.43866691	0.999489479	Linear		M10	8/12/2025 15:53	Hg
Standard #1 (0.2 ug/L)	1902.2	89.87%	-10.13%	0.2	ug/L	Standard	8844.963913	-59.43866691	0.999489479	Linear		M10	8/12/2025 15:55	Hg
Standard #2 (0.5 ug/L)	4320.3	100.99%	0.99%	0.5	ug/L	Standard	8844.963913	-59.43866691	0.999489479	Linear		M10	8/12/2025 15:57	Hg
Standard #3 (1.0 ug/L)	9022.7	97.37%	-2.63%	1	ug/L	Standard	8844.963913	-59.43866691	0.999489479	Linear		M10	8/12/2025 15:59	Hg
Standard #4 (2.5 ug/L)	21318	103.45%	3.45%	2.5	ug/L	Standard	8844.963913	-59.43866691	0.999489479	Linear		M10	8/12/2025 16:01	Hg
Standard #5 (5.0 ug/L)	44482	99.29%	-0.71%	5	ug/L	Standard	8844.963913	-59.43866691	0.999489479	Linear		M10	8/12/2025 16:03	Hg
ICV	22681			2.571	ug/L	ICV	8844.963913	-59.43866691	0.999489479	Linear		M10	8/12/2025 16:05	Hg
ICB	-27.369			0.004	ug/L	ICB	8844.963913	-59.43866691	0.999489479	Linear		M10	8/12/2025 16:06	Hg
CRA	1870.9			0.218	ug/L	IPR	8844.963913	-59.43866691	0.999489479	Linear		M10	8/12/2025 16:08	Hg
CCV	8915.7			1.015	ug/L	CCV	8844.963913	-59.43866691	0.999489479	Linear		M10	8/12/2025 16:10	Hg
CCB	110.27			0.019	ug/L	CCB	8844.963913	-59.43866691	0.999489479	Linear		M10	8/12/2025 16:12	Hg
MB 410-682497/1-A	-26.939			0.004	ug/L	Unknown	8844.963913	-59.43866691	0.999489479	Linear		M10	8/12/2025 16:14	Hg
LCS 410-682497/2-A	-43.644			0.002	ug/L	Unknown	8844.963913	-59.43866691	0.999489479	Linear		M10	8/12/2025 16:16	Hg
410-234748-F-1-F	-42.318			0.002	ug/L	Unknown	8844.963913	-59.43866691	0.999489479	Linear		M10	8/12/2025 16:18	Hg
410-234748-F-1-G DU	-34.271			0.003	ug/L	Unknown	8844.963913	-59.43866691	0.999489479	Linear		M10	8/12/2025 16:20	Hg
410-234748-F-1-H MS	7582.6			0.864	ug/L	Unknown	8844.963913	-59.43866691	0.999489479	Linear		M10	8/12/2025 16:22	Hg
410-234748-F-1-I MSD	7851.9			0.894	ug/L	Unknown	8844.963913	-59.43866691	0.999489479	Linear		M10	8/12/2025 16:23	Hg
LB 410-679797/1-C	-69.32			-0.001	ug/L	Unknown	8844.963913	-59.43866691	0.999489479	Linear		M10	8/12/2025 16:25	Hg
MB 410-683169/1-A	48.852			0.012	ug/L	Unknown	8844.963913	-59.43866691	0.999489479	Linear		M10	8/12/2025 16:27	Hg
LCS 410-683169/2-A	9230.6			1.05	ug/L	Unknown	8844.963913	-59.43866691	0.999489479	Linear		M10	8/12/2025 16:29	Hg
410-235808-A-1-Y	-25.605			0.004	ug/L	Unknown	8844.963913	-59.43866691	0.999489479	Linear		M10	8/12/2025 16:31	Hg
CCV	8901			1.013	ug/L	CCV							8/12/2025 16:33	
CCB	85.245			0.016	ug/L	CCB							8/12/2025 16:35	
410-235808-A-1-Z DU	22.677			0.009	ug/L	Unknown							8/12/2025 16:37	
410-235808-A-1-AA MS	13999			1.589	ug/L	Unknown							8/12/2025 16:39	
410-235808-A-1-AB MSD	14299			1.623	ug/L	Unknown							8/12/2025 16:40	
LB 410-682145/1-F	4			0.007	ug/L	Unknown							8/12/2025 16:42	
410-235808-A-2-I	18.283			0.009	ug/L	Unknown							8/12/2025 16:44	
410-235808-D-3-H	29.999			0.01	ug/L	Unknown							8/12/2025 16:46	
400-280094-C-1-C	46.947			0.012	ug/L	Unknown							8/12/2025 16:48	
LB 410-682887/1-C	80.142			0.016	ug/L	Unknown							8/12/2025 16:50	
LB 410-682771/1-E	39.454			0.011	ug/L	Unknown							8/12/2025 16:52	
320-123997-F-1-E	59.205			0.013	ug/L	Unknown							8/12/2025 16:54	
CCV	8794.7			1.001	ug/L	CCV							8/12/2025 16:56	
CCB	93.472			0.017	ug/L	CCB							8/12/2025 16:57	
320-123997-F-2-E	75.821			0.015	ug/L	Unknown							8/12/2025 16:59	
320-123997-F-3-E	73.651			0.015	ug/L	Unknown							8/12/2025 17:01	
320-123998-F-1-E	41.394			0.011	ug/L	Unknown							8/12/2025 17:03	
320-123998-F-2-E	50.82			0.012	ug/L	Unknown							8/12/2025 17:05	
580-152919-S-1-D	33.74			0.011	ug/L	Unknown							8/12/2025 17:07	
580-152924-S-3-D	30.716			0.01	ug/L	Unknown							8/12/2025 17:09	
580-152924-S-11-D	66.287			0.014	ug/L	Unknown							8/12/2025 17:11	
580-152919-S-2-D	19.936			0.009	ug/L	Unknown							8/12/2025 17:13	
580-152924-S-5-D	56.589			0.013	ug/L	Unknown							8/12/2025 17:14	
580-152924-S-7-D	114.94			0.02	ug/L	Unknown							8/12/2025 17:16	
CCV	8852.1			1.008	ug/L	CCV							8/12/2025 17:18	
CCB	90.348			0.017	ug/L	CCB							8/12/2025 17:20	
580-152917-R-1-D	86.862			0.017	ug/L	Unknown							8/12/2025 17:22	
MB 410-682491/1-A	77.344			0.015	ug/L	Unknown							8/12/2025 17:24	
LCS 410-682491/2-A	96.825			0.018	ug/L	Unknown							8/12/2025 17:26	
LCS 410-682491/2-A	8738.7			0.995	ug/L	Unknown							8/12/2025 17:32	
410-234721-B-5-J	53.68			0.013	ug/L	Unknown							8/12/2025 17:34	

410-234721-B-5-K DU	94.555			0.017	ug/L	Unknown							8/12/2025 17:36	
410-234721-B-5-L MS	15041			1.707	ug/L	Unknown							8/12/2025 17:37	
410-234721-B-5-M MSD	15446			1.753	ug/L	Unknown							8/12/2025 17:39	
180-193695-A-1-D	127.06			0.021	ug/L	Unknown							8/12/2025 17:41	
410-235221-B-1-D	227.86			0.032	ug/L	Unknown							8/12/2025 17:43	
CCV	8947.9			1.018	ug/L	CCV							8/12/2025 17:45	
CCB	99.625			0.018	ug/L	CCB							8/12/2025 17:47	
410-235221-B-2-D	592.92			0.074	ug/L	Unknown							8/12/2025 17:49	
410-235339-A-1-G	330.07			0.044	ug/L	Unknown							8/12/2025 17:51	
LB 410-680720/1-E	304.31			0.041	ug/L	Unknown							8/12/2025 17:53	
LB 410-680723/1-C	16.411			0.009	ug/L	Unknown							8/12/2025 17:55	
LB 410-681467/1-D	19.601			0.009	ug/L	Unknown							8/12/2025 17:56	
410-234721-A-3-D	12.627			0.008	ug/L	Unknown							8/12/2025 17:58	
410-235511-C-2-G	36.128			0.011	ug/L	Unknown							8/12/2025 18:00	
410-235511-C-2-H MS	5184.7			0.593	ug/L	Unknown							8/12/2025 18:02	
LB 410-682106/1-E	69.455			0.015	ug/L	Unknown							8/12/2025 18:04	
580-152881-B-1-E	407.22			0.053	ug/L	Unknown							8/12/2025 18:06	
CCV	8729.4			0.994	ug/L	CCV							8/12/2025 18:08	
CCB	81.665			0.016	ug/L	CCB							8/12/2025 18:10	
580-152881-B-3-E	156.46			0.024	ug/L	Unknown							8/12/2025 18:12	
580-152881-B-4-E	31.813			0.01	ug/L	Unknown							8/12/2025 18:14	
180-193887-A-2-D	39.661			0.011	ug/L	Unknown							8/12/2025 18:16	
180-193900-A-1-D	32.579			0.01	ug/L	Unknown							8/12/2025 18:17	
410-235431-A-2-B	3442.4			0.396	ug/L	Unknown							8/12/2025 18:19	
410-235431-A-1-B	2968.1			0.342	ug/L	Unknown							8/12/2025 18:21	
LCS 410-682497/2-A	-15.32			0.005	ug/L	Unknown							8/12/2025 18:23	
LCS 410-682497/2-A	-1.84			0.007	ug/L	Unknown							8/12/2025 18:25	
MB 410-681254/1-A	250.35			0.035	ug/L	Unknown							8/12/2025 18:27	
LCS 410-681254/2-A	8742.8			0.995	ug/L	Unknown							8/12/2025 18:29	
CCV	8975.3			1.022	ug/L	CCV							8/12/2025 18:31	
CCB	82.65			0.016	ug/L	CCB							8/12/2025 18:33	
180-193726-F-1-I	116.39			0.02	ug/L	Unknown							8/12/2025 18:35	
180-193726-F-1-J DU	139.64			0.023	ug/L	Unknown							8/12/2025 18:37	
180-193726-F-1-K MS	1918.7			0.224	ug/L	Unknown							8/12/2025 18:38	
180-193726-F-1-L MSD	1895.1			0.221	ug/L	Unknown							8/12/2025 18:40	
410-234808-C-2-C	1805.8			0.211	ug/L	Unknown							8/12/2025 18:42	
410-235126-E-3-C	185.79			0.028	ug/L	Unknown							8/12/2025 18:44	
410-235126-E-2-C	101.86			0.018	ug/L	Unknown							8/12/2025 18:46	
180-193731-B-4-E	107.91			0.019	ug/L	Unknown							8/12/2025 18:48	
180-193731-B-6-E	104.93			0.019	ug/L	Unknown							8/12/2025 18:50	
180-193732-B-3-E	148.61			0.024	ug/L	Unknown							8/12/2025 18:52	
CCV	8753.1			0.996	ug/L	CCV							8/12/2025 18:54	
CCB	79.596			0.016	ug/L	CCB							8/12/2025 18:55	
180-193731-B-5-E	107.87			0.019	ug/L	Unknown							8/12/2025 18:57	
410-235126-E-4-C	170.5			0.026	ug/L	Unknown							8/12/2025 18:59	
410-235126-E-7-C	166.73			0.026	ug/L	Unknown							8/12/2025 19:01	
180-193732-B-4-E	151.48			0.024	ug/L	Unknown							8/12/2025 19:03	
410-235126-E-1-C	108.8			0.019	ug/L	Unknown							8/12/2025 19:05	
180-193726-F-2-C	130.3			0.021	ug/L	Unknown							8/12/2025 19:07	
400-280072-B-1-C	183.21			0.027	ug/L	Unknown							8/12/2025 19:09	
410-234927-A-1-C	131.46			0.022	ug/L	Unknown							8/12/2025 19:11	
400-280072-B-2-C	67.265			0.014	ug/L	Unknown							8/12/2025 19:12	
410-235126-E-5-C	90.363			0.017	ug/L	Unknown							8/12/2025 19:14	
CCV	8758.5			0.997	ug/L	CCV							8/12/2025 19:16	
CCB	90.792			0.017	ug/L	CCB							8/12/2025 19:18	

LB 410-680132/1-C	159.96	0.025	ug/L	Unknown	8/12/2025 19:20
630-117416-A-1-C	111.4	0.019	ug/L	Unknown	8/12/2025 19:22
630-117416-A-2-C	7.994	0.008	ug/L	Unknown	8/12/2025 19:24
630-117416-A-1-C	50.541	0.012	ug/L	Unknown	8/12/2025 19:26
580-152924-S-1-D	36.531	0.011	ug/L	Unknown	8/12/2025 19:28
MB 410-682634/1-A	154.16	0.024	ug/L	Unknown	8/12/2025 19:29
LCS 410-682634/2-A	8597.1	0.979	ug/L	Unknown	8/12/2025 19:31
410-234898-L-4-A	222.26	0.032	ug/L	Unknown	8/12/2025 19:33
410-234898-C-4-A DU	299.06	0.041	ug/L	Unknown	8/12/2025 19:35
410-234898-L-4-B MS	8384.6	0.955	ug/L	Unknown	8/12/2025 19:37
CCV	8804.2	1.002	ug/L	CCV	8/12/2025 19:39
CCB	86.408	0.016	ug/L	CCB	8/12/2025 19:41
410-234898-L-4-C MSD	7917.5	0.902	ug/L	Unknown	8/12/2025 19:43
400-280019-K-14-A	182.58	0.027	ug/L	Unknown	8/12/2025 19:45
410-235003-H-9-A	169.57	0.026	ug/L	Unknown	8/12/2025 19:47
410-235510-H-1-A	269.65	0.037	ug/L	Unknown	8/12/2025 19:48
410-235510-K-3-A	211.97	0.031	ug/L	Unknown	8/12/2025 19:50
410-235112-AD-1-A	38.376	0.011	ug/L	Unknown	8/12/2025 19:52
410-235113-AD-1-A	1020.5	0.122	ug/L	Unknown	8/12/2025 19:54
410-234876-AE-1-A	48.708	0.012	ug/L	Unknown	8/12/2025 19:56
410-235510-I-3-A	175.18	0.027	ug/L	Unknown	8/12/2025 19:58
410-234980-O-1-A	180.42	0.027	ug/L	Unknown	8/12/2025 20:00
CCV	8316.8	0.947	ug/L	CCV	8/12/2025 20:02
CCB	107.09	0.019	ug/L	CCB	8/12/2025 20:04
410-234898-N-3-A	237.58	0.034	ug/L	Unknown	8/12/2025 20:06
400-280019-K-6-A	1010.6	0.121	ug/L	Unknown	8/12/2025 20:07
180-193673-N-1-A	181.76	0.027	ug/L	Unknown	8/12/2025 20:09
410-234898-N-1-A	222.85	0.032	ug/L	Unknown	8/12/2025 20:11
410-235510-I-2-A	241.16	0.034	ug/L	Unknown	8/12/2025 20:13
410-234898-L-2-A	267.93	0.037	ug/L	Unknown	8/12/2025 20:15
630-117198-L-13-A	192.59	0.028	ug/L	Unknown	8/12/2025 20:17
410-235510-K-2-A	333.99	0.044	ug/L	Unknown	8/12/2025 20:19
410-234875-AE-1-A	375.06	0.049	ug/L	Unknown	8/12/2025 20:21
580-152639-F-5-A	1656.2	0.194	ug/L	Unknown	8/12/2025 20:23
CCV	8566.5	0.975	ug/L	CCV	8/12/2025 20:25
CCB	96.822	0.018	ug/L	CCB	8/12/2025 20:26
MB 410-682641/1-A	-5.624	0.006	ug/L	Unknown	8/12/2025 20:28
LCS 410-682641/2-A	8682.6	0.988	ug/L	Unknown	8/12/2025 20:30
410-235620-L-5-A	8.33	0.008	ug/L	Unknown	8/12/2025 20:32
410-235620-O-5-A DU	9.95	0.008	ug/L	Unknown	8/12/2025 20:34
410-235620-M-5-A MS	8447.3	0.962	ug/L	Unknown	8/12/2025 20:36
410-235620-N-5-A MSD	8308.5	0.946	ug/L	Unknown	8/12/2025 20:38
410-235620-L-6-A	20.133	0.009	ug/L	Unknown	8/12/2025 20:40
410-235620-L-2-A	21.736	0.009	ug/L	Unknown	8/12/2025 20:42
410-235620-O-9-A	71.604	0.015	ug/L	Unknown	8/12/2025 20:44
410-235620-L-8-A	14.949	0.008	ug/L	Unknown	8/12/2025 20:46
CCV	8192.7	0.933	ug/L	CCV	8/12/2025 20:47
CCB	95.9	0.018	ug/L	CCB	8/12/2025 20:49
410-235620-L-3-A	26.668	0.01	ug/L	Unknown	8/12/2025 20:51
410-235620-L-7-A	31.923	0.01	ug/L	Unknown	8/12/2025 20:53
410-235620-L-10-A	45.811	0.012	ug/L	Unknown	8/12/2025 20:55
460-332036-G-2-A	33.324	0.01	ug/L	Unknown	8/12/2025 20:57
180-193875-H-2-A	51.121	0.012	ug/L	Unknown	8/12/2025 20:59
410-235312-L-7-A	156.45	0.024	ug/L	Unknown	8/12/2025 21:01
180-193866-N-2-A	150.47	0.024	ug/L	Unknown	8/12/2025 21:03

180-193866-N-1-A	138.45	0.022	ug/L	Unknown	8/12/2025 21:05
410-235312-L-6-A	13.396	0.008	ug/L	Unknown	8/12/2025 21:06
410-235312-L-5-A	17.774	0.009	ug/L	Unknown	8/12/2025 21:08
CCV	8423.1	0.959	ug/L	CCV	8/12/2025 21:10
CCB	106.27	0.019	ug/L	CCB	8/12/2025 21:12
410-235312-L-7-B	33.727	0.011	ug/L	Unknown	8/12/2025 21:14
410-235312-L-8-A	179.74	0.027	ug/L	Unknown	8/12/2025 21:16
410-235312-L-9-A	85.481	0.016	ug/L	Unknown	8/12/2025 21:18
410-235312-L-3-A	100.45	0.018	ug/L	Unknown	8/12/2025 21:20
410-235312-O-2-A	120.52	0.02	ug/L	Unknown	8/12/2025 21:22
CCV	8477.6	0.965	ug/L	CCV	8/12/2025 21:23
CCB	52.558	0.013	ug/L	CCB	8/12/2025 21:25

EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL (ELLE), Mercury RAW Data Report

Please note that this is raw data as received from the instrument, which does not account for weights, volumes, and dilution factors.

Sample ID	Average Intensity	%R	%RE	Average Conc.	Conc. Units	Sample Type	SLOPE	INTERCEPT	CORR COEFF	Curve Type	Flags	INSTR	Time Stamp	Ele
Calibration Blank	198.53	NA	NA	0	ug/L	Standard	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:23	Hg
Standard #1 (0.2 ug/L)	990.91	98.04%	-1.96%	0.2	ug/L	Standard	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:24	Hg
Standard #2 (0.5 ug/L)	2128.7	101.03%	1.03%	0.5	ug/L	Standard	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:26	Hg
Standard #3 (1.0 ug/L)	4125.9	99.76%	-0.24%	1	ug/L	Standard	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:28	Hg
Standard #4 (2.5 ug/L)	9971.7	100.40%	0.40%	2.5	ug/L	Standard	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:30	Hg
Standard #5 (5.0 ug/L)	19857	99.90%	-0.10%	5	ug/L	Standard	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:32	Hg
ICV	11148			2.789	ug/L	ICV	3930.441989	185.4456166	0.999989143	Linear	Q	M10	8/16/2025 14:34	Hg
Single:	10018			2.502	ug/L	ICV	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:36	Hg
Single:	10062			2.513	ug/L	ICV	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:38	Hg
ICB	133.72			-0.013	ug/L	ICB	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:40	Hg
CRA	1026.3			0.214	ug/L	IPR	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:42	Hg
CCV	4207.1			1.023	ug/L	CCV	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:44	Hg
CCB	149.47			-0.009	ug/L	CCB	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:46	Hg
MB 410-682638/1-A	157.71			-0.007	ug/L	Unknown	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:48	Hg
LCS 410-682638/2-A	4886.1			1.196	ug/L	Unknown	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:50	Hg
410-235620-L-4-A	164.73			-0.005	ug/L	Unknown	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:52	Hg
410-235620-L-4-B DU	218.24			0.008	ug/L	Unknown	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:53	Hg
410-235620-L-4-C MS	5109.3			1.253	ug/L	Unknown	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:55	Hg
410-235620-L-4-D MSD	5065			1.242	ug/L	Unknown	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:57	Hg
410-235312-L-4-A	155.06			-0.008	ug/L	Unknown	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:59	Hg
400-280019-K-13-A	299.4			0.029	ug/L	Unknown	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 15:01	Hg
400-280019-K-12-A	464.48			0.071	ug/L	Unknown							8/16/2025 15:03	
400-280019-N-10-A	1991.2			0.459	ug/L	Unknown							8/16/2025 15:05	
CCV	4210.6			1.024	ug/L	CCV							8/16/2025 15:07	
CCB	143.22			-0.011	ug/L	CCB							8/16/2025 15:09	
400-280019-K-11-A	1094.2			0.231	ug/L	Unknown							8/16/2025 15:10	
400-280019-K-7-A	640.11			0.116	ug/L	Unknown							8/16/2025 15:12	
400-280019-K-5-A	184.63			0	ug/L	Unknown							8/16/2025 15:14	
400-280019-K-3-A	222.22			0.009	ug/L	Unknown							8/16/2025 15:16	
400-280019-K-4-A	202.84			0.004	ug/L	Unknown							8/16/2025 15:18	
400-280019-K-1-A	187.57			0.001	ug/L	Unknown							8/16/2025 15:20	
410-234898-H-11-A	205.69			0.005	ug/L	Unknown							8/16/2025 15:22	
400-280019-K-2-A	181.2			-0.001	ug/L	Unknown							8/16/2025 15:24	
630-117198-O-14-A	182.77			-0.001	ug/L	Unknown							8/16/2025 15:26	
410-235114-AD-1-A	357.84			0.044	ug/L	Unknown							8/16/2025 15:27	
CCV	4423.9			1.078	ug/L	CCV							8/16/2025 15:29	
CCB	147.93			-0.01	ug/L	CCB							8/16/2025 15:31	
410-234898-L-6-A	5375			1.32	ug/L	Unknown							8/16/2025 15:33	
410-234898-H-7-A	129.74			-0.014	ug/L	Unknown							8/16/2025 15:35	
410-234898-L-5-A	212.11			0.007	ug/L	Unknown							8/16/2025 15:37	
410-234898-H-9-A	165.29			-0.005	ug/L	Unknown							8/16/2025 15:39	
410-234898-H-8-A	205.02			0.005	ug/L	Unknown							8/16/2025 15:41	
CCV	4413.2			1.076	ug/L	CCV							8/16/2025 15:43	
CCB	145.26			-0.01	ug/L	CCB							8/16/2025 15:44	

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-234898-1

SDG No.:

Project: RFAAP, Radford HWMU16

Client Sample ID	Lab Sample ID
16C1	410-234898-1
16MW8	410-234898-2
16MW9	410-234898-3
16WC1A	410-234898-4
16WDUP	410-234898-5
16WC1B	410-234898-6

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 16C1
Lab Sample ID: 410-234898-1
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1
SDG ID.:
Matrix: Water
Date Sampled: 07/30/2025 14:20
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 679503
Instrument ID: S0027

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	20.0	5.00	ug/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 16MW8
Lab Sample ID: 410-234898-2
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1
SDG ID.:
Matrix: Water
Date Sampled: 07/29/2025 11:20
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 679503
Instrument ID: S0027

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	20.0	5.00	ug/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 16MW9
Lab Sample ID: 410-234898-3
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1
SDG ID.:
Matrix: Water
Date Sampled: 07/30/2025 13:15
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 679503
Instrument ID: S0027

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	20.0	5.00	ug/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 16WC1A
Lab Sample ID: 410-234898-4
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1
SDG ID.:
Matrix: Water
Date Sampled: 07/30/2025 11:05
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 680915
Instrument ID: S0027

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	20.0	5.00	ug/L		F1 cn	1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 16WDUP
Lab Sample ID: 410-234898-5
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1
SDG ID.:
Matrix: Water
Date Sampled: 07/30/2025 09:25
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 679503
Instrument ID: S0027

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	20.0	5.00	ug/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 16WC1B
Lab Sample ID: 410-234898-6
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-1
SDG ID.:
Matrix: Water
Date Sampled: 07/30/2025 09:45
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 679503
Instrument ID: S0027

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	20.0	5.00	ug/L			1	9012B

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Analyst: P684 Batch Start Date: 08/01/2025

Reporting Units: mg/L Analytical Batch No.: 680471

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
10	ICV	23:51	Cyanide, Total	0.2180	0.200	109	90-110		WC_FL_CCVCN_00891
11	ICB	23:52	Cyanide, Total	ND					
22	CCV	00:01	Cyanide, Total	0.2100	0.200	105	90-110		WC_FL_CCVCN_00891
23	CCB	00:01	Cyanide, Total	ND					
34	CCV	00:10	Cyanide, Total	0.2070	0.200	104	90-110		WC_FL_CCVCN_00891
35	CCB	00:12	Cyanide, Total	ND					
46	CCV	00:21	Cyanide, Total	0.2090	0.200	105	90-110		WC_FL_CCVCN_00891
47	CCB	00:22	Cyanide, Total	ND					
58	CCV	00:31	Cyanide, Total	0.2110	0.200	106	90-110		WC_FL_CCVCN_00891
59	CCB	00:31	Cyanide, Total	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Analyst: P684 Batch Start Date: 08/05/2025

Reporting Units: mg/L Analytical Batch No.: 681521

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
10	ICV	23:35	Cyanide, Total	0.2150	0.200	108	90-110		WC_FL_CCVCN_00892
11	ICB	23:35	Cyanide, Total	ND					
22	CCV	23:44	Cyanide, Total	0.2120	0.200	106	90-110		WC_FL_CCVCN_00892
23	CCB	23:45	Cyanide, Total	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 680471	Date: 08/02/2025 00:06	Prep Batch: 679503	Date: 08/01/2025 13:24				
9012B	MB 410-679503/2-A	Cyanide, Total	ND		ug/L	20.0	1
Batch ID: 681521	Date: 08/05/2025 23:36	Prep Batch: 680915	Date: 08/05/2025 13:00				
9012B	MB 410-680915/2-A	Cyanide, Total	ND		ug/L	20.0	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 680471	Date: 08/02/2025 00:09		Prep Batch: 679503		Date: 08/01/2025 13:24						
9012B	410-234898-1	Cyanide, Total	ND		ug/L						
9012B	410-234898-1 MS	Cyanide, Total	170.0		ug/L	200	85	72-114			
Batch ID: 680471	Date: 08/02/2025 00:21		Prep Batch: 679503		Date: 08/01/2025 13:24						
9012B	410-234898-2	Cyanide, Total	ND		ug/L						
9012B	410-234898-2 MS	Cyanide, Total	201.0		ug/L	200	101	72-114			
Batch ID: 681521	Date: 08/05/2025 23:39		Prep Batch: 680915		Date: 08/05/2025 13:00						
9012B	410-234898-4	Cyanide, Total	ND		ug/L						F1 cn
9012B	410-234898-4 MS	Cyanide, Total	141.0		ug/L	200	71	72-114			F1 cn

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 680471	Date: 08/02/2025 00:09		Prep Batch: 679503		Date: 08/01/2025 13:24						
9012B	410-234898-1 MSD	Cyanide, Total	198.0		ug/L	200	99	72-114	15	20	
Batch ID: 680471	Date: 08/02/2025 00:22		Prep Batch: 679503		Date: 08/01/2025 13:24						
9012B	410-234898-2 MSD	Cyanide, Total	199.0		ug/L	200	100	72-114	1	20	
Batch ID: 681521	Date: 08/05/2025 23:40		Prep Batch: 680915		Date: 08/05/2025 13:00						
9012B	410-234898-4 MSD	Cyanide, Total	140.0		ug/L	200	70	72-114	1	20	F1 cn

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 680471	Date: 08/02/2025 00:05		Prep Batch: 679503			Date: 08/01/2025 13:24					
						LCS Source: WC-PR20mg/lQC_01429					
9012B	LCS 410-679503/1-A	Cyanide, Total	187.0		ug/L	200	94	85-115			
Batch ID: 681521	Date: 08/05/2025 23:36		Prep Batch: 680915			Date: 08/05/2025 13:00					
						LCS Source: WC-PR20mg/lQC_01433					
9012B	LCS 410-680915/1-A	Cyanide, Total	181.0		ug/L	200	91	85-115			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-234898-1

SDG Number:

Matrix: Water Instrument ID: S0027

Method: 9012B XMDL Date: 11/07/2018 12:39

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Total		0.01	0.005

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-234898-1

SDG Number:

Matrix: Water Instrument ID: S0027

Method: 9012B MDL Date: 08/31/2023 13:58

Prep Method: 9012B

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Cyanide, Total		20	5

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Prep Method: 9012B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LCS 410-679503/1-A	08/01/2025 13:24	679503		50	50
MB 410-679503/2-A	08/01/2025 13:24	679503		50	50
410-234898-1	08/01/2025 13:24	679503		50	50
410-234898-1 MS	08/01/2025 13:24	679503		50	50
410-234898-1 MSD	08/01/2025 13:24	679503		50	50
410-234898-2	08/01/2025 13:24	679503		50	50
410-234898-2 MS	08/01/2025 13:24	679503		50	50
410-234898-2 MSD	08/01/2025 13:24	679503		50	50
410-234898-3	08/01/2025 13:24	679503		50	50
410-234898-5	08/01/2025 13:24	679503		50	50
410-234898-6	08/01/2025 13:24	679503		50	50

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Prep Method: 9012B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LCS 410-680915/1-A	08/05/2025 13:00	680915		50	50
MB 410-680915/2-A	08/05/2025 13:00	680915		50	50
410-234898-4	08/05/2025 13:00	680915		50	50
410-234898-4 MS	08/05/2025 13:00	680915		50	50
410-234898-4 MSD	08/05/2025 13:00	680915		50	50

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: S0027 Analysis Method: 9012B

Start Date: 08/01/2025 23:43 End Date: 08/02/2025 01:56

Lab Sample Id	D/F	Type	Time	Analytes																										
				CN																										
IC 410-680471/1			23:43	X																										
IC 410-680471/2			23:44	X																										
IC 410-680471/3			23:44	X																										
IC 410-680471/4			23:44	X																										
IC 410-680471/5			23:47	X																										
IC 410-680471/6			23:47	X																										
IC 410-680471/7			23:48	X																										
ZZZZZZ			23:48																											
ZZZZZZ			23:49																											
ICV 410-680471/10	1		23:51	X																										
ICB 410-680471/11	1		23:52	X																										
ZZZZZZ (QC)			23:52																											
ZZZZZZ (QC)			23:52																											
ZZZZZZ (Client)			23:53																											
ZZZZZZ (QC)			23:55																											
ZZZZZZ (QC)			23:56																											
ZZZZZZ (Client)			23:56																											
ZZZZZZ (Client)			23:57																											
ZZZZZZ (Client)			23:57																											
ZZZZZZ (Client)			00:00																											
ZZZZZZ (Client)			00:00																											
CCV 410-680471/22	1		00:01	X																										
CCB 410-680471/23	1		00:01	X																										
ZZZZZZ (Client)			00:01																											
ZZZZZZ (Client)			00:04																											
ZZZZZZ (Client)			00:04																											
ZZZZZZ (Client)			00:05																											
LCS 410-679503/1-A	1	T	00:05	X																										
MB 410-679503/2-A	1	T	00:06	X																										
410-234898-1	1	T	00:08	X																										
410-234898-1 MS	1	T	00:09	X																										
410-234898-1 MSD	1	T	00:09	X																										
ZZZZZZ (Client)			00:09																											
CCV 410-680471/34	1		00:10	X																										
CCB 410-680471/35	1		00:12	X																										
ZZZZZZ (Client)			00:13																											
ZZZZZZ (Client)			00:13																											
ZZZZZZ (Client)			00:14																											
ZZZZZZ (Client)			00:14																											
ZZZZZZ (Client)			00:17																											
ZZZZZZ (Client)			00:17																											

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: S0027 Analysis Method: 9012B

Start Date: 08/01/2025 23:43 End Date: 08/02/2025 01:56

Lab Sample Id	D/F	Type	Time	Analytes
				CN
ZZZZZZ (Client)			00:18	
ZZZZZZ (Client)			00:18	
410-234898-2	1	T	00:18	X
410-234898-2 MS	1	T	00:21	X
CCV 410-680471/46	1		00:21	X
CCB 410-680471/47	1		00:22	X
410-234898-2 MSD	1	T	00:22	X
410-234898-3	1	T	00:23	X
410-234898-5	1	T	00:25	X
410-234898-6	1	T	00:26	X
ZZZZZZ (Client)			00:26	
ZZZZZZ (Client)			00:27	
ZZZZZZ (Client)			00:27	
ZZZZZZ (Client)			00:29	
ZZZZZZ (Client)			00:30	
ZZZZZZ (Client)			00:30	
CCV 410-680471/58	1		00:31	X
CCB 410-680471/59	1		00:31	X
ZZZZZZ (QC)			00:34	
ZZZZZZ (QC)			00:34	
ZZZZZZ (Client)			00:35	
ZZZZZZ (QC)			00:35	
ZZZZZZ (QC)			00:35	
ZZZZZZ (Client)			00:38	
ZZZZZZ (Client)			00:38	
ZZZZZZ (Client)			00:39	
ZZZZZZ (Client)			00:39	
ZZZZZZ (Client)			00:40	
CCV 410-680471/70			00:42	
CCB 410-680471/71			00:43	
ZZZZZZ (Client)			00:43	
ZZZZZZ (Client)			00:44	
ZZZZZZ (Client)			00:44	
ZZZZZZ (Client)			00:46	
ZZZZZZ (Client)			00:47	
ZZZZZZ (QC)			00:47	
ZZZZZZ (QC)			00:48	
ZZZZZZ (Client)			00:48	
ZZZZZZ (Client)			00:51	
ZZZZZZ (Client)			00:51	
CCV 410-680471/82			00:52	

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: S0027 Analysis Method: 9012B

Start Date: 08/01/2025 23:43 End Date: 08/02/2025 01:56

Lab Sample Id	D/F	Type	Time	Analytes
				CN
CCB 410-680471/83			00:52	
ZZZZZZ (Client)			00:53	
ZZZZZZ (Client)			00:55	
ZZZZZZ (Client)			00:55	
ZZZZZZ (Client)			00:56	
ZZZZZZ (Client)			00:56	
ZZZZZZ (Client)			00:57	
ZZZZZZ (QC)			00:59	
ZZZZZZ			01:00	
ZZZZZZ (QC)			01:00	
ZZZZZZ (Client)			01:01	
CCV 410-680471/94			01:01	
CCB 410-680471/95			01:04	
ZZZZZZ (QC)			01:04	
ZZZZZZ (QC)			01:04	
ZZZZZZ (Client)			01:05	
ZZZZZZ (Client)			01:05	
ZZZZZZ (Client)			01:08	
ZZZZZZ (Client)			01:08	
ZZZZZZ (Client)			01:09	
ZZZZZZ (Client)			01:09	
ZZZZZZ (Client)			01:10	
ZZZZZZ (Client)			01:12	
CCV 410-680471/106			01:12	
CCB 410-680471/107			01:13	
ZZZZZZ (Client)			01:13	
ZZZZZZ (Client)			01:14	
ZZZZZZ (Client)			01:16	
ZZZZZZ (Client)			01:17	
ZZZZZZ (Client)			01:17	
ZZZZZZ (Client)			01:18	
ZZZZZZ (Client)			01:18	
ZZZZZZ (Client)			01:21	
ZZZZZZ (Client)			01:21	
ZZZZZZ (Client)			01:21	
CCV 410-680471/118			01:22	
CCB 410-680471/119			01:22	
CCV 410-680471/120			01:35	
CCB 410-680471/121			01:35	
ZZZZZZ (QC)			01:36	
ZZZZZZ (QC)			01:36	

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: S0027 Analysis Method: 9012B

Start Date: 08/01/2025 23:43 End Date: 08/02/2025 01:56

Lab Sample Id	D/F	Type	Time	Analytes																								
				CN																								
ZZZZZZ (QC)			01:39																									
CCV 410-680471/125			01:39																									
CCB 410-680471/126			01:40																									
CCV 410-680471/127			01:52																									
CCB 410-680471/128			01:53																									
ZZZZZZ (QC)			01:53																									
CCV 410-680471/130			01:54																									
CCB 410-680471/131			01:56																									

Prep Types:
T = Total/NA

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: S0027 Analysis Method: 9012B

Start Date: 08/05/2025 23:27 End Date: 08/06/2025 00:43

Lab Sample Id	D/F	Type	Time	Analytes
				CN
IC 410-681521/1			23:27	X
IC 410-681521/2			23:27	X
IC 410-681521/3			23:28	X
IC 410-681521/4			23:28	X
IC 410-681521/5			23:31	X
IC 410-681521/6			23:31	X
IC 410-681521/7			23:32	X
ZZZZZZ			23:32	
ZZZZZZ			23:32	
ICV 410-681521/10	1		23:35	X
ICB 410-681521/11	1		23:35	X
LCS 410-680915/1-A	1	T	23:36	X
MB 410-680915/2-A	1	T	23:36	X
410-234898-4	1	T	23:37	X
410-234898-4 MS	1	T	23:39	X
410-234898-4 MSD	1	T	23:40	X
ZZZZZZ (Client)			23:40	
ZZZZZZ (Client)			23:41	
ZZZZZZ (Client)			23:41	
ZZZZZZ (Client)			23:43	
ZZZZZZ (Client)			23:44	
CCV 410-681521/22	1		23:44	X
CCB 410-681521/23	1		23:45	X
ZZZZZZ (Client)			23:45	
ZZZZZZ (Client)			23:48	
ZZZZZZ (Client)			23:48	
ZZZZZZ (Client)			23:49	
ZZZZZZ (Client)			23:49	
ZZZZZZ (QC)			23:49	
ZZZZZZ (QC)			23:52	
ZZZZZZ (Client)			23:52	
ZZZZZZ (Client)			23:53	
ZZZZZZ (Client)			23:53	
CCV 410-681521/34			23:54	
CCB 410-681521/35			23:56	
ZZZZZZ (Client)			23:57	
ZZZZZZ (Client)			23:57	
ZZZZZZ (Client)			23:58	
ZZZZZZ (Client)			23:58	
ZZZZZZ (Client)			00:00	
ZZZZZZ (Client)			00:01	

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: S0027 Analysis Method: 9012B

Start Date: 08/05/2025 23:27 End Date: 08/06/2025 00:43

Lab Sample Id	D/F	Type	Time	Analytes
				CN
ZZZZZZ (QC)			00:01	
ZZZZZZ (QC)			00:02	
ZZZZZZ (Client)			00:02	
ZZZZZZ (QC)			00:05	
CCV 410-681521/46			00:05	
CCB 410-681521/47			00:06	
ZZZZZZ (QC)			00:06	
ZZZZZZ (Client)			00:06	
ZZZZZZ (Client)			00:09	
ZZZZZZ (Client)			00:09	
ZZZZZZ (Client)			00:10	
ZZZZZZ (Client)			00:10	
ZZZZZZ (Client)			00:11	
ZZZZZZ (Client)			00:13	
ZZZZZZ (Client)			00:14	
ZZZZZZ (Client)			00:14	
CCV 410-681521/58			00:15	
CCB 410-681521/59			00:15	
ZZZZZZ (Client)			00:17	
ZZZZZZ (QC)			00:18	
ZZZZZZ			00:18	
ZZZZZZ (QC)			00:19	
ZZZZZZ (Client)			00:19	
ZZZZZZ (Client)			00:22	
ZZZZZZ (QC)			00:22	
ZZZZZZ (QC)			00:23	
ZZZZZZ (Client)			00:23	
ZZZZZZ (Client)			00:24	
CCV 410-681521/70			00:26	
CCB 410-681521/71			00:26	
ZZZZZZ (Client)			00:27	
ZZZZZZ (Client)			00:27	
ZZZZZZ (Client)			00:28	
ZZZZZZ (Client)			00:30	
ZZZZZZ (Client)			00:31	
ZZZZZZ (Client)			00:31	
ZZZZZZ (Client)			00:32	
ZZZZZZ (Client)			00:32	
ZZZZZZ (Client)			00:34	
ZZZZZZ (Client)			00:35	
CCV 410-681521/82			00:35	

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-1

SDG No.:

Instrument ID: S0027 Analysis Method: 9012B

Start Date: 08/05/2025 23:27 End Date: 08/06/2025 00:43

Lab Sample Id	D/F	Type	Time	Analytes																								
				CN																								
CCB 410-681521/83			00:36																									
ZZZZZZ (Client)			00:36																									
ZZZZZZ (Client)			00:39																									
ZZZZZZ (Client)			00:39																									
ZZZZZZ (Client)			00:40																									
ZZZZZZ (Client)			00:40																									
CCV 410-681521/89			00:40																									
CCB 410-681521/90			00:43																									

Prep Types:
T = Total/NA

FORM XIII-IN

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 679503 Batch Start Date: 08/01/25 13:24 Batch Analyst: Schmertz, Thomas

Batch Method: 9012B Batch End Date: 08/01/25 15:09

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	DigestBlockID	DigestBlockPos	WC-PR20mg/lQC 01429	
LCS 410-679503/1		9012B, 9012B			50 mL	50 mL	c	9	0.5 mL	
MB 410-679503/2		9012B, 9012B			50 mL	50 mL	c	10		
410-234898-J-1	16C1	9012B, 9012B	Water	T	50 mL	50 mL	a	1		
410-234898-J-1 MS	16C1	9012B, 9012B		T	50 mL	50 mL	a	2	0.5 mL	
410-234898-J-1 MSD	16C1	9012B, 9012B		T	50 mL	50 mL	a	3	0.5 mL	
410-234898-H-2	16MW8	9012B, 9012B	Water	T	50 mL	50 mL	b	5		
410-234898-H-2 MS	16MW8	9012B, 9012B		T	50 mL	50 mL	b	6	0.5 mL	
410-234898-H-2 MSD	16MW8	9012B, 9012B		T	50 mL	50 mL	b	7	0.5 mL	
410-234898-J-3	16MW9	9012B, 9012B	Water	T	50 mL	50 mL	b	8		
410-234898-H-5	16WDUP	9012B, 9012B	Water	T	50 mL	50 mL	b	9		
410-234898-H-6	16WC1B	9012B, 9012B	Water	T	50 mL	50 mL	b	10		

Batch Notes	
Pipette/Syringe/Dispenser ID	prep
Sodium Hydroxide ID	8061066
Magnesium Chloride Reagent ID Number	8150596
Sulfamic Acid ID	8060469
Sulfuric Acid Reagent ID Number	8086621
Distillation Start Time	08/01/2025 13:24
Distillation End Time	08/01/2025 15:09

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 680471 Batch Start Date: 08/01/25 23:43 Batch Analyst: Cornelius, Ashlynn M

Batch Method: 9012B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	WC_FL_CCVCN 00891					
ICV 410-680471/10		9012B			# mL					
CCV 410-680471/22		9012B			# mL					
CCV 410-680471/34		9012B			# mL					
CCV 410-680471/46		9012B			# mL					
CCV 410-680471/58		9012B			# mL					

Batch Notes	
Pipette/Syringe/Dispenser ID	Flow
Sodium Hydroxide ID	WC_FL_.25NaOH_00047
Buffer Reagent ID	WC_FL_PhosBuf_00077
Chloramine-T ID	WC_FL_Chloram_00837
Pyridine-Barbituric Acid ID	WC_FL_Pyrbarb_00145
Pipette Tip Lot ID	K199109P

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 680915 Batch Start Date: 08/05/25 13:00 Batch Analyst: Schmertz, Thomas

Batch Method: 9012B Batch End Date: 08/05/25 14:45

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	DigestBlockID	DigestBlockPos	WC-PR20mg/lQC 01433	
LCS 410-680915/1		9012B, 9012B			50 mL	50 mL	c	8	0.5 mL	
MB 410-680915/2		9012B, 9012B			50 mL	50 mL	c	9		
410-234898-H-4	16WC1A	9012B, 9012B	Water	T	50 mL	50 mL	a	1		
410-234898-H-4 MS	16WC1AMS	9012B, 9012B	Water	T	50 mL	50 mL	a	2	0.5 mL	
410-234898-H-4 MSD	16WC1AMSD	9012B, 9012B	Water	T	50 mL	50 mL	a	3	0.5 mL	

Batch Notes	
Pipette/Syringe/Dispenser ID	prep
Sodium Hydroxide ID	8061066
Magnesium Chloride Reagent ID Number	8150596
Sulfamic Acid ID	8060469
Sulfuric Acid Reagent ID Number	8086621
Distillation Start Time	08/05/2025 13:00
Distillation End Time	08/05/2025 14:45

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-1

SDG No.:

Batch Number: 681521 Batch Start Date: 08/05/25 23:27 Batch Analyst: Cornelius, Ashlynn M

Batch Method: 9012B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	WC_FL_CCVCN 00892					
ICV 410-681521/10		9012B			# mL					
CCV 410-681521/22		9012B			# mL					

Batch Notes	
Pipette/Syringe/Dispenser ID	Flow
Sodium Hydroxide ID	WC_FL_.25NaOH_00047
Buffer Reagent ID	WC_FL_PhosBuf_00077
Chloramine-T ID	WC_FL_CHloram_00838
Pyridine-Barbituric Acid ID	WC_FL_PyrBarb_00145
Pipette Tip Lot ID	K199109P

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AQ700 Report

Software version :	2.5.01A33
Report Requested By :	Manager
Time and Date :	2025-08-02 09:30:10
Tray Number :	1
Tray Name :	25213CN

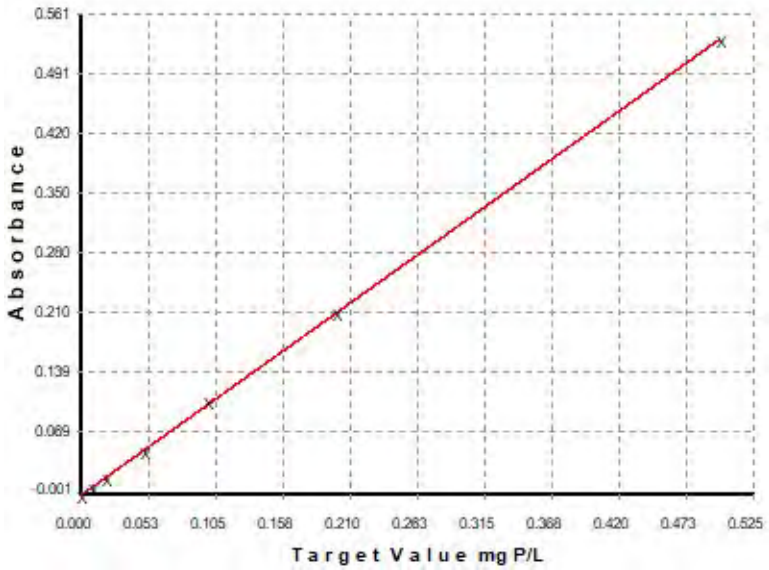
CN EPA130

Calibration Chart

Type	Absorbance	Calc mg/L	Target mg/L	% Error
S95	0.5344	0.499	0.500	-0.14
S94	0.2150	0.200	0.200	0.24
S93	0.1106	0.103	0.100	2.81
S92	0.0539	0.050	0.050	-0.53
S91	0.0219	0.020	0.020	-0.83
S90	0.0112	0.010	0.010	-1.54
S1	-0.0014	-0.002	0.000	
*89	0.5245	0.490	0.500	-1.99
S0	-0.0005	-0.001	0.000	

Polynomial order :	1
Correlation Coefficient :	1.0000
RSE (%) :	1.68
Carryover(%) :	0.2
Calibration equation:	y = bx + a
y =:	Concentration mg/L
x =:	Measured absorbance
a =:	-6.481395E-04
b =:	9.355062E-01
Date & Time :	2025-08-01 23:49:11

Calibration Graph



Reagents

Reagent name	Batch number	Operator	Expiry date
CN Buffer			
CN Chloramine-T			
CN Pyridine			

Cup	Type	ID	Result	Units	QC Pro	Raw data	Auto dil.	Man dil.	User	Time & Date
	S95	Standard 95	0.534			0.534394				2025-08-01 23:43:35
	S94	Standard 94	0.215			0.214999				2025-08-01 23:44:02
	S93	Standard 93	0.111			0.110588				2025-08-01 23:44:29
	S92	Standard 92	0.054			0.053857				2025-08-01 23:44:56
	S91	Standard 91	0.022			0.021895				2025-08-01 23:47:23
	S90	Standard 90	0.011			0.011218				2025-08-01 23:47:50
	S1	Standard 1	-0.001			-0.001433			WCM	2025-08-01 23:48:17

	S89		0.525		0.524534	WCM	2025-08-01 23:48:44
	S0	Standard 0	-0.001		-0.000532	WCM	2025-08-01 23:49:10
	ICV	ICV	0.218	mg/L	0.233410	WCM	2025-08-01 23:51:38
	ICB	ICB	-0.001	mg/L	-0.000853	WCM	2025-08-01 23:52:05
1	U1	LCS 410-6792361-A	0.177	mg/L	0.190031	WCM	2025-08-01 23:52:32
2	U2	MB 410-6792362-A	-0.001	mg/L	-0.000795	WCM	2025-08-01 23:52:59
3	U3	620-27919-A-1-D	0.002	mg/L	0.002648	WCM	2025-08-01 23:53:26
4	U4	620-27919-A-1-E MS	0.001	mg/L	0.001507	WCM	2025-08-01 23:55:53
5	U5	620-27919-A-1-F MSD	0.108	mg/L	0.115730	WCM	2025-08-01 23:56:20
6	U6	620-27919-A-2-B	-0.002	mg/L	-0.001185	WCM	2025-08-01 23:56:46
7	U7	620-28077-K-1-A	-0.001	mg/L	-0.000399	WCM	2025-08-01 23:57:13
8	U8	620-28077-K-2-A	-0.000	mg/L	0.000466	WCM	2025-08-01 23:57:40
9	U9	620-28078-J-1-A	-0.001	mg/L	-0.000383	WCM	2025-08-02 00:00:07
10	U10	620-28022-A-2-B	0.000	mg/L	0.000838	WCM	2025-08-02 00:00:34
	CCV	CCV	0.210	mg/L	0.225238	WCM	2025-08-02 00:01:01
	CCB	CCB	-0.002	mg/L	-0.001083	WCM	2025-08-02 00:01:28
11	U11	630-116786-G-1-B	0.013	mg/L	0.014759	WCM	2025-08-02 00:01:56
12	U12	410-234392-A-2-B	-0.001	mg/L	-0.000626	WCM	2025-08-02 00:04:23
13	U13	410-234401-A-1-B	-0.002	mg/L	-0.000981	WCM	2025-08-02 00:04:49
14	U14	885-29469-B-1-B	0.006	mg/L	0.007410	WCM	2025-08-02 00:05:16
15	U15	LCS 410-6795031-A	0.187	mg/L	0.200582	WCM	2025-08-02 00:05:43
16	U16	MB 410-6795032-A	-0.002	mg/L	-0.001019	WCM	2025-08-02 00:06:10
17	U17	410-234898-J-1-A	-0.002	mg/L	-0.001033	WCM	2025-08-02 00:08:37
18	U18	410-234898-J-1-D MS	0.170	mg/L	0.181886	WCM	2025-08-02 00:09:04
19	U19	410-234898-J-1-E MSD	0.198	mg/L	0.212684	WCM	2025-08-02 00:09:31
20	U20	630-116539-A-1-D	-0.001	mg/L	-0.000568	WCM	2025-08-02 00:09:58
	CCV	CCV	0.207	mg/L	0.222364	WCM	2025-08-02 00:10:25
	CCB	CCB	-0.001	mg/L	-0.000470	WCM	2025-08-02 00:12:53
21	U21	630-116747-A-1-B	-0.002	mg/L	-0.001235	WCM	2025-08-02 00:13:20
22	U22	630-116751-O-1-B	0.031	mg/L	0.034103	WCM	2025-08-02 00:13:47
23	U23	630-116773-B-1-B	-0.001	mg/L	-0.000773	WCM	2025-08-02 00:14:14
24	U24	630-116876-B-2-B	-0.001	mg/L	-0.000508	WCM	2025-08-02 00:14:41
25	U25	630-116900-I-1-B	0.002	mg/L	0.002416	WCM	2025-08-02 00:17:08
26	U26	580-152726-P-13-A	-0.001	mg/L	-0.000502	WCM	2025-08-02 00:17:35
27	U27	580-152726-P-17-A	-0.000	mg/L	0.000398	WCM	2025-08-02 00:18:02
28	U28	630-116739-A-2-B	-0.001	mg/L	-0.000625	WCM	2025-08-02 00:18:29
29	U29	410-234898-H-2-A	-0.001	mg/L	-0.000847	WCM	2025-08-02 00:18:56
30	U30	410-234898-H-2-D MS	0.201	mg/L	0.215308	WCM	2025-08-02 00:21:23
	CCV	CCV	0.209	mg/L	0.224226	WCM	2025-08-02 00:21:50
	CCB	CCB	-0.002	mg/L	-0.001022	WCM	2025-08-02 00:22:17
31	U31	410-234898-H-2-E MSD	0.199	mg/L	0.213213	WCM	2025-08-02 00:22:45
32	U32	410-234898-J-3-A	-0.002	mg/L	-0.000933	WCM	2025-08-02 00:23:12
33	U33	410-234898-H-5-A	-0.001	mg/L	-0.000060	WCM	2025-08-02 00:25:39
34	U34	410-234898-H-6-A	-0.001	mg/L	-0.000871	WCM	2025-08-02 00:26:06
35	U35	580-152712-P-9-A	-0.001	mg/L	-0.000850	WCM	2025-08-02 00:26:33
36	U36	580-152726-P-15-A	-0.001	mg/L	-0.000760	WCM	2025-08-02 00:27:00
37	U37	580-152639-E-5-A	-0.001	mg/L	-0.000196	WCM	2025-08-02 00:27:27
38	U38	580-152639-H-1-A	-0.002	mg/L	-0.001003	WCM	2025-08-02 00:29:54
39	U39	580-152639-G-3-A	0.003	mg/L	0.004432	WCM	2025-08-02 00:30:21
40	U40	580-152639-F-7-A	0.012	mg/L	0.013164	WCM	2025-08-02 00:30:48
	CCV	CCV	0.211	mg/L	0.226521	WCM	2025-08-02 00:31:15
	CCB	CCB	-0.002	mg/L	-0.000931	WCM	2025-08-02 00:31:43
41	U41	LCS 410-6793261-A	0.193	mg/L	0.207153	WCM	2025-08-02 00:34:11
42	U42	MB 410-6793262-A	-0.001	mg/L	-0.000742	WCM	2025-08-02 00:34:38
43	U43	580-152597-G-3-C	-0.001	mg/L	-0.000713	WCM	2025-08-02 00:35:05
44	U44	580-152597-G-3-F MS	0.155	mg/L	0.166076	WCM	2025-08-02 00:35:32
45	U45	580-152597-G-3-G MSD	0.188	mg/L	0.201335	WCM	2025-08-02 00:35:58
46	U46	580-152597-H-5-B	0.001	mg/L	0.001390	WCM	2025-08-02 00:38:25
47	U47	580-152597-H-6-B	-0.001	mg/L	-0.000516	WCM	2025-08-02 00:38:52
48	U48	580-152597-H-7-B	0.001	mg/L	0.001591	WCM	2025-08-02 00:39:19
49	U49	580-152597-H-8-B	-0.001	mg/L	-0.000679	WCM	2025-08-02 00:39:46
50	U50	580-152597-H-9-B	0.000	mg/L	0.000695	WCM	2025-08-02 00:40:13
	CCV	CCV	0.216	mg/L	0.231534	WCM	2025-08-02 00:42:40
	CCB	CCB	-0.001	mg/L	-0.000585	WCM	2025-08-02 00:43:08
51	U51	580-152597-H-10-B	-0.001	mg/L	-0.000551	WCM	2025-08-02 00:43:36
52	U52	580-152597-H-11-B	-0.002	mg/L	-0.001045	WCM	2025-08-02 00:44:03
53	U53	580-152597-G-12-B	-0.001	mg/L	-0.000793	WCM	2025-08-02 00:44:30
54	U54	580-152597-G-13-B	-0.000	mg/L	0.000373	WCM	2025-08-02 00:46:57

55	U55	410-235096-B-7-A	0.000	mg/L	0.000884		WCM	2025-08-02 00:47:24
56	U56	410-235096-B-7-D MS	0.173	mg/L	0.185913		WCM	2025-08-02 00:47:51
57	U57	410-235096-B-7-E MSD	0.185	mg/L	0.198444		WCM	2025-08-02 00:48:18
58	U58	410-235096-B-14-A	0.001	mg/L	0.001333		WCM	2025-08-02 00:48:45
59	U59	580-152731-E-11-A	-0.001	mg/L	-0.000499		WCM	2025-08-02 00:51:12
60	U60	580-152731-G-12-A	-0.001	mg/L	-0.000288		WCM	2025-08-02 00:51:39
	CCV	CCV	0.214	mg/L	0.229601		WCM	2025-08-02 00:52:06
	CCB	CCB	-0.001	mg/L	-0.000891		WCM	2025-08-02 00:52:34
61	U61	580-152731-G-13-A	-0.001	mg/L	0.000126		WCM	2025-08-02 00:53:03
62	U62	580-152731-E-14-A	-0.001	mg/L	-0.000238		WCM	2025-08-02 00:55:30
63	U63	580-152731-G-15-A	-0.001	mg/L	-0.000679		WCM	2025-08-02 00:55:57
64	U64	580-152731-H-16-A	-0.001	mg/L	-0.000486		WCM	2025-08-02 00:56:24
65	U65	580-152731-H-17-A	-0.000	mg/L	0.000244		WCM	2025-08-02 00:56:51
66	U66	580-152731-G-18-A	-0.001	mg/L	-0.000537		WCM	2025-08-02 00:57:17
67	U67	MB 410-6790861-A	-0.000	mg/L	0.000315		WCM	2025-08-02 00:59:44
68	U68	reactflsk	32.796	mg/L	0.281153	x125.000	WCM	2025-08-02 01:00:11
69	U69	LCS 410-67908625-A	1.417	mg/L	0.758127	x 2.000	WCM	2025-08-02 01:00:38
70	U70	410-233646-A-1-C	-0.001	mg/L	-0.000203		WCM	2025-08-02 01:01:06
	CCV	CCV	0.214	mg/L	0.229495		WCM	2025-08-02 01:01:33
	CCB	CCB	-0.001	mg/L	-0.000762		WCM	2025-08-02 01:04:01
71	U71	410-233646-A-1-F MS	1.065	mg/L	1.139507		WCM	2025-08-02 01:04:30
72	U72	410-233646-A-1-G MSD	0.803	mg/L	0.858919		WCM	2025-08-02 01:04:57
73	U73	410-233941-A-1-D	-0.001	mg/L	-0.000124		WCM	2025-08-02 01:05:24
74	U74	410-233941-A-2-D	-0.001	mg/L	-0.000681		WCM	2025-08-02 01:05:50
75	U75	180-193659-A-1-F	-0.002	mg/L	-0.000976		WCM	2025-08-02 01:08:17
76	U76	180-193678-D-1-A	-0.001	mg/L	-0.000605		WCM	2025-08-02 01:08:44
77	U77	180-193678-E-2-A	-0.001	mg/L	-0.000708		WCM	2025-08-02 01:09:11
78	U78	180-193678-D-3-A	-0.001	mg/L	-0.000846		WCM	2025-08-02 01:09:38
79	U79	180-193678-D-4-A	-0.001	mg/L	-0.000746		WCM	2025-08-02 01:10:05
80	U80	180-193678-D-5-A	-0.001	mg/L	-0.000693		WCM	2025-08-02 01:12:32
	CCV	CCV	0.209	mg/L	0.223686		WCM	2025-08-02 01:12:59
	CCB	CCB	-0.002	mg/L	-0.001178		WCM	2025-08-02 01:13:28
81	U81	180-193678-D-6-A	-0.002	mg/L	-0.001140		WCM	2025-08-02 01:13:57
82	U82	180-193678-D-7-A	-0.001	mg/L	-0.000676		WCM	2025-08-02 01:14:24
83	U83	180-193678-D-8-A	-0.001	mg/L	-0.000645		WCM	2025-08-02 01:16:50
84	U84	180-193678-D-9-A	-0.002	mg/L	-0.001171		WCM	2025-08-02 01:17:16
85	U85	180-193678-D-10-A	-0.000	mg/L	0.000445		WCM	2025-08-02 01:17:43
86	U86	180-193678-D-11-A	-0.001	mg/L	-0.000896		WCM	2025-08-02 01:18:09
87	U87	180-193678-D-12-A	-0.001	mg/L	0.000134		WCM	2025-08-02 01:18:35
88	U88	410-233581-G-5-B	-0.001	mg/L	-0.000792		WCM	2025-08-02 01:21:02
89	U89	410-232867-B-10-F	-0.001	mg/L	-0.000888		WCM	2025-08-02 01:21:28
90	U90	410-234182-B-1-A	-0.001	mg/L	-0.000518		WCM	2025-08-02 01:21:54
	CCV	CCV	0.210	mg/L	0.225604		WCM	2025-08-02 01:22:21
	CCB	CCB	-0.001	mg/L	-0.000856		WCM	2025-08-02 01:22:49
	CCV	CCV	0.210	mg/L	0.225090		WCM	2025-08-02 01:35:23
	CCB	CCB	-0.001	mg/L	-0.000506		WCM	2025-08-02 01:35:51
69	U69	LCS 410-67908625-A	1.376	mg/L	0.371228	x 3.968	WCM	2025-08-02 01:36:20
71	U71	410-233646-A-1-F MS	1.115	mg/L	0.596600	x 2.000	WCM	2025-08-02 01:36:46
72	U72	410-233646-A-1-G MSD	0.829	mg/L	0.443558	x 2.000	WCM	2025-08-02 01:39:12
	CCV	CCV	0.212	mg/L	0.227056		WCM	2025-08-02 01:39:38
	CCB	CCB	-0.001	mg/L	-0.000834		WCM	2025-08-02 01:40:07
	CCV	CCV	0.212	mg/L	0.226869		WCM	2025-08-02 01:52:40
	CCB	CCB	-0.001	mg/L	-0.000800		WCM	2025-08-02 01:53:09
71	U71	410-233646-A-1-F MS	1.112	mg/L	0.300279	x 3.968	WCM	2025-08-02 01:53:37
	CCV	CCV	0.214	mg/L	0.229327		WCM	2025-08-02 01:54:04
	CCB	CCB	-0.002	mg/L	-0.000988		WCM	2025-08-02 01:56:32

AQ700 Tray report

Software version :	2.5.01A33
Report Requested By :	Manager
Time and Date :	2025-08-06 07:45:55
Tray Number :	2
Tray Name :	25217CCN

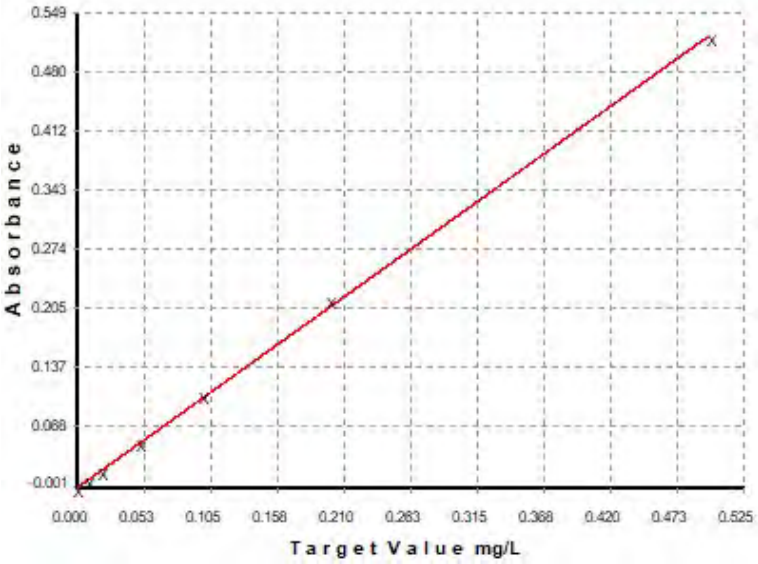
CN EPA130

Calibration Chart

Type	Absorbance	Calc mg/L	Target mg/L	% Error
S95	0.5228	0.497	0.500	-0.67
S94	0.2197	0.208	0.200	3.79
S93	0.1091	0.102	0.100	2.12
S92	0.0541	0.050	0.050	-0.62
S91	0.0215	0.019	0.020	-7.42
S90	0.0106	0.008	0.010	-18.18
S1	-0.0008	-0.003	0.000	
*89	0.5273	0.501	0.500	0.19
S0	-0.0007	-0.003	0.000	

Polynomial order :	1
Correlation Coefficient :	0.9998
RSE (%) :	10.06
Carryover(%) :	0.0
Calibration equation:	y = bx + a
y =:	Concentration mg/L
x =:	Measured absorbance
a =:	-1.952733E-03
b =:	9.537453E-01
Date & Time :	2025-08-05 23:32:59

Calibration Graph



Reagents

Reagent name	Batch number	Operator	Expiry date
CN Buffer			
CN Chloramine-T			
CN Pyridine			

Test Results

Cup Type	ID	Details	Result	Units	QC	Pro	Auto Dil.	Man Dil.	User	Time & Date	Raw Data
S95	Standard 95		0.523							2025-08-05 23:27:24	0.522809
S94	Standard 94		0.220							2025-08-05 23:27:51	0.219687
S93	Standard 93		0.109							2025-08-05 23:28:18	0.109118
S92	Standard 92		0.054							2025-08-05 23:28:45	0.054146

	S91	Standard 91	0.021				2025-08-05 23:31:11	0.021462
	S90	Standard 90	0.011				2025-08-05 23:31:38	0.010626
	S1	Standard 1	-0.001			WCM	2025-08-05 23:32:05	-0.000838
	S89		0.527			WCM	2025-08-05 23:32:32	0.527281
	S0	Standard 0	-0.001			WCM	2025-08-05 23:32:59	-0.000674
	ICV	ICV	0.215	mg/L		WCM	2025-08-05 23:35:26	0.227658
	ICB	ICB	-0.002	mg/L		WCM	2025-08-05 23:35:53	-0.000475
1	U1	LCS 410-6809151-A	0.181	mg/L		WCM	2025-08-05 23:36:20	0.192342
2	U2	MB 410-6809152-A	-0.002	mg/L		WCM	2025-08-05 23:36:47	-0.000358
3	U3	410-234898-H-4-A	-0.002	mg/L		WCM	2025-08-05 23:37:14	0.000141
4	U4	410-234898-H-4-B MS	0.141	mg/L		WCM	2025-08-05 23:39:41	0.149581
5	U5	410-234898-H-4-C MSD	0.140	mg/L		WCM	2025-08-05 23:40:08	0.148936
6	U6	620-28037-J-1-F	-0.002	mg/L		WCM	2025-08-05 23:40:35	-0.000339
7	U7	620-28037-J-2-B	0.013	mg/L		WCM	2025-08-05 23:41:02	0.015412
8	U8	620-28037-J-3-B	-0.002	mg/L		WCM	2025-08-05 23:41:28	-0.000243
9	U9	620-28037-J-4-B	-0.003	mg/L		WCM	2025-08-05 23:43:55	-0.000801
10	U10	620-28037-J-5-B	-0.002	mg/L		WCM	2025-08-05 23:44:22	0.000014
	CCV	CCV	0.212	mg/L		WCM	2025-08-05 23:44:49	0.224169
	CCB	CCB	-0.003	mg/L		WCM	2025-08-05 23:45:16	-0.000599
11	U11	620-28037-J-6-B	0.004	mg/L		WCM	2025-08-05 23:45:44	0.006532
12	U12	620-28037-J-7-B	-0.001	mg/L		WCM	2025-08-05 23:48:11	0.001483
13	U13	620-28037-J-8-B	-0.002	mg/L		WCM	2025-08-05 23:48:38	0.000096
14	U14	620-28037-J-9-B	-0.002	mg/L		WCM	2025-08-05 23:49:05	0.000105
15	U15	620-28037-J-10-B	0.000	mg/L		WCM	2025-08-05 23:49:32	0.002162
16	U16	620-28037-J-10-E MS	0.200	mg/L		WCM	2025-08-05 23:49:58	0.211293
17	U17	620-28037-J-10-F MSD	0.194	mg/L		WCM	2025-08-05 23:52:25	0.205078
18	U18	620-28037-S-11-B	0.001	mg/L		WCM	2025-08-05 23:52:52	0.002757
19	U19	620-28037-J-14-B	-0.002	mg/L		WCM	2025-08-05 23:53:19	-0.000434
20	U20	630-116475-H-2-C	-0.002	mg/L		WCM	2025-08-05 23:53:46	0.000144
	CCV	CCV	0.210	mg/L		WCM	2025-08-05 23:54:13	0.222246
	CCB	CCB	-0.003	mg/L		WCM	2025-08-05 23:56:41	-0.000675
21	U21	410-234856-D-2-B	-0.002	mg/L		WCM	2025-08-05 23:57:08	0.000453
22	U22	410-234708-A-5-B	0.079	mg/L		WCM	2025-08-05 23:57:35	0.085315
23	U23	630-117015-B-1-B	-0.001	mg/L		WCM	2025-08-05 23:58:02	0.000701
24	U24	630-116953-J-2-B	0.004	mg/L		WCM	2025-08-05 23:58:29	0.006404
25	U25	630-116884-A-1-F	-0.002	mg/L		WCM	2025-08-06 00:00:56	-0.000444
26	U26	410-234901-A-5-A	0.002	mg/L		WCM	2025-08-06 00:01:23	0.004267
27	U27	LCS 410-6803161-A	0.202	mg/L		WCM	2025-08-06 00:01:49	0.214100
28	U28	MB 410-6803162-A	-0.003	mg/L		WCM	2025-08-06 00:02:16	-0.000666
29	U29	580-152725-G-1-A	-0.003ELL	mg/L		WCM	2025-08-06 00:02:43	-0.000918
30	U30	580-152725-G-1-B MS	0.189	mg/L		WCM	2025-08-06 00:05:10	0.200189
	CCV	CCV	0.207	mg/L		WCM	2025-08-06 00:05:37	0.218572
	CCB	CCB	-0.003	mg/L		WCM	2025-08-06 00:06:05	-0.000611
31	U31	580-152725-G-1-C MSD	0.195	mg/L		WCM	2025-08-06 00:06:33	0.206469
32	U32	580-152725-G-3-A	-0.003	mg/L		WCM	2025-08-06 00:06:59	-0.000677
33	U33	580-152725-G-7-A	-0.002	mg/L		WCM	2025-08-06 00:09:26	-0.000457
34	U34	580-152725-G-9-A	-0.003	mg/L		WCM	2025-08-06 00:09:53	-0.000710
35	U35	580-152725-G-11-A	-0.003	mg/L		WCM	2025-08-06 00:10:20	-0.000632
36	U36	580-152725-G-13-A	-0.002	mg/L		WCM	2025-08-06 00:10:47	-0.000073
37	U37	580-152725-G-15-A	0.002	mg/L		WCM	2025-08-06 00:11:14	0.003953
38	U38	580-152725-G-17-A	-0.002	mg/L		WCM	2025-08-06 00:13:41	-0.000210
39	U39	580-152726-G-1-A	-0.003ELL	mg/L		WCM	2025-08-06 00:14:08	-0.000910
40	U40	580-152722-E-9-B	0.006	mg/L		WCM	2025-08-06 00:14:35	0.008580
	CCV	CCV	0.207	mg/L		WCM	2025-08-06 00:15:02	0.219178
	CCB	CCB	-0.003	mg/L		WCM	2025-08-06 00:15:29	-0.000785
41	U41	410-234344-A-1-A	4.478	mg/L	x19.2308	WCM	2025-08-06 00:17:57	0.246175
42	U42	MB 410-6806881-A	-0.002	mg/L		WCM	2025-08-06 00:18:24	-0.000254
43	U43	reactflsk	38.776	mg/L	x125.0000	WCM	2025-08-06 00:18:51	0.327301
44	U44	LCS 410-6806882-A	0.430	mg/L	x2.0000	WCM	2025-08-06 00:19:18	0.227650
45	U45	460-328939-B-6-A	-0.003ELL	mg/L		WCM	2025-08-06 00:19:45	-0.001110
46	U46	620-28136-G-2-A	-0.003	mg/L		WCM	2025-08-06 00:22:12	-0.000690
47	U47	620-28136-G-2-B MS	0.310	mg/L		WCM	2025-08-06 00:22:39	0.327069
48	U48	620-28136-G-2-C MSD	0.421	mg/L		WCM	2025-08-06 00:23:06	0.443496
49	U49	180-193788-B-1-D	-0.001	mg/L		WCM	2025-08-06 00:23:33	0.000611
50	U50	180-193788-B-2-D	-0.003	mg/L		WCM	2025-08-06 00:24:00	-0.000829
	CCV	CCV	0.216	mg/L		WCM	2025-08-06 00:26:27	0.228242
	CCB	CCB	-0.003	mg/L		WCM	2025-08-06 00:26:55	-0.000767
51	U51	180-193788-B-3-D	-0.002	mg/L		WCM	2025-08-06 00:27:23	-0.000085

52	U52	180-193791-B-1-D	-0.003	mg/L	WCM	2025-08-06 00:27:50	-0.000791
53	U53	410-235097-D-1-A	-0.003	mg/L	WCM	2025-08-06 00:28:17	-0.000731
54	U54	410-234926-G-1-A	-0.003ELL	mg/L	WCM	2025-08-06 00:30:44	-0.001107
55	U55	180-193679-A-1-A	-0.003	mg/L	WCM	2025-08-06 00:31:11	-0.000834
56	U56	180-193701-C-1-A	-0.003	mg/L	WCM	2025-08-06 00:31:38	-0.000607
57	U57	180-193731-C-4-A	-0.002	mg/L	WCM	2025-08-06 00:32:05	-0.000265
58	U58	180-193731-C-6-A	-0.003	mg/L	WCM	2025-08-06 00:32:32	-0.000812
59	U59	180-193732-C-3-A	-0.002	mg/L	WCM	2025-08-06 00:34:59	0.000134
60	U60	620-28136-F-3-A	-0.002	mg/L	WCM	2025-08-06 00:35:25	-0.000498
	CCV	CCV	0.215	mg/L	WCM	2025-08-06 00:35:51	0.227375
	CCB	CCB	-0.003	mg/L	WCM	2025-08-06 00:36:19	-0.000771
61	U61	180-193726-E-1-A	-0.002	mg/L	WCM	2025-08-06 00:36:47	-0.000139
62	U62	180-193726-G-2-A	-0.003	mg/L	WCM	2025-08-06 00:39:13	-0.000647
63	U63	180-193731-C-5-A	-0.002	mg/L	WCM	2025-08-06 00:39:39	-0.000078
64	U64	180-193732-C-4-A	-0.003ELL	mg/L	WCM	2025-08-06 00:40:06	-0.000900
65	U65	410-233993-A-1-J	-0.002	mg/L	WCM	2025-08-06 00:40:32	-0.000274
	CCV	CCV	0.207	mg/L	WCM	2025-08-06 00:40:58	0.219235
	CCB	CCB	-0.003	mg/L	WCM	2025-08-06 00:43:26	-0.000741

Shipping and Receiving Documents

CHAIN OF CUSTODY RECORD

Laboratory: Eurofins Lancaster Laboratories Environmental (ELLE), 2425 New Holland Pike, Lancaster, PA, 17605-2425/ Barb Weyandt, Manager/ (717) 656-2300 x1576

Client: 0 Attn: 0 Address: 0 0 Phone: 0 Fax: 0 Fax: 0	Consultant: TRC Engineers Inc (formerly DAA) Attn: Janet C. Frazier Address: 2200 South Main Street Suite 1 Blacksburg, Virginia 24060 Phone: (540) 552-0444 Fax: (540) 552-0291	Sample Site: RFAAP, Radford, Virginia Location: HWMU16 Event: 3Q 2025 Annual GW Monitoring Event DAA JN: 667639 Phase 2 Lab JN:	Project Specific (PS) QC: YES as indicated Sample Collection for Project Complete? YES WBS: 12754-02X-Y0-7345-5687 Carrier: ↓ - ↓ - ↓ - ↓ - 7486-4475 Tracking Number:

Box 1: Matrix
SW Surface Water; GW Groundwater; L Leachate; S Soil; T Trip Blank; E Equipment Blank; P Product; O Other

Box 2: Preservative
A HCL; B HNO_3; C H_2SO_4; D $Na_2S_2O_3$; E NaOH; F ZnAc; G Other (Specify); H None

Box 3: Filtered/Unfiltered
F Filtered; U Unfiltered

Box 4: Sample Type
G Grab; C Composite

Box 5: Sample Container Type
P Plastic; AG Amber Glass; V VOA; CG Clear Glass

Invoice
Copy to Consultant: YES
Bill: CLIENT OTHER ____
Preserved and shipped on ice: YES

Box 4 - Sample Type	G	G	G	G	G	G	G
Box 3 - Filtered/Unfiltered	U	U	U	U	U	U	U
Required pH of Sample	<2	<2		<2	<2	<2	>12
Box 2 - Preservative	A	A	H	A	B	B	E
Box 5 - Sample Container Type	3-40mL VOA	3-40mL VOA	2-250mL AG	2-40mL VOA	1-500mL P 250		1-~~500~~ 250 mL P

Sample ID	Date: 2025	Time	Box 1: Matrix	Number of Bottles	8260D/5030C 25 ml purge volume		8260D/5030C 5 ml purge volume for 2-propanol ONLY	8270E/3510C (Semivolatiles)	Additional Aliquot 8260D/5030C 25 ml purge volume		ICP/MS 6020B/3005A (Metals-Total)	7470A (Mercury-Total)	9012B (Cyanide) 11/5/25	
16C1	7/30	1420	GW	12	X		X	X	X		X	X	X	Additional VOA Aliquot if dilution is required.
16MW8	7/29	1120	GW	10	X		X	X			X	X	X	
16MW9	7/30	1315	GW	12	X		X	X	X		X	X	X	Additional VOA aliquot if dilution is required.
16WC1A	7/30	1105	GW	30	X		X	X			X	X	X	USE FOR project specfic QC (MS/MSD)
16WDUP	7/30	0925	GW	10	X		X	X			X	X	X	
16WC1B	7/30	0945	GW	10	X		X	X			X	X	X	
16-2	7/29	1040	GW	6	X			X			X	X		
16-3	7/29	1235	GW	6	X			X			X	X		
16-5	7/29	0855	GW	6	X			X			X	X		
16WC2B	7/29	0955	GW	6	X			X			X	X		
16SPRING	7/29	0910	GW	6	X			X			X	X		
Trip Blank 1	7/29	—	T	2	X		X							one trip blank required per day per permit. Delete if not required.
Trip Blank 2	7/29	—	T	2	X		X							
Trip Blank 3			T	2	X		X							

GENERAL NOTES:
1. Report results to detection limit, with J flags, for italicized wells.
2. Report results at or greater than QL for non-italicized wells.
3. VELAP accreditation required.
4. FULL/Comprehensive Deliverable with EDD and ERIS EDD.
5. For 2- propanol report to QL 100 ug/l and DL of 50 ug/l.
6. See Atached target analytes. Report to these Permit Specified QLs and DLs.

upload to TRC portal : PO # 233729

TRC# 410042 72 - per Barb JWF 11.25

410-234898-01 Chain of Custody

Clients Special Instructions:

Received by lab in Good Condition ____ Yes ____ No Custody Seal Intact ____ Yes ____ No Temperature upon arrival ____ Received on Ice ____ Yes ____ No
Describe problems, if any:

Sampler Name (Print): Ken Coddington	Date: 7/29/25	#1 Relinquished by (Signature):	Date: 7/30/25	#2 Relinquished by (Signature):	Date:	Sample Storage
Sampler Signature:	Time: 0700	Company Name: TRC	Time: 1700	Company Name:	Time:	Time Requested:
Sampler Name (Print): Alexa Prater	Date: 7/29/25	#1 Received by (Signature):	Date:	#2 Received by (Signature): Nathan Santoyo	Date: 7/31/25	30 DYS ORG/6 MTHS INORG
Sampler Signature: Alexa Prater	Time: 0700	Company Name:	Time:	Company Name: TRC	Time: 9:20	

NS

TRC PO # 13454 – JWF 6.26.25

K: 3.6 3.5 2: 3.6 3.5 JCF Page 1/18 6-26-25

Login Sample Receipt Checklist

Client: TRC, Engineers, Inc. Job Number: 410-234898-1

Login Number: 234898 **List Source: Eurofins Lancaster Laboratories Environment Testing, LLC**
List Number: 1
Creator: Santiago, Nathaniel

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

Sample Preservation Checks (performed by the laboratory)

Question	Answer	Comment
Did the sample containers checked meet expected preservation conditions?	False	Refer to Job Narrative for details.

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.